

DISASSEMBLING AND ASSEMBLING ENGINE

2 EN

Special Tools:

- P 1 a Electric piston heater
- P 2 Piston pin drift
- P 3 Spark plug socket
- P 5 15 mm SW socket 1/2 in. drive
- P 8 a Piston ring compressor, 82.5 mm dia. (3 1/4 in.)
(for 1600 and 1600 S)
- P 23 Carburetor wrench, 12 mm SW
(for 1600 S)
- P 42 Torque wrench 50 mkg (360 ft. lb.) capacity,
to loosen and tighten flywheel gland nut
(25 mm hexagonal drive for P 44)

- P 43 Puller for V-belt pulley
- P 44 36 mm SW socket 25 mm hexagonal drive
to loosen and tighten flywheel gland nut.
- VW 102 T-handled 14 mm SW wrench for crankcase
nuts
- VW 106 T-handled 10 mm SW wrench for oil pump
and oil sump cover
- VW 118 Torque wrench 6 mkg (44 ft. lb.) capacity,
general purpose
- VW 126 a Fuel pump wrench
- VW 307 Fixture for engine and gearbox

Disassembly

It is suggested that the engine be dismantled in the following sequence:

1. Drain engine oil.

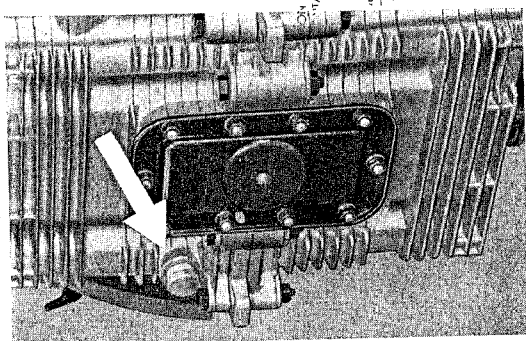


Fig. 25

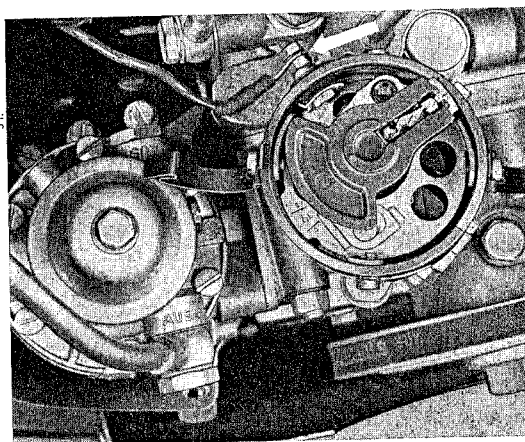


Fig. 27

2. Remove front, rear, and side duct plates (3 EN).
3. Remove muffler with heater assembly (10, 11 EN).

5. Remove air filter.
6. Remove fuel lines and throttle linkage.
7. Remove carburetor.

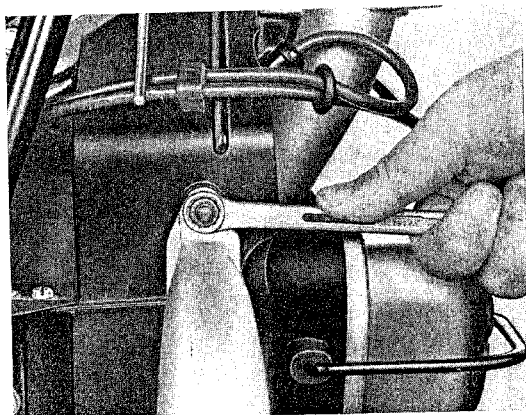


Fig. 26

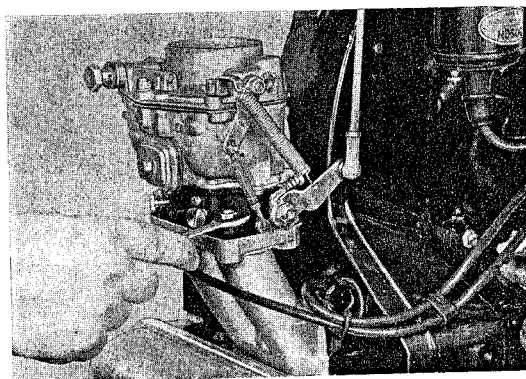


Fig. 28