

SCHEMATIC REPRESENTATION

Oil system immediately after starting the engine

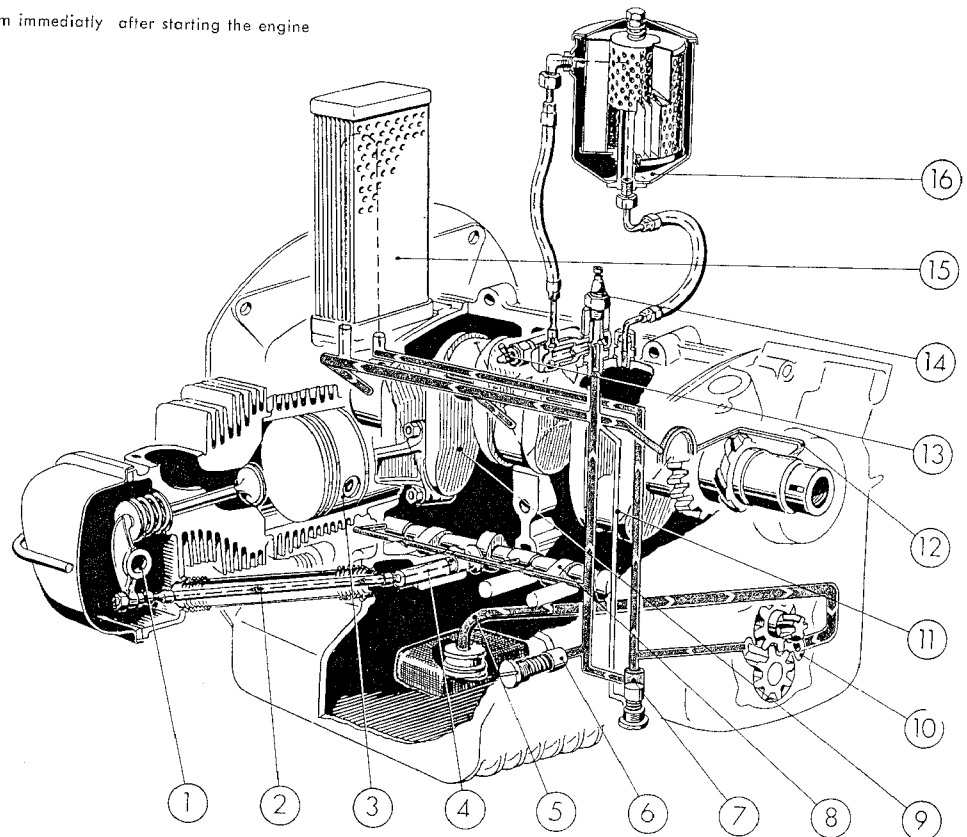


Fig. 10

- ① Rocker arm
- ② Push rod
- ③ Piston
- ④ Tappet
- ⑤ Oil suction pipe

- ⑥ Pressure relief valve
- ⑦ By-pass valve
- ⑧ Camshaft
- ⑨ Crankshaft
- ⑩ Oil pump

Description of Oil System

The cold oil is drawn from the crankcase by the oil pump and is sent to the by-pass valve which opens at approx. 1.3 atu (18.5 psi) whereby the piston moves to its lowest position. At this time the oil flows directly to the lubrication points without first passing through the oil cooler. The pressure relief valve (6) allows in excess of 2.9 atu (41.2 psi) pressure to return directly into the oil sump.