



## Millennium Range

The NEW Millennium range of RC40 exhaust systems all use the optimum size 1.75" (1.625" internal) tubing for maximum performance and efficiency. These are available in a variety of different size tailpipes and style options. There are two alternatives of material in the range. Either T304 stainless steel with lifetime guarantee or mild steel with a stainless steel internal pipe for anti-corrosion strength and tailpipe for enhanced appearance.

### Rolled Edge DTM Style



1. S/steel side exit, standard bore tailpipe ..... RC40-051
2. S/steel side exit DTM style 2" tailpipe ..... RC40-052
3. a. S/steel side exit single large bore 2.25" tailpipe. .... RC40-053  
b. Mild steel single large bore 2.25" tailpipe ..... RC40-010
4. a. S/steel center exit standard bore tailpipe ..... RC40-054  
b. Mild steel center exit standard bore tailpipe ..... RC40-011
5. a. S/steel center exit large bore 2.25" tailpipe ..... RC40-056  
b. Mild steel center exit large bore 2.25" tailpipe ..... RC40-012



6. S/Steel center exit DTM style tailpipe ..... RC40-055
7. Downpipes to rear single box silencer when no catalyst fitted.
  - a. Stainless steel downpipe from Freeflow manifold (C-STR816) to rear silencer. (as item 17) ..... RC40-058
  - b. Stainless steel downpipe from LCB manifold (C-AEG365) to rear silencer. (shorter version of item 17) ..... RC40-059
  - c. For a mild steel downpipe use AN180V (as item 17 and cut if necessary).
8. Downpipe with intermediate silencer when no catalyst fitted.
  - a. Stainless steel downpipe with intermediate silencer from Freeflow (C-STR816) to rear silencer ..... RC40-060
  - b. Stainless steel downpipe with intermediate silencer from LCB (C-AEG365) to rear silencer ..... RC40-061
  - c. Mild Steel downpipe with intermediate silencer from Freeflow (C-STR816) to rear silencer (cut downpipe to length for LCB) ..... RC40-013

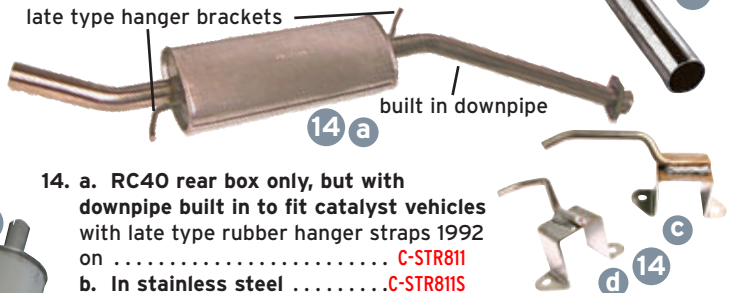


9. Intermediate silencer from catalyst to the rear silencer box, when you are installing a twin rear box system
  - a. Stainless steel ..... RC40-062
  - b. Mild steel ..... RC40-014
10. Catalytic converter assembly.
  - a. 1275cc 1990 On ..... RV8009
  - b. Sports type ..... RC40-015
11. Connecting pipes from catalyst to single box rear system.
  - a. Stainless steel pipe from catalyst to rear silencer. .... RC40-057
  - b. For mild steel use AN181T and cut to length required.



## Classic Range

12. RC40 classic rear exhaust box as shown with the catalyst pipe AN181T fitted for use when the old type rubber mounting blocks pre 1992 are used. The same rear box is used with long downpipe 16 for single box exhaust system. Box only ..... C-STR809
13. Pipe with flange for bolting to catalyst and attaching the rear exhaust box. Can be cut and used for Millennium range. For the pipe only. Shown fitted in picture ..... AN181T



14. a. RC40 rear box only, but with downpipe built in to fit catalyst vehicles with late type rubber hanger straps 1992 on ..... C-STR811  
b. In stainless steel ..... C-STR811S  
c. Bracket for front of rear subframe when required ..... C-ARA670  
d. Bracket for rear of rear subframe when required ..... C-ARA671

15. This downpipe is not part of the RC40 system when ordered. State type of pipe required.
  - a. Short pipe that joins RC40 twin box system to Freeflow exhaust manifold. When fitting to a LCB type manifold, the flared end with slots needs to be cut off. .... RC40-001
  - b. Short pipe that joins RC40 twin box system to a standard bore LCB. To save cutting item 15a ..... RC40-002

16. Twin box only RC40 performance system which does not include pipe item 14, was designed specifically for Minis by computer and flow bench tested for maximum efficiency and economy, also tested and epitomised in Vizard's 'A' series tuning books. No power loss in engines up to 125 bhp. 1.75" pipe size with internal diameter of 1.625" but entrance hole is flared to 1.75" internal to take item number 14. .... RC40

For stainless steel version use Millennium range.

