

QUESTIONNAIRE

Information required enabling RTR to supply correct parts in the following kits: -

RTR1428K TR2-4A Fast Road engine Stage 1; kit of parts.

RTR1429K TR2-4A Fast Road / Rally engine Stage 2; kit of parts.

RTR1430K TR2-4A Fast Road / Rally/ Competition engine Stage 3; kit of parts.

RTR1431K TR2-4A Outright Competition engine Stage 4; kit of parts.

Please answer the following questions, which determine the type of engine you are rebuilding/upgrading. Remember that the car and its engine are circa 40 years old and unless you have had it from new, you cannot be certain that the engine components, presently fitted, match exactly the original specification for your engine number. It is therefore vitally important to physically check what is in your engine.

Please note that Revington TR cannot be responsible for the incorrect supply of parts where the information requested below is either incomplete or inaccurate.

1. **What is your bore size?** (83 is standard TR2-3A, 86mm is standard TR4-4A)
2. **What piston and liner size do you require?**
(Standard, +0.010" +0.020", +0.030", +0.040", pistons and liner sets available for Stage 1 & 2 engines in both 83mm and 86mm nominal sizes. Note that 86+40 is 87mm).
(87mm and 89mm cast pistons and liners pistons and liners available for Stage 3 and 4 engines). 83mm to 89mm forged pistons avail to special order only.

3. **What Big End bearing size do you require?**
(Standard, -0.010" -0.020", -0.030", -0.040", -0.050" bearings are available).

4. **What Main bearing size do you require?**
(Standard, -0.010" -0.020", -0.030", -0.040", -0.050" bearings are available).

Note: - Whilst a large range of undersize bearings is available, Revington TR strongly recommends the use of -0.040" and -0.050" bearings in Stage 1 engines only. Crankshafts are available new or second-hand if required).

5. **What thrust washer size do you require?**
(Standard, +0.005" +0.010", +0.015", +0.025" thrust washers are available).

6. **Cylinder head**
 - 6.1. **High port or low port?**

- 6.2. **Has the cylinder head been machined before?**
If compression ratio is too high, Revington TR can supply a range of thicker solid copper head gaskets.

- 6.3. **Valves, Guides and valve springs**
 - 6.3.1. What is the outside diameter of the exhaust valve guides?
 - 6.3.2. What valve springs are fitted? 2 springs on the exhaust or 3?
 - 6.3.3. 2 springs on the exhaust are preferable. We can supply suitable aluminium valve caps.

7. **What crankshaft type do you have- Cross-drilled or not?**
Revington advise against using non-cross drilled crankshafts.

8. **Which flywheel do you have?**
The TR2 flywheel has a pressed on ring gear and is quite light compared with the TR4-4A flywheel which is much heavier and had a bolted on ring gear. Our kits assume that you will be converting TR2-4 to a diaphragm type clutch plate and cover (if not already done) which will require the flywheel to be re-drilled. Bear in mind that two different starter motors are used, RTR recommend a geared starter, which allows the use of an extractor manifold.
Stage 3 and 4 kits include an aluminium flywheel.

OTHER USEFUL INFORMATION

Stage 1 and 2 engines will work with standard exhaust, distributor and carburettors as fitted to your car, with little alteration.

Stage 3 and 4 engines will need careful consideration of the specification of the components around the engine to ensure the best performance is achieved. The following list of options is not exhaustive but should be considered as a minimum.

1. Exhaust extractor manifold
2. Full flow exhaust system.
3. Carburettors - SU or Webers. Webers are now very expensive. If these are considered, and new units are required, consider Electronic Fuel Injection, as the benefits are huge, with little extra expense.
4. Electronic Fuel Injection. Please see our website www.revingtontr.com or ask for our information sheet IS0020.
5. Inlet manifold
6. Air filter.
7. Electronic ignition including fully mapped ignition.
8. Distributor.
9. Fuel pump.

Revington TR have available all the equipment you will need to complement your engine.
Please call to discuss.

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