

# **BSA SERVICE SHEET No. 603**

## **"B" "C" and "M" Group Models**

October, 1948.

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### **THE LUBRICATION SYSTEM**

The engine lubrication system is of the dry sump type operated by a double gear pump, situated in the bottom of the crankcase on the right-hand side. All oilways are internal except for the supply and return pipes from the tank. The oil flows from the tank—through the filter in the tank—to the supply portion of the pump and thence past the pressure valve *A* along the hollow mainshaft to the big-end bearing. In the case of "C" group machines oil passes through the timing side main bearing before passing into the hollow mainshaft (see Fig. M4).

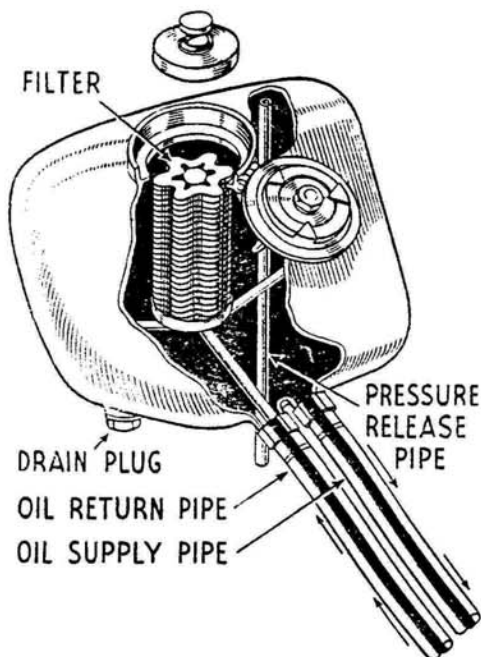
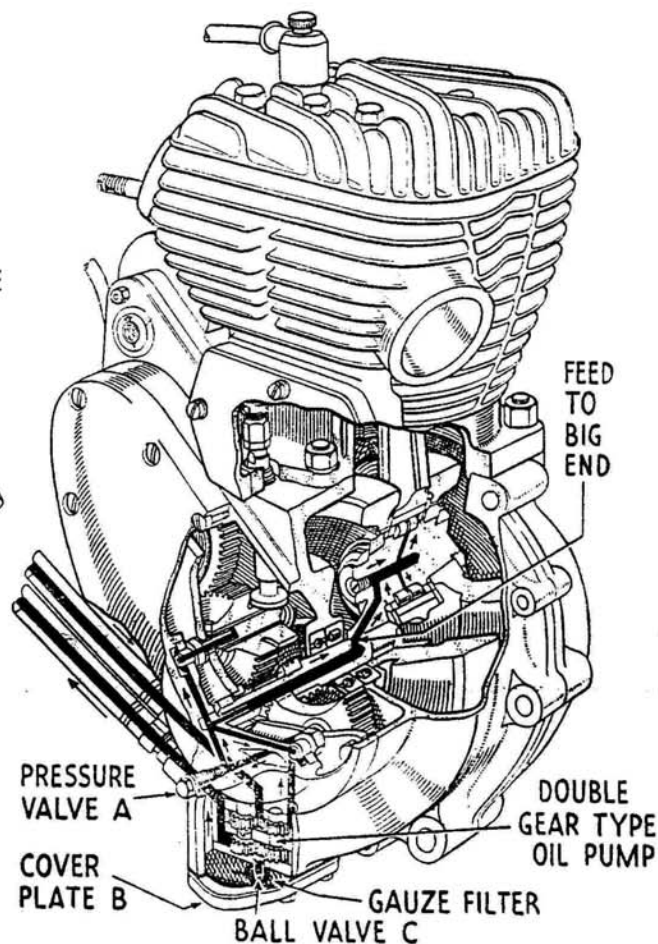


Fig. M3. The Lubrication System  
Models M20 and M21



After lubricating the big-end and circulating throughout the engine in the form of oil mist, the oil drains down, through a filter to the bottom of the crankcase from which it is drawn by the return pump past ball valve *C* and delivered up the return pipe to the tank.