



- **Duralite® Pistons**
- **Duratech® Pistons**
- **PROSEAL® Rings**

ACL Piston Products Catalogue PP99

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Automotive Components Limited

A.C.N. 006 542 785

WARRANTY

36 MONTHS OR 100,000 KM

ACL warrants that all products manufactured by it which, within **36 months** of sale, or **100,000 kilometres** of use whichever shall occur first, are found upon examination by its representative to be defective in materials or workmanship and not from a cause beyond the control of ACL including, but not limited to, misuse, improper installation or operation, or lack of maintenance, will be replaced by **ACL free of charge** following delivery of such product to the seller.

This warranty is in addition and subject to the conditions and warranties prescribed by statute ("prescribed terms").

Subject to prescribed terms, ACL's obligation for liability for breach of prescribed terms is limited at its option to replacement of the goods or supply of equivalent goods, repair of the goods, payment of the cost of replacing the goods or acquiring equivalent goods or payment of the cost of having the goods repaired.

The above warranty supersedes and excludes all prior and other discussions, representations and arrangements relating to the supply of products including without limitation the suitability or performance of the products or the results expected from using the products.

Subject to prescribed terms and the warranty set out above, ACL shall not be liable for any loss, damage or injury of any kind whatsoever (including, without limitation, loss, damage or injury caused by the default or negligence of ACL or its servants or agents and incidental and consequential loss, damage or injury) in any manner wholly or partly arising from or in connection with any order or relating to the supply of or otherwise concerning any products including, without limitation to the foregoing, any defect in material design or workmanship of or any other defect whatsoever.

PERFORMANCE WARRANTY: ACL Performance and RACE brand piston assemblies

ACL Performance range and "RACE" brand piston assemblies with "9000" series part numbers are designed to enable specialist engine builders to obtain moderate increases in compression ratio and engine speeds for otherwise standard engines. These pistons are not designed for use in forced induction (ie. supercharged or turbocharged) engines or for use with fuels other than leaded or unleaded pump petrol and 100 octane aviation gasoline. ACL does not provide any implied or express warranty on products used in engines over whose design it has no knowledge or control and users must accept responsibility for use in non standard applications including any use in engines used in competition or where exhaust emissions regulations apply. ACL reserves the right to make product changes without notice and without incurring any liability for similar products previously manufactured.

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ACL Duratech® Pistons

ACL Duratech® pistons are designed to provide enhanced performance characteristics compared to the OEM pistons they replace. These pistons are all solid skirt design which provides up to 30% greater strength than pistons which have a sawn or cast oil return slot in or below the oil ring groove. Oil drain back is via cast slots below the oil ring.

High silicon material: ACL Duratech® pistons are made from a high silicon aluminium alloy which is the same as used in most high performance original equipment pistons around the world. This alloy combines excellent scuff and wear properties with maximum strength and minimum expansion.

Benefits

- Stronger than the original equipment pistons they replace.
- Lighter than the original equipment pistons they replace hence less mechanical losses and maximum power and less vibration.
- Highly wear and scuff resistant in extreme situations due to high silicon alloy.
- Able to operate quietly and reliably at low clearance due to low expansion coefficient of the high silicon material and also due to sophisticated computer generated 3 dimensional diamond turned skirt profiles.

ACL Performance Pistons & Rings ("9000" series part numbers)

ACL Performance and RACE brand piston assemblies are available for a number of popular engines. These are made from high silicon aluminium alloy and are heat treated to T5+T6 solution treatment specification. They are of solid skirt design and therefore much stronger than the standard pistons they replace. They are also considerably lighter and in addition have tapered alloy steel pins for further weight reduction.

Other special features include a pressure balancing groove in-between the top and second compression ring grooves, higher compression ratio (in most cases), solid pin boss design, and diamond turned skirt shape featuring compound ovality and vertical profiles. These enable the pistons to operate at much lower clearance than most forgings.

ACL Performance pistons are NOT intended to replace forged pistons in applications where output is greater than 100 BHP/litre or in turbocharged and supercharged engines. However they are ideal for engine builders wishing to obtain moderate increases in power and speed from otherwise standard engines for street or off road use.

Special rings are specified for most of these pistons and have molybdenum inlaid high strength SG iron top rings and low friction oil rings. In most cases the rings are unique to these pistons and are supplied as part of the piston assembly. File back top rings are available for most applications for specialist engine builders.

Pistons and rings with 9000 series part numbers in this catalogue (except 9079, 9080, 9094 and 9104) are for performance applications. (*See illustrations in application listing of catalogue*).

Benefits

- Less weight: reduces loads and friction and enables higher *RPM*, more power.
- Less vibration (V8 crankshafts will need to be balanced to suit).
- Extremely robust design: Allows higher compression and higher speeds.
- Quiet operation due to ability to run low clearance. Also less bore loading.
- Optimum ring sealing at high *RPM* due to pressure balancing groove feature.
- Reduced blowby especially with optional file back rings.

How to use this catalogue

Vehicle Model/Engine Index

Please refer to this index in the first instance. This index can be used if the vehicle make and engine type are known. This index is sorted alpha-numerically by manufacturer, model and engine type.

- Step 1** Turn to the index located at the front of this catalogue located on **Page xv** and select vehicle make.
- Step 2** Scan down to appropriate engine type.
- Step 3** Verify cubic capacity, year of manufacture, and model against the catalogue listing.
- Step 4** Turn to appropriate page and column in the body of the catalogue to locate full product listings.
- Step 5** Locate your desired product. Pay particular attention to select the appropriate part number and size and check the notes where applicable.

OR

Turn straight to the body of the catalogue.

This Piston Products catalogue is sorted alpha-numerically by engine type eg. Mazda B3 appears before Mazda B6. Please note that where an engine is foreign Japanese, it appears at the front of each vehicle manufacturer's section eg. in the Daihatsu section Toyota engines appear first.

- Step 1** Select vehicle manufacturer from within the body of the catalogue.
- Step 2** Select engine type and year of manufacture. Remember foreign Japanese engines appear first and are followed by the manufacturer's own engines listed alpha-numerically.
- Step 3** Verify cubic capacity, year of manufacture, and model against the catalogue listing.
- Step 4** Locate your desired product. Pay particular attention to select the appropriate part number and oversize. Also check any notes where applicable.

Exception

The exception to the above sequencing appears in **Ford** and **Holden**. In these sections Japanese engines again appear first, sorted alpha-numerically. Ford and Holden engines are then sequenced by a combination of increasing capacity and timing of model introduction ie. not alpha-numerically as noted above. If you have difficulty in locating an engine please refer to index.

Product, Prefixes and Suffixes

Pistons:

- _KRY** Prefix for piston kit which includes pin and rings. Number prefix () indicates number of cylinders, top compression rings are plain.
- _MKRY** As for KRY except the kit contains premium (coated) top compression rings (chrome/molybdenum)

Piston Pins:

- R** Prefix for gudgeon pins.

Piston Rings:

- M** Prefix for ring set which contains molybdenum coated top compression ring.
- C** Prefix for ring set which contains chromium plated top compression ring.
- PS** Prefix for ring set which contains plain (uncoated) top compression ring.
- N** Prefix for plain ring set designed for special applications.

Piston / Ring Set Sizing:

Sizes are in either imperial or metric units and are provided beneath the part number in the body of the catalogue.

Imperial rings are: STD/020/030/040/060/080

Metric rings are: STD/0.50/0.75/1.00/1.50

Sleeve & Sleeve Assemblies:

Plain dry sleeves are identified by a four digit part number equivalent to the bore size in decimal inches if a decimal point is imagined after the first figure e.g. 3937 = 3.937" = 100mm. The suffix letters A B C indicate the wall thickness.

A = 1/16", B = 3/32", C = 1/8".

- FSX.Y.Z** Prefix for as cast dry flanged sleeve
- PSP.Y.Z** Prefix for special application plain dry sleeve
- RSA** Prefix for sleeve assembly
- WSX.Y.Z** Wet type sleeve.
- SF** Suffix for Semi Finished sleeve

Miscellaneous :

- NL** Indicates item not listed.
- NSS** Indicates not serviced separately.

Technical Data Sizing:

Measurement units will be consistent with part number sizing.

Piston Information

Piston clearances are stamped on the top of pistons in either metric or imperial units as below:

METRIC CLEARANCE HAS AN 'O' STAMPED BEFORE THE DECIMAL POINT

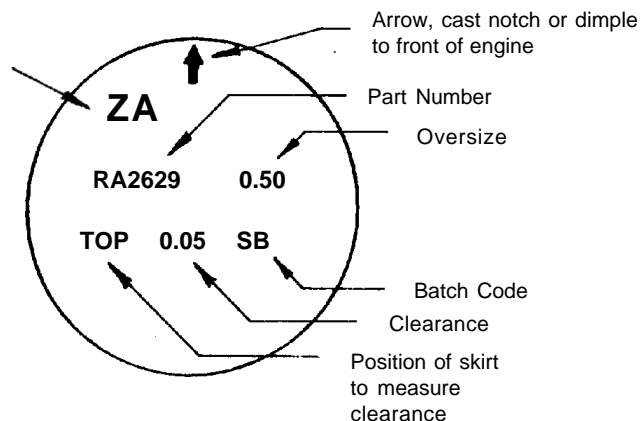
0.04

IMPERIAL CLEARANCE HAS NO 'O' STAMPED BEFORE THE DECIMAL POINT

.0015

2 large ink stamped letters are ACL inspector's initials (Black letters denote single grade piston, Red letters denote four colour grades).

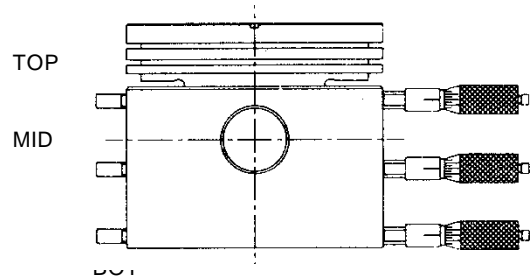
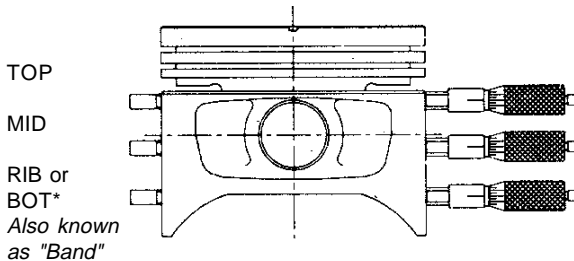
EXPLANATION OF PISTON STAMPING DETAILS



Piston Information (Cont)

NOTE

- There will also be the word 'TOP', 'BOT', 'MID' or 'RIB' stamped before the clearance. This shows where on the skirt the clearance is to be measured.



- Clearances stamped are recommended **minimum**, and assume engine cooling system, including block waterways etc. is in as-new condition, and ignition and fuel settings are standard. Extra clearance must be given to engines not in this condition or if other features are standard.

Skirt Grades (single grade system)

Most ACL pistons are produced within a total skirt grade spread of 0.001"(0.025mm).

In such cases the crown is identified with two large black ink stamped letters (the initials of the inspector).

Skirt Grades (four grade system)

Some ACL brand pistons are made in four imperial grades within each oversize. Each grade is 0.0005" so total spread can be 0.002".

Pistons made in grades are colour coded below the pin boss and any inspector's stamp letters are red.

Yellow Largest
 Green
 Red
 Blue Smallest

↓

Yellow	3.624
	3.6235
Green	3.6235
	3.6230
Red	3.6230
	3.6225
Blue	3.6225
	3.6220

To find the skirt size for a colour coded piston.

- Select nominal bore size from appropriate page in this catalogue.
- Subtract from this clearance stamped on the crown of the piston.
 ie Bore size = 3.625" Clearance = 0.002"

Thus $3.625 - 0.002 = 3.623$ (skirt size)

The table at right shows the skirt sizes for the different grades on a piston with 0.002" clearance and a nominal bore of 3.625".

So for this example, a red grade piston is top tolerance is correct, or a green grade at bottom tolerance would give the correct clearance.

For oversize, just add the amount of oversize to every dimension. **NOTE** that it is good practise to check every piston and every bore.

Piston Pin Fitting - Press Fit Applications

Correct assembly of pins into rods is essential in order to avoid seizure on start up or soon afterwards. If fitting hot it is essential to avoid overheating the rod eye. A proprietary heating machine should be used if at all possible though success is possible with very careful heating with heating torches (not a welding torch!), but in this case overheating, or just as bad, grossly uneven heating by having the flame too close to the rod eye, will lead to eye distortion and uneven clamping. Heat crayons should be used to verify that the temperature is in the range 250 to 280 degrees C. This provides plenty of expansion to allow the pin to enter the rod without force, the normal interference being 0.0008" (0.002mm) to 0.0018" (.0045mm). It is imperative when using the hot method to avoid excessive temperature because the heat flowing into the pin transfers to the pin bore and can locally melt the piston material and this causes seizure on start up.

Also DO NOT move the pin on the rod until the assembly has cooled down. If you do move the piston while it is hot the pin bore can easily be scuffed before the assembly is fitted to the bore.

If fitting cold the use of a wedge between the side of the rod and the inside boss face of the piston is helpful in making sure that the load caused by the pin being forced into the rod eye is evenly distributed. This is becoming more and more important for modern pistons which do not necessarily have parallel boss faces. (Often the lower half is tapered away in the interests of weight saving).

A suitable wedge may be made from steel sheet of appropriate thickness and even for the simplest of pistons will need to have a few degrees of taper because all pistons have some taper between the pin bosses to allow die withdrawal in manufacture.

The force required to push the pin into the rod eye cold is considerable and if the piston cocks over at the time the pin enters the second side broaching of the pin bore may well occur. Thus the use of the wedge will help considerably.

CAUTION!

Do not let the rod
hit the piston - it
may crack the skirt.

After assembly always check for freedom of movement. Hold the piston and see if the rod drops freely, **BUT MAKE SURE YOU DO NOT ALLOW THE ROD TO FALL AGAINST THE INSIDE OF THE PISTON SKIRT.** This could break or crack the piston!

All of the above procedures are useless if the connecting rod eyes were oversize or distorted in the first case. It is always wise to verify the size of any rod which appears to have been overheated in previous use or which has signs that the previous pin has not been evenly clamped. Rods which are in doubt must be discarded.

Finally the lubrication of the pin bosses is essential prior to assembly to the block. A heavy molybond oil or molybond grease is ideal as it will remain in place until the engine is started.

Priming the lubrication system is also important, not only to prevent pin lock-up but in ensuring that the rest of the engine does not run dry while the oil pump picks up oil and distributes it around the galleries.

Of all the places in an engine the pin bosses are the last to get any decent lubrication after an engine is first started because they are dependent on splash from the connecting rod bearings. The amount of splash in a cold engine is much less than when it is hot due to the viscosity of the oil being at its greatest.

Piston Ring Information

About ACL's Piston Rings

ACL has been producing and selling piston rings for over 60 years. Almost all new cars made in Australia since the birth of the motor car industry have been fitted with ACL rings from new.

ACL rings made for the re-ringing of older engines, whether bored and honed or just fitted with a new set, are designed to:

1. Be easy to fit;
2. To bed in quickly;
3. To seal against blowby and oil consumption;
4. To provide long life.

Technical Detail

There are two basic types, **Premium and Proseal**.

Premium sets follow more closely to the original equipment and always have a coated top ring, either molybdenum or chromium plated. The top ring materials are usually high strength martensitic spheroidal graphite material where this was the OE material and the oil rings are the ACL tapered end T790 (which is an OE style ring) or ACL's Duraflex™ vertical hump type.

The coated top rings are all barrel lapped for quick bedding in.

The second rings in the Premium AND the Proseal are ACL's unique reverse torsional twist taper face scraper which has the torsioning bevel on the outer upper edge.

Proseal ring sets are available for many applications and these are designed for the more budget conscious and they have uncoated top rings. These sets are especially suitable for re-ring applications when the bores have not been honed.

The top rings are asymmetric barrel turned and they are made from regular grey iron. The asymmetric barrel is designed for rapid bed in.

The second rings are the same as those in the Premium sets, i.e.. reverse torsional twist taper face scraper.

Oil ring wall pressures are generally higher than for OE sets in order to improve oil scraping ability.

More detail on the individual ring types and their attributes is given on the following pages.

Caution When fitting any ring set, regardless of manufacturer of the rings or the piston, always make sure the rings have back clearance, sufficient gap and they are fitted the right way up. Also make sure the grooves of the piston are not worn. Always read the fitting instructions. Ring manufacturers such as ACL make every endeavour to ensure that the rings provided for any application are correctly specified but it remains the engine assembler's responsibility to ensure that the rings fit the grooves correctly. This is especially so when mixing brands such as when rings from one manufacturer are to be fitted to an original or other brand piston. There can often be changes in groove depth between models or even as running changes and this can result in engine failure if there is insufficient ring back clearance.

ACL Compression Ring Types

Barrel Lapped Molybdenum Inlaid in '*Premium*' Ring Sets

Barrelled profile beds in quickly. Molybdenum is highly wear and scuff resistant. Used as top ring in Premium sets designated with an "M". If dimpled or stamped, assemble with these upwards.

Asymmetric Barrel Face as found in '*PROSEAL*' Sets

Asymmetric barrel beds in quickly and controls oil effectively. Used in Proseal sets as top ring. Used in some diesel sets as second or third ring. Fit with dimple or letters upwards.

Barrel Lapped Chromium in '*Premium*' Ring Sets

Chromium layer is very wear resistant. Barrel profile beds in quickly. Used as top ring in Premium sets designated with "C". Fit with dimple or letters upwards.

Reverse Torsional Twist Taper Faced Scraper

Step on upper outer edge causes ring to twist downwards when installed. This gives sealing against upward oil movement at the outer edge of the lower groove face. Very effective in high vacuum condition, i.e. part load. Taper on outside is sufficient to ensure bottom edge contact at all times. *Lower scraper is very small* compared to upper bevel and further adds to oil scraping ability. The upper bevel also increases inter-ring volume and reduces tendency for top ring flutter (lifting). Used as second ring in most Premium and Proseal sets. Fit with dimple or letters upwards.

Less Common ACL Compression Ring Types

Taper Face

Taper Face compression ring provides downwards scraping for oil control. Used as top and/or second ring in some sets. Fit with dimple or letters upwards.

Plain Torsional Twist

Bevel or step on upper inner edge causes ring to twist upwards when installed. The ring is downward scraping in the non compression strokes. Otherwise it is flat against the groove face. Used as top or second ring in some sets. These rings do not have a dimple or stamp on the top face. Fit with the bevel upwards.

ACL Compression Ring Types

Diesel Types

Trapezoidal

Tapered top face prevents ring sticking in diesels and two strokes. Used as a top ring - usually chromium plated. Fit with dimple or letters upwards.

Upper side tapered

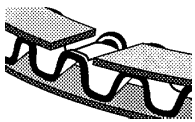
Keystone

The upper and lower faces are tapered to resist sticking in the groove. Used in diesel engines. Note that the angles may differ from top to bottom. These rings will have a dimple to designate top. Fit with the dimple or letters upwards. Usually Chromium plated.

Both sides are tapered

Keystone and trapezoidal rings are sometimes used in engines with chromium plated bores. Always check that any *chromium plated ring does not go into a chromium plated bore*. Note also that tapered side rings will appear to have too much side clearance when fitted to the groove. The correct position to check for side clearance is when the ring outer face is flush with the land. In this position the ring must still have side clearance. **Note:** Some tapered side rings have a bevel on the outer edge to neutralise any twisting which might otherwise cause high blowby. These rings will still have the dimple or letters to designate top.

ACL Oil Ring Types

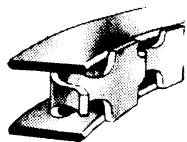


Duraflex™

- Cannot overlap;
- Conformable rails;
- Profile lapped chromium plated rails.

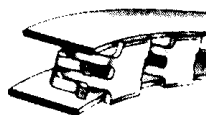


T790 tapered end abutment for ease of assembly. Chromium plated rails.



ACL RS70

Has:
1 ACL RS70 "Hourglass" hump type stainless steel circumferential expander.
2 Chromium plated rails.



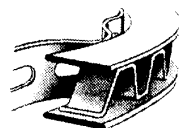
SS50

Has:
1 Vented hump type stainless steel circumferential expander.
2 Chromium plated rails.



Coil Spring Expander

backed cast iron oil (also chromium plated type available). Conformable and with coil spring expander for increased wall pressure.



Unitized Oil

Has:
2 Chromium plated steel rails;
1 Spacer for rails;
1 Sine wave expander.
This type fitted to older vehicles and depends upon known groove depth.

Cylinder Boring and Honing

Whether honing follows boring, or is done to clean up an existing bore, the method of honing and finish achieved **ARE ABSOLUTELY CRITICAL** to the performance of the rings. Modern engines must have a finer finish or the bedding in of the rings will not be satisfactory and oil consumption will be excessive.

The following hints may be of help:

1. When boring to an oversize, it is essential to leave sufficient honing allowance to completely remove the boring marks. (Around 0.002" (0.05) allowance will be needed). Note that the honing allowance will be dependent on the speed and feed and nose radius of the boring tool. A coarser finish after boring will require more stock allowance, Eg. 100 CLA bored finish will require around 0.002" (0.05).
2. The desired finish of 15-25 micro inches CLA is obtained with hone stones of around 300-400 grit size depending upon the engine block type.
3. Naturally such a fine stone is for finishing only, as it would be unsuitable for stock removal of more than 0.0005" (0.012). A roughing stone of around 180 grit should be used to bring the bored cylinder to the bottom tolerance of the finished size, then use the finishing stone. An exception to this is if a diamond hone is used in a modern honing machine.
4. After honing to the bottom tolerance of finished size, use the finer stones for a few strokes, with moderate pressure. Never put too much pressure on finishing stones. This causes the grits to press too deeply into the surface with a resultant lack of plateau. (This is usually detected by the shine reflected from the deep scratches). On the other hand, too little pressure achieves a glazed appearance.
5. The final finish should be evenly cut in both directions, will have a dull matt grey appearance and there should be no deep scratches. A fingernail will be barely able to sense any roughness in a 15 micro inch bore, whereas a bore with a finish of around 25-35 will act like a fine nailfile on the fingernail.
6. The cross hatch angle should be from 30-60° included.

Selection of honing stones

Consult the honing machine and/or stone superior. Grit sizes of around 180-220 are OK for rough honing, but for finishing around 400 grit is ideal.

If fine stones are not available, a flexible hone of 400 grit is also capable of achieving the desired result, providing that this is used for finishing only and not basic stock removal. Note that these must only be used with engine oil, never honing oil.

Machine honing is better than hand honing. It produces the best results with less effort, i.e. less leave boring marks and is a faster way of achieving the right finish.

Always follow the instructions of the honing machine manufacturer with regard to oils, selection of stones, feeds and speeds etc.

Cleaning

Poor cleaning after honing still accounts for most of today's wear out/oil consumption problems. Petrol and kerosene are unsuitable. Soap, water and scrubbing, followed by a swab with a light engine oil is best.

Whichever way you go about this important job, be sure to check cleanliness with a clean white cloth. It must not show any greyness.

Important Note

Re-ringing a worn bore without honing it first is acceptable practise when there is any doubt that the honing procedure available will yield the desired finish. In such cases the use of non coated (plain) rings is preferred as these will bed in quickly.

Re-Ringing Information

Conditions For Re-Ringing

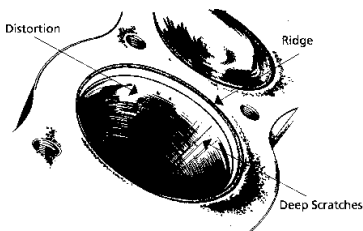
The engine has lost power, is burning oil and has excessive blowby. Other major components are in good enough condition for further use. Valve guides and stem seals, PCV valve, leaks etc have been eliminated as possible causes of consumption.

Bore condition

Honing may not be necessary if the bores are in good condition. Inspect each bore carefully. Look for signs of scratching or scoring, distortion, scuffing or seizure marks and heavy wear. Also look for signs of polishing or glazing. If these conditions are present the bore must be honed. A torch used with a disc of white cardboard fixed to the end of a piece of wooden dowel helps when examining a bore. Wear is detected by:

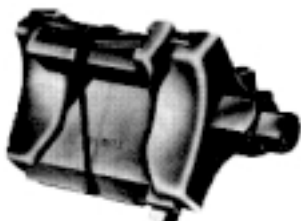
1. The presence of a lip or ridge at the top of the bore;
2. More than 0.002" (0.05) taper or ovality as measured with an inside micrometer.

A lip indicates too much wear for successful re-ringing without honing. Taper should be measured from the largest diameter (about 1" from the top) to the unworn section at the bottom.



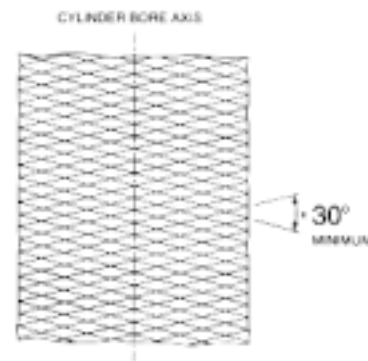
If Honing is Necessary

1. First remove any lip or ridge at the top of the bore using a cylinder ridge remover (Warren & Brown Part No 8512000).



2. If distortion or taper is to be corrected first hone with 180 OR 220 grit rigid stones to bring bores to parallel. Use Honing fluid specified by the stone supplier. Then follow up with 280 OR 320 grit stones or a Flexhone of 240 or 400 grit. Note you must only use oil, preferably SAE 20, with a flexible hone. Flexhone for a minimum of 45 seconds.

If the bore is not tapered then go straight to the finishing hone as above. The honed finish should have a minimum cross hatch angle of 30 degrees included.



Engine Types - Bore Finish

Honda engines are typical of today's modern four cylinder engines which require fine bore finishes. Honda recommends finishing bores with 400 grit stones or flexible hones. Their Prelude engine has aluminium oxide / carbon fibre composite bores. These must be honed with 600 grit.

Stock Removal

If Honing a worn bore, stock removal should be no more than 0.002" (0.05). If more than this is needed the block is not suitable for re-honing and should be bored to the next oversize.

Piston to Bore Clearance

If there was a piston noise prior to the engine being removed it is obviously not worth re-ringing. If the pistons were quiet, then up to 0.002" (0.05) increase in clearance, as indicated above, is unlikely to lead to a problem and re-honing is feasible.

Re-Ringing Information (Cont)

Honing in the Chassis

Sometimes it is not convenient to remove the engine from the car or truck and honing is carried out in situ. It is very difficult to adequately clean the cylinders in this situation and it is difficult to prevent honing debris from entering the rest of the engine. Only hone in the chassis if it is absolutely essential and remember that the risk of debris causing an early wear out of the engine is extremely high.

Unless the bore is severely scratched, scored, distorted or glazed, it is better not to hone at all than to take the risk of honing the chassis.

Cleaning After Honing

Petrol and kerosene are not suitable conditions for cleaning out honing debris from a cylinder bore. The bores must be washed with hot soapy water and a stiff nylon brush (unless a chemical tank is available). Check cleanliness with a clean white cloth. Rewash if this comes out grey. Any sign of greyness signifies cleaning is not complete and if the engine is reassembled at this point the rings will quickly wear out!

Piston Condition

1. Check for worn grooves. Do not reuse pistons if new rings have more than 0.004" (0.1) side clearance in the grooves.



2. Skirt, pinhole, circlip grooves (if any) and crown of piston must also be in good condition. Do not reuse if there is noticeable wear or scuffing or any other damage.
3. Severely blackened colour under crowns of pistons indicate previous overheating. Do not reuse these pistons as they will have been weakened.

4. Clean the pistons in a suitable cleaning solution. Do not sand or grit blast or glass bead spray pistons under any circumstances. If using a groove cleaning tool take care to avoid damage to the grooves.

Selection of Ring Set

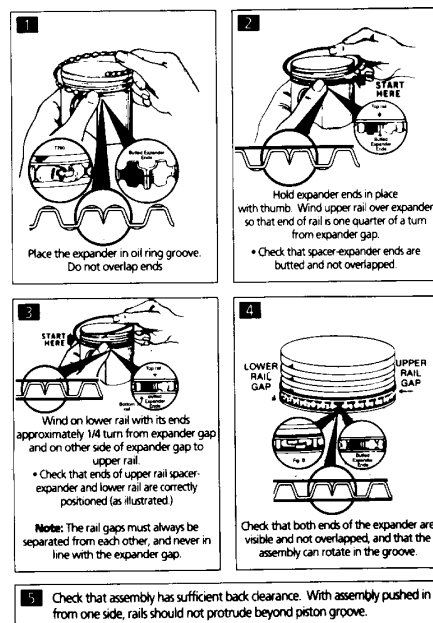
1. Measure bore size and determine the oversize required. The old pistons may have their oversize stamped on the crown.
2. Select appropriate ring set. ACL PROSEAL sets are suitable for re-ringing whether or not the bores are honed. The ACL Premium set contains either molybdenum inlaid or chromium plated top rings. Both types are especially suitable if bores are re-honed and give longer life to re-ringed engines.

Checking Gaps

Check the gaps of the compression rings in the bores, gaps should not be less than 0.010" (0.25) for typical automotive applications. Maximum gap specification is 0.005" per inch of bore diameter + 0.001". It is permissible for gap to be up to 0.25" above this because the bores may be slightly oversize due to wear or re-honing.

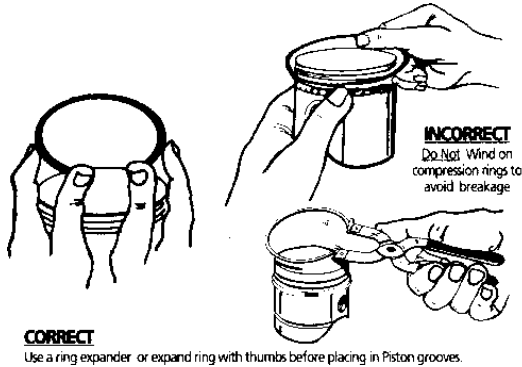
Assembling the Rings

* Oil Rings



Re-Ringing Information (Cont)

* Compression Rings

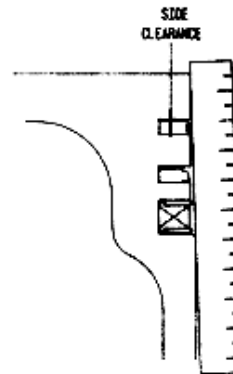


Open out second compression ring and place in second groove. Make sure rings with dot or top identification are correct way up. Dots and other markings must always go upwards.

Fit top compression ring in the same way. Note: never wind on compression rings. Use fingers to spread gap or for stiffer rings use a ring expander. See diagrams

Checking Back Clearance

All rings must have clearance between the back of ring and the back of the piston. To check this, push rings against the bottom of the groove on the thrust side of the piston then place a straight edge against the skirt of the piston. The minimum clearance between rings and the edge should be 0.3mm (0.012") for compression rings and 0.15mm (0.006") for oil rings.



Piston Ring Information

Groove positions as follows (usual combinations and fitting directions).

1st								
2nd								
3rd								
OIL UPPER								
OIL LOWER								

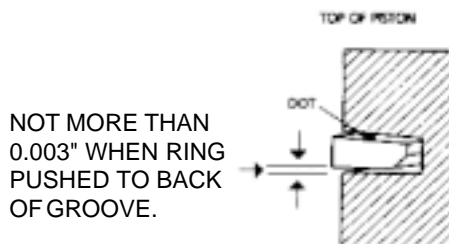
Any identification letters or dimple always upwards.



Re-Ringing Information (Cont)

Fitting Trapezoidal or Keystone Rings

Always ensure "top" or dimple is uppermost. Do not install upside down. Always check back clearance.



Piston groove condition is especially critical in diesel engines which have trapezoidal and keystone rings. Some light commercial diesel pistons do not have armoured groove inserts. Re-ringing these pistons is only recommended if previous mileage is low and the side clearance (measured with a feeler gauge below the ring) is less than 0.003" when the outside face of the ring flush with the land. See illustration.

Assembly to Bore

1. Double check all rings are assembled correctly, expanders not overlapped and back clearance is adequate. Apply engine oil to pin, rings and skirt. Lubricate the bearings (New bearings should always be fitted when re-ringing). Fit pistons to their original bores with front notch or arrow to front of engine.
2. Use a good quality ring compressor to compress rings as they enter the bore. Make sure the compressor is held firm against the block surface. Do not force piston into bore if it appears to stick on one of the rings. If this happens remove the assembly and start again.



3. Complete installation of all assemblies. Ensure engine rotates freely as each piston assembly is inserted.

First Fill Oil and Filter

Replace oil filter. Choose major oil company brand SAE 20W/50 or SAE 15W/40 oil. Low viscosity monograde oil are not recommended. Additives are also not recommended.

Running In

Do not let the engine idle for long periods. Subject the engine to several bursts of acceleration from 60-90 km/hr as soon as possible. This builds up pressure behind the rings and assists in bedding in. Avoid sustained high speeds and loads during first 2-3000 km.

First Oil Change

This should be as soon as possible and certainly before 500km. Change the filter as well. Use SAE 15W/40 or SAE 20W/50 oil unless engine manufacturer's own specification calls for a particular oil.

Re-Ringing Information (Cont)

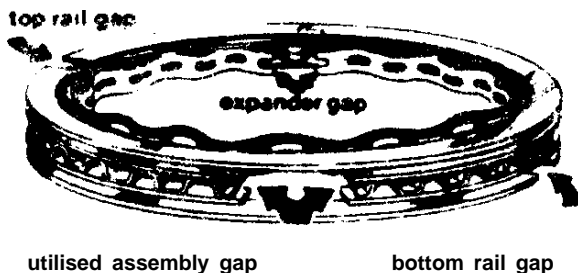
Oil Ring-Coil Spring Expander Type



Cast iron outer ring gap opposite coil spring expander ends.

1. Fit coil spring expander into oil ring groove (upper if two) and slide ends together on joining wire.
2. Fit cast iron outer ring with gap opposite the ends of expander.

Oil Ring-Coil Spring Expander Type



utilised assembly gap

bottom rail gap

Fitting Instructions

Two Rail:

1. Fit expander to groove.
2. Fit unitised assembly to groove with gap opposite expander gap.

Four Rail:

Assemble as above and then

3. Wind one rail into groove below unitised assembly.
4. Wind other rail into groove above unitised assembly.
5. Ensure that gaps in upper and lower rails are as shown in diagram.

Checking for Chromium on Rings or Bores

A simple and effective way for checking for the presence of chromium plate is to use copper sulphate.

If excessive wear is suspected on a plated top or oil ring, smear a few drops of copper sulphate solution onto the degreased ring surface. After a few seconds the copper sulphate will react with any exposed iron and plate out a thin layer of copper. If the chromium is not worn away there will be no reaction.

To confirm that the copper sulphate solution is "working", smear a little onto a second compression ring, or cast iron cylinder bore.

This test is also useful if there is any doubt whether a cylinder bore is chromium plated or not.

The copper sulphate solution is easy to obtain, and most chemist shops could mix up the solution, which should be about 15% strength.

File Back Ring Sets

File back ring sets contain compression rings (usually only top) which require gapping by the engine assembler. They are only available for certain performance applications.

A file back set is designated by a "5" in the size eg. MP9098-005, 025, 035, 045 etc.

When filing gaps, care is needed to avoid distortion of the ring in a vice, and the ends must be square and left free of burrs.

Sleeve and Sleeve Assemblies

Plain dry sleeves are finish ground on the outside diameter and are manufactured and supplied with an allowance for interference fit when the block is bored to the cylinder boring sizes shown in the numerical list. The bore diameter of the sleeves is left undersize for the finishing operation.

Note - It is recommended that a step is left at the bottom of the block to ensure that the sleeve cannot shift downwards into the crankcase should it be too loose or if a piston seizes - severe engine damage will occur if this happens.

Dry flange sleeves are available finished to size on both OD and bore but in some special applications a honing allowance is left for finishing in situation.

IMPORTANT:- Some sleeve assemblies are colour coded and (where this applies) a red colour coded piston **MUST BE USED** with a red colour coded sleeve. A blue coded piston **MUST BE USED** with a blue coded sleeve and so on. Failure to comply with this instruction will result in reduced or greater clearances than permissible.

Fitting Instructions:

When an engine is dismantled, remove the worn sleeves from the cylinder block by tapping the bottom of the sleeve with a rawhide mallet. This should sufficiently loosen it so that it may easily be pulled upwards. If this method fails, it may be necessary to use a special sleeve extractor.

Flush out all sludge deposits from water passages while the block is still wet internally.

All deposits of rust, scale and carbon must be scraped out from the machined sections of the block which come into contact with the sleeve. Where the sealing grooves are in the block these must be made free of all old rubber and dirt. Clean all surfaces with a piece of medium fine emery paper until bare metal appears. Welding and boring is recommended if the sleeve is excessively loose due to severe corrosion of the block at the flange or sealing ring section. Often the top edge of the hole in the lower section of the block is very ragged and sharp. Round off this edge with a file to eliminate damage to the sealing rings during installation. Check that all components are correct replacements for the used or worn parts.

Insert each new sleeve into the block without sealing rings and ensure that it is an easy fit at all locations and can be turned by hand. Also it is important to ensure that the underside of the sleeve flange mates against a flat smooth surface. Any burrs or dirt should be removed. If this face is damaged because of fretting or other causes it must be accurately recut and sleeves with oversize flange widths fitted, otherwise special shims must be employed.

To facilitate insertion of the sleeves in the block, smear with grease. Where rubber sealing rings are used, these should be fitted into their grooves first, care being taken not to twist or overstretch them and apply a coating of rubber grease to help insertion. Work the sleeves into place by hand as far as possible and then tap lightly home with a soft hammer.

Note:

- 1) The use of dry ice to shrink the sleeves before insertion is also recommended.
- 2) Always use new sealing rings and gaskets. Old parts are not suitable for reuse.

Check the bores to ensure that there has been no distortion. Distortion, caused by faulty fitting of the sealing rings can be severe. Fill the cylinder block with water and inspect each sleeve for leakage at the bottom.

After normal engine assembly checks and engine start up, the engine should be run a light load for only sufficient time to ensure proper oil circulation and a moderate warm up followed by operating the engine in the vehicle on the road under normal driving conditions, avoiding high speeds and engine lugging.

Vehicle Model/Engine Index

A - C

Application				Cap	Years	Pg	Col	Application				Cap	Years	Pg	Col
AUSTIN								CHEVROLET							
A35	'A' series			948cc	1959-62	1	2	TK10	220 Diesel			220ci	1962-70	7	3
A40	'A' series			1098cc	1962-69	2	3	TK5	5.4L OHV Diesel			330ci	1962-70	9	1
	'A' series			1098cc	1969-81	3	1	Bus	VA	300 Petrol Parent		300ci	1971-76	8	2
	'A' series			948cc	1959-62	1	2	Van	8CWT	1159		1159cc	1966-71	5	1
A50	'B' series			1489cc	1956-62	3	2	CHEVROLET							
A55	'B' series			1489cc	1956-62	3	2	All Trucks	250			250ci	1966-84	11	3
Cambridge	'B' series			1489cc	1956-62	3	2	Biscayne	230			230ci	1963-70	11	2
Countryman	'A' series			848cc	1960-71	1	1		327			327ci	1962-69	13	1
Farina	'A' series			948cc	1959-62	1	2	Camaro	230			230ci	1963-70	11	2
J4	'B' series			1489cc	1956-62	3	2		327			327ci	1962-69	13	1
Lancer	Series II 'B' series			1489cc	1956-62	3	2		350 Performance			350ci	1968-on	13	2
Mini	Clubman 'A' series			998cc	1963-73	2	1		350 Perf Low Comp			350ci	1968-74	13	3
	Cooper 'A' series			1071cc	1963-72	2	2	Caprice	283			283ci	1968-74	14	1
	'A' series			970cc	1963-on	1	3		327			327ci	1962-69	13	1
	'A' series			998cc	1961-on	2	1		350 Performance			350ci	1968-on	13	2
Cooper S	'A' series			1071cc	1963-on	2	2		350 Perf Low Comp			350ci	1968-74	13	3
	'A' series			970cc	1963-on	1	3	Chevelle	283			283ci	1968-74	14	1
	Matic 'A' series			848cc	1960-71	1	1		327			327ci	1962-69	13	1
	MKI 'A' series			848cc	1960-71	1	1		350 Performance			350ci	1968-on	13	2
	MKII 'A' series			848cc	1960-71	1	1		350 Perf Low Comp			350ci	1968-74	13	3
	'A' series			998cc	1963-73	2	1		350 Perf Semi Fin			350ci	1968-74	14	1
	Van 'A' series			848cc	1960-71	1	1	Chevy II	350 Performance			350ci	1968-on	13	2
	1000 'A' series			998cc	1963-73	2	1	Corvette	327			327ci	1962-69	13	1
	Moke 'A' series			1098cc	1962-81	2	3	KB20	G161Z			1584cc	1975-80	10	1
	'A' series			1098cc	1969-81	3	1	K700	140			140ci	1960-on	10	3
	'A' series			848cc	1960-71	1	1	Luv	G161Z			1584cc	1975-80	10	1
	'A' series			998cc	1961-71	2	1	Pick-Up	G180			1817cc	1972-74	10	2
1100	MKII 'A' series			1098cc	1962-81	2	3	Sport	100	230		230ci	1963-70	11	2
	'A' series			1098cc	1969-81	3	1		300	230		230ci	1963-70	11	2
1800	'B' series			1798cc	1965-71	3	3	Trucks	10	250		250ci	1966-84	11	3
	MKI 'B' series			1798cc	1965-70	3	3		20	250		250ci	1966-84	11	3
	MKII 'B' series			1798cc	1965-71	3	3		20	250		250ci	1966-84	11	3
	S 'B' series			1798cc	1965-71	3	3		30	250		250ci	1966-84	11	3
									40	250		250ci	1966-84	11	3
AUSTIN HEALEY								Chevrolet	250			250ci	1966-84	11	3
									302 V8			302ci	1967-on	12	3
Sprite	MKIV 'A' series			1275cc	1967-74	4	1		350 Performance			350ci	1968-on	13	2
	MKV 'A' series			1275cc	1967-74	4	1	100	153			153ci	1962-69	11	1
								300	153			153ci	1962-69	11	1
BEDFORD								CHRYSLER							
Series	CFL	202 Red Motor		202ci	1971-81	6	3	AP5	225 Slant 6			225ci	1962-70	16	1
	CF	2279		2279cc	1970-on	6	1	AP6	225 Slant 6			225ci	1962-70	16	1
		300 Petrol Parent		300ci	1971-76	8	2		273			273ci	1965-69	17	1
		1599		1599cc	1968-71	5	3		318			318ci	1965-81	17	3
		173		173ci	1974-82	6	2	Centura	215 Hemi			215ci	1970-80	15	3
	CFS	202 Red Motor		202ci	1971-81	6	3		245 (Incl. Hi Comp.)			245ci	1970-80	16	2
Chevanne	Van	1256		1256cc	1972-77	5	2		265			265ci	1970-81	16	3
Series	C	214		214ci	1957-75	7	2	GL	245 (Incl. Hi Comp.)			245ci	1975-77	16	2
	C3	300 Petrol Sleeved		300ci	1957-70	8	3	XL	265			265ci	1975-77	16	3
	D	214		214ci	1957-75	7	2	CH	265			265ci	1971-80	16	3
	D3	300 Petrol Sleeved		300ci	1957-70	8	3	Valiant	Charger	215 Hemi		215ci	1971-on	15	3
	EC	214		214ci	1957-75	7	2		245 (Incl. Hi Comp.)			245ci	1971-on	16	2
	ED	308 Red, Blue, Black		308ci	1978-80	7	1		265			265ci	1971-on	16	3
	EF	300 Petrol Parent		300ci	1971-76	8	2		360 V8			360ci	1971-on	18	1
		308 Red, Blue, Black		308ci	1979-81	7	1	CJ	265			265ci	1971-80	16	3
	EM	308 Red, Blue, Black		308ci	1979-81	7	1	CK	245 (Incl. Hi Comp.)			245ci	1970-80	16	2
	EN	308 Red, Blue, Black		308ci	1979-81	7	1		265			265ci	1971-80	16	3
	J	214		214ci	1957-75	7	2	CL	245 (Incl. Hi Comp.)			245ci	1970-80	16	2
		300 Petrol Parent		300ci	1971-76	8	2		265			265ci	1971-80	16	3
		5.4L OHV Diesel		330ci	1962-70	9	1		318			318ci	1965-81	17	3
	J3	300 Petrol Sleeved		300ci	1957-70	8	3	CM	245 (Incl. Hi Comp.)			245ci	1970-80	16	2
	KC	292 Petrol		292ci	1974-78	8	1		265			265ci	1971-80	16	3
	K	292 Petrol		292ci	1974-78	8	1		318			318ci	1965-81	17	3
SB3	Series	300 Petrol Parent		300ci	1971-76	8	2	Coronet	170 Slant 6			170ci	1960-70	15	1
	S	5.4L OHV Diesel		330ci	1962-70	9	1		198 Slant 6			198ci	1970-on	15	2
	S3	300 Petrol Sleeved		300ci	1957-70	8	3		225 Slant 6			225ci	1960-on	16	1
	TA	214		214ci	1957-75	7	2	CV Series	265			265ci	1971-73	16	3
	TK	214		214ci	1957-75	7	2		170 Slant 6			170ci	1960-70	15	1
		300 Petrol Sleeved		300ci	1957-70	8	3		198 Slant 6			198ci	1970-on	15	2

C - D

Vehicle Model/Engine Index

Application		Cap	Years	Pg Col	Application		Cap	Years	Pg Col
KB KC Lancer Plymouth Valiant R Ranger Royal Valiant S VC VE VF VG VH VIP VJ VK	225 Slant 6	225ci	1960-on	16 1		5R	1994cc	1968-70	22 2
	273	273ci	1957-77	17 1		DV23 5R	1994cc	1968-70	22 2
	301	301ci	1957-77	17 2		DV28 B Diesel	2977cc	1972-80	20 2
	318	318ci	1957-77	17 3		DV32 DG Diesel	2530cc	1968-77	25 1
	245 (Incl. Hi Comp.)	245ci	1970-80	16 2		V10 B Diesel	2977cc	1977-84	20 2
	245 (Incl. Hi Comp.)	245ci	1970-80	16 2		V30 5R	1994cc	1975-78	22 2
	170 Slant 6	170ci	1960-70	15 1		750 3K	1166cc	1970-82	21 3
	198 Slant 6	198ci	1970-on	15 2		4K	1290cc	1978-82	22 1
	225 Slant 6	225ci	1960-on	16 1	Series D	DG Diesel	2530cc	1968-77	25 1
	170 Slant 6	170ci	1960-76	15 1	DV	DG Diesel	2530cc	1968-77	25 1
	198 Slant 6	198ci	1960-76	15 2		B Diesel	2977cc	1977-84	20 2
	225 Slant 6	225ci	1960-76	16 1		5R	1994cc	1968-70	22 2
	301	301ci	1956-77	17 2	D200	DG Diesel	2530cc	1968-77	25 1
	318	318ci	1956-77	17 3	D300	DG Diesel	2530cc	1968-77	25 1
	225 Slant 6	225ci	1962-70	16 1	E20VD	12R	1587cc	1973-83	22 3
	215 Hemi	215ci	1970-75	15 3	Feroza	HDE OHC EFI	1589cc	1988-92	26 3
	273	273ci	1958-on	17 1	Series F	DL Diesel	2765cc	1983-on	25 2
	301	301ci	1958-on	17 2		FE	958cc	1965-77	26 1
	318	318ci	1958-on	17 3		12R	1587cc	1976-79	22 3
	225 Slant 6	225ci	1962-70	16 1		3Y	1998cc	1984-88	23 3
	170 Slant 6	170ci	1962-70	15 1	F10L 4WD	FE	958cc	1965-77	26 1
	198 Slant 6	198ci	1970-on	15 2	F20	12R	1587cc	1973-83	22 3
	245 (Incl. Hi Comp.)	245ci	1970-80	16 2	F30D	FE	958cc	1965-77	26 1
	273	273ci	1958-on	17 1	F30G	FE	958cc	1965-77	26 1
	301	301ci	1958-on	17 2	F30S	FE	958cc	1965-77	26 1
	318	318ci	1958-on	17 3	F40	FE	958cc	1965-77	26 1
	225 Slant 6	225ci	1962-70	16 1	F40Z Pick-Up	FE	958cc	1965-77	26 1
	273	273ci	1965-69	17 1	F60	DL Diesel	2765cc	1982-on	25 2
	318	318ci	1965-81	17 3	F65	DL Diesel	2765cc	1982-84	25 2
	225 Slant 6	225ci	1962-70	16 1	F75	DL Diesel	2765cc	1984-87	25 2
273	273ci	1965-69	17 1	KD10	3K	1166cc	1971-74	21 3	
318	318ci	1965-81	17 3		4K	1290cc	1978-on	22 1	
225 Slant 6	225ci	1962-70	16 1	Rocky F70	DL Diesel	2765cc	1984-88	25 2	
318	318ci	1965-81	17 3	F75	DL Diesel	2765cc	1984-88	25 2	
215 Hemi	215ci	1970-75	15 3	F77	DL Diesel	2765cc	1986-88	25 2	
245 (Incl. Hi Comp.)	245ci	1970-80	16 2	F80	3Y	1998cc	1984-86	23 3	
318	318ci	1965-81	17 3	F85	3Y	1998cc	1984-88	23 3	
215 Hemi	215ci	1970-75	15 3	F87	DL Diesel	2765cc	1986-88	25 2	
245 (Incl. Hi Comp.)	245ci	1970-80	16 2	Rocky 4WD	DL Diesel	2765cc	1983-on	25 2	
265	265ci	1971-80	16 3		DL Diesel	2765cc	1987-on	25 3	
318	318ci	1965-81	17 3		3Y	1998cc	1983-on	23 3	
225 Slant 6	225ci	1962-70	16 1		4Y	2237cc	1983-on	24 1	
245 (Incl. Hi Comp.)	245ci	1970-80	16 2	Bus	SV17L 12R	1587cc	1975-76	22 3	
215 Hemi	215ci	1970-75	15 3		SV17T 12R	1587cc	1973-83	22 3	
245 (Incl. Hi Comp.)	245ci	1970-80	16 2		SV1711 12R	1587cc	1973-83	22 3	
318	318ci	1965-81	17 3		SV18 DG Diesel	2530cc	1968-77	25 1	
245 (Incl. Hi Comp.)	245ci	1970-80	16 2		SV23 DG Diesel	2530cc	1972-77	25 1	
265	265ci	1971-80	16 3		5R	1994cc	1971-75	22 2	
318	318ci	1965-81	17 3		SV24 DG Diesel	2530cc	1968-77	25 1	
					SV26 DG Diesel	2530cc	1968-77	25 1	
					SV32 DG Diesel	2530cc	1968-84	25 1	
					SV4 DG Diesel	2530cc	1968-77	25 1	
					DL Diesel	2765cc	1983-on	25 2	
				VBG	DL Diesel	2530cc	1968-77	25 1	
				Vesta	DG Diesel	3168cc	1977-on	20 3	
				Series V	2B Diesel	2977cc	1972-80	20 2	
				Delta	V20 B Diesel	2765cc	1982-84	25 2	
					V22 DL Diesel	2765cc	1982-84	25 2	
					V23 DL Diesel	2765cc	1982-84	25 2	
					V24 DL Diesel	2765cc	1982-84	25 2	
					V26 DL Diesel	2765cc	1982-84	25 2	
					V30 5R	1994cc	1978-83	22 2	
					V31 5R	1994cc	1975-78	22 2	
					V32 5R	1994cc	1975-78	22 2	
					V34 5R	1994cc	1975-78	22 2	
					V57 DL Diesel	2765cc	1984-87	25 2	
				1500	3A	1452cc	1979-83	20 1	
DAEWOO									
Cielo	G15MF	1498cc	1995-on	19 2					
Espero	2.0L FII G2 ULP	1998cc	1995-on	19 1					
Leganza	2.2L	2200cc	1996-on	19 3					
DAIHATSU									
Applause	A101 HDE OHC EFI	1589cc	1989-96	26 3					
Berlina Spider	FE	958cc	1965-77	26 1					
Charade	CB OHC	993cc	1977-83	24 2					
	HCE OHC	1295cc	1988-93	26 2					
G11	CB OHC	993cc	1983-93	24 3					
G100	CB OHC	993cc	1983-93	24 3					
Charmont	A55 3A	1452cc	1981-83	20 1					
Compagno	1000 FE	958cc	1965-77	26 1					
Delta	DG Diesel	2530cc	1968-77	25 1					
	DL Diesel	2765cc	1987-on	25 3					
	B Diesel	2977cc	1972-on	20 2					
	1Y	1626cc	1983-on	23 1					
	13B Diesel	3431cc	1984-on	24 2					
	2B Diesel	3168cc	1977-on	20 3					
	2Y	1812cc	1983-on	23 2					
	3B Diesel	3431cc	1986-on	21 1					
	3Y	1998cc	1985-88	23 3					
	4Y	2237cc	1986-on	24 1					
DODGE									
AT4	215 Hemi	215ci	1971-81	27 1					
	225 Slant 6	225ci	1962-69	27 2					
	245 (Incl. Hi Comp.)	245ci	1971-81	27 3					
	265	265ci	1971-81	28 1					
	318	318ci	1968-79	28 3					
Coronet	318	318ci	1960-67	28 3					
	AW2, BW2 273	273ci	1964-69	28 2					

Vehicle Model/Engine Index

D - F

Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col	
Dart	VL2,AL2 273	273ci	1964-69	28	2		Courier	G6 SOHC 12V	2606cc	1991-96	35	2
D3F	318	318ci	1975-81	28	3	D Series	240	240ci	1965-81	48	2	
D5N	318	318ci	1960-81	28	3		2706E	240ci	1969-81	48	3	
Phoenix	330 318	318ci	1960-67	28	3		300	300ci	1965-81	51	1	
	440 318	318ci	1968-75	28	3	Econovan	FE SOHC Belt Drive	1998cc	1984-88	34	2	
							FE SOHC EFI	1998cc	1987-on	34	3	
							F2 SOHC 8 Valve	2184cc	1987-89	32	2	
							F6	1587cc	1982-on	33	3	
							F8 SOHC Belt Drive	1789cc	1984-on	34	1	
							NA OHC	1586cc	1979-80	36	3	
							NA OHC	1586cc	1979-84	37	1	
							R2 Diesel	2184cc	1984-87	37	3	
							S2 Diesel	2209cc	1980-84	38	1	
						1.4	UC SOHC Chain Dr	1415cc	1985-90	38	2	
						1.6	NA OHC	1586cc	1979-81	37	1	
						1.8	F8 SOHC Belt Drive	1789cc	1985-90	34	1	
						2.0	FE SOHC Belt Drive	1998cc	1984-90	34	2	
						2.2	S2 Diesel	2209cc	1984-90	38	1	
						Escort 1300	3014E	1297cc	1962-70	42	1	
							2735E	1298cc	1970-76	42	2	
							711M	1298cc	1971-75	42	3	
							751M	1298cc	1975-81	43	1	
						1600	751M 2V Carburetor	1598cc	1975-81	45	1	
							711M	1298cc	1971-76	42	3	
							711M Crossflow	1598cc	1971-74	44	3	
							751M 1V Carburetor	1598cc	1976-80	45	2	
						2000	70HM	1993cc	1972-82	45	3	
						Series F	3.3L (200ci) All	200ci	1976-80	47	2	
							3.3L (200 ci) Gas	200ci	1976-80	47	3	
							240	240ci	1965-80	48	2	
							4.1L (250ci) Leaded	250ci	1971-76	49	1	
							300	300ci	1965-80	51	1	
							302 Cleveland	302ci	1972-82	52	2	
							351 Cleveland	351ci	1972-82	54	1	
						Fairlane NA	3.2L EFI	3200cc	1988-90	50	2	
							3.9L EFI	3900cc	1988-92	50	3	
						NC	3.9L EFI	3900cc	1991-94	50	3	
							4.0LED	3997cc	1991-94	53	1	
						ZA	3.3L (200ci) All	200ci	1966-67	47	2	
							3.3L (200 ci) Hi Comp	200ci	1965-66	47	3	
						ZB	289 Windsor	289ci	1968-71	53	3	
							221	221ci	1968-70	48	1	
							302 Windsor	302ci	1968-71	53	1	
							302 Windsor Perf	302cc	1950-72	53	2	
						ZC	221	221ci	1968-70	48	1	
							302 Windsor	302ci	1962-on	53	1	
							302 Windsor Perf	302cc	1950-72	53	2	
							351 Windsor	351ci	1969-76	53	3	
							351 Cleveland	351ci	1970-82	54	1	
							351 Cleveland Perf	351ci	1970-on	54	2	
						ZD	3.3L (200ci) All	200ci	1970-76	47	2	
							3.3L (200 ci) Hi Comp	200ci	1970-76	47	3	
							4.1L (250ci) Leaded	250ci	1970-76	49	1	
							4.1L (250ci) Hi Comp	250ci	1970-on	49	3	
							4.1L (250ci) Hi Comp	250ci	1970-on	50	1	
							302 Windsor	302ci	1962-on	53	1	
							302 Windsor Perf	302cc	1950-72	53	2	
							351 Cleveland	351ci	1970-82	54	1	
							351 Cleveland Perf	351ci	1973-on	54	2	
						ZF	3.3L (200ci) All	200ci	1970-76	47	2	
							3.3L (200 ci) Hi Comp	200ci	1970-76	47	3	
							4.1L (250ci) Leaded	250ci	1970-76	49	1	
							4.1L (250ci) Hi Comp	250ci	1972-on	49	3	
							4.1L (250ci) Hi Comp	250ci	1972-on	50	1	
							302 Cleveland	302ci	1972-73	51	2	
							302 Cleveland Perf	302ci	1970-on	52	3	
							351 Cleveland	351ci	1970-82	54	1	
							351 Cleveland Perf	351ci	1972-73	54	2	
						ZG	3.3L (200ci) All	200ci	1970-76	47	2	
							3.3L (200 ci) Hi Comp	200ci	1970-76	47	3	
							4.1L (250ci) Leaded	250ci	1970-76	49	1	
							4.1L (250ci) Hi Comp	250ci	1973-on	49	3	
							4.1L (250ci) Hi Comp	250ci	1973-on	50	1	
							302 Cleveland	302ci	1973-75	52	2	
							302 Cleveland Perf	302ci	1970-on	52	3	
							351 Cleveland	351ci	1970-82	54	1	
							351 Cleveland Perf	351ci	1973-76	54	2	
						ZH	3.3L (200ci) All	200ci	1976-80	47	2	

FORD

All models	351 Perf 6" Rods	351ci	1970-on	54	3
Capri	3014E	1297cc	1962-70	42	1
	116E	1498cc	1963-67	43	2
	1593	1593cc	1973-on	44	1
	70HM	1993cc	1973-on	45	3
	2737E Crossflow	1598cc	1968-71	44	2
	3022E V6	2994cc	1969-on	46	1
	711M Cross Flow	1598cc	1971-74	44	3
SA	B6 DOHC Turbo 16V	1597cc	1989-92	30	2
	B6Y SOHC 8 Valve	1597cc	1989-92	29	2
	B6 DOHC 16 Valve	1597cc	1989-92	30	1
SC	B6Y SOHC 8 Valve	1597cc	1992-93	29	2
	B6 DOHC 16 Valve	1597cc	1992-94	30	1
SE	B6Y SOHC 8 Valve	1597cc	1993-94	29	2
	B6 DOHC 16 Valve	1597cc	1992-94	30	1
1300	711M	1298cc	1971-75	42	3
1600GT	751M 2V Carburetor	1598cc	1975-81	45	1
Corsair	UA CA20E	1974cc	1989-on	40	1
	KA24E 12 Valve	2389cc	1989-92	40	2
	KA24E 12 Valve	2389cc	1989-92	40	3
Cortina	120E	1500cc	1963-67	43	3
CD	2737E Crossflow	1598cc	1968-71	44	2
TC	70HM	1993cc	1972-81	45	3
	3.3L (200 ci) Hi Comp	200ci	1970-76	47	3
	4.1L (250ci) Leaded	250ci	1965-76	49	1
	4.1L (250ci) Hi Comp	250ci	1973-on	49	3
	4.1L (250ci) Hi Comp	250ci	1973-on	50	1
	711M Crossflow	1598cc	1971-74	44	3
TD	70HM	1993cc	1972-81	45	3
	3.3L (200ci) All	200ci	1970-76	47	2
	3.3L (200 ci) Hi Comp	200ci	1970-76	47	3
	4.1L (250ci) Leaded	250ci	1965-76	49	1
	4.1L (250ci) Hi Comp	250ci	1974-on	49	3
	4.1L (250ci) Hi Comp	250ci	1974-on	50	1
TE	70HM	1993cc	1972-81	45	3
	3.3L (200ci) All	200ci	1976-80	47	2
	3.3L (200 ci) Hi Comp	200ci	1980-84	47	3
	4.1L (250ci) Leaded	250ci	1976-80	49	1
	4.1L (250ci) Hi Comp	250ci	1976-80	49	3
	4.1L (250ci) Hi Comp	250ci	1976-80	50	1
TF	70HM	1993cc	1972-81	45	3
	3.3L (200ci) All	200ci	1980-84	47	2
	3.3L (200 ci) Hi Comp	200ci	1980-on	47	3
	4.1L (250ci) Leaded	250ci	1980-85	49	1
	4.1L (250ci) Hi Comp	250ci	1980-on	49	3
	4.1L (250ci) Hi Comp	250ci	1980-on	50	1
1100	711M	1098cc	1970-on	41	3
1500	116E	1498cc	1960-68	43	2
2000	70HM	1993cc	1972-82	45	3
1600GT	1593	1593cc	1970-86	44	1
	2737E Crossflow	1598cc	1968-71	44	2
Courier	FE SOHC Belt Drive	1998cc	1985-92	34	2
	FE SOHC EFI	1998cc	1985-90	34	3
	F2 SOHC 12V EFI	2184cc	1990-92	32	3
	F2 SOHC 8 Valve	2184cc	1987-89	32	2
	F8 SOHC Belt Drive	1789cc	1985-87	34	1
	G6 SOHC 12V	2606cc	1991-on	35	2
	MA OHC	1970cc	1982-85	36	2
	NA OHC	1586cc	1978-80	36	3
	NA OHC	1586cc	1978-on	37	1
	R2 Diesel	2184cc	1984-91	37	3
	S2 Diesel	2209cc	1981-85	38	1
	VC OHC	1769cc	1977-78	39	1
SG	FE SOHC Belt Drive	1998cc	1985-86	34	2
	R2 Diesel	2184cc	1986-87	37	3
1800	VC OHC	1769cc	1978-82	39	1
	VC OHC	1769cc	1978-82	39	2
2200	R2 Diesel	2184cc	1981-82	37	3

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Application		Cap	Years	Pg Col	Application		Cap	Years	Pg Col					
ZJ	3.3L (200 ci) Hi Comp	200ci	1976-80	47 3	XK	4.1L (250ci) Leaded	250ci	1984-85	49 1					
	4.1L (250ci) Leaded	250ci	1976-80	49 1		4.1L Unleaded	250ci	1987-on	49 2					
	4.1L (250ci) Hi Comp	250ci	1974-on	49 3		4.1L (250ci) Hi Comp	250ci	1985-88	49 3					
	4.1L (250ci) Hi Comp	250ci	1965-88	50 1		4.1L (250ci) Hi Comp	250ci	1985-88	50 1					
	302 Cleveland	302ci	1972-82	52 2		144	144ci	1960-64	46 2					
	302 Cleveland Perf	302ci	1970-on	52 3		170	170ci	1960-66	46 3					
	351 Cleveland	351ci	1970-82	54 1		3.3L (200ci) All	200ci	1960-68	47 2					
	351 Cleveland Perf	351ci	1976-78	54 2		3.3L (200 ci) Hi Comp	200ci	1965-66	47 3					
	4.1L (250ci) Leaded	250ci	1980-85	49 1		144	144ci	1962-64	46 2					
	4.1L (250ci) Hi Comp	250ci	1980-85	49 3		170	170ci	1960-66	46 3					
	4.1L (250ci) Hi Comp	250ci	1980-85	50 1		3.3L (200ci) All	200ci	1960-68	47 2					
	302 Cleveland	302ci	1972-82	52 2		3.3L (200ci) Hi Comp	200ci	1965-66	47 3					
	302 Cleveland Perf	302ci	1970-on	52 3		144	144ci	1964-on	46 2					
	351 Cleveland	351ci	1978-80	54 1		170	170ci	1960-66	46 3					
	4.1L (250ci) Leaded	250ci	1980-85	49 1		3.3L (200ci) All	200ci	1960-68	47 2					
	4.1L (250ci) Hi Comp	250ci	1980-85	49 3		3.3L (200 ci) Hi Comp	200ci	1965-66	47 3					
	4.1L (250ci) Hi Comp	250ci	1980-85	50 1		144	144ci	1964-on	46 2					
	4.1L (250ci) Leaded	250ci	1984-85	49 1		170	170ci	1960-66	46 3					
	4.1L Unleaded	250ci	1987-88	49 2		3.3L (200ci) All	200ci	1965-66	47 2					
	4.1L (250ci) Hi Comp	250ci	1984-88	49 3		3.3L (200 ci) Hi Comp	200ci	1965-66	47 3					
Falcon EA	3.2L EFI	3200cc	1988-92	50 2	XR	289 Windsor	289ci	1964-65	51 3					
	3.9L EFI	3900cc	1988-92	50 3		144	144ci	1960-68	46 2					
EB	3.2L EFI	3200cc	1991-92	50 2		170	170ci	1960-66	46 3					
	3.9L EFI	3900cc	1991-92	50 3		3.3L (200ci) All	200ci	1960-68	47 2					
	302 Windsor	4940cc	1993-on	55 1		3.3L (200 ci) Hi Comp	200ci	1965-66	47 3					
	4.0LED	3997cc	1992-94	51 1		289 Windsor	289ci	1963-66	51 3					
ED	3.9L EFI	3900cc	1993-94	50 3		XT	188	188ci	1965-66	47 1				
	302 Windsor	4940cc	1994-on	55 1			221	221ci	1968-70	48 1				
EF	4.0L EF & EL	4011cc	1994-96	51 2			302 Windsor	302ci	1962-on	53 1				
EL	4.0L EF & EL	4011cc	1996-on	51 2			302 Windsor Perf	302cc	1950-72	53 2				
	302 Windsor	4940cc	1995-on	55 1			XW	188	188ci	1965-66	47 1			
XA	3.3L (200ci) All	200ci	1970-76	47 2				221	221ci	1968-70	48 1			
	3.3L (200 ci) Hi Comp	200ci	1970-76	47 3				302 Windsor	302ci	1962-on	52 1			
	4.1L (250ci) Leaded	250ci	1971-76	49 1				302 Windsor Perf	302cc	1950-74	52 2			
	4.1L (250ci) Hi Comp	250ci	1970-on	49 3				351 Windsor	351ci	1969-76	52 3			
	4.1L (250ci) Hi Comp	250ci	1970-on	50 1				351 Cleveland	351ci	1970-82	54 1			
	302 Cleveland	302ci	1972-82	52 2				351 Cleveland Perf	351ci	1970-71	54 2			
	302 Cleveland Perf	302ci	1972-73	52 3				XY	3.3L (200ci) All	200ci	1970-76	47 2		
	351 Cleveland	351ci	1970-82	54 1					3.3L (200 ci) Hi Comp	200ci	1970-76	47 3		
	351 Cleveland Perf	351ci	1970-on	54 2					221	221ci	1968-70	48 1		
XB	3.3L (200ci) All	200ci	1970-76	47 2	4.1L (250ci) Leaded				250ci	1971-76	49 1			
	3.3L (200 ci) Hi Comp	200ci	1970-76	47 3	302 Windsor				302ci	1962-on	53 1			
	4.1L (250ci) Leaded	250ci	1971-76	49 1	302 Cleveland				302ci	1970-72	52 2			
	4.1L (250ci) Hi Comp	250ci	1972-on	49 3	302 Windsor Perf				302cc	1950-72	53 2			
	4.1L (250ci) Hi Comp	250ci	1972-on	50 1	302 Cleveland Perf				302ci	1970-72	52 3			
	302 Cleveland	302ci	1972-82	52 2	351 Windsor				351ci	1970-72	53 3			
	302 Cleveland Perf	302ci	1973-76	52 3	351 Cleveland	351ci			1970-82	54 1				
	351 Cleveland	351ci	1970-82	54 1	351 Cleveland Perf	351ci			1971-72	54 2				
	351 Cleveland Perf	351ci	1973-76	54 2	Festiva Futura	B3 1.3L 8 Valve			1323cc	1991-92	29 1			
	3.3L (200ci) All	200ci	1976-80	47 2		188			188ci	1965-66	47 1			
	3.3L (200 ci) Hi Comp	200ci	1970-76	47 3		3.3L (200ci) All	200ci		1970-76	47 2				
	4.1L (250ci) Leaded	250ci	1976-80	49 1		3.3L (200 ci) Hi Comp	200ci		1970-76	47 3				
	4.1L (250ci) Hi Comp	250ci	1976-80	49 3		221	221ci		1968-70	48 1				
	4.1L (250ci) Hi Comp	250ci	1976-80	50 1		4.1L (250ci) Leaded	250ci		1970-76	49 1				
	302 Cleveland	302ci	1972-82	52 2		4.1L (250ci) Hi Comp	250ci		1976-80	49 3				
	302 Cleveland Perf	302ci	1976-78	52 3		4.1L (250ci) Hi Comp	250ci		1976-80	50 1				
	351 Cleveland	351ci	1970-82	54 1		F100	4.1L (250ci) Leaded		250ci	1981-86	49 1			
	351 Cleveland Perf	351ci	1976-78	54 2			4.1L Unleaded	250ci	1986-88	49 2				
	3.3L (200ci) All	200ci	1976-80	47 2			302 Cleveland	302ci	1977-88	52 2				
	3.3L (200 ci) Hi Comp	200ci	1970-76	47 3			351 Cleveland	351ci	1978-88	54 1				
4.1L (250ci) Leaded	250ci	1976-80	49 1	351 Cleveland			351ci	1987-88	54 1					
4.1L (250ci) Hi Comp	250ci	1976-80	49 3	F150 F250 Galaxie Laser			4.1L (250ci) Leaded	250ci	1984-85	49 1				
4.1L (250ci) Hi Comp	250ci	1976-80	50 1				289 Windsor	289ci	1963-66	51 3				
302 Cleveland	302ci	1980-82	52 2				B6 DOHC 16 Valve	1597cc	1985-on	30 1				
302 Cleveland Perf	302ci	1979-82	52 3				E5 OHC Single Carb	1490cc	1981-on	31 3				
351 Cleveland	351ci	1970-82	54 1				KA	E3	1296cc	1980-85	31 2			
351 Cleveland Perf	351ci	1979-80	54 2					E5 OHC Single Carb	1490cc	1980-85	31 3			
3.3L (200ci) All	200ci	1980-84	47 2					KB	E3	1296cc	1980-85	31 2		
3.3L (200 ci) Hi Comp	200ci	1980-84	47 3		E5 OHC Single Carb				1490cc	1980-85	31 3			
4.1L (250ci) Leaded	250ci	1980-85	49 1		E5 OHC Twin Carb				1490cc	1983-85	32 1			
4.1L (250ci) Hi Comp	250ci	1980-85	49 3		KC				B6Y SOHC 8 Valve	1597cc	1985-90	29 2		
4.1L (250ci) Hi Comp	250ci	1980-85	50 1						E3	1296cc	1981-85	31 2		
302 Cleveland	302ci	1972-84	52 2						KE	B6Y SOHC 8 Valve	1597cc	1987-90	29 2	
302 Cleveland Perf	302ci	1982-83	52 3							E3	1296cc	1987-90	31 2	
351 Cleveland	351ci	1972-84	54 1							KF	BP SOHC	1840cc	1990-on	30 3
351 Cleveland Perf	351ci	1980-82	54 2								BP DOHC 16 Valve	1840cc	1990-on	31 1
3.3L (200ci) All	200ci	1984-88	47 2			KH					B6 SOHC 16 Valve	1597cc	1990-91	29 3
3.3L (200 ci) Hi Comp	200ci	1984-88	47 3								BP SOHC	1840cc	1991-on	30 3