12. RC40 rear box only for use with item number 16 has entrance hole flared to accept 1.75 inlet. .... C-STR809
17. Pipe for fitting Freeflow exhaust manifold to RC40 single box. When using a LCB type manifold the flanged end piece will require cutting off. AN180V
18. Fitting kit for RC40 when you are not using the rubber hanging straps as fitted from 1992 on RC40FK



For Money Saving Kits see page 25



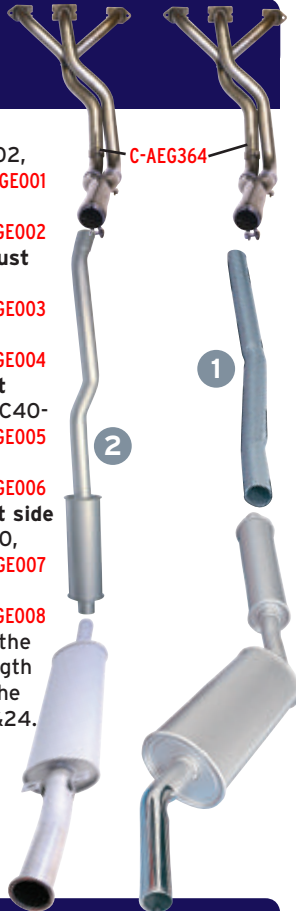


### Manifold and Exhaust Packages

1. a. Original RC40 exhaust and fitting kit. (This kit includes, RC40, RC40-002, RC40FK) ..... **RC40PACKAGE001**  
 b. as above with Millennium exhaust manifold (C-AEG364)..... **RC40PACKAGE002**
2. a. Millennium RC40 center exit exhaust and fitting kit (RC40-011, RC40-013, RC40FK) ..... **RC40PACKAGE003**  
 b. as above with Millennium exhaust manifold (C-AEG364)..... **RC40PACKAGE004**  
 c. Millennium RC40 large bore outlet center exit exhaust and fitting kit (RC40-012, RC40-013, RC40FK) . **RC40PACKAGE005**  
 d. as above with Millennium exhaust manifold (C-AEG364)..... **RC40PACKAGE006**  
 e. Millennium RC40 large bore outlet side exit exhaust and fitting kit (RC40-010, RC40-013, RC40FK)..... **RC40PACKAGE007**  
 f. as above with Millennium exhaust manifold (C-AEG364)..... **RC40PACKAGE008**

NOTE: For all Millennium kits No.2 above the exhaust downpipe will need cutting to length required. For more information on all of the above components please see pages 23 & 24.

All supplied with complete fitting kit **RC40FK**.



### Performance Kits for Coopers

3. Kit For 1275cc fuel injected engines from October 1991 on. Kit for fuel injection cars retains catalyst but uses RC40 single rear box. Kit includes modified large race spec valve lead free modified Mini Spares Super Sport cylinder head, roller tip rocker gear, replacement air filter element, gaskets, spark plugs, RC40 rear box and fitting kit. On single point cars 20-25% extra power can be expected, but on twin point cars 20% is the norm. Keith Dodd has this kit fitted on his twin point and finds the car is far quicker at top end & has improved acceleration throughout the rev range.  
 a. For single point car ..... **C-STN20**  
 b. For twin point car..... **C-STN21**
4. Bolt on Performance kits for Cooper 1275cc cars from 1990 on, with HIF44 1.75" carburettor. Kit includes modified large race spec valve lead free modified Mini Spares Super Sport cylinder head, roller tip rocker gear, replacement air filter element, gaskets, carburettor needle HIF44, freeflow exhaust manifold, RC40 rear box, down pipe and fitting kit. To fit this kit a knowledge of cylinder head replacing, timing and carburettor adjustments is required. .... **C-STN19**
5. Budget Performance Kit. The above kits with Road Sport cylinder head and forged rockers, which gives near identical power in all ways as with number 4a and 4b. This is a beneficial cost cutting exercise.  
 a. For single point car ..... **C-STN20BUDGET**  
 b. For twin point car..... **C-STN21BUDGET**
6. A pipe to replace the catalytic converter is available where local laws permit (suitable for both the above kits 4 & 5)... **C-ARA664**



