

Removal and Installation of Exhaust Manifold

Job No.

14-5

Removal:

1. Apply oil to rusty screws and nuts.

On installed engines, remove the exhaust pipe from the exhaust manifold.

Remove the exhaust manifold from the cylinder head after loosening and/or un-

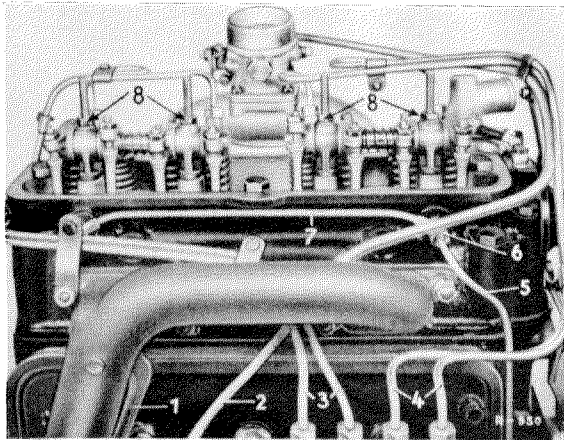


Figure 14-5/1

OM 636

- 1 Screen for exhaust manifold
- 2 Vacuum line
- 3 Injection line for cylinder 3 and 4
- 4 Injection line for cylinder 1 and 2
- 5 Oil line from main oil duct to cylinder head for rocker arm lubrication
- 6 Connection on 1st rocker arm bracket
- 7 Oil line to 4th rocker arm bracket
- 8 Spray oil exit from grooves in the rocker arm brackets

screwing of the fixing nuts (see Figure 14-5/1).

Installation:

2. Restore working ease of the thread of the fixing studs and nuts. Always replace damaged screws and nuts. Use only copper-plated self-locking nuts with the designation M 10 AGGN 14441.

3. **On the OM 636** install new gaskets and fix the exhaust manifold to the cylinder head.

On the **OM 621**, mount the exhaust manifold. If, however, the gasket is damaged or pressed, it is necessary to remove the intake line for replacing the gasket (see Job No. 14-1).

On installed engines, fix the exhaust pipe with a new sealing ring to the exhaust manifold.

Special care has to be taken during the mounting of the exhaust manifold; make sure that the screws of the three-way flange are tightened evenly (casting, danger of breaking).

4. After the first warm-up of the engine tighten again all nuts and screws of the exhaust manifold.