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Application		Cap	Years	Pg Col	Application			Cap	Years	Pg Col				
LTD	DA	BP DOHC 16 Valve	1840cc	1991-on	31	1	Series	1500	1592 OHV	1592cc	1961-64	56	1	
		B6 SOHC 16 Valve	1597cc	1991-on	29	3		2500	1592 OHV	1592cc	1961-64	56	1	
		3.9L EFI	3900cc	1988-91	50	3	VH		1725 OHV	1725cc	1966-74	56	2	
		4.1L (250ci) Leaded	250ci	1976-80	49	1			1725 OHV	1725cc	1966-74	56	2	
		302 Cleveland	302ci	1972-82	52	2								
	302 Cleveland Perf	302ci	1973-on	52	3									
	351 Cleveland	351ci	1970-82	54	1									
	FC		351 Cleveland Perf	351ci	1976-78	54	2	HOLDEN						
			4.1L (250ci) Leaded	250ci	1976-80	49	1	Apollo	JK	3SFC 16V DOHC	1998cc	1989-91	66	2
			302 Cleveland	302ci	1972-82	52	2			3SFE 16V DOHC	1998cc	1989-91	66	3
	302 Cleveland Perf	302ci	1976-on	52	3	JL	3SFC 16V DOHC		1998cc	1991-93	66	2		
	FD		351 Cleveland	351ci	1970-82	54	1			3SFE 16V DOHC	1998cc	1991-93	66	3
			351 Cleveland Perf	351ci	1979-82	54	2	JM	3VZFE DOHC 24V	2958cc	1993-on	67	2	
			289 Windsor	289ci	1963-66	51	3			5SFE DOHC 16V	2164cc	1993-on	67	1
			302 Cleveland	302ci	1972-82	54	2	JP	3VZFE DOHC 24V	2958cc	1993-96	67	2	
302 Cleveland Perf			302ci	1976-on	52	3			5SFE DOHC 16V	2164cc	1993-96	67	1	
FE		351 Cleveland	351ci	1970-82	54	1	Astra	LB	E15	1487cc	1984-87	62	1	
		351 Cleveland Perf	351ci	1982-84	54	2			E15T OHC Turbo	1488cc	1984-85	62	2	
		4.1L (250ci) Leaded	250ci	1984-85	49	1		LC	E16	1597cc	1986-87	62	3	
		4.1L Unleaded	250ci	1985-88	49	2		LD	1.6L FII G2 (16LF)	1598cc	1987-89	69	1	
Maverick		4.1L (250ci) Hi Comp	250ci	1984-on	49	3	Barina	MB	1.8L FII G2 ULP	1796cc	1987-89	70	1	
		4.1L (250ci) Hi Comp	250ci	1984-on	50	1			MF	G13A	1324cc	1985-89	64	1
Meteor	GA	TB42SPetrol	4169cc	1987-on	41	1	MH	G13B SOHC	1298cc	1989-92	64	2		
		TD42 Diesel	4169cc	1987-on	41	2	ML	G13B SOHC	1298cc	1991-on	64	2		
Mustang	GB	E3	1296cc	1982-85	31	2	Brougham		G13A	1324cc	1985-89	64	1	
		E5 OHC Single Carb	1490cc	1982-85	31	3		307	307ci	1968-on	81	3		
		E3	1296cc	1980-85	31	2		350	350ci	1968-74	81	2		
Pinto	2000	E5 OHC Single Carb	1490cc	1980-85	31	3		350 Perf Low Comp	350ci	1968-74	82	2		
		B6Y SOHC 8 Valve	1597cc	1985-87	29	2		350 Perf Semi Fin	350ci	1968-74	82	3		
Raider	RS2000	289 Windsor	289ci	1963-66	51	3		253 Red & Blue	253ci	1969-71	77	3		
		70HM	1993cc	1970-on	45	3		253 Perf Hi Comp	253ci	1969-on	78	1		
Sierra		G6 SOHC 12 Valve	2606cc	1991-on	35	2		253 Unleaded Petrol	253ci	1969-on	78	3		
		70HM	1993cc	1970-on	45	3		253 Performance	253ci	1969-on	78	2		
Spectron		70HM	1993cc	1982-on	44	1		308 Red, Blue, Black	308ci	1969-71	80	1		
		FE SOHC Belt Drive	1998cc	1983-86	34	2		308 Perf Hi Comp	308ci	1969-on	80	2		
Telstar	AR	FE SOHC EFI	1998cc	1987-on	34	3		308 Unleaded Petrol	308ci	1969-on	80	3		
		F2 SOHC 8 Valve	2184cc	1989-89	32	2	Calibra	YE	2.0L FII G2 ULP	1998cc	1991-95	70	2	
		F8 SOHC Belt Drive	1789cc	1983-87	34	1	Camira	JB	1.6L FII G1 Leaded	1598cc	1982-83	68	3	
		RF Diesel OHC	1998cc	1983-92	37	2			1.8L FII G1 Leaded	1796cc	1982-83	69	2	
		FE SOHC EFI	1998cc	1987-on	34	3			1.6L FII G1 Leaded	1598cc	1984-87	68	3	
	AV		FE-E DOHC	1998cc	1987-on	35	1			1.8L FII G1 Leaded	1796cc	1984-85	69	2
			FS DOHC 16V EFI	1991cc	1993-on	33	2			1.8L FII G1 ULP	1796cc	1984-87	69	3
			F2 SOHC 12V EFI	2184cc	1987-on	32	3			2.0L FII G2 ULP	1998cc	1987-89	70	2
			F8 SOHC Belt Drive	1789cc	1987-on	34	1	Commodore		VB 1.9L Starfire	1891cc	1978-81	70	3
			KL V6 DOHC	2496cc	1992-on	36	1			173 Red Motor	173ci	1978-80	72	3
Trader	AY	FE SOHC Belt Drive	1998cc	1983-85	34	2			202 Red, Blue, Black	202ci	1979-80	74	1	
		FE SOHC EFI	1998cc	1983-85	34	3			202 Perf Hi Comp	202ci	1979-81	74	3	
TX3	1300	FE SOHC Belt Drive	1998cc	1985-87	34	2			202 Unleaded Petrol	3310cc	1978-80	74	2	
		F2 SOHC 12V EFI	2184cc	1987-89	32	3			202 Perf Hi Comp	202ci	1979-81	75	1	
Van		F2 2.2 12V Turb EFI	2184cc	1987-89	33	1			253 Red & Blue	253ci	1978-80	77	3	
		F2 SOHC 8 Valve	2184cc	1987-89	32	2			253 Perf Hi Comp	253ci	1969-84	78	1	
		F2 SOHC 12V EFI	2184cc	1989-91	32	3			253 Unleaded Petrol	253ci	1978-80	78	3	
		F2 2.2 12V Turb EFI	2184cc	1989-91	33	1			253 Performance	253ci	1978-80	78	2	
		F2 SOHC 8 Valve	2184cc	1990-92	32	2			308 Red, Blue, Black	308ci	1978-80	80	1	
		FS DOHC 16V EFI	1991cc	1992-94	33	2			308 Perf Hi Comp	308ci	1978-80	80	2	
		FS DOHC 16V EFI	1991cc	1994-96	33	2			308 Unleaded Petrol	308ci	1978-80	80	3	
		HA OHC	2977cc	1981-84	35	3			1.9L Starfire	1891cc	1980-81	70	3	
		SL Diesel	3455cc	1984-on	38	3			2.85L Blue motor	2835cc	1980-85	75	2	
		ZB Diesel	4052cc	1980-83	39	3			202 Red, Blue, Black	202ci	1980-on	74	1	
		BP SOHC	1840cc	1990-on	30	3			202 Perf Hi Comp	202ci	1980-on	74	3	
		BP DOHC 16 Valve	1840cc	1989-91	31	1			202 Unleaded Petrol	3310cc	1980-82	74	2	
		751M	1298cc	1975-76	43	1			202 Perf Hi Comp	202ci	1979-81	75	1	
									253 Red & Blue	253ci	1969-on	78	1	
HILLMAN														
									253 Perf Hi Comp	253ci	1980-81	78	3	
									253 Unleaded Petrol	253ci	1980-82	80	1	
									308 Red, Blue, Black	308ci	1980-on	80	2	
									308 Perf Hi Comp	308ci	1980-81	80	3	
									308 Unleaded Petrol	308ci	1980-82	80	1	
Arrow		1725 OHV	1725cc	1955-72	56	2			1.9L Starfire	1891cc	1981-84	70	3	
Gazelle		1725 OHV	1725cc	1966-67	56	2			2.85L Blue Motor	2835cc	1980-85	75	2	
Hunter		1725 OHV	1725cc	1955-72	56	2			202 Red, Blue, Black	202ci	1980-on	74	1	
Hustler		1725 OHV	1725cc	1973-74	56	2			202 Perf Hi Comp	202ci	1980-84	74	3	
Minx		1592 OHV	1592cc	1955-72	56	1			202 Unleaded Petrol	3310cc	1982-84	74	2	
		1725 OHV	1725cc	1955-72	56	2			202 Perf Hi Comp	202ci	1980-84	75	1	
PA		1725 OHV	1725cc	1966-74	56	2			253 Red & Blue	253ci	1980-on	77	3	
PB		1725 OHV	1725cc	1966-74	56	2			253 Perf Hi Comp	253ci	1980-on	78	1	
Royal		1725 OHV	1725cc	1968-73	56	2								

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Application		Cap	Years	Pg Col	Application		Cap	Years	Pg Col	
VK	253 Unleaded Petrol	253ci	1982-84	78 3	HK	202 Perf Hi Comp	202ci	1971-on	74 3	
	253 Perfnce	253ci	1982-84	78 2		202 Unleaded Petrol	3310cc	1971-on	74 2	
	308 Red, Blue, Black	308ci	1981-84	80 1		202 Perf Hi Comp	202ci	1971-on	75 1	
	308 Perf Hi Comp	308ci	1982-83	80 2		253 Red & Blue	253ci	1974-76	77 3	
	308 Unleaded Petrol	308ci	1982-84	80 3		253 Perf Hi Comp	253ci	1969-84	78 1	
	202 Red, Blue, Black	202ci	1984-86	74 1		253 Unleaded Petrol	253ci	1969-on	78 3	
	202 Perf Hi Comp	202ci	1980-on	74 3		253 Performance	253ci	1969-on	78 2	
	202 Unleaded Petrol	3310cc	1984-86	74 2		308 Red, Blue, Black	308ci	1974-76	80 1	
	202 Perf Hi Comp	202ci	1984-85	75 1		308 Perf Hi Comp	308ci	1969-on	80 2	
	308 Red, Blue, Black	308ci	1985-88	80 1		308 Unleaded Petrol	308ci	1969-on	80 3	
	308 Perf Hi Comp	308ci	1984-86	80 2		307	307ci	1968-69	81 3	
	308 Unleaded Petrol	308ci	1984-86	80 3		350	350ci	1968-74	82 1	
	VL	4.9L	4987cc	1986-on		79 1	350 Perf Low Comp	350ci	1968-74	82 2
4.9L Performance		4987cc	1986-89	79 3	350 Perf Semi Fin	350ci	1968-74	82 3		
RB30E		2962cc	1986-88	75 3	161	161ci	1963-74	72 2		
VN	RB30E Turbo	2962cc	1986-88	76 1	186	186ci	1968-71	73 2		
	3.8L V6	3794cc	1988-90	76 2	186 Unleaded Petrol	186ci	1966-71	73 3		
	308 Red, Blue, Black	308ci	1988-91	80 1	307	307ci	1972-74	81 3		
VP	308 Perf Hi Comp	308ci	1988-91	80 2	350	350ci	1968-74	82 1		
	4.9L	4987cc	1988-90	79 1	350 Perf Low Comp	350ci	1968-74	82 2		
	3.8L V6	3794cc	1991-on	76 2	350 Perf Semi Fin	350ci	1968-74	82 3		
VR	4.9L	4987cc	1991-93	79 1	173 Red Motor	173ci	1972-74	72 3		
	4.9L Performance	4987cc	1989-on	79 3	202 Red, Blue, Black	202ci	1971-on	74 1		
	3.8L V6	3794cc	1994-95	76 3	202 Perf Hi Comp	202ci	1971-on	74 3		
VS	4.9L	4987cc	1993-on	79 1	202 Unleaded Petrol	3310cc	1971-on	74 2		
	4.9L Performance	4987cc	1989-on	79 3	202 Perf Hi Comp	202ci	1971-on	75 1		
	5.7L HSV STD Comp	5737ci	1993-on	81 1	253 Red & Blue	253ci	1972-74	77 3		
	5.7L HSV Hi Comp	5737ci	1993-on	81 2	253 Perf Hi Comp	253ci	1969-84	78 1		
	3.8L V6	3794cc	1995-on	77 1	253 Performance	253ci	1969-on	78 2		
	4.9L	4987cc	1995-on	79 1	308 Red, Blue, Black	308ci	1972-74	80 1		
	4.9L Performance	4987cc	1995-on	79 3	308 Perf Hi Comp	308ci	1969-on	80 2		
VT	4.9L	4987cc	1997-on	79 2	308 Unleaded Petrol	308ci	1969-on	80 3		
	4WD	1324cc	1985-89	64 1	161	161ci	1963-74	72 2		
EH	QB	G13A	1324cc	1985-89	186	186ci	1966-71	73 2		
	149	149ci	1963-74	72 1	186 Unleaded Petrol	186ci	1966-71	73 3		
EJ	179	179ci	1963-74	73 1	307	307ci	1968-69	81 3		
	138 Grey Motor	2265cc	1962-63	71 2	350	350ci	1968-74	82 1		
EK	138 Grey Motor	2265cc	1962-62	71 2	350 Perf Low Comp	350ci	1968-74	82 2		
	4ZA1	1584cc	1981-on	60 2	350 Perf Semi Fin	350ci	1968-74	82 3		
FB	4ZB1 OHC Petrol	1817cc	1981-on	60 3	161	161ci	1963-74	72 2		
	138 Grey Motor	2265cc	1960-61	71 2	186	186ci	1968-71	73 2		
FC	132 Grey Motor	2174cc	1948-60	71 1	186 Unleaded Petrol	186ci	1966-71	73 3		
	138 Grey Motor	2265cc	1948-63	71 2	253 Red & Blue	253ci	1969-80	77 3		
FE	132 Grey Motor	2174cc	1948-60	71 1	253 Perf Hi Comp	253ci	1969-84	78 1		
	138 Grey Motor	2265cc	1948-63	71 2	253 Unleaded Petrol	253ci	1969-on	78 3		
FJ	132 Grey Motor	2174cc	1948-60	71 1	253 Performance	253ci	1969-on	78 2		
	138 Grey Motor	2265cc	1948-63	71 2	308 Red, Blue, Black	308ci	1969-80	80 1		
Frontera UT	2.0L FII G2 ULP	1998cc	1995-on	70 2	308 Perf Hi Comp	308ci	1969-on	80 2		
	Gemini	G180Z	1817cc	1977-83	308 Unleaded Petrol	308ci	1969-on	80 3		
HD	4XC1	1471cc	1985-90	60 1	HX	173 Red Motor	173ci	1976-77	72 3	
	Diesel	4FB1 OHC Diesel	1817cc	1979-on	58 1	202 Red, Blue, Black	202ci	1971-on	74 1	
HG	RB	4XC1	1471cc	1985-87	60 1	202 Perf Hi Comp	202ci	1971-on	74 3	
	TC	G161Z	1584cc	1977-78	58 3	202 Unleaded Petrol	3310cc	1971-on	74 2	
	TD	G161Z	1584cc	1978-79	58 3	202 Perf Hi Comp	202ci	1971-on	75 1	
	TE	G161Z	1584cc	1979-82	58 3	253 Red & Blue	253ci	1976-77	77 3	
	TF	4FB1 OHC Diesel	1817cc	1979-82	58 1	253 Perf Hi Comp	253ci	1969-84	78 2	
		G161Z	1584cc	1982-83	58 3	253 Unleaded Petrol	253ci	1969-on	78 3	
	TG	4FB1 OHC Diesel	1817cc	1982-83	58 1	253 Performance	253ci	1975-on	78 2	
		G161Z	1584cc	1983-84	58 3	308 Red, Blue, Black	308ci	1976-77	80 1	
	TX	4FB1 OHC Diesel	1817cc	1983-84	58 1	308 Perf Hi Comp	308ci	1969-on	80 2	
		G161Z	1584cc	1975-77	58 3	308 Unleaded Petrol	308ci	1969-on	80 3	
	HJ	149	149ci	1963-74	72 1	HZ	173 Red Motor	173ci	1977-79	72 3
		179	179ci	1963-74	73 1	202 Red, Blue, Black	202ci	1971-on	74 1	
HJ	307	307ci	1968-on	81 3	202 Perf Hi Comp	202ci	1971-on	74 3		
	350	350ci	1968-74	82 1	202 Unleaded Petrol	3310cc	1971-on	74 2		
	350 Perf Low Comp	350ci	1968-74	82 2	202 Perf Hi Comp	202ci	1971-on	75 1		
	350 Perf Semi Fin	350ci	1968-74	82 3	253 Red & Blue	253ci	1977-79	77 3		
	161	161ci	1963-74	72 2	253 Perf Hi Comp	253ci	1969-84	78 1		
	186	186ci	1966-70	73 2	253 Unleaded Petrol	253ci	1969-on	78 3		
	186 Unleaded Petrol	186ci	1966-71	73 3	253 Performance	253ci	1978-on	78 2		
	253 Red & Blue	253ci	1969-80	77 3	308 Red, Blue, Black	308ci	1977-79	80 1		
	253 Perf Hi Comp	253ci	1969-84	78 1	308 Perf Hi Comp	308ci	1969-on	80 2		
	253 Unleaded Petrol	253ci	1969-on	78 3	308 Unleaded Petrol	308ci	1969-on	80 3		
	253 Performance	253ci	1969-on	78 2	Jackaroo	C223 Diesel	2238cc	1983-88	57 2	
308 Red, Blue, Black	308ci	1969-80	80 1	C223 Turbo	2238cc	1984-88	57 3			
308 Perf Hi Comp	308ci	1969-on	80 2	G200Z OHC	1949cc	1981-85	59 2			
173 Red Motor	173ci	1974-76	72 3	4JB1 Diesel	2771cc	1988-on	59 3			
202 Red, Blue, Black	202ci	1971-on	74 1	4ZD1	2254cc	1985-88	61 2			

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col	
Kingswood	4ZE1	2559cc	1988-92	61	3	VS	3.8L V6	3794cc	1995-on	77	1	
	202 Red, Blue, Black	202ci	1971-on	74	1	Sunbird	1.9L Starfire	1891cc	1978-81	70	3	
	202 Perf Hi Comp	202ci	1971-on	74	3		1.9L	1897cc	1974-78	63	2	
	202 Unleaded Petrol	3310cc	1970-on	74	2	Torana	138 Grey Motor	2265cc	1969-74	71	2	
	202 Perf Hi Comp	202ci	1971-on	75	1		2265	2262cc	1969-71	71	3	
	253 Red & Blue	253ci	1969-on	77	3		149	149ci	1969-74	72	1	
	253 Perf Hi Comp	253ci	1970-on	78	1		161	161ci	1963-74	72	2	
	253 Unleaded Petrol	253ci	1970-on	78	3		173 Red Motor	173ci	1971-on	72	3	
	253 Performance	253ci	1969-on	78	2		179	179ci	1963-74	73	1	
	308 Perf Hi Comp	308ci	1969-on	80	1		202 Red, Blue, Black	202ci	1978-on	74	1	
	308 Unleaded Petrol	308ci	1970-on	80	3		202 Perf Hi Comp	202ci	1971-on	74	3	
Monaro	GTS	307	1968-on	81	3		202 Unleaded Petrol	3310cc	1971-on	74	2	
	350	350ci	1968-74	82	1		202 Perf Hi Comp	202ci	1971-on	75	1	
	350 Perf Low Comp	350ci	1968-74	82	2		253 Red & Blue	253ci	1974-on	77	3	
	350 Perf Semi Fin	350ci	1968-74	82	3		253 Perf Hi Comp	253ci	1969-84	78	1	
Nova	6A,6AFC	1397cc	1989-on	65	3		253 Unleaded Petrol	253ci	1969-on	78	3	
	4AFC DOHC 16V	1587cc	1989-92	64	3		253 Performance	253ci	1969-on	78	2	
	6A,6AFC	1397cc	1989-91	65	3		308 Perf Hi Comp	308ci	1969-on	80	2	
	LF	4AFE DOHC 16V	1587cc	1991-94	65	1	GTR	186	186ci	1970-72	73	2
	6A,6AFC	1397cc	1989-on	65	3		186 Unleaded Petrol	186ci	1966-71	73	3	
	7A,7AFE DOHC 16V	1762cc	1994-on	66	1	HB	1159	1159cc	1967-71	67	3	
	LG	4AFE DOHC 16V	1587cc	1994-96	65	2	LC	2265	2262cc	1969-76	71	3
	7A,7AFE DOHC 16V	1762cc	1994-on	66	1		1599	1599cc	1967-71	68	2	
Rodeo	C190 OHV Diesel	1951cc	1970-79	57	1		186	186ci	1969-72	73	2	
	K	C190 OHV Diesel	1951cc	1982-on	57	1		186 Unleaded Petrol	186ci	1966-71	73	3
		C223 Diesel	2238cc	1983-88	57	2	LH	1.9L Starfire	1891cc	1974-76	70	3
		G161Z	1584cc	1975-85	58	3		253 Red & Blue	253ci	1974-76	77	3
		G180Z	1817cc	1977-83	59	1		253 Perf Hi Comp	253ci	1969-on	78	1
		G200Z OHC	1949cc	1982-on	59	2		253 Unleaded Petrol	253ci	1969-on	78	3
	KB	C190 OHV Diesel	1951cc	1982-on	57	1		253 Performance	253ci	1969-on	78	2
		C223 Diesel	2238cc	1984-86	57	2		308 Red, Blue, Black	308ci	1974-76	80	1
		G161Z	1584cc	1973-86	58	3		308 Perf Hi Comp	308ci	1969-on	80	2
		G180Z	1817cc	1977-83	59	1		308 Unleaded Petrol	308ci	1969-on	80	3
		G200Z OHC	1949cc	1981-84	59	2		1.9L	1897cc	1974-76	63	2
		4FC1 OHC Diesel	1995cc	1979-83	58	2	LJ	1256	1256cc	1972-74	68	1
		4ZD1	2254cc	1984-89	61	2		2265	2262cc	1971-80	71	3
	KB24	4ZD1	2254cc	1985-88	61	2		1599	1599cc	1972-76	68	2
	KB28	G200Z OHC	1949cc	1984-89	59	2	LX	253 Red & Blue	253ci	1976-79	77	3
	KB29	4ZD1	2254cc	1985-88	61	2		253 Perf Hi Comp	253ci	1969-on	78	1
	KB40	G161Z	1584cc	1979-84	58	3		253 Unleaded Petrol	253ci	1969-on	78	3
	KB41	G200Z OHC	1949cc	1981-86	59	2		253 Performance	253ci	1969-on	78	2
	KB42	C223 Diesel	2238cc	1981-83	57	2		308 Red, Blue, Black	308ci	1976-78	80	1
	KB46	C190 OHV Diesel	1951cc	1982-on	57	1		308 Perf Hi Comp	308ci	1969-on	80	2
	KB47	G180Z	1817cc	1977-83	59	1		308 Unleaded Petrol	308ci	1969-on	80	3
	TF	4JB1 Diesel	2771cc	1990-92	59	3		1.9S	1897cc	1974-78	63	1
		4ZD1	2254cc	1990-92	61	2	SLR 5000	308 Perf Hi Comp	308ci	1974-76	79	3
		4ZE1	2559cc	1988-92	61	3	TA	1256	1256cc	1974-75	68	1
	KBD26	4FC1 OHC Diesel	1995cc	1979-83	58	2	UC	1.9L Starfire	1891cc	1978-81	70	3
	KBD28	C223 Diesel	2238cc	1984-89	57	2		2265	2262cc	1971-80	71	3
	KBD29	C223 Diesel	2238cc	1984-91	57	2	XU-1	186	186ci	1970-72	73	2
	KBD40	G161Z	1584cc	1979-84	58	3		186 Unleaded Petrol	186ci	1966-71	73	3
	KBD41	C223 Diesel	2238cc	1981-86	57	2	WB	307	307ci	1980-84	81	3
	KBD46	C223 Diesel	2238cc	1984-86	57	2		202 Red, Blue, Black	202ci	1980-84	74	1
		4FC1 OHC Diesel	1995cc	1981-84	58	2		202 Unleaded Petrol	3310cc	1980-84	74	2
Scurry	F10A	970cc	1985-87	63	3		253 Red & Blue	253ci	1980-84	77	2	
Series	48	132 Grey Motor	2174cc	1948-60	71	1	WFR11	4ZB1 OHC Petrol	1817cc	1982-on	60	3
	50	132 Grey Motor	2174cc	1948-60	71	1	WFR51	4FB1 OHC Diesel	1817cc	1981-on	58	1
Shuttle	C223 Diesel	2238cc	1981-on	57	2		4FC1 OHC Diesel	1995cc	1981-on	58	2	
	4FB1 OHC Diesel	1817cc	1979-on	58	1	WL	202 Red, Blue, Black	202ci	1980-84	74	1	
	4FC1 OHC Diesel	1995cc	1982-86	58	2		202 Unleaded Petrol	3310cc	1980-84	74	2	
	4ZA1	1584cc	1981-on	60	2	X2	149	149ci	1963-71	72	1	
	4ZB1 OHC Petrol	1817cc	1982-87	60	3		179	179ci	1963-71	73	1	
	4ZC1	1994cc	1983-91	61	1							
Statesman	307	307ci	1968-on	81	3							
	350	350ci	1968-74	81	3							
	350 Perf Low Comp	350ci	1968-74	82	1							
	350 Perf Semi Fin	350ci	1968-74	82	2							
	253 Red & Blue	253ci	1971-on	77	3							
	253 Perf Hi Comp	253ci	1969-84	78	1							
	253 Unleaded Petrol	253ci	1969-on	78	3							
	253 Performance	253ci	1969-on	78	2							
	308 Red, Blue, Black	308ci	1971-on	80	1							
	308 Perf Hi Comp	308ci	1969-on	80	2							
	308 Unleaded Petrol	308ci	1969-on	80	3							
	4.9L	4987cc	1985-on	79	1							
	4.9L Performance	4987cc	1989-on	79	3							
VQ	3.8L V6	3794cc	1988-94	76	2	SJ	EF OHC	1599cc	1976-78	87	1	
VR	3.8L V6	3794cc	1994-95	76	3	SM	EL OHC	1602cc	1979-81	88	2	
							EK	1751cc	1978-on	88	1	

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SV	EP OHC	1601cc	1980-81	89 2	Pony Sonata	G4CR 16V DOHC	1596cc	1991-92	96 1
SY	EP OHC	1601cc	1981-83	89 2		4G36	1238cc	1982-85	93 3
SZ	EK	1751cc	1978-on	88 1		G4CS OHC	2350cc	1989-92	95 1
1600	EL OHC	1602cc	1977-83	88 2		G6ATV6	2972cc	1990-on	96 2
	EP OHC	1601cc	1978-on	89 2	INTERNATIONAL				
1800	EK	1751cc	1978-on	88 1					
	ES	1829cc	1983-85	90 1	ISUZU				
2000	A20A Carb & EFI	1955cc	1985-87	83 2					
City	ER	1231cc	1983-86	89 3	Tractors	AD154 Diesel	154ci	1950-on	97 1
	ER	1231cc	1983-86	89 3		BD154 Diesel	154ci	1950-on	97 1
Civic	D15B	1493cc	1987-91	84 2		SD220	220ci	1950-on	97 2
	D16A	1590cc	1986-on	84 3	Trucks	SD220	220ci	1950-on	97 2
	EB1	1169cc	1972-75	85 2		BD240	240ci	1950-68	97 3
	EB2 OHC	1237cc	1976-on	85 3		ABD/AGD	264ci	1954-62	98 1
	EB3	1237cc	1978-79	86 1		ABD/AGD 6.281	282ci	1968-on	98 2
	EC OHC	1488cc	1974-78	86 2		V304 V8	304ci	1959-on	98 3
	ED OHC	1488cc	1977-79	86 3		V345 V8	345ci	1959-80	99 1
	EJ	1335cc	1978-on	87 3	ISUZU				
	EM OHC	1488cc	1979-82	88 3					
	EN OHC	1335cc	1979-82	89 1					
	EW2	1488cc	1984-87	90 3					
	EB2 OHC	1237cc	1973-78	85 3	Bellet	G161Z	1584cc	1966-75	104 1
SB	EB2 OHC	1237cc	1973-78	85 3		G180Z	1817cc	1970-on	104 2
SC	EB2 OHC	1237cc	1973-78	85 3	Bus	C240 OHV Diesel	2369cc	1968-on	103 1
SE	EC OHC	1488cc	1974-78	86 2		4BA1 OHV Diesel	2775cc	1973-79	100 1
SF	EB2 OHC	1237cc	1975-79	85 3		4BB1 Diesel	3595cc	1973-79	100 2
SK	EJ	1335cc	1978-79	87 3		4BD1 Diesel	3856cc	1980-on	100 3
SL	EN OHC	1335cc	1979-80	89 1	Elf	C190 OHV Diesel	1951cc	1971-83	102 1
SP	EJ	1335cc	1978-79	87 3		C240 OHV Diesel	2369cc	1968-on	103 1
SR	EN OHC	1335cc	1979-80	89 1		G161Z	1584cc	1976-79	104 1
SS	EN OHC	1335cc	1979-80	89 1		4BA1 OHV Diesel	2775cc	1976-79	100 1
ST	EN OHC	1335cc	1979-80	89 1		4BB1 Diesel	3595cc	1973-79	100 2
VB	EC OHC	1488cc	1974-79	86 2		4BD1 Diesel	3856cc	1980-on	100 3
VC	EJ	1335cc	1979-83	87 3	150 KA	C190 OHV Diesel	1951cc	1975-84	102 1
Concerto	D16A	1590cc	1989-92	84 3		C240 OHV Diesel	2369cc	1976-77	103 1
Integra	D16Z	1590cc	1988-on	85 1	350 KS	4BB1 Diesel	3595cc	1971-84	100 2
	EW2	1488cc	1987-on	90 3	Fargo	4ZA1	1584cc	1981-on	105 3
Jazz	ER	1231cc	1981-86	89 3		4ZB1 OHC Petrol	1817cc	1981-on	106 1
Legend	C27A1	2675cc	1987-on	91 1	Florian	C190 OHV Diesel	1951cc	1977-83	102 1
Prelude	A18A	1829cc	1985-on	83 1		G180Z	1817cc	1970-on	104 2
	A20A CARB & EFI	1955cc	1986-87	83 2	Forward	6BB1 Diesel	5393cc	1976-78	101 1
	B20A3 DOHC	1958cc	1987-91	83 3		6BD1 Diesel	5785cc	1976-on	101 2
	B20A5	1958cc	1987-91	84 1	Gemini	4XC1	1471cc	1985-90	105 2
	EL OHC	1602cc	1977-83	88 2	Journey	C190 OHV Diesel	1951cc	1976-83	102 1
	ES	1829cc	1983-85	90 1		G180Z	1817cc	1970-on	104 2
	ET	1829cc	1984-86	90 2		4BA1 OHV Diesel	2775cc	1973-79	100 1
	F22A	2156cc	1989-95	91 1		4BB1 Diesel	3595cc	1973-79	100 2
BA	B20A DOHC	1958cc	1985-87	83 3		4BD1 Diesel	3856cc	1980-on	100 3
SN	EK	1751cc	1978-80	88 1		6BB1 Diesel	5393cc	1980-on	101 1
AB100	ET	1829cc	1983-86	90 2	KB20	G161Z	1584cc	1966-86	104 1
AB110	ET	1829cc	1983-86	90 2	Rodeo	C190 OHV Diesel	1951cc	1982-on	102 1
1800	EK	1751cc	1978-on	88 1		C223 Diesel	2238cc	1983-88	102 2
Quintet	1600 EP OHC	1601cc	1978-on	89 2		C223T Turbo	2238cc	1984-88	102 3
HYUNDAI						4ZD1	2254cc	1985-on	106 3
Commercial	4D31 Diesel	3298cc	1986-on	92 1	SBR	6BB1 Diesel	5393cc	1976-84	101 1
	4D32A	3298cc	1985-on	92 2		6BD1 Diesel	5785cc	1976-84	101 2
	4D34	3907cc	1991-on	92 3	SCR	6BB1 Diesel	5393cc	1976-84	101 1
	4D56 Diesel	2476cc	1985-on	93 1		6BD1 Diesel	5785cc	1976-84	101 2
	4D56T Turbo Diesel	2477cc	1985-on	93 2	SGR	6BB1 Diesel	5393cc	1976-84	101 1
Coupe	G4GM DOHC	1795cc	1995-on	95 3		6BD1 Diesel	5785cc	1976-84	101 2
Excel	GHY	1468cc	1986-90	94 1	Shuttle	4FB1 OHC Diesel	1817cc	1979-85	103 2
	G4AJ	1468cc	1986-94	94 2		4FC1 OHC Diesel	1995cc	1981-90	103 3
Cabriolet	GHY	1468cc	1986-87	94 1		4ZA1	1584cc	1981-on	105 3
	G4AJ	1468cc	1987-90	94 2		4ZB1 OHC Petrol	1817cc	1981-on	106 1
	G4DJ	1468cc	1991-94	95 2		4ZC1	1994cc	1983-on	106 2
GL	GHY	1468cc	1986-87	94 1	SJR	6BB1 Diesel	5393cc	1980-83	101 1
	G4AJ	1468cc	1987-90	94 2	SLR	6BB1 Diesel	5393cc	1977-83	101 1
	G4DJ	1468cc	1990-94	95 2	Trooper	C223 Diesel	2238cc	1979-on	102 2
GLS	GHY	1468cc	1986-87	94 1		G200Z OHC	1949cc	1983-88	104 3
	G4AJ	1468cc	1987-90	94 2		4JB1 Diesel	2771cc	1984-on	105 1
	G4DJ	1468cc	1990-94	95 2		4ZE1	2559cc	1987-on	107 1
Hatch	GHY	1468cc	1986-87	94 1	Trucks	4BB1 Diesel	3595cc	1985-on	100 2
	G4AJ	1468cc	1987-90	94 2		4BD1 Diesel	3856cc	1980-on	100 3
	G4DJ	1468cc	1990-94	95 2		4JB1 Diesel	2771cc	1984-on	105 1
Lantra	G4CN 16V DOHC	1836cc	1992-95	94 3		6BB1 Diesel	5393cc	1976-on	101 1
	G4GM DOHC	1795cc	1995-on	95 3		6BD1 Diesel	5785cc	1980-84	101 2
						6BD1T Turbo	5785cc	1976-86	101 3

Vehicle Model/Engine Index

J - M

Application	Cap	Years	Pg	Col	Application	Cap	Years	Pg	Col																																																																																																																																																																
JAGUAR					Bus Duc9 Commercial Eunos 1300 1400 E1600 E1800 E2000 E2200 E3000 Familia Luce MPV MX-5 MX-6 Bus Parkway Presto Traveller Commercial T2600 T3000 T3500 1200 121 Hatch 1500 323 Astina SP BP SOHC BP DOHC 16 Valve WL 4100 616 626	F8 SOHC Belt Drive	1789cc	1987-on	118	1																																																																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5" style="text-align: center;">JAGUAR</td> </tr> <tr> <td>Daimler Sovereign</td> <td>4.2L</td> <td>258ci</td> <td>1966-on</td> <td>109 1</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1973-86</td> <td>109 3</td> </tr> <tr> <td>E-Type</td> <td>4.2L</td> <td>258ci</td> <td>1964-on</td> <td>109 1</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1968-73</td> <td>109 2</td> </tr> <tr> <td>Mark X</td> <td>4.2L</td> <td>258ci</td> <td>1964-68</td> <td>109 1</td> </tr> <tr> <td>MKVII</td> <td>3.4L</td> <td>3442cc</td> <td>1955-69</td> <td>108 2</td> </tr> <tr> <td></td> <td>3.5L</td> <td>3442cc</td> <td>1949-54</td> <td>108 3</td> </tr> <tr> <td>MKII</td> <td>2.4L</td> <td>2483cc</td> <td>1956-70</td> <td>108 1</td> </tr> <tr> <td>Series I</td> <td>4.2L</td> <td>258ci</td> <td>1965-on</td> <td>109 1</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1969-74</td> <td>109 2</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1965-on</td> <td>109 1</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1973-86</td> <td>109 3</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1973-86</td> <td>109 3</td> </tr> <tr> <td>XJS</td> <td>4.2L</td> <td>258ci</td> <td>1968-on</td> <td>109 1</td> </tr> <tr> <td>XJ</td> <td>4.2L</td> <td>258ci</td> <td>1965-84</td> <td>109 1</td> </tr> <tr> <td>XJ6</td> <td>4.2L</td> <td>258ci</td> <td>1965-84</td> <td>109 1</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1969-74</td> <td>109 2</td> </tr> <tr> <td></td> <td>4.2L</td> <td>258ci</td> <td>1974-78</td> <td>109 3</td> </tr> <tr> <td>420G</td> <td>4.2L</td> <td>258ci</td> <td>1965-84</td> <td>109 1</td> </tr> </table>						JAGUAR					Daimler Sovereign	4.2L	258ci	1966-on	109 1		4.2L	258ci	1973-86	109 3	E-Type	4.2L	258ci	1964-on	109 1		4.2L	258ci	1968-73	109 2	Mark X	4.2L	258ci	1964-68	109 1	MKVII	3.4L	3442cc	1955-69	108 2		3.5L	3442cc	1949-54	108 3	MKII	2.4L	2483cc	1956-70	108 1	Series I	4.2L	258ci	1965-on	109 1		4.2L	258ci	1969-74	109 2		4.2L	258ci	1965-on	109 1		4.2L	258ci	1973-86	109 3		4.2L	258ci	1973-86	109 3	XJS	4.2L	258ci	1968-on	109 1	XJ	4.2L	258ci	1965-84	109 1	XJ6	4.2L	258ci	1965-84	109 1		4.2L	258ci	1969-74	109 2		4.2L	258ci	1974-78	109 3	420G	4.2L	258ci	1965-84	109 1	NA OHC	1586cc	1970-78	123	1																																																											
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Vehicle Model/Engine Index

Application		Cap	Years	Pg Col	Application	Cap	Years	Pg Col		
808 929	F2.2.2 12V Turbo EFI	2184cc	1987-91	117 1	AC Turbo Express Van Express SF Express SG Express SH Express SJ Express WA Galant GA GB GC GD HG HH HJ Jeep Lancer CA Lancer L200 4WD L300 SA SB SC SD SE Magna TF TM	G62B Turbo Belt Dr	1795cc	1984-87	144 3	
	F6	1587cc	1982-87	117 2		4G37 Saturn Belt Dr	1755cc	1985-86	141 2	
	KL V6 DOHC	2496cc	1992-on	122 1		G62B Sirius Belt	1795cc	1986-89	144 2	
	MA OHC Press Fit	1970cc	1978-80	122 2		G62B Turbo Belt Dr	1795cc	1986-89	144 3	
	MA OHC Circlip	1970cc	1980-83	122 3		4G37 Saturn Belt Dr	1755cc	1986-89	141 2	
	RF Diesel OHC	1998cc	1983-on	125 1		G62B Turbo Belt Dr	1795cc	1984-on	144 3	
	R2 Diesel	2184cc	1983-85	124 2		4G64 SOHC 8 Valve	2351cc	1990-on	147 2	
	NA OHC	1586cc	1977-78	123 1		4G63 Sirius ULP	1997cc	1986-90	145 3	
	TC OHC	1272cc	1972-77	126 1		4G64 SOHC 8 Valve	2351cc	1986-90	147 2	
	FE SOHC EFI	1998cc	1987-on	118 3		4G63 Sirius ULP	1997cc	1990-91	145 3	
	F2 SOHC 12V EFI	2184cc	1987-on	116 3		4G64 SOHC 8 Valve	2351cc	1990-91	147 2	
	F2 SOHC 8 Valve	2184cc	1987-89	116 2		4D56 Diesel	2476cc	1991-92	136 2	
	JE SOHC 18V EFI	2954cc	1986-91	121 2		4D56T Turbo Diesel	2477cc	1991-92	136 3	
	JE DOHC V6	2954cc	1991-on	121 3		4G63 Sirius ULP	1997cc	1991-92	145 3	
	KL V6 DOHC	2496cc	1992-on	122 1		4G63 SOHC Belt Dr	1997cc	1992-94	146 1	
	MA OHC Press Fit	1970cc	1978-80	122 2		4G64 SOHC 8 Valve	2351cc	1991-92	147 2	
	MA OHC Circlip	1970cc	1980-83	122 3		4G64 SOHC 8 Valve	2351cc	1992-94	147 3	
	VB OHC	1796cc	1969-on	127 3		4D56 Diesel	2476cc	1994-on	136 2	
	VC OHC	1769cc	1974-78	128 1		4D56T Turbo Diesel	2477cc	1994-on	136 3	
	M.G.					4G63 SOHC Belt Dr	1997cc	1994-on	146 1	
Magnette	'B' series	1489cc	1954-65	131 2	4G64 SOHC 8 Valve	2351cc	1994-on	147 3		
MGA 1500	'B' series	1489cc	1954-65	131 2	4G64 SOHC 8 Valve	2351cc	1994-on	147 3		
MGB	'B' series	1798cc	1962-64	131 3	4G64 SOHC 8 Valve	2351cc	1994-on	147 3		
	'B' series	1798cc	1971-74	132 2	G32B Saturn Belt Dr	1597cc	1980-on	140 2		
	'B' series	1798cc	1971-76	132 3	KE46	1189cc	1969-on	150 2		
	'B' series	1798cc	1964-70	132 1	4G31 OHC Chain Dr	1499cc	1969-71	139 3		
MGB-GT	3528 V8	3528cc	1973-76	133 1	4G36	1238cc	1976-on	141 1		
Midget	'A' series	1098cc	1964-68	130 3	4G51	1855cc	1974-on	141 3		
	'A' series	948cc	1961-63	130 1	4G30 OHC Chain Dr	1289cc	1970-72	139 2		
ZA	'B' series	1489cc	1954-65	131 2	4G31 OHC Chain Dr	1499cc	1970-72	139 3		
ZB	'B' series	1489cc	1954-65	131 2	4G32 Chain Drive	1597cc	1972-76	140 1		
1100	'A' series	1098cc	1963-67	130 2	4G33 Sat Chain Dr	1439cc	1972-75	140 3		
1300	'A' series	1275cc	1967-73	131 1	4G32 Chain Drive	1597cc	1972-75	140 1		
					4G33 Sat Chain Dr	1439cc	1972-75	140 3		
MITSUBISHI					4G32 Chain Drive	1597cc	1977-78	140 1		
Bus	KE46	1189cc	1968-70	150 3	HG	4G63T DOHC 16V	1997cc	1990-93	147 1	
	4D30 Diesel	3298cc	1979-82	134 1		4G63 DOHC 16 V	1997cc	1989-92	146 2	
Canter	G54B Low Comp	2555cc	1982-85	143 1		4G63T DOHC 16V	1997cc	1989-92	147 1	
	4DR5 Diesel	2659cc	1975-on	137 1		4G63 DOHC 16V	1997cc	1989-92	146 2	
	4D30 Diesel	3298cc	1979-82	134 1		4G63 DOHC 16V	1997cc	1992-93	146 3	
	4D31 Diesel	3298cc	1982-on	134 2		4G63 DOHC 16V	1997cc	1992-93	146 3	
	4D31 Turbo Diesel	3298cc	1986-89	135 2		4G63 DOHC 16V	1997cc	1993-96	146 3	
	4D32A	3298cc	1985-on	134 3		4DR5 Diesel	2659cc	1970-on	137 1	
	4G53	2384cc	1974-78	142 2		4G53	2384cc	1974-on	142 2	
	6DR5 Diesel	3988cc	1970-on	137 2		G11B	1244cc	1977-82	137 3	
Celeste	KE44	1088cc	1966-70	149 3		4G15 8 Valve Carb	1468cc	1988-on	138 2	
	4G36	1238cc	1975-on	141 1		4G36	1238cc	1976-on	141 1	
Celica	KE44	1088cc	1968-70	150 3		4G92 1.6L 16V EFI	1596cc	1991-on	148 2	
Challenger	4G53	2384cc	1978-on	142 2		4G93T DOHC	1834cc	1991-on	148 3	
Valiant	4G30 OHC Chain Dr	1289cc	1969-71	139 2		4G15 8 Valve Carb	1468cc	1988-90	138 2	
	4G31 OHC Chain Dr	1499cc	1969-71	139 3		4G15 8 Valve MPI	1468cc	1989-90	138 3	
	4G32 Chain Drive	1597cc	1982-on	140 1		4G15 SOHC 12V	1468cc	1990-on	139 1	
	4G33 Sat Chain Dr	1439cc	1971-on	140 3		4G15 SOHC 12V	1468cc	1992-on	139 1	
	4G36	1238cc	1976-on	141 1		4G92 1.6L 16V EFI	1596cc	1992-96	148 2	
Colt	G32B Saturn Belt Dr	1597cc	1980-on	140 2		4G93T DOHC	1834cc	1992-96	148 3	
	KE44	1088cc	1966-70	150 3		4G15 SOHC 12V	1468cc	1996-on	139 1	
	KE46	1189cc	1968-70	150 3		LA	4G33 Sat Chain Dr	1439cc	1974-75	140 3
	4G15 8 Valve Carb	1468cc	1988-on	138 2		LB	G32B Saturn Belt Dr	1597cc	1977-79	140 2
	4G36	1238cc	1976-on	141 1		4D55 Diesel	2346cc	1983-84	135 3	
	4G51	1855cc	1974-on	141 3		4G52 Astron Chain	1995cc	1977-on	142 1	
	4G53	2384cc	1978-on	142 2		4G63 SOHC Belt Dr	1997cc	1992-on	146 1	
	RA	G12B Orion Belt Dr	1410cc	1980-82		4D55 Diesel	2346cc	1983-86	135 3	
		G32B Saturn Belt Dr	1597cc	1980-on		G32B Saturn Belt Dr	1597cc	1979-82	140 2	
	RB	G32B Saturn Belt Dr	1597cc	1982-90		G62B Sirius Belt	1795cc	1980-87	144 2	
	RC	G32B Saturn Belt Dr	1597cc	1982-on		4D56 Diesel	2476cc	1987-92	136 2	
	RD	G32B Saturn Belt Dr	1597cc	1982-90		4G32 Chain Drive	1597cc	1982-on	140 1	
	RE	G32B Saturn Belt Dr	1597cc	1982-90		4G63 Sirius Leaded	1997cc	1980-on	145 1	
		G32B Saturn Belt Dr	1597cc	1980-on		4G63 Sirius ULP	1997cc	1984-85	145 3	
	AA	G32B Saturn Belt Dr	1597cc	1983-84		4G63 SOHC Belt Dr	1997cc	1992-on	146 1	
		G62B Sirius Belt	1795cc	1983-84		4G64 SOHC 8 Valve	2351cc	1985-on	147 2	
		G62B Turbo Belt Dr	1795cc	1984-87		4G64 SOHC 8 Valve	2351cc	1992-on	147 3	
	AB	G62B Sirius Belt	1795cc	1985-85		4G63 Sirius Leaded	1997cc	1980-on	145 1	
						4G63 Sirius Leaded	1997cc	1980-on	145 1	
						4G63 Sirius Leaded	1997cc	1983-85	145 1	
						4G63 Sirius Leaded	1997cc	1984-85	145 1	
						4G63 Sirius Leaded	1997cc	1985-86	145 1	
						TE	6G72 V6 Belt Drive	2972cc	1991-on	149 2
						TF	6G72 V6 Belt Drive	2972cc	1996-on	149 3
						TM	G54B Carb & MPI	2555cc	1986-on	143 2
							G54B Carb & MPI	2555cc	1985-87	143 3

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Application		Cap	Years	Pg	Col	Application	Cap	Years	Pg	Col	
TN	G54B Carb & MPI	2555cc	1986-on	143	2	WA	4G64 SOHC 8 Valve	2351cc	1991-92	147	2
	G54B Carb & MPI	2555cc	1987-90	143	3		4G64 SOHC 8 Valve	2351cc	1992-94	147	3
TP	G54B Carb & MPI	2555cc	1987-94	143	2	Tredia	4G63 SOHC Belt Dr	1997cc	1994-97	146	1
	G54B Carb & MPI	2555cc	1987-90	143	3		4G64 SOHC 8 Valve	2351cc	1994-on	147	3
TR	G54B Carb & MPI	2555cc	1992-94	143	2	Triton	6G72 V6 Belt Drive	2972cc	1994-on	149	2
	G54B Carb & MPI	2555cc	1987-90	143	3		G11B	1244cc	1977-82	137	3
	6G72 V6 Belt Drive	2972cc	1991-94	149	2		G12B Orion Belt Dr	1410cc	1979-on	138	1
TS	G54B Carb & MPI	2555cc	1994-on	143	3	ME	G32B Saturn Belt Dr	1597cc	1980-on	140	2
	G54B Astr MPI Chain	2555cc	1994-on	144	1		G54B Low Comp	2555cc	1985-on	143	1
	6G72 V6 Belt Drive	2972cc	1994-97	149	2		G54B Carb & MPI	2555cc	1986-on	143	2
	6G74	3497cc	1995-on	150	1		G54B Carb & MPI	2555cc	1986-on	143	3
Nimbus Wagon	6G74	3497cc	1995-on	150	2	MF	4D56 Diesel	2476cc	1986-88	136	2
	G32B Saturn Belt Dr	1597cc	1980-on	140	2		G54B Carb & MPI	2555cc	1986-on	143	2
UA	4G37 Saturn Belt Dr	1755cc	1980-on	141	2	MG	G54B Carb & MPI	2555cc	1986-on	143	3
	4G37 Saturn Belt Dr	1755cc	1983-89	141	2		4D56 Diesel	2476cc	1988-89	136	2
UB	4G37 Saturn Belt Dr	1755cc	1983-89	141	2	MH	G54B Carb & MPI	2555cc	1986-on	143	2
	4G64 SOHC 8 Valve	2351cc	1985-91	147	2		G54B Carb & MPI	2555cc	1985-on	143	2
Nimbus UF	4G64 SOHC 8 Valve	2351cc	1992-92	147	3	MJ	4D56 Diesel	2476cc	1989-90	136	2
	4G64 SOHC 16V	2351cc	1992-on	148	1		G54B Carb & MPI	2555cc	1985-on	143	2
	4D55 Diesel	2346cc	1983-84	135	3		G54B Carb & MPI	2555cc	1986-on	143	3
	4D56 Diesel	2476cc	1986-on	136	2		4D56T Turbo Diesel	2477cc	1990-92	136	3
Pajero	4D56T Turbo Diesel	2477cc	1985-91	136	3	Trucks	6G72 V6 Belt Drive	2972cc	1990-92	149	1
	6G72 V6 Belt Drive	2972cc	1986-on	149	1		G54B Carb & MPI	2555cc	1985-on	143	2
	G54B Low Comp	2555cc	1982-on	143	1		G54B Carb & MPI	2555cc	1985-on	143	3
	4D55 Diesel	2346cc	1983-84	135	3		4D56T Turbo Diesel	2477cc	1992-on	136	3
NA	4D55T Turbo Diesel	2346cc	1980-86	136	1	Verada	6G72 V6 Belt Drive	2972cc	1992-on	149	1
	G54B Low Comp	2555cc	1983-on	143	1		4D32A	3298cc	1985-on	134	3
NB	G54B Low Comp	2555cc	1983-on	143	1	KR	4D34	3907cc	1991-on	135	1
	4D55 Diesel	2346cc	1984-85	135	3		6G72 V6 Belt Drive	2972cc	1991-94	149	2
NC	4D55T Turbo Diesel	2346cc	1984-85	136	1	KS	6G72 V6 Belt Drive	2972cc	1994-97	149	2
	G54B Low Comp	2555cc	1984-on	143	1						
ND	4D55 Diesel	2346cc	1985-86	135	3	MORRIS					
	4D56T Turbo Diesel	2477cc	1986-87	136	3						
NE	G54B Low Comp	2555cc	1984-on	143	1	Allegro	'A' series	1275cc	1967-on	153	1
	4D56T Turbo Diesel	2477cc	1986-87	136	3	Clubman	'A' series	1098cc	1969-on	152	3
NF	G54B Carb & MPI	2555cc	1987-on	143	2	Commercial	'A' series	1275cc	1967-74	153	1
	G54B Carb & MPI	2555cc	1987-on	143	2		'B' series	998cc	1970-80	152	1
NG	4D56T Turbo Diesel	2477cc	1988-on	143	2	Cooper & S	'A' series	1489cc	1959-61	153	3
	G54B Carb & MPI	2555cc	1988-on	143	3		'A' series	1071cc	1963-on	152	2
	4D56T Turbo Diesel	2477cc	1986-91	136	3		'A' series	1098cc	1961-69	152	3
NH	6G72 V6 Belt Drive	2972cc	1988-89	149	1	Major Marina	'A' series	1275cc	1963-on	153	1
	G54B Carb & MPI	2555cc	1987-on	143	2		'A' series	970cc	1963-on	151	3
	G54B Carb & MPI	2555cc	1987-on	143	3		'A' series	998cc	1961-69	152	1
Scorpion	4D56T Turbo Diesel	2477cc	1986-91	136	3	Mini	'B' series	1489cc	1959-61	153	3
	6G72 V6 Belt Drive	2972cc	1989-91	149	1		'A' series	1275cc	1967-on	153	1
	G54B Carb & MPI	2555cc	1987-on	143	2		1746	1746cc	1972-74	154	2
	G54B Carb & MPI	2555cc	1987-on	143	3		2623	2623cc	1972-74	154	3
Sigma	4D56T Turbo Diesel	2477cc	1986-91	136	3	Moke	'A' series	848cc	1956-62	151	1
	6G72 V6 Belt Drive	2972cc	1991-on	149	1		'A' series	948cc	1956-62	151	2
GJ	G54B Low Comp	2555cc	1980-on	143	1	Minor	'A' series	998cc	1961-81	152	1
	4G52 Astron Chain	1995cc	1977-79	142	1		1000	'A' series	1098cc	1968-on	152
GK	G54B Low Comp	2555cc	1982-84	143	1	Nomad	'A' series	1275cc	1967-74	153	1
	G54B Low Comp	2555cc	1982-84	143	1		1485	1485cc	1966-62	151	2
GL	G54B Low Comp	2555cc	1983-85	143	1	Oxford	'A' series	948cc	1956-62	151	2
	G32B Saturn Belt Dr	1597cc	1977-82	140	2		1100S	'B' series	1489cc	1959-61	153
GE	4G51	1855cc	1977-on	141	3	1100 & 1100S	'A' series	1071cc	1967-68	152	2
	4G52 Astron Chain	1995cc	1976-77	142	1		'A' series	1098cc	1967-68	152	3
GH	G54B Low Comp	2555cc	1974-on	143	1	2200	'A' series	1275cc	1967-68	153	1
	4G32 Chain Drive	1597cc	1977-78	140	1		'E' series	2227cc	1967-on	153	1
GJ	4G52 Astron Chain	1995cc	1976-77	142	1						
	G32B Saturn Belt Dr	1597cc	1979-82	140	2	NISSAN					
GK	G54B Low Comp	2555cc	1974-on	143	1	Bluebird	Series 1 L20B	1962cc	1977-85	164	2
	G32B Saturn Belt Dr	1597cc	1983-85	140	2		Series 11L20B	1962cc	1977-85	164	2
GL	G54B Low Comp	2555cc	1974-on	143	1		Series 111 CA20S	1974cc	1985-86	158	1
	4G52 Astron Chain	1995cc	1976-77	142	1		CA20E	1974cc	1979-85	158	2
GN	4G54 Hi Comp Chain	2555cc	1985-on	142	3		KA24DE 16V DOHC	2389cc	1993-97	162	3
	G54B Low Comp	2555cc	1978-on	143	1		L13	1296cc	1967-on	163	1
Starion Turbo	G54B Low Comp	2555cc	1974-on	143	1		L14	1428cc	1967-77	163	2
	4G32 Chain Drive	1597cc	1977-78	140	1		L16	1595cc	1967-77	163	3
Starwagon SF	4G52 Astron Chain	1995cc	1976-77	142	1						
	G32B Saturn Belt Dr	1597cc	1979-82	140	2						
SG	G54B Low Comp	2555cc	1974-on	143	1						
	4G63 Sirius ULP	1997cc	1986-90	145	3						
SH	4G64 SOHC 8 Valve	2351cc	1986-90	147	2						
	4G63 Sirius Ledged	1997cc	1990-91	145	1						
	4G64 SOHC 8 Valve	2351cc	1990-91	147	2						
	4G63 Sirius Ledged	1997cc	1991-92	145	1						
	4G63 SOHC Belt Dr	1997cc	1992-94	146	1						

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Application	Cap	Years	Pg	Col	Application	Cap	Years	Pg	Col				
Series B10	Z16	1595cc	1979-on	172	3	MQ	SD33 Diesel	3246cc	1966-73	169	1		
	Z18	1770cc	1979-on	173	1		SD33T Diesel Turbo	3246cc	1983-on	169	2		
	Z20	1952cc	1981-on	173	2		TB42S Petrol	4169cc	1987-on	170	3		
	Z22	2187cc	1982-on	174	1		TD42 Diesel	4169cc	1987-on	171	1		
	Z24	2389cc	1983-on	174	3		L28	2753cc	1983-87	166	1		
	KA24DE 16V DOHC	2389cc	1993-on	162	3		P/P40	3956cc	1980-83	166	2		
	A10	988cc	1966-on	156	1		SD33 Diesel	3246cc	1980-82	169	1		
	B120 B120	A14	1397cc	1975-77	156		3	Personal	L23	2262cc	1969-70	164	3
	Series B210	A12	1171cc	1974-on	156		2	L24	2393cc	1969-70	165	1	
		A15	1488cc	1979-on	157		1	Pintara	CA20E	1974cc	1986-88	158	2
	Caball	ED33 Diesel	3298cc	1980-on	160		1	CA24E 12 Valve	2389cc	1989-on	162	1	
		H20	1982cc	1966-81	160		3	CA24E 12 Valve	2389cc	1989-92	162	2	
	Cabstar	SD22 Diesel	2164cc	1979-82	167		3	Prairie	CA20S	1974cc	1985-87	158	1
ED33 Diesel		3298cc	1980-on	160	1	E15	1487cc	1982-85	159	1			
SD25 Diesel		2488cc	1982-83	168	2	Pulsar	1.6L FII G2 Leaded	1598cc	1987-89	155	2		
SD25 Diesel		2389cc	1987-on	168	3		1.8L FII G2 ULP	1796cc	1987-91	155	3		
TD27		2663cc	1986-on	170	2		A14	1397cc	1978-on	156	3		
Z20		1952cc	1982-87	173	3		E13	1270cc	1981-87	158	3		
Z22		2187cc	1982-87	174	1	E15	1487cc	1981-87	159	1			
Z22S		2187cc	1982-87	174	2	E15T OHC Turbo	1488cc	1984-85	159	2			
Cedric	SD20 Diesel	1991cc	1963-on	167	2	E16	1597cc	1986-87	159	3			
Cherry	A10	988cc	1971-on	156	1	GA16DE 16V DOHC	1597cc	1990-on	160	2			
Civilian	H20	1982cc	1966-82	160	3	SR20DE	1998cc	1990-on	169	3			
	SD22 Diesel	2164cc	1980-on	167	3	GA16DE 16V DOHC	1597cc	1990-on	160	2			
Clipper	H20	1982cc	1966-82	160	3	Serena	GA16DE 16V DOHC	1597cc	1990-on	160	2		
	SD22 Diesel	2164cc	1980-on	167	3	SR20DE	1998cc	1990-on	169	3			
Commercial	ED33 Diesel	3298cc	1980-on	160	1	Skyline	L18	1770cc	1979-on	164	1		
	L13	1296cc	1967-on	163	1		L20B	1962cc	1977-on	164	2		
	L14	1428cc	1967-77	163	2		L24	2393cc	1969-82	165	1		
	P/P40	3956cc	1960-80	166	2		L24E EFI	2353cc	1982-86	165	2		
	SD20 Diesel	1991cc	1963-80	167	2	RB30E	2962cc	1986-90	167	1			
	SD22 Diesel	2164cc	1979-on	156	3	Z16	1595cc	1979-on	172	3			
	SD23 Diesel	2289cc	1981-83	168	1	Z18	1770cc	1979-on	173	1			
	SD25 Diesel	2488cc	1981-83	168	2	Z20	1952cc	1981-on	173	2			
	SD33 Diesel	3246cc	1967-73	169	1	Z22	2187cc	1982-on	174	1			
	SD33T Diesel Turbo	3246cc	1983-on	169	2	Z24	2389cc	1983-on	174	3			
	U20	1982cc	1967-on	171	2	Stanza	A14	1397cc	1977-81	156	3		
	ED33 Diesel	3298cc	1980-on	160	1		L16	1595cc	1967-83	163	3		
	A12	1171cc	1980-84	156	2		Z16	1595cc	1979-on	172	3		
	CA16DE DOHC 16V	1598cc	1987-87	157	2		Z18	1770cc	1979-on	173	1		
	CA18DE DOHC 16V	1809cc	1988-92	157	3	Sunny	A10	988cc	1966-72	156	1		
	E15T OHC Turbo	1488cc	1984-85	159	2		A12	1171cc	1970-73	156	2		
	SR20DE	1998cc	1991-on	169	3		A14	1397cc	1978-80	156	3		
	H20	1982cc	1977-80	160	3		A15	1488cc	1978-on	157	1		
	E23 Van	J16	1567cc	1974-76	161	3	E13	1270cc	1981-on	158	3		
		J16	1567cc	1976-81	161	3	E15	1487cc	1981-on	159	1		
	Fairlady	H20	1982cc	1967-on	160	3	Super Six	L23	2262cc	1967-69	164	3	
		U20	1982cc	1967-on	171	2		L24	2393cc	1969-80	165	1	
	Forklift	SD22 Diesel	2164cc	1980-88	167	3	Urvan	H20	1982cc	1981-82	160	3	
		Gazelle	CA20E	1974cc	1983-88	158		J16	1567cc	1980-82	161	3	
Homer	H20	1982cc	1976-81	160	3	SD22 Diesel	2164cc	1979-82	167	3			
	J15	1483cc	1972-74	161	2	SD23 Diesel	2289cc	1983-88	168	1			
	J16	1567cc	1974-76	161	3	TD27	2663cc	1987-92	170	2			
	R	1595cc	1968-72	166	3	Z20	1952cc	1982-86	173	3			
	SD22 Diesel	2164cc	1978-82	167	3	Z24	2389cc	1987-92	174	3			
	L18	1770cc	1972-82	164	1	Vanette	A12	1171cc	1967-81	156	2		
	Z22	2187cc	1983-85	174	1		A15	1488cc	1980-81	157	1		
	VG30I SOHC V6	2960cc	1990-95	172	1		Z20	1952cc	1986-87	173	3		
VG30E DOHC V6	2960cc	1995-on	172	2	Z24		2389cc	1986-on	174	3			
Maxima	SD25 Diesel	2488cc	1983-85	168	2	1000	A10	988cc	1966-72	156	1		
	SD25 Diesel	2389cc	1987-on	168	3	120Y	A12	1171cc	1970-81	156	2		
Navara 4WD	TD25	2494cc	1987-on	170	1	1200	A12	1171cc	1970-73	156	2		
	TD27	2663cc	1988-92	170	2	1300	J13	1299cc	1970-on	161	1		
	VG30I SOHC V6	2960cc	1992-on	172	1	L13	1296cc	1967-77	163	1			
	Z20	1952cc	1982-on	173	2	L14	1428cc	1967-77	163	2			
	Z20	1952cc	1986-on	173	3	1500	J15	1483cc	1970-on	161	2		
	Z24	2389cc	1986-92	174	3	1600	L16	1595cc	1967-72	163	3		
	Z24	2389cc	1986-92	174	3	180B	L18	1770cc	1972-77	164	1		
	Nomad	SR20DE	1998cc	1990-on	169	3	200B	L20B	1962cc	1977-81	164	2	
	NX Coupe	4.1L Unleaded	250ci	1988-90	155	1	200SX	Z22	2187cc	1981-on	174	1	
	NXF Ute	VG30I SOHC V6	2960cc	1992-95	172	1	2000 Sport	U20	1982cc	1967-70	171	2	
	Patfinder	Z24	2389cc	1986-on	174	3	240C/Z/X	L24	2393cc	1971-80	165	1	
		L28	2753cc	1987-on	166	1	260C;260Z	L26	2565cc	1973-80	165	3	
P/P40		3956cc	1960-80	166	2	280C;280Z	L28	2753cc	1978-83	166	1		
RB30E		2962cc	1990-92	167	1	280ZX	L28	2753cc	1987-on	166	1		
SD23 Diesel		2289cc	1982-88	168	1	300C	VG30E SOHC V6	2960cc	1984-88	171	3		
SD25 Diesel		2488cc	1982-83	168	2	300ZX	VG30E SOHC V6	2960cc	1986-87	171	3		
						VG30E DOHC V6	2960cc	1989-96	172	2			

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Series 411	J13	1299cc	1965-70	PERKINS				
510	L16	1595cc	1968-72					
	Z20	1952cc	1981-on					
520	J13	1299cc	1965-70	Commercial	4.212 Diesel	3470cc	1963-on	178 1
	J15	1483cc	1969-79		4.236 Diesel	3860cc	1963-on	178 2
521	J15	1483cc	1970-81		6.354 Diesel	5800cc	1965-on	178 3
	J16	1567cc	1970-81					
	L16	1595cc	1967-77					
	L18	1770cc	1979-on					
610	L16	1595cc	1979-on	RENAULT				
	L18	1770cc	1979-on					
	L20B	1962cc	1977-85	R10	1251	1251cc	1971-75	179 1
620	J13	1299cc	1965-75	R1151	807	1564cc	1968-76	179 2
	J15	1483cc	1969-79	R1152	807	1564cc	1968-76	179 2
	L16	1595cc	1979-on	R1154	807	1564cc	1968-76	179 2
	L18	1770cc	1979-on	R12	807	1564cc	1968-76	179 2
	L20B	1962cc	1977-85		810	1289cc	1969-76	179 3
710	L18	1770cc	1979-on	R1302	807	1564cc	1968-76	179 2
	L20B	1962cc	1977-85	R1312	807	1564cc	1968-76	179 2
720	L18	1770cc	1979-on	R1322	807	1564cc	1968-76	179 2
	L20B	1962cc	1974-85	R15	807	1564cc	1968-76	179 2
	SD22 Diesel	2164cc	1963-80	R16	697.01	1470cc	1965-on	179 2
	SD23 Diesel	2289cc	1982-83		807	1564cc	1968-76	179 2
	SD25 Diesel	2488cc	1982-83	R17TS	807	1564cc	1968-76	179 2
	SD25 Diesel	2389cc	1985-88					
	Z20	1952cc	1982-on	ROVER				
	Z22	2187cc	1982-87					
	Z22S	2187cc	1982-87	Land Rover	2.25L	2250cc	1962-81	180 2
	Z24	2389cc	1981-on		2.25L Petrol	2286cc	1962-85	180 3
810	L20B	1962cc	1977-85		2.25L Diesel	2286cc	1962-81	181 1
OPEL					2.6L	2625cc	1963-on	181 2
Ascona	1.6L FII G1 Leaded	1598cc	1981-on		3.0L	2995cc	1963-on	181 3
	1.8L FII G1 Leaded	1796cc	1982-on	Landrover 110	2.25L	2250cc	1984-86	180 2
	1.8L FII G1 ULP	1796cc	1986-on	111	2.25L Petrol	2286cc	1972-84	180 3
	C18SE 10.0:1	1796cc	1994-on		2.25L Diesel	2286cc	1972-84	181 1
Astra	X1.6XE	1598cc	1994-on		2.6L	2625cc	1965-84	181 2
	X18 XE	1796cc	1998-on		3.5L	3528cc	1980-84	182 1
Barina	C14 NZ	1389cc	1994-97	Load Carrier	2.25L Petrol	2286cc	1962-85	180 3
Calibra	C20L SOHC 8.8:1	1998cc	1991-on		2.25L Diesel	2286cc	1962-81	181 1
	C20NE SOHC 9.2:1	1998cc	1991-on	Quintet	EP OHC	1601cc	1978-on	180 1
	C20SE 10.0:1	1998cc	1993-on	Range Rover 3.5	3.5L	3528cc	1972-88	182 1
	2.0 XEV 161	1998cc	1987-on	3.9	2.25L	2250cc	1980-86	180 2
YE	2.0 FII ULP	1998cc	1987-on	Range Rover	3.5L	3528cc	1970-on	182 1
	X20 XEV	1998cc	1994-on		3528 Carb	3528cc	1972-79	182 2
Corsa	X1.4XE	1389cc	1993-on	Series 2	2.25L	2250cc	1961-on	180 2
	X1.6XE	1598cc	1994-on		2.25L Petrol	2286cc	1962-85	180 3
Coupe	TL70	993cc	1962-on		2.25L Diesel	2286cc	1962-81	181 1
Kadett	1.6L FII G1 Leaded	1598cc	1981-on	III	2.25L Petrol	2286cc	1962-85	180 3
	1.8L FII G1 Leaded	1796cc	1982-on		2.25L Diesel	2286cc	1962-81	181 1
	1.8L FII G1 ULP	1796cc	1986-on		2.6L	2625cc	1971-on	181 2
	C18 SE 10.0:1	1796cc	1994-on		3.0L	2995cc	1971-on	181 3
	C20L SOHC 8.8:1	1998cc	1986-91	100	2.6L	2625cc	1959-62	181 2
	C20NE SOHC 9.2:1	1998cc	1991-on	109	2.25L Petrol	2286cc	1962-85	180 3
	C20SE 10.0:1	1998cc	1993-on		2.25L Diesel	2286cc	1962-81	181 1
	2.0 FII ULP	1998cc	1987-on		2.6L	2625cc	1963-on	181 2
	2.0 XEV 16V	1998cc	1987-on		3.0L	2995cc	1963-on	181 3
Manta	1.6L FII G1 Leaded	1598cc	1981-on	110	2.25L Petrol	2286cc	1962-85	180 3
	1.8L FII G1 Leaded	1796cc	1982-on		2.25L Diesel	2286cc	1962-81	181 1
	1.8L FII G1 ULP	1796cc	1986-on		2.6L	2625cc	1963-on	181 2
Omega	C18 SE 10.0:1	1796cc	1994-on		3.0L	2995cc	1963-on	181 3
	C20NE SOHC 9.2:1	1998cc	1991-on	3Litre	3.0L	2995cc	1963-65	181 3
	C20SE 10.0:1	1998cc	1993-on	3500	3.5L	3528cc	1967-on	182 1
	C20 XEV	1998cc	1994-on	80	2.25L Petrol	2286cc	1962-85	180 3
	2.0 FII ULP	1998cc	1987-on		2.25L Diesel	2286cc	1962-81	181 1
Tigra	X1.4XE	1389cc	1993-on	95	2.6L	2625cc	1959-62	181 2
	X1.6XE	1598cc	1994-on		3.0L	2995cc	1963-65	181 3
Vectra	C20NE SOHC 9.2:1	1998cc	1991-on	SUBARU				
	C20SE 10.0:1	1998cc	1993-on					
	X1.6XE	1598cc	1994-on	Brumby 4WD	Brumby EA82	1781cc	1984-92	184 1
	X1.8XE	1798cc	1998-on	Elf	EA81	1781cc	1979-on	183 3
	2.0 SEV 16V	1998cc	1987-on	Leone 4WD	EA63	1361cc	1970-79	183 1
	X2.0XEV	1998cc	1994-on		EA71	1595cc	1979-81	183 2
	2.0 FII ULP	1998cc	1987-on		EA81	1781cc	1979-85	183 3
Frontier AHT	2.0 FII ULP	1998cc	1987-on		EA82	1781cc	1984-92	184 1

