

Removal and Installation of Intake Line with Throttle Duct

Job No.

14-1

Removal and installation on engines of all types is substantially the same. On engines with centrifugal governor the throttle duct is replaced by a flanged connection to attach the air filter. The intake lines are of different design and cannot be interchanged at will (refer to Job No. 14-3, section A).

Removal:

1. Remove air filter or air hose, depending on type. Loosen clip on air filter and remove fastening screw on throttle duct.
2. Unhinge linkage and bowden cable for idling control on throttle duct.
3. Unscrew vacuum line (3) on flap socket (Figure 14-1/1).
4. Unscrew the 4 hex bolts on OM 636 or the 4 hex nuts on OM 621, which hold the intake line to the cylinder head, and remove intake line.

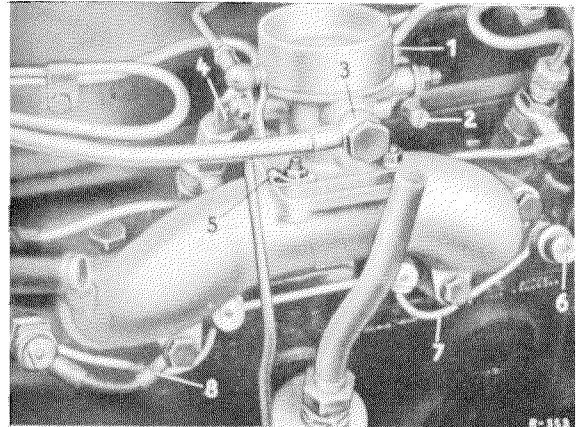


Figure 14-1/1

OM 636

- 1 Full load stop screw
- 2 Idling stop screw
- 3 Vacuum connection
- 4 Throttle lever with slotted hole to attach bowden cable
- 5 Fastening clip for bowden cable
- 6 Glow plug
- 7 Power lead
- 8 Ground cable

Installation:

If the old intake line is reinstalled, check whether the flange surfaces are warped (refer to Job No. 14-3, Section B).

5. Mount intake line with new seals to cylinder head of **OM 636**. Make sure that the seals don't slip and that **the holes in the intake pipe are not covered**. Glue seals to fastening flange with a viscous grease and place intake line carefully in position. Tighten intake line uniformly to prevent warping. Use washers for bolts. Attach ground cable (8) with second bolt (refer to Figure 14-1/1).

Mount intake line of **OM 621** while simultaneously attaching the holder for the vacuum line.

A damaged or compressed seal requires removal of the exhaust manifold for replacing seal (see Job No. 14-5).

6. Attach linkage and bowden cable for idling control. Set idling speed on throttle duct (see Job No. 00-11, item a) and adjust bowden wire (see Job No. 00-11, item b).
7. Connect vacuum line (3) to throttle duct, use new sealing rings, if required (Figure 14-1/1).
8. Set air filter on throttle duct and attach with clip and fastening bolt.