### Manifold Exhaust Systems

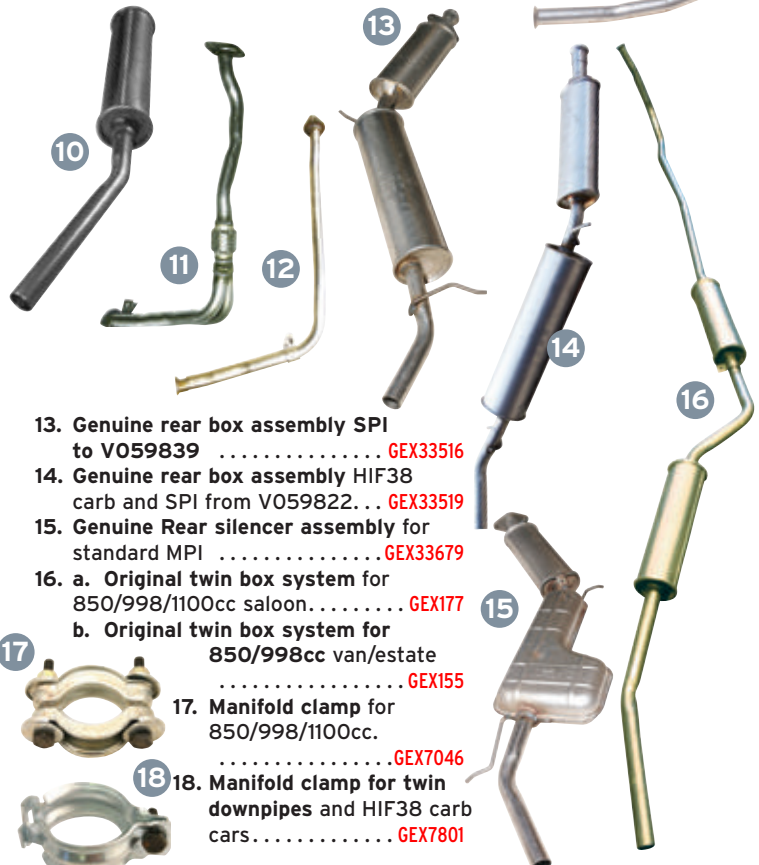
Manifold exhaust systems are stocked for specific performance uses and they are not as quiet as the RC40

7. Rear side exit exhausts, fitted in original positions of Mini as per Rover.  
 a. 2" bore single box exhaust system. Not road legal except for turbos..... **C-ARA333**  
 b. 2" bore twin box exhaust system. .... **C-ARA334**  
 c. 1 3/4" bore twin box system for fuel injected (TBI) Minis when retaining catalyst. Joining pipe with a built-in knuckle and twin boxes for late type hangers only..... **C-ARA336**  
 d. 1 7/8" bore twin box system for fitting to LCB when no catalyst fitted or required ..... **C-ARA337**  
 e. 1 3/4" standard bore twin box..... **C-ARA331**  
 f. 1 3/4" standard bore twin box system for mini van, pick up, estate ..... **C-ARA339**  
 g. 1 7/8" twin box system for van..... **C-ARA342**  
 h. 1 3/4" standard bore single box system with twin upswept DTM style tailpipes ..... **C-ARA340**
8. Center exit exhaust systems.  
 a. 2" bore twin box system..... **C-ARA335**  
 b. 1 7/8" bore twin box system ..... **C-ARA338**  
 c. 1 3/4" bore twin box system ..... **C-ARA332**



### Standard Exhaust Systems

9. Original Downpipe for 850/998/1100cc mini saloon..... **GEX1390**
10. Rear single box 850/998/1100cc..... **GEX3288**
11. Downpipes for SPI and MPI ..... **GEX12043**
12. Downpipes for HIF38 carb cars ..... **GEX12052**



13. Genuine rear box assembly SPI to V059839 ..... **GEX33516**
14. Genuine rear box assembly HIF38 carb and SPI from V059822... **GEX33519**
15. Genuine Rear silencer assembly for standard MPI ..... **GEX33679**
16. a. Original twin box system for 850/998/1100cc saloon..... **GEX177**  
 b. Original twin box system for 850/998cc van/estate ..... **GEX155**
17. Manifold clamp for 850/998/1100cc. .... **GEX7046**
18. Manifold clamp for twin downpipes and HIF38 carb cars..... **GEX7801**







## Mini Spares Stage One Kit

### 1. Stage one kits for For 998cc / 1100cc / 1300cc engines

a. The engine will require adjustment/ tuning after fitment and specialist equipment or knowledge is required. It is advisable to have the car set up on a rolling road and ensure exhaust emissions and ignition timing are correct.

