

3.13 CRANKCASE

A. Construction

The crankcase is an integral part of the transmission made in the right and left halves from aluminum alloy die casting. (Fig. 3.105)

The cylinder is mounted at the forward end and held in place by the cylinder head stud bolts screwed into the crankcase.

A breather compartment and a breather passage are incorporated in the upper section of both crankcase halves to dissipate the pressure built-up in the crankcase.

A cam chain tensioner is incorporated into the left crankcase half. In the forward lower section of the right crankcase is included an oil strainer and which together with the centrifugal filter purifies the lubrication oil which is pressure fed to the various components of the engine.

(BREATHERS)

The interior of the crankcase is continually under varying pressures, built up by the reciprocating piston, in addition, the crankcase is filled with the gases from the blow-by of the piston and the gases

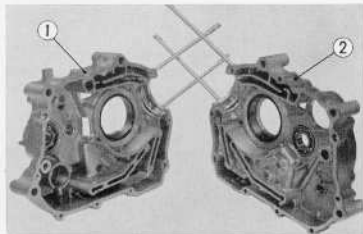


Fig. 3.105 Crankcases
① Left crankcase
② Right crankcase

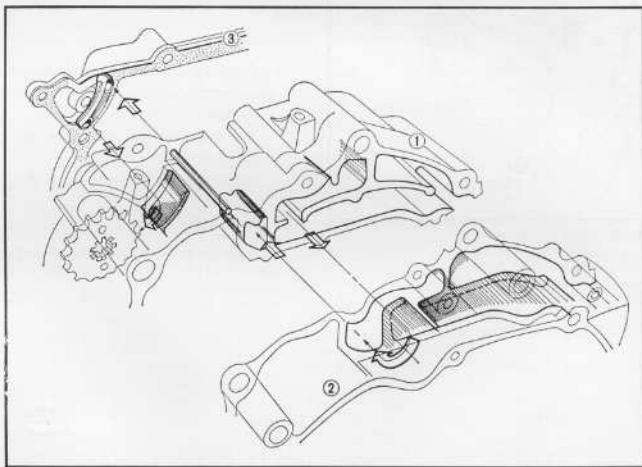


Fig. 3.106 Crankcase
① L. crankcase ② R. crankcase ③ L. crankcase cover