

CB100, CL100, SL100 / CB125S, CD125S, SL125S

Fig. 54 ① Oil pump gear cover ② Oil pump body ③ Oil pump plate ④ Oil pump drive gear ⑤ Primary drive gear ⑥ Oil filter complete ⑦ Oil filter rotor cap ⑧ 18mm lock nut ⑨ Oil pump shaft ⑩ Pinion gear

5. OIL PUMP AND OIL FILTER

The oil pump is a trochoid type driven from the primary drive gear through the oil pump drive gear and supplies oil to all the rotating components.

The oil filter is mounted directly on the crankshaft. The impurities in the oil, due to its heavier weight, are deposited along the rib of the oil filter cap by centrifugal force and only the purified oil is allowed to be supplied to the various components of the engine.

Discharge volume . . . 2.4 l per min./10,000RPM

Lubricating system

The oil in the crankcase is picked up by the oil pump and pressure fed through the right crankcase where it is diverted into two routes. In one direction, it is routed through the passage in the right crankcase cover, oil filter and to the crankshaft. The other direction, the oil is routed through the passage in the cylinder head stud, to the cylinder head and then to the camshafts and rocker arms.

From the right crankcase, the oil is also supplied under pressure to the transmission.

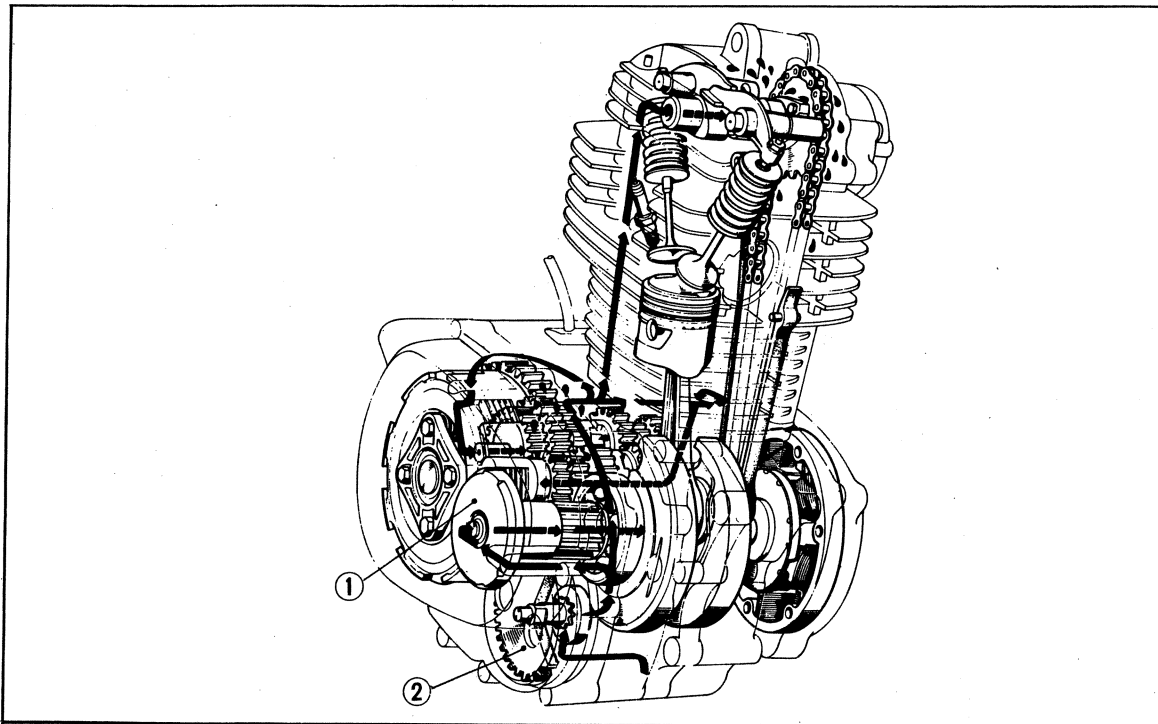


Fig. 55 Lubrication system
① Oil filter ② Oil pump