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col	
Liberty	EJ220	2212cc	1989-on	184	3		21R	1972cc	1978-83	212	2	
Vortex	EA82 OHC Turbo	1781cc	1986-89	185	1		22R	2366cc	1981-on	212	3	
1300	EA71	1595cc	1969-78	183	2		22R OHC	2367cc	1984-85	213	1	
1400	EA63	1361cc	1970-79	183	1		3SFE 16V DOHC	1998cc	1985-on	214	2	
1600	EA71	1595cc	1975-78	183	2		3SGE DOHC	1998cc	1985-89	214	3	
1800	EA81	1781cc	1980-84	183	3		3T	1770cc	1979-82	216	1	
	EA82	1781cc	1984-86	184	1		4AGZE DOHC	1587cc	1987-on	194	3	
	EA82 non EFI	1781cc	1988-on	184	2		5M, 5ME	2759cc	1981-88	207	2	
SUZUKI												
Alto	F8A	797cc	1981-86	186	2		5MGE DOHC	2759cc	1981-83	207	3	
Baleno	G16B 16V EFI SOHC	1590cc	1991-on	189	3		5SFE DOHC 16V	2164cc	1989-on	215	1	
Carry	F8A	797cc	1979-85	186	2		1S	1832cc	1981-on	213	2	
Cervo	F10A	970cc	1981-85	187	1		BDiesel	2977cc	1972-80	196	1	
DA21	F10A	970cc	1985-90	187	1		1HDT Diesel	4164cc	1988-on	200	2	
Fronte	F5AT	543cc	1979-on	186	1		1HZ Diesel	4164cc	1988-on	200	3	
Hatch	F10A	970cc	1982-on	187	1		12HT Turbo Diesel	3980cc	1984-85	201	3	
	F5AT	543cc	1979-on	186	1		13B Diesel	3431cc	1987-on	197	2	
	F8A	797cc	1978-on	186	2		2B Diesel	3168cc	1977-83	196	2	
	F8B	797cc	1977-91	186	3		2H Diesel	3980cc	1987-on	201	2	
Jimmy	F10A	970cc	1981-85	187	1		20R	2189cc	1973-82	212	1	
Series 80	F8A	797cc	1977-81	186	2		21R	1972cc	1981-82	212	2	
81	F8A	797cc	1977-81	186	2		22R	2366cc	1981-83	212	3	
Mighty Boy	F5AT	543cc	1979-on	186	1		22R OHC	2367cc	1983-on	213	1	
Sierra	F10A	970cc	1981-89	187	1		3B Diesel	3431cc	1981-87	196	3	
	F8A	797cc	1979-84	186	2		5R	1994cc	1968-70	209	2	
	G10A	993cc	1988-on	187	3	BB	2B Diesel	3168cc	1982-84	196	2	
	G13A	1324cc	1984-89	188	1		3B Diesel	3431cc	1982-87	196	3	
Carry Van	G13B SOHC	1298cc	1989-91	188	3	HB	2H Diesel	3980cc	1982-87	201	2	
ST80	SK413 F10A	970cc	1985-90	187	1	RB	20R	2189cc	1977-83	212	1	
	F8A	797cc	1977-85	186	2		22R OHC	2367cc	1983-on	213	1	
	F8B	797cc	1977-91	186	3	Corolla	K	1077cc	1966-70	202	1	
ST90	F8A	797cc	1977-85	186	2		1A, 1AC	1452cc	1978-on	191	2	
Swift	G10	993cc	1984-84	187	2		2A, 2ALC	1298cc	1985-89	191	3	
	G10T Turbo	993cc	1985-on	188	1		2T	1588cc	1970-on	215	2	
	G13A	1324cc	1984-84	188	2		20R	2189cc	1973-82	212	1	
	G13B SOHC	1298cc	1984-88	188	3		21R	1972cc	1978-on	212	2	
	G13B DOHC	1298cc	1989-91	189	1		3AC	1453cc	1980-88	192	1	
Vitara	G16B 16V EFI SOHC	1590cc	1989-95	189	3		3E	1456cc	1987-on	198	2	
	G16A SOHC	1590cc	1988-on	189	2		3K	1166cc	1970-83	202	2	
180	F8A	797cc	1977-81	186	3		3T	1770cc	1979-83	216	1	
181	F8A	797cc	1977-81	186	2		4A, 4AC, 4ALC	1587cc	1983-84	192	2	
2240	F10A	970cc	1982-on	187	1		4AFC DOHC 16V	1587cc	1989-92	192	3	
Series 40	F10A	970cc	1982-on	187	1		4AFE DOHC 16V	1587cc	1991-on	193	1	
	F5AT	543cc	1979-on	186	1		4AFE DOHC 16V	1587cc	1992-on	193	2	
	F8A	797cc	1978-on	186	2		4AGE DOHC	1587cc	1986-89	193	3	
410	F10A	970cc	1982-on	187	1		4AGE DOHC	1587cc	1989-91	194	2	
86	F8A	797cc	1977-81	186	2		4AGE DOHC	1587cc	1986-89	194	1	
TOYOTA												
Avante	2S Carb & EFI	1995cc	1983-on	213	3		4AGZE DOHC	1587cc	1987-on	194	3	
	22R OHC	2367cc	1984-87	213	1		4K	1290cc	1978-85	202	3	
Blizzard	LDiesel	2188cc	1979-82	203	3		5K	1486cc	1983-on	203	1	
Bundera	2L Diesel	2446cc	1986-91	204	1		5K	1486cc	1984-on	203	2	
	22R OHC	2367cc	1985-91	213	1		6A, 6AFC	1397cc	1989-on	195	2	
Camry	1S	1832cc	1987-89	213	2		7A, 7AFE DOHC 16V	1762cc	1994-on	195	3	
	2S Carb & EFI	1995cc	1983-85	213	3	Corolla	4A, 4AC, 4ALC	1587cc	1985-85	192	2	
	2VZFE V6 24 Valve	2507cc	1988-91	216	2		2A, 2ALC	1298cc	1985-89	191	3	
	21R	1972cc	1981-on	212	2		AE101	4AFE DOHC 16V	1587cc	1994-on	193	1
	3SFC 16V DOHC	1998cc	1985-on	214	1		AE102	7A, 7AFE DOHC 16V	1762cc	1992-94	195	3
	3SFE 16V DOHC	1998cc	1987-93	214	2		4ALC OHC	1587cc	1985-88	195	1	
	3VZFE DOHC 24V	2958cc	1993-on	217	1		4AFC DOHC 16V	1587cc	1989-91	192	3	
	5SFE DOHC 16 V	2164cc	1993-on	215	1		4AFE DOHC 16V	1587cc	1989-94	193	2	
Carina	1A, 1AC	1452cc	1978-on	191	2		4AFE DOHC 16V	1587cc	1989-94	192	3	
	1S	1832cc	1981-on	213	2	AE95	4AFC DOHC 16V	1587cc	1989-94	193	2	
	2T	1588cc	1970-on	215	2		4AFE DOHC 16V	1587cc	1989-94	193	2	
	3E	1456cc	1988-on	198	2	Corona	1.9L Starfire	1891cc	1979-on	190	1	
	4A, 4AC, 4ALC	1587cc	1983-on	192	2		1S	1832cc	1982-on	213	2	
Celica	1S	1832cc	1981-on	213	2		12R	1587cc	1971-74	210	3	
	18R	1968cc	1972-82	211	2		16R	1808cc	1968-on	211	1	
	2S Carb & EFI	1995cc	1983-84	213	3		18R	1968cc	1968-83	211	2	
	2T	1588cc	1971-80	215	2		2M	2253cc	1972-75	206	1	
	20R	2189cc	1973-82	212	1		2R	1490cc	1964-70	208	2	
							2S Carb & EFI	1995cc	1983-85	213	3	
							20R	2189cc	1973-82	212	1	
							21R	1972cc	1978-83	212	2	
							22R	2366cc	1981-on	212	3	
							22R OHC	2367cc	1985-87	213	1	
							4AGZE DOHC	1587cc	1987-on	194	3	
							4M	2563cc	1976-77	206	3	
							5K	1486cc	1983-on	203	1	
							5K	1486cc	1986-88	203	2	
							6R	1707cc	1968-on	209	3	

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col	
Avante	7R	1591cc	1968-75	210	1	LN	2L Diesel	2446cc	1984-89	204	1	
	8R	1858cc	1968-81	210	2		2LT	2446cc	1983-on	204	3	
	2S Carb & EFI	1995cc	1984-87	213	3		2LT	2446cc	1988-on	205	1	
	22R OHC	2367cc	1984-87	213	1		2R	1490cc	1964-71	208	2	
	1900 1.9L Starfire	1891cc	1979-83	190	1		2Y	1812cc	1982-85	217	3	
	2000 M	1988cc	1972-74	205	3		20R	2189cc	1973-82	212	1	
	18R	1968cc	1972-77	211	2		21R	1972cc	1978-on	212	2	
	21R	1972cc	1982-83	212	2		22R OHC	2367cc	1988-93	213	1	
	2300 2M	2253cc	1972-74	206	1		3L Diesel	2780cc	1988-on	205	2	
	2400 22R OHC	2367cc	1984-87	213	1		3VZE V6 SOHC 12V	2959cc	1988-on	216	3	
2600 4M	2563cc	1976-77	206	3	3Y	1998cc	1982-85	218	1			
RT104 18R	1968cc	1969-81	211	2	4Y	2237cc	1986-91	218	2			
Corsa	ST141 2S Carb & EFI	1995cc	1983-87	213	3	8R	1858cc	1988-81	210	2		
	1A, 1AC	1452cc	1978-79	191	2	2L Diesel	2446cc	1983-84	204	1		
	3AC	1453cc	1980-88	192	1	3L Diesel	2780cc	1988-90	205	2		
Cressida	20R	2189cc	1973-82	212	1	3Y	1998cc	1983-84	218	1		
	21R	1972cc	1978-on	212	2	RN	12R	1957cc	1975-78	210	3	
	4M	2563cc	1976-77	206	3	18R	1968cc	1978-79	211	2		
	4M	2563cc	1977-83	207	1	2R	1490cc	1968-71	208	2		
	5M, 5ME	2759cc	1980-85	207	2	22R OHC	2367cc	1988-90	213	1		
	5MGE DOHC	2759cc	1986-88	207	3	YN	1Y	1626cc	1983-85	217	2	
	7MGE	2954cc	1989-92	208	1	2Y	1812cc	1988-90	217	3		
Cresta	2S Carb & EFI	1995cc	1982-on	213	3	3Y	1998cc	1983-85	218	1		
	M	1988cc	1966-75	205	3	4Y	2237cc	1988-90	218	2		
Crown	2M	2253cc	1966-75	206	1	Landcruiser	BJ B Diesel	2977cc	1977-80	196	1	
	2R	1490cc	1963-68	208	2	3B Diesel	3431cc	1977-80	196	3		
	3M	1988cc	1965-84	206	2	FJ	F	3878cc	1969-75	198	3	
	3R	1897cc	1960-69	209	1	2F	4230cc	1980-85	199	1		
	4M	2563cc	1971-78	206	3	3F	3955cc	1985-88	199	2		
	4M	2563cc	1977-83	207	1	HJ	H Diesel	3576cc	1975-80	200	1	
	5M, 5ME	2759cc	1980-85	207	2	2H Diesel	3980cc	1980-85	201	1		
	5MGE DOHC	2759cc	1985-88	207	3	B Diesel	2977cc	1977-80	196	1		
	5R	1994cc	1968-70	209	2	F	3878cc	1954-75	198	3		
	7MGE	2954cc	1984-86	208	1	H Diesel	3576cc	1972-81	200	1		
Dyna	B Diesel	2977cc	1972-80	196	1	1FZFE	4476cc	1993-on	218	3		
	H Diesel	3576cc	1972-80	200	1	1HDT Diesel	4164cc	1988-on	200	2		
	13B Diesel	3431cc	1984-on	197	2	1HZ Diesel	4164cc	1988-on	200	3		
	2B Diesel	3168cc	1977-83	196	2	12HT Turbo Diesel	3980cc	1984-85	201	3		
	2H Diesel	3980cc	1970-84	201	1	13B Diesel	3431cc	1987-on	197	2		
	2L Diesel	2446cc	1983-85	204	1	2B Diesel	3168cc	1977-84	196	2		
	2Y	1812cc	1985-88	217	3	2F	4230cc	1975-84	199	1		
	3B Diesel	3431cc	1981-87	196	3	2H Diesel	3980cc	1980-84	201	1		
	3B Diesel	3431cc	1987-on	197	1	2H Diesel	3980cc	1984-91	201	2		
	3L Diesel	2780cc	1988-on	205	2	2L Diesel	2446cc	1984-89	204	1		
	3R	1897cc	1960-69	209	1	2L Diesel	2446cc	1988-on	204	2		
	3Y	1998cc	1985-88	218	1	2LT	2446cc	1988-on	205	1		
	4Y	2237cc	1987-89	218	2	3B Diesel	3431cc	1980-84	196	3		
	5R	1994cc	1968-70	209	2	3F	3955cc	1984-88	199	2		
	BU	3B Diesel	3431cc	1982-84	196	3	3FE	3955cc	1988-on	199	3	
Hi-Ace-SBV	5R	1994cc	1977-84	209	2	Lexcen	3.8L V6	3794cc	1988-94	190	2	
	L Diesel	2188cc	1979-84	203	3	3.8L V6	3794cc	1994-95	190	3		
	1Y	1626cc	1982-85	217	2	3.8L V6	3794cc	1995-on	191	1		
	12R	1587cc	1971-75	210	3	Lexus	2VZFE V6 24V	2507cc	1988-on	216	2	
	18R	1968cc	1972-77	211	2	3VZFE DOHC 24V	2958cc	1992-on	217	1		
	18RG	1968cc	1977-on	211	3	Lifback	3T	1770cc	1979-83	216	1	
	2L Diesel	2446cc	1984-89	204	1	Lite Ace	1C	1839cc	1982-85	198	1	
	2L Diesel	2446cc	1988-on	204	2	1Y	1626cc	1983-on	217	2		
	2LT	2446cc	1983-on	204	3	2Y	1812cc	1983-88	217	3		
	2LT	2446cc	1988-on	205	1	3K	1166cc	1970-84	202	2		
	2R	1490cc	1964-71	208	2	3Y	1998cc	1983-85	218	1		
	2RZ, 2RZ-E	2438cc	1989-on	208	3	4K	1290cc	1978-85	202	3		
	2Y	1812cc	1982-85	217	3	4Y	2237cc	1985-87	218	2		
	21R	1972cc	1981-83	212	2	5K	1486cc	1985-89	203	1		
	3Y	1998cc	1983-85	218	1	KM	5K	1486cc	1988-89	203	2	
4Y	2237cc	1986-89	218	2	TM	4K	1290cc	1979-83	202	3		
Hi-Ace	LH	L Diesel	2188cc	1979-82	203	3	YM	2Y	1812cc	1983-85	217	3
		2L Diesel	2446cc	1983-84	204	1	3Y	1998cc	1986-88	218	1	
	RH	12R	1587cc	1971-82	210	3	MR2	3SGE DOHC	1998cc	1990-93	214	3
YH	18R	1968cc	1977-82	211	2	4AGE DOHC	1587cc	1987-90	193	3		
	2R	1490cc	1968-74	208	2	4AGE DOHC	1587cc	1987-90	194	1		
	2Y	1812cc	1987-88	217	3	MX73	5M, 5ME	2759cc	1985-87	207	2	
Hi-Lux	3Y	1998cc	1983-84	218	1	5MGE DOHC	2759cc	1985-88	207	3		
	4Y	2237cc	1988-89	218	2	Rav 4	3SFE 16V DOHC	1998cc	1994-on	214	2	
	L Diesel	2188cc	1979-88	203	3	Sprinter	1A, 1AC	1452cc	1978-on	191	2	
	1RZ-E	1998cc	1997-on	208	2	2T	1588cc	1970-on	215	2		
	1Y	1626cc	1982-85	217	2	3AC	1453cc	1980-88	192	1		
	12R	1587cc	1971-75	210	3	3E	1456cc	1987-on	198	2		
18R	1968cc	1972-77	211	2	4A, 4AC, 4ALC	1587cc	1983-on	192	2			

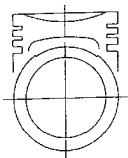
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Application		Cap	Years	Pg Col	Application	Cap	Years	Pg Col
Starlet	M	1988cc	1966-69	205 3				
Stout	3R	1897cc	1963-68	209 1				
	5R	1994cc	1968-70	209 2				
Supra	5M, 5ME	2759cc	1980-85	207 2				
	7MGE	2954cc	1986-on	208 1				
Tarago	1Y	1626cc	1982-85	217 2				
	2TZFE L4 DOHC 16V	2438cc	1990-on	215 3				
	2Y	1812cc	1983-85	217 3				
	3Y	1998cc	1983-85	218 1				
	4Y	2237cc	1986-90	218 2				
Tercel	1A, 1AC	1452cc	1978-79	191 2				
	3AC	1453cc	1984-on	192 1				
	3E	1456cc	1987-on	198 2				
Town Ace	1Y	1626cc	1983-on	217 2				
	2Y	1812cc	1983-on	217 3				
	3Y	1998cc	1983-on	218 1				
	4Y	2237cc	1986-on	218 2				
Toyo Ace	L Diesel	2188cc	1981-83	203 3				
	12R	1587cc	1967-on	210 3				
	14B	3660cc	1988-on	197 3				
	2L Diesel	2446cc	1984-89	204 1				
	2L Diesel	2446cc	1988-on	204 2				
	2R	1490cc	1964-71	208 2				
	3L Diesel	2780cc	1988-on	205 2				
	5R	1994cc	1971-83	209 2				
	LY L Diesel	2188cc	1982-87	203 3				
	RY 5R	1994cc	1980-85	209 2				
	YY 5R	1994cc	1985-87	209 2				
T18-SE	3T	1770cc	1980-83	216 1				
1500	2R	1490cc	1964-70	208 2				
	3AC	1453cc	1980-88	192 1				
4-Runner	2L Diesel	2446cc	1984-88	204 1				
	3L Diesel	2780cc	1988-on	205 2				
	3VZE V6 SOHC 12V	2959cc	1990-92	216 3				
	3Y	1998cc	1984-85	218 1				
	4Y	2237cc	1985-88	218 2				
TRIUMPH								
Acclaim	EN	1335cc	1981-on	219 1				
Dolomite	1998	1998cc	1975-81	220 1				
GT6	2498	2498cc	1967-75	220 2				
Renown	1670	1670cc	1947-63	220 3				
Roadster	1670	1670cc	1947-63	220 3				
Spitfire	1296	1296cc	1970-on	219 2				
	1493	1493cc	1970-81	219 3				
Toledo	1296	1296cc	1970-on	219 2				
	1493	1493cc	1970-81	219 3				
	2498	2498cc	1967-on	220 2				
TR7	1998	1998cc	1975-83	220 1				
1300	1296	1296cc	1970-on	219 2				
1500	1493	1493cc	1970-81	219 3				
2.5PI	2498	2498cc	1967-75	220 2				
2000	1998	1998cc	1971-75	220 1				
	1998	1998cc	1971-75	220 1				
	2498	2498cc	1967-75	220 2				
VICTA								
Victa Mower		160cc		221 1				
VOLVO								
122	B20.A.B.E.F	1986cc	1969-74	222 1				
142	B20.A.B.E.F	1986cc	1969-75	222 1				
144	B20.A.B.E.F	1986cc	1973-81	222 1				
145	B20.A.B.E.F	1986cc	1973-81	222 1				
	B30A.E	2979cc	1973-77	222 2				
164	B30A.E	2979cc	1968-74	222 2				
	E B30A.E	2979cc	1968-74	222 2				
240	240 B20.A.B.E.F	1986cc	1973-81	222 1				



848cc Countryman; Mini Matic, MKI, MKII, Van; Moke Leyland 'A' series	948cc A35; A40; Farina Leyland 'A' series	970cc Mini Cooper, Cooper 'S' Leyland 'A' series
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YEARS	NO. OF CYLS	1959-75	4	1957-62	4	1963-on	4	
BORE & STROKE	(MM)	62.940	68.260	62.940	76.200	70.612	61.925	
	(IN)	2.4779	2.6874	2.4779	3.0000	2.7800	2.4380	
PISTON HEAD TYPE				6				
PISTON ASSEMBLY KIT				4MKRY2259				
SIZES				030/040				
CLEARANCE & POSITION (From crown)				.0020 @ .96				
COMP HEIGHT	PIN DIA.			1.32				.625
LOCKING DEVICE				AC				
RING GROOVE WIDTHS				.070 .070 .070 .156				
CYLINDER SLEEVE/ASSEMBLY					2750B			
RING SET		C1217		C1217		C1553		
SIZES		030/040		030/040		040		
WIDTHS		.070 .070 .156		.070 .070 .156		.047 .047 .047 .156		
		C981⁽¹⁾		C981⁽¹⁾				
		STD		STD				
		.070 .070 .070 .126		.070 .070 .070 .126				

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C981 original piston only.

Austin



998cc Mini Clubman, Cooper, MKII, 1000; Moke Leyland 'A' series	1071cc Mini Cooper, Cooper 'S' Leyland 'A' series	1098cc A40; Moke; Princess; Vanden Plas; 1100 MKII Leyland 'A' series
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YEARS	NO. OF CYLS	1961-81	4	1963-72	4	1962-69	4
BORE & STROKE	(MM)	64.579	76.200	70.640	61.910	64.579	83.820
	(IN)	2.5425	3.0000	2.7811	2.4374	2.5425	3.3000
PISTON HEAD TYPE		6				6	
PISTON ASSEMBLY KIT		4KRY2715				4KRY2714	
Sizes		040/060				STD/020/040/060	
		4MKRY2715					
		STD/040/060					
CLEARANCE & POSITION		.0015 @ .93				.0010 @ .81	
(From crown)							
COMP HEIGHT	PIN DIA.	1.32	.625			1.17	.625
LOCKING DEVICE		CC				CC	
RING GROOVE WIDTHS		.062 .062 .062 .125				.062 .062 .062 .125	
CYLINDER SLEEVE/ASSEMBLY		2543B		2750B		2543B	
RING SET		M1145		C1251		M1145	
Sizes		STD/020/030/040/060		STD/020/040/060		STD/020/030/040/060	
Widths		.062 .062 .062 .125		.062 .062 .062 .156		.062 .062 .062 .125	
		PS1145		C1553		M1259	
		STD/020/040/060		040		STD/020/040	
		.062 .062 .062 .125		.047 .047 .047 .156		.062 .078 .156	
				PS1251		PS1145	
				STD/020/040/060		STD/020/040/060	
				.062 .062 .062 .156		.062 .062 .062 .125	

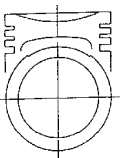
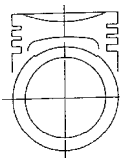
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1098cc A40: Moke; Princess; 1100, MKII Leyland 'A' series	1489cc A50: A55; Cambridge; J4; Lancer Series II Leyland 'B' series	1798cc 1800, MKI, MKII, S Leyland 'B' series
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YEARS	NO. OF CYLS	1969-81	4	1954-59	4	1964-78	4
BORE & STROKE	(MM)	64.592	83.738	73.025	88.900	80.251	88.900
	(IN)	2.5429	3.2967	2.8750	3.5000	3.1595	3.5000
PISTON HEAD TYPE		6 				6 	
PISTON ASSEMBLY KIT Sizes		4MKRY2717 040/060				4MKRY2711 STD/020/040/060	
CLEARANCE & POSITION (From crown)		.0010 @ .78				.0015 @ 1.15	
COMP HEIGHT	PIN DIA.	1.17	.625			1.64	.813
LOCKING DEVICE		CC				SC	
RING GROOVE WIDTHS		.062 .078 .156				.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		2543B		2875A 2875B			
RING SET Sizes Widths		M1145 STD/020/030/040/060 .062 .062 .062 .125		C1361 STD .078 .078 .156		M1432 STD/040 .062 .062 .156	
		M1259 STD/020/040 .062 .078 .156				PS1432 STD/020 .062 .062 .156	
		PS1145 STD/020/040/060 .062 .062 .062 .125					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Austin Healey



1275cc Sprite MKIV, MKV Leyland 'A' series		
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YEARS	NO. OF CYLS	1967-74	4		
BORE & STROKE	(MM)	70.612	81.280		
	(IN)	2.7800	3.2000		
PISTON HEAD TYPE	22				
PISTON ASSEMBLY KIT Sizes	4KRY2272 STD/020/040/060 4MKRY2272 STD/020/040/060				
CLEARANCE & POSITION (From crown)		.0015 @ 1.00			
COMP HEIGHT	PIN DIA.	1.47	.813		
LOCKING DEVICE	AC				
RING GROOVE WIDTHS	.062 .062 .062 .156				
CYLINDER SLEEVE/ASSEMBLY	2750B				
RING SET Sizes Widths	C1251 STD/020/040/060 .062 .062 .062 .156		PS1251 STD/020/040/060 .062 .062 .062 .156		

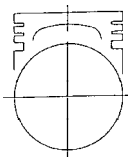
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1159cc Van 8CWT Holden 1159	1256cc Chevanne Van Holden 1256	1599cc Series CF Holden 1599
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YEARS	NO. OF CYLS	1966-71	4	1972-77	4	1972-73	4
BORE & STROKE	(MM)	77.749	60.960	80.950	60.960	85.725	69.240
	(IN)	3.0610	2.4000	3.1870	2.4000	3.3750	2.7260
PISTON HEAD TYPE				1			
PISTON ASSEMBLY KIT Sizes				 4KRY2766 020/040/060 4MKRY2766 020/040/060			
CLEARANCE & POSITION (From crown)				.0015 @ .984			
COMP HEIGHT	PIN DIA.			1.484	.787		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				.078 .078 .187			
CYLINDER SLEEVE/ASSEMBLY		3062B		3188A 3188B			
RING SET Sizes Widths		C1253 STD/020/040/060 .078 .078 .187		C1462 STD/020/040/060 .078 .078 .187 PS1462 STD/020/040 .078 .078 .187		C1410 STD 2.000 2.000 4.750	

LEGEND

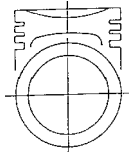
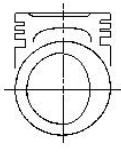
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Bedford



2279cc Series CF	173ci Series CF	202ci Series CFL, CFS
2279	Holden 173	Holden 202 Red Motor

YEARS	NO. OF CYLS	1972-84	4	1980-82	6	1971-80	6
BORE & STROKE	(MM)	97.536	76.200	88.900	76.200	92.075	82.550
	(IN)	3.8400	3.0000	3.5000	3.0000	3.6250	3.2500
PISTON HEAD TYPE				22 		224 	
PISTON ASSEMBLY KIT Sizes				6KRY2505 STD/020/030/040/060		6KRY3302 STD/020/030/040/060 6KRY9080⁽¹⁾ STD 6MKRY3302 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)				.0015 @ 1.12		.0015 @ 2.46	
COMP HEIGHT	PIN DIA.			1.78	.866	1.66	.866
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3500A 3500B		3623B	
RING SET Sizes Widths		C1692 STD .078 .078 .187		M1354 STD/020/030/040/060 .078 .078 .187 PS1354 STD/020/030/040/060 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

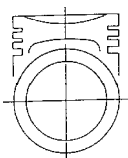
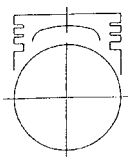
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons & ring sets in .080 oversize are available on request.
 Important:- .080 oversize outside the manufacturers recommendations.



308ci Series ED, EF, EM, EN Holden 308 Red, Blue, Black	214ci Series C, D, EC, J, TA, TK 214	220ci Series TK10 220 Diesel
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YEARS	NO. OF CYLS	1969-91	8	1957-75	6	1962-75	4
BORE & STROKE	(MM)	101.600	77.724	85.725	101.600	103.187	107.950
	(IN)	4.0000	3.0600	3.3750	4.0000	4.0625	4.2500
PISTON HEAD TYPE		22 		1 			
PISTON ASSEMBLY KIT Sizes		8KRY5004⁽¹⁾ STD/020/030/040/060 8MKRY5004⁽¹⁾ STD/020/030/040/060		6KRY2547 STD/030/040/060 6MKRY2547 STD			
CLEARANCE & POSITION (From crown)		.0010 @ 2.33		.0020 @ 1.02			
COMP HEIGHT	PIN DIA.	1.69	.927	1.79	.813		
LOCKING DEVICE		AC		SC			
RING GROOVE WIDTHS		.059 .059 .156		.093 .093 .187			
CYLINDER SLEEVE/ASSEMBLY		4004B		3375A 3375B		PSZ4062-SF	
RING SET Sizes Widths		M1561⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1848⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1561⁽²⁾ STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽²⁾ STD/020/030/040/060 .059 .059 .156		C1011 STD/030/040/060 .093 .093 .187		C1486⁽³⁾ STD/030 .093 .093 .093 .187 .186	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) For 065 & 080 oversize pistons refer Repower catalogue.
- (2) M/PS1848 has 1.5, 1.5, 4.0mm ring pack and suits new 4901, 5004 & 5800 pistons.
M/PS1561 has .078", .078", 3/16" ring pack and suits old 4900, 5002 and 2536 piston.
- (3) Sleeved engine to 1975. Parent bore 1975-on.
Note: Do not use chrome rings in chrome bores.
C1486 suits non-chrome bores only.
N1485 suits chrome bores.

Bedford



292ci Series K, KC	300ci Bus VA; Series CF, EF, J; SB3	300ci Series C3, D3, J3, S3, TK
292 Petrol	300 Petrol Parent Bore	300 Petrol Sleeved

YEARS	NO. OF CYLS	1974-78	6	1971-76	6	1957-70	6
BORE & STROKE	(MM)	98.425	104.775	98.425	107.950	98.425	107.950
	(IN)	3.8750	4.1250	3.8750	4.2500	3.8750	4.2500
PISTON HEAD TYPE				1 		1 	
PISTON ASSEMBLY KIT Sizes				6MKRY5167 STD/030/060		6MKRY5167 STD/030/060	
CLEARANCE & POSITION (From crown)				.0040 @ 1.47		.0040 @ 1.47	
COMP HEIGHT	PIN DIA.			2.76	1.000	2.76	1.000
LOCKING DEVICE				SC		SC	
RING GROOVE WIDTHS				.093 .093 .187 .187		.093 .093 .187 .187	
CYLINDER SLEEVE/ASSEMBLY		3875A 3857B		3875A 3875B		FSM3875⁽¹⁾	RSA5167⁽¹⁾
RING SET Sizes Widths		M3236 STD/040 .093 .093 .187 PS3236 STD .093 .093 .187		M1487 STD/030/060 .093 .093 .187 .187		M1487 STD/030/060 .093 .093 .187 .187	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) RSA5167 contains FSM3875 sleeve with: Liner outer diameter: 4.1228" Flange diameter: 4.4070" Flange depth: N/A Flange width: N/A Liner length: 8.4650"



330ci Series J, S, TK5 5.4L OHV Diesel		
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YEARS	NO. OF CYLS	1962-75	6		
BORE & STROKE	(MM)	103.187	107.950		
	(IN)	4.0625	4.2500		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY		FSZ4062^(3, 4)			
RING SET Sizes Widths		C1486 STD/030 .093 .093 .093 .187 .186			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

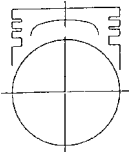
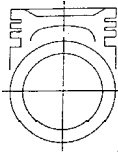
NOTES

- (3) Press fit cast iron sleeve to replace original steel sleeve.
- (4) FSZ4062-SF sleeve has the following specs:
 Liner outer diameter: 4.2545"
 Flange diameter: 4.3700"
 Flange depth: N/A
 Flange width: .1870"
 Liner length: 8.5000"

Chevrolet



1584cc KB20; Luv Isuzu G161Z	1817cc Luv Pick-Up Isuzu G180	140ci K700 140
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YEARS	NO. OF CYLS	1973-86	4	1966-on	4	1960-on	6	
BORE & STROKE	(MM)	82.000	75.000	84.000	82.000	85.725		
	(IN)	3.2283	2.9527	3.3070	3.2283	3.3750		
PISTON HEAD TYPE		1 		22 				
PISTON ASSEMBLY KIT Sizes		4KRY2586 STD/0.50/1.00/1.50 4MKRY2586 STD/1.00 4MKRY9090⁽¹⁾ STD/0.50/1.00		4KRY2859 STD/020/040 4MKRY2859 STD/020/040				
CLEARANCE & POSITION (From crown)		.0400 @ 53.00		.0250 @ 55.20				
COMP HEIGHT	PIN DIA.	36.55	22.000	36.70	22.000			
LOCKING DEVICE		AC		AC				
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000				
CYLINDER SLEEVE/ASSEMBLY						3375A 3375B		
RING SET Sizes Widths		M1465⁽²⁾ STD 2.000 2.000 4.000 C1465⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000 C1606⁽²⁾ STD 1.500 1.500 4.000 PS1465⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000		M1570⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000 M1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570⁽³⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1210 STD/030/040/060 .078 .078 .187 PS1210 STD/040 .078 .078 .187		

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR=9.2:1.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (3) M/PS1570 contains compression rings 2.00, 2.00mm
M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.



153ci 100, 300	230ci Biscayne; Camaro; Sport 100, 300	250ci All Trucks; Chevrolet cars Trucks 10, 20, 30, 40
153	230	250

YEARS	NO. OF CYLS	1962-70	4	1963-70	6	1968-84	6
BORE & STROKE	(MM)	98.425	82.550	98.425	82.550	98.425	90.487
	(IN)	3.8750	3.2500	3.8750	3.2500	3.8750	3.5625
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B		3875A 3875B		3875A 3875B	
RING SET Sizes Widths		PS3329 STD/020/030/040/060 .078 .078 .187		M3226 STD .078 .078 .187 PS3226 STD/020/030/040/060 .078 .078 .187		M3226 STD .078 .078 .187 PS3226 STD/020/030/040/060 .078 .078 .187	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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Chevrolet



283ci Caprice	292ci Trucks 20	302ci Chevrolet cars
283	292	302 V8

YEARS	NO. OF CYLS	1957-67	8	1974-78	6	1967-on	8
BORE & STROKE	(MM)	98.425	76.200	98.425	104.775	101.600	76.200
	(IN)	3.8750	3.0000	3.8750	4.1250	4.0000	3.0000
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B		3875A 3875B		4004B	
RING SET Sizes Widths		M1297 STD/020/030/040 .078 .078 .187 PS1297 020/030/040/060 .078 .078 .187		M3236 STD/040 .093 .093 .187 PS3236 STD .093 .093 .187		M1478⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 M9098⁽³⁾ 005/025/035/045/065 .078 .078 .187 PS1561 STD/020/030/040/060/065/080 .078 .078 .187	

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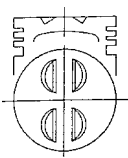
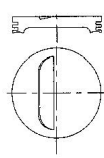
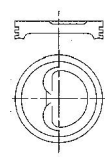
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) M1478 is a high performance ring set containing a high strength 'SG' iron top compression ring.
 (3) M9098 is a file back ring set with high strength 'SG' iron top compression ring.



327ci Biscayne; Camaro; Caprice; Corvette	350ci Camaro; Caprice; Chevelle; Chevrolet cars; Chevy II; Trucks 10	350ci Camaro; Caprice; Chevelle
327	350 Performance 5.7 Inch Rod	350 Performance Low Comp 5.7 Inch Rod

YEARS	NO. OF CYLS	1962-69	8	1968-74	8	1968-74	8	
BORE & STROKE	(MM)	101.600	82.550	101.600	88.392	101.600	88.392	
	(IN)	4.0000	3.2500	4.0000	3.4800	4.0000	3.4800	
PISTON HEAD TYPE		5 		209  Valve Pocket Volume 3cc		210  Bowl Volume 20cc		
PISTON ASSEMBLY KIT Sizes		8KRY2683 020/040		8MKRY9350⁽⁴⁾ STD/020/030/040/060 8MKRY9350H⁽⁴⁾ STD/020/030/040/060		8MKRY9352⁽⁴⁾ STD/020/030/040/060 8MKRY9352H⁽⁴⁾ STD/020/030/040/060		
CLEARANCE & POSITION (From crown)		.0020 @ 1.06		.0010 @ 2.20		.0010 @ 2.19		
COMP HEIGHT	PIN DIA.	1.65	.927	1.55	.927	1.54	.927	
LOCKING DEVICE		AC		AC		AC		
RING GROOVE WIDTHS		.078 .078 .187		.059 .059 .156		.059 .059 .156		
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B		
RING SET Sizes Widths		M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187 M1561⁽⁶⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187 PS1561⁽⁶⁾ STD/020/030/040/060/065/080 .078 .078 .187		M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187 M9106⁽⁶⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽⁶⁾ 005/025/035/045/065 .059 .059 .156		M9106⁽⁶⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽⁶⁾ 005/025/035/045/065 .059 .059 .156		

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

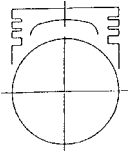
NOTES

- (2) M9098 is a file back ring set with high strength 'SG' iron top compression ring. 9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm) which can be purchased separately.
- (4) 9350, 9352 & 9353 have pregapped rings. 9350H, 9352H & 9353H have file back rings.
 9350, 9352 & 9353 compression ratio at clearance nominated:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9350 bare weight (STD) : 515gm
 9352 bare weight (STD) : 490gm
 9353 bare weight (STD) : 550gm
- (5) M1478 is a high performance ring set containing a high strength 'SG' iron top compression ring.
- (6) M9106 ring set suits 9350, 9352, 9353 pistons. M9110 ring set is a file back ring set.

Chevrolet



350ci Camaro; Caprice; Chevelle 350 Performance Semi Finish 5.7 Inch Rod		
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YEARS BORE & STROKE	NO. OF CYLS (MM) (IN)	1968-74 101.600 4.0000	8 88.392 3.4800		
PISTON HEAD TYPE PISTON ASSEMBLY KIT Sizes		1  8MKRY9353^(1, 2) 030/040/060 8MKRY9353H^(1, 2) 030/040/060			
CLEARANCE & POSITION (From crown)		.0010 @ 2.20			
COMP HEIGHT	PIN DIA.	1.55	.927		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		.059 .059 .156			
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		M9106⁽³⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽³⁾ 005/025/035/045/065 .059 .059 .156			

LEGEND

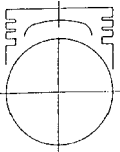
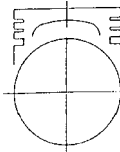
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9350 bowl volume: 3cc.
 9352 bowl volume: 20cc.
 9353 bowl volume: 0cc. 'Flat Top'.
- (2) 9350, 9352 & 9353 have pre-gapped rings.
 9350H, 9352H & 9353H have file back rings.
 9350, 9352 & 9353 compression ratio at clearance nominated:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9350 bare weight (STD) : 515gm
 9352 bare weight (STD) : 490gm
 9353 bare weight (STD) : 550gm
- 9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm) which can be purchased separately.
- (3) M9110 ring set is a file back ring set to suit 1.5, 1.5, 4.0mm ring pack.



170ci Coronet; Lancer; Plymouth; Valiant 170 Slant 6	198ci Coronet; Lancer; Plymouth; Valiant 198 Slant 6	215ci Centura; Ranger; Valiant Charger, VG, VH, VJ 215 Hemi
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YEARS	NO. OF CYLS	1960-70	6	1960-70	6	1970-74	6
BORE & STROKE	(MM)	86.360	79.375	86.360	92.456	89.408	93.472
	(IN)	3.4000	3.1250	3.4000	3.6400	3.5200	3.6800
PISTON HEAD TYPE		1 		1 			
PISTON ASSEMBLY KIT Sizes		6KRY2643 STD/040/060		6KRY2643 STD/040/060			
CLEARANCE & POSITION (From crown)		.0020 @ 1.05		.0020 @ 1.05			
COMP HEIGHT	PIN DIA.	1.74	.901	1.74	.901		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187			
CYLINDER SLEEVE/ASSEMBLY		3401B		3401B			
RING SET Sizes Widths		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		C1325 STD .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Chrysler



225ci AP5; AP6; Coronet; Lancer; Plymouth; Valiant R, S, VC, VE, VF, VIP	245ci Centura, GL; CK; CL; CM; KB; KC; Valiant, Charger, VG, VH, VIP, VJ, VK	265ci Centura, XL; CH; CJ; CK; CL; CM; CV Series CV Series; Valiant Charger, VH, VK
225 Slant 6	245 (Incl. Hi comp.)	265

YEARS	NO. OF CYLS	1960-70	6	1970-80	6	1971-80	6
BORE & STROKE	(MM)	86.360	104.775	95.504	93.472	99.314	93.472
	(IN)	3.4000	4.1250	3.7600	3.6800	3.9100	3.6800
PISTON HEAD TYPE		1		1		1	
PISTON ASSEMBLY KIT Sizes		6KRY2643 STD/040/060		6KRY2502 STD/040/060		6KRY2504⁽¹⁾ STD/040/060	
CLEARANCE & POSITION (From crown)		.0020 @ 1.05		.0015 @ 1.15		.0015 @ 1.12	
COMP HEIGHT	PIN DIA.	1.74	.901	1.69	.922	1.69	.922
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3401B		3750A 3750B		3911B	
RING SET Sizes Widths		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		M1296 STD/040 .078 .078 .187 PS1296 STD/040 .078 .078 .187		C1340 STD/040/060 .078 .078 .187 PS1340 STD .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Except Charger R/T Six pack with 3 twin choke carburetors.



273ci AP6; Royal; Valiant, VC, VE 273	301ci Plymouth; Royal; Valiant 301	318ci AP6; CL; CM; Plymouth; Royal; Valiant, VC, VE, VF, VG, VH, VJ, VK 318
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YEARS	NO. OF CYLS	1965-69	8	1957-on	8	1958-73	8
BORE & STROKE	(MM)	92.075	84.150	99.314	79.375	99.314	84.150
	(IN)	3.6250	3.3130	3.9100	3.1250	3.9100	3.3130
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3623B				3911B	
RING SET Sizes Widths		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187		C1321 STD/040 .078 .078 .187		C1321 STD/040 .078 .078 .187	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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360ci Valiant Charger		
360 V8		

YEARS	NO. OF CYLS	1971-on	8		
BORE & STROKE	(MM)	101.600	90.932		
	(IN)	4.0000	3.5800		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY		4004B			
RING SET Sizes Widths		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187			
		M1561 STD/020/030/040/060 .078 .078 .187			
		M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187			
		PS1561 STD/020/030/040/060/065/080 .078 .078 .187			

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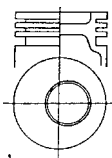
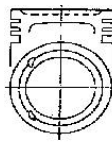
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1478 has high strength iron top ring.
- (2) M9098 is a file back ring set with high strength 'SG' iron top compression ring.



1998cc Espero Holden 2.0L FII G2 Unleaded	1498cc Cielo G15MF	2200cc Leganza 2.2L
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YEARS	NO. OF CYLS	1995-on		6/1994		8/1998	
BORE & STROKE	(MM)	86.000	86.000	76.500	81.500	86.000	86.000
	(IN)	3.3858	3.3858	3.0119	3.2086	3.3858	3.3858
PISTON HEAD TYPE		25 				151 	
PISTON ASSEMBLY KIT Sizes		4KRY2860 STD/0.50/1.00 4MKRY2860 STD/0.50/1.00				4MKRY8067 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 42.50				.0200 @	
COMP HEIGHT	PIN DIA.	30.40	21.000			30.00	21.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.500 1.500 3.000				1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		PS1904 STD/0.50/1.00		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

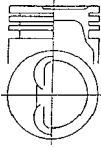
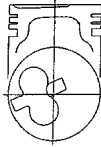
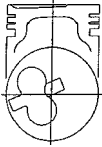
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Daihatsu



1452cc Charmont A55; 1500 Toyota 3A	2977cc Delta, DV28, V10, V20; Series DV Toyota B Diesel	3168cc Delta; Series V Toyota 2B Diesel
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YEARS	NO. OF CYLS	1980-88	4	1972-88	4	1977-84	4
BORE & STROKE	(MM)	77.500	77.000	95.000	105.000	98.000	105.000
	(IN)	3.0511	3.0314	3.7401	4.1338	3.8582	4.1338
PISTON HEAD TYPE		67 		62 		62 	
PISTON ASSEMBLY KIT Sizes		4MKRY8052 STD/0.50/1.00		4MKRY2810 STD/0.50/1.00		4MKRY2811 STD	
CLEARANCE & POSITION (From crown)		.0200 @ 46.00		.1000 @ 89.00		.1300 @ 89.30	
COMP HEIGHT	PIN DIA.	30.70	18	52.30	29.000	52.20	29.000
LOCKING DEVICE		AC		CC		CC	
RING GROOVE WIDTHS		1.500 1.500 2.800		2.500 2.500 4.500		2.000 2.500 4.500	
CYLINDER SLEEVE/ASSEMBLY				FSV3740-SF⁽¹⁾ RSA2810/1⁽¹⁾		FSZ3858⁽³⁾ RSA2811⁽³⁾	
RING SET Sizes Widths		C1673 STD/0.50/1.00 1.500 1.500 2.800 PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		C1650⁽²⁾ STD 2.500 2.500 2.500 4.500 C1712 STD/0.50/1.00 2.500 2.500 4.500			

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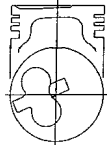
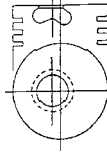
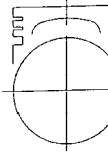
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2810/1 & FSZ3740: 102mm O.D.
 RSA2810/1-SF & FSZ3740-SF: 102mm O.D.
 RSA2810/2-SF & FSX3740R-SF: 100mm O.D.
 RSA2810/3-SF & FSV3740-SF: 99mm O.D.
 For further tech info. refer back of catalogue.
- (2) C1650 suits pistons with 3 compression rings.
 C1712 suits later model pistons as well as 2810 pistons.
- (3) RSA2811 contains FSZ3858 sleeve.
 RSA2811-SF contains FSZ3858-SF sleeve with:
 Liner outer diameter: 102.040mm.
 Flange diameter: 107.675mm.
 Flange depth: 1.250mm.
 Flange width: 2.535mm.
 Liner length: 189.800mm.



3431cc Delta Toyota 3B Diesel	3431cc Delta Toyota 13B Diesel	1166cc Delta 750; KD10 Toyota 3K
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YEARS	NO. OF CYLS	1980-88		1984-on		1970-83	
BORE & STROKE	(MM)	102.000	105.000	102.000	105.000	75.000	66.000
	(IN)	4.0157	4.1338	4.0157	4.1338	2.9527	2.5984
PISTON HEAD TYPE		62 		112 		1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2812 STD		4MKRY2910 STD		4KRY2509 STD/020/040/060 4MKRY2509 STD	
CLEARANCE & POSITION (From crown)		.0100 @ 100.00		.0650 @ 80.00		.0400 @ 62.50	
COMP HEIGHT	PIN DIA.	52.20	32.000	63.40	34.000	35.48	18.000
LOCKING DEVICE		AC		SC		CC	
RING GROOVE WIDTHS		2.000 2.500 4.500		2.500 2.500 4.500		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ4016-SF⁽¹⁾	RSA2812-SF⁽¹⁾	FSZ4016-SF⁽²⁾	RSA2910-SF⁽²⁾	2952A 2952B	
RING SET Sizes Widths		C1709 STD 2.500 2.500 4.500		C1820 STD 2.500 2.500 4.500		C1247⁽³⁾ STD/040/060 2.000 2.000 4.000 C1539⁽³⁾ STD 2.000 2.000 4.000 PS1247⁽³⁾ STD/020/040/060 2.000 2.000 4.000 PS1539 STD 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2812-SF contains FSZ4016-SF sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.

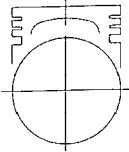
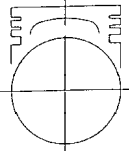
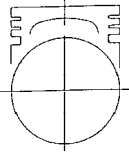
(2) RSA2910-SF contains FSZ4016-SF sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.

(3) C1539 / PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0,2.0,4.0mm ring configurations. Some late models use 1.5, 1.5, 4.0mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring. C/PS1247 has 4.0mm radial depth oil ring.

Daihatsu



1290cc Delta 750; KD10 Toyota 4K	1994cc(2) Bus SV23; Delta, DV23, V30, V30, V31, V32, V34; Series DV Toyota 5R	1587cc Bus SV17L, SV17T, SV1711; E20VD; F20; Series F Toyota 12R
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YEARS	NO. OF CYLS	1970-85	4	1968-83	4	1971-83	4
BORE & STROKE	(MM)	75.000	73.000	88.000	82.000	80.500	78.000
	(IN)	2.9527	2.8740	3.4645	3.2283	3.1692	3.0708
PISTON HEAD TYPE		1		1		1	
PISTON ASSEMBLY KIT Sizes		4KRY2509 STD/020/040/060		4KRY2534 STD/020/040/060		4KRY2541 STD/020/040/060	
		4MKRY2509 STD					
CLEARANCE & POSITION (From crown)		.0400 @ 62.50		.0640 @ 24.50		.0500 @ 25.00	
COMP HEIGHT	PIN DIA.	35.48	18.000	39.00	22.000	39.00	20.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.500 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		2952A 2952B		3431B			
RING SET Sizes Widths		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000		C1298 STD/020/040/060 2.000 2.500 4.000		M1554⁽²⁾ STD 2.000 2.000 4.000	
		C1539⁽¹⁾ STD 2.000 2.000 4.000		PS1298 STD/020/040/060 2.000 2.500 4.000		C1554⁽²⁾ STD/020/040/060 2.000 2.000 4.000	
		PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000				PS1554⁽²⁾ STD/020/040/060 2.000 2.000 +4.000	
		PS1539⁽¹⁾ STD 2.000 2.000 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

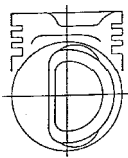
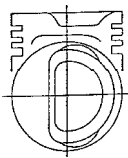
NOTES

(1) C1539 / PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0, 2.0, 4.0mm ring configurations. Some late models use 1.5, 1.5, 4.0mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring C/PS1247 has 4.0mm radial depth oil ring

(2) C/M/PS1554 do not suit original piston after engine no. 12R1356135.



1626cc Delta Toyota 1Y	1812cc Delta Toyota 2Y	1998cc Delta; Rocky F80, F85; Rocky 4WD; Series F Toyota 3Y
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YEARS	NO. OF CYLS	1983-85		1983-85		1983-88	
BORE & STROKE	(MM)	86.000	70.000	86.000	78.000	86.000	86.000
	(IN)	3.3858	2.7559	3.3858	3.0708	3.3858	3.3858
PISTON HEAD TYPE				182 		182 	
PISTON ASSEMBLY KIT Sizes				4KRY2818 STD/0.50/1.00 4MKRY2818 STD/0.50/1.00		4KRY2819 0.50/1.00 4MKRY2819 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)				.0300 @ 55.00		.0300 @ 55.00	
COMP HEIGHT	PIN DIA.			34.70	22.000	34.40	22.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B		3375A 3375B	
RING SET Sizes Widths		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000	

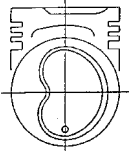
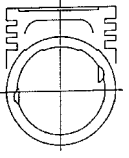
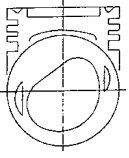
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES

Daihatsu



2237cc Delta; Rocky 4WD Toyota 4Y	993cc Charade CB OHC	993cc Charade G100, G11 CB OHC
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YEARS	NO. OF CYLS	1983-86	4	1977-83	3	1984-on	3
BORE & STROKE	(MM)	91.000	86.000	76.000	73.000	76.000	73.000
	(IN)	3.5826	3.3858	2.9921	2.8740	2.9921	2.8740
PISTON HEAD TYPE		173 		181 		191 	
PISTON ASSEMBLY KIT Sizes		4KRY2858 STD/0.50/1.00		3MKRY2896 STD/0.50/1.00		3MKRY2918 STD/0.50/1.00	
		4MKRY2858 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0300 @ 55.00		.0200 @ 45.00		.0200 @ 45.00	
COMP HEIGHT	PIN DIA.	34.60	22.000	28.00	18.000	28.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1744 STD/0.50/1.00 1.500 1.500 4.000		C1791 STD/0.50/1.00 1.500 1.500 2.800		C1791 STD/0.50/1.00 1.500 1.500 2.800	
		PS1744 STD/0.50/1.00 1.500 1.500 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2530cc Bus SV18, SV23, SV24, SV26, SV32, SV4; Delta, DV32; D200; D300; Series D, DV; Vesta DG Diesel	2765cc Delta V22, V23, V24, V26, V57; F60; F65; F75; Rocky F70, F75, F77, F87; Rocky 4WD; Series F; VBG DL Diesel	2765cc Delta; Rocky 4WD DL Diesel
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YEARS	NO. OF CYLS	1968-84	4	1982-87	4	1987-on	4
BORE & STROKE	(MM)	88.000	104.000	92.000	104.000	92.000	104.000
	(IN)	3.4645	4.0944	3.6220	4.0944	3.6220	4.0944
PISTON HEAD TYPE				10		10	
PISTON ASSEMBLY KIT				4MKRY2866		4MKRY2919	
SIZES				STD		1.00	
CLEARANCE & POSITION				.0800 @ 90.00		.0500 @ 64.00	
(From crown)							
COMP HEIGHT	PIN DIA.			50.50	26.000	50.50	28.000
LOCKING DEVICE				CC		SC	
RING GROOVE WIDTHS				2.500 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				FSY3622-SF ⁽²⁾ RSA2866-SF ⁽²⁾			
RING SET		C1464 ⁽¹⁾		C1759		C1759	
SIZES		STD		STD/1.00		STD/1.00	
WIDTHS		2.000 2.000 2.000 4.000 4.000		2.500 2.000 4.000		2.500 2.000 4.000	
		C1758 ⁽¹⁾					
		STD					
		2.500 2.000 4.000					

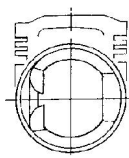
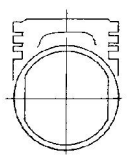
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) C1464 suits 2607 5 ring piston discarding the cast iron oil ring it is also suitable for re-ringing 4 ring pistons. C1758 suits later models with 3 rings. (2) RSA2866-SF contains FSY3622-SF sleeve. Liner outer diameter: 96.000mm. Flange diameter: 101.000mm. Flange depth: 1.000mm. Flange width: 3.000mm. Liner length: 178.000mm.
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Daihatsu



958cc Berlina Spider; Compagno 1000; F10L 4WD; F30D; F30G; F30S; F40; F40Z Pick-Up; Series F FE	1295cc Charade HCE OHC	1589cc Applause A101; Feroza HDE OHC EFI
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YEARS	NO. OF CYLS	1964-77	4	1988-93	4	1988-92	4
BORE & STROKE	(MM)	68.000	66.000	76.000	71.400	76.000	87.600
	(IN)	2.6771	2.5984	2.9921	2.8110	2.9921	3.4488
PISTON HEAD TYPE				220		221	
PISTON ASSEMBLY KIT Sizes				4MKRY2930 STD/0.50/1.00		4MKRY2931 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0300 @ 47.30		.0200 @ 47.20	
COMP HEIGHT	PIN DIA.			20.30	19.000	60.50	19.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.200 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1412⁽¹⁾ STD 2.000 2.000 4.500		C1837 STD/0.50/1.00 1.200 1.500 3.000		C1837 STD/0.50/1.00 1.200 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Late type engines are equipped with piston ring
 2 - 1.5mm compression
 1 - 4.0mm oil.



215ci AT4 Chrysler 215 Hemi	225ci AT4 Chrysler 225 Slant 6	245ci AT4 Chrysler 245 (Incl. Hi comp.)
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YEARS	NO. OF CYLS	1970-74	6	1960-70	6	1970-80	6
BORE & STROKE	(MM)	89.408	93.472	86.360	104.775	95.504	93.472
	(IN)	3.5200	3.6800	3.4000	4.1250	3.7600	3.6800
PISTON HEAD TYPE				1		1	
PISTON ASSEMBLY KIT Sizes				6KRY2643 STD/040/060		6KRY2502 STD/040/060	
CLEARANCE & POSITION (From crown)				.0020 @ 1.05		.0015 @ 1.15	
COMP HEIGHT	PIN DIA.			1.74	.901	1.69	.922
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3401B		3750A 3750B	
RING SET Sizes Widths		C1325 STD .078 .078 .187		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		M1296 STD/040 .078 .078 .187 PS1296 STD/040 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Dodge



265ci AT4 Chrysler 265	273ci Coronet AW2,BW2; Dart VL2,AL2 273	318ci AT4; Coronet; D3F; D5N; Phoenix 330, 440 318
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YEARS	NO. OF CYLS	1971-80	6	1964-69	8	1960-81	8
BORE & STROKE	(MM)	99.314	93.472	92.075	84.074	99.314	84.074
	(IN)	3.9100	3.6800	3.6250	3.3100	3.9100	3.3100
PISTON HEAD TYPE		1					
PISTON ASSEMBLY KIT Sizes		6KRY2504 ⁽¹⁾ STD/040/060					
CLEARANCE & POSITION (From crown)		.0015 @ 1.12					
COMP HEIGHT	PIN DIA.	1.69	.922				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.078 .078 .187					
CYLINDER SLEEVE/ASSEMBLY		3911B		3623B		3911	
RING SET Sizes Widths		C1340 STD/040/060 .078 .078 .187 PS1340 STD .078 .078 .187		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187		C1148 STD/040 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Except Charger R/T Six pack with 3 twin choke carburetors.



1323cc Festiva Mazda B3 1.3L 8 Valve	1597cc Capri SA, SC, SE; Laser KC, KE; Meteor GC Mazda B6Y SOHC 8 Valve	1597cc Laser KF, KH Mazda B6 SOHC 16 Valve
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YEARS	NO. OF CYLS	1987-90		1985-92		1989-on	
BORE & STROKE	(MM)	71.000	83.600	78.000	83.600	78.000	83.600
	(IN)	2.7952	3.2913	3.0708	3.2913	3.0708	3.2913
PISTON HEAD TYPE		64 		64 		202 	
PISTON ASSEMBLY KIT Sizes		4MKRY2890 STD/0.50/1.00		4KRY8041⁽¹⁾ STD/0.50/1.00 4MKRY8041⁽¹⁾ STD/0.50/1.00		4MKRY8042⁽²⁾ STD/0.50/1.00 4KRY8042⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 48.00		.0200 @ 46.70		.0200 @ 47.30	
COMP HEIGHT	PIN DIA.	28.80	20.000	31.40	20.000	32.00	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY				3062B			
RING SET Sizes Widths		C1797 STD/0.50/1.00 1.200 1.500 3.000		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1729⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000		M1821 STD/0.50/1.00 1.500 1.500 3.000 C1821 STD/0.50/1.00 1.500 1.500 3.000 PS1821 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

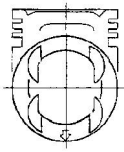
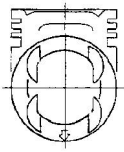
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8041 supersedes 4KRY/4MKRY2842 upon consumption of all 2842 pistons.
 NEW 8041 piston uses M/PS1821 ring set with 1.5,1.5,3.0mm rings.
 2842 piston uses M/PS1729 ring set with 1.5,1.5,4.0mm rings.
- (2) 4KRY/4MKRY8042 supersedes 4KRY/4MKRY2902 upon consumption of all 2902 pistons.



1597cc Capri SA, SC, SE; Laser Mazda B6 DOHC 16 Valve	1597cc Capri SA Mazda B6 DOHC Turbo 16V	1840cc Laser KF, KH; TX3 Mazda BP SOHC
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YEARS	NO. OF CYLS	1985-on	4	1989-92	4	1989-91	4
BORE & STROKE	(MM)	78.000	83.600	78.000	83.600	83.000	85.000
	(IN)	3.0708	3.2913	3.0708	3.2913	3.2677	3.3464
PISTON HEAD TYPE		212 				212 	
PISTON ASSEMBLY KIT Sizes		4KRY8044 STD/0.50/1.00 4MKRY8044 STD/0.50/1.00				4KRY8046 STD/0.50/1.00 4MKRY8046 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 47.30				.0200 @ 46.20	
COMP HEIGHT	PIN DIA.	32.00	20.000			30.20	20.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		1.500 1.500 3.000				1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B				3062B	
RING SET Sizes Widths		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 C1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1729⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1850 STD/0.50/1.00 1.500 1.500 3.000 PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000	

LEGEND

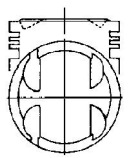
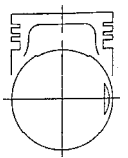
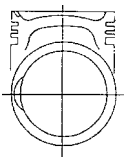
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1729 ring set suits some original models with 1.5,1.5,4.0mm rings.
M/PS1821 ring sets suit 8044 piston with 1.5, 1.5, 3.00mm rings.



1840cc Laser KF, KH; TX3 Mazda BP DOHC 16 Valve	1296cc Laser KA, KB, KC, KE; Meteor GA, GB Mazda E3	1490cc Laser, KA, KB; Meteor GA, GB Mazda E5 OHC Single Carb
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YEARS	NO. OF CYLS	1989-on		1981-90		1981-85	
BORE & STROKE	(MM)	83.000	85.000	77.000	69.600	77.000	80.000
	(IN)	3.2677	3.3464	3.0314	2.7401	3.0314	3.1496
PISTON HEAD TYPE		213 		44 		133 	
PISTON ASSEMBLY KIT Sizes		4KRY8047 STD/0.50/1.00 4MKRY8047 STD/0.50/1.00		4KRY8048⁽¹⁾ STD/0.50/1.00 4MKRY8048⁽¹⁾ STD/0.50/0.75/1.00		4KRY8049⁽³⁾ STD/0.50/1.00 4MKRY8049⁽³⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 46.20		.0200 @ 43.90		.0200 @ 43.90	
COMP HEIGHT	PIN DIA.	30.20	20.000	28.60	20.000	28.60	20.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1850 STD/0.50/1.00 1.500 1.500 3.000 PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000		M1656⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000 M1657⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1656⁽²⁾ STD/0.50/0.75/1.00 1.200 1.500 4.000 PS1657⁽²⁾ STD/0.50/0.75/1.00 1.500 2.000 4.000		M1656⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000 M1657⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1656⁽²⁾ STD/0.50/0.75/1.00 1.200 1.500 4.000 PS1657⁽²⁾ STD/0.50/0.75/1.00 1.500 2.000 4.000	

LEGEND

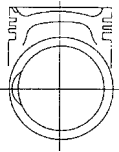
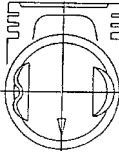
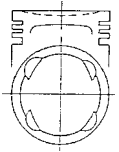
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8048 supersedes 4KRY/4MKRY2740 upon consumption of all 2740 pistons.
- (2) M/PS1656 consists of 1.25, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 & 4.00 wide rings.
- (3) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 pistons. 8049 suits single carb.
 4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.



1490cc Laser KB Mazda E5 OHC Twin Carb	2184cc Courier; Econovan; Spectron; Telstar AT, AV Mazda F2 SOHC 8 Valve	2184cc Courier; Telstar, AT, AV Mazda F2 SOHC 12 Valve EFI
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YEARS	NO. OF CYLS	1981-85	4	1987-92	4	1987-92	4
BORE & STROKE	(MM)	77.000	80.000	86.000	94.000	86.000	94.000
	(IN)	3.0314	3.1496	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE		133 		64 		148 	
PISTON ASSEMBLY KIT Sizes		4KRY8050(1) STD/0.50/1.00		4KRY8021 STD/0.50/1.00		4KRY8020 STD/0.50/1.00	
		4MKRY8050(1) STD/0.50/1.00		4MKRY8021 STD/0.50/1.00		4MKRY8020 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 43.90		.0300 @ 46.00		.0300 @ 46.50	
COMP HEIGHT	PIN DIA.	28.60	20.000	35.90	22.000	36.40	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1656(2) STD/0.50/1.00 1.200 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000	
		M1657(2) STD/0.50/1.00 1.500 2.000 4.000		PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000	
		PS1656(2) STD/0.50/0.75/1.00 1.200 1.500 4.000					
		PS1657(2) STD/0.50/0.75/1.00 1.500 2.000 4.000					

LEGEND

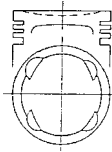
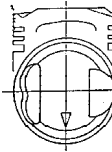
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 pistons.
 4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.
- (2) M/PS1656 consists of 1.20, 1.25, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 & 4.00 wide rings.



2184cc Telstar AT, AV Mazda F2 2.2L 12V Turbo EFI	1991cc Telstar, AX, AY Mazda FS DOHC 16 Valve EFI	1587cc Econovan Mazda F6
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YEARS	NO. OF CYLS	1987-91	4	1993-96	4	1982-87	4
BORE & STROKE	(MM)	86.000	94.000	83.000	92.000	81.000	77.000
	(IN)	3.3858	3.7007	3.2677	3.6220	3.1889	3.0314
PISTON HEAD TYPE				148 			174 
PISTON ASSEMBLY KIT Sizes				4MKRY2943 0.50/1.00			4MKRY2808 STD/0.50/1.00
CLEARANCE & POSITION (From crown)				.0250 @ 50.00			.0150 @ 63.50
COMP HEIGHT	PIN DIA.			29.90	19.000	34.00	22.000
LOCKING DEVICE				AC			AC
RING GROOVE WIDTHS				1.200 1.500 3.000			1.500 1.500 4.000
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths	C1825		C1857		M1719		
	STD/0.50/1.00 1.500 1.500 4.000		STD/0.50/1.00 1.200 1.500 3.000		STD/0.50/1.00 1.500 1.500 4.000		
		PS1825				PS1719	
		STD/0.50/0.75/1.00 1.500 1.500 4.000				STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1789cc Courier; Econovan, 1.8; Spectron; Telstar Mazda F8 SOHC Belt Drive	1998cc Courier, SG; Econovan, 2.0; Spectron; Telstar AR, AS Mazda FE SOHC Belt Drive	1998cc Courier; Econovan; Spectron; Telstar, AR Mazda FE SOHC EFI
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YEARS	NO. OF CYLS	1983-on	4	1983-86	4	1987-on	4
BORE & STROKE	(MM)	86.000	77.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.0314	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		64 		64 		64 	
PISTON ASSEMBLY KIT Sizes		4KRY2824 STD/0.50/1.00		4KRY2737 STD/0.50/0.75/1.00/1.50 4MKRY2737 STD/0.50/1.00/1.50		4KRY2824 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 60.80		.0200 @ 61.00		.0200 @ 60.80	
COMP HEIGHT	PIN DIA.	33.70	22.000	34.00	22.000	33.70	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

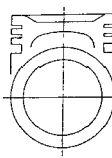
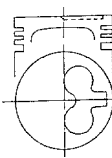
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Telstar	2606cc Courier, Courier; Raider	2977cc Trader
Mazda FE-E DOHC	Mazda G6 SOHC 12 Valve	Mazda HA OHC

YEARS	NO. OF CYLS	1987-on		1987-on		1980-89	
BORE & STROKE	(MM)	86.000	86.000	92.000	98.000	95.000	105.000
	(IN)	3.3858	3.3858	3.6220	3.8582	3.7401	4.1338
PISTON HEAD TYPE				22 		10 	
PISTON ASSEMBLY KIT Sizes				4MKRY8064 STD/0.50/1.00		4MKRY2872⁽³⁾ STD	
CLEARANCE & POSITION (From crown)				.03 @ 67.5			
COMP HEIGHT	PIN DIA.			35.8	23.000	53.50	30.000
LOCKING DEVICE				AC		SC	
RING GROOVE WIDTHS				1.500 1.500 4.000		2.380 2.380 4.75	
CYLINDER SLEEVE/ASSEMBLY						FSY3740^(1, 2)	RSA2872^(1, 2, 3)
RING SET Sizes Widths		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000		C1824 STD/0.50/1.00 1.500 1.500 4.000		M1737 STD/0.50/1.00 2.380 2.380 4.750	
		C1660 STD/0.50/1.00 1.500 1.500 4.000					

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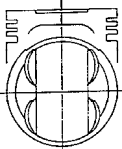
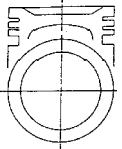
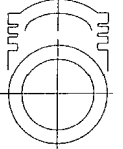
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2849 & 2872 contain FSY3740R sleeve.
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (2) RSA2849 & 2872-SF contain sleeve with:
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (3) Contains armoured (Alfin) top ring groove.



2496cc Telstar Mazda KL V6 DOHC	1970cc Courier Mazda MA OHC	1586cc Courier; Econovan Mazda NA OHC
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YEARS	NO. OF CYLS	1992-on	6	1980-83	4	1971-78	4
BORE & STROKE	(MM)	84.500	74.200	80.000	98.000	78.000	83.000
	(IN)	3.3267	2.9212	3.1496	3.8582	3.0708	3.2677
PISTON HEAD TYPE		194 		22 		15 	
PISTON ASSEMBLY KIT Sizes		6MKRY2961 STD/0.50/1.00		4KRY2937 STD/0.50/1.00/1.50 4MKRY2937 STD/0.50/1.00		4KRY2647 0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0300 @ 44.00				.0500 @ 24.00	
COMP HEIGHT	PIN DIA.	29.15	20.000	36.20	20.000	38.07	22.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1868 STD/0.50/1.00 1.500 1.500 3.000		M1599⁽¹⁾ STD 1.200 1.500 4.000 M1655⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 C1599⁽¹⁾ STD/0.50/1.00 1.200 1.500 4.000 PS1599⁽¹⁾ STD/0.50/1.00/1.50 1.500 2.000 4.000		M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 M1604 STD/0.50/0.75/1.00 1.20 1.50 4.00	

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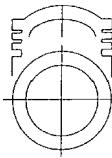
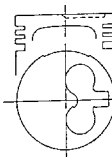
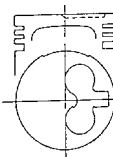
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Alternative ring sets but not listed above in catalogue.
M1707 containing 1.5, 1.5, 4.0mm rings
M1655 contains 1.5, 2.0, 4.0mm rings
C/PS1476 contains 2.0, 2.0, 4.0mm rings.



1586cc Courier; Econovan, 1.6	1998cc Spectron	2184cc Courier, SG, 2200; Econovan
Mazda NA OHC	Mazda RF Diesel OHC	Mazda R2 Diesel

YEARS	NO. OF CYLS	1978-82	4	1978-92	4	1978-92	4
BORE & STROKE	(MM)	78.000	83.000	86.000	86.000	86.000	94.000
	(IN)	3.0708	3.2677	3.3858	3.3858	3.3858	3.7007
PISTON HEAD TYPE		15		10		10	
PISTON ASSEMBLY KIT Sizes		4KRY2706 STD/0.50/0.75/1.00/1.50		4MKRY2848 STD/0.50/1.00		4MKRY2848 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0500 @ 24.50		.0400 @ 56.30		.0400 @ 56.30	
COMP HEIGHT	PIN DIA.	38.45	20.000	47.30	25.000	47.30	25.000
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		1.200 1.500 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				FSZ3386-SF⁽²⁾ RSA2848-SF⁽²⁾		FSZ3386-SF⁽²⁾ RSA2848-SF^(3, 2)	
RING SET Sizes Widths		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000		M1733 STD/0.50/1.00 2.000 2.000 4.000		M1733 STD/0.50/1.00 2.000 2.000 4.000	
		M1790 STD 1.500 2.000 4.000					
		PS1604 STD/0.50/1.00/1.50 1.200 1.500 4.000					
		C1362 STD/0.50/1.00 1.50 1.50 4.00					

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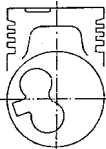
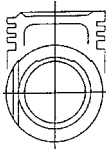

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) RSA2848-SF contains PSZ3386-SF.
PSZ3386-SF is a plain liner.
Liner outer diameter: 90.00mm.
Liner length: 180.00mm.
- (3) RSA2878 & A2848 pistons suit to 1990.
1990 on uses short skirt version piston
which is currently not a stock item.