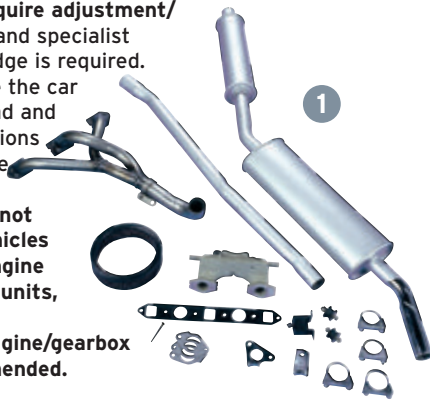
b. This proven kit is not recommended for vehicles with factory fitted engine management control units, 1275cc - Oct.1991 on.

c. Fitting of extra engine/gearbox stabilisers is recommended.

#### This kit includes:

- Freeflow exhaust manifold.
- Mini Spares inlet manifold.
- RC40 / RC40-010 / RC40-012 exhaust system and fitting kit depending on kit.
- K&N filter element.
- Replacement carburettor needle (spring loaded BIAS type).
- Manifold gaskets and carburettor gaskets.
- Full fitting instructions.

Beware: Instructions must be read carefully. Although the stage one kits are bolt on parts, easily fitted by any person with mechanical knowledge, points a, b and c at top of page must be understood.



## Stage One Plus Kit with LCB



### 2. Millennium tuning package with LCB.

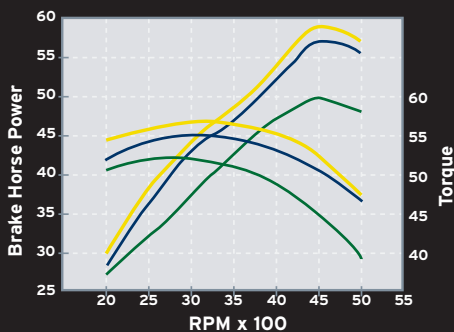
This kit is for people going a stage further than our recommended stage one kit. i.e. cylinder head or camshaft change, it therefore has no carb needle and should be set up on a rolling road for maximum power and economy ..... **C-STN16**

STAGE 1 KIT For mini with	Kit with Twin Box Silencer RC40 & RC40-001	Kit with Large Bore Center Exit RC40-012 & AN180V	Kit with Large Bore Side Exit RC40-010 & AN180V
998/1100cc	<b>C-STN17</b>	<b>C-STN17A</b>	<b>C-STN17B</b>
1275cc HIF38/HS4 carb	<b>C-STN18</b>	<b>C-STN18B</b>	<b>C-STN18C</b>
1275cc HIF44 carb	<b>C-STN18A</b>	<b>C-STN18D</b>	<b>C-STN18E</b>

All our tuning kits use exhaust pipes with 1.625" optimum internal bore size - extensive dyno tests have proved this to be the best! Larger sizes loose usable power.

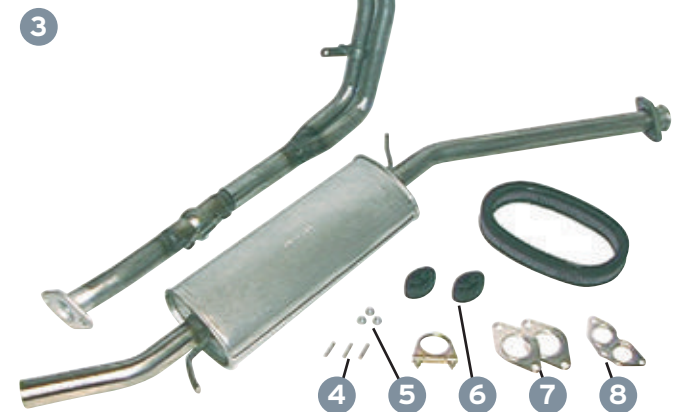
### RESULTS OBTAINED FROM FITTING 998 KIT:

- 20% more power
- 12% more torque
- Best mpg 55
- Worst mpg 42
- Average mpg 47
- No significant noise increase



- Standard induction and exhaust system
- Modified system using MG Metro inlet manifold
- Modified system using Mini Spares' inlet manifold

## Stage One kit



### For all fuel injected cars

- 3. Stage One Kit.** If your front downpipe or exhaust are getting tired then change to this conversion and get extra power for little expense. New better flowing downpipe with flexible knuckle to catalyst and a single rear silencer box section from catalyst back plus all gaskets and fittings required..... **C-STN22**
- 4. Stud for exhaust downpipe flange.** Order individually... **TD108051A**
- 5. Flanged Nut for exhaust stud.** Order individually ..... **FX108047**
- 6. Rubber hanger strap** ..... **DBP7104**
- 7. Catalyst gasket 2 required.** Order individually..... **GEX7761**
- 8. Down pipe to manifold gasket.** Order individually ..... **GEX7779**



Your hard work and our parts keeping your Mini on the road.

