



## **BMC 'A' Series Engine**

### **Ignition setting and modification to distributor**

1. Remove the distributor from the engine.
2. Remove the bakelite cap rotor arm and top plate to expose the bob weights.
3. Mark the weights so that they can be returned to their respective positions after removal.
4. Examination of the weights will show that they are limited in their outward throw by a peg which is cast into the weight itself. This peg fits into a slotted hole, located beneath it when in position. Thus the maximum movement of the weight is controlled by the pegs movement with this slot.
5. The peg on the weight which carries the heavy spring must be bushed to further limit the movement. A 1/4" dia bush should be used, the centre hole of which must be a good fit on the peg.  
With the bush in position, lightly pean the head of the peg to hold the bush securely. On later distributors where the limit for the bob weights is in the form of a separate steel peg riveted to the bottom plate of the distributor a 5/16" bush should be used. This peg also anchors the spring.
6. Return the modified weight to its position in the distributor. Check that both weights and springs are fitted correctly.
7. Re-assemble distributor, check contact points and gap and return to engine.
8. Re- check the ignition setting and give 7 - 10 degrees static advance.

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