2209cc Courier; Econovan, 2.2	1415cc Econovan 1.4	3455cc Trader
Mazda S2 Diesel	Mazda UC SOHC Chain Drive	Mazda SL Diesel

YEARS	NO. OF CYLS	1979-on	4	1978-81	4	1984-89	4
BORE & STROKE	(MM)	88.900	89.000	77.000	76.000	100.000	110.000
	(IN)	3.5000	3.5039	3.0314	2.9921	3.9370	4.3307
PISTON HEAD TYPE		95 		58 		158 	
PISTON ASSEMBLY KIT Sizes		4MKRY2741 STD/0.50/1.00		4KRY2699 0.50/1.00/1.50 4MKRY2699 0.50			
CLEARANCE & POSITION (From crown)		.0800 @ 75.00		.0400 @ 22.00			
COMP HEIGHT	PIN DIA.	50.75	28.000	30.58	20.000	58.00	34.000
LOCKING DEVICE		SC		AC		SC	
RING GROOVE WIDTHS		2.380 2.380 4.750		1.500 1.500 4.000		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSZ3500^(1, 2) RSA2741^(1, 2)				FSX3937^(3, 4) RSA2873^(3, 4)	
RING SET Sizes Widths		C1658 STD/0.50/1.00 2.380 2.380 4.750		C1600 STD/0.50/1.00 1.500 1.500 4.000 PS1600 STD/0.50/1.00/1.50 1.500 1.500 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2741 contains FSZ3500 sleeve.
 Liner outer diameter: 96.920mm.
 Flange diameter: 100.940mm.
 Flange depth: 0.630mm.
 Flange width: 3.775mm.
 Liner length: 166.900mm.

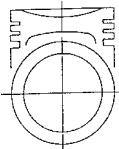
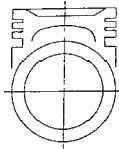
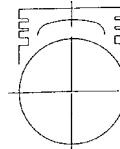
(2) RSA2741-SF contains FSZ3500-SF sleeve.
 Liner outer diameter: 96.840mm.
 Flange diameter: 101.000mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 167.100mm.

(3) FSX3937 is 'B' grade liner with:
 Liner outer diameter: 103.485mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.

(4) RSA2873 contains 'A' grade liner with:
 Liner outer diameter: 103.470mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.



1769cc Courier, 1800 Mazda VC OHC	1769cc Courier 1800 Mazda VC OHC	4052cc Trader Mazda ZB Diesel
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YEARS	NO. OF CYLS	1973-78		1979-84		1972-83	
BORE & STROKE	(MM)	80.000	88.000	80.000	88.000	92.000	101.600
	(IN)	3.1496	3.4645	3.1496	3.4645	3.6220	4.0000
PISTON HEAD TYPE		6 		22 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2626⁽¹⁾ STD/0.50/1.00/1.50		4KRY2937⁽¹⁾ STD/0.50/1.00/1.50 4MKRY2937⁽¹⁾ STD/0.50/1.00		6MKRY2814 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 22.00				.0900 @ 114.00	
COMP HEIGHT	PIN DIA.	35.58	22.000	36.20	20.000	60.20	31.750
LOCKING DEVICE		SC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.200 1.500 4.000		2.380 2.380 2.380 4.750 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSZ3622^(3, 4) RSA2814^(3, 4)	
RING SET Sizes Widths		C1476⁽²⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1476⁽²⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 C1599 STD/0.50/1.00 1.20 1.50 4.00 PS1599 STD/0.50/1.00/1.50 1.20 1.50 4.00		C1476⁽²⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1476⁽²⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 C1599 STD/0.50/1.00 1.20 1.50 4.00 PS1599 STD/0.50/1.00/1.50 1.20 1.50 4.00		C1609⁽⁵⁾ STD/0.50/1.00 2.380 2.380 2.380	

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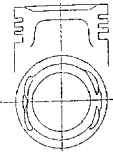
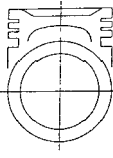
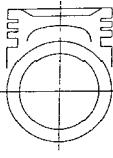
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|--|---|
| <p>(1) 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models. 2626 piston is 22mm pin/circlip application and suits 1973-78 models.</p> <p>(2) Alternative ring sets but not listed above in catalogue:
 M1707 containing 1.50 1.50 4.00 rings
 M1655 containing 1.50 2.0 4.00 rings
 1599 ring set suits 2937 piston.</p> <p>(3) RSA2814 & 2874 contain FSZ3622 sleeve.
 Liner outer diameter: 96.888mm.
 Flange diameter: 100.715mm.</p> | <p>Flange depth: 0.740mm.
 Flange width: 3.825mm.
 Liner length: 190.800mm.</p> <p>(4) RSA2814-SF contains FSZ3622-SF sleeve.
 Liner outer diameter: 96.888mm.
 Flange diameter: 100.715mm.
 Flange depth: 0.740mm.
 Flange width: 3.825mm.
 Liner length: 190.800mm.</p> <p>(5) C1609 is a 2 cylinder set.</p> |
|--|---|



1974cc Corsair UA Nissan CA20E	2389cc Corsair UA Nissan KA24 12 Valve	2389cc Corsair UA Nissan KA24E 12 Valve
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YEARS	NO. OF CYLS	1989-on	4	1989-92	4	1989-92	4
BORE & STROKE	(MM)	84.500	88.000	89.000	96.000	89.000	96.000
	(IN)	3.3267	3.4645	3.5039	3.7795	3.5039	3.7795
PISTON HEAD TYPE		8 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY2832 0.50/1.00 4MKRY2832 STD/0.50/1.00		4MKRY8012⁽²⁾ STD/0.50/1.00		4MKRY8016⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 45.00		.0300 @ 45.70		.0300 @ 45.70	
COMP HEIGHT	PIN DIA.	30.00	20.000	33.85	21.000	33.85	21.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1685 STD/0.50/1.00 1.500 1.500 4.000 M1687 STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800 C1809 STD 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800 C1809 STD 1.500 1.500 2.800	

LEGEND

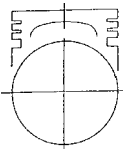
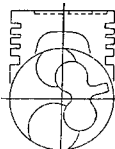
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽²⁾ Piston 8012 is press fit pin application
Piston 8016 is circlip pin application.



4169cc Maverick	4169cc Maverick	1098cc Cortina 1100
Nissan TB42S Petrol	Nissan TD42 Diesel	711M

YEARS	NO. OF CYLS	1987-on	6	1987-on	6	1970-73	4
BORE & STROKE	(MM)	96.000	96.000	96.000	96.000	81.000	53.289
	(IN)	3.7795	3.7795	3.7795	3.7795	3.1890	2.0980
PISTON HEAD TYPE		1 		63 			
PISTON ASSEMBLY KIT Sizes		6MKRY2862 STD/0.50/1.00		6MKRY2881 STD			
CLEARANCE & POSITION (From crown)		.0200 @ 65.00		.0300 @ 72.00			
COMP HEIGHT	PIN DIA.	40.50	23.000	50.30	28.000		
LOCKING DEVICE		SC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY				FSY3780^(1, 2) RSA2881-SF^(1, 2)		3188B 3188B	
RING SET Sizes Widths		M1730 STD/0.50/1.00 2.000 2.000 4.000		C1781 STD 2.500 2.000 4.000		C1540 STD/020/030/040/060 .078 .078 .156 C1541⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156 PS1541⁽³⁾ STD/020/030/040/060 .062 .078 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

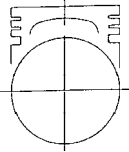
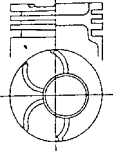
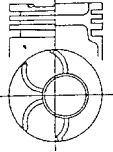
(1) RSA2881/2 contains FSY3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.200mm.
 Liner length: 164.000mm.

(2) RSA2881-SF contains FSY3780-SF sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.

(3) Some original pistons may be fitted with C1540 ring sets.



1297cc Capri; Escort 1300 3014E	1298cc Escort 1300 2735E	1298cc Capri 1300; Escort 1300, 1600 711M
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YEARS	NO. OF CYLS	1962-70	4	1966-70	4	1971-75	4
BORE & STROKE	(MM)	80.962	62.992	80.962	62.992	81.000	62.992
	(IN)	3.1874	2.4800	3.1875	2.4800	3.1890	2.4800
PISTON HEAD TYPE		1 		9 		9 	
PISTON ASSEMBLY KIT Sizes		4KRY2197⁽¹⁾ STD/030/040/060		4KRY2537⁽²⁾ STD/020/030/040/060		4KRY2537⁽²⁾ STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0020 @ 1.06		.0030 @ 1.18		.0030 @ 1.18	
COMP HEIGHT	PIN DIA.	1.51	.812	1.72	.812	1.72	.812
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.078 .078 .156		.062 .078 .156		.062 .078 .156	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B		3188A 3188B		3188A 3188B	
RING SET Sizes Widths		C1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156 PS1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156		M9099 005 .062 .078 .156 C1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽¹⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156		C1540⁽³⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽³⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽³⁾ STD/020/030/040/060 .062 .078 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2197 C/PS1540 suits Cortina engine prefix CE, CJ.
2537, C/PS1541 suits Escort, Cortina engine prefix CK.
- (2) Piston 2537 has a offset bowl.
- (3) Some original pistons may be fitted with C1540 ring sets.



1298cc Escort 1300; Van 1300	1498cc Capri; Cortina 1500	1500cc Cortina
751M	116E	120E

YEARS	NO. OF CYLS	1975-76	4	1965-68	4	1963-67	4
BORE & STROKE	(MM)	81.000	62.992	80.962	73.533	80.975	72.821
	(IN)	3.1890	2.4800	3.1875	2.8950	3.1880	2.8670
PISTON HEAD TYPE		9 		1 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2537⁽¹⁾ STD/020/030/040/060		4KRY2197 STD/030/040/060		4KRY2197 STD/030/040/060	
CLEARANCE & POSITION (From crown)		.0030 @ 1.18		.0020 @ 1.06		.0020 @ 1.06	
COMP HEIGHT	PIN DIA.	1.72	.812	1.51	.812	1.51	.812
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.062 .078 .156		.078 .078 .156		.078 .078 .156	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B		3188A 3188B		3188A 3188B	
RING SET Sizes Widths		C1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽²⁾ STD/020/030/040/060 .062 .078 .156		M9099⁽³⁾ 005 .062 .078 .156 C1540⁽⁴⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽⁴⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156		C1540 STD/020/030/040/060 .078 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156	

LEGEND

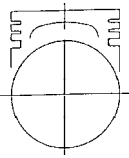
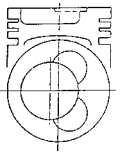
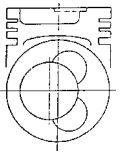
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2537 has a offset bowl.
- (2) Some original pistons may be fitted with C1540 ring sets.
- (3) M9099 is a performance file back ring set for Formula Ford 1/16, 1/16, 5/32.
- (4) Piston 2197 C/PS1540 suits Cortina engine prefix CE, CJ.
2537, C/PS1541 suits Escort, Cortina engine prefix CK.



1593cc Capri; Cortina 1600GT; Sierra	1598cc Capri; Cortina CD, 1600GT	1598cc Capri; Cortina TC; Escort 1600
1593	2737E Crossflow	711M Cross Flow

YEARS	NO. OF CYLS	1970-86	4	1968-71	4	1971-74	4
BORE & STROKE	(MM)	87.650	66.000	81.000	77.622	81.000	77.622
	(IN)	3.4507	2.5984	3.1890	3.0560	3.1890	3.0560
PISTON HEAD TYPE		1		28		28	
PISTON ASSEMBLY KIT Sizes		4MKRY2807 0.50/1.50		4KRY2530⁽¹⁾ STD/020/030/040/060		4KRY2530⁽¹⁾ STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0250 @ 72.40		.0030 @ 1.18		.0030 @ 1.18	
COMP HEIGHT	PIN DIA.	41.10	24.010	1.72	.813	1.72	.813
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		2.00 2.50 4.00		.078 .078 .156		.078 .078 .156	
CYLINDER SLEEVE/ASSEMBLY				3188A 3188B		3188A 3188B	
RING SET Sizes Widths		C1388 STD/020 2.00 2.50 4.00 PS1388 040 2.00 2.50 4.00		C1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽²⁾ STD/020/030/040/060 .062 .078 .156		C1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽³⁾ STD/020/030/040/060 .062 .078 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2530 has a concentric bowl.
- (2) Some original pistons may be fitted with C/PS1541 ring sets.
- (3) Some original pistons may be fitted with C1540 ring sets.



1598cc Capri 1600GT; Escort 1600	1598cc Escort 1600	1993cc Capri; Cortina TC, TD, TE, TF, 2000; Escort 2000; Pinto 2000; RS2000; Sierra
751M 2V Carburetor	751M 1V Carburetor	70HM

YEARS	NO. OF CYLS	1975-81	4	1976-80	4	1972-82	4
BORE & STROKE	(MM)	81.000	77.622	81.000	77.622	90.800	76.900
	(IN)	3.1890	3.0560	3.1890	3.0560	3.5748	3.0275
PISTON HEAD TYPE		28 		28 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2530⁽¹⁾ STD/020/030/040/060		4KRY2530⁽¹⁾ STD/020/030/040/060		4KRY2526 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0030 @ 1.18		.0030 @ 1.18		.0400 @ 27.00	
COMP HEIGHT	PIN DIA.	1.72	.813	1.72	.813	41.12	24.000
LOCKING DEVICE		SC		SC		AC	
RING GROOVE WIDTHS		.078 .078 .156		.078 .078 .156		2.000 2.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3188A		3188A 3188B			
RING SET Sizes Widths		C1540 STD/020/030/040/060 .078 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156		C1540 STD/020/030/040/060 .078 .078 .156 C1541⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156 PS1541 STD/020/030/040/060 .062 .078 .156		M1355 STD 2.000 2.500 4.000 C1355 0.50/0.75/1.00/1.50 2.000 2.500 4.000 PS1355 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

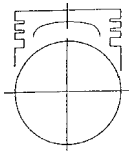
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2530 has a concentric bowl.
- (2) Some original pistons may be fitted with C/PS1541 ring sets.



2994cc Capri	144ci Falcon XK, XL, XM, XP, XR	170ci Falcon XK, XL, XM, XP, XR
3022E V6	144	170

YEARS	NO. OF CYLS	1969-73	6	1960-64	6	1960-66	6
BORE & STROKE	(MM)	93.660	72.410	88.900	63.500	88.900	74.676
	(IN)	3.6874	2.8507	3.5000	2.5000	3.5000	2.9400
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						6KRY2652 040/060	
CLEARANCE & POSITION (From crown)						.0015 @ .92	
COMP HEIGHT	PIN DIA.					1.56	.912
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3500A 3500B		3500A 3500B	
RING SET Sizes Widths		C1235 STD/040 .078 .078 .187		M1032 STD/060 .078 .078 .187 PS1032 STD/040/060 .078 .078 .187		M1032 STD/060 .078 .078 .187 PS1032 STD/040/060 .078 .078 .187	

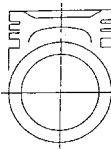
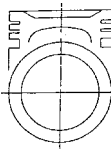
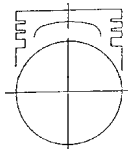
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



188ci Falcon XT, XW; Futura	200ci Cortina TD, TE, TF; Fairlane ZA, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XF, XK, XL, XM, XP, XR, XY; Futura; Series F	200ci Cortina TC, TD, TE, TF; Fairlane ZA, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XF, XK, XL, XM, XP, XR, XY; Futura; Series F
188	3.3L(200ci) All	3.3L(200 ci) LPG

YEARS	NO. OF CYLS	1965-66	6	1963-88	6	1964-on	6
BORE & STROKE	(MM)	93.472	74.676	93.472	79.502	93.472	79.502
	(IN)	3.6800	2.9400	3.6800	3.1300	3.6800	3.1300
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 15.3cc 6KRY4102 STD/020/030/040/060		Bowl Volume 15.3cc 6KRY4102 STD/020/030/040/060		6MKRY9113 030/040/060	
		6MKRY4102 STD/020/030/040/060		6MKRY4102 STD/020/030/040/060			
		6MKRY9113⁽¹⁾ 030/040/060					
CLEARANCE & POSITION (From crown)		.0010 @ 2.50		.0010 @ 2.50		.0010 @ 2.48	
COMP HEIGHT	PIN DIA.	1.53	.912	1.53	.912	1.53	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3687A 3687B		3687A 3687B	
RING SET Sizes Widths		M1166 STD/020/030/040/060 .078 .078 .187		M1166 STD/020/030/040/060 .078 .078 .187		M1166 STD/020/030/040/060 .078 .078 .187	
		PS1166 STD/020/030/040/060 .078 .078 .187		PS1166 STD/020/030/040/060 .078 .078 .187		PS1166 STD/020/030/040/060 .078 .078 .187	

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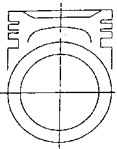
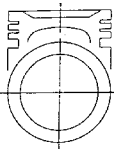
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 9113 is a high compression piston kit suitable for use in engines converted to run on LPG.



221ci Fairlane ZB, ZC; Falcon XT, XW, XY; Futura 221	240ci D Series; Series F 240	240ci D Series 2706E
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YEARS	NO. OF CYLS	1968-70	6	1970-74	6	1965-on	4
BORE & STROKE	(MM)	93.472	79.502	101.600	80.772	104.775	114.808
	(IN)	3.6800	3.1300	4.0000	3.1800	4.1250	4.5200
PISTON HEAD TYPE		22  Bowl Volume 21.8cc		22 			
PISTON ASSEMBLY KIT Sizes		6KRY4101 STD/020/030/040/060 6MKRY4101 STD/020/030/040/060		6MKRY2284 040/060			
CLEARANCE & POSITION (From crown)		.0010 @ 2.50		.0025 @ 1.00			
COMP HEIGHT	PIN DIA.	1.53	.912	1.58	.975		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187			
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		4004B		PSX4125	
RING SET Sizes Widths		M1166 STD/020/030/040/060 .078 .078 .187 PS1166 STD/020/030/040/060 .078 .078 .187		M3466 STD/040/060 .078 .078 .187 PS3466 STD/020/060 .078 .078 .187		C1512 STD/040 .093 .093 .093 .187	

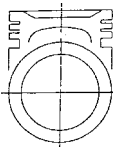
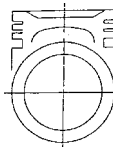
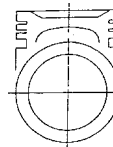
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK, ZL; Falcon XA, XB, XC, XD, XE, XF, XY; Futura; F100; F250; LTD 4.1L(250ci) Leaded	250ci Fairlane ZL; Falcon XF; F100; LTD FE 4.1L Unleaded	250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK, ZL; Falcon XA, XB, XC, XD, XE, XF; Futura; LTD FE 4.1L(250ci) Hi Comp
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YEARS	NO. OF CYLS	1965-85	6	1986-88	6	1965-88	6
BORE & STROKE	(MM)	93.472	99.314	93.472	99.314	93.472	99.314
	(IN)	3.6800	3.9100	3.6800	3.9100	3.6800	3.9100
PISTON HEAD TYPE		22		22		22	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 21.8cc 6KRY4101 STD/020/030/040/060 6MKRY4101 STD/020/030/040/060		Bowl Volume 26.8cc 6KRY4100 STD/020/030/040/060 6MKRY4100 STD/020/030/040/060		Bowl Volume 15.3cc 6MKRY4102⁽³⁾ STD/020/030/040/060	
	CLEARANCE & POSITION (From crown)	.0010 @ 2.50		.0010 @ 2.50		.0010 @ 2.48	
COMP HEIGHT	PIN DIA.	1.53	.912	1.53	.912	1.53	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		PSP3680-SF		PSP3680-SF⁽⁴⁾	
RING SET Sizes Widths		M1166 STD/020/030/040/060 .078 .078 .187 PS1166 STD/020/030/040/060 .078 .078 .187		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156 M9121⁽²⁾ 005/025/035/045/065 1.500 1.500 4.000 PS1166⁽¹⁾ STD/020/030/040/060 .059 .059 .156		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 PS1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Use M/PS1666 for genuine pistons only.
M/PS1666 contents 12-1.5mm, 6-4mm.
 - (2) M9121 is a performance file back ring set.
 - (3) 4102 piston has bowl volume : 15.3cc. 9113 piston is a flat top. The following compression ratios are typical when used in a 250/4.L Ford:

	4102	9113
XY, XA, XB 250	9.2:1	10.4:1
XC, XD, XE 4.1	9.0:1	10.1:1
XF ULP C.F.I.	10.0:1	11.0:1
XF ULP E.F.I.	9.6:1	10.6:1
 - (4) PSP3680-SF suits engines with alloy heads.
- For LPG conversions (ACL recommends use the 4102 piston. Some users may have a requirement for a higher compression piston and in these cases the 9113 may be more appropriate.



250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK; Falcon XA, XB, XC, XD, XE, XF; Futura; LTD FE 4.1L(250ci) Hi Comp	3200cc Fairlane NA; Falcon EA, EB 3.2L EFI	3900cc Fairlane NA, NC; Falcon EA, EB; LTD DA 3.9L EFI
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YEARS	NO. OF CYLS	1965-88	6	1988-92	6	1988-92	6
BORE & STROKE	(MM)	93.472	99.314	91.860	79.300	91.860	99.314
	(IN)	3.6800	3.9100	3.6165	3.1220	3.6165	3.9100
PISTON HEAD TYPE		1				152	
PISTON ASSEMBLY KIT		6MKRY9113⁽¹⁾ 030/040/060				Bowl Volume 15.2cc 6KRY2809 STD/0.50/1.00 6MKRY2809 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		.0010 @ 2.48				.0400 @ 35.00	
(From crown)							
COMP HEIGHT	PIN DIA.	1.53	.912			35.00	23.180
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		.078 .078 .187				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		PSP3680-SF⁽²⁾		3562B	FSZ3616-SF	3562B	
RING SET		M1166 STD/020/030/040/060 .078 .078 .187		M1717 STD/0.50/1.00 1.500 1.500 4.000		M1717 STD/0.50/1.00 1.500 1.500 4.000	
Sizes							
Widths							
		PS1166 STD/020/030/040/060 .078 .078 .187		M9101⁽⁴⁾ 005 1.50 1.50 4.00		M9101⁽⁴⁾ 005 1.50 1.50 4.00	
				PS1717 STD/0.50/1.00/1.50 1.500 1.500 4.000		PS1717 STD/0.50/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 9113 piston is a flat top. The following compression ratios are typical when used in a 250/4.1L Ford:

	4102	9113
XY, XA, XB 250	9.2:1	10.4:1
XC, XD, XE 4.1	9.0:1	10.1:1
XF ULP C.F.I.	10.0:1	11.0:1
XF ULP E.F.I.	9.6:1	10.6:1

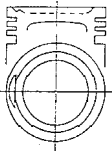
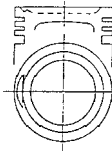

4102 piston has bowl volume : 15.3cc. For LPG conversions ACL recommends to use the 4102 piston. Some users may have a requirement for a higher compression piston and in these cases the 9113 may be more appropriate.

(2) PSP3680-SF suits engines with alloy heads.

(4) M9101 is a ringset requiring the gapping of both compression rings. Under no circumstances can this set be fitted without gapping compression rings.



3997cc Fairlane NC; Falcon EB 4.0L ED	4011cc Falcon EF; EL 4.0L EF & EL	289ci Fairlane ZA; Falcon XP, XR; Galaxie; LTD FD; Mustang 289 Windsor
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YEARS	NO. OF CYLS	1992-94	6	1994-on	6	1963-66	8
BORE & STROKE	(MM)	100.300	84.300	100.400	84.400	101.600	72.898
	(IN)	3.9488	3.3188	3.9527	3.3228	4.0000	2.8700
PISTON HEAD TYPE		152  Bowl Volume 14.05cc		152  Bowl Volume 8.5cc		170 	
PISTON ASSEMBLY KIT Sizes		6KRY2864 STD/0.50/1.00 6MKRY2864 STD/0.50/1.00		6KRY4001 STD/0.50/1.00 6MKRY4001 STD/0.50/1.00		8KRY2673⁽²⁾ 8MKRY2673⁽²⁾	
CLEARANCE & POSITION (From crown)		.0300 @ 45.00		.0300 @ 45.00		.0035 @ 1.00	
COMP HEIGHT	PIN DIA.	35.38	23.180	35.38	23.180	1.58	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3625B		3625B		4004B	
RING SET Sizes Widths		M1762 STD/0.50/1.00 1.500 1.500 3.000 M9102 005 1.500 1.500 3.000 PS1762 STD/0.50/1.00 1.500 1.500 3.000		M1762 STD/0.50/1.00 1.500 1.500 3.000 M9102⁽¹⁾ 005 1.500 1.500 3.000 PS1762 STD/0.50/1.00 1.500 1.500 3.000		M1478⁽³⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 M9098⁽⁴⁾ 005/025/035/045/065 .078 .078 .187 PS1561 STD/020/030/040/060/065/080 .078 .078 .187	

LEGEND

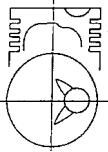
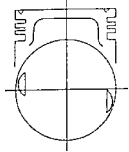
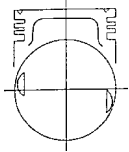
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) This ring set is a file back ring set.
- (2) 8MKRY/KRY2673 no longer available. Use 'REPOWER' only.
- (3) M1478 has high strength iron top ring.
- (4) M9098 is a file back ring set with high strength 'SG' iron top compression ring.



300ci D Series; Series F 300	302ci Fairlane ZF, ZG, ZH, ZJ; Falcon XA, XB, XC, XD, XE, XY; F100; LTD FB, FC, FD; Series F 302 Cleveland	302ci Fairlane ZF, ZG, ZH, ZJ; Falcon XA, XB, XC, XD, XE, XY; LTD FB, FC, FD <i>Motors fitted with 5.778 inch conrods.</i> 302 Cleveland Performance
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YEARS	NO. OF CYLS	1965-81	6	1970-84	8	1970-84	8
BORE & STROKE	(MM)	101.600	101.092	101.600	76.200	101.600	76.200
	(IN)	4.0000	3.9800	4.0000	3.0000	4.0000	3.0000
PISTON HEAD TYPE		7 		2 		2 	
PISTON ASSEMBLY KIT Sizes		6MKRY2623 STD/020/040/060		8KRY5800⁽¹⁾ STD/020/030/040/060 8MKRY5800⁽¹⁾ STD/020/030/040/060		Valve Pocket Volume 2cc 8MKRY9351^(3, 6) STD/020/030/040/060 8MKRY9351H^(3, 6) 020/030/040	
CLEARANCE & POSITION (From crown)		.0025 @ 1.11		.0010 @ 2.27		.0010 @ 2.29	
COMP HEIGHT	PIN DIA.	1.74	.975	1.63	.912	1.65	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4001A 4001B		4004B		4004B	
RING SET Sizes Widths		M3466 STD/040/060 .078 .078 .187 PS3466 STD/020/060 .078 .078 .187		M1561 STD/020/030/040/060 .078 .078 .187 M1848⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1561 STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽²⁾ STD/020/030/040/060 .059 .059 .156		M9103⁽⁴⁾ 005/035 .062 .062 .187 M9106⁽⁵⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽⁴⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- 5800 piston supersedes 2536 piston.
- M/PS1848 ring set suits 5800 piston with .059, .059, .187in ring set.
- 8MKRY9351 has pre-gapped rings. 8MKRY9351H has file back rings. 9351 compression ratio at clearance nominated:
 FOR 302: FOR 351:
 9.8:1 @ 71cc 10.7:1 @ 75cc
 9.3:1 @ 75cc 10.1:1 @ 80cc
 8.8:1 @ 80cc 9.6:1 @ 85cc

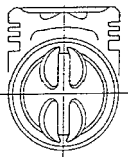
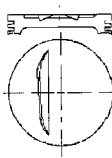
- 9351 Bare Weight (STD) : 530gm
 9351 Uses tapered pin no: R3340T-STD (114gm) which can be purchased separately.
- File back ring set.
- M1478 has high strength iron top ring. The file back ring set version of M1478 is M9098 ring set
- 9351 has tapered pin R3340T (114gm)



9351



302ci Fairlane ZB, ZC, ZD; Falcon XT, XW, XY 302 Windsor	302cc Fairlane ZB, ZC, ZD; Bronco <i>Motors fitted with 5.09 inch conrods.</i> 302 Windsor Performance	351ci Fairlane ZC; Falcon XW, XY 351 Windsor
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YEARS	NO. OF CYLS	1950-72	8	1970-on	8	1969-70	8
BORE & STROKE	(MM)	101.600	76.200	101.600	76.200	101.600	88.900
	(IN)	4.0000	3.0000	4.0000	3.0000	4.0000	3.5000
PISTON HEAD TYPE		170 		8 			
PISTON ASSEMBLY KIT Sizes		8KRY2673⁽⁵⁾ 8KRY2673⁽⁵⁾		8MKRY9302 STD/020/030/040/060			
CLEARANCE & POSITION (From crown)		.0035 @ 1.00		.001 @ 2.250			
COMP HEIGHT	PIN DIA.	1.585	.912	1.604	.912		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		.078 .078 .187		.059 .059 .156			
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 PS1561 STD/020/030/040/060/065/080 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M9098^(2, 4) 005/025/035/045/065 .078 .078 .187		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 M9098^(2, 4) 005/025/035/045/065 .078 .078 .187 M9103⁽²⁾ 005/035 .062 .062 .187	

LEGEND

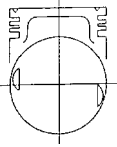
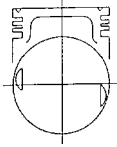
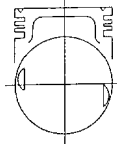
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1478 has high strength iron top ring.
- (2) File back ring set.
- (4) M9098 is a file back ring set with high strength 'SG' iron top compression ring.
- (5) 8MKRY2673 is no longer available. Use REPOWER only.



351ci Fairlane ZC, ZD, ZF, ZG, ZH, ZJ; Falcon XA, XB, XC, XD, XE, XW, XY; F100; F150; LTD FB, FC, FD; Series F 351 Cleveland	351ci Fairlane ZC, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XW, XY; LTD FB, FC, FD. <i>Motors fitted with 5.778 inch conrods.</i> 351 Cleveland Performance	351ci All models <i>Motors fitted with 6 inch conrods.</i> 351 Cleveland Performance
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YEARS	NO. OF CYLS	1970-82	8	1970-82	8	1970-on	8
BORE & STROKE	(MM)	101.600	88.900	101.600	88.900	101.600	88.900
	(IN)	4.0000	3.5000	4.0000	3.5000	4.0000	3.5000
PISTON HEAD TYPE		2 		2 		2 	
PISTON ASSEMBLY KIT Sizes		8KRY5800 STD/020/030/040/060 8MKRY5800 STD/020/030/040/060		Valve Pocket Volume 2cc 8MKRY9351⁽³⁾ STD/020/030/040/060 8MKRY9351H⁽³⁾ 020/030/040		Valve Pocket Volume 2cc 8MKRY9356⁽⁵⁾ 020/030	
CLEARANCE & POSITION (From crown)		.0010 @ 2.27		.0010 @ 2.29		.0010 @ 2.52	
COMP HEIGHT	PIN DIA.	1.63	.912	1.65	.912	1.40	.913
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.047 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1561⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1848⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1561⁽²⁾ STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽²⁾ STD/020/030/040/060 .059 .059 .156		M1478 STD/020/030/040/060 .078 .078 .187 M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽⁴⁾ 005/025/035/045/065 .059 .059 .156 M9098⁽⁴⁾ 005/025/035/045/065 .078 .078 .187		M9122 020/030 .047 .059 .118	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(2) M/PS1848 has 1.5, 1.5, 4.0mm ring pack and suits new 4901, 5004 & 5800 pistons. It also suits late model original piston. M/PS1561 has .078", .078", 3/16" ring pack and suits old 4900, 5002 and 2536 piston.

(3) 8MKRY9351 has pre-gapped rings. 8MKRY9351H has file back rings. 9351 compression ratio at clearance nominated:
 FOR 302: FOR 351:
 9.8:1 @ 71cc 10.7:1 @ 75cc
 9.3:1 @ 75cc 10.1:1 @ 80cc
 8.8:1 @ 80cc 9.6:1 @ 85cc



9351

9351 Bare Weight (STD) : 530gm
 9351 uses pin no: R3340T-STD (114gm) which can be purchased separately.

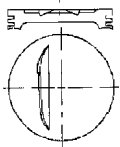
- (4) File back ring set.
- (5) 8MKRY9356 has pre-gapped rings.



9356



4940cc
 Falcon EB, ED, EF;
 Bronco;
 Motors fitted with 5.09 inch conrods.
302 Windsor Performance EFI

YEARS	NO. OF CYLS	1985-on	8
BORE & STROKE	(MM)	101.600	76.200
	(IN)	4.0000	3.0000
PISTON HEAD TYPE		8	
			
PISTON ASSEMBLY KIT Sizes		8MKRY9302 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0035 @ 1.00	
COMP HEIGHT	PIN DIA.	1.6	.912
LOCKING DEVICE		AC	
RING GROOVE WIDTHS		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B	
RING SET Sizes Widths		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M9098^(2, 4) 005/025/035/045/065 .078 .078 .187	

LEGEND
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES
 (1) M1478 has high strength iron top ring.
 (2) File back ring set.
 (4) M9098 is a file back ring set with high strength 'SG' iron top compression ring.

Hillman



1592cc Minx; Series 1500, 2500 Commer 1592 OHV	1725cc Arrow; Gazelle; Hunter; Hustler; Minx; PA; PB; Royal; Series 2500; VH Commer 1725 OHV	
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YEARS	NO. OF CYLS	1961-65	4	1955-74	4
BORE & STROKE	(MM)	81.539	76.200	81.539	82.550
	(IN)	3.2102	3.0000	3.2102	3.2500
PISTON HEAD TYPE		6		6	
PISTON ASSEMBLY KIT Sizes		4MKRY2155 STD/040		4MKRY2155 STD/040	
CLEARANCE & POSITION (From crown)		.0015 @ 1.00		.0015 @ 1.00	
COMP HEIGHT	PIN DIA.	1.82	.937	1.82	.937
LOCKING DEVICE		SC		SC	
RING GROOVE WIDTHS		.078 .078 .156		.078 .078 .156	
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1097 STD/020/030/060 .078 .078 .156		C1097 STD/020/030/060 .078 .078 .156	
		PS1097 030/040 .078 .078 .156		PS1097 030/040 .078 .078 .156	

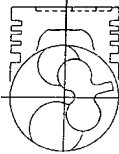
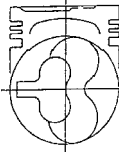
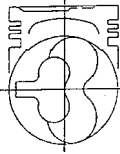
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1951cc Rodeo, K, KB, KB46 Isuzu C190 OHV Diesel	2238cc Jackaroo; Rodeo K, KB, KBD28, KBD29, KBD41, KBD46, KB42; Shuttle Isuzu C223 Diesel	2238cc Jackaroo Isuzu C223T (Turbo)
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YEARS	NO. OF CYLS	1970-82		1979-88		1984-88	
BORE & STROKE	(MM)	86.000	84.000	88.000	92.000	89.000	92.000
	(IN)	3.3858	3.3070	3.4645	3.6220	3.5039	3.6220
PISTON HEAD TYPE		63 		59 		59 	
PISTON ASSEMBLY KIT Sizes						4MKRY2923⁽⁶⁾ 0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	52.00	27.000	48.00	27.000	47.60	29.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2891^(2, 3)		RSA2867^(4, 5, 6)			
RING SET Sizes Widths						C1828 STD/0.50/1.00 2.500 2.000 4.000	

LEGEND

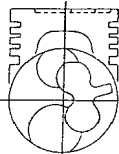
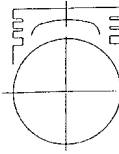
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) Sleeves supplied are chromium type.
- (3) RSA2891 contains chromard liner.
 Liner outer diameter: 88.011mm.
 Flange diameter: 93.980mm.
 Flange depth: N/A.
 Flange width: 0.922mm.
 Liner length: 163.373mm.
- (4) IMPORTANT: This engine has chrome bores.
- (5) RSA2867 contains chromard liner.
 Liner outer diameter: 89.970mm.
 Flange diameter: 94.890mm.
 Flange depth: N/A.
 Flange width: 0.890mm.
 Liner length: 163.320mm.
- (6) Contains armoured (Alfin) top ring groove.



1817cc Gemini Diesel, TE, TF, TG; Shuttle; WFR51 Isuzu 4FB1 OHC Diesel	1995cc Rodeo KB, KBD26, KBD46; Shuttle; WFR51 Isuzu 4FC1 OHC Diesel	1584cc Gemini TC, TD, TE, TF, TG, TX; Rodeo K, KB, KBD40, KB40 Isuzu G161Z
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YEARS	NO. OF CYLS	1979-85	4	1981-90	4	1973-86	4
BORE & STROKE	(MM)	84.000	82.000	84.000	90.000	82.000	75.000
	(IN)	3.3070	3.2283	3.3070	3.5433	3.2283	2.9527
PISTON HEAD TYPE		63				1	
PISTON ASSEMBLY KIT Sizes		4MKRY2744 STD/0.50/1.00				4KRY2586 STD/0.50/1.00/1.50	
						4MKRY2586 STD/1.00	
						4MKRY9090 ⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 60.00				.0400 @ 53.00	
COMP HEIGHT	PIN DIA.	44.70	25.000			36.55	22.000
LOCKING DEVICE		SC				AC	
RING GROOVE WIDTHS		2.500 2.000 4.000				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1662 STD/0.50/1.00 2.500 2.000 4.000		M1662 STD/0.50/1.00 2.500 2.000 4.000		M1465 ⁽²⁾ STD 2.000 2.000 4.000	
						C1465 ⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000	
						C1606 ⁽²⁾ STD 1.500 1.500 4.000	
						PS1465 ⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000	

LEGEND

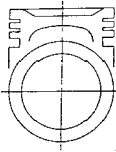
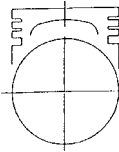
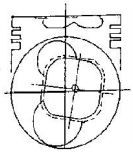
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR = 9.2:1.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.



1817cc Gemini; Rodeo K, KB, KB47 Isuzu G180Z	1949cc Jackaroo; Rodeo K, KB, KB28, KB41 Isuzu G200Z OHC	2771cc Jackaroo; Rodeo TF Isuzu 4JB1 Diesel
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YEARS	NO. OF CYLS	1977-83	4	1983-88	4	1984-on	4
BORE & STROKE	(MM)	84.000	82.000	87.000	82.000	93.000	102.000
	(IN)	3.3070	3.2283	3.4251	3.2283	3.6614	4.0157
PISTON HEAD TYPE		22		1		218	
PISTON ASSEMBLY KIT Sizes		4KRY2859 STD/020/040 4MKRY2859 STD/020/040		4KRY2743 STD/0.50/1.00/1.50 4MKRY2743 STD/1.00			
CLEARANCE & POSITION (From crown)		.0250 @ 55.20		.0300 @ 70.00		.0200 @ 74.00	
COMP HEIGHT	PIN DIA.	36.70	22.000	36.50	22.000	51.90	34.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3312B				RSA2922 ^(2, 3)	
RING SET Sizes Widths		M1570 STD/0.50/1.00 2.000 2.000 4.000 M1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		M1726 STD/0.50/1.00 1.500 1.500 4.000 C1661 STD/0.50/1.00 2.000 2.000 4.000 PS1661 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1726 STD 1.500 1.500 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

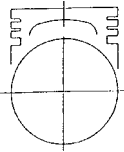
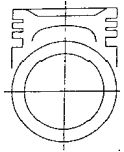
(1) M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.

(3) Contains armoured (Alfin) top ring groove.

(2) RSA2922 contains chromard liner.
 Liner outer diameter: 95.040mm.
 Flange diameter: 101.000mm.
 Flange depth: N/A.
 Flange width: 0.920mm.
 Liner length: 181.000mm.



1471cc Gemini, RB Isuzu 4XC1	1584cc Fargo; Shuttle Isuzu 4ZA1	1817cc Fargo; Shuttle; WFR11 Isuzu 4ZB1 OHC Petrol
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YEARS	NO. OF CYLS	1985-90	4	1981-on	4	1982-87	4
BORE & STROKE	(MM)	77.000	79.000	82.000	75.000	84.000	82.000
	(IN)	3.0314	3.1102	3.2283	2.9527	3.3070	3.2283
PISTON HEAD TYPE		1				22	
PISTON ASSEMBLY KIT Sizes		4MKRY8053⁽¹⁾ STD/0.50/1.00				4KRY2859 STD/020/040 4MKRY2859 STD/020/040	
CLEARANCE & POSITION (From crown)		.0200 @ 43.50				.0250 @ 55.20	
COMP HEIGHT	PIN DIA.	28.20	18.000			36.70	22.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.200 1.200 2.800				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1801 STD/0.50/1.00 1.200 1.200 2.800 C1679⁽²⁾ STD/0.50/1.00 1.500 2.800 PS1801 1.200 1.200 2.800		M1465⁽³⁾ STD 2.000 2.000 4.000 C1606⁽³⁾ STD 1.500 1.500 4.000 PS1465⁽³⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1606⁽³⁾ STD 1.500 1.500 4.000		M1570 STD/0.50/1.00 2.000 2.000 4.000 M1653⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

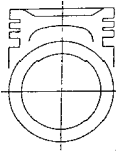
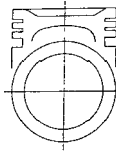
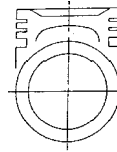
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8053 piston supersedes 2785 piston.
- (2) C1679 suits 2785 Piston which has 1 compression ring and 1 oil ring. M1801 suits some original pistons with 2 compression rings and 1 oil ring.
- (3) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (4) M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.



1994cc Shuttle Isuzu 4ZC1	2254cc Jackaroo; Rodeo KB, KB24, KB29, TF Isuzu 4ZD1	2559cc Jackaroo; Rodeo TF Isuzu 4ZE1
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YEARS	NO. OF CYLS	1982-90	4	1985-on	4	1987-92	4
BORE & STROKE	(MM)	88.000	82.000	89.300	90.000	92.600	95.000
	(IN)	3.4645	3.2283	3.5157	3.5433	3.6456	3.7401
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4MKRY2904 0.50/1.00		4KRY8030⁽¹⁾ STD/0.50/1.00 4MKRY8030⁽¹⁾ STD/0.50/1.00		4KRY8031⁽²⁾ STD/0.50/1.00 4MKRY8031⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 42.00		.0300 @ 46.70		.0300 @ 46.90	
COMP HEIGHT	PIN DIA.	37.00	22.000	33.85	23.000	36.40	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1830 STD/0.50/1.00 1.500 1.500 4.000		C1817 STD/0.50/1.00 1.500 1.500 4.000 PS1817 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1818 STD/0.50/1.00 1.500 1.500 4.000 PS1818 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/MKRY8030 supersedes 4KRY/MKRY2905.
(2) 4KRY/MKRY8031 supersedes 4KRY/MKRY2903.



1487cc Astra LB Nissan E15	1488cc Astra LB Nissan E15T OHC Turbo	1597cc Astra LC Nissan E16
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YEARS	NO. OF CYLS	1984-87	4	1984-85	4	1986-87	4
BORE & STROKE	(MM)	76.000	82.000	76.000	82.000	76.000	88.000
	(IN)	2.9921	3.2283	2.9921	3.2283	2.9921	3.4645
PISTON HEAD TYPE		142		6		22	
PISTON ASSEMBLY KIT Sizes		4KRY8054⁽²⁾ STD/0.50/1.00 4MKRY8054⁽²⁾ STD/0.50/0.75		4MKRY8055 STD/0.50/1.00		4KRY8037 STD/0.50/1.00 4MKRY8037 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	32.50	19.000	33.00	19.000	32.50	19.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1858⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) PS1644 not to be used in turbo application.
Ring Set PS1858 CAN be used for turbo.
- (2) 8054 piston supersedes 2721 piston.



1897cc Torana LX	1897cc Sunbird; Torana LH	970cc Scurry
Opel 1.9S	Opel 1.9L	Suzuki F10A

YEARS	NO. OF CYLS	1965-77	4	1974-78	4	1985-90	4
BORE & STROKE	(MM)	93.000	69.860	93.000	69.860	65.500	72.000
	(IN)	3.6614	2.7503	3.6614	2.7503	2.5787	2.8346
PISTON HEAD TYPE		3 		3 		123 	
PISTON ASSEMBLY KIT Sizes		4KRY2580 0.75/1.00		4KRY2580 0.75/1.00		4KRY2784 STD/0.50/1.00 4MKRY2784 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0700 @ 26.40		.0700 @ 26.40		.0200 @ 54.00	
COMP HEIGHT	PIN DIA.	44.52	23.000	44.52	23.000	24.50	16.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		2.000 2.000 5.000		2.000 2.000 5.000		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1500 STD/1.00 2.000 2.000 5.000		C1500 STD/1.00 2.000 2.000 5.000		M1678 STD/0.50/1.00 1.500 1.500 2.800 PS1678 STD/0.50/1.00 1.500 1.500 2.800	

LEGEND

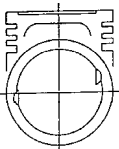
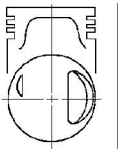
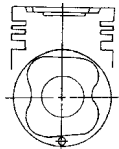
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Holden



1324cc Barina MB, ML; Drover QB, 4WD Suzuki G13A	1298cc Barina MF, MH Suzuki G13B SOHC	1587cc Nova LE Toyota 4AFC DOHC 16 Valve
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YEARS	NO. OF CYLS	1985-89	4	1984-92	4	1989-91	4
BORE & STROKE	(MM)	74.000	77.000	74.000	75.500	81.000	77.000
	(IN)	2.9133	3.0314	2.9133	2.9724	3.1889	3.0314
PISTON HEAD TYPE		181 		215 		204 	
PISTON ASSEMBLY KIT Sizes		4KRY2934⁽¹⁾ STD/0.50/1.00		4KRY2929 STD/0.50/1.00		4KRY8003 STD/0.50/1.00	
		4MKRY2934⁽¹⁾ STD/0.50/1.00		4MKRY2929 STD/0.50/1.00		4MKRY8003 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 45.00		.0200 @ 45.80		.0300 @ 46.00	
COMP HEIGHT	PIN DIA.	28.10	17.000	28.90	17.000	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 2.800		1.200 1.500 2.800		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1770 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800		C1805 STD/0.50/1.00 1.500 1.500 3.000	
		PS1770 STD/0.50/1.00 1.200 1.500 2.800		PS1770 STD/0.50/1.00 1.200 1.500 2.800		PS1805 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

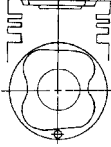
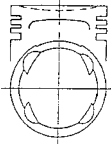
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2934 suits 86 on. 2934 suits unleaded vehicles and is a lower compression piston than 2783. 2934 supersedes 2783.



1587cc Nova LF Toyota 4AFE DOHC 16 Valve	1587cc Nova LG Toyota 4AFE DOHC 16 Valve	1397cc Nova, LE, LF Toyota 6A, 6AFC
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YEARS	NO. OF CYLS	1991-92	4	1992-on	4	1989-on	4
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	76.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	2.9921	3.0314
PISTON HEAD TYPE		204 		148 			
PISTON ASSEMBLY KIT Sizes		4KRY8003 STD/0.50/1.00 4MKRY8003 STD/0.50/1.00		4MKRY8058 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0300 @ 46.00		.0200 @ 42.50			
COMP HEIGHT	PIN DIA.	30.40	18.000	30.20	20.015		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1805 STD/0.50/1.00 1.500 1.500 3.000 PS1805 STD/0.50/1.00 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000		C1859 STD 1.500 1.500 3.000	

LEGEND

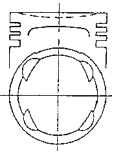
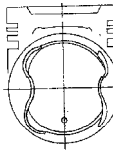
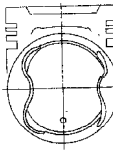
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Holden



1762cc Nova LF, LG Toyota 7A, 7AFE DOHC 16V	1998cc Apollo JK, JL Toyota 3SFC 16 Valve DOHC	1998cc Apollo JK, JL Toyota 3SFE 16 Valve DOHC
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YEARS	NO. OF CYLS	1994-on	4	1985-on	4	1989-on	4
BORE & STROKE	(MM)	81.000	85.500	86.000	86.000	86.000	86.000
	(IN)	3.1889	3.3661	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		148 		205 		205 	
PISTON ASSEMBLY KIT Sizes		4MKRY8059 STD/0.50/1.00		4KRY2851 STD/0.50/1.00 4MKRY2851 STD/0.50/1.00		4KRY2851 STD/0.50/1.00 4MKRY2851 STD/0.50/1.00	
	CLEARANCE & POSITION (From crown)	.0200 @ 42.50		.0300 @ 45.00		.0300 @ 45.00	
COMP HEIGHT	PIN DIA.	30.20	20.015	35.00	20.000	35.00	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3375A 3375B	
RING SET Sizes Widths		C1860 STD/0.50/1.00 1.200 1.500 3.000		M1742 STD/0.50/1.00 1.500 1.500 4.000 PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1742 STD/0.50/1.00 1.500 1.500 4.000 C1742 0.50/1.00 1.500 1.500 4.000 PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000	

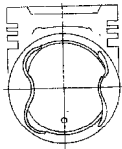
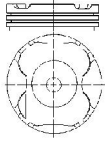
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2164cc Apollo JM, JP	2958cc Apollo JM, JP	1159cc Torana HB
Toyota 5SFE DOHC 16 Valve	Toyota 3VZFE DOHC 24 Valve	1159

YEARS	NO. OF CYLS	1989-94	4	1993-94	6	1966-71	4
BORE & STROKE	(MM)	87.000	91.000	87.500	82.000	77.749	60.960
	(IN)	3.4251	3.5826	3.4448	3.2283	3.0610	2.4000
PISTON HEAD TYPE		205 		223 			
PISTON ASSEMBLY KIT Sizes		4MKRY8001 STD/0.50/1.00		6MKRY8025 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0250 @ 48.40		.0300 @ 47.00			
COMP HEIGHT	PIN DIA.	32.40	22.000	33.90	22.000		
LOCKING DEVICE		CC		SC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY						3062B	
RING SET Sizes Widths		M1807 STD 1.500 1.500 4.000 C1807 STD/0.50/1.00 1.500 1.500 4.000		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1253 STD/020/040/060 .078 .078 .187	

LEGEND

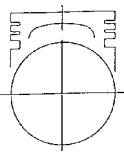
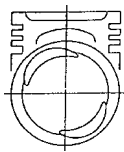
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 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Holden



1256cc Torana LJ, TA	1599cc Torana LC, LJ	1598cc Camira JB, JD
1256	1599	1.6L FII G1 Leaded

YEARS	NO. OF CYLS	1972-75	4	1972-73	4	1982-87	4
BORE & STROKE	(MM)	80.950	60.960	85.725	69.240	80.000	79.500
	(IN)	3.1870	2.4000	3.3750	2.7260	3.1496	3.1299
PISTON HEAD TYPE		1				179	
PISTON ASSEMBLY KIT Sizes		4KRY2766 020/040/060				4KRY2745 STD/0.50/1.00 4MKRY2745 0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0380 @ 25.00				.0300 @ 49.00	
COMP HEIGHT	PIN DIA.	37.70	20.000			40.00	23.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		.078 .078 .187				1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B				3150B	
RING SET Sizes Widths		C1462 STD/020/040/060 .078 .078 .187 PS1462 STD/020/040 .078 .078 .187		C1410 STD 2.000 2.000 4.750		M1663 STD/0.50/1.00 1.500 1.750 4.000 PS1663 STD/0.50/0.75/1.00 1.500 1.750 4.000	

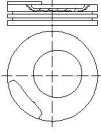
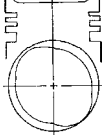
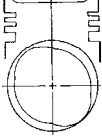
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1598cc Astra LD 1.6L FII G2 (16LF)	1796cc Camira JB, JD 1.8L FII G1 Leaded	1796cc Camira JD 1.8L FII G1 Unleaded
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YEARS	NO. OF CYLS	1987-90		1982-85		1986-87	
BORE & STROKE	(MM)	80.000	79.500	84.800	79.500	84.800	79.500
	(IN)	3.1496	3.1299	3.3385	3.1299	3.3385	3.1299
PISTON HEAD TYPE		208 		201 		201 	
PISTON ASSEMBLY KIT Sizes		4MKRY2938 STD/0.50/1.00		4KRY2935⁽¹⁾ STD/0.50/1.00 4MKRY2935⁽¹⁾ STD/0.50/1.00		4KRY2935 STD/0.50/1.00 4MKRY2935 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 47.10		.0200 @ 51.70		.0200 @ 51.70	
COMP HEIGHT	PIN DIA.	31.90	21.000	39.70	23.000	39.70	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.750 4.000		1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1811 STD/0.50/1.00 1.500 1.500 3.000		M1680 STD/0.50/0.75 1.500 1.750 4.000 PS1680 STD/0.50/1.00 1.500 1.750 4.000		M1680 STD/0.50/0.75 1.500 1.750 4.000 PS1680 STD/0.50/1.00 1.500 1.750 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

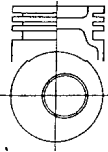
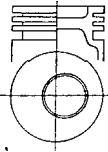
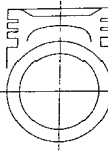
NOTES

(1) Piston 2935 supersedes 2786.
 2935 is a lowered compression ratio piston and suitable for use in unleaded engines.

Holden



1796cc Astra LD 1.8L FII G2 Unleaded	1998cc Calibra YE; Camira JE; Frontera UT 2.0L FII G2 Unleaded	1891cc Commodore VB, VC, VH; Sunbird; Torana LH, UC 1.9L Starfire
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YEARS	NO. OF CYLS	1987-90	4	1987-on	4	1978-85	4
BORE & STROKE	(MM)	84.800	79.500	86.000	86.000	88.900	76.200
	(IN)	3.3385	3.1299	3.3858	3.3858	3.5000	3.0000
PISTON HEAD TYPE		25 		25 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY2855 STD/0.50/1.00 4MKRY2855 STD/0.50/1.00		4KRY2860⁽¹⁾ STD/0.50/1.00 4MKRY2860⁽¹⁾ STD/0.50/1.00		4KRY2505 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0300 @ 45.50		.0200 @ 42.50		.0015 @ 1.12	
COMP HEIGHT	PIN DIA.	33.65	21.000	30.40	21.000	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY						3500A 3500B	
RING SET Sizes Widths		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		M1576 STD/020/030/040/060 .078 .078 .187 PS1576 STD/020/030/040/060 .078 .078 .187	

LEGEND

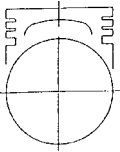
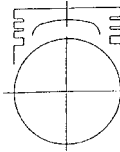
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2860 compression is 8.8:1 (Australian Version)
 2840 suits engines with higher compression ratio 10.2:1 (Export only)
 2841 suits engines with 9.2:1 (Export only)



2174cc FC; FE; FJ; Series 48, 50 132 Grey Motor	2265cc EJ; EK; FB; FC; FE; FJ; Torana 138 Grey Motor	2262cc Torana, LC, LJ, UC 2262
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YEARS	NO. OF CYLS	1948-63	6	1948-63	6	1969-74	6
BORE & STROKE	(MM)	76.200	79.375	77.787	79.375	79.375	76.200
	(IN)	3.0000	3.1250	3.0624	3.1250	3.1250	3.0000
PISTON HEAD TYPE		1		1			
PISTON ASSEMBLY KIT Sizes		6KRY2075 STD/040		6KRY2075 STD/040			
		6KRY2663⁽²⁾ STD/040/060		6KRY2663⁽²⁾ STD/040/060			
CLEARANCE & POSITION (From crown)		.0015 @ .93		.0015 @ .93			
COMP HEIGHT	PIN DIA.	1.77	.750	1.77	.750		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		.093 .093 .187		.093 .093 .187			
CYLINDER SLEEVE/ASSEMBLY		3062		3062			
RING SET Sizes Widths		C263⁽¹⁾ STD .093 .093 .187		M1369⁽³⁾ STD/040/060 .078 .078 .187		M1369 STD/040/060 .078 .078 .187	
				C993 STD/040 .093 .093 .187			
				PS993 STD/040 .093 .093 .187			

LEGEND

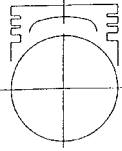
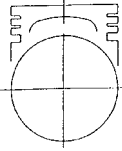
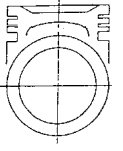
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C263-STD suits standard 132 grey motor piston.
If using 2075 piston then use C993 ring set.
If using 2663 piston use M1369 ring set.
- (2) To use this piston, bore to be 3.125in (6KRY2663-STD).
- (3) M1369 suits piston 2663.



149ci EH; HD; Torana; X2 149	161ci HG; HK; HR; HT; Torana 161	173ci Commodore VB; HJ; HQ; HX; HZ; Torana 173 Red Motor
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YEARS	NO. OF CYLS	1963-74	6	1963-74	6	1963-80	6
BORE & STROKE	(MM)	82.550	76.200	85.725	76.200	88.900	76.200
	(IN)	3.2500	3.0000	3.3750	3.0000	3.5000	3.0000
PISTON HEAD TYPE		1		1		22	
PISTON ASSEMBLY KIT		6KRY2085		6KRY2028		6KRY2505	
Sizes		STD/040/060		STD/040/060		STD/020/030/040/060	
CLEARANCE & POSITION		.0015 @ .93		.0015 @ .93		.0015 @ 1.12	
(From crown)							
COMP HEIGHT	PIN DIA.	1.78	.866	1.78	.866	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3500A 3500B	
RING SET		C1114		C1210		M1354	
Sizes		060		STD/030/040/060		STD/020/030/040/060	
Widths		.078 .078 .187		.078 .078 .187		.078 .078 .187	
		PS1114		PS1210		PS1354	
		STD		STD/040		STD/020/030/040/060	
		.078 .078 .187		.078 .078 .187		.078 .078 .187	

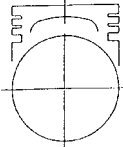
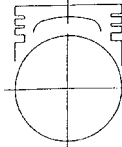
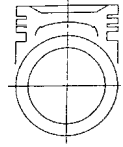
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



179ci EH; HD; Torana; X2	186ci HG; HK; HR; HT; Torana GTR, LC, XU-1	186ci(2) HG; HK; HR; HT; Torana GTR, LC, XU-1
179	186	186 Unleaded Petrol

YEARS	NO. OF CYLS	1963-74	6	1963-74	6	1963-74	6
BORE & STROKE	(MM)	90.487	76.200	92.075	76.200	92.075	76.200
	(IN)	3.5625	3.0000	3.6250	3.0000	3.6250	3.0000
PISTON HEAD TYPE		1 		1 		22 	
PISTON ASSEMBLY KIT Sizes		6KRY2087 STD/040		6KRY3000 STD/030/040/060 6KRY9079⁽¹⁾ STD 6MKRY3000 STD/030/040/060		Bowl Volume 7.0cc 6MKRY3001⁽²⁾ 030/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93		.0015 @ 2.28		.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.78	.866	1.78	.866	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3562B		3623B		3623B	
RING SET Sizes Widths		C1113 STD .078 .078 .187 PS1113 STD/020/030/040 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187	

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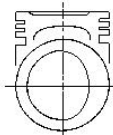
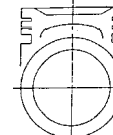
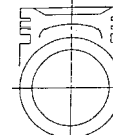
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons and ringsets in .080 oversize
Important:- .080 oversize outside the
manufacturers recommendations.
- (2) Recommended as part of conversion to use
Unleaded Petrol.



202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana; WB; WL	202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana; WB; WL	202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana
202 Red, Blue, Black	202 Unleaded Petrol	202 Performance/Hi Comp

YEARS	NO. OF CYLS	1977-86	6	1971-86	6	1963-on	6
BORE & STROKE	(MM)	92.075	82.550	92.075	82.550	92.075	82.550
	(IN)	3.6250	3.2500	3.6250	3.2500	3.6250	3.2500
PISTON HEAD TYPE		224 		22 		22 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 7.2cc 6KRY3302 STD/020/030/040/060 6KRY9080⁽¹⁾ STD 6MKRY3302 STD/020/030/040/060		Bowl Volume 14.8cc 6MKRY3301⁽²⁾ 020/040/060		Bowl Volume 2.2cc 6MKRY9096⁽³⁾ 020/030/040/060 6MKRY9096H⁽⁴⁾ 020/030/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ 2.46		.0015 @ 2.28		.0025 @ 2.38	
COMP HEIGHT	PIN DIA.	1.66	.866	1.66	.866	1.68	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		3623B		3623B		3623B	
RING SET Sizes Widths		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187		M1844⁽⁵⁾ STD/020/030/040/060 .059 .059 .156 M9114⁽⁶⁾ 005/025/035/045/065 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- Pistons & ringsets in .080 oversize are available on request. 6KRY9079-Std and PS1357-080 suit 186, 6KRY9080 and PS1357-080 suit 202. Important: .080 oversize outside the manufacturers recommendations.
- Recommended as part of conversion to use Unleaded Petrol.
- 9096 piston produces nominal compression ratio of 9.0:1 when used with a clearance volume of 63.5cc.
9118 piston produces nominal compression ratio of 9.5:1 when used with a clearance volume of 60.0cc.

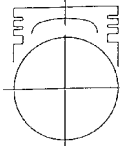
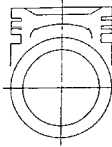
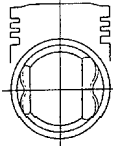
- 9096 & 9118 piston use tapered gudgeon pin no: R3334T-STD (84gm) which can be purchased separately.
- Includes file back rings.
- Non file back ring set, 1.5,1.5,4.0mm suits 9096, 9118 pistons.
- M9114 is a low friction performance file back ring set. The top rings are made of high strength ductile iron and require the end gap to be set.



9096



202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana	2835cc Commodore VC, VH	2962cc Commodore VL
202 Performance/Hi Comp	2.85L Blue Motor	Nissan RB30E

YEARS	NO. OF CYLS	1963-on	6	1980-85	6	1986-92	6
BORE & STROKE	(MM)	92.075	82.550	88.900	76.200	86.000	85.000
	(IN)	3.6250	3.2500	3.5000	3.0000	3.3858	3.3464
PISTON HEAD TYPE		1 		22 		118 	
PISTON ASSEMBLY KIT Sizes		6MKRY9118⁽¹⁾ 6MKRY9118H^(1, 2) 020/030/040/060		6KRY2505 STD/020/030/040/060		6KRY2799 STD/0.50/1.00 6MKRY2799 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0025 @ 2.38		.0015 @ 1.12		.0300 @ 56.50	
COMP HEIGHT	PIN DIA.	1.68	.866	1.78	.866	32.50	21.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		.059 .059 .156		.078 .078 .187		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY		3623B		3500A 3500B		3375B	
RING SET Sizes Widths		M1844⁽³⁾ STD/020/030/040/060 .059 .059 .156 M9114⁽⁴⁾ 005/025/035/045/065 .059 .059 .156		M1354 STD/020/030/040/060 .078 .078 .187 PS1354 STD/020/030/040/060 .078 .078 .187		M1686 STD/0.50/1.00 1.500 1.500 2.800 PS1686 STD/0.50/1.00 1.500 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9096 piston produces nominal compression ratio of 9.0:1 when used with a clearance volume of 63.5cc.

9118 piston produces nominal compression ratio of 9.5:1 when used with a clearance volume of 60.0cc. 9096 and 9118 piston use tapered gudgeon pin no: R3334T-STD (84gm) which can be purchased separately.

(2) Includes file back rings.

- (3) Non file back ring set, 1.5, 1.5, 4.0mm. suits 9096, 9118 pistons.

(4) M9114 is a low friction performance file back ring set. The top rings are made of high strength ductile iron and require the end gap to be set.

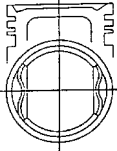
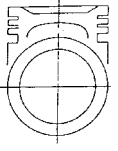
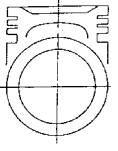


9118

Holden



2962cc Commodore VL Nissan RB30E Turbo	3794cc Commodore VN, VP; Statesman VQ 3.8L V6	3794cc Commodore VR; Statesman VR 3.8L V6
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YEARS	NO. OF CYLS	1986-92	6	1988-94	6	1994-95	6
BORE & STROKE	(MM)	86.000	85.000	96.520	86.360	96.520	86.360
	(IN)	3.3858	3.3464	3.8000	3.4000	3.8000	3.4000
PISTON HEAD TYPE		119 		22 		22 	
PISTON ASSEMBLY KIT Sizes		6MKRY9301 STD/0.50/1.00		6KRY3800 STD/020/040 6MKRY3800 STD/020/040		6MKRY3801 STD/020/040	
	CLEARANCE & POSITION (From crown)	.0250 @ 45.30		.0005 @ 1.73		.0005 @ 1.78	
COMP HEIGHT	PIN DIA.	32.10	21.000	1.39	.906	1.44	.906
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		.059 .059 .118		.047 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		3375B					
RING SET Sizes Widths		C1686 STD/0.50/1.00 1.500 1.500 2.800		M1727 STD/020/040 .059 .059 .118 M9095⁽¹⁾ 005 .059 .059 .156 M9100⁽²⁾ 005 .059 .059 .118 PS1727 STD/020/040 .059 .059 .118		M1812 STD/020/040 .047 .059 .118	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M9095 is a ring set used in the Formula Holden racing class.
M9095 is a file back ring set.
- (2) M9100 is a file back ring set.



3794cc Commodore VS; Statesman VS 3.8L V6	3794cc Commodore VN, VP, VR; Statesman VQ, VR 3.8L V6 Hi Comp/Perf	253ci Brougham; Commodore VB, VC, VH; HG; HJ; HQ; HT; HX; HZ; Kingswood; Statesman; Torana, LH, LX; WB 253 Red & Blue Motor
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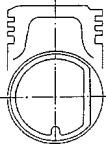
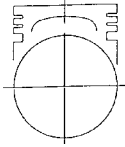
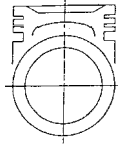
YEARS	NO. OF CYLS	1995-on	6	1988-95	6	1969-84	8
BORE & STROKE	(MM)	96.520	86.360	96.520	86.360	92.075	77.787
	(IN)	3.8000	3.4000	3.8000	3.4000	3.6250	3.0625
PISTON HEAD TYPE		22		22		1	
PISTON ASSEMBLY KIT		Bowl Volume 7.5cc 6MKRY3802 STD/020/040		6MKRY9380⁽²⁾ STD/020/040		8KRY4200 STD/020/030/040/060/080 8MKRY4200 STD/020/030/040/060	
CLEARANCE & POSITION		.0005 @ 1.79				.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.08	.866	1.44	.906	1.68	.927
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		.047 .059 .118		.047 .059 .118		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY						3623B	
RING SET		M1812⁽¹⁾ STD/020/040 .047 .059 .118		M1812 STD/020/040 .047 .059 .118		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) M1812 ring set suits ACL piston only. ACL piston for this model has been designed to incorporate a 3mm wide oil ring. Original pistons use a 2mm wide oil ring. (2) 9380 piston gives 10.0:1 compression ratio.
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253ci Brougham; Commodore VB, VC, VH; HG, HJ, HQ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX	253ci Brougham; Commodore VB, VH; HG, HJ, HQ, HT, HX, HZ Kingswood Statesman; Torana LH, LX	Brougham; Commodore VB, VC, VH; HG, HJ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX
253 Performance Hi Comp	253 Performance	253 Unleaded Petrol

YEARS	NO. OF CYLS	1969-80	8	1969-80	8	1969-84	8
BORE & STROKE	(MM)	92.075	77.787	92.075	77.787	92.075	77.787
	(IN)	3.6250	3.0625	3.6250	3.0625	3.6250	3.0625
PISTON HEAD TYPE		83 		1 		22 	
PISTON ASSEMBLY KIT Sizes		Dome Volume 7.5cc 8MKRY9115H^(1, 3) STD/020/030/040/060 8MKRY9115H^(1, 3) STD/020/030/040/060		8MKRY9119H⁽⁵⁾ 020/030/040/060		Bowl Volume 6.0cc 8MKRY4201⁽³⁾ 020/040/060	
CLEARANCE & POSITION (From crown)		.0025 @ 2.38		.0025 @ 2.38		.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.68	.927	1.68	.927	1.68	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3623B		3623B		3623B	
RING SET Sizes Widths		M9112 STD/020/030/040/060 .059 .059 .156 M9116⁽⁴⁾ 005/025/035/045/065 .059 .059 .156		M9112⁽²⁾ STD/020/030/040/060 .059 .059 .156 M9116⁽²⁾ 005/025/035/045/065 .059 .059 .156		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Piston 9115 has nominal compression ratio of 10.0:1 when used with a clearance volume of 57.5cc. 9115 uses Tapered Gudgeon Pin No: R3333T-STD (95gm) which can be purchased separately.
IMPORTANT NOTE
9115 pistons are left and right handed pistons.

(3) Recommended as part of conversion to use Unleaded Petrol.

(4) M9116 is a file back ring set that suits 9115 piston. M9112 is non file back.

(5) Piston 9119 has compression ratio of 9.5:1 when used with a clearance volume of 61cc. 9119 uses Tapered Gudgeon Pin No: R3333T-STD (95gm) which can be purchased separately.



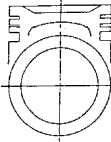
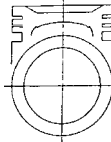
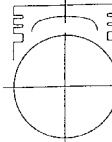
9115



9119



4987cc Commodore VL, VN, VP, VR, VS; Statesman 4.9L	4987cc Commodore VT; Statesman 4.9L	4987cc Commodore VL, VP, VR, VS; Statesman Motors fitted with 5.622 inch conrods. 4.9L Performance
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YEARS	NO. OF CYLS	1986-on	8	1997-on	8	1986-on	8
BORE & STROKE	(MM)	101.600	76.835	101.600	76.835	101.600	77.724
	(IN)	4.0000	3.0250	4.0000	3.0250	4.0000	3.0600
PISTON HEAD TYPE		22		22		1	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 10.5cc 8KRY4901 STD/020/030/040/060 8MKRY4901 STD/020/030/040/060		Bowl Volume 12.1cc 8MKRY4902 STD/020		8MKRY9490(1) 020/030/040/060 8MKRY9490H(1) STD/020/030/040/060	
	CLEARANCE & POSITION (From crown)	.0010 @ 2.36		.0010 @ 2.40		.0010 @ 2.36	
COMP HEIGHT	PIN DIA.	1.71	.927	1.757	.927	1.71	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187				M9106 STD/020/030/040/060 .059 .059 .156	
		M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156	
		PS1561⁽⁴⁾ STD/020/030/040/060/065/080 .078 .078 .187		PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187		M1478 STD/020/030/040/060 .078 .078 .187	
		PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8MKRY9490/9500H has pre-gapped rings.
 8MKRY9490H/9500H has file back rings.
 9490/9500H piston compression ratio at
 nominated clearance volume:
 9.9:1 @ 71cc
 9.3:1 @ 76cc
 8.8:1 @ 81cc
 9490/9500 bare weight (STD) : 565/555gm
 9490/9500 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

- (3) 065 & 080 Oversize pistons available
 Repower kits 8RP5002-065/080 only.
- (4) M/PS1848 has .059, .059, .156 ring pack and
 suits new 4901, 5004 and 5800 pistons.
 It also suits late model original piston
 M/PS1561 has .078, .078, .187 ring pack
 and suits old 4900, 5002 piston.



9490

- (2) File back ring set.



