

*Inlet and exhaust manifold, remove and refit—Operation A1-7

(For overhaul information, Operation A1-8 refers)

Workshop hand tools:

Spanner sizes: 2 BA, $\frac{5}{16}$ in. Whit, $\frac{1}{2}$ in. AF, $\frac{9}{16}$ in.
AF open end, $\frac{1}{2}$ in. AF socket
Screwdriver (medium), Pliers

Special tools:

Torque wrench

To remove

1. Remove bonnet panel. Operation A1-1.
2. Remove carburettor. Operation A1-6.
3. Remove the exhaust heat shield if fitted.
4. Disconnect front exhaust pipe from manifold.

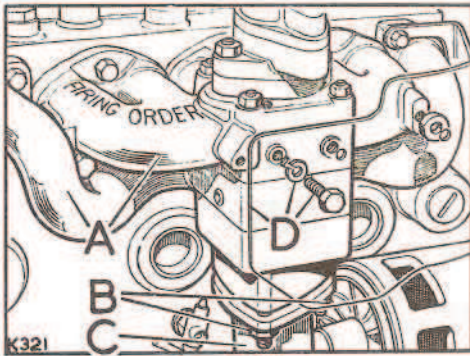


Fig. A1-30. Front exhaust pipe fixings

A—Exhaust manifold
B—Fixings for front exhaust pipe
C—Front exhaust pipe
D—Heat shield and fixings, if fitted

5. Remove fixings and withdraw inlet and exhaust manifolds complete. Remove joint washer.

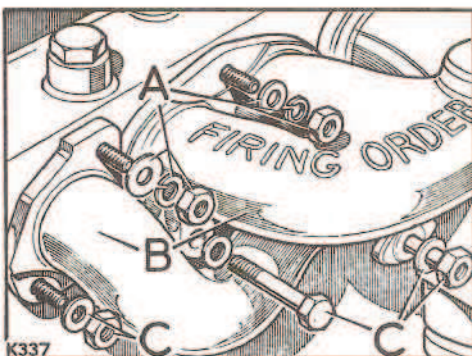


Fig. A1-31. Manifold fixings to cylinder head

A—Upper fixings
B—Manifolds assembly
C—Lower fixings

To refit

Note: Where a replacement joint washer is required, early and late types are available; the early type is a one-piece washer for both inlet and exhaust manifolds, the late type washers (2 off) are for the inlet manifold only with the exhaust manifold and cylinder head in metal-to-metal contact. For replacement purposes use joint washers of the type originally fitted to the particular engine.

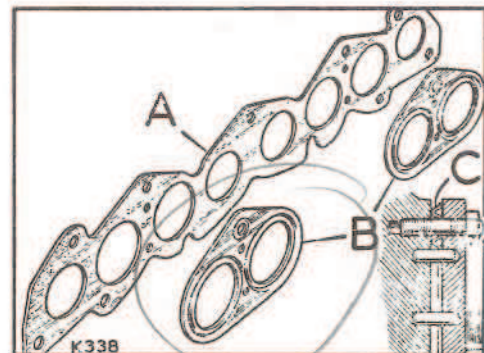


Fig. A1-32. Manifold joint washers

A—Early type, for inlet and exhaust manifold
B—Late type, for inlet manifold only
C—Position of raised portion, when fitted

1. When fitting the late type joint washers proceed as follows:
 - (a) Tighten the inlet manifold to exhaust manifold fixings to 17 lb ft (2,3 mkg) torque load then slacken off slightly.
 - (b) With the raised rings on the inlet manifold joint washer toward the cylinder head, fit the joint washer and manifolds complete and tighten the fixings.
 - (c) Finally, retighten the inlet manifold to exhaust manifold fixings to 17 lb ft (2,3 mkg) torque load.

Operations marked with an asterisk (*) can be carried out with the engine installed in the vehicle

Operation A1-7—continued

2. Refit the front exhaust pipe, see Fig. A1-30.
3. Refit the carburetter and bonnet panel, Operations A1-6 and A1-1 respectively.