

## MAGNETO REPLACEMENT UNIT FITTING INSTRUCTIONS

### FOR PARALLEL TWINS & SINGLES

1. Mount coil(s) and amplifier on machine so they are not directly exposed to the weather, make sure the amplifier is not liable to touch easily any fixed parts.
2. Install wiring as shown in diagram taking care to ensure wires will not chafe or be trapped when petrol tanks etc. are replaced.
3. Remove magneto.
4. If an automatic advance/retard device is fitted this will have to be locked solid by, say, electric welding, or replaced with a plain pinion.
5. Ensure pinion and nut will fit onto tapered shaft and seat properly. Old parts which have been damaged should be repaired or replaced to prevent damage.
6. Fit magneto replacement unit to engine.
7. Set crankshaft at maximum ignition advance position.
8. Set magneto replacement unit shaft with reluctor 5 mm. from pickup using spacer supplied. Check that rotation direction is correct.
9. Fit pinion and nut onto shaft. Remove timing spacer before tightening nut. Do not tap pinion to lock on to shaft as bearing damage will result causing premature failure. (Bearing life will normally be indefinite).
10. With crankshaft at maximum advance, recheck that the reluctor to pickup gap is 5 mm. by moving pickup plate with pillar studs slackened off.
11. Secure pillar studs, replace covers etc. and start engine.  
  
Note The grommet must be turned 180° clockwise or anti-clockwise to position the radiused side of the grommet in the cover slot. Check that the cables will be clear of the reluctor when the cover is then fitted on.
12. If timing marks exist ignition can be checked used a stroboscope at 6,000 r.p.m., but this is not essential.

JDC/105

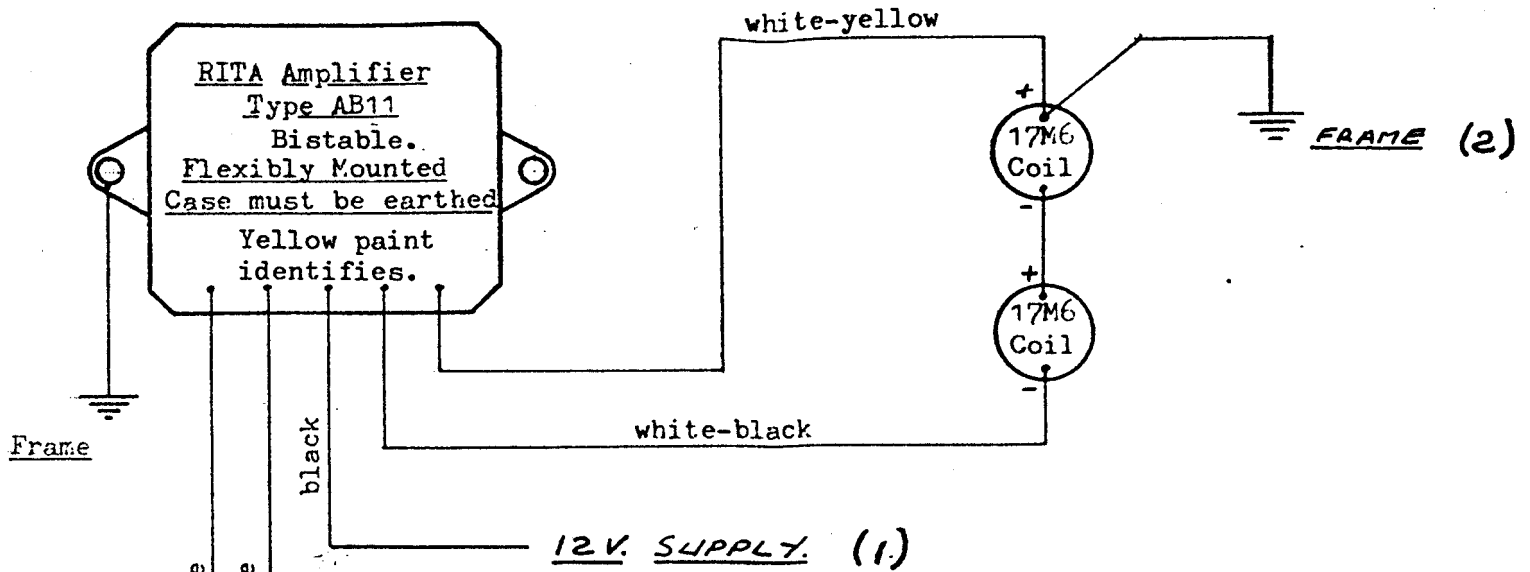


WIRING SHOWN FOR POSITIVE EARTH.

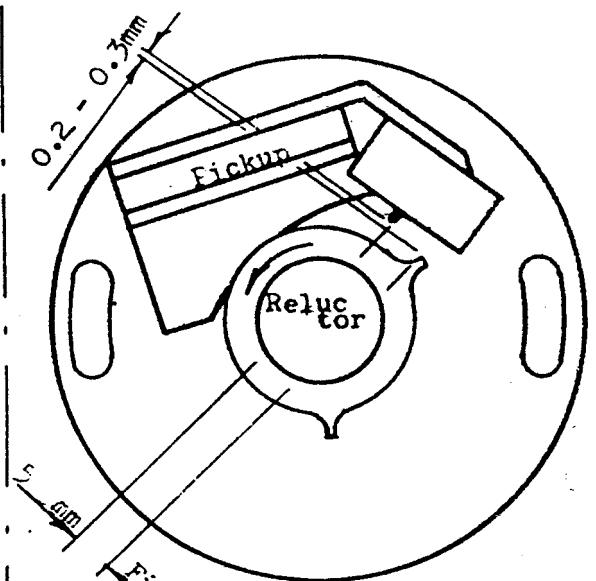
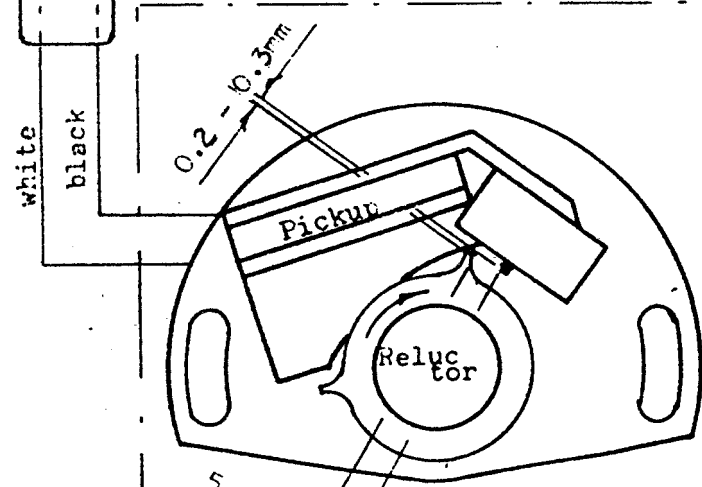
FOR NEGATIVE EARTH PLEASE NOTE :

(1) REMOVE POWER FEED FROM BLACK WIRE & EARTH THE BLACK.

(2) REMOVE EARTH LINK FROM COIL POSITIVE & REPLACE WITH 12V. POWER FEED FROM SWITCH.



**NOTE**  
 The amplifier can be damaged if the H.T. voltage does not go to earth.  
 Therefore do not exceed a 5mm. air gap if testing coil H.T. output.



Firing position at full advance  
 Set with spacer supplied.

Firing position at full advance  
 Set with spacer supplied.

**2-CYLINDER  
 MAGNETO  
 REPLACEMENT.  
 WIRING &  
 TIMING  
 DIAGRAM.**