308ci Brougham; Commodore VB, VC, VH, VK, VN; HG; HJ; HQ; HT; HX; HZ Statesman; Torana LH, LX	308ci Brougham; Commodore VB, VC, VH, VK, VN; HG; HJ; HQ; HT; HX; HZ Kingswood; Statesman; Torana SLR5000 Motors fitted with 5.622 conrods.	308ci Brougham; Commodore VB, VC, VH, VK; HJ, HQ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX
308 Red, Blue, Black	308 Performance Hi Comp	308 Unleaded Petrol

YEARS	NO. OF CYLS	1969-91	8	1969-88	8	1969-90	8
BORE & STROKE	(MM)	101.600	77.724	101.600	77.787	101.600	77.787
	(IN)	4.0000	3.0600	4.0000	3.0625	4.0000	3.0625
PISTON HEAD TYPE		22		1		22	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 8.4cc 8KRY5004⁽³⁾ STD/020/030/040/060 8MKRY5004⁽³⁾ STD/020/030/040/060		8MKRY9500⁽¹⁾ STD/020/030/040/060 8MKRY9500H⁽¹⁾ STD/020/030/040/060		Bowl Volume 17.8cc 8MKRY5003⁽¹⁾ 020/040/060	
	CLEARANCE & POSITION (From crown)	.0010 @ 2.33		.0010 @ 2.33		.0020 @ 1.26	
COMP HEIGHT	PIN DIA.	1.69	.927	1.69	.927	1.69	.928
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187	
		M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156		PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187	
		PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187		M1478 STD/020/030/040/060 .078 .078 .187			
		PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8MKRY9500H has pre-gapped rings.
8MKRY9500H has file back rings.
9490/9500H piston compression ratio at nominated clearance volume:
9.9:1 @ 71cc
9.3:1 @ 76cc
8.8:1 @ 81cc
9500 bare weight (STD) : 565/555gm
9500 use Tapered Pin No: R3326T-STD (120gm)
which can be purchased separately.
- (2) File back ring set.

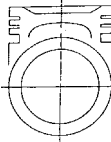
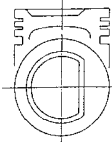
- (3) 065 & 080 oversize pistons available.
Repower kits 8RP5002-065/080 only.
- (4) M/PS1848 has .059, .059, .156 ring pack and suits new 4901, 5004 and 5800 pistons.
It also suits late model original piston
M/PS1561, has .078, .078, .187 ring pack
and suits old 4900, 5002 piston.



9500



5737cc Commodore VR Motors fitted with 5.622 inch conrods.	5737cc Commodore VR Motors fitted with 5.622 inch conrods.	307ci Brougham; HG; HK; HQ; HT; Monaro GTS; Statesman; WB
5.7L HSV STD Perf Comp	5.7L HSV Hi Perf Comp	Chevrolet 307

YEARS	NO. OF CYLS	1993-on		1993-on		1968-78	
BORE & STROKE	(MM)	101.640	88.392	101.640	88.392	98.425	82.550
	(IN)	4.0016	3.4800	4.0016	3.4800	3.8750	3.2500
PISTON HEAD TYPE		22 		7 			
PISTON ASSEMBLY KIT Sizes		Bowl Volume 23.8cc 8MKRY9571⁽¹⁾ STD/020/030/040/060 8MKRY9571H⁽¹⁾ STD/020/030/040/060		Bowl Volume 14cc 8MKRY9570⁽¹⁾ STD/020/030/040/060 8MKRY9570H⁽¹⁾ STD/020/030/040/060			
CLEARANCE & POSITION (From crown)		.0010 @ 2.15		.0010 @ 2.15		.0015 @ 1.04	
COMP HEIGHT	PIN DIA.	1.50	.927	1.50	.927	1.67	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		3875A 3875B	
RING SET Sizes Widths		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156		M1297 STD/020/030/040 .078 .078 .187 PS1297 020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9570 & 9571 have pre-gapped rings.
 9570H & 9571H have file back rings.
 9570 & 9571 piston compression ratio at nominated clearance volume:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9570 & 9571 Bare Weight (STD) :475gm
 9570/9571 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

- (2) File back ring set.



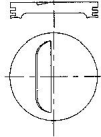
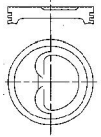
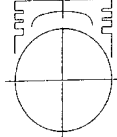
9570



9571



350ci Brougham: HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.	350ci Brougham: HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.	350ci Brougham: HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.
Chevrolet 350 Performance	Chevrolet 350 Perf Low Comp	Chevrolet 350 Perf Semi Finish

YEARS	NO. OF CYLS	1969-74	8	1968-74	8	1968-74	8
BORE & STROKE	(MM)	101.600	88.392	101.600	88.392	101.600	88.392
	(IN)	4.0000	3.4800	4.0000	3.4800	4.0000	3.4800
PISTON HEAD TYPE		209 		210 		1 	
PISTON ASSEMBLY KIT Sizes		Valve Pocket Volume 3cc 8MKRY9350⁽¹⁾ STD/020/030/040/060 8MKRY9350H⁽¹⁾ STD/020/030/040/060		Bowl Volume 20cc 8MKRY9352⁽¹⁾ STD/020/030/040/060 8MKRY9352H⁽¹⁾ STD/020/030/040/060		8MKRY9353⁽¹⁾ 030/040/060 8MKRY9353H⁽¹⁾ 030/040/060	
CLEARANCE & POSITION (From crown)		.0010 @ 2.20		.0010 @ 2.19		.0010 @ 2.20	
COMP HEIGHT	PIN DIA.	1.55	.927	1.54	.927	1.55	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B			
RING SET Sizes Widths		M1478 STD/020/030/040/060 .078 .078 .187 M9106 005/025/035/045/065 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478 STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478 STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 9350, 9352 & 9353 have pre-gapped rings.
 9350H, 9352H & 9353H have file back rings.
 9350, 9352 & 9353 compression ratio at
 nominated clearance volume:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9350 Bare Weight (STD) : 515gm
 9352 Bare Weight (STD) : 490gm
 9353 Bare Weight (STD) : 550gm
 9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

(2) File back ring set.



9353



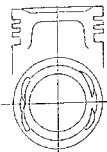
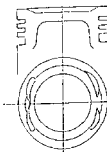
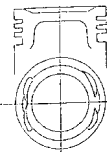
9350



9352



1955cc Accord, 2000; Prelude	1955cc Prelude	1958cc Prelude, BA
A20A Carburettor & EFI	B20A	B20A3 DOHC

YEARS	NO. OF CYLS	1985-89	4	10/1987-11/91	4	10/1987-91	4
BORE & STROKE	(MM)	82.700	91.000	81.000		81.000	95.000
	(IN)	3.2559	3.5826	3.1889		3.1889	3.7401
PISTON HEAD TYPE		8 		8 		8 	
PISTON ASSEMBLY KIT Sizes		4MKRY8056 STD/0.50/1.00		4MKRY2977 STD/0.50/1.00		4MKRY2970 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 44.10		.0200 @		.0200 @ 65.20	
COMP HEIGHT	PIN DIA.	29.50	20.000		22.000	29.800	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1847 STD/0.50/1.00 1.500 1.500 4.000 PS1847 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1865 STD/0.50/1.00 1.200 1.500 2.800		C1865 STD/0.50/1.00 1.200 1.500 2.800	

LEGEND

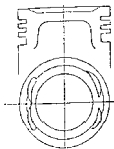
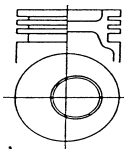
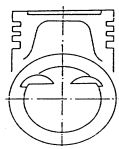
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Honda



1958c Prelude B20A5 DOHC	1493cc Civic D15B	1590cc Civic; Concerto Concerto D16A6
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YEARS	NO. OF CYLS	10/1987-11/1991	4	1987-on	4	1986-95	4
BORE & STROKE	(MM)	81.000	95.000	75.000	84.500	75.000	90.000
	(IN)	3.1889	3.7401	2.9527	3.3267	2.9527	3.5433
PISTON HEAD TYPE		8 		192 		212 	
PISTON ASSEMBLY KIT Sizes		4MKRY2971 STD/0.50/1.00		4MKRY2972 STD/0.50/1.00		4MKRY2973 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.020 @ 65.400		.020 @		.020 @	
COMP HEIGHT	PIN DIA.	30.800	22.000	30.800	19.007	29.100	19.007
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1865 STD/0.50/1.00 1.200 1.500 2.800		C1869 STD/0.50/1.00 1.200 1.500 2.800		C1869 STD/0.50/1.00 1.200 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1590cc Civic; Concerto D16Z6	1169cc Civic EB1	1237cc Civic, SB, SC, SF EB2 OHC
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YEARS	NO. OF CYLS	1986-95		1972-75		1973-79	
BORE & STROKE	(MM)	75.000	90.000	70.000	76.000	72.000	76.000
	(IN)	2.9527	3.5433	2.7559	2.9921	2.8346	2.9921
PISTON HEAD TYPE		235 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4MKRY2974 STD/0.50/1.00		4KRY2671 0.50 4MKRY2671 0.50		4KRY2667 STD	
CLEARANCE & POSITION (From crown)		.0200 @		.0400 @ 19.00		.0400 @ 18.00	
COMP HEIGHT	PIN DIA.	29.600	19.007	26.50	17.020	26.50	17.020
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 2.800		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1869 STD/0.50/1.00 1.200 1.500 2.800		C1506 STD/0.50 1.500 1.500 2.800		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000	

LEGEND

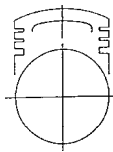
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1237cc Civic EB3	1488cc Civic, SE, VB EC OHC	1488cc Civic ED OHC
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YEARS	NO. OF CYLS	1978-79	4	1974-79	4	1977-79	4
BORE & STROKE	(MM)	72.000	76.000	74.000	86.500	74.000	86.500
	(IN)	2.8346	2.9921	2.9133	3.4055	2.9133	3.4055
PISTON HEAD TYPE		14 					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		C1565 STD/0.50 1.500 1.500 4.000 C1804 STD 1.500 1.500 2.800 PS1565 STD 1.500 1.500 4.000		C1565 STD/0.50 1.500 1.500 4.000 PS1565 STD 1.500 1.500 4.000	

LEGEND

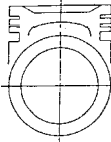
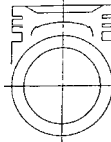
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1599cc Accord, SJ	1599cc Accord	1335cc Civic, SK, SP, VC
EF OHC	EG OHC	EJ

YEARS	NO. OF CYLS	1976-78	4	1977-78	4	1978-on	4
BORE & STROKE	(MM)	74.000	93.000	74.000	93.000	72.000	82.000
	(IN)	2.9133	3.6614	2.9133	3.6614	2.8346	3.2283
PISTON HEAD TYPE		22 		22 			
PISTON ASSEMBLY KIT Sizes		4KRY2668 STD/0.50/0.75 4MKRY2668 0.50/0.75		4KRY2668 STD/0.50/0.75			
CLEARANCE & POSITION (From crown)		.0400 @ 47.00		.0400 @ 47.00			
COMP HEIGHT	PIN DIA.	27.10	17.000	27.10	17.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1565⁽¹⁾ STD/0.50 1.500 1.500 4.000 C1804⁽¹⁾ STD 1.500 1.500 2.800 PS1565⁽¹⁾ STD 1.500 1.500 4.000		C1565⁽¹⁾ STD/0.50 1.500 1.500 4.000 C1804⁽¹⁾ STD 1.500 1.500 2.800 PS1565⁽¹⁾ STD 1.500 1.500 4.000		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000	

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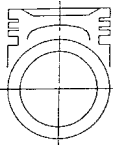
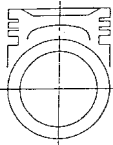
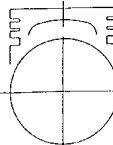
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1565 suits 2668 piston.
C1804 suits some original pistons with a 2.8mm wide oil ring.
- (2) C1676 has 4mm oilring. C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1751cc Accord SM, SZ, 1800; Prelude SN, 1800 EK	1602cc Accord, SJ, 1600; Prelude EL OHC	1488cc Civic EM OHC
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YEARS	NO. OF CYLS	1976-78	4	1977-83	4	1980-81	4
BORE & STROKE	(MM)	74.000	94.000	77.000	86.000	74.000	86.500
	(IN)	2.9133	3.7007	3.0314	3.3858	2.9133	3.4055
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2772 0.50/1.00		4MKRY2772⁽¹⁾ 0.50/1.00		4MKRY2781 0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 37.50		.0200 @ 37.50		.0300 @ 43.00	
COMP HEIGHT	PIN DIA.	27.50	18.000	27.50	18.000	27.70	17.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		C1674 STD/0.50/1.00 1.500 1.500 4.000 C1804 STD 1.500 1.500 2.800 PS1674 STD 1.500 1.500 4.000	

LEGEND

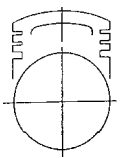
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽¹⁾ 2772 piston when used in 'EL' engines is reduced in compression ratio to original by approximately 0.4:1. Original piston is a flat top.



1335cc Civic, SL, SR, SS, ST EN OHC	1601cc Accord SV, SY, 1600; Quintet 1600 EP OHC	1231cc City,; Jazz ER
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YEARS	NO. OF CYLS	1979-83	4	1978-81	4	1981-86	4
BORE & STROKE	(MM)	72.000	82.000	77.000	86.000	66.000	90.000
	(IN)	2.8346	3.2283	3.0314	3.3858	2.5984	3.5433
PISTON HEAD TYPE		14					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566⁽¹⁾ STD/0.50 1.500 1.500 2.800		M1675 STD/0.50/1.00 1.500 1.500 4.000		M1845 STD 1.500 1.500 4.000	
		C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		PS1675 STD/0.50/1.00 1.500 1.500 4.000			
		PS1676 STD/0.50 1.500 1.500 4.000					

LEGEND

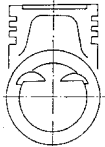
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1829cc Accord, 1800; Prelude ES	1829cc Accord; Prelude, AB100, AB110 ET	1488cc Civic; Integra EW2
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YEARS	NO. OF CYLS	1982-87	4	1984-86	4	1984-87	4
BORE & STROKE	(MM)	80.000	91.000	80.000	91.000	74.000	86.500
	(IN)	3.1496	3.5826	3.1496	3.5826	2.9133	3.4055
PISTON HEAD TYPE						52 	
PISTON ASSEMBLY KIT						4MKRY2940⁽¹⁾ STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION						.0200 @ 49.70	
(From crown)							
COMP HEIGHT	PIN DIA.					29.70	19.000
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1707		M1707		C1674	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
						C1804⁽²⁾ STD 1.500 1.500 2.800	
						PS1674 STD 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2940 uses C1674 ring set.
- (2) C1804 suits some engines with 2.8mm oil ring.



2156cc Accord; Prelude F22A	2156cc Accord F22A5 16 Valve SOHC	2675cc Legend C27A1
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YEARS	NO. OF CYLS	1989-95		1989-on		1987-90	
BORE & STROKE	(MM)	85.000	95.000	85.000	95.000	87.000	75.000
	(IN)	3.3464	3.7401	3.3464	3.7401	3.4251	2.9527
PISTON HEAD TYPE		8 		8 			
PISTON ASSEMBLY KIT Sizes		4MKRY8057 STD/0.50/1.00		4MKRY8057 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0200 @ 40.00		.0200 @ 40.00			
COMP HEIGHT	PIN DIA.	30.60	22.000	30.60	22.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.200 1.200 2.800		1.200 1.200 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1864 STD/0.50/1.00 1.200 1.200 2.800		M1864 STD/0.50/1.00 1.200 1.200 2.800		C1876 STD 1.200 1.200 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Hyundai



3298cc Commercial Mitsubishi 4D31 Diesel	3298cc Commercial Mitsubishi 4D32A	3907cc Commercial Mitsubishi 4D34
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YEARS	NO. OF CYLS	1982-on	4	1985-on	4	1991-on	4
BORE & STROKE	(MM)	100.000	105.000	100.000	105.000	104.000	115.000
	(IN)	3.9370	4.1338	3.9370	4.1338	4.0944	4.5275
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT		PIN DIA.					
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1775 STD 3.000 2.000 5.000 C1873 STD 3.000 2.000 4.000		C1874 STD 3.000 2.000 4.000		C1874 STD 3.000 2.000 4.000	

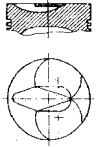
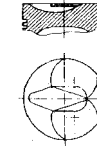
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2476cc Commercial Mitsubishi 4D56 Diesel	2477cc Commercial Mitsubishi 4D56T Turbo Diesel	1238cc Pony Mitsubishi 4G36 Chain Drive
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YEARS	NO. OF CYLS	1986-92		1985-93		1982-85	
BORE & STROKE	(MM)	91.100	95.000	91.100	95.000	73.000	74.000
	(IN)	3.5866	3.7401	3.5866	3.7401	2.8740	2.9133
PISTON HEAD TYPE		206 		206 			
PISTON ASSEMBLY KIT Sizes		4MKRY2957(1) STD		4MKRY2877 STD			
CLEARANCE & POSITION (From crown)		.0300 @ 73.00					
COMP HEIGHT	PIN DIA.	48.70	29.000	48.70	29.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		FSZ3587-SF⁽²⁾	RSA2957-SF⁽²⁾	FSZ3587-SF⁽²⁾	RSA2877-SF⁽²⁾	2875A 2875B	
RING SET Sizes Widths		M1878 STD 2.000 2.000 3.000 C1776⁽³⁾ STD 2.500 2.000 4.000 C1883⁽⁴⁾ STD 2.000 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1777 STD 2.500 2.000 4.000		C1247 STD/040/060 2.000 2.000 4.000 PS1247 STD/020/040/060 2.000 2.000 4.000	

LEGEND

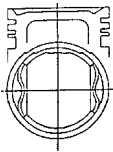
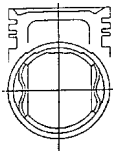
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2957 piston supersedes 2876 piston.
- (2) RSA2877-SF & RSA2957-SF contain FSZ3587-SF sleeve.
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (3) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular tiop ring.



1468cc Excel, Cabriolet, GL, GLS, Hatch GHY	1468cc Excel, Cabriolet, GL, GLS, Hatch G4AJ	1836cc Lantra G4CN 16 Valve DOHC
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YEARS	NO. OF CYLS	1986-87	4	1987-90	4	1992-95	4
BORE & STROKE	(MM)	75.500	82.000	75.500	82.000	81.500	88.000
	(IN)	2.9724	3.2283	2.9724	3.2283	3.2086	3.4645
PISTON HEAD TYPE		119 		119 			
PISTON ASSEMBLY KIT Sizes		4KRY2932 STD/0.50 4MKRY2932 STD/0.50		4KRY2932 STD/0.50 4MKRY2932 STD/0.50			
CLEARANCE & POSITION (From crown)		.0300 @ 51.00		.0300 @ 51.00			
COMP HEIGHT	PIN DIA.	29.00	18.000	29.00	18.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000			

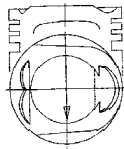
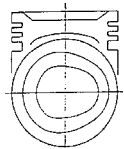
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2350cc Sonata G4CS OHC	1468cc Excel Cabriolet, GL, GLS, Hatch G4DJ	1795cc Coupe; Lantra G4GM DOHC
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YEARS	NO. OF CYLS	1989-91	4	1990-91	4	1995-on	4
BORE & STROKE	(MM)	86.500	100.000	75.500	82.000	82.000	85.000
	(IN)	3.4055	3.9370	2.9724	3.2283	3.2283	3.3464
PISTON HEAD TYPE		203 		188 			
PISTON ASSEMBLY KIT Sizes		4KRY2917 STD/0.50/1.00 4MKRY2917 STD/0.50/1.00		4MKRY8039 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				.0200 @ 45.50			
COMP HEIGHT	PIN DIA.	35.50	21.000	29.10	18.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1813 STD/0.50/1.00 1.500 1.500 4.000 PS1813 STD/0.50/1.00 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000			

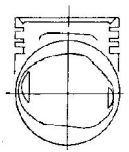
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1596cc Lantra G4CR 16 Valve DOHC	2972cc Sonata G6AT V6	
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YEARS	NO. OF CYLS	1991-92	4	1990-93	6
BORE & STROKE	(MM)	82.300	75.000	91.100	76.000
	(IN)	3.2401	2.9527	3.5866	2.9921
PISTON HEAD TYPE				222	
PISTON ASSEMBLY KIT Sizes				 6KRY8015 STD/0.50/1.00 6MKRY8015 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0250 @ 48.00	
COMP HEIGHT	PIN DIA.			33.90	22.000
LOCKING DEVICE				AC	
RING GROOVE WIDTHS				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths				C1816 STD/0.50/1.00 1.500 1.500 4.000 PS1816 STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

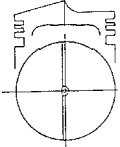
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

International



154ci Tractors AD154 & BD154 Diesel	220ci Tractors; Trucks SD220	240ci Trucks BD240
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YEARS	NO. OF CYLS	1961-78	4	1950-on	6	1950-68	6
BORE & STROKE	(MM)	88.900	101.600	90.487	93.662	90.487	102.057
	(IN)	3.5000	4.0000	3.5625	3.6875	3.5625	4.0180
PISTON HEAD TYPE						12 	
PISTON ASSEMBLY KIT Sizes						6MKRY2030 040	
CLEARANCE & POSITION (From crown)						.0035 @ 1.20	
COMP HEIGHT	PIN DIA.					2.32	.875
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						.093 .124 .187	
CYLINDER SLEEVE/ASSEMBLY		WSJ3500		3562B		3562B	
RING SET Sizes Widths		C1204 ⁽¹⁾ STD .093 .093 .093 .187 .187 C1743 STD .093 .093 .187		C1023 ⁽²⁾ 040 .093 .124 .187		C1023 ⁽²⁾ 040 .093 .124 .187	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) C1204 suits original piston only. (2) C1023 suits pistons from 1955-on.
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International



264ci Trucks ABD/AGD	282ci Trucks ABD/AGD 6.281	304ci Trucks V304 V8
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YEARS	NO. OF CYLS	1954-62	6	1968-78	6	1959-on	8
BORE & STROKE	(MM)	93.662	104.775	96.837	104.775	98.425	81.757
	(IN)	3.6875	4.1250	3.8125	4.1250	3.8750	3.2188
PISTON HEAD TYPE		17 		17 			
PISTON ASSEMBLY KIT Sizes		6MKRY2032 STD/040		6MKRY2033 STD/020/030/040/060			
CLEARANCE & POSITION (From crown)		.0035 @ 1.19		.0035 @ 1.14			
COMP HEIGHT	PIN DIA.	2.16	.875	2.04	.875		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		.093 .124 .187		.093 .124 .187			
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3812A 3812B		3875A 3875B	
RING SET Sizes Widths		C992 STD .093 .124 .187		C1031 STD/020/030/040/060 .093 .124 .187		M1147 STD/040 .093 .093 .187	

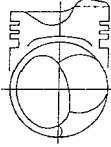
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



345ci Trucks		
V345 V8		

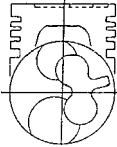
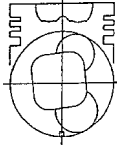
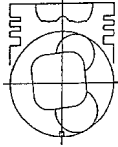
YEARS	NO. OF CYLS	1959-80	8		
BORE & STROKE	(MM)	98.425	92.870		
	(IN)	3.8750	3.6563		
PISTON HEAD TYPE		47			
					
PISTON ASSEMBLY KIT Sizes		8MKRY2552 STD/020/040/060			
CLEARANCE & POSITION (From crown)		.0045 @ 1.24			
COMP HEIGHT	PIN DIA.	1.93	1.063		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		.093 .093 .187			
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B			
RING SET Sizes Widths		M1147 STD/040 .093 .093 .187			

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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2775cc Bus; Elf; Journey	3595cc Bus; Elf, 350 KS; Journey; Trucks	3856cc Bus; Elf; Journey; Trucks
4BA1 OHV Diesel	4BB1 Diesel	4BD1 Diesel

YEARS	NO. OF CYLS	1971-79	4	1973-on	4	1980-84	4
BORE & STROKE	(MM)	98.000	92.000	102.000	110.000	102.000	118.000
	(IN)	3.8582	3.6220	4.0157	4.3307	4.0157	4.6456
PISTON HEAD TYPE		63 		178 		178 	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	62.50	33.000	62.70	35.000	58.75	35.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		3.000 2.500 5.000		3.000 2.500 5.000		3.000 2.500 5.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2906⁽¹⁾		RSA2869⁽²⁾		RSA2870^(2, 3)	
RING SET Sizes Widths		N1819 STD 3.000 2.500 5.000		N1768 STD 3.000 2.500 5.000		N1768 STD 3.000 2.500 5.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2906 contains chrome liner.
 Liner outer diameter : 101.040mm.
 Flange diameter: 108.000mm.
 Flange depth : N/A.
 Flange width : 1.420mm.
 Liner length : 180.850mm.

(2) RSA2869, 2870 contains chrome liner.
 Liner outer diameter : 105.030mm.
 Flange diameter : 111.940mm.
 Flange depth : N/A.
 Flange width : 1.420mm.
 Liner length : 203.960mm.

(4) RSA2870 & A2870 pistons suit to 1984.
 1984 on uses shorter skirt piston which
 currently is not a stock item.



5393cc Forward; Journey; SBR; SCR; SGR; SJR; SLR; Trucks 6BB1 Diesel	5785cc Forward; SBR; SCR; SGR; Trucks 6BD1 Diesel	5785cc Trucks 6BD1T Turbo
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YEARS	NO. OF CYLS	1976-84		1976-84		1976-86	
BORE & STROKE	(MM)	102.000	110.000	102.000	118.000	102.000	118.000
	(IN)	4.0157	4.3307	4.0157	4.6456	4.0157	4.6456
PISTON HEAD TYPE		178		178		178	
PISTON ASSEMBLY KIT	Sizes						
CLEARANCE & POSITION	(From crown)						
COMP HEIGHT	PIN DIA.	62.70	35.000	58.75	35.000	58.75	35.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		3.000 2.500 5.000		3.000 2.500 5.000		3.000 2.500 5.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2869⁽¹⁾		RSA2870^(1, 2)		RSA2871^(1, 3, 4)	
RING SET	Sizes Widths	N1769 STD 3.000 2.500 5.000		N1769 STD 3.000 2.500 5.000		N1769 STD 3.000 2.500 5.000	

LEGEND

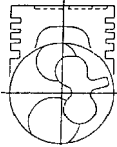
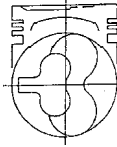
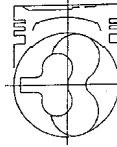
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2869, 2870, 2871 contains chrome liner.
 Liner outer diameter: 105.030mm.
 Flange diameter: 111.940mm.
 Flange depth: N/A.
 Flange width: 1.420mm.
 Liner length: 203.960mm.
- (2) RSA2870 piston assemblies suit to 1984.
 1984-on uses shorter skirt piston which currently is not a stock item.
- (3) RSA2871 piston assemblies suits up to 1984.
 1984-on uses short skirt piston which currently is not a stock item.
- (4) Contains armoured (Alfin) top ring groove.



1951cc Elf, 150 KA; Florian; Journey; Rodeo	2238cc Rodeo; Trooper	2238cc Rodeo
C190 OHV Diesel	C223 Diesel	C223T (Turbo)

YEARS	NO. OF CYLS	1970-82	4	1979-88	4	1984-88	4
BORE & STROKE	(MM)	86.000	84.000	88.000	92.000	89.000	92.000
	(IN)	3.3858	3.3070	3.4645	3.6220	3.5039	3.6220
PISTON HEAD TYPE		63 		59 		59 	
PISTON ASSEMBLY KIT Sizes						4MKRY2923⁽⁵⁾ 0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	52.00	27.000	48.00	27.000	47.60	29.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2891^(2, 3)		RSA2867^(4, 5)			
RING SET Sizes Widths		M1659 STD/0.50/0.75/1.00 2.500 2.000 5.000 M1799 STD 2.000 2.000 2.000 5.000		N1681 STD 2.000 2.000 4.000		C1828 STD/0.50/1.00 2.500 2.000 4.000	

LEGEND

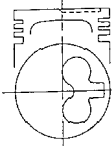

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|---|--|
| <p>(1) IMPORTANT: This engine has Chrome bores.</p> <p>(2) Sleeves supplied are chromium type.</p> <p>(3) RSA2891 contains chrome liner.
 Liner outer diameter: 88.011mm.
 Flange diameter: 93.980mm.
 Flange depth: N/A.
 Flange width: 0.922mm.
 Liner length: 163.373mm.</p> | <p>(4) RSA2867 contains chrome liner.
 Liner outer diameter: 89.970mm.
 Flange diameter: 94.890mm.
 Flange depth: N/A.
 Flange width: 0.890mm.
 Liner length: 163.320mm.</p> <p>(5) Contains armoured (Alfin) top ring groove.</p> |
|---|--|



2369cc Bus; Elf, 250 TL C240 OHV Diesel	1817cc Shuttle 4FB1 OHC Diesel	1995cc Shuttle 4FC1 OHC Diesel
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YEARS	NO. OF CYLS	1968-on	4	1979-85	4	1981-90	4
BORE & STROKE	(MM)	86.000	102.000	84.000	82.000	84.000	90.000
	(IN)	3.3858	4.0157	3.3070	3.2283	3.3070	3.5433
PISTON HEAD TYPE		10 		63 			
PISTON ASSEMBLY KIT				4MKRY2744 STD/0.50/1.00			
SIZES							
CLEARANCE & POSITION (From crown)				.0400 @ 60.00			
COMP HEIGHT	PIN DIA.	51.56	27.000	44.70	25.000		
LOCKING DEVICE		SC		SC			
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		RSA2868⁽¹⁾					
RING SET		M1659 STD/0.50/0.75/1.00 2.500 2.000 5.000		M1662 STD/0.50/1.00 2.500 2.000 4.000		M1662 STD/0.50/1.00 2.500 2.000 4.000	
SIZES							
WIDTHS							
		M1799 STD 2.000 2.000 2.000 5.000					

LEGEND

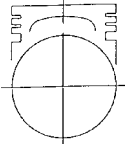
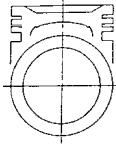
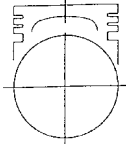
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2868 contains chrome liner.
- | | |
|-----------------------|------------|
| Liner outer diameter: | 88.008mm. |
| Flange diameter: | 93.980mm. |
| Flange depth: | N/A. |
| Flange width: | 0.922mm. |
| Liner length: | 178.460mm. |



1584cc Bellet; Elf; KB20 G161Z	1817cc Bellet; Florian; Journey G180Z	1949cc Trooper G200Z OHC
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YEARS	NO. OF CYLS	1973-86	4	1970-on	4	1983-88	4
BORE & STROKE	(MM)	82.000	75.000	84.000	82.000	87.000	82.000
	(IN)	3.2283	2.9527	3.3070	3.2283	3.4251	3.2283
PISTON HEAD TYPE		1		22		1	
PISTON ASSEMBLY KIT Sizes		4KRY2586 STD/0.50/1.00/1.50 4MKRY2586 STD/1.00 4MKRY9090⁽¹⁾ STD/0.50/1.00		4KRY2859 STD/020/040 4MKRY2859 STD/020/040		4KRY2743 STD/0.50/1.00/1.50 4MKRY2743 STD/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 53.00		.0250 @ 55.20		.0300 @ 70.00	
COMP HEIGHT	PIN DIA.	36.55	22.000	36.70	22.000	36.50	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				3312B			
RING SET Sizes Widths		M1465⁽²⁾ STD 2.000 2.000 4.000 C1465⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000 C1606⁽²⁾ STD 1.500 1.500 4.000 PS1465⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000		M1570⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000 M1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570⁽³⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		M1726 STD/0.50/1.00 1.500 1.500 4.000 C1661 STD/0.50/1.00 2.000 2.000 4.000 PS1661 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1726 STD 1.500 1.500 4.000	

LEGEND

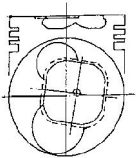
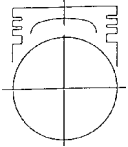
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR=9.2:1.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (3) M/PS1570 contains compression rings 2.00, 2.00mm M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.



2771cc Trooper; Trucks	1471cc Gemini	1584cc Fargo; Shuttle
4JB1 Diesel	4XC1	4ZA1

YEARS	NO. OF CYLS	1984-on	4	1985-90	4	1981-on	4
BORE & STROKE	(MM)	93.000	102.000	77.000	79.000	82.000	75.000
	(IN)	3.6614	4.0157	3.0314	3.1102	3.2283	2.9527
PISTON HEAD TYPE		218		1			
PISTON ASSEMBLY KIT Sizes				4MKRY8053⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0200 @ 74.00		.0200 @ 43.50			
COMP HEIGHT	PIN DIA.	51.90	34.000	28.20	18.000		
LOCKING DEVICE		CC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		1.200 1.200 2.800			
CYLINDER SLEEVE/ASSEMBLY		RSA2922^(1, 5)					
RING SET Sizes Widths				M1801 STD/0.50/1.00 1.200 1.200 2.800		M1465⁽⁴⁾ STD 2.000 2.000 4.000	
				C1679⁽³⁾ STD/0.50/1.00 1.500 2.800		C1606⁽⁴⁾ STD 1.500 1.500 4.000	
				PS1801 1.200 1.200 2.800		PS1465⁽⁴⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000	
						PS1606⁽⁴⁾ STD 1.500 1.500 4.000	

LEGEND

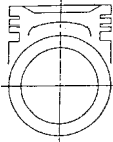
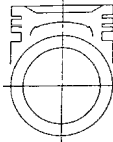
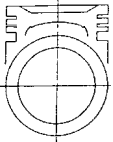
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2922 contains chrome liner.
 Liner outer diameter: 95.040mm.
 Flange diameter: 101.000mm.
 Flange depth: N/A.
 Flange width: 0.920mm.
 Liner length: 181.000mm.
- (2) 8053 piston supersedes 2785 piston.
- (3) C1679 suits 2785 piston which has 1 compression ring and 1 oil ring.
 M1801 suits some original pistons with 2 compression rings and 1 oil ring.
- (4) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (5) Contains armoured (Alfin) top ring groove.



1817cc Fargo; Shuttle 4ZB1 OHC Petrol	1994cc Shuttle 4ZC1	2254cc Rodeo 4ZD1
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YEARS	NO. OF CYLS	1982-87	4	1982-90	4	1985-on	4
BORE & STROKE	(MM)	84.000	82.000	88.000	82.000	89.300	90.000
	(IN)	3.3070	3.2283	3.4645	3.2283	3.5157	3.5433
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY2859 STD/0.20/0.40 4MKRY2859 STD/0.20/0.40		4MKRY2904 0.50/1.00		4KRY8030⁽²⁾ STD/0.50/1.00 4MKRY8030⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0250 @ 55.20		.0300 @ 42.00		.0300 @ 46.70	
COMP HEIGHT	PIN DIA.	36.70	22.000	37.00	22.000	33.85	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1570⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000 M1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1830 STD/0.50/1.00 1.500 1.500 4.000		C1817 STD/0.50/1.00 1.500 1.500 4.000 PS1817 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

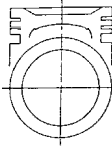

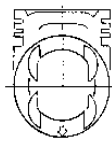
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1570 contains compression rings 2.00, 2.00mm M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.
- (2) 4KRY/MKRY8030 supersedes 4KRY/MKRY2905.



2559cc Trooper 4ZE1	2559cc Trooper 4ZE1	3165cc Trooper; Jackaroo; Fonte 6VD1
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YEARS	NO. OF CYLS	1987-92	4	1993-96	4	1992-on	6
BORE & STROKE	(MM)	92.600	95.000	92.600	95.000	93.400	77.000
	(IN)	3.6456	3.7401	3.6456	3.740	3.6771	3.0310
PISTON HEAD TYPE		22		239		212	
PISTON ASSEMBLY KIT Sizes		4KRY8031⁽¹⁾ STD/0.50/1.00 4MKRY8031⁽¹⁾ STD/0.50/1.00		4MKRY2992 STD/0.50/1.00		6MKRY2994 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 46.90		.0200 @		.0300 @	
COMP HEIGHT	PIN DIA.	36.40	23.000	36.10	23.000	31.750	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1818 STD/0.50/1.00 1.500 1.500 4.000 PS1818 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1818 STD/0.50/1.00 1.500 1.500 4.000		C1911 STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 4KRY/MKRY8031 supersedes 4KRY/MKRY2903.



2483cc MKII 2.4L	3442cc MKVII 3.4L	3442cc MKVII 3.5L
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YEARS	NO. OF CYLS	1949-69	6	1955-69	6	1949-54	6
BORE & STROKE	(MM)	83.000	76.500	83.000	106.000	83.000	106.000
	(IN)	3.2677	3.0118	3.2677	4.1732	3.2677	4.1732
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		PS366 STD/0.50/1.00 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



258ci Daimler Sovereign: E-Type; Mark X; Series I, II; XJ 4.2: XJS; XJ6: 420G 4.2L	258ci E-Type; Series I; XJ6 4.2L	258ci Daimler Sovereign: Series II, III; XJ6 4.2L
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YEARS	NO. OF CYLS	1965-72		1968-73		1973-86	
BORE & STROKE	(MM)	92.075	105.999	92.075	105.999	92.075	105.999
	(IN)	3.6250	4.1732	3.6250	4.1732	3.6250	4.1732
PISTON HEAD TYPE		15 		15 		15 	
PISTON ASSEMBLY KIT Sizes		6MKRY2956⁽²⁾ STD/020/030		6MKRY2956⁽²⁾ STD/020/030		6MKRY2956⁽²⁾ STD/020/030	
CLEARANCE & POSITION (From crown)		.0510 @ 29.00		.0510 @ 29.00		.0250 @ 60.30	
COMP HEIGHT	PIN DIA.	41.40	22.230	41.40	22.230	41.50	22.230
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.075 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		FSZ3625		FSZ3625		FSZ3625	
RING SET Sizes Widths		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1728⁽¹⁾ STD/020 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1728⁽¹⁾ STD/020 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1728⁽¹⁾ STD/020 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1357 has deep oil ring for ACL and some other aftermarket pistons. M1728 has shallow oil ring for original pistons.
- (2) 2956 piston gives 7.8:1 compression ratio. 2956 supersedes 2765 piston.

Leyland



1746cc Marina Morris 1746	1798cc Morris; Sherpa 'B' series	1798cc Sherpa 'B' series
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YEARS	NO. OF CYLS	1972-74	4	1964-78	4	1971-74	4
BORE & STROKE	(MM)	76.200	95.760	80.251	88.900	80.251	88.900
	(IN)	3.0000	3.7701	3.1595	3.5000	3.1595	3.5000
PISTON HEAD TYPE		6		6		6	
PISTON ASSEMBLY KIT Sizes		4MKRY2768 STD/020/040/060		4MKRY2711 STD/020/040/060		4MKRY2694 STD/020/030/040	
CLEARANCE & POSITION (From crown)		.0015 @ .82		.0015 @ 1.15		.0015 @ 1.15	
COMP HEIGHT	PIN DIA.	1.407	.813	1.64	.813	1.63	.813
LOCKING DEVICE		AC		SC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.062 .062 .156		.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B					
RING SET Sizes Widths		M1358 STD/020 .062 .062 .156 PS1358 STD .062 .062 .156		M1432 STD/040 .062 .062 .156 PS1432 STD/020 .062 .062 .156		M1432 STD/040 .062 .062 .156 PS1432 STD/020 .062 .062 .156	

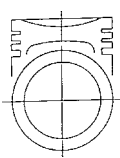
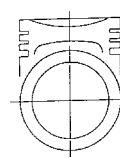
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2623cc Marina Morris 2623	4416cc P76; Truck Terrier 4.4L V8
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YEARS	NO. OF CYLS	1972-74	6	1973-80	8
BORE & STROKE	(MM)	76.174	95.760	88.900	88.900
	(IN)	2.9990	3.7701	3.5000	3.5000
PISTON HEAD TYPE		6		6	
PISTON ASSEMBLY KIT Sizes		4MKRY2768 STD/020/040/060		8KRY2579 STD/020	
CLEARANCE & POSITION (From crown)		.0015 @ .82		.0025 @ 1.06	
COMP HEIGHT	PIN DIA.	1.407	.813	1.87	.875
LOCKING DEVICE		AC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B		3500A 3500B	
RING SET Sizes Widths		M1359 STD/020 .062 .062 .156 M1739⁽¹⁾ STD .062 .062 .156		M1479 STD/040 .078 .078 .187 PS1479 STD/020 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

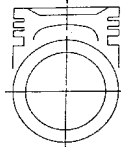
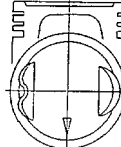
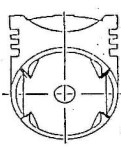
NOTES

(1) M1739 suits pistons with shallow oil ring groove.

Mazda



2555cc B2600; T2600 Mitsubishi G54B Low Comp	1323cc 121 Hatch B3 1.3L 8 Valve	1323cc 121 B3 1.3L 16 Valve
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YEARS	NO. OF CYLS	1978-85	4	1987-90	4	1991-on	4
BORE & STROKE	(MM)	91.100	98.000	71.000	83.600	71.000	83.600
	(IN)	3.5866	3.8582	2.7952	3.2913	2.7952	3.2913
PISTON HEAD TYPE		22 		64 		236 	
PISTON ASSEMBLY KIT		4KRY8017 STD/0.50/0.75/1.00/1.50 4MKRY8017 STD		4MKRY2890 STD/0.50/1.00		4MKRY2984 STD/0.50/1.00	
CLEARANCE & POSITION		.0200 @ 60.00		.0200 @ 48.00		.0200 @	
COMP HEIGHT	PIN DIA.	35.00	22.000	28.80	20.000	29.30	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.200 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1588 STD/0.50/0.75/1.00 2.000 2.000 4.000 M1684 STD/0.50/1.00 1.500 1.500 4.000 C1684 STD/0.50/1.00 1.500 1.500 4.000 PS1588 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1797 STD/0.50/1.00 1.200 1.500 3.000		C1797 STD/0.50/1.00 1.200 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1597cc 323 B6 SOHC 8 Valve	1597cc 323 B6 SOHC 16 Valve	1597cc MX-5 MX-5; 323 B6 DOHC 16 Valve
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YEARS	NO. OF CYLS	1985-90	4	1989-on	4	1985-on	4
BORE & STROKE	(MM)	78.000	83.600	78.000	83.600	78.000	83.600
	(IN)	3.0708	3.2913	3.0708	3.2913	3.0708	3.2913
PISTON HEAD TYPE		64 		202 		212 	
PISTON ASSEMBLY KIT Sizes		4KRY8041 ⁽¹⁾ STD/0.50/1.00 4MKRY8041 ⁽¹⁾ STD/0.50/1.00		4MKRY8042 ⁽²⁾ STD/0.50/1.00		4KRY8044 STD/0.50/1.00 4MKRY8044 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 46.70		.0200 @ 47.30		.0200 @ 47.30	
COMP HEIGHT	PIN DIA.	31.40	20.000	32.00	20.000	32.00	20.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B				3062B	
RING SET Sizes Widths		M1729 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1729 ⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1821 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000		M1821 STD/0.50/1.00 1.500 1.500 3.000 C1821 STD/0.50/1.00 1.500 1.500 3.000 PS1821 STD/0.50/1.00 1.500 1.500 3.000		M1729 ⁽³⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821 ⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000 C1821 ⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1821 ⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 4KRY/4MKRY8041 supersedes 4KRY/4MKRY2842 upon consumption of all 2842 pistons.

New 8041 piston uses M/PS1821 ring set with 1.5, 1.5, 3.0mm rings.

Old 2842 piston uses M/PS1729 ring set with 1.5, 1.5, 4.0mm rings.

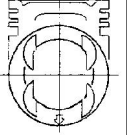
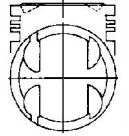
(2) 4KRY/4MKRY8042 supersedes 4KRY/4MKRY2902 upon consumption of all 2902 pistons.

(3) M/PS1729 ring set suits some original models with 1.5, 1.5, 4.0mm rings.
M/PS1821 ring sets suit 8044 piston.

Mazda



1597cc 323 B6 DOHC Turbo 16 Valve	1840cc 323 Astina SP BP SOHC	1840cc MX-5 MX-5; 323 Astina SP BP DOHC 16 Valve
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YEARS	NO. OF CYLS	1989-92	4	1989-91	4	1989-on	4	
BORE & STROKE	(MM)	78.000	83.600	83.000	85.000	83.000	85.000	
	(IN)	3.0708	3.2913	3.2677	3.3464	3.2677	3.3464	
PISTON HEAD TYPE				212 			213 	
PISTON ASSEMBLY KIT Sizes				4KRY8046 STD/0.50/1.00 4MKRY8046 STD/0.50/1.00			4KRY8047 STD/0.50/1.00 4MKRY8047 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0200 @ 46.20			.0200 @ 46.20	
COMP HEIGHT	PIN DIA.			30.20	20.000	30.20	20.000	
LOCKING DEVICE				AC			CC	
RING GROOVE WIDTHS				1.500 1.500 3.000			1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B						
RING SET Sizes Widths		M1729 STD/0.50/1.00 1.500 1.500 4.000			C1850 STD/0.50/1.00 1.500 1.500 3.000			C1850 STD/0.50/1.00 1.500 1.500 3.000
		PS1729 STD/0.50/0.75/1.00 1.500 1.500 4.000			PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000			PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000

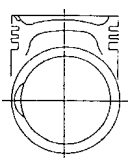
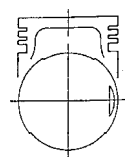
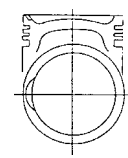
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1490cc 1400; 323	1296cc 323	1490cc 323
D5 SOHC Chain Drive	E3	E5 OHC Single Carburettor

YEARS	NO. OF CYLS	1981-86		1981-90		1981-85	
BORE & STROKE	(MM)	77.000	80.000	77.000	69.600	77.000	80.000
	(IN)	3.0314	3.1496	3.0314	2.7401	3.0314	3.1496
PISTON HEAD TYPE		133 		44 		133 	
PISTON ASSEMBLY KIT Sizes		4KRY8049⁽¹⁾ STD/0.50/1.00		4KRY8048⁽³⁾ STD/0.50/1.00		4KRY8049⁽¹⁾ STD/0.50/1.00	
		4MKRY8049 STD/0.50/1.00		4MKRY8048⁽³⁾ STD/0.50/0.75/1.00		4MKRY8049⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 43.90		.0200 @ 43.90		.0200 @ 43.90	
COMP HEIGHT	PIN DIA.	28.60	20.000	28.60	20.000	28.60	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.200 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000	
		M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000		M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000		M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000	
		PS1656^(2, 4) STD/0.50/0.75/1.00 1.200 1.500 4.000		PS1656^(2, 4) STD/0.50/0.75/1.00 1.200 1.500 4.000		PS1656^(2, 4) STD/0.50/0.75/1.00 1.200 1.500 4.000	
		PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000		PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000		PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000	

LEGEND

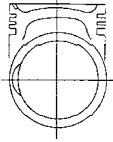
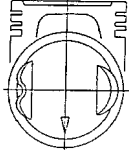
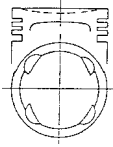
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 pistons. 8049 suits single carb. 4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.
- (2) M/PS1656 consists of 1.25, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 and M1657 use 1.50, 2.00 & 4.00 wide rings.
- (3) 4KRY/4MKRY8048 supersedes 4KRY/4MKRY2740 upon consumption of all 2740 pistons.
- (4) C1600 is an alternative ring set not listed and has a 1.5, 1.5, 4.00mm ring pack.



1490cc 323 E5 OHC Twin Carburettor	2184cc Bongo; 929 F2 SOHC 8 Valve	2184cc E2200; 2200; 626; 929 F2 SOHC 12 Valve EFI
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YEARS	NO. OF CYLS	1981-85	4	1987-92	4	1987-92	4
BORE & STROKE	(MM)	77.000	80.000	86.000	94.000	86.000	94.000
	(IN)	3.0314	3.1496	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE		133 		64 		148 	
PISTON ASSEMBLY KIT Sizes		4KRY8050 ⁽¹⁾ STD/0.50/1.00		4KRY8021 STD/0.50/1.00		4KRY8020 STD/0.50/1.00	
		4MKRY8050 ⁽¹⁾ STD/0.50/1.00		4MKRY8021 STD/0.50/1.00		4MKRY8020 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 43.90		.0300 @ 46.00		.0300 @ 46.50	
COMP HEIGHT	PIN DIA.	28.60	20.000	35.90	22.000	36.40	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1656 ⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000	
		M1657 ⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000		PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000	
		PS1656 ⁽²⁾ STD/0.50/0.75/1.00 1.200 1.500 4.000					
		PS1657 ⁽²⁾ STD/0.50/0.75/1.00 1.500 2.000 4.000					

LEGEND

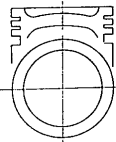

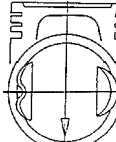
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 piston. 8049 suits single carb.
4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.
- (2) M/PS1656 consists of 1.25, 1.50 & 4.00 wide rings, which suits some original models.
4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 and 4.00 wide rings.



2184cc MX-6; 2200; 626 F2 2.2L 12 Valve Turbo EFI	1587cc Luce; 626 F6	1789cc Bongo; E1800; Luce; Traveller; 1800; 2000 F8 SOHC Belt Drive
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YEARS	NO. OF CYLS	1987-91	4	1982-87	4	1983-on	4
BORE & STROKE	(MM)	86.000	94.000	81.000	77.000	86.000	77.000
	(IN)	3.3858	3.7007	3.1889	3.0314	3.3858	3.0314
PISTON HEAD TYPE		148 		174 		64 	
PISTON ASSEMBLY KIT Sizes		4MKRY2963 STD/0.50/1.00		4MKRY2808 STD/0.50/1.00		4KRY2824 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.030 @		.0150 @		.0200 @	
COMP HEIGHT	PIN DIA.	36.500	22.000	34.00	22.000	33.70	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1825 STD/0.50/1.00 1.500 1.500 4.000 PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1719 STD/0.50/1.00 1.500 1.500 4.000 PS1719 STD/0.50/1.00 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1789cc Capella; E1800; 1800 F8 SOHC Belt Drive	1998cc E2000; Luce; Traveller; 1800; 2000; 626 FE SOHC Belt Drive	1998cc Bongo; E2000; 2000; 626; 929 FE SOHC EFI
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YEARS	NO. OF CYLS	1988-on	4	1982-87	4	1987-on	4
BORE & STROKE	(MM)	86.000	77.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.0314	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		64 		64 		64 	
PISTON ASSEMBLY KIT Sizes		4KRY2824 STD/0.50/1.00		4KRY2737 STD/0.50/0.75/1.00/1.50 4MKRY2737 STD/0.50/1.00/1.50		4KRY2824 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 60.80		.0200 @ 61.00		.0200 @ 60.80	
COMP HEIGHT	PIN DIA.	33.70	22.000	34.00	22.000	33.70	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc 626 FE-T Turbo SOHC	1998cc Capella FE-E DOHC	1998cc 626 FE-T DOHC
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YEARS	NO. OF CYLS	1987-on		1987-on		1987-on	
BORE & STROKE	(MM)	86.000	86.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT		PIN DIA.					
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 C1660 STD/0.50/1.00 1.500 1.500 4.000	

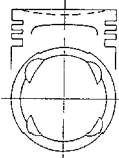
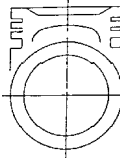
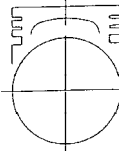
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1991cc 626	2606cc B2600	2977cc Bus Parkway; Commercial E series; E3000
FS DOHC 16 Valve EFI	G6 SOHC 12 Valve	HA OHC

YEARS	NO. OF CYLS	1993-96	4	1987-on	4	1977-89	4
BORE & STROKE	(MM)	83.000	92.000	92.000	98.000	95.025	105.000
	(IN)	3.2677	3.6220	3.6220	3.8582	3.7411	4.1338
PISTON HEAD TYPE		148 		22 		1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2943 0.50/1.00		4MKRY8064 STD/0.50/1.00		4MKRY2849 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0250 @ 50.00		.03 @ 67.5		.1400 @ 80.50	
COMP HEIGHT	PIN DIA.	29.90	19.000	35.8	23.000	58.50	31.750
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.50 1.50 4.00		2.380 2.380 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSY3740^(1, 2)	RSA2849^(1, 2)
RING SET Sizes Widths		C1857 STD/0.50/1.00 1.200 1.500 3.000		C1824 STD/0.50/1.00 1.500 1.500 4.000		M1737 STD/0.50/1.00 2.380 2.380 4.750	

LEGEND

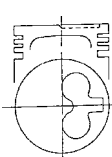
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2849 contain FSY3740R sleeve.
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (2) RSA2849 & RSA2849-SF contain semi-finished sleeve with:
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.



2977cc T3000 HA OHC	2954cc Luce; 929 JE SOHC V6 18 Valve EFI	2954cc MPV MPV; 929 JE DOHC V6
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YEARS	NO. OF CYLS	1980-89	4	1987-96	6	1990-95	6
BORE & STROKE	(MM)	95.000	105.000	90.000	77.400	90.000	77.400
	(IN)	3.7401	4.1338	3.5433	3.0472	3.5433	3.0472
PISTON HEAD TYPE		10 					
PISTON ASSEMBLY KIT Sizes		4MKRY2872⁽³⁾ STD					
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	53.50	30.000				
LOCKING DEVICE		SC					
RING GROOVE WIDTHS		2.380 2.380 4.750					
CYLINDER SLEEVE/ASSEMBLY		FSY3740⁽¹⁾	RSA2872^(1, 3)				
RING SET Sizes Widths		M1737 STD/0.50/1.00 2.380 2.380 4.750		C1831 STD 1.500 1.500 4.000		C1831 STD 1.500 1.500 4.000	

LEGEND

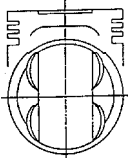
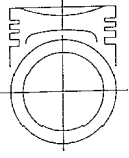
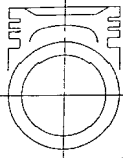
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2872 contains FSY3740R sleeve.
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (3) Contains armoured (Alfin) top ring groove.



2496cc Eunos; MX-6; 626; 929	1970cc 121 Hatch; 2000; 626; 929	1970cc 1600; 1800; 2000; 626; 929
KL V6 DOHC	MA OHC Circlip	MA OHC Press Fit

YEARS	NO. OF CYLS	1992-on	6	1973-78	4	1978-83	4
BORE & STROKE	(MM)	84.500	74.200	80.000	98.000	80.000	98.000
	(IN)	3.3267	2.9212	3.1496	3.8582	3.1496	3.8582
PISTON HEAD TYPE		194 		6 		22 	
PISTON ASSEMBLY KIT Sizes		6MKRY2961 STD/0.50/1.00		4KRY2626⁽¹⁾ STD/0.50/1.00/1.50		4KRY2937^(1,3) STD/0.50/1.00/1.50 4MKRY2937^(1,3) STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 44.00		.0400 @ 22.00			
COMP HEIGHT	PIN DIA.	29.15	20.000	35.58	22.000	36.20	20.000
LOCKING DEVICE		AC		SC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		2.000 2.000 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1868 STD/0.50/1.00 1.500 1.500 3.000		M1599⁽²⁾ STD 1.200 1.500 4.000 M1655⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 M1707⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 C1599⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000		M1599⁽²⁾ STD 1.200 1.500 4.000 M1655⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 C1599⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000 PS1599⁽²⁾ STD/0.50/1.00/1.50 1.500 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models.
2626 piston is 22mm pin/circlip application and suits 1973-1978 models.
- (2) Alternative ring sets but not listed above in catalogue:
C/PS1476 containing 2.0, 2.0, 4.00mm rings.
- (3) Piston 2937 supersedes both 2698 and 2736.



1586cc Capella; Commercial B series; E1600; 1500; 1600; 1800; 616; 808 NA OHC	1586cc Capella; 1600 NA OHC	987cc Bongo; Familia PB OHV
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YEARS	NO. OF CYLS	1971-78	4	1978-82	4	1967-69	4	
BORE & STROKE	(MM)	78.000	83.000	78.000	83.000	68.000	68.000	
	(IN)	3.0708	3.2677	3.0708	3.2677	2.6771	2.6771	
PISTON HEAD TYPE		15		15				
PISTON ASSEMBLY KIT Sizes		4KRY2647 0.50/1.00/1.50		4KRY2706 STD/0.50/0.75/1.00/1.50				
CLEARANCE & POSITION (From crown)		.0500 @ 24.00		.0500 @ 24.50				
COMP HEIGHT	PIN DIA.	38.07	22.000	38.45	20.000			
LOCKING DEVICE		SC		AC				
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 4.000				
CYLINDER SLEEVE/ASSEMBLY								
RING SET Sizes Widths		M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000 M1790 STD 1.500 2.000 4.000 PS1604 STD/0.50/1.00/1.50 1.200 1.500 4.000		C1333 STD 2.000 2.000 4.000 PS1333 STD 2.000 2.000 4.000		

LEGEND

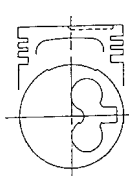
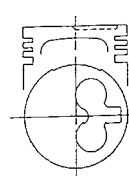
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mazda



985cc Familia; Presto PC	2184cc Commercial E series; E2200 2000; 2200; 626 R2 Diesel	2184cc B2200 Bravo E2200 Courier R2 Diesel
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YEARS	NO. OF CYLS	1970-78	4	1978-92	4	1992-96	4
BORE & STROKE	(MM)	70.000	64.000	86.000	94.000	86.000	94.000
	(IN)	2.7559	2.5196	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE				10 		10 	
PISTON ASSEMBLY KIT Sizes				4MKRY2848⁽²⁾ STD/0.50/1.00		4MKRY2983 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0400 @ 56.30		47.200 @	
COMP HEIGHT	PIN DIA.			47.30	25.000	47.200	26.000
LOCKING DEVICE				SC		CC	
RING GROOVE WIDTHS				2.000 2.000 4.000		2.000 2.000 3.000	
CYLINDER SLEEVE/ASSEMBLY				FSZ3386-SF⁽¹⁾ RSA2848-SF^(1,2)			
RING SET Sizes Widths		C1352 STD 2.000 2.000 4.000		M1733 STD/0.50/1.00 2.000 2.000 4.000		M1909 STD/0.50/1.00 2.000 2.000 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2848-SF contains PSZ3386-SF.
PSZ3386-SF is a plain semi-finished liner.
Liner outer diameter: 90.00mm.
Liner length: 180.00mm.
- (2) 2848 pistons suit to 1990.
1990 on uses short skirt version piston
which is currently not a stock item.



1998cc Capella; 626 RF Diesel OHC	2209cc Bongo; Commercial B series E series; E2200; Luce; 2200 S2 Diesel	3455cc T3500 SL Diesel
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YEARS	NO. OF CYLS	1978-92		1979-on		1984-89	
BORE & STROKE	(MM)	86.000	86.000	88.900	89.000	100.000	110.000
	(IN)	3.3858	3.3858	3.5000	3.5039	3.9370	4.3307
PISTON HEAD TYPE		10 		95 		158 	
PISTON ASSEMBLY KIT Sizes		4MKRY2848⁽²⁾ STD/0.50/1.00		4MKRY2741 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0400 @ 56.30		.0800 @ 75.00			
COMP HEIGHT	PIN DIA.	47.30	25.000	50.75	28.000	58.00	34.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.380 2.380 4.750		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSZ3386-SF⁽¹⁾	RSA2848-SF⁽¹⁾	FSZ3500^(1, 2)	RSA2741^(1, 2)	FSX3937^(3, 4)	RSA2873^(3, 4)
RING SET Sizes Widths		M1733 STD/0.50/1.00 2.000 2.000 4.000		C1658 STD/0.50/1.00 2.380 2.380 4.750			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2741 contains FSZ3500 sleeve.
 Liner outer diameter: 96.920mm.
 Flange diameter: 100.940mm.
 Flange depth: 0.630mm.
 Flange width: 3.775mm.
 Liner length: 166.900mm.

(3) FSX3937 is 'B' grade liner with:
 Liner outer diameter: 103.485mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.

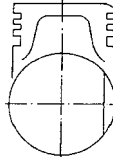
(2) RSA2741-SF contains FSZ3500-SF semi-finished sleeve.
 Liner outer diameter: 96.840mm.
 Flange diameter: 101.000mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 167.100mm.

(4) RSA2873 contains 'A' grade liner with:
 Liner outer diameter: 103.470mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.

Mazda



1169cc Bongo; 1200 TB OHV	1272cc Familia; 1300; 323; 808 TC OHC	1484cc Bus Craft; Duc9 UA
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YEARS	NO. OF CYLS	1968-74	4	1970-80	4	1971-77	4
BORE & STROKE	(MM)	70.000	76.000	73.000	76.000	75.000	84.000
	(IN)	2.7559	2.9921	2.8740	2.9921	2.9527	3.3070
PISTON HEAD TYPE				37 			
PISTON ASSEMBLY KIT Sizes				4KRY2595⁽¹⁾ STD/0.50/1.00/1.50 4MKRY2595⁽¹⁾ 0.50/1.50			
CLEARANCE & POSITION (From crown)				.0400 @ 23.80			
COMP HEIGHT	PIN DIA.			36.52	20.000		
LOCKING DEVICE				CC			
RING GROOVE WIDTHS				2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1352 STD 2.000 2.000 4.000		C1112⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000 C1589⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1112⁽¹⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1589⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		PS1414 STD 2.500 2.500 4.000	

LEGEND

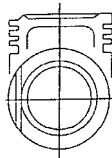
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2595, C1112, suits to chassis number
FA4TS718569, March 78. Piston 2708, C1589
fits E1300 models 1978-80.
C1589 contents 8-1.5mm, 4-4.0mm.
Also 2708 is a press fit piston.



1490cc Luce; 1500	1415cc Commercial E series; 1400; 323	1796cc E2000; 1600; 1800; 929
UB OHC	UC SOHC Chain Drive	VB OHC

YEARS	NO. OF CYLS	1970-74	4	1978-81	4	1969-78	4
BORE & STROKE	(MM)	78.000	78.000	77.000	76.000	78.000	94.000
	(IN)	3.0708	3.0708	3.0314	2.9921	3.0708	3.7007
PISTON HEAD TYPE				58 			
PISTON ASSEMBLY KIT Sizes				4KRY2699 0.50/1.00/1.50 4MKRY2699 0.50			
CLEARANCE & POSITION (From crown)				.0400 @ 22.00			
COMP HEIGHT	PIN DIA.			30.58	20.000		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1249 STD/040 2.000 2.000 4.000		C1600 STD/0.50/1.00 1.500 1.500 4.000 PS1600 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000 M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.200 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1769cc 121 Hatch; 1400; 1600; 1800; 929 VC OHC	2500cc Bravo WL 2.5L	4052cc Boxer Boxer; Commercial E series; Titan; 4100 ZB Diesel
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YEARS	NO. OF CYLS	1973-78	4	1996-on	4	1972-83	6
BORE & STROKE	(MM)	80.000	88.000	93.000		92.000	101.600
	(IN)	3.1496	3.4645	3.6614		3.6220	4.0000
PISTON HEAD TYPE		6		149		1	
PISTON ASSEMBLY KIT Sizes		4KRY2626⁽¹⁾ STD/0.50/1.00/1.50		4MKRY2988 STD/0.50/1.00		6MKRY2814 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 22.00		.0400 @		.0900 @ 114.00	
COMP HEIGHT	PIN DIA.	35.58	22.000	47.800	22.000	60.20	31.750
LOCKING DEVICE		SC		SC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 3.000		2.380 2.380 2.380 4.750 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSZ3622^(3, 4)	RSA2814^(3, 4)
RING SET Sizes Widths		C1476⁽²⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1476⁽²⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000		C1905 STD/0.50/1.00 2.500 2.000 3.000		C1609⁽⁵⁾ STD/0.50/1.00 2.380 2.380 2.380 4.750 4.750	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models. 2626 piston is 22mm pin/circlip application and suits 1973-1978 models.

(2) Alternative ring sets but not listed in catalogue above:
 C/PS1599 contains 1.2, 1.5, 4.0mm; M1707 contains 1.5, 1.5, 4.0mm; M1655 contains 1.5, 2.0, 4.0mm rings.

(3) RSA2814 & 2874 contain FSZ3622 sleeve.
 Liner outer diameter: 96.888mm.
 Flange diameter: 100.715mm.

Flange depth: 0.740mm.
 Flange width: 3.825mm.
 Liner length: 190.800mm

(4) RSA2814-SF contains FSZ3622-SF semi-finished sleeve.
 Liner outer diameter: 96.888mm.
 Flange diameter: 100.715mm.
 Flange depth: 0.740mm.
 Flange width: 3.825mm.
 Liner length: 190.800mm.

(5) C1609 is a 2 cylinder set.



4052cc Commercial T Series ZB Diesel		
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YEARS	NO. OF CYLS	1983-87	6		
BORE & STROKE	(MM)	92.000	101.600		
	(IN)	3.6220	4.0000		
PISTON HEAD TYPE		1			
PISTON ASSEMBLY KIT		6MKRY2874			
Sizes		STD			
CLEARANCE & POSITION		.0300 @ 93.00			
(From crown)					
COMP HEIGHT	PIN DIA.	60.30	31.750		
LOCKING DEVICE		SC			
RING GROOVE WIDTHS		2.380 2.380 4.760			
CYLINDER SLEEVE/ASSEMBLY		FSZ3622⁽¹⁾	RSA2874⁽¹⁾		
RING SET		C1774			
Sizes		STD			
Widths		2.400 2.400 4.800			

LEGEND

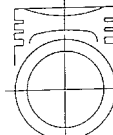
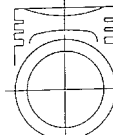
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2874-SF contains FSZ3622-SF semi-finished sleeve.
- Liner outer diameter: 96.888mm.
 - Flange diameter: 100.715mm.
 - Flange depth: 0.740mm.
 - Flange width: 3.825mm.
 - Liner length: 190.800mm.



948cc Midget Leyland 'A' series	1098cc 1100 Leyland 'A' series	1098cc Midget Leyland 'A' series
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YEARS	NO. OF CYLS	1961-63	4	1969-81	4	1964-68	4
BORE & STROKE	(MM)	62.940	76.200	64.592	83.738	64.592	83.738
	(IN)	2.4779	3.0000	2.5429	3.2967	2.5429	3.2967
PISTON HEAD TYPE				6 			6 
PISTON ASSEMBLY KIT				4MKRY2717⁽²⁾ 040/060			4KRY2714 STD/020/040/060
CLEARANCE & POSITION (From crown)				.0010 @ .78			.0010 @ .81
COMP HEIGHT	PIN DIA.			1.17	.625	1.17	.625
LOCKING DEVICE				CC			CC
RING GROOVE WIDTHS				.062 .078 .156			.062 .062 .062 .125
CYLINDER SLEEVE/ASSEMBLY				2543B			2543B
RING SET		C1217 030/040 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125		M1259⁽²⁾ STD/020/040/060 .062 .078 .156		M1145 STD/020/030/040/060 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125 M1259⁽²⁾ STD/020/040/060 .062 .078 .156	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) C981 original piston only. (2) 2717 piston is 3 ring piston and uses M1259 ring set.



1275cc 1300 Leyland 'A' series	1489cc Magnette; MGA 1500; ZA; ZB Leyland 'B' series	1798cc MGB Leyland 'B' series
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YEARS	NO. OF CYLS	1967-73	4	1954-59	4	1962-64	4
BORE & STROKE	(MM)	70.640	81.330	73.025	88.900	80.251	88.900
	(IN)	2.7811	3.2019	2.8750	3.5000	3.1594	3.5000
PISTON HEAD TYPE		22					
PISTON ASSEMBLY KIT Sizes		4MKRY2272 STD/020/040/060					
CLEARANCE & POSITION (From crown)		.0015 @ 1.00					
COMP HEIGHT	PIN DIA.	1.47	.813				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.062 .062 .062 .156					
CYLINDER SLEEVE/ASSEMBLY				2875A 2875B		3150B	
RING SET Sizes Widths		C1251 STD/020/040/060 .062 .062 .062 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		C1361 STD .078 .078 .156		M3088 STD/040 .062 .062 .062 .156 PS3088 020 .062 .062 .062 .156	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES



1798cc MGB Leyland 'B' series	1798cc MGB Leyland 'B' series	1798cc MGB Leyland 'B' series
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YEARS	NO. OF CYLS	1963-72	4	1971-74	4	1971-76	4
BORE & STROKE	(MM)	80.260	88.900	80.251	88.900	80.266	88.900
	(IN)	3.1598	3.5000	3.1595	3.5000	3.1600	3.5000
PISTON HEAD TYPE		6 		6 		6 	
PISTON ASSEMBLY KIT Sizes		4MKRY2711 ⁽¹⁾ STD/020/040/060		4MKRY2694 ⁽¹⁾ STD/020/030/040		4MKRY2709 ⁽¹⁾ 020/040	
CLEARANCE & POSITION (From crown)		.0015 @ 1.15		.0015 @ 1.15		.0015 @ .91	
COMP HEIGHT	PIN DIA.	1.64	.813	1.63	.813	1.65	.813
LOCKING DEVICE		SC		AC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.062 .062 .156		.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		3150B					
RING SET Sizes Widths		M1432 STD/040 .062 .062 .156		M1432 STD/040 .062 .062 .156		M1432 STD/040 .062 .062 .156	
		PS1432 STD/020 .062 .062 .156		PS1432 STD/020 .062 .062 .156		PS1432 STD/020 .062 .062 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2709 and 2711 pistons have 3.8mm deep bowl.
2694 piston has 9.1mm deep bowl.



3528cc
MGB-GT

Triumph 3528 V8

YEARS	NO. OF CYLS	1973-76	8		
BORE & STROKE	(MM)	88.900	71.120		
	(IN)	3.5000	2.8000		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1445 STD .078 .078 .187			

LEGEND PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



3298cc Bus; Canter 4D30 Diesel	3298cc Canter 4D31 Diesel	3298cc Canter; Trucks 4D32A
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YEARS	NO. OF CYLS	1978-82	4	1982-on	4	1985-on	4
BORE & STROKE	(MM)	100.000	105.000	100.000	105.000	100.000	105.000
	(IN)	3.9370	4.1338	3.9370	4.1338	3.9370	4.1338
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths	C1775 STD 3.000 2.000 5.000		C1775 STD 3.000 2.000 5.000		C1874 STD 3.000 2.000 4.000		
	C1873 STD 3.000 2.000 4.000		C1873 STD 3.000 2.000 4.000				

LEGEND

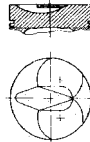
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



3907cc Trucks 4D34	3298cc Canter 4D31 Turbo Diesel.	2346cc L200, 4WD; Pajero, NA, NB, NC 4D55 Diesel
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YEARS	NO. OF CYLS	1991-on	4	1986-89	4	1980-86	4
BORE & STROKE	(MM)	104.000	115.000	100.000	105.000	91.100	90.000
	(IN)	4.0944	4.5275	3.9370	4.1338	3.5866	3.5433
PISTON HEAD TYPE						206	
PISTON ASSEMBLY KIT Sizes						4MKRY2957⁽¹⁾ STD	
CLEARANCE & POSITION (From crown)						.0300 @ 73.00	
COMP HEIGHT	PIN DIA.					48.70	29.000
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY						FSZ3587-SF⁽²⁾ RSA2957-SF⁽²⁾	
RING SET Sizes Widths		C1874 STD 3.000 2.000 4.000		C1832 STD/020/040 3.000 2.000 5.000		C1776⁽³⁾ STD 2.500 2.000 4.000	
				C1873 STD 3.000 2.000 4.000		C1883⁽⁴⁾ STD 2.000 2.000 4.000	



LEGEND

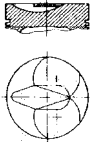
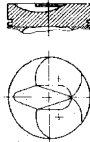
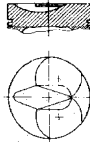
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2957 piston supersedes 2876 piston.
- (2) RSA2957-SF contain FSZ3587-SF semi-finished sleeve
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain.
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (3) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular top ring.



