

2. OIL FILTER

A. Description

The engine oil is doubly filtered through the centrifugal filter and the mesh screen filter to assure clean supply of oil to the engine. (Fig. 3-67)

The screen filter is on the pump inlet side and the centrifugal filter is on the outlet side.

B. Disassembly

Remove the right crankcase cover in accordance with Section 3.4. B. For cleaning of the centrifugal oil filter, only the removal of the oil filter cover is required.

1. Grasp the rib of the oil filter cap ① with a plier and draw straight out. (Fig. 3-68)
2. Use a screwdriver and unlock the lock washer.
3. Remove the mounting nut with a special tool.
4. Pull off the oil filter rotor.

C. Reassembly

1. After cleaning of all the parts, perform the reassembly in the reverse order of disassembly.
2. Make sure that the 16 mm mounting nut is properly torqued and filter cap well seated.

3. OIL SEPARATOR

A. Operation

The oil separator ① is located in the forward section of the lower crankcase, directly below the crankshaft. Its primary function is to control the oil splashed by crankshaft counter weights, prevents oil penetration and controls the oil temperature. (Fig. 3-69)

3.6 CRANKCASE

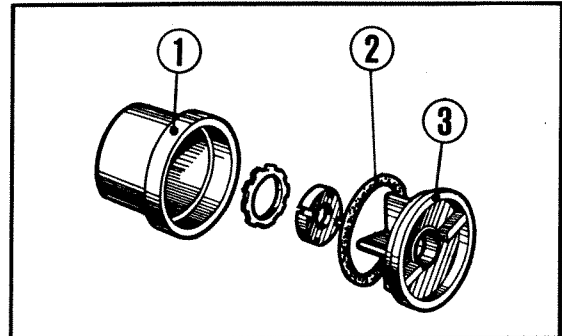
A. Description

The upper and lower crankcases are constructed of lightweight aluminum alloy and can be separated at the center lines of the crankshaft, transmission shaft, and the kick starter spindle.

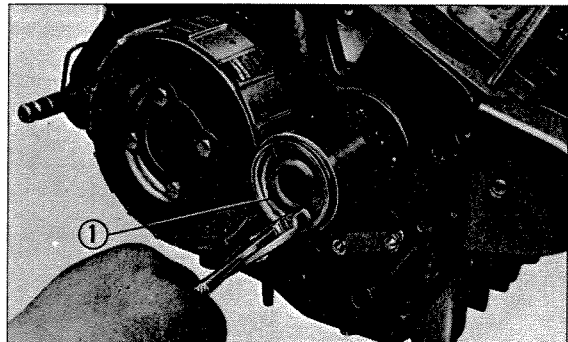
In addition, the starting motor is mounted at the front section of the CB175 crankcase.

In the upper surface of the upper crankcase, the cylinder stud bolts are inserted.

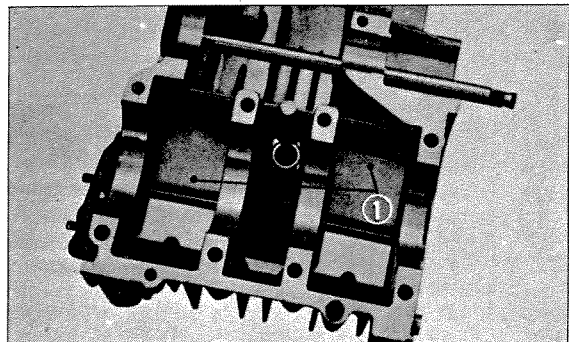
The lower crankcase is equipped with the oil separator, lower crankcase cover, and two drain plugs. (Fig. 3-70)



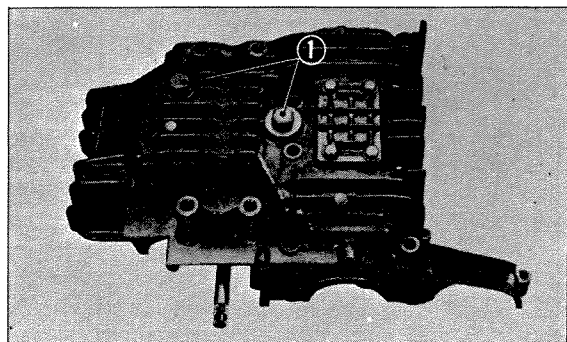
① Oil filter rotor ② 46×2 O-ring ③ Oil filter cap
Fig. 3-67. Oil filter



① Oil filter cap
Fig. 3-68. Removing the oil filter cap



① Oil separator
Fig. 3-69. Lower crankcase



① Drain plug
Fig. 3-70. Drain plugs