

# HINTS AND TIPS ON —SERVICE—

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

Service Bulletin #144

September 20, 1963

## TO PREVENT IGNITION FROM RETARDING ON ALL C-15 AND B-40 MODELS

How to provide a positive lock for the "Ignition Timing" to prevent the distributor from rotating and retarding the spark resulting in excessive engine heat and exhaust pipe discoloration.

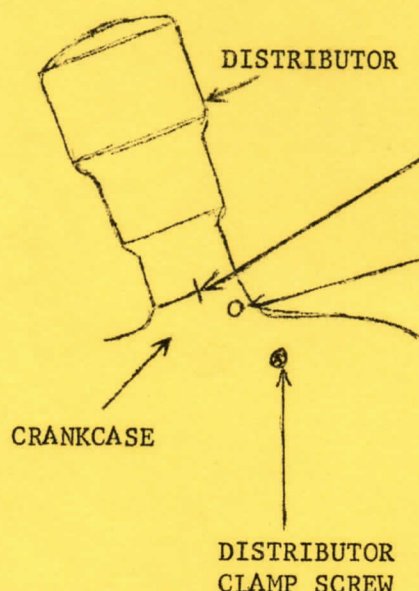
We recommend that you install this positive lock on all new C15 and B40 Models before they are sold and also on the used machines that come in your Shop.

- WHAT IS REQUIRED:
1. 1 - BSA Instruction Manual on C15 and B40 Models.
  2. 1 - #25 Drill and Hand Drill.
  3. 1 - 10-24 Threading Tap and Tap Handle.
  4. 1 - 10-24 1/4" Hex. Socket Set Screw.
  5. 1 - Hex. Socket Wrench to fit Set Screw.

(THE LAST FOUR ITEMS CAN BE OBTAINED FROM LOCAL HARDWARE STORE)

IMPORTANT: MAKE SURE THE IGNITION TIMING IS SET ACCORDING TO THE DIRECTIONS IN THE MANUAL.

## INSTRUCTIONS

- 
1. Set the ignition timing accurately and "MARK" the distributor and the crankcase with a small sharp chisel. Then loosen the distributor clamp screw and remove the distributor.
  2. Drill a hole central and square with the distributor mounting hole as low as possible in the radius on the crankcase. Use #25 drill.
  3. Thread the hole with a 10-24 tap.
  4. Insert a 10-24 1/4" long hex. socket set screw.
  5. Replace the distributor and set it on the "MARKS" - Tighten the distributor clamp screw.
  6. Lock the distributor in place by tightening the "set screw" with a hex. socket wrench.

When these simple operations are performed, the distributor will be locked firmly and there is no chance of the ignition timing retarding.

*Walter Brown*  
Walter Brown  
Service Manager

**BSA** Incorporated, 639 Passaic Avenue, Nutley N. J.