2346cc Pajero NA, NB, NC	2476cc Express SH SH; Express SJ SJ; L300; Pajero; Triton ME, MF, MG	2477cc Express SH SH; Express SJ SJ; Pajero, ND, NE, NF, NG, NH; Triton MH, MJ
4D55T Turbo Diesel	4D56 Diesel	4D56T Turbo Diesel

YEARS	NO. OF CYLS	1980-86	4	1986-92	4	1985-93	4
BORE & STROKE	(MM)	91.100	90.000	91.100	95.000	91.100	95.000
	(IN)	3.5866	3.5433	3.5866	3.7401	3.5866	3.7401
PISTON HEAD TYPE		206 		206 		206 	
PISTON ASSEMBLY KIT Sizes		4MKRY2877⁽⁵⁾ STD		4MKRY2957⁽³⁾ STD		4MKRY2877⁽⁵⁾ STD	
CLEARANCE & POSITION (From crown)				.0300 @ 73.00			
COMP HEIGHT	PIN DIA.	48.70	29.000	48.70	29.000	48.70	29.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3587-SF⁽¹⁾ RSA2877-SF^(1, 5)		FSZ3587-SF⁽¹⁾ RSA2957-SF⁽¹⁾		FSZ3587-SF⁽¹⁾ RSA2877-SF^(1, 5)	
RING SET Sizes Widths		C1777⁽²⁾ STD 2.500 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1776⁽²⁾ STD 2.500 2.000 4.000 C1883⁽⁴⁾ STD 2.000 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1777 STD 2.500 2.000 4.000	

LEGEND

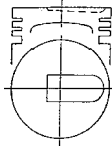
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2877-SF & RSA2957-SF contain FSZ3587-SF semi-finished sleeve.
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain.
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (2) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.
- (3) 2957 piston supersedes 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular top ring.
- (5) Contains armoured (Alfin) top ring groove.



2659cc Canter; Jeep	3988cc Canter	1244cc Lancer; Tredia
4DR5 Diesel	6DR5 Diesel	G11B

YEARS	NO. OF CYLS	1970-on	4	1970-on	6	1977-86	4
BORE & STROKE	(MM)	92.000	100.000	92.000	100.000	69.500	82.000
	(IN)	3.6220	3.9370	3.6220	3.9370	2.7362	3.2283
PISTON HEAD TYPE		143 					
PISTON ASSEMBLY KIT Sizes		4MKRY2852 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.1200 @ 94.50					
COMP HEIGHT	PIN DIA.	52.50	28.000				
LOCKING DEVICE		CC					
RING GROOVE WIDTHS		2.500 2.000 2.000 4.500					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1746 STD/0.50/1.00 2.500 2.000 2.000 4.500		C1765 STD 2.500 2.000 4.500		M1693 STD 1.500 1.500 4.000	

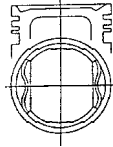
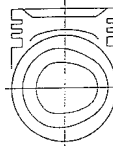
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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Mitsubishi



1410cc Colt RA; Tredia G12B Orion Belt Drive	1468cc Colt; Lancer, CA 4G15 8 Valve Carb SOHC	1468cc Lancer CA 4G15 8 Valve MPI SOHC
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YEARS	NO. OF CYLS	1977-86	4	1988-90	4	1989-90	4
BORE & STROKE	(MM)	74.000	82.000	75.500	82.000	75.500	82.000
	(IN)	2.9133	3.2283	2.9724	3.2283	2.9724	3.2283
PISTON HEAD TYPE				119 		188 	
PISTON ASSEMBLY KIT Sizes				4KRY2932 STD/0.50/1.00 4MKRY2932 STD/0.50/1.00		4KRY8039⁽¹⁾ STD/0.50/1.00 4MKRY8039⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0300 @ 51.00		.0200 @ 45.50	
COMP HEIGHT	PIN DIA.			29.00	18.000	29.10	18.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1565 STD/0.50 1.500 1.500 4.000 PS1565 STD 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1829 STD/0.50/1.00 1.200 1.500 3.000 C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

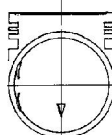
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons 8039 suits EFI model and has egg shaped bowl in crown.
2932 suits carb models and has 4 valve pockets in crown.



1468cc Lancer CC; Lancer CB, CE 4G15 SOHC 12 Valve	1289cc Galant GA; Valiant 4G30 SOHC Chain Drive	1499cc Galant, GA; Valiant 4G31 SOHC Chain Drive
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YEARS	NO. OF CYLS	1990-on	4	1969-73	4	1969-74	4
BORE & STROKE	(MM)	75.500	82.000	73.000	77.000	74.500	86.000
	(IN)	2.9724	3.2283	2.8740	3.0314	2.9330	3.3858
PISTON HEAD TYPE		217					
							
PISTON ASSEMBLY KIT Sizes		4MKRY8040 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 45.00					
COMP HEIGHT	PIN DIA.	28.60	18.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.200 1.500 3.000					
CYLINDER SLEEVE/ASSEMBLY				2875A			
RING SET Sizes Widths		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000 C1829 STD/0.50/1.00 1.200 1.500 4.000		C1363 STD/0.50 2.000 2.000 4.000 PS1363 STD/0.50/1.00 2.000 2.000 4.000		C1371 STD 2.000 2.000 4.000	

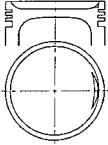
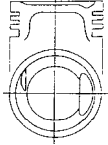
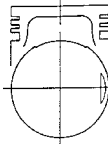
LEGEND PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

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Mitsubishi



1597cc Galant GB, GC, GD; L300; Sigma GE; Valiant	1597cc Colt, RA, RB, RC, RD, RE; Cordia, AA; Galant; Lancer LB; L300; Nimbus Wagon; Sigma, GH, GJ, GK; Tredia	1439cc Galant GB, GC; Lancer LA; Valiant
4G32 SOHC Chain Drive	G32B Saturn Belt Drive	4G33 Saturn Chain Drive

YEARS	NO. OF CYLS	1971-78	4	1977-85	4	1973-82	4
BORE & STROKE	(MM)	76.900	86.000	76.900	86.000	73.000	86.000
	(IN)	3.0275	3.3858	3.0275	3.3858	2.8740	3.3858
PISTON HEAD TYPE		48		123		44	
PISTON ASSEMBLY KIT		4KRY2572		4KRY2705		4MKRY2563	
Sizes		STD/0.50/1.00/1.50		STD/0.50/0.75/1.00		0.50/1.00	
				4MKRY2705			
				STD/0.50/0.75/1.00/1.50			
CLEARANCE & POSITION		.0400 @ 23.00		.0400 @ 23.00		.0012 @ .89	
(From crown)							
COMP HEIGHT	PIN DIA.	33.60	19.000	33.00	19.000	1.26	.749
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY						2875A 2875B	
RING SET		C1430		C1603		C1363	
Sizes		STD/0.50/1.00/1.50		STD/0.50/1.00/1.50		STD/0.50	
Widths		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
		PS1430		PS1603		PS1363	
		STD/0.50/0.75/1.00/1.50		STD/0.50/0.75/1.00/1.50		STD/0.50/1.00	
		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	

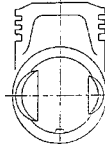
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1238cc Celeste; Colt; Galant; Lancer; Valiant 4G36 Chain Drive	1755cc Cordia AB, AC; Nimbus UA, UB, Wagon 4G37 Saturn Belt Drive	1855cc Colt; Galant; Sigma 4G51
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YEARS	NO. OF CYLS	1975-85	4	1980-89	4	1974-80	4
BORE & STROKE	(MM)	73.000	74.000	80.600	86.000	81.000	90.000
	(IN)	2.8740	2.9133	3.1732	3.3858	3.1889	3.5433
PISTON HEAD TYPE				85 			
PISTON ASSEMBLY KIT Sizes				4KRY2945 STD/0.50/1.00 4MKRY2945 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				.0300 @ 65.00			
COMP HEIGHT	PIN DIA.			33.50	19.000		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B					
RING SET Sizes Widths	C1363		STD/0.50 2.000 2.000 4.000		C1810		STD/0.50/1.00 1.500 1.500 4.000
	C1589		STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1810		STD/0.50/1.00 1.500 1.500 4.000
	PS1363		STD/0.50/1.00 2.000 2.000 4.000				
	PS1589		STD/0.50/1.00 1.500 1.500 4.000				
						C1540	
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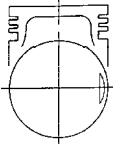
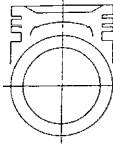
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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Mitsubishi



1995cc L200; Scorpion; Sigma, GE, GK, GN 4G52 Astron Chain Drive	2384cc Canter; Challenger; Colt; Jeep 4G53	2555cc Sigma GK, GN 4G54 Hi Comp Chain Drive
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YEARS	NO. OF CYLS	1974-86	4	1974-78	4	1985-86	4
BORE & STROKE	(MM)	84.000	90.000	88.000	98.000	91.100	98.000
	(IN)	3.3070	3.5433	3.4645	3.8582	3.5866	3.8582
PISTON HEAD TYPE		44 				22 	
PISTON ASSEMBLY KIT Sizes		4KRY2691 STD/0.50/1.00				4KRY2889 STD/0.50/1.00/1.50 4MKRY2889 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0400 @ 29.50				.0250 @ 52.00	
COMP HEIGHT	PIN DIA.	39.82	22.000			36.00	22.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		2.000 2.000 4.000				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3312B					
RING SET Sizes Widths		M1570 STD/0.50/1.00 2.000 2.000 4.000 PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		PS1788 STD/0.50/1.00 2.000 2.000 4.000		M1588⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000 M1684⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1588⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1684 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1588 suits pistons with 2.00/2.00/4.00mm ring combination.
M/1684 suits pistons with 1.50/1.50/4.00mm rings.
- (2) Piston 2726 superseded by 2844. 2726 uses M1588 rings and 2844 uses M1684.



2555cc Canter; Pajero NA, NB, NC, ND; Scorpion, GJ, GK, GL; Sigma GE, GH, GJ, GK, GL; Triton 4G54 Low Comp	2555cc Magna TM, TN, TP, TR; Pajero NE, NF, NG, NH; Triton ME, MF, MG, MH, MJ 4G54 Carb & MPI Low Comp	2555cc Magna TM, TN, TP, TR, TS; Pajero NE, NF, NG, NH; Triton ME, MF, MG, MH, MJ 4G54 Carb & MPI
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YEARS	NO. OF CYLS	1978-85	4	1985-94	4	1985-94	4
BORE & STROKE	(MM)	91.100	98.000	91.100	98.000	91.100	98.000
	(IN)	3.5866	3.8582	3.5866	3.8582	3.5866	3.8582
PISTON HEAD TYPE		22		22		1	
PISTON ASSEMBLY KIT Sizes		4KRY2725 STD/0.50/0.75/1.00/1.50		4KRY2889⁽²⁾ STD/0.50/1.00/1.50		4KRY2844⁽²⁾ 0.50/1.00	
		4MKRY2725 STD		4MKRY2889⁽²⁾ STD/0.50/1.00/1.50		4MKRY2844⁽²⁾ STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0200 @ 60.00		.0250 @ 52.00		.0250 @ 52.00	
COMP HEIGHT	PIN DIA.	35.00	22.000	36.00	22.000	36.00	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1588⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000	
		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		PS1684⁽¹⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		PS1684⁽¹⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	
		C1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000					
		PS1588⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.00 2.00 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

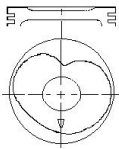
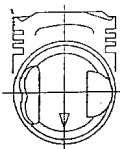
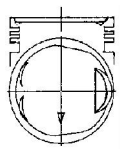
NOTES

- (1) M/PS1588 suits pistons with 2.00/2.00/4.00mm ring combination.
C/M/PS1684 suits pistons with 1.50/1.50/4.00mm rings.
- (2) 2889 is a low comp version of 2844.
2889 has a small dish in the crown and lowers compression ratio by 0.5 of a ratio. Used when reconditioning to maintain original 8.8:1 compression ratio.

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2555cc Magna TS 4G54 Astron MPI Chain Drive	1795cc Cordia AA, AB, AC; L300 4G62 Sirius Belt Drive	1795cc Cordia AA, AB, AC, Turbo 4G62 Turbo Belt Drive
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YEARS	NO. OF CYLS	1994-97	4	1980-87	4	1984-87	4
BORE & STROKE	(MM)	91.100	98.000	80.600	88.000	80.600	88.000
	(IN)	3.5866	3.8582	3.1732	3.4645	3.1732	3.4645
PISTON HEAD TYPE		226 		174 		211 	
PISTON ASSEMBLY KIT Sizes		4MKRY2933 STD/0.50/1.00		4KRY2748 STD/0.50/1.00		4MKRY2942 0.50/1.00	
CLEARANCE & POSITION (From crown)		.0250 @ 52.00		.0300 @ 62.00		.0250 @ 65.00	
COMP HEIGHT	PIN DIA.	36.50	22.000	34.90	21.000	34.80	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.000 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1684 STD/0.50/1.00 1.500 1.500 4.000 PS1684 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		C1667 STD/0.50/1.00 2.000 2.000 4.000 C1810 STD/0.50/1.00 1.500 1.500 4.000 PS1667 STD/0.50/1.00 2.000 2.000 4.000 PS1810 STD/0.50/1.00 1.500 1.500 4.000		C1810 STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1997cc L300, SA, SB, SC, SD, SE; Starwagon SG, SH 4G63 Sirius Leaded Belt Drive	1997cc Starion Turbo G63BT Sirius Belt Drive	1997cc Express SF, SF; Express SG SG; Express SH, SH; L300; Starwagon SF 4G63 Sirius ULP Belt Drive
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YEARS	NO. OF CYLS	1980-85	4	1980-on	4	1986-92	4
BORE & STROKE	(MM)	85.000	88.000	85.000	88.000	85.000	88.000
	(IN)	3.3464	3.4645	3.3464	3.4645	3.3464	3.4645
PISTON HEAD TYPE		174				211	
PISTON ASSEMBLY KIT Sizes		4KRY2893⁽¹⁾ 0.50/1.00 4MKRY2893⁽¹⁾ 0.50/1.00				4KRY8028⁽¹⁾ STD/0.50/1.00 4MKRY8028⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 53.50				.0250 @ 55.20	
COMP HEIGHT	PIN DIA.	35.00	21.000			35.10	21.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.500 1.500 4.000				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1654⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 M1694⁽²⁾ STD/0.50/1.00 2.000 2.000 4.000 PS1654⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1694⁽²⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000		M1654⁽³⁾ STD/0.50/1.00 1.500 1.500 4.000 M1694⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000		M1654 STD/0.50/1.00 1.500 1.500 4.000 PS1654 STD/0.50/1.00 1.500 1.500 4.000	

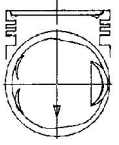
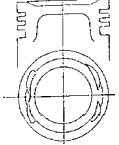
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES (1) 2893 piston has bowl depth 1.1mm and bowl capacity 9.5cc. 8028 piston has bowl depth 2.5mm and bowl capacity 12.3cc. 2893 suitable in leaded engines and will produce compression ratio 0.5 of a unit higher than 8028. Where excess material has been removed from cylinder head during reconditioning, it is recommended to use 8028 piston in all cases. If LPG is being used 2893 piston is better suited.	(2) * M1654 & PS1654 suit 8028 & 2893 pistons. * M1694 & PS1694 suit early OEM piston with 2.0, 2.0, 4.00mm ring grooves.	(3) Ringset M/PS1654 suits 1987-on has 1.5mm comp. rings, 1694 has 2mm comp. rings.
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Mitsubishi



1997cc Express SH SH; Express SJ SJ; L200; L300; Starwagon SH, WA 4G63 SOHC Belt Drive	1997cc Galant HG, HH 4G63 DOHC 16 Valve	1997cc Galant HH, HJ 4G63 DOHC 16 Valve
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YEARS	NO. OF CYLS	1992-on	4	1989-92	4	1992-on	4
BORE & STROKE	(MM)	85.000	88.000	85.000	88.000	85.000	88.000
	(IN)	3.3464	3.4645	3.3464	3.4645	3.3464	3.4645
PISTON HEAD TYPE		211 		8 			
PISTON ASSEMBLY KIT Sizes		4MKRY8051 STD/0.50/1.00		4MKRY8029⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0250 @ 55.20		.0250 @ 55.00			
COMP HEIGHT	PIN DIA.	35.10	22.000	34.90	21.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.200 1.500 3.000		1.200 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1840⁽¹⁾ STD/0.50/0.75/1.00 1.200 1.500 3.000 M1893⁽¹⁾ STD 1.200 1.500 3.000		M1840⁽¹⁾ STD/0.50/0.75/1.00 1.200 1.500 3.000		M1867 STD/0.50/0.75/1.00 1.200 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

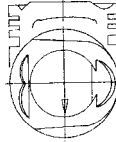
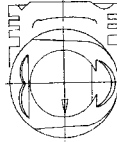
NOTES

⁽¹⁾ M1840 is a 1.2, 1.5, 3.00mm ring set.
 M1840 suits DOHC models 4G63D up to 1992 with 21mm pin & some SOHC models.
WARNING!
 DOHC 4G63D models, 1992-on with 22mm pin use a 1.2, 1.5, 2.8mm ring set and is serviced by M1867.
 Some SOHC models have shallow grooves and M1840 does not suit. Check oil ring back clearance.
 For engines with shallow oil groove use M1893.

⁽²⁾ 8029 piston suits models up to 6/92 which have the 21mm pin. Later models use a 22mm pin.



1997cc Galant HG, HH	2351cc Express Van: Express SF SF Express SG SG; Express SH SH; L300; Nimbus UF; Starwagon SF, SG, SH	2351cc Express SH SH; Express SJ SJ; Express WA WA; L300; Nimbus UF; Starwagon SH, WA
4G63 DOHC Turbo 16 Valve	4G64 SOHC 8 Valve Belt Drive	4G64 SOHC 8 Valve Belt Drive

YEARS	NO. OF CYLS	1989-92		1986-92		1992-94	
BORE & STROKE	(MM)	85.000	88.000	86.500	100.000	86.500	100.000
	(IN)	3.3464	3.4645	3.4055	3.9370	3.4055	3.9370
PISTON HEAD TYPE				203 		203 	
PISTON ASSEMBLY KIT Sizes				4KRY2917 STD/0.50/1.00 4MKRY2917 STD/0.50/1.00		4MKRY8063 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.			35.50	21.000	35.5	22.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.500 1.500 4.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1840 STD/0.50/0.75/1.00 1.200 1.500 3.000		M1813 STD/0.50/1.00 1.500 1.500 4.000 C1813 STD/0.50/1.00 1.500 1.500 4.000 PS1813 STD/0.50/1.00 1.500 1.500 4.000		M1880 STD/0.50/0.75/1.00 1.200 1.500 3.000	

LEGEND

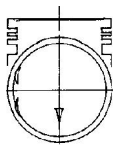
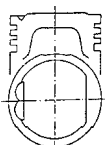
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



2351cc Nimbus UF 4G64 SOHC 16 Valve	1596cc Lancer CC; Lancer 4G92 1.6L 16V EFI	1834cc Lancer CC; Lancer 4G93 DOHC & Turbo
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YEARS	NO. OF CYLS	1992-on	4	1995-96	4	1991-on	4
BORE & STROKE	(MM)	86.500	100.000	81.000	77.500	81.000	89.000
	(IN)	3.4055	3.9370	3.1889	3.0511	3.1889	3.5039
PISTON HEAD TYPE		217 				92 	
PISTON ASSEMBLY KIT Sizes		4MKRY8065 STD/0.50/1.00				4MKRY2958 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)						.0300 @ 45.00	
COMP HEIGHT	PIN DIA.	34.6	22.000			30.80	19.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.200 1.500 2.800				1.200 1.200 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1879 STD/0.50/0.75/1.00 1.200 1.500 2.800		C1884 STD/0.50/1.00 1.200 1.200 2.800		C1884 STD/0.50/1.00 1.200 1.200 2.800	

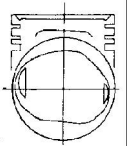
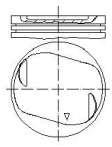
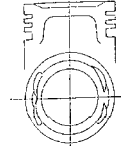
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2972cc Pajero, NF, NG, NH; Triton MH, MJ 6G72 V6 Belt Drive	2972cc Magna TE, TR, TS; Starwagon WA; Verada KR, KS 6G72 V6 Belt Drive	2972cc Magna TE, TF 6G72 V6 Belt Drive
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YEARS	NO. OF CYLS	1988-on		1991-on		1996-on	
BORE & STROKE	(MM)	91.100	76.000	91.100	76.000	91.100	76.000
	(IN)	3.5866	2.9921	3.5866	2.9921	3.5866	2.9921
PISTON HEAD TYPE		222 		225 		8 	
PISTON ASSEMBLY KIT Sizes		6KRY8015 STD/0.50/1.00 6MKRY8015 STD/0.50/1.00		6MKRY8026 STD/0.50/1.00		6MRKY8066 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0250 @ 48.00		.0250 @ 47.90		.0250 @ 47.20	
COMP HEIGHT	PIN DIA.	33.90	22.000	31.90	22.000	31.20	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1816 STD/0.50 1.500 1.500 4.000 PS1816 STD/0.50/1.00 1.500 1.500 4.000		M1803 STD/0.50/1.00 1.200 1.500 3.000 C1803 0.50/1.00 1.200 1.500 3.000		M1803 STD/0.50/1.00 1.200 1.500 3.000 C1803 0.50/1.00 1.200 1.500 3.000	

LEGEND

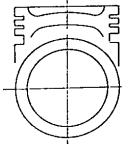
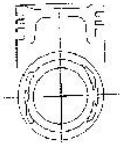
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



3497cc Magna; Pajero 6G74	3497cc Pajero; Montero 6G74	1088cc / 1189cc Celeste; Celica; Colt; Galant; Bus KE44 / KE46
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YEARS	NO. OF CYLS	9/1995-on	V6	1995-on	V6	1967-70	4
BORE & STROKE	(MM)	93.000	86.000	93.000	86.000	73.000	65.000 / 71.000
	(IN)	3.6614	3.3858	3.6614	3.3858	2.8740	2.5590 / 2.7952
PISTON HEAD TYPE		4 		8 			
PISTON ASSEMBLY KIT Sizes		6MKRY8068 STD/0.50/1.00		6MKRY8069 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.020 @		.020 @			
COMP HEIGHT	PIN DIA.	30.800	22.000	31.600	22.000		
LOCKING DEVICE		SC		SC			
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY						2875A 2875B	
RING SET Sizes Widths		C1894 STD/0.50/1.00 1.500 1.500 3.000		C1894 STD/0.50/1.00 1.500 1.500 3.000		C1335 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1335 STD/0.50/1.00/1.50 2.000 2.000 4.000	

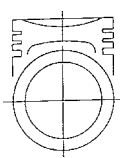
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



848cc Mini, Moke Leyland 'A' series	948cc Mini, Moke; Minor 1000 Leyland 'A' series	970cc Cooper & S Leyland 'A' series
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YEARS	NO. OF CYLS	1959-75	4	1957-62	4	1963-on	4
BORE & STROKE	(MM)	62.940	68.260	62.940	76.200	70.612	61.925
	(IN)	2.4779	2.6874	2.4779	3.0000	2.7800	2.4380
PISTON HEAD TYPE				6			
PISTON ASSEMBLY KIT Sizes				 4MKRY2259 030/040			
CLEARANCE & POSITION (From crown)				.0020 @ .96			
COMP HEIGHT	PIN DIA.			1.32	.625		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				.070 .070 .070 .156			
CYLINDER SLEEVE/ASSEMBLY						2750B	
RING SET Sizes Widths		C1217 030/040 .070 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125			C1217 030/040 .070 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125	C1553 040 .047 .047 .047 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C981 original piston only.

Morris



998cc Clubman; Cooper & S; Mini, Moke; Minor 1000 Leyland 'A' series	1071cc Cooper & S; 1100 & 1100S Leyland 'A' series	1098cc Clubman; Cooper & S; Mini Moke; 1100 & 1100S Leyland 'A' series
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YEARS	NO. OF CYLS	1961-81	4	1963-72	4	1962-69	4
BORE & STROKE	(MM)	64.579	76.200	70.640	61.910	64.579	83.820
	(IN)	2.5425	3.0000	2.7811	2.4374	2.5425	3.3000
PISTON HEAD TYPE		6				6	
PISTON ASSEMBLY KIT Sizes		4KRY2715 040/060 4MKRY2715 STD/040/060				4KRY2714 STD/020/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93				.0010 @ .81	
COMP HEIGHT	PIN DIA.	1.32	.625			1.17	.625
LOCKING DEVICE		CC				CC	
RING GROOVE WIDTHS		.062 .062 .062 .125				.062 .062 .062 .125	
CYLINDER SLEEVE/ASSEMBLY		2543B		2750B		2543B	
RING SET Sizes Widths		M1145 STD/020/030/040/060 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125		C1251 STD/020/040/060 .062 .062 .062 .156 C1553(1) 040 .047 .047 .047 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		M1145 STD/020/030/040/060 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125	

LEGEND

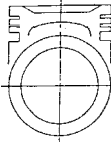
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1553 consists of 3-.047in, 1-.156in
 C1251 consists of 3-.063in, 1-.156in.



1275cc Allegro; Clubman; Cooper & S; Marina; Mini Moke; 1100 & 1100S; 1300 Leyland 'A' series	1485cc Nomad 1485	1489cc Commercial; Major; Oxford Leyland 'B' series
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YEARS	NO. OF CYLS	1967-82	4	1969-72	4	1959-61	4
BORE & STROKE	(MM)	70.640	81.330	76.200	81.280	73.025	88.900
	(IN)	2.7811	3.2019	3.0000	3.2000	2.8750	3.5000
PISTON HEAD TYPE		22					
							
PISTON ASSEMBLY KIT Sizes		4MKRY2272 STD/020/040/060					
CLEARANCE & POSITION (From crown)		.0015 @ 1.00					
COMP HEIGHT	PIN DIA.	1.47	.813				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.062 .062 .062 .156					
CYLINDER SLEEVE/ASSEMBLY		2750B				2875A 2875B	
RING SET Sizes Widths		C1251 STD/020/040/060 .062 .062 .062 .156 C1553 040 .047 .047 .047 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		M1273 STD .078 .078 .187		C1361 STD .078 .078 .156	

LEGEND

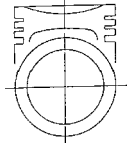
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Morris



2227cc 2200 Leyland 'E' series	1746cc Marina 1746	2623cc Marina 2623
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YEARS	NO. OF CYLS	1970-72	6	1972-74	4	1972-74	6
BORE & STROKE	(MM)	76.200	81.280	76.200	95.760	76.174	95.760
	(IN)	3.0000	3.2000	3.0000	3.7701	2.9990	3.7701
PISTON HEAD TYPE				6 			
PISTON ASSEMBLY KIT Sizes				4MKRY2768 STD/020/040/060			
CLEARANCE & POSITION (From crown)				.0015 @ .82			
COMP HEIGHT	PIN DIA.			1.407	.813		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				.062 .062 .156			
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B		3000A 3000B		3000A 3000B	
RING SET Sizes Widths		M1359 ^(1, 2) STD .062 .062 .156		M1358 STD/020 .062 .062 .156		M1359 STD .062 .062 .156	
		M1331 ⁽¹⁾ STD .078 .078 .187		PS1358 STD .062 .062 .156		M1739 ⁽³⁾ STD .062 .062 .156	
		M1740 ⁽²⁾ STD/020/060 .062 .062 .156					

LEGEND

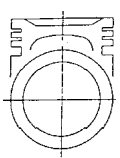
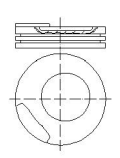
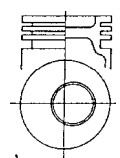
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1359 suits piston 2768, M1331 suits early piston with 2-078in, 1-.187in rings.
- (2) M1740 is 1/16", 1/16", .156" ring set and suits piston with shallow oil ring groove. Oil ring depth (.126").
- (3) M1739 suits pistons with shallow oil ring groove.



250ci NXF Ute Ford 4.1L Unleaded	1598cc Pulsar Holden 1.6L FII G2 (16LF)	1796cc Pulsar Holden 1.8L FII G2 Unleaded
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YEARS	NO. OF CYLS	1986-88	6	1987-90	4	1987-90	4
BORE & STROKE	(MM)	93.472	99.314	80.000	79.500	84.800	79.500
	(IN)	3.6800	3.9100	3.1496	3.1299	3.3385	3.1299
PISTON HEAD TYPE		22		208		25	
PISTON ASSEMBLY KIT Sizes		6KRY4100 STD/020/030/040/060 6MKRY4100 STD/020/030/040/060		4MKRY2938 STD/0.50/1.00		4KRY2855 STD/0.50/1.00 4MKRY2855 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0010 @ 2.50		.0200 @ 47.10		.0300 @ 45.50	
COMP HEIGHT	PIN DIA.	1.53	.912	31.90	21.000	33.65	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		PSP3680-SF					
RING SET Sizes Widths		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156 M9121⁽²⁾ 005/025/035/045/065 1.500 1.500 4.000 PS1166⁽¹⁾ STD/020/030/040/060 .059 .059 .156		C1811 STD/0.50/1.00 1.500 1.500 3.000		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

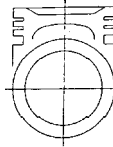
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Use M/PS1666 for genuine pistons only.
M/PS1666 contents 12-1.5mm, 6-4mm.
- (2) M9121 is a performance fileback ring set.



988cc Cherry; Series B10; Sunny; 1000 A10	1171cc Series B210; Sunny; Van C20; Vanette; 120Y; 1200 A12	1397cc B120 B120; Pulsar; Stanza; Sunny A14
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YEARS	NO. OF CYLS	1966-81	4	1970-84	4	1980-81	4
BORE & STROKE	(MM)	73.000	59.000	73.000	70.000	76.000	77.000
	(IN)	2.8740	2.3228	2.8740	2.7559	2.9921	3.0314
PISTON HEAD TYPE				22			
PISTON ASSEMBLY KIT Sizes				 4KRY2562 STD/0.50/1.00/1.50			
CLEARANCE & POSITION (From crown)				.0200 @ 55.00			
COMP HEIGHT	PIN DIA.			32.40	17.450		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B		2875A 2875B			
RING SET Sizes Widths	C1112 STD/0.50/1.00 2.000 2.000 4.000		C1335 STD/0.50/1.00/1.50 2.000 2.000 4.000		M1672⁽¹⁾ STD/0.50 1.200 2.000 4.000		
	PS1112 STD/0.50/1.00/1.50 2.000 2.000 4.000		PS1335 STD/0.50/1.00/1.50 2.000 2.000 4.000		C1645 STD/0.50 2.000 2.000 4.000		
				PS1645 STD/0.50/1.00 2.000 2.000 4.000			
				PS1672⁽¹⁾ STD/0.50/1.00 1.200 2.000 4.000			

LEGEND

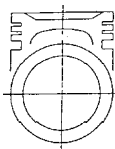
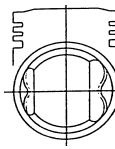
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) M1672 suits from 1982-on.



1488cc Series B210; Sunny; Vanette A15	1598cc EXA CA16DE DOHC 16 Valve	1809cc EXA CA18DE DOHC 16 Valve
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YEARS	NO. OF CYLS	1979-81	4	1987-91	4	1988-92	4
BORE & STROKE	(MM)	76.000	82.000	78.000	83.600	83.000	83.600
	(IN)	2.9921	3.2283	3.0708	3.2913	3.2677	3.2913
PISTON HEAD TYPE		22				118	
PISTON ASSEMBLY KIT Sizes		4KRY2831 STD/0.50/1.00				4MKRY2995 STD/0.50/1.00	
		4MKRY2831 1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 30.00					
COMP HEIGHT	PIN DIA.	30.00	19.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.200 2.000 4.000				1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1672 STD/0.50 1.200 2.000 4.000		M1863 STD 1.500 1.500 2.800		C1846 STD/0.50/1.00 1.500 1.500 2.800	
		PS1672 STD/0.50/1.00 1.200 2.000 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1974cc Bluebird Series 111; Prairie CA20S	1974cc Bluebird; Gazelle; Pintara CA20E	1270cc Pulsar; Sunny E13
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YEARS	NO. OF CYLS	1982-85	4	1985-93	4	1981-87	4
BORE & STROKE	(MM)	84.500	88.000	84.500	88.000	76.000	70.000
	(IN)	3.3267	3.4645	3.3267	3.4645	2.9921	2.7559
PISTON HEAD TYPE		8 		8 		142 	
PISTON ASSEMBLY KIT Sizes		4KRY2832 0.50/1.00 4MKRY2832 STD/0.50/1.00		4KRY2832 0.50/1.00 4MKRY2832 STD/0.50/1.00		4MKRY2720 0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 45.00		.0300 @ 45.00		.0400 @ 21.00	
COMP HEIGHT	PIN DIA.	30.00	20.000	30.00	20.000	32.50	19.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1685⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1687⁽¹⁾ STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 4.000		M1685⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1687⁽¹⁾ STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

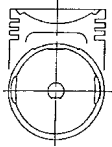
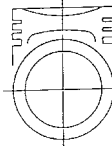
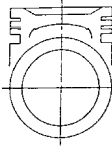
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1687 has a 2.80mm oil ring, M1685 has a 4.00mm oil ring, both sets have top and 2nd rings of 1.50mm.
M1685 suits piston 2832.



1487cc Prairie; Pulsar; Sunny E15	1488cc EXA; Pulsar E15T OHC Turbo	1597cc Pulsar E16
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YEARS	NO. OF CYLS	1984-87		1984-85		1986-87	
BORE & STROKE	(MM)	76.000	82.000	76.000	82.000	76.000	88.000
	(IN)	2.9921	3.2283	2.9921	3.2283	2.9921	3.4645
PISTON HEAD TYPE		142 		6 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY8054 STD/0.50/1.00 4MKRY8054 STD/0.50/0.75		4MKRY8055 STD/0.50/1.00		4KRY8037 STD/0.50/1.00 4MKRY8037 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	32.50	19.000	33.00	19.000	32.50	19.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000	

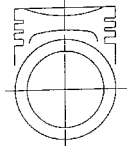
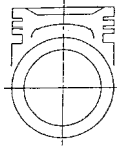
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



3298cc Caball; Cabstar; Commercial; Condor ED33 Diesel	1597cc Pulsar; Sentra; Serena GA16DE 16 Valve DOHC	1982cc Caball; Civilian; Clipper; Fairlady; Homer; Urvan; Van E20 H20
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YEARS	NO. OF CYLS	1980-on	4	1990-94	4	1966-79	4
BORE & STROKE	(MM)	100.000	105.000	76.000	88.000	87.200	83.000
	(IN)	3.9370	4.1338	2.9921	3.4645	3.4330	3.2677
PISTON HEAD TYPE				6 		22 	
PISTON ASSEMBLY KIT Sizes				4MKRY8022 STD/0.50/1.00		4MKRY2298 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)				.0200 @ 43.70		.0024 @ 1.09	
COMP HEIGHT	PIN DIA.			29.10	19.000	1.59	.866
LOCKING DEVICE				SC		SC	
RING GROOVE WIDTHS				1.500 1.500 2.800		.078 .098 .156	
CYLINDER SLEEVE/ASSEMBLY						3431A 3413B	
RING SET Sizes Widths		C1757 STD 3.000 2.000 4.500		C1823⁽¹⁾ STD/0.50/1.00 1.500 1.500 2.800 C1833⁽¹⁾ STD/0.50 1.500 1.500 3.000 PS1823⁽¹⁾ STD/0.50/1.00 1.500 1.500 2.800		C1459 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1459 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1823 contains 1.5,1.5,2.8mm rings and suits 8022 piston.
 C1833 contains 1.5,1.5,3.0mm and suits earlier 2887 piston. Some original pistons may require 2.8mm oil ring.
 8022 supersedes 2887 piston.



1299cc Series 411, 520, 620; 1300 J13	1483cc Homer; Series 520, 521, 620; 1500 J15	1567cc E23 Van; Homer; Series 521; Urvan; Van E20 J16
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YEARS	NO. OF CYLS	1970-75	4	1970-79	4	1973-82	4
BORE & STROKE	(MM)	73.000	77.600	77.950	77.600	77.950	82.000
	(IN)	2.8740	3.0551	3.0688	3.0551	3.0688	3.2283
PISTON HEAD TYPE				1		1	
PISTON ASSEMBLY KIT Sizes				4KRY2515 STD/0.50/1.00/1.50		4KRY2515 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)				.0016 @ 1.00		.0016 @ 1.00	
COMP HEIGHT	PIN DIA.			1.54	.826	1.54	.826
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				2.0 2.0 4.00		2.0 2.0 4.00	
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B					
RING SET Sizes Widths	C1112 STD/0.50/1.00 2.000 2.000 4.000		C1429 STD/0.50/1.00/1.50 2.000 2.000 4.000		C1429 STD/0.50/1.00/1.50 2.000 2.000 4.000		
	PS1112 STD/0.50/1.00/1.50 2.000 2.000 4.000		PS1429 STD/0.50/1.00 2.000 2.000 4.000		PS1429 STD/0.50/1.00 2.000 2.000 4.000		

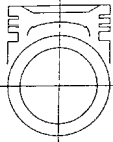
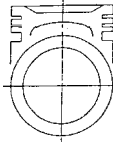
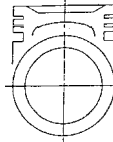
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2389cc Pintara KA24E 12 Valve	2389cc Pintara KA24E 12 Valve	2389cc Bluebird, KA24DE 16 Valve DOHC
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YEARS	NO. OF CYLS	1989-92	4	1989-92	4	1993-95	4
BORE & STROKE	(MM)	89.000	96.000	89.000	96.000	89.000	96.000
	(IN)	3.5039	3.7795	3.5039	3.7795	3.5039	3.7795
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4MKRY8012 STD/0.50/1.00		4MKRY8016 STD/0.50/1.00		4MKRY8024 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 45.70		.0300 @ 45.70		.0300 @ 45.70	
COMP HEIGHT	PIN DIA.	33.85	21.000	33.85	21.000	33.85	21.000
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1809 STD/0.50/1.00 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800	
		C1809 STD 1.500 1.500 2.800		C1809 STD 1.500 1.500 2.800		C1809 STD 1.500 1.500 2.800	

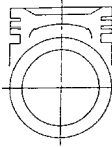
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1296cc Bluebird; Commercial; 1300 L13	1428cc Bluebird; Commercial; 1400 L14	1595cc Bluebird; Series 510, 521, 610, 620; Stanza; 1600 L16
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YEARS	NO. OF CYLS	1967-77	4	1979-on	4	1967-83	4
BORE & STROKE	(MM)	83.000	59.900	83.000	66.000	83.000	73.300
	(IN)	3.2677	2.3582	3.2677	2.5984	3.2677	2.8858
PISTON HEAD TYPE						22 	
PISTON ASSEMBLY KIT Sizes						4KRY2517 STD/020/040/060	
CLEARANCE & POSITION (From crown)						.0250 @ 23.50	
COMP HEIGHT	PIN DIA.					38.10	21.000
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3252B		3252B		3252B	
RING SET Sizes Widths		C1263 STD/020/040/060 2.000 2.000 4.000		C1263 STD/020/040/060 2.000 2.000 4.000		C1263 STD/020/040/060 2.000 2.000 4.000	
		PS1263 STD/020/040/060 2.000 2.000 4.000		PS1263 STD/020/040/060 2.000 2.000 4.000		PS1263 STD/020/040/060 2.000 2.000 4.000	

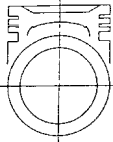
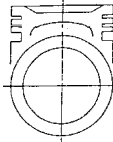
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc King Cab; Series 521, 610, 620, 710, 720; Skyline; 180B L18	1962cc Bluebird Series 1, Series 11; Series 610, 620, 710, 720, 810; Skyline; 200B L20B	2262cc Personal; Super six L23
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YEARS	NO. OF CYLS	1972-82	4	1974-82	4	1967-69	6
BORE & STROKE	(MM)	85.000	78.000	85.000	86.000	83.000	69.700
	(IN)	3.3464	3.0708	3.3464	3.3858	3.2677	2.7440
PISTON HEAD TYPE		22 		22 			
PISTON ASSEMBLY KIT Sizes		4KRY2656 STD/0.50/1.00/1.50		4KRY2656 ⁽¹⁾ STD/0.50/1.00/1.50 4MKRY2900 ⁽¹⁾ 0.50/1.00/1.50 4MKRY2764 ⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0400 @ 68.00		.0400 @ 68.00			
COMP HEIGHT	PIN DIA.	38.10	21.000	38.10	21.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		3346B		3346B		3252B	
RING SET Sizes Widths		M1149 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1149 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		M1149 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1149 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1431 STD/020 2.000 2.000 4.000 PS1431 STD/020/040/060 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY2656 approximate compression ratio: 9.0:1 after reconditioning.
 4KRY2900 approximate compression ratio: 8.4:1 after reconditioning.

Note: to return reconditioned engine to approximate OE specifications
 ACL Pistons are designed with an adjusted compression ratio to compensate for the effects of engine reconditioning.

- (2) 2764 piston is a higher compression piston bowl volume 3.2cc.
 2656 piston bowl volume 9.6cc.
 2900 piston bowl volume 15.6cc.



2393cc Personal; Skyline; Super six; 240C/Z/X L24	2353cc Skyline L24E EFI	2565cc 260C; 260Z L26
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YEARS	NO. OF CYLS	1967-82	6	1982-86	6	1969-80	6
BORE & STROKE	(MM)	83.000	73.700	83.000	73.700	83.000	79.000
	(IN)	3.2677	2.9015	3.2677	2.9015	3.2677	3.1102
PISTON HEAD TYPE		22		22			
PISTON ASSEMBLY KIT Sizes		6KRY2517 STD/020/040/060		6MKRY2960 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0250 @ 23.50		.0300 @ 54.00			
COMP HEIGHT	PIN DIA.	38.10	21.000	38.00	20.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3252B		3252B		3252B	
RING SET Sizes Widths		C1431 STD/020 2.000 2.000 4.000 PS1431 STD/020/040/060 2.000 2.000 4.000		C1871⁽¹⁾ STD 1.500 2.000 4.000 C1886⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		C1431 STD/020 2.000 2.000 4.000 PS1431 STD/020/040/060 2.000 2.000 4.000	

LEGEND

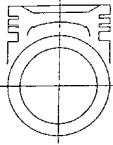
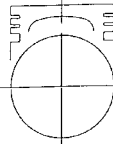
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1871 is a 1.5, 2.0, 4.0mm ring set.
 C1886 is a 1.5, 1.5, 4.0mm ring set.
 C1886 suits latest model L24E 1984-86.



2753cc Patrol, MQ; 280C; 280Z; 280ZX L28	3956cc Commercial; Patrol, MQ P40	1595cc Homer R
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YEARS	NO. OF CYLS	1969-84	6	1960-87	6	1968-72	4
BORE & STROKE	(MM)	86.000	79.000	85.700	114.300	87.200	66.800
	(IN)	3.3858	3.1102	3.3740	4.5000	3.4330	2.6299
PISTON HEAD TYPE		22 		1 			
PISTON ASSEMBLY KIT Sizes		6KRY2700 STD/0.50/1.00		6KRY2654 STD/020/040/060 6MKRY2654 STD/060			
CLEARANCE & POSITION (From crown)		.0400 @ 68.00		.0500 @ 30.00			
COMP HEIGHT	PIN DIA.	38.10	21.000	52.68	20.660		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.500 4.750			
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3431A 3431B	
RING SET Sizes Widths		M1616⁽¹⁾ STD 1.500 2.000 4.000 C1601⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000 PS1616 STD/0.50/1.00 1.500 2.000 4.000		C1590 STD 2.500 2.500 4.750 C3190⁽²⁾ STD/040 2.500 2.500 4.750		C1459 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1459 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

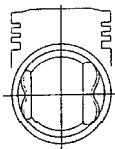
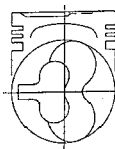
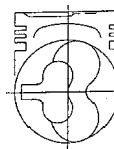
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1616 suits piston with 1.5, 2.0, 4.0 rings and Turbo engines.
C/PS1601 contains 2.00,2.00,4.00mm rings.
- (2) Some original pistons have an oil ring groove depth of .198in. C3190 is not suitable for these pistons, use C1590.



2962cc Patrol; Skyline RB30E	1991cc Cedric; Commercial SD20 Diesel	2164cc Caball; Civilian; Clipper; Commercial; Forklift; Homer; Series 720; Urvan SD22 Diesel
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YEARS	NO. OF CYLS	1986-92		1963-80		1963-84	
BORE & STROKE	(MM)	86.000	85.000	83.000	92.000	83.000	100.000
	(IN)	3.3858	3.3464	3.2677	3.6220	3.2677	3.9370
PISTON HEAD TYPE		118 		59 		59 	
PISTON ASSEMBLY KIT Sizes		6KRY2799 STD/0.50/1.00 6MKRY2799 STD/0.50/1.00		4MKRY2719 STD/0.50/1.00		4MKRY2719 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 56.50		.2000 @ 34.00		.2000 @ 34.00	
COMP HEIGHT	PIN DIA.	32.50	21.000	48.00	26.000	48.00	26.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		1.500 1.500 2.800		2.500 2.000 2.000 4.500 4.500		2.500 2.000 2.000 4.500 4.500	
CYLINDER SLEEVE/ASSEMBLY		3375B		FSY3268^(1, 2)	RSA2719^(1, 2)	FSY3268^(1, 2)	RSA2719^(1, 2)
RING SET Sizes Widths		M1686 STD/0.50/1.00 1.500 1.500 2.800 PS1686 STD/0.50/1.00 1.500 1.500 2.800		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500	

LEGEND

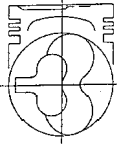
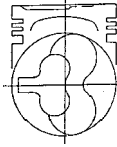
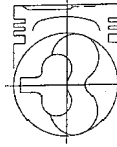
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2719 contains FSY3268 sleeve.
 Liner outer diameter: 87.064mm.
 Flange diameter: 92.985mm.
 Flange depth: N/A
 Flange width: 5.095mm.
 Liner length: 176.000mm.
- (2) RSA2719-SF contains FSY3268-SF semi-finished sleeve.
 Liner outer diameter: 87.076mm.
 Flange diameter: 93.000mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 176.000mm.
- (3) C1538 which has a rectangular 'top ring' suits early models. Later models have 5 rings, the top being 'trapezoidal' (tapered) and is serviced as C1612. The latest versions are 3 ring pistons, the top ring is also 'trapezoidal' and is serviced as C1734 (early 2.5,2.4,5mm), C1826 (late 2.5, 2, 4mm), all are 2 cylinder sets except for C1826 which is a 6 cylinder set.



2289cc Commercial; Patrol; Series 720; Urvan SD23 Diesel	2488cc Cabstar; Commercial; Navara 4WD; Patrol; Series 720 SD25 Diesel	2389cc Cabstar; Navara 4WD; Series 720 SD25 Diesel
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YEARS	NO. OF CYLS	1980-88	4	1980-85	4	1985-on	4
BORE & STROKE	(MM)	89.000	92.000	89.000	100.000	89.000	96.000
	(IN)	3.5039	3.6220	3.5039	3.9370	3.5039	3.7795
PISTON HEAD TYPE		59		59		59	
PISTON ASSEMBLY KIT Sizes		4MKRY2878 ⁽³⁾ STD		4MKRY2879 ⁽³⁾ STD		4MKRY2952 STD	
CLEARANCE & POSITION (From crown)						.0600 @ 70.00	
COMP HEIGHT	PIN DIA.	48.00	26.000	48.00	26.000	48.00	26.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.500		2.500 2.000 4.500		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSX3504 ^(1, 2)	RSA2878 ^(1, 2, 3)	FSX3504 ^(1, 2)	RSA2879 ^(1, 2, 3)	FSX3504 ^(1, 2)	RSA2952 ^(1, 2)
RING SET Sizes Widths		C1756 STD 2.500 2.000 4.500		C1756 STD 2.500 2.000 4.500		C1756 STD 2.500 2.000 4.500	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2878, RSA2879 and RSA2952 contain FSX3504 sleeve.
Liner outer diameter: 92.030mm.
Flange diameter: 98.000mm.
Flange depth: N/A
Flange width: 5.000mm.
Liner length: 172.000mm.

(2) RSA2878-SF, RSA2879-SF and RSA2952-SF contain FSX3504-SF semi-finished sleeve.
Liner outer diameter: 92.100mm.
Flange diameter: 97.985mm.
Flange depth: N/A
Flange width: 5.000mm.
Liner length: 172.000mm.

(3) Contains armoured (Alfin) top ring groove.



3246cc Commercial; Patrol, MQ SD33 Diesel	3246cc Commercial; Patrol SD33T Diesel Turbo	1998cc EXA; NX Coupe; Pulsar; Serena SR20DE
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YEARS	NO. OF CYLS	1966-86	6	1983-88	6	1990-92	4
BORE & STROKE	(MM)	83.000	100.000	83.000	100.000	86.000	86.000
	(IN)	3.2677	3.9370	3.2677	3.9370	3.3858	3.3858
PISTON HEAD TYPE		59 		59 		22 	
PISTON ASSEMBLY KIT Sizes		4MKRY2719 STD/0.50/1.00		6MKRY2986 STD/0.50/1.00		4MKRY2927 0.50	
CLEARANCE & POSITION (From crown)		.2000 @ 34.00		.0500 @		.0250 @ 50.00	
COMP HEIGHT	PIN DIA.	48.00	26.000	48.200	26.000	32.00	22.000
LOCKING DEVICE		SC		SC		CC	
RING GROOVE WIDTHS		2.500 2.000 2.000 4.500 4.500		2.500 2.000 4.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		FSY3268^(1,2) RSA2719^(1,2)					
RING SET Sizes Widths		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 C1734⁽³⁾ STD 2.500 2.000 4.000 C1826⁽³⁾ STD 2.500 2.000 4.000		C1834 STD/0.50 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2719 contains FSY3268 sleeve.
 Liner outer diameter: 87.064mm.
 Flange diameter: 92.985mm.
 Flange depth: N/A
 Flange width: 5.095mm.
 Liner length: 176.000mm.
- (2) RSA2719-SF contains FSY3268-SF semi-finished sleeve.
 Liner outer diameter: 87.076mm.
 Flange diameter: 93.000mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 176.000mm.
- (3) C1538 has a rectangular 'top ring'.
 C1538 suits early models. Later models have 5 rings, the top being 'trapezoidal' (tapered) and is serviced as C1612. The latest versions are 3 ring pistons, the top ring is also 'trapezoidal' and is serviced as C1734 (early 2.5, 2, 4.5mm), C1826 (late 2.5, 2, 4mm), all are 2 cylinder sets except for C1826 which is a 6 cylinder set.



2494cc Navara 4WD TD25	2663cc Cabstar; Navara 4WD; Urvan TD27	4169cc Patrol TB42S Petrol
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YEARS	NO. OF CYLS	1987-on	4	1986-92	4	1987-on	6
BORE & STROKE	(MM)	89.000	100.000	96.000	92.000	96.000	96.000
	(IN)	3.5039	3.9370	3.7795	3.6220	3.7795	3.7795
PISTON HEAD TYPE		63 		63 		1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2880 STD		4MKRY2881 STD		6MKRY2862 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 67.00		.0300 @ 72.00		.0200 @ 65.00	
COMP HEIGHT	PIN DIA.	50.30	28.000	50.30	28.000	40.50	23.000
LOCKING DEVICE		CC		CC		SC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.500 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3657^(1, 2)	RSA2880^(1, 2)	FSZ3780^(3, 4)	RSA2881-SF^(3, 4)		
RING SET Sizes Widths		C1779 STD 2.500 2.000 4.000		C1780 STD 2.500 2.000 4.000		M1730 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

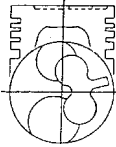
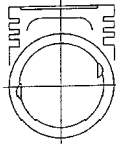
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|---|---|
| <p>(1) RSA2880 contains FSZ3657 sleeve with:
 Liner outer diameter: 95.885mm.
 Flange diameter: 101.854mm.
 Flange depth: N/A
 Flange width: 5.080mm.
 Liner length: 159.890mm.</p> | <p>(3) RSA2881/1 contains FSZ3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.</p> |
| <p>(2) RSA2880-SF contains FSZ3657-SF semi-finished sleeve with:
 Liner outer diameter: 95.885mm.
 Flange diameter: 101.854mm.
 Flange depth: N/A
 Flange width: 5.080mm.
 Liner length: 159.890mm.</p> | <p>(4) RSA2881-SF contains FSZ3780-SF semi-finished sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.</p> |



4169cc Patrol TD42 Diesel	1982cc Commercial; Fairlady; 2000 Sport U20	2960cc 300C; 300ZX VG30E SOHC V6
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YEARS	NO. OF CYLS	1987-on	6	1967-on	4	1984-88	6
BORE & STROKE	(MM)	96.000	96.000	87.200	83.000	87.000	83.000
	(IN)	3.7795	3.7795	3.4330	3.2677	3.4251	3.2677
PISTON HEAD TYPE		63 				181 	
PISTON ASSEMBLY KIT Sizes		6MKRY2881 STD				6MKRY8034 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 72.00				.0250 @ 44.80	
COMP HEIGHT	PIN DIA.	50.30	28.000			31.60	21.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		2.500 2.000 4.000				1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY		FSY3780^(1,2) RSA2881-SF^(1,2)		3431A 3431B			
RING SET Sizes Widths		C1781 STD 2.500 2.000 4.000				M1849 STD/0.50/0.75/1.00 1.500 1.500 2.800 PS1849 STD/0.50/0.75/1.00 1.500 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2881/2 contains FSY3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.200mm.
 Liner length: 164.000mm.

(2) RSA2881-SF contains FSY3780-SF semi-finished sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.



2960cc Maxima; Navara 4WD; Pathfinder VG30I SOHC V6	2960cc Maxima; 300ZX VG30E DOHC V6	1595cc Bluebird; Skyline; Stanza Z16
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YEARS	NO. OF CYLS	1990-95	6	1989-96	6	1979-on	4
BORE & STROKE	(MM)	87.000	83.000	87.000	83.000	83.000	73.700
	(IN)	3.4251	3.2677	3.4251	3.2677	3.2677	2.9015
PISTON HEAD TYPE		181		22			
PISTON ASSEMBLY KIT		6MKRY8035		6MKRY8036			
Sizes		STD/0.50/1.00		STD/0.50/1.00			
CLEARANCE & POSITION		.0250 @ 44.80		.0250 @ 44.80			
(From crown)							
COMP HEIGHT	PIN DIA.	31.60	21.000	31.60	22.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY						3252B	
RING SET		M1849		M1849		C1263	
Sizes		STD/0.50/0.75/1.00		STD/0.50/0.75/1.00		STD/020/040/060	
Widths		1.500 1.500 2.800		1.500 1.500 2.800		2.000 2.000 4.000	
		PS1849		PS1849		PS1263	
		STD/0.50/0.75/1.00		STD/0.50/0.75/1.00		STD/020/040/060	
		1.500 1.500 2.800		1.500 1.500 2.800		2.000 2.000 4.000	

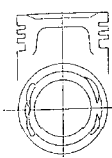
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc Bluebird; Skyline; Stanza Z18	1952cc Bluebird; Navara 4WD; Series 510, 720; Skyline Z20	1952cc Cabstar; Navara 4WD; Urvan Vanette Z20
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YEARS	NO. OF CYLS	1979-on	4	1981-86	4	1986-87	4
BORE & STROKE	(MM)	85.000	78.000	85.000	86.000	85.000	86.000
	(IN)	3.3464	3.0708	3.3464	3.3858	3.3464	3.3858
PISTON HEAD TYPE				8			
PISTON ASSEMBLY KIT Sizes				 4KRY2834 STD/0.50/1.00 4MKRY2834 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				.0250 @ 46.60			
COMP HEIGHT	PIN DIA.			31.60	21.000		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3346B		3346B		3346B	
RING SET Sizes Widths		M1149 STD/0.50/1.00/1.50 2.000 2.000 4.000		M1615 STD/0.50/1.00 1.500 1.500 4.000		M1615 STD/0.50/1.00 1.500 1.500 4.000	
		PS1149 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		PS1615 STD/0.50/1.00 1.500 1.500 4.000		PS1615 STD/0.50/1.00 1.500 1.500 4.000	

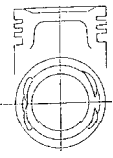
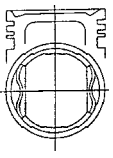
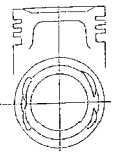
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2187cc Bluebird; Cabstar; King Cab; Series 720; Skyline; 200SX Z22	2187cc Cabstar; Series 720 Z22S	2389cc Bluebird; Navara 4WD; Nomad; Pathfinder; Series 720; Skyline; Urvan; Vanette Z24
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YEARS	NO. OF CYLS	1982-87	4	1982-87	4	1986-92	4
BORE & STROKE	(MM)	87.000	92.000	87.000	92.000	89.000	96.000
	(IN)	3.4251	3.6220	3.4251	3.6220	3.5039	3.7795
PISTON HEAD TYPE		8 		119 		8 	
PISTON ASSEMBLY KIT Sizes		4MKRY2820 STD/0.50/1.00		4MKRY2959 STD/0.50/1.00		4MKRY2861 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 57.00		.0300 @ 52.00		.0300 @ 60.00	
COMP HEIGHT	PIN DIA.	31.90	21.000	35.50	21.000	33.80	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		2.000 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY						3500A 3500B	
RING SET Sizes Widths		M1715 STD/0.50/1.00 1.500 1.500 4.000		M1715 STD/0.50/1.00 1.500 1.500 4.000		M1749⁽¹⁾ STD/0.50/1.00 2.000 1.500 4.000 PS1749⁽¹⁾ STD/0.50/0.75/1.00 2.000 1.500 4.000 M1755⁽¹⁾ STD/0.50/1.00 1.50 1.50 4.00	

LEGEND

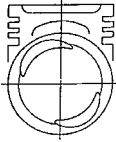
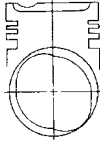
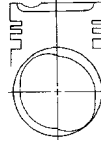
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽¹⁾ M/PS1749 suits 2861 pistons with 2.00/1.50/4.00mm rings, M1755 suits pistons with 1.50/1.50/4.00mm rings



1598cc Ascona; Kadett; Manta	1796cc Ascona; Kadett; Manta; Rekord	1796cc Ascona; Kadett; Manta
Holden 1.6L FI G1 Leaded	Holden 1.8L FI G1 Leaded	Holden 1.8L FI G1 Unleaded

YEARS	NO. OF CYLS	1982-87	4	1982-85	4	1986-87	4
BORE & STROKE	(MM)	80.000	79.500	84.800	79.500	84.800	79.500
	(IN)	3.1496	3.1299	3.3385	3.1299	3.3385	3.1299
PISTON HEAD TYPE		179 		201 		201 	
PISTON ASSEMBLY KIT Sizes		4KRY2745 STD/0.50/1.00		4KRY2935⁽¹⁾ STD/0.50/1.00		4KRY2935 STD/0.50/1.00	
		4MKRY2745 0.50/1.00/1.50		4MKRY2935⁽¹⁾ STD/0.50/1.00		4MKRY2935 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 49.00		.0200 @ 51.70		.0200 @ 51.70	
COMP HEIGHT	PIN DIA.	40.00	23.000	39.70	23.000	39.70	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.750 4.000		1.500 1.750 4.000		1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY		3150B					
RING SET Sizes Widths		M1663 STD/0.50/1.00 1.500 1.750 4.000		M1680 STD/0.50/0.75 1.500 1.750 4.000		M1680 STD/0.50/0.75 1.500 1.750 4.000	
		PS1663 STD/0.50/0.75/1.00 1.500 1.750 4.000		PS1680 STD/0.50/1.00 1.500 1.750 4.000		PS1680 STD/0.50/1.00 1.500 1.750 4.000	

LEGEND

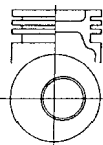
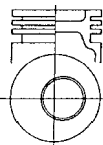
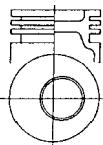
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2935 supersedes 2786.
2935 is a lowered compression ratio piston & suitable for use in unleaded engines.



1998cc Calibra YE; Frontier AHT; Kadett Omega; Vectra C20L SOHC 8.8:1	1998cc Calibra; Kadett; Omega; Vectra C20NE SOHC 9.2:1	1998cc Calibra; Kadett; Omega; Vectra C20SE 10.0:1
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YEARS	NO. OF CYLS	1986-on	4	1991-on	4	1993-on	4
BORE & STROKE	(MM)	86.000	86.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		25		25		25	
PISTON ASSEMBLY KIT		4MKRY2966 ⁽¹⁾		4MKRY2967 ⁽¹⁾		4MKRY2968 ⁽¹⁾	
Sizes		STD/0.50		STD/0.50		STD/0.50	
CLEARANCE & POSITION		.0100 @ 43.40		.0100 @ 43.40		.0100 @ 43.40	
(From crown)							
COMP HEIGHT	PIN DIA.	30.40	21.000	30.40	21.000	30.40	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1735		M1735		M1735	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
		PS1735		PS1735		PS1735	
		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	

LEGEND

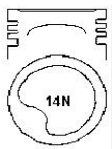
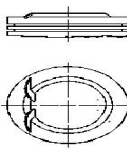
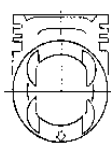
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2966 piston has 14.4cc and 64mm diameter bowl.
 2967 piston has 11.3cc and 57mm diameter bowl.
 2968 piston has 6.3cc and 45mm diameter bowl.



1389cc Barina C14NZ SOHC 8 Valve	1389cc Tigra; Corsa X1.4XE	1598cc Astra; Corsa; Tigra; Vectra X16 XE
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YEARS	NO. OF CYLS	9/1994-7/1997		1993-on		1994-on	
BORE & STROKE	(MM)	77.600	73.400	77.600		79.000	81.500
	(IN)	3.0551	2.8897	3.0551		3.1102	3.2086
PISTON HEAD TYPE		227 		234 		212 	
PISTON ASSEMBLY KIT Sizes		4MKRY2969 STD/0.50/1.00		4MKRY2978 STD/0.50/1.00		4MKRY2979 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.020 @		.020 @		.020 @	
COMP HEIGHT	PIN DIA.	32.050	18.000	32.050	18.000	27.700	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1892 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		C1892 STD/0.50/1.00 1.500 1.500 3.000		C1901 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

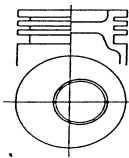
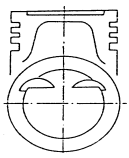
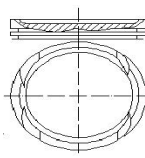
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Opel



1796cc Ascona; Kadett; Omega C18SE 10.0:1	1796cc Astra; Vectra X18 XE	1998cc Kadett; Vectra; Calibra 2.0 XEV 16 Valve
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YEARS	NO. OF CYLS	1994-on	4	1998-on	4	1987-on	4
BORE & STROKE	(MM)	84.815	86.000	80.500	88.200	86.000	86.000
	(IN)	3.3391	3.3858	3.1692	3.4724	3.3858	3.3858
PISTON HEAD TYPE		25		52		232	
PISTON ASSEMBLY KIT		4MKRY2987		4MKRY2990		4MKRY2976	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		.020 @		.020 @		.020 @	
(From crown)							
COMP HEIGHT	PIN DIA.	33.650	21.000	30.400	21.000	30.500	21.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1731		C1906		M1735	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
		PS1735					
		STD/0.50/1.00					
		1.500 1.500 3.000					

LEGEND

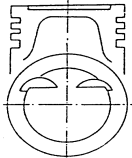
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc
Vectra; Calibra YE; Omega

X20 XEV

YEARS	NO. OF CYLS	1994-on	4		
BORE & STROKE	(MM)	86.000	86.000		
	(IN)	3.3858	3.3858		
PISTON HEAD TYPE		52			
					
PISTON ASSEMBLY KIT		4MKRY2989			
Sizes		STD/0.50/1.00			
CLEARANCE & POSITION		.020 @			
(From crown)					
COMP HEIGHT	PIN DIA.	30.400	21.000		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		1.500 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY					
RING SET		M1735			
Sizes		STD/0.50/1.00			
Widths		1.500 1.500 3.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Perkins



3470cc Commercial 4.212 Diesel	3860cc Commercial 4.236 Diesel	5800cc Commercial 6.354 Diesel
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YEARS	NO. OF CYLS	1963-on	4	1963-on	4	1960-on	6
BORE & STROKE	(MM)	98.475	114.300	98.475	127.000	98.475	127.000
	(IN)	3.8770	4.5000	3.8770	5.0000	3.8770	5.0000
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3875B⁽²⁾		3875B⁽²⁾		3875B⁽²⁾	
RING SET Sizes Widths		C1579⁽¹⁾ STD .093 .093 .093 .249 .249		C1579⁽¹⁾ STD .093 .093 .093 .249 .249		C1579⁽¹⁾ STD .093 .093 .093 .249 .249	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1579 suits 3 and 5 ring pistons and is a 2 cylinder set.
- (2) FSZ3877 may be used by machining to suit flange etc.



1251cc R10 1251	1564cc R1151; R1152; R1154; R12; R1302; R1312; R1322; R15; R16; R17TS 807
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YEARS	NO. OF CYLS	1971-75	4	1968-76	4
BORE & STROKE	(MM)	71.930	74.000	77.000	84.000
	(IN)	2.8318	2.9133	3.0314	3.3070
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT		PIN DIA.			
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1505 STD 1.750 2.000 4.000		C1402 STD 1.750 2.000 4.000 PS1402 STD 1.750 2.000 4.000	

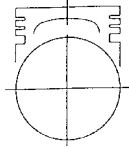
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES

Rover



1601cc Quintet Honda EP OHC	2250cc Land Rover; Land Rover 110; Range Rover 3.9; Series 2 2.25L	2286cc Land Rover; Land Rover 111; Load Carrier; Series III, 2; 109; 110; 80 2.25L Petrol
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YEARS	NO. OF CYLS	1978-81	4	1961-on	4	1962-85	4
BORE & STROKE	(MM)	77.000	86.000	90.487	88.900	90.500	88.900
	(IN)	3.0314	3.3858	3.5625	3.5000	3.5630	3.5000
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT						4MKRY2151 030	
SIZES							
CLEARANCE & POSITION (From crown)						.0020 @ 1.37	
COMP HEIGHT	PIN DIA.					2.27	1.000
LOCKING DEVICE						SC	
RING GROOVE WIDTHS						.070 .070 .187	
CYLINDER SLEEVE/ASSEMBLY				3562B		3562B	
RING SET		M1675		C3170		C1040	
SIZES		STD/0.50/1.00		STD		STD	
WIDTHS		1.500 1.500 4.000		.093 .093 .093 .187 .187		.070 .070 .187	
		PS1675					
		STD/0.50/1.00					
		1.500 1.500 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2286cc Land Rover; Land Rover 111; Load Carrier; Series III, 2; 109; 110; 80 2.25L Diesel	2625cc Land Rover; Land Rover 111; Series III; 100; 109; 110; 95 2.6L	2995cc Land Rover; Series III; 109; 110; 3 Litre; 95 3.0L
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YEARS	NO. OF CYLS	1962-81	4	1959-62	6	1963-on	6
BORE & STROKE	(MM)	90.487	88.900	77.800	92.075	77.787	105.003
	(IN)	3.5625	3.5000	3.0630	3.6250	3.0625	4.1340
PISTON HEAD TYPE				12		12	
PISTON ASSEMBLY KIT				6MKRY2553		6MKRY2553	
SIZES				040		040	
CLEARANCE & POSITION				.002 @ 1.16		.002 @ 1.16	
(From crown)							
COMP HEIGHT	PIN DIA.			1.845	.875	1.845	.875
LOCKING DEVICE							
RING GROOVE WIDTHS				.070 .070 .156		.070 .070 .156	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C3170		C1089		C1089	
SIZES		STD		STD		STD	
WIDTHS		.093 .093 .093 .187 .187		.070 .070 .156		.070 .070 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Rover



3528cc Landrover 111; Range Rover; Rangerover 3.5; 3500	3528cc Rangerover	
3.5L	3528 Carburettor	

YEARS	NO. OF CYLS	1968-85	8	1971-79	8
BORE & STROKE	(MM)	88.900	71.120	88.900	71.120
	(IN)	3.5000	2.8000	3.5000	2.8000
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY		3500A 3500B			
RING SET Sizes Widths		M1747 STD .062 .062 .187 C1445⁽¹⁾ STD .078 .078 .187		C1445 STD .078 .078 .187	

LEGEND

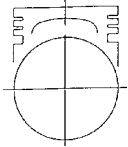
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1445 suits up to 1976 only.



1361cc Leone 4WD; 1400 EA63	1595cc Leone 4WD; 1300; 1600 EA71	1781cc Elf; Leone 4WD; 1800 EA81
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YEARS	NO. OF CYLS	1970-84	4	1969-81	4	1979-84	4
BORE & STROKE	(MM)	85.000	60.000	92.000	60.000	92.000	67.000
	(IN)	3.3464	2.3622	3.6220	2.3622	3.6220	2.6377
PISTON HEAD TYPE				1			1
PISTON ASSEMBLY KIT Sizes				4KRY2666 STD/0.50/1.00			4KRY2666 STD/0.50/1.00
CLEARANCE & POSITION (From crown)				.0400 @ 19.00			.0400 @ 19.00
COMP HEIGHT	PIN DIA.			26.50	17.020	26.50	17.020
LOCKING DEVICE				AC			AC
RING GROOVE WIDTHS				2.000 2.000 4.000			2.000 2.000 4.000
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1434 STD/0.50 2.000 2.000 4.000			M1761 STD/0.50/1.00 1.200 1.500 4.000		
		PS1434 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000			C1563 STD 2.000 2.000 4.000		
				PS1563 STD/0.50/1.00 2.000 2.000 4.000			PS1563 STD/0.50/1.00 2.000 2.000 4.000

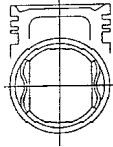
LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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Subaru



1781cc Brumby 4WD Brumby; Leone 4WD; 1800	1781cc 1800	2212cc Liberty
EA82	EA82 non EFI	EJ220

YEARS	NO. OF CYLS	1984-on	4	1988-90	4	1989-on	4
BORE & STROKE	(MM)	92.000	67.000	92.000	67.000	96.900	75.000
	(IN)	3.6220	2.6377	3.6220	2.6377	3.8149	2.9527
PISTON HEAD TYPE						119	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)						.0300 @ 48.00	
COMP HEIGHT	PIN DIA.					33.25	23.000
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1761 STD/0.50/1.00 1.200 1.500 4.000		M1761 STD/0.50/1.00 1.200 1.500 4.000		C1885 STD/0.50/1.00 1.200 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1781cc Vortex Vortex EA82 OHC Turbo		
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YEARS	NO. OF CYLS	1984-92	4		
BORE & STROKE	(MM)	92.000	67.000		
	(IN)	3.6220	2.6377		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		M1761 STD/0.50/1.00 1.200 1.500 4.000			

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES



543cc Fronte; Hatch; Mighty Boy; Series 40 F5AT	797cc Alto; Carry; Hatch; Series 40, 80, 81, 86; Sierra; ST80; ST90; 180; 181 F8A	797cc Hatch; ST80 F8B
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YEARS	NO. OF CYLS	1978-on	3	1978-81	4	1977-91	3
BORE & STROKE	(MM)	62.000	60.000	62.000	66.000	68.500	72.000
	(IN)	2.4409	2.3622	2.4409	2.5984	2.6968	2.8346
PISTON HEAD TYPE		2		2			
PISTON ASSEMBLY KIT Sizes		3KRY2863 0.50/1.00 3MKRY2863 STD/0.50/1.00		4KRY2863 STD/0.50/1.00 4MKRY2863 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0200 @ 37.00		.0200 @ 37.00			
COMP HEIGHT	PIN DIA.	27.10	16.000	27.10	16.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1778 STD/0.50/1.00 1.500 1.500 2.800 PS1778 STD/0.50/1.00 1.500 1.500 2.800		M1786 STD/0.50/1.00 1.500 1.500 2.800 PS1786 STD/0.50/1.00 1.500 1.500 2.800		M1664 STD/0.50/1.00 1.500 1.500 2.800	

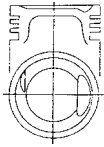
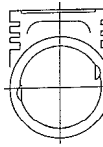
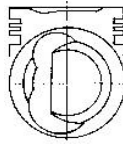
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



970cc Carry Van SK413; Cervo; DA21 DA21; Hatch; Jimmy; Series 40, 410; Sierra; 2240 F10A	993cc Alto; Cino; Swift G10	993cc Swift G10A
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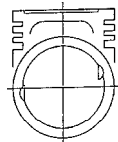
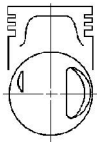
YEARS	NO. OF CYLS	1985-90		1984-88		1988-on	
			4		3		4
BORE & STROKE	(MM)	65.500	72.000	74.000	77.000	74.000	77.000
	(IN)	2.5787	2.8346	2.9133	3.0314	2.9133	3.0314
PISTON HEAD TYPE		123 		181 		241 	
PISTON ASSEMBLY KIT Sizes		4KRY2784 STD/0.50/1.00		3MKRY2934 STD/0.50/1.00		4MKRY2993 STD/0.50/1.00	
		4MKRY2784 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 54.00		.0200 @ 45.30		.0200 @	
COMP HEIGHT	PIN DIA.	24.50	16.000	28.40	17.000	28.300	17.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1678 STD/0.50/1.00 1.500 1.500 2.800		C1764 STD/0.50/1.00 1.200 1.500 2.800		C1764 STD/0.50/1.00 1.200 1.500 2.800	
		PS1678 STD/0.50/1.00 1.500 1.500 2.800		PS1764 STD/0.50/1.00 1.200 1.500 2.800			

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES



993cc Swift G10T Turbo	1324cc Sierra; Swift G13A	1298cc Sierra; Swift G13B SOHC
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YEARS	NO. OF CYLS	1985-on	3	1985-89	4	1984-92	4
BORE & STROKE	(MM)	74.000	77.000	74.000	77.000	74.000	75.500
	(IN)	2.9133	3.0314	2.9133	3.0314	2.9133	2.9724
PISTON HEAD TYPE				181 		215 	
PISTON ASSEMBLY KIT Sizes				4KRY2934⁽¹⁾ STD/0.50/1.00 4MKRY2934⁽¹⁾ STD/0.50/1.00		4KRY2929 STD/0.50/1.00 4MKRY2929 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0200 @ 45.00		.0200 @ 45.80	
COMP HEIGHT	PIN DIA.			28.10	17.000	28.90	17.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1764 STD/0.50/1.00 1.200 1.500 2.800 PS1764 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800 PS1770 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800 PS1770 STD/0.50/1.00 1.200 1.500 2.800	

LEGEND

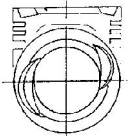
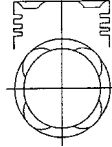
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 2934 suits unleaded vehicles and is a lower compression piston than 2783. 2934 supersedes 2783.



