

# HINTS AND TIPS ON — SERVICE —

For **BSA** and **ARIEL** Dealers

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## INFORMATION FROM BSA SERVICE DEPARTMENT

### CONNECTING ROD BEARING LUBRICATION ON ALL C15 AND B40 MODELS

#### PRECAUTION TO PREVENT CONN. ROD BEARING FAILURE

#### OIL PRESSURE RELEASE VALVE -- BALL AND SPRING TYPE;

This oil pressure relief valve is located in the crankcase at the front right side of the engine and shown in the Instruction Manual on page 15 - Figure 3 under "D".

Extensive engine tests at the factory have proven that too high oil pressure at the conn. rod roller bearings causes them to slide and generate heat to the extent that the roller cage expands resulting in bearing seizure or abnormal conn. rod bearing race and crankpin wear.

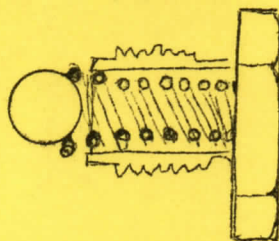
It has been found that the oil pressure at the conn. rod bearing will be too high when the oil pressure release spring is assembled wrong.

The oil pressure release spring must be assembled with the small diameter coils at the inside of the plug as shown in the sketch.

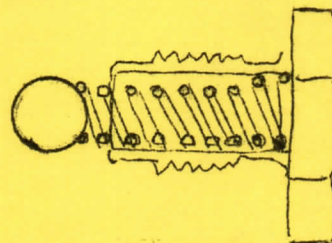
The ball must set inside the large diameter coil as shown.

IMPORTANT: YOU MUST remove the pressure release valve from every C15 - C15S - C15SS80 and B40SS90 you have on hand and have sold and make sure the spring is assembled properly.

RIGHT: Small Coils IN



WRONG: Small Coils OUT



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