1298cc Swift G13B DOHC	1590cc Vitara G16A SOHC	1590cc Baleno; Swift; Vitara G16B SOHC 16 Valve EFI
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YEARS	NO. OF CYLS	1986-92		1988-92		1989-95	
BORE & STROKE	(MM)	74.000	75.500	75.000	90.000	75.000	90.000
	(IN)	2.9133	2.9724	2.9527	3.5433	2.9527	3.5433
PISTON HEAD TYPE				219 		114 	
PISTON ASSEMBLY KIT Sizes				4MKRY2928 STD/0.50/1.00		4MKRY2962 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0200 @ 48.00		.0300 @ 53.00	
COMP HEIGHT	PIN DIA.			28.10	19.000	28.55	19.000
LOCKING DEVICE				CC		CC	
RING GROOVE WIDTHS				1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1770 STD/0.50/1.00 1.200 1.500 2.800 PS1770 STD/0.50/1.00 1.200 1.500 2.800		C1835 STD/0.50/1.00 1.200 1.500 2.800		C1835 STD/0.50/1.00 1.200 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1891cc Corona, 1900	3794cc Lexcen	3794cc Lexcen
Holden 1.9L Starfire	Holden 3.8L V6	Holden 3.8L V6

YEARS	NO. OF CYLS	1978-85	4	1988-94	6	1994-95	6
BORE & STROKE	(MM)	88.900	76.200	96.520	86.360	96.520	86.360
	(IN)	3.5000	3.0000	3.8000	3.4000	3.8000	3.4000
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY2505 STD/020/030/040/060		6KRY3800 STD/020/040 6MKRY3800 STD/020/040		6MKRY3801 STD/020/040	
CLEARANCE & POSITION (From crown)		.0015 @ 1.12		.0005 @ 1.73		.0005 @ 1.78	
COMP HEIGHT	PIN DIA.	1.78	.866	1.39	.906	1.44	.906
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.059 .059 .118		.047 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		3500A 3500B					
RING SET Sizes Widths		M1576 STD/020/030/040/060 .078 .078 .187 PS1576 STD/020/030/040/060 .078 .078 .187		M1727 STD/020/040 .055 .055 .118 M9095⁽¹⁾ 005 .055 .055 .118 M9100⁽²⁾ 005 .055 .055 .118 PS1727 STD/020/040 .055 .055 .118		M1812 STD/020/040 .047 .059 .118	

LEGEND

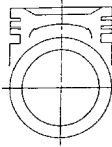
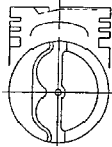
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M9095 ring set used in the Formula Brabham racing class and M9095 is a file back ring set.
 (2) M9100 is a file back ring set.



3794cc Lexcen Holden 3.8L V6	1452cc Carina; Corolla; Corsa; Sprinter; Tercel Tercel 1A, 1AC	1298cc Corolla, AE80 2A, 2ALC
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YEARS	NO. OF CYLS	1995-ON	6	1978-80	4	1985-89	4
BORE & STROKE	(MM)	96.520	86.360	77.500	77.000	76.000	71.400
	(IN)	3.8000	3.4000	3.0511	3.0314	2.9921	2.8110
PISTON HEAD TYPE		22				154	
PISTON ASSEMBLY KIT Sizes		6MKRY3802 STD/020/040				4MKRY2949 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0005 @ 1.79				.0200 @ 49.80	
COMP HEIGHT	PIN DIA.	1.08	.866			33.50	18.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		.047 .059 .118				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1812⁽¹⁾ STD/020/040 .047 .059 .118		C1673 STD/0.50/1.00 1.500 1.500 2.800 PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		C1836 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

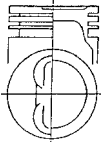
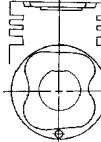
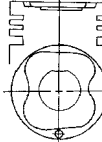
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) M1812 ring set suits ACL piston only.
ACL piston for this model has been designed to incorporate a 3mm wide oil ring. Original pistons use a 2mm wide oil ring.



1453cc Corolla; Corsa; Sprinter; Tercel Tercel; 1500	1587cc Carina; Corolla, Corolla; Sprinter	1587cc Corolla, AE95, Corolla
3AC	4A, 4AC, 4ALC	4AFC DOHC 16 Valve

YEARS	NO. OF CYLS	1979-82	4	1983-88	4	1989-91	4
BORE & STROKE	(MM)	77.500	77.000	81.000	77.000	81.000	77.000
	(IN)	3.0511	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		67 		204 		204 	
PISTON ASSEMBLY KIT Sizes		4MKRY8052 STD/0.50/1.00		4KRY8019⁽¹⁾ STD/0.50/1.00 4MKRY8019⁽¹⁾ STD/0.50/1.00		4KRY8003 STD/0.50/1.00 4MKRY8003 STD/0.50/1.00	
	CLEARANCE & POSITION (From crown)	.0200 @ 46.00		.0300 @ 46.00		.0300 @ 46.00	
COMP HEIGHT	PIN DIA.	30.70	18.000	30.40	18.000	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1673 STD/0.50/1.00 1.500 1.500 2.800		C1741 STD/0.50/1.00 1.500 1.500 2.800		C1805 STD/0.50/1.00 1.500 1.500 3.000	
		PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		PS1741 STD/0.50/1.00 1.500 1.500 2.800		PS1805 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

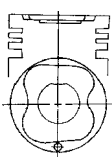
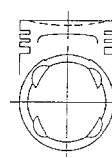
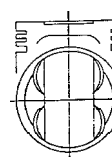
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Piston 8019 supersedes 2815.



1587cc Corolla, AE101	1587cc Corolla, AE95, Corolla	1587cc Corolla; MR2
4AFE DOHC 16 Valve	4AFE DOHC 16 Valve	4AGE DOHC 16 Valve

YEARS	NO. OF CYLS	1991-92		1992-on		1986-87	
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	81.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		204 		148 		194 	
PISTON ASSEMBLY KIT Sizes		4KRY8003 STD/0.50/1.00		4MKRY8058 STD/0.50/1.00		4KRY8018 STD/0.50/1.00	
		4MKRY8003 STD/0.50/1.00				4MKRY8018 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 46.00		.0200 @ 42.50		.0300 @ 50.00	
COMP HEIGHT	PIN DIA.	30.40	18.000	30.20	20.015	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 3.000		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1805 STD/0.50/1.00 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000		C1741 STD/0.50/1.00 1.500 1.500 2.800	
		PS1805 STD/0.50/1.00 1.500 1.500 3.000				PS1741 STD/0.50/1.00 1.500 1.500 2.800	

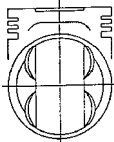
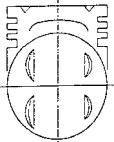
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1587cc Corolla; MR2	1587cc Corolla	1587cc Celica; Corolla; Corona
4AGE DOHC 16 Valve	4AGE DOHC 16 Valve	4AGZE DOHC 16 Valve

YEARS	NO. OF CYLS	1987-89	4	1989-91	4	1987-89	4
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	81.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		194 		192 			
PISTON ASSEMBLY KIT Sizes		4KRY8007 STD/0.50/1.00 4MKRY8007 STD/0.50/1.00		4MKRY8011 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0300 @ 50.00		.0300 @ 50.00			
COMP HEIGHT	PIN DIA.	30.40	20.000	30.40	20.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.200 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800		C1806 STD/0.50/1.00 1.200 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800 PS1806 STD/0.50/1.00 1.200 1.500 2.800		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800	

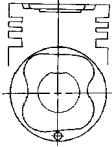

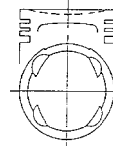
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1587cc Corolla 4ALC OHC	1397cc Corolla 6A, 6AFC	1762cc Corolla, AE102 7A, 7AFE DOHC 16 Valve
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YEARS	NO. OF CYLS	1986-89	4	1989-on	4	1994-on	4
BORE & STROKE	(MM)	81.000	77.000	76.000	77.000	81.000	85.500
	(IN)	3.1889	3.0314	2.9921	3.0314	3.1889	3.3661
PISTON HEAD TYPE		204 		237 		148 	
PISTON ASSEMBLY KIT Sizes		4KRY8019 ⁽¹⁾ STD/0.50/1.00 4MKRY8019 ⁽¹⁾ STD/0.50/1.00		4MKRY2985 STD/0.50/1.00		4MKRY8059 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 46.00		30.500 @		.0200 @ 42.50	
COMP HEIGHT	PIN DIA.	30.40	18.000	30.50	18.005	30.20	20.015
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1741 ⁽²⁾ STD/0.50/1.00 1.500 1.500 2.800 C1805 ⁽²⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1741 ⁽²⁾ STD/0.50/1.00 1.500 1.500 2.800		C1859 STD 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000	

LEGEND

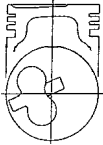
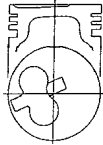
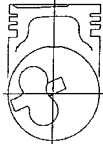
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 8019 supersedes 2815.
- (2) C1741 suits 2815 piston and has 1.5, 1.5, 2.80mm rings. Some engines use 1.5, 1.5, 3.00mm rings and are serviced by C1805 ring set.



2977cc Coaster; Dyna; Landcruiser, BJ B Diesel	3168cc Coaster, BB; Dyna; Landcruiser 2B Diesel	3431cc Coaster, BB; Dyna, BU; Landcruiser, BJ 3B Diesel
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YEARS	NO. OF CYLS	1972-88	4	1977-84	4	1980-88	4
BORE & STROKE	(MM)	95.000	105.000	98.000	105.000	102.000	105.000
	(IN)	3.7401	4.1338	3.8582	4.1338	4.0157	4.1338
PISTON HEAD TYPE		62 		62 		62 	
PISTON ASSEMBLY KIT Sizes		4MKRY2810 STD/0.50/1.00		4MKRY2811 STD		4MKRY2812 STD	
CLEARANCE & POSITION (From crown)		.1000 @ 89.00		.1300 @ 89.30		.0100 @ 100.00	
COMP HEIGHT	PIN DIA.	52.30	29.000	52.20	29.000	52.20	32.000
LOCKING DEVICE		CC		CC		AC	
RING GROOVE WIDTHS		2.500 2.500 4.500		2.000 2.500 4.500		2.500 2.500 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSV3740-SF⁽¹⁾ RSA2810/1⁽¹⁾		FSZ3858⁽³⁾ RSA2811⁽³⁾		FSZ4016-SF⁽⁴⁾ RSA2812-SF⁽⁴⁾	
RING SET Sizes Widths		C1650(2) STD 2.500 2.500 2.500 4.500 C1712 STD/0.50/1.00 2.500 2.500 4.500				C1709 STD 2.500 2.500 4.500	

LEGEND

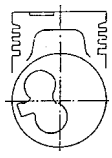
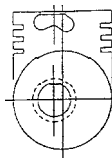
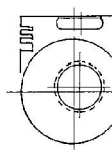
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|--|--|
| <p>(1) RSA2810/1 & FSZ3740 102mm O.D.
 RSA2810/1-SF & FSZ3740-SF 102mm O.D.
 RSA2810/2-SF & FSX3740R-SF 100mm O.D.
 RSA2810/3-SF & FSV3740-SF 99mm O.D.
 For further tech info refer back of catalogue.</p> <p>(2) C1650 suits pistons with 3 compression rings. C1712 suits later model pistons as well as 2810 pistons</p> <p>(3) RSA2811 contains FSZ3858 sleeve
 RSA2811-SF contains FSZ3858-SF semi-finished sleeve with:</p> | <p>Liner outer diameter: 102.040mm.
 Flange diameter: 107.675mm.
 Flange depth: 1.250mm.
 Flange width: 2.535mm.
 Liner length: 189.800mm.</p> <p>(4) RSA2812-SF contains FSZ4016-SF semi-finished sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.</p> |
|--|--|



3431cc Dyna	3431cc Coaster; Dyna; Landcruiser	3660cc Toyo Ace
3B Diesel	13B Diesel	14B

YEARS	NO. OF CYLS	1988-on		1984-on		1988-on	
BORE & STROKE	(MM)	102.000	105.000	102.000	105.000	102.000	112.000
	(IN)	4.0157	4.1338	4.0157	4.1338	4.0157	4.4094
PISTON HEAD TYPE		95 		112 		216 	
PISTON ASSEMBLY KIT Sizes		4MKRY2955 STD/0.50/1.00		4MKRY2910 STD		4MKRY2948 0.50/1.00	
CLEARANCE & POSITION (From crown)		.0900 @ 95.00		.0650 @ 80.00		.0700 @ 81.00	
COMP HEIGHT	PIN DIA.	55.25	32.000	63.40	34.000	51.70	32.000
LOCKING DEVICE		SC		SC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.500 2.500 4.500		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ4016-SF		FSZ4016-SF⁽³⁾ RSA2910-SF⁽³⁾			
RING SET Sizes Widths		C1709 STD 2.500 2.500 4.500 C1877⁽²⁾ STD/0.50/1.00 2.500 2.000 4.000		C1820 STD 2.500 2.500 4.500		C1877 STD/0.50/1.00 2.500 2.000 4.000	

LEGEND

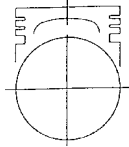
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) C1877 ring set suits 2955 piston.
- (3) RSA2910-SF contains FSZ4016-SF semi-finished sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.



1839cc Lite Ace 1C Diesel	1456cc Carina; Corolla; Sprinter; Tercel Tercel 3E	3878cc Landcruiser, FJ F
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YEARS	NO. OF CYLS	1982-90	4	1986-on	4	1954-75	6
BORE & STROKE	(MM)	83.000	85.000	73.000	87.000	90.000	101.600
	(IN)	3.2677	3.3464	2.8740	3.4251	3.5433	4.0000
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						6KRY2638 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)						.0800 @ 32.00	
COMP HEIGHT	PIN DIA.					47.00	25.150
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						2.000 2.500 4.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1789 STD/0.50/1.00 2.000 2.000 4.000		C1808 STD/0.50/1.00 1.500 1.500 3.000 PS1808 STD/0.50/0.75/1.00 1.500 1.500 3.000		C1542 STD/0.50/1.00 2.000 2.500 4.000 4.000 C1556 STD/040 3.000 3.000 4.000 4.000 PS1542 STD/0.50/1.00 2.000 2.500 4.000 4.000	

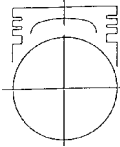
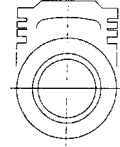
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



4230cc Landcruiser, FJ 2F	3955cc Landcruiser, FJ 3F	3955cc Landcruiser 3FE
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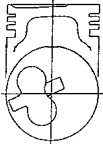
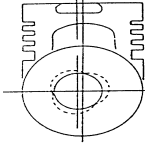
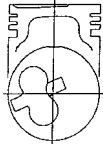
YEARS	NO. OF CYLS	1975-83	6	1984-89	6	1988-on	6
BORE & STROKE	(MM)	94.000	101.600	94.000	95.000	94.000	95.000
	(IN)	3.7007	4.0000	3.7007	3.7401	3.7007	3.7401
PISTON HEAD TYPE		1 		32 			
PISTON ASSEMBLY KIT Sizes		6KRY2648 STD/0.50/0.75/1.00/1.50 6MKRY2648 STD		6MKRY2822 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0500 @ 28.00		.0300 @ 60.00			
COMP HEIGHT	PIN DIA.	47.17	25.150	37.40	22.000		
LOCKING DEVICE		AC		CC			
RING GROOVE WIDTHS		2.000 2.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3687B		3687B			
RING SET Sizes Widths		C1546 STD/0.50/0.75/1.00/1.50 2.000 2.500 4.000 PS1546 STD/0.50/0.75/1.00/1.50 2.000 2.500 4.000		M1798 STD/0.50/1.00 1.500 1.500 4.000 PS1798 STD/0.50/1.00 1.500 1.500 4.000		C1822 STD 2.000 2.000 4.000	

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES



3576cc Dyna; Landcruiser, HJ H Diesel	4164cc Coaster; Landcruiser 1HDT Diesel	4164cc Coaster; Landcruiser 1HZ Diesel
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YEARS	NO. OF CYLS	1972-81	6	1988-on	6	1988-on	6
BORE & STROKE	(MM)	88.000	98.000	94.000	100.000	94.000	100.000
	(IN)	3.4645	3.8582	3.7007	3.9370	3.7007	3.9370
PISTON HEAD TYPE		62 		108 		62 	
PISTON ASSEMBLY KIT Sizes		6KRY2728⁽¹⁾ 0.50/0.75/1.00 6MKRY2728⁽¹⁾ STD		6MKRY2980 STD/0.50/1.00		6MKRY2939 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.1300 @ 100.00		.0400 @		.0400 @ 70.60	
COMP HEIGHT	PIN DIA.	52.30	27.000	47.90	33.000	43.60	29.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.500 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1648⁽²⁾ STD/0.50/1.00 2.500 2.500 4.000 C1752⁽²⁾ STD 2.500 2.500 2.500 4.000 4.000		C1784 STD/0.50/1.00 2.000 2.000 4.000		C1784 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

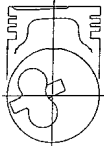
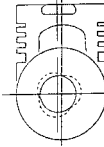
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) L and R pistons are left hand and right hand.
 L equals cylinders 1, 2, 4. R equals cylinders 3, 5, 6.
- (2) C1752 suits 5 ring piston. C1753 suits 4 ring piston, C1648 suits 2728A/B are 3 ring pistons.



3980cc Dyna; Landcruiser, HJ	3980cc Coaster, HB; Landcruiser	3980cc Coaster; Landcruiser
2H Diesel	2H Diesel	12HT Turbo Diesel

YEARS	NO. OF CYLS	1979-84	6	1984-91	6	1986-90	6
BORE & STROKE	(MM)	91.000	102.000	91.000	102.000	91.000	102.000
	(IN)	3.5826	4.0157	3.5826	4.0157	3.5826	4.0157
PISTON HEAD TYPE		62 				108 	
PISTON ASSEMBLY KIT Sizes		6MKRY2727⁽¹⁾ STD/0.50/1.00				6MKRY2947 0.50/1.00	
CLEARANCE & POSITION (From crown)		.0800 @ 75.00				.0550 @ 85.00	
COMP HEIGHT	PIN DIA.	52.10	29.000			56.30	32.000
LOCKING DEVICE		SC				CC	
RING GROOVE WIDTHS		2.500 2.500 4.000				2.500 2.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3583^(2, 3)	RSA2727^(2, 3)				
RING SET Sizes Widths		C1647⁽⁴⁾ STD/0.50/1.00 2.500 2.500 4.000		C1647 STD/0.50/1.00 2.500 2.500 4.000		C1842 STD/0.50/1.00 2.500 2.500 4.000	
		C1754⁽⁴⁾ STD 2.500 2.500 2.000 4.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Engines from 8/80-3/82 use a piston with a 27mm pin diameter. The RY2727 suits 4/82-11/84 and has a 29mm pin diameter.
- (2) RSA272 7 contains FSZ3583 sleeve.
 Flange diameter: 100.80mm.
 Flange width: 1.20mm.
 Flange depth: 2.545mm.
 Liner outer diameter: 95.065mm.
 Liner length: 183.50mm.

- (3) RSA2727-SF contains FSX3583R-SF semi-finished sleeve.
 Flange diameter: 100.762mm.
 Flange width: 2.591mm.
 Flange depth: 1.250mm.

- (4) C1754R suits 4 ring piston, C1647 suits RY2727 which is a 3 ring piston.



1077cc Corolla K	1166cc Corolla; Lite Ace 3K	1290cc Corolla; Lite Ace, TM 4K
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YEARS	NO. OF CYLS	1966-70		1970-83		1970-85	
BORE & STROKE	(MM)	75.000	61.000	75.000	66.000	75.000	73.000
	(IN)	2.9527	2.4015	2.9527	2.5984	2.9527	2.8740
PISTON HEAD TYPE		1 		1 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2509 STD/020/040/060 4MKRY2509 STD		4KRY2509 STD/020/040/060 4MKRY2509 STD		4KRY2509 STD/020/040/060 4MKRY2509 STD	
CLEARANCE & POSITION (From crown)		.0400 @ 62.50		.0400 @ 62.50		.0400 @ 62.50	
COMP HEIGHT	PIN DIA.	35.48	18.000	35.48	18.000	35.48	18.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		2952A 2952B		2952A 2952B		2952A 2952B	
RING SET Sizes Widths		C1247 STD/040/060 2.000 2.000 4.000 PS1247 STD/020/040/060 2.000 2.000 4.000		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000 C1539⁽¹⁾ STD 2.000 2.000 4.000 PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1539 STD 2.000 2.000 4.000		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000 C1539⁽¹⁾ STD 2.000 2.000 4.000 PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1539⁽¹⁾ STD 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1539/PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0,2.0,4.0mm ring configurations. Some late models use 1.5,1.5,4.00mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring. C/PS1247 has 4.0mm radial depth oil ring.



1486cc Corolla; Corona; Lite Ace 5K	1486cc Corolla; Corona; Lite Ace KM 5K	2188cc Blizzard; Hi-Ace LH; Hi-Ace-SBV; Hi-Lux; Toyo Ace, LY L Diesel
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YEARS	NO. OF CYLS	1983-86	4	1986-88	4	1977-83	4
BORE & STROKE	(MM)	80.500	73.000	80.500	73.000	90.000	86.000
	(IN)	3.1692	2.8740	3.1692	2.8740	3.5433	3.3858
PISTON HEAD TYPE				22 			62
PISTON ASSEMBLY KIT Sizes				4KRY2892 STD/0.50/1.00 4MKRY2892 STD/0.50/1.00			4MKRY2732 STD/0.50/1.00
CLEARANCE & POSITION (From crown)				.0200 @ 53.80			.0500 @ 77.00
COMP HEIGHT	PIN DIA.			35.60	18.000	52.20	27.000
LOCKING DEVICE				CC			CC
RING GROOVE WIDTHS				1.500 1.500 4.000			2.000 2.000 4.000
CYLINDER SLEEVE/ASSEMBLY						FSZ3543-S	
RING SET Sizes Widths		M1736 STD/0.50/1.00 1.500 1.500 4.000 PS1736 STD/0.50/1.00 1.500 1.500 4.000		M1736 STD/0.50/1.00 1.500 1.500 4.000 PS1736 STD/0.50/1.00 1.500 1.500 4.000		M1751⁽¹⁾ STD 2.500 2.000 4.000 C1652⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000	

LEGEND

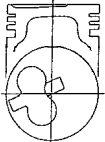
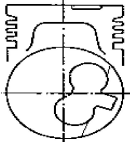
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1751 suits 1977-81, parrallel sided top ring.
C1652 and piston 2732 has a trapezoidal top ring.



2446cc Bundera; Dyna; Hi-Ace LH; Hi-Ace-SBV; Hi-Lux, LN; Landcruiser; Toyo Ace; 4-Runner 2L Diesel	2446cc Hilux; Dyna; Bundera 2L Diesel	2446cc Hi-Ace-SBV; Hi-Lux 2LT Turbo Diesel
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YEARS	NO. OF CYLS	1982-88	4	1988-91	4	1983-88	4
BORE & STROKE	(MM)	92.000	92.000	94.000		92.000	92.000
	(IN)	3.6220	3.6220	3.7007		3.6220	3.6220
PISTON HEAD TYPE		62 		240 			
PISTON ASSEMBLY KIT Sizes		4MKRY2813 STD/0.50/1.00		4MKRY2981 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0600 @ 63.00		.050 @			
COMP HEIGHT	PIN DIA.	49.20	27.000	44.30	27.000		
LOCKING DEVICE		SC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		FSW3622-SF ^(1, 2) RSA2813 ⁽²⁾					
RING SET Sizes Widths		C1710 STD/0.50/1.00 2.000 2.000 4.000		C1900 STD/0.50/1.00 2.000 2.000 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

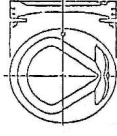
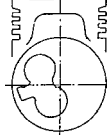
NOTES

(1) FSW3622-SF is a flanged sleeve.
 3625B is a universal type parallel non-flanged sleeve and can be used instead of flanged sleeve where counter boring of block is not desired.

(2) RSA2813-SF contains PSW3622-SF semi-finished sleeve with:
 Liner outer diameter: 96.075mm.
 Flange diameter: N/A plain sleeve
 Flange depth: N/A
 Flange width: N/A
 Liner length: 179.000mm.



2446cc Hi-Ace-SBV; Hi-Lux; Landcruiser	2780cc Dyna; Hi-Lux, LN; Toyo Ace; 4-Runner	1988cc Corona 2000; Crown; Starlet
2LT Turbo Diesel	3L Diesel	M

YEARS	NO. OF CYLS	1988-91	4	1988-on	4	1965-74	6
BORE & STROKE	(MM)	92.000	92.000	96.000	96.000	75.000	75.000
	(IN)	3.6220	3.6220	3.7795	3.7795	2.9527	2.9527
PISTON HEAD TYPE		239 		95 			
PISTON ASSEMBLY KIT Sizes		4MKRY2982 STD/0.50/1.00		4MKRY2884⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.020 @		.0500 @ 70.30			
COMP HEIGHT	PIN DIA.	36.100	23.000	43.30	29.000		
LOCKING DEVICE				CC			
RING GROOVE WIDTHS		2.360 2.360 4.750		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY				FSX3780-SF⁽¹⁾RSA2884-SF^(1, 2)		2952A 2952B	
RING SET Sizes Widths		C1900 STD/0.50/1.00 2.360 2.360 4.750		C1785 STD/0.50/1.00 2.000 2.000 4.000		C1246 040/060 2.000 2.000 4.000 PS1246 STD 2.000 2.000 4.000	

LEGEND

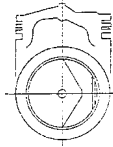
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2884-SF contains FSX3780R-SF sleeve with:
 Liner outer diameter: 100.088mm.
 Flange diameter: 104.775mm.
 Flange depth: N/A
 Flange width: 3.515mm.
 Liner length: 180.000mm.
- (2) Contains armoured (Alfin) top ring groove.



2253cc Corona, 2300; Crown 2M	1988cc Crown 3M	2563cc Corona, 2600; Cressida; Crown 4M
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YEARS	NO. OF CYLS	1965-on	6	1965-84	6	1971-77	6
BORE & STROKE	(MM)	75.000	85.000	75.000	75.000	80.000	85.000
	(IN)	2.9527	3.3464	2.9527	2.9527	3.1496	3.3464
PISTON HEAD TYPE						45	
PISTON ASSEMBLY KIT Sizes						 6KRY2527 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)						.0020 @ .87	
COMP HEIGHT	PIN DIA.					1.29	.866
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						2.0 2.0 4.0	
CYLINDER SLEEVE/ASSEMBLY				2952A 2952B			
RING SET Sizes Widths	C1246 040/060 2.000 2.000 4.000		C1246 040/060 2.000 2.000 4.000		M1370 STD 2.000 2.000 4.000		
	PS1246 STD 2.000 2.000 4.000		PS1246 STD 2.000 2.000 4.000		C1370 020/040/060 2.000 2.000 4.000		
						PS1370 STD/020/030/040/060 2.000 2.000 4.000	

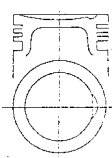
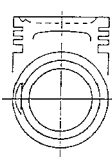
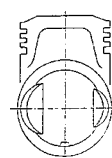
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2563cc Cressida; Crown 4M	2759cc Celica; Cressida; Crown; MX73; Supra 5M, 5ME	2759cc Celica; Cressida; Crown; MX73 5MGE DOHC
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YEARS	NO. OF CYLS	1977-83		1979-84		1985-88	
BORE & STROKE	(MM)	80.000	85.000	83.000	85.000	83.000	85.000
	(IN)	3.1496	3.3464	3.2677	3.3464	3.2677	3.3464
PISTON HEAD TYPE		125 		152 		85 	
PISTON ASSEMBLY KIT Sizes		6MKRY2686 STD/0.50/1.00		6KRY2733 STD/0.50/1.00 6MKRY2733 STD/0.50/1.00		6MKRY2954 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 22.00		.0400 @ 23.00		.0200 @ 47.20	
COMP HEIGHT	PIN DIA.	32.50	22.000	32.60	22.000	32.70	22.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1370 STD 2.000 2.000 4.000 C1370 020/040/060 2.000 2.000 4.000 PS1370 STD/020/030/040/060 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000		C1839 STD/0.50/1.00 1.500 1.500 4.000	

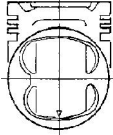
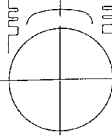
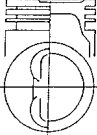
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2954cc Cressida; Crown; Supra 7MGE	1490cc Corona; Crown; Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN; Toyo Ace; 1500 2R	2438cc Hi-Ace-SBV 2RZ, 2RZ-E
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YEARS	NO. OF CYLS	1988-92	6	1964-71	4	1989-on	4
BORE & STROKE	(MM)	83.000	91.000	78.000	78.000	95.000	86.000
	(IN)	3.2677	3.5826	3.0708	3.0708	3.7401	3.3858
PISTON HEAD TYPE		214 		1 		67 	
PISTON ASSEMBLY KIT Sizes		6MKRY2953 STD/0.50/1.00		4MKRY2296 STD/0.30/0.40/0.60		4MKRY2946 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 61.00		.0380 @ 24.00		.0200 @ 48.00	
COMP HEIGHT	PIN DIA.	32.50	22.000	38.40	20.000	35.20	24.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.500 4.000		1.750 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1839 STD/0.50/1.00 1.500 1.500 4.000		C1194 STD/0.40 2.000 2.500 4.000 PS1194 STD/0.30/0.40/0.60 2.000 2.500 4.000		C1861 STD/0.50/1.00 1.750 1.500 4.000	

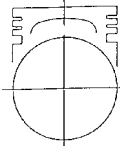
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1897cc Crown; Dyna; Stout 3R	1994cc Coaster; Crown; Dyna, BU; Stout; Toyo Ace, RY, YY 5R	1707cc Corona 6R
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YEARS	NO. OF CYLS	1960-69	4	1968-83	4	1968-81	4
BORE & STROKE	(MM)	88.000	78.900	88.000	82.000	86.000	73.500
	(IN)	3.4645	3.1062	3.4645	3.2283	3.3858	2.8937
PISTON HEAD TYPE				1			
PISTON ASSEMBLY KIT Sizes				4KRY2534 STD/020/040/060			
CLEARANCE & POSITION (From crown)				.0640 @ 24.50			
COMP HEIGHT	PIN DIA.			39.00	22.000		
LOCKING DEVICE				CC			
RING GROOVE WIDTHS				2.000 2.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3431B		3431B		3375A 3375B	
RING SET Sizes Widths		C3191 040 2.500 2.500 5.000		C1298 STD/020/040/060 2.000 2.500 4.000 PS1298 STD/020/040/060 2.000 2.500 4.000		M1334 STD 2.000 2.500 4.000 PS1334 0.50/1.00 2.000 2.500 4.000	

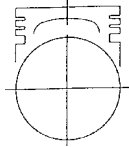
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1591cc Corona 7R	1858cc Corona; Hi-Lux 8R	1587cc Corona: Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN; Toyo Ace 12R
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YEARS	NO. OF CYLS	1968-81	4	1968-81	4	1971-83	4
BORE & STROKE	(MM)	86.000	68.500	86.000	80.000	80.500	78.000
	(IN)	3.3858	2.6968	3.3858	3.1496	3.1692	3.0708
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						4KRY2541 STD/020/040/060	
CLEARANCE & POSITION (From crown)						.0500 @ 25.00	
COMP HEIGHT	PIN DIA.					39.00	20.000
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B			
RING SET Sizes Widths		M1334 STD 2.000 2.500 4.000		M1334 STD 2.000 2.500 4.000		M1554⁽¹⁾ STD 2.000 2.000 4.000	
		PS1334 0.50/1.00 2.000 2.500 4.000		PS1334 0.50/1.00 2.000 2.500 4.000		C1554⁽¹⁾ STD/020/040/060 2.000 2.000 4.000	
						PS1554⁽¹⁾ STD/020/040/060 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

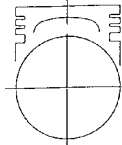
NOTES

(1) C/M/PS1554 do not suit original piston after engine no. 12R1356135.



1808cc Corona 16R	1968cc Celica; Corona, RT104, 2000; Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN 18R	1968cc Hi-Ace-SBV 18RG
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YEARS	NO. OF CYLS	1968-on		1968-82		1977-on	
BORE & STROKE	(MM)	88.500	73.500	88.500	80.000	88.500	80.000
	(IN)	3.4842	2.8937	3.4842	3.1496	3.4842	3.1496
PISTON HEAD TYPE				1			
PISTON ASSEMBLY KIT Sizes				4KRY2555 STD/020/040/060			
CLEARANCE & POSITION (From crown)				.0500 @ 24.50			
COMP HEIGHT	PIN DIA.			39.60	22.000		
LOCKING DEVICE				CC			
RING GROOVE WIDTHS				2.000 2.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000	
		PS1446 STD/020/030/040/060 2.000 2.500 4.000		PS1446 STD/020/030/040/060 2.000 2.500 4.000		PS1446 STD/020/030/040/060 2.000 2.500 4.000	

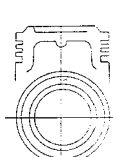


LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES



2189cc Celica; Coaster, RB; Corolla; Corona; Cressida; Hi-Lux 20R	1972cc Camry; Celica; Coaster; Corolla; Corona, 2000; Cressida; Hi-Ace-SBV; Hi-Lux 21R	2366cc Celica; Coaster; Corona 22R
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YEARS	NO. OF CYLS	1973-82	4	1978-83	4	1981-82	4
BORE & STROKE	(MM)	88.500	88.900	84.000	89.000	92.000	89.000
	(IN)	3.4842	3.5000	3.3070	3.5039	3.6220	3.5039
PISTON HEAD TYPE				121			121
PISTON ASSEMBLY KIT				4KRY2731 STD/0.50/1.00 4MKRY2731 0.75/1.00	4MKRY2836 STD/0.50/1.00		
SIZES							
CLEARANCE & POSITION				.0200 @ 70.00	.0200 @ 91.00		
(From crown)							
COMP HEIGHT	PIN DIA.			46.10	22.000	38.90	22.000
LOCKING DEVICE				CC	CC		
RING GROOVE WIDTHS				1.500 2.000 4.000	2.000 2.500 4.000		
CYLINDER SLEEVE/ASSEMBLY				3312B	3623B		
RING SET		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1446 STD/020/030/040/060 2.000 2.500 4.000		M1649⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 M1651⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1651⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000		C1671⁽²⁾ STD/0.50/1.00 2.000 2.500 4.000	
SIZES							
WIDTHS							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1651 oil ring suits a groove depth of 4.00mm (0.157in) M1649 suits groove depth of 3.50mm (0.138in).
- (2) C1671 has 2, 2.5, 4mm ring pack suits early models.



2367cc Avante; Bundera; Celica; Coaster, RB; Corona, Avante, 2400; Hi-Lux, RN 22R OHC	1832cc Camry; Carina; Celica; Chaser; Corona	1995cc Avante; Camry; Celica; Corona, Avante, ST141; Cresta 2S Carburettor & EFI
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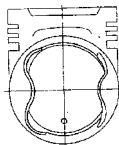
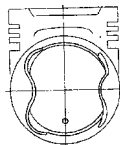
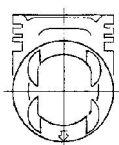
YEARS	NO. OF CYLS	1983-on		1987-89		1982-84	
BORE & STROKE	(MM)	92.000	89.000	80.500	90.000	84.000	90.000
	(IN)	3.6220	3.5039	3.1692	3.5433	3.3070	3.5433
PISTON HEAD TYPE		184		154		67	
PISTON ASSEMBLY KIT Sizes		4KRY8000 STD/0.50/1.00		4MKRY2843 STD/0.50/1.00		4MKRY2734 STD/0.50/0.75/1.00	
		4MKRY8000					
CLEARANCE & POSITION (From crown)		.0300 @ 45.60		.0200 @ 51.00		.0200 @ 56.00	
COMP HEIGHT	PIN DIA.	34.50	22.000	33.00	20.000	33.00	20.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY						3312B	
RING SET Sizes Widths		M1713 STD/0.50/1.00 1.500 1.500 4.000		M1736 STD/0.50/1.00 1.500 1.500 4.000		M1653 STD/0.50/0.75/1.00 1.500 1.500 4.000	
		C1713 1.500 1.500 4.000		PS1736 STD/0.50/1.00 1.500 1.500 4.000		PS1653 STD/0.50/0.75/1.00 1.500 1.500 4.000	
		PS1713 STD/0.50/1.00 1.500 1.500 4.000					

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)
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NOTES	
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1998cc Camry 3SFC DOHC 16 Valve	1998cc Camry; Celica; Rav 4 3SFE DOHC 16 Valve	1998cc Celica; MR2 3SGE DOHC
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YEARS	NO. OF CYLS	1985-on	4	1989-on	4	1985-on	4
BORE & STROKE	(MM)	86.000	86.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		205 		205 		212 	
PISTON ASSEMBLY KIT Sizes		4KRY2851 STD/0.50/1.00		4KRY2851 STD/0.50/1.00		4MKRY8032 STD/0.50/1.00	
		4MKRY2851 STD/0.50/1.00		4MKRY2851 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0300 @ 45.00		.0300 @ 45.00		.0250 @ 47.00	
COMP HEIGHT	PIN DIA.	35.00	20.000	35.00	20.000	34.80	22.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B		3375A 3375B	
RING SET Sizes Widths		M1742 STD/0.50/1.00 1.500 1.500 4.000		M1742 STD/0.50/1.00 1.500 1.500 4.000		M1838 STD/0.50/0.75/1.00 1.200 1.500 4.000	
		PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1742 0.50/1.00 1.500 1.500 4.000			
		C1742 0.50/1.00 1.500 1.500 4.000		PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000			

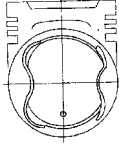
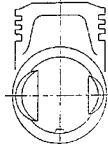
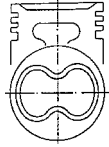
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2164cc Camry; Celica 5SFE DOHC 16 Valve	1588cc Carina; Celica; Corolla; Sprinter 2T	2438cc Tarago 2TZFE L4 DOHC 16 Valve
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YEARS	NO. OF CYLS	1989-94		1971-80		1990-on	
BORE & STROKE	(MM)	87.000	91.000	85.000	70.000	94.000	86.000
	(IN)	3.4251	3.5826	3.3464	2.7559	3.7007	3.3858
PISTON HEAD TYPE		205 		85 		94 	
PISTON ASSEMBLY KIT Sizes		4MKRY8001 STD/0.50/1.00		4KRY2599 STD/0.50/0.75/1.00/1.50		4MKRY2950 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0250 @ 48.40		.0500 @ 60.75		.0300 @ 50.00	
COMP HEIGHT	PIN DIA.	32.40	22.000	39.00	22.000	35.50	24.000
LOCKING DEVICE		CC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.000 4.000		1.750 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3346B			
RING SET Sizes Widths		M1807 STD 1.500 1.500 4.000 C1807 STD/0.50/1.00 1.500 1.500 4.000		M1434 STD/0.50 2.000 2.000 4.000 PS1434 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1861 STD/0.50/1.00 1.750 1.500 4.000	

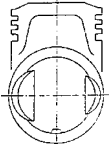
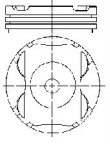
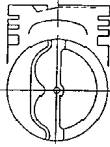
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc Celica; Corolla; Liftback; T18-SE 3T	2507cc Camry; Lexus 2VZFE V6 24 Valve	2959cc Hi-Lux; 4-Runner 3VZE V6 SOHC 12Valve
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YEARS	NO. OF CYLS	1979-82	4	1987-93	6	1990-92	6
BORE & STROKE	(MM)	85.000	78.000	87.500	69.500	87.500	82.000
	(IN)	3.3464	3.0708	3.4448	2.7362	3.4448	3.2283
PISTON HEAD TYPE		85 		223 		154 	
PISTON ASSEMBLY KIT Sizes		4MKRY2735 STD/0.50/1.00		6MKRY8013 STD/0.50/1.00		6KRY8014 STD/0.50/1.00 6MKRY8014 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0200 @ 56.00		.0300 @ 45.30		.0250 @ 47.50	
COMP HEIGHT	PIN DIA.	35.20	22.000	32.20	21.000	33.90	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 3.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3346B					
RING SET Sizes Widths		M1654 STD/0.50/1.00 1.500 1.500 4.000 PS1654 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1814 STD/0.50/1.00 1.500 1.500 3.000 PS1814 STD/0.50/0.75/1.00 1.500 1.500 3.000		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000	

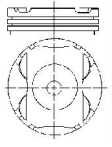
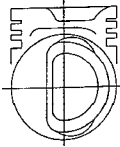
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2958cc Camry; Lexus 3VZFE DOHC 24 Valve	1626cc Hi-Ace-SBV; Hi-Lux, YN; Lite Ace; Tarago; Town Ace 1Y	1812cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, YN; Lite Ace, YM; Tarago; Town Ace 2Y
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YEARS	NO. OF CYLS	1993-94	6	1983-85	4	1983-85	4
BORE & STROKE	(MM)	87.500	82.000	86.000	70.000	86.000	78.000
	(IN)	3.4448	3.2283	3.3858	2.7559	3.3858	3.0708
PISTON HEAD TYPE		223 				182 	
PISTON ASSEMBLY KIT Sizes		6MKRY8025 STD/0.50/1.00				4KRY2818 STD/0.50/1.00 4MKRY2818 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0300 @ 47.00				.0300 @ 55.00	
COMP HEIGHT	PIN DIA.	33.90	22.000			34.70	22.000
LOCKING DEVICE		SC				AC	
RING GROOVE WIDTHS		1.500 1.500 4.000				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3375A 3375B	
RING SET Sizes Widths		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50 1.500 1.500 4.000	

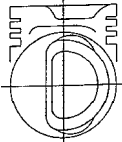
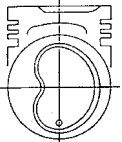
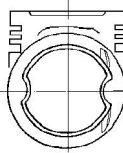
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, LN, YN Lite Ace, YM; Tarago; Town Ace; 4-Runner 3Y	2237cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, YN; Lite Ace; Tarago; Town Ace; 4-Runner 4Y	4476cc Landcruiser 1FZFE
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YEARS	NO. OF CYLS	1983-88	4	1983-86	4	1993-on	6
BORE & STROKE	(MM)	86.000	86.000	91.000	86.000	100.000	95.000
	(IN)	3.3858	3.3858	3.5826	3.3858	3.9370	3.7400
PISTON HEAD TYPE		182 		173 		238 	
PISTON ASSEMBLY KIT Sizes		4KRY2819 0.50/1.00		4KRY2858 STD/0.50/1.00		6MKRY2991 STD/0.50/1.00	
		4MKRY2819 STD/0.50/1.00/1.50		4MKRY2858 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		.0300 @ 55.00		.0300 @ 55.00		.0200 @	
COMP HEIGHT	PIN DIA.	34.40	22.000	34.60	22.000	42.000	26.00
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.750 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B					
RING SET Sizes Widths		M1714 STD/0.50/1.00 1.500 1.500 4.000		M1744 STD/0.50/1.00 1.500 1.500 4.000		C1907 STD/0.50/1.00 1.500 1.500 4.000	
		PS1714 STD/0.50 1.500 1.500 4.000		PS1744 STD/0.50/1.00 1.500 1.500 4.000			

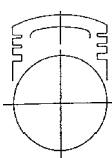
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1335cc Acclaim Honda EN	1296cc Spitfire; Toledo; 1300 1296	1493cc Spitfire; Toledo; 1500 1493
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YEARS	NO. OF CYLS	1981-on	4	1970-on	4	1970-81	4
BORE & STROKE	(MM)	72.000	85.000	73.647	76.000	73.647	87.620
	(IN)	2.8346	3.3464	2.8994	2.9921	2.8994	3.4496
PISTON HEAD TYPE		14 					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566 STD/0.50 1.500 1.500 2.800 C1676 STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000		PS1408 STD/020 .062 .062 .156		PS1408 STD/020 .062 .062 .156	

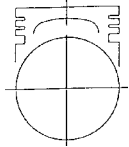
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Dolomite; TR7; 2000; 2500	2498cc GT6; TR2-TR7; 2.5PI; 2500	
1998	2498	

YEARS	NO. OF CYLS	1971-83	6	1967-75	6
BORE & STROKE	(MM)	74.700	76.000	74.689	95.000
	(IN)	2.9409	2.9921	2.9405	3.7401
PISTON HEAD TYPE				1	
PISTON ASSEMBLY KIT Sizes				 6MKRY2804 020/040	
CLEARANCE & POSITION (From crown)				.05 @ 61	
COMP HEIGHT	PIN DIA.			28.98	20.64
LOCKING DEVICE				SC	
RING GROOVE WIDTHS				.062 .062 4.0	
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1705 STD .078 .078 .156		M1353 STD/040 .062 .062 .156 PS1353 STD/020/040 .062 .062 .156	

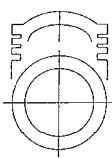
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



160cc Two stroke mower		
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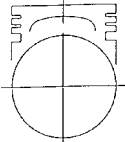
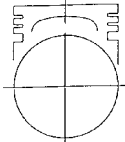
YEARS BORE & STROKE	NO. OF CYLS (MM) (IN)	1 2.420		
PISTON HEAD TYPE	15			
PISTON ASSEMBLY KIT Sizes	RY2712P STD/020/030/040/060			
CLEARANCE & POSITION (From crown)	.0045 @ 2.28			
COMP HEIGHT	PIN DIA.	.945	.615	
LOCKING DEVICE	CC			
RING GROOVE WIDTHS	.093 .093			
CYLINDER SLEEVE/ASSEMBLY				
RING SET Sizes Widths	PS1605 STD			

LEGEND
 PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1986cc 122; 142; 144; 145; 240 240 B20.A.B.E.F	2979cc 145; 164, E B30A.E
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YEARS	NO. OF CYLS	1969-81	4	1968-74	6
BORE & STROKE	(MM)	88.900	80.000	88.900	80.000
	(IN)	3.5000	3.1496	3.5000	3.1496
PISTON HEAD TYPE		1		1	
PISTON ASSEMBLY KIT		4MKRY2603		6MKRY2603	
Sizes		020/030/040		020/030/040	
CLEARANCE & POSITION		.0015 @ 1.08		.0015 @ 1.08	
(From crown)					
COMP HEIGHT	PIN DIA.	1.81	.866	1.81	.866
LOCKING DEVICE		SC		SC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY					
RING SET		C1409		PS1643⁽¹⁾	
Sizes		STD		STD/020/030/040/060	
Widths		.078 .078 .187		.078 .078 .187	
		PS1643⁽¹⁾			
		STD/020/030/040/060			
		.078 .078 .187			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) PS1643 is a 2 cylinder set.

Numerical Listing - Pistons



Base No.	Application	Page	Base No.	Application	Page	Base No.	Application	Page
2028	Holden 161	72	2656	Nissan L18	166	2819	Toyota 3Y	23,218
2030	International BD240	97	2656	Nissan L20B	164	2820	Nissan Z22	174
2032	International ABD/AGD	98	2663	Holden 2265	71	2822	Toyota 3F	199
2033	International ABD/AGD 6.281	98	2666	Subaru EA71	183	2824	Mazda F8 SOHC Belt Drive	34,117
2075	Holden 132 Grey Motor	71	2666	Subaru EA81	183	2824	Mazda FE SOHC EFI	34,118
2075	Holden 138 Grey Motor	71	2667	Honda EB2 OHC	85	2831	Nissan A15	157
2085	Holden 149	72	2668	Honda EF OHC	87	2832	Nissan CA20E	40,158
2087	Holden 179	73	2671	Honda EB1	85	2832	Nissan CA20S Twin Spark Plug	158
2155	Commer 1592 OHV	56	2673	Ford 289/302	51,53	2834	Nissan Z20	173
2197	Ford 120	43	2673	Ford 289 Windsor	51	2836	Toyota 22R	212
2197	Ford 3014	42	2683	Chevrolet 327	13	2839	Honda EB3	86
2259	Leyland 'A' series	1,151	2686	Toyota 4M	207	2839	Honda EN	219
2272	Leyland 'A' series	4,131,153	2691	Mitsubishi 4G52 Astron Chain	142	2839	Honda EN OHC	89
2284	Ford 240	48	2694	Leyland 'B' series	110	2843	Toyota 1S	213
2296	Toyota 2R	208	2699	Mazda UC SOHC Chain Drive	38,127	2844	Mitsubishi G54B Carb & MPI	143
2298	Nissan H20	160	2700	Nissan L28	166	2848	Mazda R2 Diesel	124
2502	Chrysler 245 (Incl Hi Comp)	16,27	2705	Mitsubishi G32B Saturn Belt Dr	140	2848	Mazda RF Diesel OHC	37,124
2504	Chrysler 265	16,27	2706	Mazda NA OHC	123	2849	Mazda HA OHC	120
2505	Holden 1.9L Starfire	70,190	2711	Leyland 'B' series	3,110	2851	Toyota 3SFC 16 Valve DOHC	66,214
2505	Holden 173	6	2712	Victa	221	2851	Toyota 3SFE 16 Valve DOHC	66,214
2505	Holden 173 Red Motor	72	2714	Leyland 'A' series	2,152	2852	Mitsubishi 4DR5 Diesel	137
2505	Holden 2.85L Blue Motor	75	2715	Leyland 'A' series	2,152	2855	Holden 1.8L FII G1 Unleaded	70
2509	Toyota 3K	21,202	2717	Leyland 'A' series	3	2855	Holden 1.8L FII G2 Unleaded	155
2509	Toyota 4K	22,202	2719	Nissan SD20 Diesel	167	2858	Toyota 4Y	24,218
2509	Toyota K	202	2719	Nissan SD22 Diesel	167	2859	Isuzu 4ZB1 OHC Petrol	60,106
2515	Nissan J15	161	2719	Nissan SD33 Diesel	169	2859	Isuzu G180	10
2515	Nissan J16	161	2720	Nissan E13	158	2859	Isuzu G180Z	59,104
2517	Nissan L16	163	2725	Mitsubishi 4G54 Astron Chain	143	2860	Holden 1.8L FII G1 Unleaded	19
2517	Nissan L24	165	2725	Mitsubishi G54B Low Comp	112	2860	Holden 1.8L FII G2 Unleaded	177
2526	Ford 70HM	45	2727	Toyota 2H Diesel	201	2860	Holden 2.0L FII G2 Unleaded	70
2527	Toyota 4M	206	2728	Toyota H Diesel	200	2861	Nissan Z24	174
2530	Ford 2737E Crossflow	44,45	2731	Toyota 21R	212	2862	Nissan TB42S Petrol	41,170
2530	Ford 751M 2V Carburetor	45	2732	Toyota L	203	2863	Suzuki F5AT	186
2534	Toyota 5R	22,209	2733	Toyota 5M, 5ME	207	2863	Suzuki F8A	186
2537	Ford 2735	42	2734	Toyota 2S Carburetor & EFI	213	2864	Ford 4.0L ED	51
2537	Ford 751M	43	2735	Toyota 3T	216	2866	Daihatsu DL Diesel	25
2541	Toyota 12R	22,210	2737	Mazda FE SOHC Belt Drive	34,118	2872	Mazda HA OHC	35,121
2547	Bedford 214	7	2737	Mazda FE SOHC EFI	118	2874	Mazda ZB Diesel	121
2552	International V345 V8	99	2741	Mazda S2 Diesel	38,125	2877	Mitsubishi 4D55T Turbo Diesel	93,136
2553	Rover 3.0L	181	2743	Isuzu G200Z OHC	59,104	2878	Nissan SD23 Diesel	168
2555	Toyota 18R	211	2744	Isuzu 4FB1 OHC Diesel	58,103	2879	Nissan SD25 Diesel	168
2562	Nissan A12	156	2745	Holden 1.6L FII G1 Leaded	175	2880	Nissan TD25	170
2563	Mitsubishi 4G33 Saturn Chain Dr	140	2748	Mitsubishi G62B Sirius Belt Dr	144	2881	Nissan TD27	170
2572	Mitsubishi 4G32 Chain Drive	140	2764	Nissan L20B	164	2881	Nissan TD42 Diesel	41,171
2579	Leyland 4.4L V8	111	2766	Holden 1256	68	2884	Toyota 3L Diesel	205
2580	Opel 1.9S	63	2768	Morris 1746	5,110,154	2889	Mitsubishi 4G54 Hi Comp Chain	142
2586	Isuzu G161Z	10,58,104	2768	Morris 2623	111	2889	Mitsubishi G54B Low Comp	143
2595	Mazda TC OHC	126	2772	Honda EK	88	2890	Mazda B3 1.3L 8 Valve	29,112
2599	Toyota 2T	215	2772	Honda EL OHC	88	2892	Toyota 5K	203
2603	Volvo B20.A.B.E.F	222	2781	Honda EM OHC	88	2893	Mitsubishi 4G63 Sirius Leaded	145
2603	Volvo B30A	222	2784	Suzuki F10A	63,187	2896	Daihatsu CB OHC	24
2603	Volvo B30A.E	222	2799	Nissan RB30E	75,167	2900	Nissan L20B	164
2626	Mazda MA OHC	52	2804	Triumph 2498	220	2904	Isuzu 4ZC1	61,106
2626	Mazda MA OHC	122	2807	Ford 1593	44	2910	Toyota 13B Diesel	21,197
2626	Mazda VC OHC	39,128	2808	Mazda F6	33,117	2917	Hyundai G4CS OHC	95
2638	Toyota F	198	2809	Ford 3.9L EFI	50	2917	Mitsubishi 4G64 SOHC 8 Valve	147
2643	Chrysler 170 Slant 6	15	2810	Toyota B Diesel	20,196	2918	Daihatsu CB OHC	24
2643	Chrysler 198 Slant 6	15	2811	Toyota 2B Diesel	20,196	2919	Daihatsu DL	25
2643	Chrysler 225 Slant 6	16,27	2812	Toyota 3B Diesel	21,196	2923	Isuzu C223 Turbo	57
2647	Mazda NA OHC	36,123	2813	Toyota 2L Diesel	204	2927	Nissan SR20DE	169
2648	Toyota 2F	199	2814	Mazda ZB Diesel	39,128	2928	Suzuki G16A SOHC	189
2652	Ford 170	46	2818	Toyota 2Y	23,217	2929	Suzuki G13A DOHC	64,189



Numerical Listing - Pistons

Base No.	Application	Page	Base No.	Application	Page	Base No.	Application	Page
2929	Suzuki G13B SOHC	64,188	2991	Toyota 1FZFE	218	8041	Mazda B6Y SOHC 8 Valve	29
2930	Daihatsu HCE OHC	26	2992	Isuzu 4ZE1 Late	107	8042	Mazda B6 SOHC 16 Valve	29,113
2931	Daihatsu HDE OHC EFI	26	2993	Suzuki G10A	187	8044	Mazda B6 DOHC 16 Valve	30
2932	Hyundai G4AJ	94	2994	Isuzu 6VD1	107	8044	Mazda B6 DOHC Turbo 16 Valve	113
2932	Hyundai GHY	94	2995	Nissan CA18DE	157	8046	Mazda BP SOHC	30,114
2932	Mitsubishi 4G15 8 Valve Carb	138	3000	Holden 186	73	8047	Mazda BP DOHC 16 Valve	31,114
2933	Mitsubishi G54B Astron MPI Chain	144	3001	Holden 186	73	8048	Mazda E3	31,115
2934	Suzuki G10	187	3301	Holden 202 Red, Blue, Black	74	8049	Mazda D5 SOHC Chain Drive	115
2934	Suzuki G13A	64,188	3302	Holden 202 Red, Blue, Black	6	8049	Mazda E5 OHC Single Carb	115
2935	Holden 1.6L FII G2 Leaded	69,175	3800	Holden 3.8L V6	76,190	8049	Mazda E5 OHC Twin Carb	32
2935	Holden 1.8L FII G1 Leaded	69,175	3801	Holden 3.8L V6	76,190	8050	Mazda E5 OHC Single Carb	31,116
2935	Holden 1.8L FII G1 Unleaded	69,175	3802	Holden 3.8L V6	77,191	8050	Mazda E5 OHC Twin Carb	32
2937	Mazda MA OHC	36	4001	Ford 4.0L ED	51	8051	Mitsubishi 4G63 SOHC Belt Dr	146
2937	Mazda MA OHC Press Fit	122	4100	Ford 4.1L Unleaded	49,155	8052	Toyota 3AC	20,192
2937	Mazda VC OHC	39	4101	Ford 221	48	8053	Isuzu 4XC1	60,105
2938	Holden 1.6L FII G2 Leaded	69,155	4101	Ford 4.1L Leaded Fuel	49	8054	Nissan E15 OHC	69,159
2942	Mitsubishi G62B Turbo Belt Dr	144	4102	Ford 188	47	8055	Nissan E15 OHC Turbo	62
2943	Mazda FS DOHC 16v EFI	33,120	4102	Ford 4.1L (250ci) Hi Comp	49	8056	Honda A20A CARB & EFI	83
2945	Mitsubishi 4G37 Saturn Belt Dr	141	4200	Holden 253 Red & Blue	77	8057	Honda F22A	91
2946	Toyota 2RZ, 2RZ-E	208	4200	Holden 253 Unleaded Petrol	78	8057	Honda F22A5 16 Valve SOHC	91
2947	Toyota 12HT Turbo Diesel	201	4901	Holden 4.9L	79	8058	Toyota 4AFE DOHC 16 Valve	65,193
2948	Toyota 14B	198	4902	Holden 4.9L	79	8059	Toyota 7A, 7AFE DOHC 16 Valve	66,195
2949	Toyota 2A, 2ALC	191	5003	Holden 308 Unleaded Petrol	80	8063	Mitsubishi 4G64 SOHC 8 Valve	147
2950	Toyota 2TZFE L4 DOHC 16V	215	5004	Holden 308 Red, Blue, Black	7,80	8064	Mazda G6 SOHC 12 Valve	120
2952	Nissan SD25 Diesel	168	5167	Bedford 300 Petrol Parent	8	8065	Mitsubishi 4G64 SOHC 16 Valve	148
2953	Toyota 7MGE	208	5167	Bedford 300 Petrol Sleeved	8	8066	Mitsubishi 6G72 V6 Belt Drive	149
2954	Toyota 5MGE DOHC	207	5800	Ford 302 Cleveland	52	8067	Holden 2.2L	19
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2958	Mitsubishi 4G93 DOHC & Turbo	148	8003	Toyota 4AFE DOHC 16 Valve	65,193	9090	Isuzu G161Z	10,56
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2961	Mazda KL V6 DOHC	36,122	8012	Nissan KA24E Circlip 12 Valve	40,162	9115	Holden 253 Performance/Hi Comp	78
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2966	Opel C20SE 10.0:1	176	8015	Mitsubishi 6G72 V6 Belt Drive	149	9302	Ford 302 Windsor Performance EFI	55
2967	Opel C20NE SOHC 9.2:1	176	8016	Nissan KA24E Circlip 12V	40,162	9350	Chevrolet 350	13
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2970	Honda B20A3	83	8020	Mazda F2 SOHC 8 Valve	116	9350	Chevrolet 350 Performance	13,82
2971	Honda B20A5	83,84	8020	Mazda F2 SOHC 12 Valve EFI	32,116	9351	Ford 351 Performance 5.778" Rod	52,54
2972	Honda D15B	84,85	8021	Mazda F2 SOHC 8 Valve	32,116	9351	Ford 351 Cleveland Performance	52,54
2973	Honda D16A6	84	8022	Nissan GA16DE 16 Valve DOHC	160	9352	Chevrolet 350	13
2974	Honda D16Z6	85	8024	Nissan KA24DE 16V DOHC	162	9352	Chevrolet 350 Performance	82
2976	Opel 2.0 XEV 16V	177a	8025	Toyota 3VZFE DOHC 24 Valve	67,217	9353	Chevrolet 350	14
2977	Honda B20A	83	8026	Mitsubishi 6G72 V6 Belt Drive	149	9353	Chevrolet 350 Perf Low Comp	14
2978	Opel X1.4E	177	8028	Mitsubishi 4G63 Sirius Unleaded	145	9353	Chevrolet 350 Perf Semi Finished	14,82
2979	Opel X16XE	177	8029	Mitsubishi 4G63 DOHC 16 Valve	146	9353	Chevrolet 350 Performance	14
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2985	Toyota 6AF	195	8036	Nissan VG30I SOHC V6	172	9380	Holden 3.8L V6 Perf/Hi Comp	77
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1781	Nissan TD42 Diesel	41,171	1831	Mazda JE DOHC V6	121	1883	Mitsubishi 4D55 Diesel	135
1784	Toyota 1HDT Diesel	200	1831	Mazda JE SOHC V6 18V EFI	121	1883	Mitsubishi 4D56 Diesel	136
1784	Toyota 1HZ Diesel	200	1832	Mitsubishi 4D31 Diesel	135	1884	Mitsubishi 4G92 1.6L 16V EFI	148
1785	Toyota 3L Diesel	205	1834	Nissan SR20DE	169	1884	Mitsubishi 4G93 DOHC & Turbo	148
1786	Suzuki F8A	186	1835	Suzuki G16A SOHC	189	1885	Subaru EJ220	184
1788	Mitsubishi 4G53	142	1835	Suzuki G16B 16V EFI SOHC	189	1886	Nissan L24	165
1789	Toyota 1C Turbo Diesel Belt	198	1836	Toyota 2A, 2ALC	191	1886	Nissan L24E EFI	165
1790	Mazda NA OHC	36,37,123	1837	Daihatsu HCE OHC	26	1892	Opel X14E	177
1790	Mazda VB OHC	127	1838	Toyota 3SGE DOHC	214	1893	Mitsubishi 4G63 SOHC Belt Drive	146
1791	Daihatsu CB OHC	24	1839	Toyota 5MGE DOHC	207	1894	Mitsubishi 6G74	150
1797	Mazda B3 1.3L 16 Valve	29,112	1839	Toyota 7MGE	208	1900	Toyota L	204,205
1797	Mazda B3 1.3L 8 Valve	112	1840	Mitsubishi 4G63 DOHC 16 Valve	146	1901	Opel X14E	177
1798	Toyota 3F	199	1840	Mitsubishi 4G63 DOHC Turbo 16V	147	1905	Mazda WL	128
1801	Isuzu 4XC1	60,105	1840	Mitsubishi 4G63 SOHC Belt Drive	146	1906	Opel 18XE	177a
1802	Hyundai G4AJ	94	1842	Toyota 12HT Turbo Diesel	201	1907	Toyota 1FZFE	218
1802	Hyundai G4DJ	95	1844	Holden 202 Performance/Hi Comp	74	1909	Mazda R2	124
1802	Hyundai GHY	94	1844	Holden 202 Performance/Hi Comp	75	1911	Isuzu 6VD1	107
1802	Mitsubishi 4G15 8 Valve Carb	138	1844	Holden 202 Red, Blue, Black	74	3088	Leyland 'B' series	131
1802	Mitsubishi 4G15 8 Valve MPI	138	1844	Holden 202 Unleaded Petrol	74	3170	Rover 2.25L	180
1802	Mitsubishi 4G15 SOHC 12 Valve	139	1845	Honda ER	89	3170	Rover 2.25L Diesel	181
1803	Mitsubishi 6G72 V6 Belt Drive	149	1846	Nissan EXA	157	3170	Rover 2.25L Petrol	180
1804	Honda EC OHC	86	1847	Honda A20A Carb & EFI	83	3190	Nissan P/P40	166
1804	Honda EF OHC	87	1848	Ford 351 Performance 6" Rod	54	3191	Toyota 3R	209
1804	Honda EG OHC	87	1848	Ford 302 Cleveland	52	3226	Chevrolet 230	11,12
1804	Honda EM OHC	88	1848	Ford 351	54	3236	Bedford 292 Petrol	8
1804	Honda EW2	90	1848	Ford 351 Cleveland Performance	54	3329	Chevrolet 153	11
1805	Toyota 4AFC DOHC 16 Valve	64,192	1848	Ford 351 Cleveland	5,61	3466	Ford 240	48
1805	Toyota 4AFE DOHC 16 Valve	65,193	1848	Holden 308 Red, Blue, Black	7,80	3466	Ford 300	52
1806	Toyota 4AGE DOHC	194	1848	Holden 4.9L	79	9095	Holden 3.8L V6	76,190
1807	Toyota 5SFE DOHC 16 Valve	67,215	1849	Nissan VG30E DOHC V6	172	9098	Chevrolet 302 V8	12
1808	Toyota 3E Turbo	198	1849	Nissan VG30E SOHC V6	171	9098	Chevrolet 327	13



Numerical Listing - Ring Sets

Base No.	Application	Page	Base No.	Application	Page	Base No.	Application	Page
9098	Chevrolet 350	13						
9098	Chevrolet 350 Perf Low Comp	13,82						
9098	Chevrolet 350 Perf Semi Finished	13,82						
9098	Chevrolet 350 Performance	13,82						
9098	Chrysler 360 V8	18						
9098	Ford 351 Performance 6" Rod	53,54						
9098	Ford 289 Windsor	51						
9098	Ford 302 Windsor EFI	55						
9098	Ford 302 Windsor Performance	53						
9098	Ford 351	53						
9099	Ford 116	43						
9099	Ford 2735	42						
9100	Holden 3.8L V6	76,190						
9101	Ford 3.2L EFI	50						
9101	Ford 3.9L EFI	50						
9102	Ford 4.0L ED	51						
9102	Ford 4.0L EF & EL	51						
9103	Ford 351 Performance 6" Rod	52,53						
9103	Ford 302 Cleveland	52						
9103	Ford 302 Windsor EFI	55						
9103	Ford 302 Windsor Performance	55						
9103	Ford 351 Windsor	53						
9106	Chevrolet 350	13						
9106	Chevrolet 350 Perf Low Comp	13,14						
9106	Chevrolet 350 Perf Semi Finished	13,14						
9106	Chevrolet 350 Performance	13,14,82						
9106	Ford 351 Performance 6" Rod	52,53,54						
9106	Ford 302 Cleveland Performance	52						
9106	Ford 302/351 Performance	53,55						
9106	Holden 308 Performance/Hi Comp	80						
9106	Holden 4.9L Performance	79						
9106	Holden 5.7L HSV Hi Comp	81						
9106	Holden 5.7L HSV STD Comp	81						
9110	Chevrolet 350	13						
9110	Chevrolet 350 Perf Low Comp	13,14,82						
9110	Chevrolet 350 Perf Semi Finished	13,14						
9110	Chevrolet 350 Performance	13,14,82						
9110	Ford 351 Performance 6" Rod	52,53,54						
9110	Ford 302 Cleveland Performance	52						
9110	Ford 302 Windsor EFI	55						
9110	Ford 302 Windsor Performance	53						
9110	Holden 308 Performance/Hi Comp	80						

Numerical Listing - Sleeves

Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
FSM3875	4.1228	3.8745	0.124	8.465	4.4070	N/A	N/A
FSV3740R-SF	99.0000	95.0000	2.000	191.850	104.5000	2.5000	1.2000
FSW4000	4.2510	4.0000	0.125	10.120	4.4775	0.1870	N/A
FSX3504	92.0300	89.0000	1.500	172.000	98.0000	5.0000	N/A
FSX3504-SF	92.1000	89.0000	1.500	172.000	97.9850	5.0000	N/A
FSX3583R-SF	95.0720	91.0000	2.036	184.000	100.7620	1.2500	2.5910
FSX3740R-SF	100.0000	95.0000	2.500	190.500	107.6000	2.5200	1.1000
FSX3780R-SF	100.0880	96.0000	2.044	180.000	104.7750	3.5150	N/A
FSY3268	87.0640	83.0000	2.000	176.000	92.9850	5.0950	N/A
FSY3268-SF	87.0760	83.0000	2.000	176.000	93.0000	5.0000	N/A
FSY3622-SF	96.0000	92.0000	2.000	178.000	101.0000	3.0000	1.0000
FSY3740	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
FSY3740-SF	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
FSY3780	99.0220	96.0000	1.510	164.000	104.9530	5.2000	N/A
FSY3780-SF	99.0200	96.0000	1.510	160.000	104.9530	5.1000	N/A
FSZ3500	96.9200	88.9000	3.980	167.000	100.9400	3.7750	0.6300
FSZ3500-SF	96.8400	88.9000	3.970	167.100	101.0000	3.8000	0.8000
FSZ3543	94.0790	90.0000	2.000	160.400	100.7150	3.5250	1.1400
FSZ3543-SF	94.0790	90.0000	2.000	160.400	100.7150	3.5250	1.1400
FSZ3583	95.0650	91.0000	2.000	183.500	100.8000	1.2000	2.5450
FSZ3587-SF	94.2000	91.1000	1.550	165.000	N/A	N/A	N/A
FSZ3616-SF	95.2850	91.8500	1.720	154.250	101.2000	N/A	N/A
FSZ3622	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
FSZ3622-SF	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
FSZ3625-SF	96.0880	92.0750	2.000	185.000	102.9400	N/A	N/A
FSZ3657	95.8850	89.0000	3.440	159.890	101.8540	5.0800	N/A
FSZ3657-SF	95.8850	89.0000	3.440	159.890	101.8540	5.0800	N/A
FSZ3740	102.0650	95.0000	3.500	190.000	107.5300	2.5750	1.0000
FSZ3740-SF	102.0530	95.0000	3.500	190.000	107.6000	2.5450	1.1000
FSZ3780	99.0220	96.0000	1.510	160.000	104.9530	5.1000	N/A
FSZ3858	102.0400	95.0000	3.520	186.600	107.6750	2.5350	1.2500
FSZ3858-SF	102.0400	95.0000	3.520	186.600	107.6750	2.5350	1.2500
FSZ3877	4.0630	3.8785	0.092	8.948	4.1885	0.1450	0.0460
FSZ4016-SF	106.0450	102.0000	2.020	184.000	111.6750	2.5250	1.2000
FSZ4062-SF	4.2545	4.0620	0.097	8.500	4.3700	0.1870	N/A
FSZ4221	4.3814	4.2250	0.078	9.432	4.4355	0.2150	0.0400
FSZ5039-SF	5.2407	5.0390	0.100	10.915	5.3480	0.1680	N/A
PSP3680-SF	3.8300	3.6800	0.075	6.190			
PSP3875-SF	4.0770	3.8750	0.101	9.010			
PSP4562-SF	4.7540	4.5620	0.096	9.270			
PSW3622-SF	96.0760	92.0000	2.038	179.000			
PSX3680-SF	3.8100	3.6800	0.065	6.190			
PSX4125-SF	108.8750	104.7750	2.050	218.440			
PSY4562-SF	122.2150	115.8750	3.170	241.300			
PSZ3386-SF	90.0000	86.0000	2.000	180.000			
PSZ3602-SF	3.8360	3.6020	0.117	8.510			
PSZ4062-SF	111.1750	103.1750	4.000	241.300			
PSZ4200-SF	110.8000	106.6800	2.060	209.550			
PSZ4221-SF	4.3770	4.2210	0.078	8.500			
PSZ4400-SF	4.5920	4.4000	0.096	8.200			
PSZ4562-SF	4.7540	4.5620	0.096	9.375			
RSA2719	87.0760	83.0000	2.000	176.000	92.9850	5.0950	N/A
RSA2719-SF	87.0000	83.0000	2.000	176.000	93.0000	5.0000	N/A
RSA2727	95.0650	91.0000	2.000	183.500	100.8000	2.5450	1.2000
RSA2727-SF	95.0720	91.0000	2.036	184.000	100.7620	2.5910	1.2500
RSA2732	94.0790	90.0000	2.000	160.400	100.7150	3.5250	1.1400
RSA2732-SF	94.0790	90.0000	2.000	160.400	100.7150	3.5250	1.1400
RSA2741	96.9200	88.9000	3.980	167.000	100.9400	3.7750	0.6300
RSA2741-SF	96.8400	88.9000	3.970	167.100	101.0000	3.8000	0.8000
RSA2810/1	102.0650	95.0000	3.500	190.000	107.5300	2.5750	1.0000

Measurements in bold are in inches.

All other measurements are in millimetres.

Numerical Listing - Sleeves

Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
RSA2810/1-SF	102.0530	95.0000	3.500	190.000	107.6000	2.5450	1.1000
RSA2810/2-SF	100.0000	95.0000	2.500	190.500	107.6000	2.5200	1.1000
RSA2810/3-SF	99.0000	95.0000	2.000	191.850	104.5000	2.5000	1.2000
RSA2811	102.0400	95.0000	3.520	186.600	107.6750	2.5350	1.2500
RSA2811-SF	102.0400	95.0000	3.520	186.600	107.6750	2.5350	1.2500
RSA2812-SF	106.0450	102.0000	2.020	184.000	111.6750	2.5250	1.2000
RSA2813-SF	96.0750	92.0000	2.038	179.000	N/A	N/A	N/A
RSA2814	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
RSA2814-SF	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
RSA2848-SF	90.0000	86.0000	2.000	180.000	N/A	N/A	N/A
RSA2849	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
RSA2849-SF	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
RSA2866-SF	96.0000	92.0000	2.000	178.000	101.0000	3.0000	1.0000
RSA2867	89.9700	88.0000	1.000	163.320	94.8900	0.8900	N/A
RSA2868	88.0080	86.0000	1.000	178.460	93.9800	0.9220	N/A
RSA2869	105.0300	102.0000	1.515	203.960	111.9400	1.4200	N/A
RSA2870	105.0300	102.0000	1.515	203.960	111.9400	1.4200	N/A
RSA2871	105.0300	102.0000	1.515	203.960	111.9400	1.4200	N/A
RSA2872	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
RSA2872-SF	98.5000	95.0000	1.750	191.100	103.5000	3.8000	0.8000
RSA2873	103.4700	100.0000	1.735	193.700	108.0000	2.5000	1.0000
RSA2874	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
RSA2874-SF	96.8880	92.0000	2.450	190.800	100.7150	3.8250	0.7400
RSA2876-SF	94.2000	91.1000	1.550	165.000	N/A	N/A	N/A
RSA2877-SF	94.2000	91.1000	1.550	165.000	N/A	N/A	N/A
RSA2878	92.0300	89.0000	1.500	172.000	98.0000	5.0000	N/A
RSA2878-SF	92.1000	89.0000	1.500	172.000	97.9850	5.0000	N/A
RSA2879	92.0300	89.0000	1.500	172.000	98.0000	5.0000	N/A
RSA2879-SF	92.1000	89.0000	1.500	172.000	97.9850	5.0000	N/A
RSA2880	95.8850	89.0000	3.440	159.890	101.8540	5.0800	N/A
RSA2880-SF	95.8850	89.0000	3.440	159.890	101.8540	5.0800	N/A
RSA2881-SF	99.0220	96.0000	1.510	160.000	104.9530	5.1000	N/A
RSA2881/1	99.0220	96.0000	1.510	160.000	104.9530	5.1000	N/A
RSA2881/2	99.0220	96.0000	1.510	164.000	104.9530	5.2000	N/A
RSA2884-SF	100.0880	96.0000	2.044	180.000	104.7750	3.5150	N/A
RSA2891	88.0110	86.0000	1.000	163.373	93.9800	0.9220	N/A
RSA2906	101.0400	98.0000	1.520	180.850	108.0000	1.4200	N/A
RSA2952	92.0300	89.0000	1.500	172.000	98.0000	5.0000	N/A
RSA2952-SF	92.1000	89.0000	1.500	172.000	97.9850	5.0000	N/A
RSA2957-SF	94.2000	91.1000	1.550	165.000	N/A	N/A	N/A
WSJ3500	3.6880	3.5000	0.094	7.305	3.9935	0.2240	N/A
WSX3425	3.6440	3.4250	0.115	6.750	4.1100	0.1250	N/A
2047A	2.1660	2.0470	0.072	4.817			
2480A	2.6083	2.4800	0.062	6.531			
2504A	2.6280	2.5000	0.062	7.000			
2504B	2.6905	2.5000	0.093	7.000			
2543A	2.6700	2.5420	0.062	5.281			
2561A	2.6870	2.5590	0.062	6.531			
2625A	2.7530	2.6250	0.062	7.250			
2543B	2.5420	2.7325	0.093	5.281			
2750A	2.8780	2.7500	0.062	7.281			
2750B	2.9405	2.7500	0.093	7.281			
2795A	2.9230	2.7950	0.062	7.250			
2795B	2.9855	2.7950	0.093	7.250			
2835A	2.9626	2.8340	0.062	6.500			
2875A	3.0030	2.8750	0.062	6.875			
2875B	3.0655	2.8750	0.093	6.875			
2952A	3.0807	2.9520	0.062	7.500			
2952B	3.1432	2.9520	0.093	7.500			

Numerical Listing - Sleeves

Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
3000A	3.1280	3.0000	0.062	8.125			
3000B	3.1905	3.0000	0.093	8.125			
3062A	3.1905	3.0620	0.062	6.875			
3062B	3.2530	3.0620	0.093	6.875			
3122A	3.2530	3.1250	0.062	8.125			
3122B	3.3155	3.1250	0.093	8.125			
3150A	3.2776	3.1490	0.062	9.000			
3150B	3.3401	3.1490	0.093	9.000			
3188A	3.3155	3.1870	0.062	7.687			
3188B	3.3780	3.1870	0.093	7.687			
3252A	3.3780	3.2500	0.062	8.125			
3252B	3.4405	3.2500	0.093	8.125			
3312A	3.4405	3.3120	0.062	9.000			
3312B	3.5030	3.3120	0.093	9.000			
3346A	3.4745	3.3460	0.062	8.062			
3346B	3.5370	3.3460	0.093	8.062			
3375A	3.5030	3.3750	0.062	8.125			
3375B	3.5655	3.3750	0.093	8.125			
3401B	3.5905	3.4000	0.093	8.125			
3431A	3.5655	3.4370	0.062	8.125			
3431B	3.6280	3.4370	0.093	8.125			
3500A	3.6280	3.5000	0.062	8.375			
3500B	3.6905	3.5000	0.093	8.375			
3562A	3.6905	3.5620	0.062	9.000			
3562B	3.7530	3.5620	0.093	9.000			
3623B	3.8155	3.6250	0.093	5.750			
3625A	3.7553	3.6250	0.062	9.687			
3625B	3.8155	3.6250	0.093	9.687			
3687A	3.8155	3.6870	0.062	8.625			
3687B	3.8780	3.6870	0.093	8.625			
3750A	3.8780	3.7500	0.062	9.875			
3750B	3.9405	3.7500	0.093	9.875			
3812A	3.9410	3.8120	0.062	8.750			
3812B	4.0035	3.8120	0.093	8.750			
3875A	4.0035	3.8750	0.062	9.000			
3875B	4.0660	3.8750	0.093	9.000			
3911A	4.0385	3.9100	0.062	6.000			
3911B	4.1010	3.9100	0.093	6.000			
3911BL	4.1010	3.9100	0.093	6.500			
3937B	4.1280	3.9370	0.093	10.000			
4001A	4.1285	4.0000	0.062	9.875			
4001B	4.1910	4.0000	0.093	9.875			
4004B	4.1910	4.0000	0.093	6.000			
4050B	4.2461	4.0550	0.093	6.250			
4125B	4.3160	4.1250	0.093	10.500			
4125C	4.3785	4.1250	0.125	10.500			
4250B	4.4410	4.2500	0.093	11.750			
4250C	4.5035	4.2500	0.125	11.750			
4500B	4.6910	4.5000	0.093	11.500			
4500C	4.7535	4.5000	0.125	11.500			

Numerical Listing - Pistons By Bore Size

Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB
61.47	2712	0.945	2.200	1.000	78.00	8041	31.400	62.100	24.000	84.53	2832	30.000	57.500	24.000
62.02	2863	27.100	57.100	25.500	78.00	2842	31.600	63.000	24.800	84.80	2935	39.700	71.700	29.300
62.95	2259	1.325	2.574	0.812	78.00	8042	32.000	62.700	24.000	84.82	2855	33.650	53.650	24.500
64.59	2717	1.172	2.269	0.937	78.00	8043	32.000	62.700	24.000	85.00	8057	30.600	65.000	27.000
64.59	2714	1.176	2.273	0.937	78.00	8044	32.000	62.700	24.000	85.00	2834	31.600	67.000	26.000
64.59	2715	1.322	2.568	1.000	78.00	2902	32.500	63.000	24.000	85.00	2803	34.900	72.000	33.500
65.53	2784	24.500	55.000	25.500	78.00	2647	38.070	75.035	33.500	85.00	8029	34.900	64.600	32.500
70.00	2671	26.500	59.220	25.000	78.00	2296	38.400	77.500	30.500	85.00	2893	35.000	72.400	32.500
70.62	2272	1.474	2.726	1.000	78.00	2706	38.450	78.130	33.300	85.00	8028	35.100	64.800	32.500
71.00	2890	28.800	60.000	25.000	79.39	2663	1.778	3.058	1.200	85.00	8051	35.100	64.800	32.500
72.00	2667	26.500	59.250	25.000	80.00	2527	1.296	2.790	1.130	85.00	2735	35.200	82.500	30.800
72.00	2839	27.100	65.000	24.200	80.00	2938	31.900	57.100	26.700	85.00	2656	38.100	78.200	26.000
73.00	2562	32.400	67.400	25.500	80.00	2686	32.500	70.380	30.000	85.00	2764	38.100	78.200	26.000
73.00	2563	1.268	2.644	1.060	80.00	2626	35.580	72.640	33.500	85.00	2599	39.000	84.750	30.600
73.00	2708	30.900	64.330	25.400	80.00	2937	36.100	73.100	31.000	85.74	2547	1.793	3.385	1.380
73.00	2595	36.520	68.600	31.000	80.00	2736	36.200	73.300	31.500	85.74	2654	52.680	93.690	27.000
73.00	2724	33.200	70.200	26.000	80.00	2745	40.000	72.000	29.500	85.78	2028	1.780	3.190	1.125
74.00	2668	27.100	57.100	25.000	80.26	2711	1.641	2.553	1.310	86.00	2860	30.400	50.400	24.500
74.00	2781	27.700	62.700	24.800	80.26	2709	1.657	2.570	1.130	86.00	2966	30.400	55.400	24.500
74.00	2934	28.100	55.000	25.500	80.27	2694	1.639	2.551	1.310	86.00	2967	30.400	55.400	24.500
74.00	2929	28.900	55.800	25.500	80.51	2843	33.000	68.000	30.500	86.00	2968	30.400	55.400	24.500
74.00	2940	29.700	59.700	20.700	80.51	2892	35.600	68.900	28.000	86.00	2927	32.000	63.000	25.000
74.69	2804	28.980	61.976	25.700	80.51	2541	39.000	80.000	30.000	86.00	9301	32.100	64.000	24.000
75.00	2928	28.100	58.000	25.700	80.60	2945	33.500	68.500	0.000	86.00	2799	32.500	64.000	24.000
75.00	2962	28.550	55.350	26.400	80.60	2942	34.800	71.900	32.750	86.00	2824	33.700	71.100	30.300
75.00	2509	35.480	74.480	28.600	80.90	2748	34.900	72.000	33.500	86.00	2737	33.900	67.000	30.000
75.50	8038	28.600	57.600	25.000	80.94	2766	37.700	69.700	30.000	86.00	2819	34.400	70.000	30.500
75.50	8040	28.600	57.600	25.000	80.98	2197	1.512	3.025	1.170	86.00	2818	34.700	69.900	30.500
75.50	2932	29.000	58.000	27.000	81.00	2530	1.720	3.248	0.940	86.00	8032	34.800	68.000	28.600
75.50	8039	29.100	58.100	25.000	81.00	2537	1.720	3.248	29.800	86.00	2851	35.000	65.000	28.600
76.00	2930	20.300	60.500	26.250	81.00	8058	30.200	55.200	24.500	86.00	8021	35.900	69.000	28.200
76.00	2896	28.000	60.000	0.000	81.00	8059	30.200	55.200	24.500	86.00	8020	36.400	66.500	28.200
76.00	2918	28.400	60.000	25.000	81.00	8003	30.400	58.000	24.000	86.00	2700	37.600	78.200	26.000
76.00	8022	29.100	54.000	23.500	81.00	8007	30.400	62.000	24.000	86.00	2848	47.300	86.300	30.000
76.00	2887	29.500	54.000	23.500	81.00	8011	30.400	64.500	24.000	86.00	2868	51.562	95.550	
76.00	2831	30.000	65.000	25.500	81.00	8018	30.400	64.500	24.000	86.00	2891	52.000	95.500	
76.00	2720	32.500	62.500	24.000	81.00	8019	30.400	61.000	24.500	86.36	2643	1.741	3.490	1.360
76.00	2721	32.500	62.500	24.000	81.00	2958	30.800	59.800	25.000	86.50	8061	34.600		
76.00	8037	32.500	62.500	24.000	81.00	2808	34.000	75.700	30.200	86.50	8065	34.600		
76.00	8054	32.500	62.500	24.000	81.56	2155	1.828	3.228	1.100	86.50	8062	35.100		
76.00	8055	33.000	61.000	24.000	82.00	2586	36.550	79.400	33.500	86.50	8063	35.100		
76.00	2949	33.500	64.800	24.500	82.58	2085	1.780	3.130	1.120	86.50	2917	35.500	72.400	
76.00	2931	60.500	60.500	26.300	82.70	8056	29.500	58.500	26.000	87.00	8034	31.600	63.800	24.000
76.20	2806	35.740	59.310	24.130	82.99	2719	48.000	96.000	33.500	87.00	8035	31.600	63.800	24.000
76.91	2705	33.000	70.000	27.000	83.00	2943	29.900	54.000	19.500	87.00	8036	31.600	63.800	24.000
76.91	2572	33.600	70.500	27.000	83.00	8046	30.200	60.500	24.500	87.00	2820	31.900	67.000	24.000
77.00	2772	27.500	62.500	24.500	83.00	8047	30.200	60.500	24.500	87.00	8001	32.400	58.400	28.200
77.00	8053	28.200	58.000	24.000	83.00	2953	32.500	71.000	27.400	87.00	2959	35.500	71.800	26.200
77.00	2738	28.600	61.000	26.500	83.00	2733	32.600	70.600	28.500	87.00	2743	36.500	79.500	31.000
77.00	8048	28.600	59.300	24.000	83.00	2954	32.700	72.200	28.400	87.21	2298	1.599	3.326	1.380
77.00	8049	28.600	59.300	24.000	83.00	2960	38.000	65.000	25.000	87.50	8013	32.200	62.200	25.500
77.00	8050	28.600	59.300	24.000	83.03	2517	38.100	78.200	26.000	87.50	8014	33.900	62.600	25.600
77.00	2739	29.000	61.000	25.500	84.00	2734	33.000	69.900	30.800	87.50	8025	33.900	63.900	25.600
77.00	2740	29.000	61.000	26.500	84.00	2859	36.700	78.700	30.900	87.65	2807	41.100	73.100	30.000
77.00	2699	30.580	62.480	25.400	84.00	2787	37.000	80.000	30.150	88.00	2904	37.000	78.000	
77.50	8052	30.700	60.500	24.000	84.00	2731	38.900	85.400	32.000	88.00	2534	39.000	85.000	34.000
77.80	2075	1.776	3.058	1.187	84.00	2744	44.700	74.800	30.500	88.00	2923	47.600	82.600	
77.80	2553	1.845	3.095	1.215	84.06	2691	39.820	78.800	34.500	88.00	2867	48.000	82.750	
77.95	2515	1.546	3.036	1.050	84.50	2961	29.150	55.850	24.500	88.00	2728	52.300	102.300	34.500

Numerical Listing - Pistons By Bore Size

Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB
88.50	2769	39.000	88.700	31.500	92.13	4200	1.686	3.046		101.63	5004	1.693	2.953	1.260
88.50	2555	39.600	84.800	32.500	92.13	4201	1.686	3.046	1.120	101.63	4901	1.719	2.978	1.260
88.89	2603	1.811	2.795	1.340	92.13	3000	1.780	3.140	1.120	101.63	9490	1.719	2.980	1.260
88.91	2652	1.565	3.387	1.200	92.13	3001	1.780	3.140	1.120	101.63	9104	1.720	3.170	1.120
88.92	2741	50.750	94.600	34.300	92.13	2765	41.400	95.570	31.300	101.65	2284	1.585	3.457	1.180
88.93	2579	1.873	2.916	1.250	92.27	4001	35.380	65.300	28.400	101.65	2673	1.585	3.185	1.160
88.94	2505	1.785	3.195	1.120	92.28	2864	35.300	65.380	28.400	101.65	9089	1.650	3.252	1.160
89.00	2861	33.800	70.000	24.000	92.28	2864	35.380	65.380	28.400	101.65	2623	1.745	3.425	1.275
89.00	8012	33.850	65.700	27.000	92.60	8031	36.400	70.700	27.000	101.65	9351	1.650	2.909	1.260
89.00	8016	33.850	65.700	27.000	92.90	2880	50.300	87.000	36.000	102.00	2948	51.700	86.900	
89.00	8024	33.850	65.700	27.000	93.00	2922	51.900	92.000		102.00	2955	55.250	101.250	
89.00	8033	33.850	68.300	27.000	93.01	2580	44.520	86.650	30.500	102.00	2870	58.750	104.200	
89.00	2878	48.000	90.000		93.47	4100	1.530	2.953	1.181	102.00	2871	58.750	104.200	
89.00	2879	48.000	90.000		93.47	4101	1.530	2.953	1.181	102.00	2869	62.700	112.300	
89.00	2952	48.000	80.000	35.000	93.47	4102	1.530	2.953	1.181	102.00	2910	63.400	104.400	
89.30	8030	33.850	73.200	28.200	93.47	9113	1.530	2.953	1.181	102.04	2812	52.200	101.200	
89.30	2905	38.900	81.000	30.500	93.71	2032	2.160	3.910	1.500					
90.00	2638	47.000	95.000	30.000	94.00	2822	37.200	79.200	31.700					
90.00	2732	52.200	99.200	34.500	94.00	2822	37.400	79.600	31.700					
90.44	2030	2.322	4.019	1.500	94.00	2939	43.600	80.600	30.000					
90.50	2087	1.780	3.160	1.120	94.00	2648	47.170	94.880	30.800					
90.51	2151	2.277	3.922	1.468	94.16	9080	1.645	3.005	1.120					
90.81	2526	41.120	79.130	30.000	94.16	9079	1.758	3.116	1.120					
91.00	2858	34.600	65.000	31.000	95.00	2946	35.200	58.100	28.800					
91.00	2727	52.100	102.200	34.200	95.00	2950	35.500	67.500	29.000					
91.00	2947	56.300	91.300		95.00	2810	52.300	101.300	36.000					
91.10	8026	31.900	65.800	25.000	95.00	2872	53.500	100.500						
91.10	8015	33.900	66.000	25.600	95.00	2849	58.500	115.500	36.500					
91.10	2725	35.000	77.000	34.500	95.53	2502	1.690	3.389	1.210					
91.10	2876	48.700	88.700		96.00	2862	40.500	80.000	28.000					
91.10	2877	48.700	88.700		96.00	2884	43.300	80.300	40.500					
91.10	2957	48.700	88.750		96.00	2881	50.300	87.100	36.300					
91.14	2844	36.000	71.000	32.000	96.52	3802	1.087	2.091	0.984					
91.14	2889	36.000	70.600	32.000	96.52	3800	1.398	2.579	0.961					
91.14	2889	36.000	71.000	32.000	96.52	3801	1.449	2.630	0.980					
91.14	2933	36.500	71.500	32.000	96.89	2033	2.042	3.792	1.500					
91.89	2809	34.950	76.000	30.500	96.90	2964	33.250	68.000						
91.89	2809	35.000	82.040	30.500	98.00	2906	62.500	112.300						
92.00	2666	26.500	59.230	25.000	98.03	2811	52.200	101.200	35.000					
92.00	8000	34.500	63.800	30.000	98.43	5167	2.764	4.607	1.563					
92.00	8000	34.500	63.400	30.000	98.44	2581	1.670	3.357	1.440					
92.00	2795	35.000	64.000	30.000	98.44	2552	1.935	3.437	1.250					
92.00	8064	35.800	71.800	28.000	99.33	2582	1.670	3.357	1.440					
92.00	2836	38.900	92.500	31.200	99.34	2504	1.690	3.389	1.210					
92.00	2813	49.200	86.250	32.000	100.00	2873	58.000	105.000						
92.00	2866	50.500	95.000	33.000	100.00	2926	60.650	110.650						
92.00	2919	50.500	95.000		101.60	9352	1.549	2.809	1.260					
92.00	2852	52.500	99.500	39.500	101.60	9350	1.559	2.819	1.260					
92.00	2814	60.200	115.700		101.60	9353	1.559	2.819	1.260					
92.00	2874	60.300	103.300	32.000	101.60	9094	1.604	3.203	1.160					
92.08	2956	41.500	80.000	31.500	101.61	2682	1.540	2.800						
92.12	3301	1.660	3.020	1.120	101.61	2683	1.654	3.254	1.160					
92.12	3302	1.667	3.028	1.114	101.63	9356	1.408	2.667	1.260					
92.12	3302	1.668	76.500	1.114	101.63	9570	1.508	2.768	1.260					
92.12	9096	1.680	2.930	1.120	101.63	9571	1.508	2.760	1.260					
92.12	9118	1.680	2.930	1.120	101.63	5800	1.630	2.889	1.260					
92.12	9115	1.686	3.126	1.120	101.63	5003	1.690	3.170	1.120					
92.12	9119	1.686	3.046	1.120	101.63	9105	1.690	3.170	1.120					
92.13	9083	1.660	3.020	1.120	101.63	9500	1.692	2.950	1.260					

DBB is distance between bosses.

Measurements in bold are in inches.

All other measurements are in millimetres.

Numerical Listing - Ring Sets By Bore Size

Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width	Width	
50.00	1632	1	1.780	1.780				76.00	1859	4	1.500	1.500	3.000		
57.15	263	6	0.093	0.093	0.187			76.00	1644	4	1.500	1.500	4.000		
58.00	1118	4	0.078	0.078	0.126			76.00	1537	4	1.500	2.000	4.000		
61.50	1605	1	0.093	0.093				76.00	1645	4	2.000	2.000	4.000		
62.00	1778	3	1.500	1.500	2.800			76.00	1836	4	2.000	2.000	4.000		
62.00	1786	4	1.500	1.500	2.800			76.20	1359	6	0.062	0.062	0.156		
62.92	981	4	0.070	0.070	0.070	0.126		76.20	1358	4	0.062	0.062	0.156		
62.93	1217	4	0.070	0.070	0.156			76.20	1273	4	0.078	0.078	0.187		
63.50	1888	1	0.062	0.062	0.125			76.50	1760	4	2.000	2.500	4.000		
64.57	1145	4	0.062	0.062	0.125			76.90	1430	4	2.000	2.000	4.000		
64.57	1259	4	0.062	0.078	0.156			76.90	1603	4	2.000	2.000	4.000		
65.50	1678	4	1.500	1.500	2.800			77.00	1801	4	1.200	1.200	2.800		
66.00	1845	4	1.500	1.500	4.000			77.00	1656	4	1.200	1.500	4.000		
68.00	1333	4	2.000	2.000	4.000			77.00	1675	4	1.500	1.500	4.000		
68.00	1412	4	2.000	2.000	4.500			77.00	1657	4	1.500	2.000	4.000		
68.50	1664	3	1.500	1.500	2.800			77.00	1679	4	1.500	2.800			
69.50	1693	4	1.500	1.500	4.000			77.00	1402	4	1.750	2.000	4.000		
70.00	3324	4	0.078	0.078	0.126			77.00	1239	4	2.000	2.000	4.000		
70.00	1506	4	1.500	1.500	2.800			77.00	894	4	0.098	0.078	0.156		
70.00	1352	4	2.000	2.000	4.000			77.50	1673	4	1.500	1.500	2.800		
70.61	1553	4	0.047	0.047	0.047	0.156		77.50	1673	4	1.500	1.500	2.800		
70.61	1251	4	0.062	0.062	0.062	0.156		77.60	1892	4	1.500	1.500	3.000		
71.00	1797	4	1.200	1.500	3.000			77.79	1089	6	0.070	0.070	0.156		
71.93	1505	4	1.750	2.000	4.000			77.79	1253	4	0.078	0.078	0.187		
72.00	1566	4	1.500	1.500	2.800			77.79	993	6	0.093	0.093	0.187		
72.00	1676	4	1.500	1.500	4.000			78.00	1604	4	1.200	1.500	4.000		
73.00	1808	4	1.500	1.500	3.000			78.00	1863	4	1.500	1.500	2.800		
73.00	1589	4	1.500	1.500	4.000			78.00	1821	4	1.500	1.500	3.000		
73.00	1589	4	1.500	1.500	4.000			78.00	1362	4	1.500	1.500	4.000		
73.00	1363	4	2.000	2.000	4.000			78.00	1729	4	1.500	1.500	4.000		
73.00	1112	4	2.000	2.000	4.000			78.00	1362	4	1.500	1.500	4.000		
73.00	1335	4	2.000	2.000	4.000			78.00	1790	4	1.500	2.000	4.000		
73.03	1361	4	0.078	0.078	0.156			78.00	1429	4	2.000	2.000	4.000		
73.65	1408	4	0.062	0.062	0.156			78.00	1249	4	2.000	2.000	4.000		
74.00	1764	3	1.200	1.500	2.800			78.00	1194	4	0.078	0.098	0.156		
74.00	1770	4	1.200	1.500	2.800			79.00	1526	4	2.000	2.000	5.000		
74.00	1804	4	1.500	1.500	2.800			79.38	1369	6	0.078	0.078	0.187		
74.00	1674	4	1.500	1.500	4.000			79.50	1531	4	2.000	2.500	5.000		
74.00	1565	4	1.500	1.500	4.000			79.50	1800	4	0.068	0.078	0.156		
74.50	1371	4	2.000	2.000	4.000			80.00	3417	4	0.059	0.078	0.156		
74.68	1705	6	0.078	0.078	0.156			80.00	1599	4	1.200	1.500	4.000		
74.70	1353	6	0.062	0.066	0.156			80.00	1811	4	1.500	1.500	3.000		
75.00	1870	4	1.000	1.200	2.800			80.00	1707	4	1.500	1.500	4.000		
75.00	1835	4	1.200	1.500	2.800			80.00	1707	4	1.500	1.500	4.000		
75.00	1835	4	1.200	1.500	2.800			80.00	1377	4	1.500	1.750	4.000		
75.00	1891	4	1.200	1.500	4.000			80.00	1663	4	1.500	1.750	4.000		
75.00	1843	4	1.500	1.500	4.000			80.00	1655	4	1.500	2.000	4.000		
75.00	1246	6	2.000	2.000	4.000			80.00	1716	4	1.570	2.000	4.000		
75.00	1247	4	2.000	2.000	4.000			80.00	1370	6	2.000	2.000	2.000	4.000	
75.00	1539	4	2.000	2.000	4.000			80.00	1476	4	2.000	2.000	4.000		
75.00	1414	4	2.500	2.500	4.000			80.25	3088	4	0.062	0.062	0.062	0.156	
75.50	1829	4	1.200	1.500	3.000			80.25	1432	4	0.062	0.062	0.156		
75.50	1802	4	1.500	1.500	4.000			80.50	1736	4	1.500	1.500	4.000		
76.00	1869	4	1.200	1.500	2.800			80.50	1554	4	2.000	2.000	4.000		
76.00	1837	4	1.200	1.500	3.000			80.60	1810	4	1.500	1.500	4.000		
76.00	1672	4	1.200	2.000	4.000			80.60	1667	4	2.000	2.000	4.000		
76.00	1791	3	1.500	1.500	2.800			80.95	1462	4	0.078	0.078	0.187		
76.00	1823	4	1.500	1.500	3.000			80.98	1541	4	0.062	0.078	0.156		
76.00	1833	4	1.500	1.500	3.000			80.98	1540	4	0.078	0.078	0.156		

Numerical Listing - Ring Sets By Bore Size

Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width		
81.00	1884	4	1.200	1.200	2.800			85.73	1011	6	0.093	0.093	0.187		
81.00	1865	4	1.200	1.500	2.800			86.00	1838	4	1.200	1.500	4.000		
81.00	1860	4	1.200	1.500	3.000			86.00	1686	6	1.500	1.500	2.800		
81.00	1741	4	1.500	1.500	2.800			86.00	1735	4	1.500	1.500	3.000		
81.00	1805	4	1.500	1.500	3.000			86.00	1834	4	1.500	1.500	3.000		
81.00	1719	4	1.500	1.500	4.000			86.00	1660	4	1.500	1.500	4.000		
81.00	9099	4	0.062	0.078	0.156			86.00	1742	4	1.500	1.500	4.000		
81.10	1684	4	1.500	1.500	4.000			86.00	1714	4	1.500	1.500	4.000		
81.54	1097	4	0.078	0.078	0.156			86.00	1616	6	1.500	2.000	4.000		
82.00	1257	6	0.059	0.098	0.197			86.00	1887	4	1.750	2.000	3.000		
82.00	1465	4	2.000	2.000	4.000			86.00	1730	6	2.000	2.000	4.000		
82.55	1114	6	0.078	0.078	0.187			86.00	1733	4	2.000	2.000	4.000		
82.70	1847	4	1.500	1.500	4.000			86.00	1601	6	2.000	2.000	4.000		
83.00	366	6	0.078	0.078	0.156			86.00	1334	4	2.000	2.500	4.000		
83.00	1857	4	1.200	1.500	3.000			86.36	1071	6	0.078	0.078	0.187		
83.00	1846	4	1.500	1.500	2.800			86.50	1879	4	1.200	1.500	2.800		
83.00	1850	4	1.500	1.500	3.000			86.50	1880	4	1.200	1.500	3.000		
83.00	1839	6	1.500	1.500	4.000			86.50	1813	4	1.500	1.500	4.000		
83.00	1839	6	1.500	1.500	4.000			86.50	1543	6	2.000	2.500	4.000		
83.00	1886	6	1.500	1.500	4.000			87.00	1876	6	1.200	1.200	4.000		
83.00	1871	4	1.500	2.000	4.000			87.00	1849	6	1.500	1.500	2.800		
83.00	1242	4	2.000	2.000	4.000			87.00	1807	4	1.500	1.500	4.000		
83.00	1263	4	2.000	2.000	4.000			87.00	1715	4	1.500	1.500	4.000		
83.00	1431	6	2.000	2.000	4.000			87.00	1726	4	1.500	1.500	4.000		
83.00	1612	2	2.500	2.000	2.000	4.500	4.500	87.00	1661	4	2.000	2.000	4.000		
83.00	1538	2	2.500	2.000	2.000	4.500	4.500	87.00	1720	1	0.078	0.078	0.187	0.186	
83.00	1826	6	2.500	2.000	4.000			87.20	1459	4	2.000	2.500	4.000		
83.00	1734	2	2.500	2.000	4.000			87.20	1337	6	2.000	2.500	4.000		
83.86	1600	4	1.500	1.500	4.000			87.50	1814	6	1.500	1.500	3.000		
84.00	1653	4	1.500	1.500	4.000			87.50	1889	4	1.500	1.500	4.000		
84.00	1653	4	1.500	1.500	4.000			87.50	1815	6	1.500	1.500	4.000		
84.00	1520	4	1.500	1.750	4.500			87.65	1388	4	0.078	0.098	0.156		
84.00	1518	4	1.500	2.000	4.000			88.00	1654	4	1.500	1.500	4.000		
84.00	1649	4	1.500	2.000	4.000			88.00	1830	4	1.500	1.500	4.000		
84.00	1651	4	1.500	2.000	4.000			88.00	1654	4	1.500	1.500	4.000		
84.00	1570	4	2.000	2.000	4.000			88.00	1529	4	1.500	2.000	4.000		
84.00	1575	4	2.000	2.000	4.000			88.00	1464	4	2.000	2.000	2.000	4.000	4.000
84.00	1109	4	2.000	2.000	4.500			88.00	1788	4	2.000	2.000	4.000		
84.00	1662	4	2.500	2.000	4.000			88.00	1789	4	2.000	2.000	4.000		
84.50	1687	4	1.500	1.500	2.800			88.00	1434	4	2.000	2.000	4.000		
84.50	1868	6	1.500	1.500	3.000			88.00	1298	4	2.000	2.500	4.000		
84.50	1685	4	1.500	1.500	4.000			88.00	1758	4	2.500	2.000	4.000		
84.80	1731	4	1.500	1.500	3.000			88.00	1828	4	2.500	2.000	4.000		
84.80	1680	4	1.500	1.750	4.000			88.00	1753	6	2.500	2.500	2.500	4.000	4.000
85.00	1864	4	1.200	1.200	2.800			88.00	1752	6	2.500	2.500	2.500	4.000	4.000
85.00	1840	4	1.200	1.500	3.000			88.00	1648	6	2.500	2.500	4.000		
85.00	1615	4	1.500	1.500	4.000			88.00	3191	4	2.500	2.500	5.000		
85.00	1149	4	2.000	2.000	4.000			88.50	1446	4	2.000	2.500	4.000		
85.00	1149	4	2.000	2.000	4.000			88.90	1747	8	0.062	0.062	0.187		
85.00	1694	4	2.000	2.000	4.000			88.90	1354	6	0.078	0.078	0.187		
85.00	1149	4	2.000	2.000	4.000			88.90	1445	8	0.078	0.078	0.187		
85.00	1149	4	2.000	2.000	4.000			88.90	1643	2	0.078	0.078	0.187		
85.00	374	4	2.000	2.000	4.750			88.90	1032	6	0.078	0.078	0.187		
85.00	3305	2	2.500	2.500	5.000			88.90	1479	8	0.078	0.078	0.187		
85.50	1241	4	2.000	2.000	5.000			88.90	1204	4	0.093	0.093	0.093	0.187	0.187
85.70	1410	4	2.000	2.000	4.750			88.90	1743	4	0.093	0.093	0.187		
85.70	3190	6	2.500	2.500	4.750			88.90	1409	4	2.000	2.000	4.750		
85.70	1590	6	2.500	2.500	4.750			88.90	1545	2	2.360	2.360	2.360	4.750	4.750
85.73	1210	6	0.078	0.078	0.187			88.90	1658	4	2.360	2.360	4.750		

Measurements in bold are in inches. All other measurements are in millimetres.

Numerical Listing - Ring Sets By Bore Size

Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width	Width	
88.94	1576	4	0.078	0.078	0.187			94.00	1784	6	2.000	2.000	4.000		
89.00	1809	4	1.500	1.500	2.800			94.00	1822	6	2.000	2.000	4.000		
89.00	1749	4	2.000	1.500	4.000			94.00	1546	6	2.000	2.500	4.000		
89.00	1756	4	2.500	2.000	4.500			95.00	1861	4	1.750	1.500	4.000		
89.30	1817	4	1.500	1.500	4.000			95.00	1650	4	2.500	2.500	2.500	4.500	
89.41	1325	6	0.078	0.078	0.187			95.00	1712	4	2.500	2.500	4.500		
90.00	1831	6	1.500	1.500	4.000			95.03	1737	4	2.400	2.400	4.800		
90.00	1652	4	2.000	2.000	4.000			95.50	1296	6	0.078	0.078	0.187		
90.00	1435	4	2.000	2.000	5.000			96.00	1785	4	2.000	2.000	4.000		
90.00	1542	6	2.000	2.500	4.000	4.000		96.00	1780	4	2.500	2.000	4.000		
90.00	1751	4	2.500	2.000	4.000			96.00	1781	6	2.500	2.000	4.000		
90.00	3239	6	3.000	3.000	4.000	4.000		96.50	1727	6	1.500	1.500	3.000		
90.00	1556	6	3.000	3.000	4.000	4.000		96.52	1812	6	0.047	0.059	0.118		
90.49	1040	4	0.070	0.070	0.187			96.52	9100	6	1.500	1.500	3.000		
90.49	1113	6	0.078	0.078	0.187			96.52	9095	6	1.500	1.500	4.000		
90.49	3170	4	0.093	0.093	0.093	0.187	0.187	96.90	1885	4	1.200	1.500	3.000		
90.80	1355	4	2.000	2.500	4.000			97.54	1692	4	0.078	0.078	0.187		
91.00	1744	4	1.500	1.500	4.000			98.43	1890	4	0.059	0.059	0.156		
91.00	1754	6	2.500	2.500	2.000	4.000		98.43	1297	8	0.078	0.078	0.187		
91.00	1647	6	2.500	2.500	4.000			98.43	3329	4	0.078	0.078	0.187		
91.00	1842	6	2.500	2.500	4.000			98.43	3226	6	0.078	0.078	0.187		
91.10	1803	6	1.200	1.500	3.000			98.43	1451	8	0.093	0.078	0.078	0.187	
91.10	1816	6	1.500	1.500	4.000			98.43	3236	6	0.093	0.093	0.187		
91.10	1588	4	2.000	2.000	4.000			98.43	1147	8	0.093	0.093	0.187		
91.10	1883	4	2.000	2.000	4.000			98.43	1487	6	0.093	0.093	0.187	0.186	
91.10	1776	4	2.500	2.000	4.000			98.49	1579	2	0.093	0.093	0.093	0.249	0.249
91.10	1777	4	2.500	2.000	4.000			99.31	1148	8	0.078	0.078	0.187		
91.85	1717	6	1.500	1.500	4.000			99.31	1340	6	0.078	0.078	0.187		
92.00	9101	6	0.059	0.059	0.156			99.31	1321	8	0.078	0.078	0.187		
92.00	1761	4	1.200	1.500	4.000			100.00	1757	4	3.000	2.000	4.500		
92.00	1713	4	1.500	1.500	4.000			100.00	1832	4	3.000	2.000	5.000		
92.00	1824	4	1.500	1.500	4.000			100.00	1775	4	3.000	2.000	5.000		
92.00	1563	4	2.000	2.000	4.000			101.60	9110	8	0.059	0.059	0.156		
92.00	1710	4	2.000	2.000	4.000			101.60	1862	8	0.059	0.059	0.156		
92.00	1671	4	2.000	2.500	4.000			101.60	9106	8	0.059	0.059	0.156		
92.00	1609	2	2.360	2.360	2.360	4.750	4.750	101.60	9103	8	0.062	0.062	0.187		
92.00	1774	6	2.400	2.400	4.800			101.60	9098	8	0.078	0.078	0.187		
92.00	1746	4	2.500	2.000	2.000	4.500		101.60	1561	8	0.078	0.078	0.187		
92.00	1759	4	2.500	2.000	4.000			101.60	1478	8	0.078	0.078	0.187		
92.00	1765	6	2.500	2.000	4.500			101.60	3466	6	0.078	0.078	0.187		
92.08	9114	6	0.059	0.059	0.156			101.60	1313	4	0.093	0.093	0.093	0.250	
92.08	9116	8	0.059	0.059	0.156			101.65	1848	8	0.059	0.059	0.156		
92.08	9112	8	0.059	0.059	0.156			102.00	1877	4	2.500	2.000	4.000		
92.08	1286	8	0.078	0.078	0.187			102.00	1709	4	2.500	2.500	4.500		
92.08	1728	6	0.078	0.078	0.187			102.00	1820	4	2.500	2.500	4.500		
92.08	1357	6	0.078	0.078	0.187			102.00	1709	4	2.500	2.500	4.500		
92.15	1844	6	0.059	0.059	0.156			102.00	1769	6	3.000	2.500	5.000		
92.30	1762	6	1.500	1.500	3.000			102.00	1768	4	3.000	2.500	5.000		
92.35	9102	6	1.500	1.500	3.000			103.19	1486	6	0.093	0.093	0.093	0.187	0.186
92.60	1818	4	1.500	1.500	4.000			103.19	1485	6	0.093	0.093	0.186	0.186	
92.90	1779	4	2.500	2.000	4.000			104.78	1512	2	0.093	0.093	0.093	0.187	
93.00	1500	4	2.000	2.000	5.000			105.00	3216	6	3.000	3.000	3.000	4.750	5.000
93.47	1666	6	0.059	0.059	0.156			107.21	1585	2	0.093	0.093	0.093	0.186	
93.47	1166	6	0.078	0.078	0.187			107.21	1509	6	0.137	0.137	0.249	0.249	
93.47	9121	6	1.500	1.500	4.000			111.76	1290	1	0.093	0.093	0.093	0.186	
93.66	1235	4	0.078	0.078	0.187										
93.66	1234	4	0.078	0.078	0.187										
93.66	992	6	0.093	0.124	0.187										
94.00	1798	6	1.500	1.500	4.000										

Numerical Listing - Ring Sets By Bore & Ring Depth

Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring		Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring	
			Width	Radial Depth	Width	Radial Depth	Width	Groove Depth				Width	Radial Depth	Width	Radial Depth	Width	Groove Depth
1011	6	3.375	0.093	0.140	0.093	0.140	0.187	0.180	1370	6	80.000	2.000	3.810	2.000	3.810	4.000	4.110
1032	6	3.500	0.078	0.165	0.078	0.165	0.187	0.195									
1040	4	3.563	0.070	0.145	0.070	0.145	0.187	0.160	1371	4	74.500	2.000	3.050	2.000	3.050	4.000	4.060
1071	6	3.400	0.078	0.160	0.078	0.160	0.187	0.195	1377	4	80.000	1.500	3.560	1.750	3.680	4.000	4.190
1089	6	3.063	0.070	0.125	0.070	0.125	0.156	0.142	1388	4	3.451	0.078	0.145	0.098	0.150	0.156	0.195
1097	4	3.210	0.078	0.145	0.078	0.150	0.156	0.177	1402	4	77.000	1.750	3.560	2.000	3.300	4.000	4.000
1109	4	84.000	2.000	3.810	2.000	3.810	4.500	4.060	1408	4	2.900	0.062	0.130	0.062	0.130	0.156	0.160
1112	4	73.000	2.000	3.200	2.000	2.800	4.000	3.600	1409	4	88.900	2.000	3.810	2.000	4.190	4.750	4.570
1113	6	3.563	0.078	0.170	0.078	0.170	0.187	0.195	1410	4	85.700	2.000	4.060	2.000	4.060	4.750	4.570
1114	6	3.250	0.078	0.155	0.078	0.155	0.187	0.195	1412	4	68.000	2.000	3.180	2.000	3.180	4.500	3.300
1118	4	2.284	0.078	0.105	0.078	0.105	0.126	0.138	1414	4	75.000	2.500	3.430	2.500	3.430	4.000	4.000
1145	4	2.542	0.062	0.110	0.062	0.110	0.125	0.128	1429	4	78.000	2.000	3.560	2.000	3.560	4.000	4.500
1147	8	3.875	0.093	0.170	0.093	0.180	0.187	0.215	1430	4	76.900	2.000	3.560	2.000	3.560	4.000	4.000
1148	8	3.910	0.078	0.185	0.078	0.180	0.187	0.212	1431	6	83.000	2.000	3.810	2.000	3.810	4.000	4.950
1149	4	85.000	2.000	4.000	2.000	4.000	4.000	4.500	1432	4	3.160	0.062	0.135	0.062	0.135	0.156	0.175
1166	6	3.680	0.078	0.175	0.078	0.175	0.187	0.195	1434	4	88.000	2.000	4.000	2.000	4.000	4.000	4.880
1194	4	3.071	0.078	0.140	0.098	0.140	0.156	0.175	1435	4	90.000	2.000	3.950	2.000	3.950	5.000	4.450
1204	4	3.500	0.093	0.155	0.093	0.140	0.187	0.160	1445	8	3.500	0.078	0.150	0.078	0.165	0.187	0.210
					0.093	0.140	0.187	0.140	1446	4	88.500	2.000	3.940	2.500	4.060	4.000	4.880
1210	6	3.375	0.078	0.160	0.078	0.160	0.187	0.195	1451	8	3.875	0.093	0.170	0.078	0.180	0.187	0.212
1217	4	2.478	0.070	0.100	0.070	0.100	0.156	0.130						0.078	0.180		
1234	4	3.688	0.078	0.160	0.078	0.175	0.187	0.195	1459	4	87.200	2.000	4.000	2.500	3.810	4.000	4.950
1235	4	3.688	0.078	0.160	0.078	0.175	0.187	0.195	1462	4	3.187	0.078	0.150	0.078	0.150	0.187	0.180
1239	4	77.000	2.000	3.300	2.000	3.300	4.000	4.000	1464	4	88.000	2.000	3.810	2.000	3.950	4.000	4.880
1241	4	85.500	2.000	3.940	2.000	3.940	5.000	4.450						2.000	3.950	4.000	4.000
1242	4	83.000	2.000	3.430	2.000	3.430	4.000	4.500	1465	4	82.000	2.000	3.810	2.000	3.680	4.000	4.500
1246	6	75.000	2.000	3.550	2.000	3.430	4.000	4.450	1476	4	80.000	2.000	3.680	2.000	3.680	4.000	4.200
1247	4	75.000	2.000	3.560	2.000	3.430	4.000	4.450	1478	8	4.000	0.078	0.185	0.078	0.185	0.187	0.198
1249	4	78.000	2.000	3.560	2.000	3.560	4.000	4.060	1479	8	3.500	0.078	0.165	0.078	0.165	0.187	0.195
1251	4	2.780	0.062	0.115	0.062	0.115	0.156	0.140	1485	6	4.063	0.093	0.175	0.093	0.175	0.186	0.203
					0.062	0.115									0.186	0.175	
1253	4	3.063	0.078	0.145	0.078	0.130	0.187	0.160	1486	6	4.063	0.093	0.175	0.093	0.175	0.187	0.212
1257	6	3.228	0.059	0.125	0.098	0.140	0.197	0.175						0.093	0.175	0.186	0.175
1259	4	2.542	0.062	0.110	0.078	0.115	0.156	0.130	1487	6	3.875	0.093	0.170	0.093	0.180	0.187	0.197
1263	4	83.000	2.000	3.810	2.000	3.810	4.000	4.950							0.186	0.160	
1273	4	3.000	0.078	0.140	0.078	0.130	0.187	0.180	1500	4	93.000	2.000	4.000	2.000	4.000	5.000	4.000
1286	8	3.625	0.078	0.160	0.078	0.160	0.187	0.195	1505	4	71.930	1.750	3.180	2.000	3.180	4.000	4.450
1290	1	4.400	0.093	0.190	0.093	0.190	0.186	0.233	1506	4	70.000	1.500	3.000	1.500	3.000	2.800	3.300
					0.093	0.190			1509	6	4.221	0.137	0.170	0.137	0.170	0.249	0.160
1296	6	3.760	0.078	0.180	0.078	0.180	0.187	0.197							0.249	0.180	
1297	8	3.875	0.078	0.180	0.078	0.180	0.187	0.215	1512	2	4.125	0.093	0.180	0.093	0.175	0.187	0.212
1298	4	88.000	2.000	4.060	2.500	4.060	4.000	4.880						0.093	0.175		
1313	4	4.000	0.093	0.185	0.093	0.185	0.250	0.175	1518	4	84.000	1.500	3.680	2.000	3.300	4.000	4.500
					0.093	0.185			1520	4	84.000	1.500	3.680	1.750	3.680	4.500	4.000
1321	8	3.910	0.078	0.185	0.078	0.180	0.187	0.197	1526	4	79.000	2.000	3.180	2.000	3.180	5.000	4.450
1325	6	3.520	0.078	0.165	0.078	0.165	0.187	0.195	1529	4	88.000	1.500	3.560	2.000	3.950	4.000	4.500
1333	4	68.000	2.000	3.180	2.000	3.180	4.000	3.600	1531	4	79.500	2.000	3.050	2.500	3.560	5.000	4.450
1334	4	86.000	2.000	4.000	2.500	3.800	4.000	4.880	1537	4	76.000	1.500	3.180	2.000	3.430	4.000	4.200
1335	4	73.000	2.000	3.180	2.000	2.800	4.000	4.000	1538	2	83.000	2.500	3.430	2.000	3.430	4.500	3.810
1337	6	87.200	2.000	4.000	2.500	3.810	4.000	4.950						2.000	3.430	4.500	3.430
1340	6	3.910	0.078	0.185	0.078	0.180	0.187	0.197	1539	4	75.000	2.000	3.560	2.000	3.430	4.000	3.810
1352	4	70.000	2.000	3.180	2.000	3.180	4.000	3.560	1540	4	3.188	0.078	0.150	0.078	0.150	0.156	0.177
1353	6	2.941	0.062	0.130	0.066	0.130	0.156	0.175	1541	4	3.188	0.062	0.145	0.078	0.150	0.156	0.177
1354	6	3.500	0.078	0.165	0.078	0.165	0.187	0.180	1542	6	90.000	2.000	3.950	2.500	4.000	4.000	4.880
1355	4	90.800	2.000	4.000	2.500	4.000	4.000	4.500							4.000	4.000	
1357	6	3.625	0.078	0.160	0.078	0.160	0.187	0.195	1543	6	86.500	2.000	4.000	2.500	3.810	4.000	4.880
1358	4	3.000	0.062	0.140	0.062	0.140	0.156	0.175	1545	2	88.900	2.360	3.560	2.360	3.560	4.750	4.570
1359	6	3.000	0.062	0.140	0.062	0.140	0.156	0.175						2.360	3.560	4.750	3.560
1361	4	2.875	0.078	0.125	0.078	0.110	0.156	0.140	1546	6	94.000	2.000	4.000	2.500	4.000	4.000	4.880
1362	4	78.000	1.500	3.560	1.500	3.560	4.000	4.200	1553	4	2.780	0.047	0.130	0.047	0.130	0.156	0.140
1362	4	78.000	1.500	3.560	1.500	3.560	4.000	4.200						0.047	0.130		
1363	4	73.000	2.000	3.300	2.000	3.300	4.000	4.000	1554	4	80.500	2.000	3.810	2.000	3.810	4.000	4.830
1369	6	3.125	0.078	0.145 </													

Numerical Listing - Ring Sets By Bore & Ring Depth

Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring		Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring	
			Width	Radial Depth	Width	Radial Depth	Width	Grooves Depth				Width	Radial Depth	Width	Radial Depth	Width	Groove Depth
1561	8	4.000	0.078	0.185	0.078	0.185	0.187	0.198	1685	4	84.500	1.500	3.180	1.500	3.810	4.000	3.890
1563	4	92.000	2.000	4.190	2.000	4.190	4.000	4.570	1686	6	86.000	1.500	3.400	1.500	3.800	2.800	3.900
1565	4	74.000	1.500	3.430	1.500	3.430	4.000	4.000	1687	4	84.500	1.500	3.200	1.500	3.700	2.800	3.600
1566	4	72.000	1.500	3.430	1.500	3.300	2.800	3.350	1692	4	3.840	0.078	0.160	0.078	0.170	0.187	0.212
1570	4	84.000	2.000	3.810	2.000	3.810	4.000	4.110	1693	4	69.500	1.500	2.670	1.500	2.920	4.000	3.810
1575	4	84.000	2.000	3.810	2.000	3.810	4.000	4.880	1694	4	85.000	2.000	3.950	2.000	3.950	4.000	4.190
1576	4	3.502	0.078	0.165	0.078	0.165	0.187	0.180	1705	6	2.940	0.078	0.135	0.078	0.135	0.156	0.150
1579	2	3.878	0.093	0.155	0.093	0.155	0.249	0.182	1707	4	80.000	1.500	3.560	1.500	3.560	4.000	4.190
									1707	4	80.000	1.500	3.560	1.500	3.560	4.000	4.190
1585	2	4.221	0.093	0.180	0.093	0.175	0.186	0.233	1709	4	102.000	2.500	4.190	2.500	4.320	4.500	6.100
									1709	4	102.000	2.500	4.190	2.500	4.320	4.500	6.100
1588	4	91.100	2.000	4.000	2.000	4.000	4.000	3.860	1710	4	92.000	2.000	4.000	2.000	4.190	4.000	4.880
1589	4	73.000	1.500	3.430	1.500	3.300	4.000	4.000	1712	4	95.000	2.500	4.190	2.500	4.190	4.500	5.400
1589	4	73.000	1.500	3.430	1.500	3.300	4.000	4.000	1713	4	92.000	1.500	3.430	1.500	3.950	4.000	3.610
1590	6	85.700	2.500	3.810	2.500	3.810	4.750	4.950	1714	4	86.000	1.500	3.430	1.500	3.810	4.000	3.860
1599	4	80.000	1.200	3.560	1.500	3.560	4.000	4.110	1715	4	87.000	1.500	3.560	1.500	3.810	4.000	4.500
1600	4	83.860	1.500	3.300	1.500	3.180	4.000	4.000	1716	4	80.000	1.570	3.300	2.000	3.300	4.000	4.570
1601	6	86.000	2.000	4.000	2.000	4.000	4.000	4.500	1717	6	91.850	1.500	3.430	1.500	4.000	4.000	4.110
1603	4	76.900	2.000	3.560	2.000	3.560	4.000	4.570	1719	4	81.000	1.500	3.560	1.500	3.810	4.000	4.190
1604	4	78.000	1.200	3.560	1.500	3.560	4.000	4.000	1720	1	3.425	0.078	0.140	0.078	0.140	0.187	0.160
1605	1	2.421	0.093	0.103	0.093	0.103									0.186	0.140	
1609	2	92.000	2.360	3.560	2.360	3.560	4.750	4.570	1726	4	87.000	1.500	3.680	1.500	3.680	4.000	4.110
									1727	6	96.500	1.500	3.900	1.500	3.900	3.000	4.300
									1728	6	3.625	0.078	0.166	0.078	0.166	0.187	0.183
1612	2	83.000	2.500	3.430	2.000	3.430	4.500	4.650	1729	4	78.000	1.500	3.560	1.500	3.560	4.000	3.860
									1730	6	86.000	2.000	3.560	2.000	4.450	4.000	4.190
1615	4	85.000	1.500	3.560	1.500	3.950	4.000	4.700	1731	4	84.800	1.500	3.700	1.500	3.700	3.000	4.400
1616	6	86.000	1.500	3.810	2.000	4.000	4.000	4.110	1733	4	86.000	2.000	3.680	2.000	3.810	4.000	4.950
1632	1	50.000	1.780	2.290	1.780	2.290			1734	2	83.000	2.500	3.500	2.000	3.400	4.000	2.800
1643	2	3.500	0.078	0.165	0.078	0.165	0.187	0.180	1735	4	86.000	1.500	3.700	1.500	3.700	3.000	4.400
1644	4	76.000	1.500	3.180	1.500	3.180	4.000	4.450	1736	4	80.500	1.500	3.300	1.500	3.680	4.000	4.000
1645	4	76.000	2.000	3.300	2.000	3.430	4.000	4.450	1737	4	95.025	2.400	3.800	2.400	3.800	4.800	2.900
1647	6	91.000	2.500	4.450	2.500	3.950	4.000	4.950	1741	4	81.000	1.500	3.300	1.500	3.560	2.800	3.300
1648	6	88.000	2.500	3.810	2.500	4.000	4.000	4.830	1742	4	86.000	1.500	3.430	1.500	3.810	4.000	3.610
1649	4	84.000	1.500	3.560	2.000	3.810	4.000	3.610	1743	4	3.500	0.093	0.150	0.093	0.140	0.187	0.210
1650	4	95.000	2.500	4.200	2.500	4.200	4.500	4.900	1744	4	91.000	1.500	3.560	1.500	3.950	4.000	3.950
									1746	4	92.000	2.500	4.000	2.000	4.000	4.500	4.000
1651	4	84.000	1.500	3.560	2.000	3.810	4.000	4.110	1747	8	3.500	0.062	0.170	0.062	0.170	0.187	0.170
1652	4	90.000	2.000	3.300	2.000	3.950	4.000	4.880	1749	4	89.000	2.000	3.180	1.500	3.950	4.000	4.110
1653	4	84.000	1.500	3.680	1.500	3.680	4.000	3.860	1751	4	90.000	2.500	3.800	2.000	4.000	4.000	3.150
1653	4	84.000	1.500	3.680	1.500	3.680	4.000	3.860	1752	6	88.000	2.500	3.800	2.500	3.800	4.000	3.800
1654	4	88.000	1.500	3.950	1.500	3.950	4.000	4.110									
1654	4	88.000	1.500	3.950	1.500	3.950	4.000	4.110	1753	6	88.000	2.500	3.800	2.500	3.800	4.000	3.800
1655	4	80.000	1.500	3.430	2.000	3.680	4.000	3.860									
1656	4	77.000	1.200	3.560	1.500	3.560	4.000	3.860									
1657	4	77.000	1.500	3.180	2.000	3.330	4.000	3.860									
1658	4	88.900	2.360	3.560	2.360	3.560	4.750	4.570	1754	6	91.000	2.500	4.000	2.500	4.000	4.000	3.200
1660	4	86.000	1.500	3.810	1.500	3.810	4.000	4.110									
1661	4	87.000	2.000	4.000	2.000	4.000	4.000	4.110	1756	4	89.000	2.500	3.700	2.000	3.700	4.500	3.000
1662	4	84.000	2.500	3.810	2.000	3.810	4.000	4.500	1757	4	100.000	3.000	4.200	2.000	4.200	4.500	3.000
1663	4	80.000	1.500	3.560	1.750	3.430	4.000	4.700	1758	4	88.000	2.500	3.800	2.000	3.800	4.000	2.800
1664	3	68.500	1.500	2.670	1.500	2.920	2.800	3.760	1759	4	92.000	2.500	3.800	2.000	3.800	4.000	4.800
1666	6	3.680	0.059	0.135	0.059	0.160	0.156	0.165	1760	4	76.500	2.000	3.180	2.500	3.680	4.000	4.000
1667	4	80.600	2.000	3.810	2.000	3.560	4.000	4.190	1761	4	92.000	1.200	3.550	1.500	3.950	4.000	4.250
1671	4	92.000	2.000	4.190	2.500	4.000	4.000	4.190	1762	6	92.300	1.500	3.400	1.500	4.100	3.000	4.000
1672	4	76.000	1.200	3.300	2.000	3.430	4.000	4.110	1764	3	74.000	1.200	3.000	1.500	3.400	2.800	3.430
1673	4	77.500	1.500	3.600	1.500	3.600	2.800	3.180	1765	6	92.000	2.500	4.000	2.000	4.190	4.500	5.590
1673	4	77.500	1.500	3.600	1.500	3.600	2.800	3.180	1768	4	102.000	3.000	4.400	2.500	4.400	5.000	3.300
1674	4	74.000	1.500	3.430	1.500	3.430	4.000	3.560	1769	6	102.000	3.000	4.400	2.500	4.400	5.000	3.300
1675	4	77.000	1.500	3.180	1.500	3.180	4.000	3.860	1770	4	74.000	1.200	3.000	1.500	3.400	2.800	3.430
1676	4	72.000	1.500	3.430	1.500	3.300	4.000	3.560	1774	6	92.000	2.400	3.600	2.400	3.600	4.800	2.900
1678	4	65.500	1.500	2.700	1.500	2.800	2.800	3.430	1775	4	100.000	3.000	4.000	2.000	4.200	5.000	3.200
1679	4	77.000	1.500	3.180	2.800	3.300			1776	4	91.100	2.500	3.700	2.000	3.800	4.000	2.900
1680	4	84.800	1.500	3.560	1.750	3.560	4.000	4.500	1777	4	91.100	2.500	3.700	2.000	3.900	4.000	2.900
1684	4	81.100	1.500	3.560	1.500	3.950	4.000	3.860	1778	3	62.000	1.500	2.790	1.500	2.790	2.800	3.300

Numerical Listing - Ring Sets By Bore & Ring Depth

Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring		Set No.	Cyl.	Bore	1st Ring		2nd/3rd Ring		Oil Ring	
			Width	Radial Depth	Width	Radial Depth	Width	Groove Depth				Width	Radial Depth	Width	Radial Depth	Width	Groove Depth
1779	4	92.900	2.500	4.000	2.000	4.000	4.000	3.000	1861	4	95.000	1.750	3.800	1.500	4.200	4.000	3.450
1780	4	96.000	2.500	4.000	2.000	4.000	4.000	3.000	1862	8	4.000	0.059	0.165	0.059	0.165	0.156	0.126
1781	6	96.000	2.500	4.000	2.000	4.000	4.000	3.000	1863	4	78.000	1.500	3.300	1.500	3.560	2.800	3.400
1784	6	94.000	2.000	3.500	2.000	4.000	4.000	5.000	1864	4	85.000	1.200	3.430	1.200	3.300	2.800	3.600
1785	4	96.000	2.000	3.350	2.000	4.200	4.000	4.350	1865	4	81.000	1.200	3.300	1.500	3.600	2.800	2.900
1786	4	62.000	1.500	2.800	1.500	2.800	2.800	3.300	1868	6	84.500	1.500	3.180	1.500	3.680	3.000	3.610
1788	4	88.000	2.000	3.940	2.000	3.940	4.000	4.500	1869	4	76.000	1.200	3.050	1.500	3.430	2.800	3.250
1789	4	88.000	2.000	3.680	2.000	3.810	4.000	4.450	1870	4	75.000	1.000	2.920	1.200	3.300	2.800	3.230
1790	4	78.000	1.500	3.300	2.000	3.560	4.000	3.700	1871	4	83.000	1.500	3.800	2.000	3.800	4.000	4.600
1791	3	76.000	1.500	3.200	1.500	3.200	2.800	3.180	1876	6	87.000	1.200	3.430	1.200	3.810	4.000	3.700
1797	4	71.000	1.200	3.700	1.500	3.700	3.000	3.700	1877	4	102.000	2.500	3.700	2.000	4.300	4.000	2.600
1798	6	94.000	1.500	3.810	1.500	4.190	4.000	4.110	1879	4	86.500	1.200	3.430	1.500	3.940	2.800	3.230
1800	4	3.130	0.068	0.135	0.078	0.140	0.156	0.160	1880	4	86.500	1.200	3.430	1.500	3.940	3.000	3.230
1801	4	77.000	1.200	3.300	1.200	3.300	2.800	3.300	1883	4	91.100	2.000	3.700	2.000	3.800	4.000	5.150
1802	4	75.500	1.500	3.300	1.500	3.300	4.000	4.000	1884	4	81.000	1.200	3.300	1.200	3.810	2.800	3.230
1803	6	91.100	1.200	3.400	1.500	3.900	3.000	3.300	1885	4	96.900	1.200	3.430	1.500	3.940	3.000	3.610
1804	4	74.000	1.500	3.300	1.500	3.400	2.800	3.300	1886	6	83.000	1.500	3.810	1.500	3.810	4.000	4.220
1805	4	81.000	1.500	3.300	1.500	3.600	3.000	3.600	1887	4	86.000	1.750	3.300	2.000	3.800	3.000	3.100
1807	4	87.000	1.500	3.680	1.500	3.680	4.000	3.680	1888	1	2.500	0.062	0.095	0.062	0.095	0.125	
1808	4	73.000	1.500	3.000	1.500	3.300	3.000	3.180	1889	4	87.500	1.500	3.800	1.500	4.050	4.000	4.250
1809	4	89.000	1.500	3.200	1.500	3.900	2.800	3.300	1890	4	3.875	0.059	0.160	0.059	0.175	0.156	0.170
1810	4	80.600	1.500	3.680	1.500	3.950	4.000	4.000	1891	4	75.000	1.200	3.050	1.500	3.430	4.000	3.750
1811	4	80.000	1.500	3.430	1.500	3.300	3.000	3.810	1892	4	77.600	1.500	3.180	1.500	3.180	3.000	4.150
1812	6	3.800	0.047	0.145	0.059	0.155	0.118	0.169	263	6	2.250	0.093	0.140	0.093	0.140	0.187	0.180
1813	4	86.500	1.500	3.700	1.500	3.700	4.000	4.100	3088	4	3.160	0.062	0.135	0.062	0.135	0.156	0.162
1814	6	87.500	1.500	4.200	1.500	4.200	3.000	3.100						0.062	0.135		
1815	6	87.500	1.500	4.200	1.500	4.200	4.000	3.400	3170	4	3.563	0.093	0.145	0.093	0.145	0.187	0.180
1816	6	91.100	1.500	3.600	1.500	3.940	4.000	3.700						0.093	0.145	0.187	0.145
1817	4	89.300	1.500	3.000	1.500	3.600	4.000	3.700	3190	6	85.700	2.500	3.810	2.500	3.810	4.750	4.060
1818	4	92.600	1.500	3.800	1.500	3.800	4.000	4.000	3191	4	88.000	2.500	4.060	2.500	4.060	5.000	4.450
1820	4	102.000	2.500	4.100	2.500	4.300	4.500	2.800	3216	6	105.000	3.000	4.060	3.000	4.060	4.750	4.060
1821	4	78.000	1.500	3.300	1.500	3.600	3.000	3.000						3.000	4.060	5.000	4.060
1822	6	94.000	2.000	3.940	2.000	4.060	4.000	4.100	3226	6	3.875	0.078	0.180	0.078	0.180	0.187	0.212
1823	4	76.000	1.500	3.800	1.500	3.800	3.000	3.000	3236	6	3.875	0.093	0.175	0.093	0.175	0.187	0.212
1824	4	92.000	1.500	3.400	1.500	3.900	4.000	4.100	3239	6	90.000	3.000	3.810	3.000	3.810	4.000	4.500
1826	6	83.000	2.500	3.950	2.000	3.950	4.000	4.650							4.000	4.000	
1828	4	88.000	2.500	4.500	2.000	4.100	4.000	4.250	3305	2	85.000	2.500	3.810	2.500	3.810	5.000	4.450
1829	4	75.500	1.200	3.050	1.500	3.300	3.000	3.250	3324	4	2.756	0.078	0.125	0.078	0.125	0.126	0.138
1830	4	88.000	1.500	4.350	1.500	4.350	4.000	4.350	3329	4	3.875	0.078	0.180	0.078	0.180	0.187	0.202
1831	6	90.000	1.500	4.500	1.500	4.500	4.000	4.200	3417	4	3.150	0.059	0.140	0.078	0.130	0.156	0.180
1832	4	100.000	3.000	4.500	2.000	4.700	5.000	3.700	3466	6	4.000	0.078	0.185	0.078	0.185	0.187	0.197
1833	4	76.000	1.500	3.180	1.500	3.180	3.000	3.850	366	6	3.268	0.078	0.135	0.078	0.135	0.156	0.152
1834	4	86.000	1.500	3.430	1.500	3.430	3.000	3.600	374	4	85.000	2.000	3.430	2.000	3.430	4.750	4.060
1835	4	75.000	1.200	3.050	1.500	3.450	2.800	3.400	894	4	3.032	0.098	0.130	0.078	0.130	0.156	0.165
1835	4	75.000	1.200	3.050	1.500	3.450	2.800	3.400	9095	6	96.520	1.500	3.940	1.500	3.940	4.000	3.700
1836	4	76.000	2.000	4.240	2.000	4.240	4.000	4.340	9098	8	4.000	0.078	0.185	0.078	0.185	0.187	0.180
1837	4	76.000	1.200	3.560	1.500	3.680	3.000	3.950	9099	4	3.189	0.062	0.145	0.078	0.140	0.156	0.146
1838	4	86.000	1.200	4.200	1.500	4.300	4.000	4.000	9100	6	96.520	1.500	3.940	1.500	3.940	3.000	4.300
1839	6	83.000	1.500	3.800	1.500	3.800	4.000	3.700	9101	6	3.622	0.059	0.135	0.059	0.155	0.156	0.165
1839	6	83.000	1.500	3.800	1.500	3.800	4.000	3.700	9102	6	92.350	1.500	3.430	1.500	4.060	3.000	4.200
1840	4	85.000	1.200	3.450	1.500	3.950	3.000	3.350	9103	8	4.000	0.062	0.185	0.062	0.185	0.187	0.180
1842	6	91.000	2.500	4.000	2.500	4.000	4.000	5.000	9106	8	4.000	0.059	0.165	0.059	0.165	0.156	0.180
1843	4	75.000	1.500	3.200	1.500	3.400	4.000	3.600	9110	8	4.000	0.059	0.165	0.059	0.165	0.156	0.180
1844	6	3.628	0.059	0.145	0.059	0.150	0.156	0.146	9112	8	3.625	0.059	0.150	0.059	0.150	0.156	0.162
1845	4	66.000	1.500	2.700	1.500	2.800	4.000	3.350	9114	6	3.625	0.059	0.145	0.059	0.150	0.156	0.162
1846	4	83.000	1.500	3.800	1.500	3.800	2.800	3.350	9116	8	3.625	0.059	0.145	0.059	0.150	0.156	0.162
1847	4	82.700	1.500	3.560	1.500	3.560	4.000	3.450	9121	6	93.472	1.500	3.430	1.500	4.100	4.000	3.700
1848	8	4.002	0.059	0.165	0.059	0.165	0.156	0.170	981	4	2.477	0.070	0.100	0.070	0.100	0.126	0.128
1849	6	87.000	1.500	3.560	1.500	3.680	2.800	3.100						0.070	0.100		
1850	4	83.000	1.500	3.800	1.500	3.800	3.000	3.350	992	6	3.688	0.093	0.175	0.124	0.160	0.187	0.195
1857	4	83.000	1.200	3.680	1.500	3.810	3.000	3.100	993	6	3.063	0.093	0.145	0.093	0.145	0.187	0.180
1859	4	76.000	1.500	3.200	1.500	3.180	3.000	3.250									
1860	4	81.000	1.200	3.560	1.500	3.560	3.000	3.200									

Measurements in bold are in inches. All other measurements are in millimetres.