

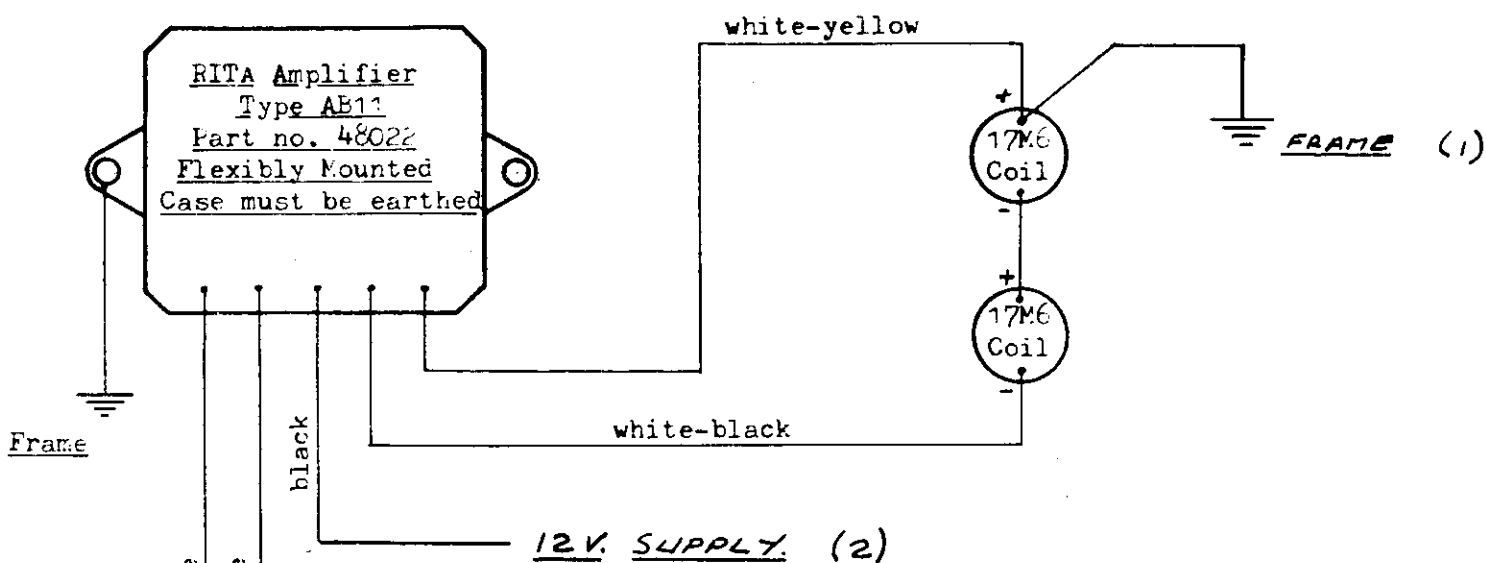
Mistral Engineering

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MAGNETO REPLACEMENT UNIT FITTING INSTRUCTIONS

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 chaff 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 5.5mm from pickup using spacer supplied. Check that rotation direction is correct.
9. Fit pinion and nut on to 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 check reluctor - pickup gap is 5.5mm by moving pickup plate with pillar studs slackened off.
11. Secure pillar studs, replace covers etc and start engine.
12. If timing marks exist ignition can be checked using a stroboscope at 6000 r.p.m.

RITA Amplifier
Type AB11
Part no. 48022
Flexibly Mounted
Case must be earthed

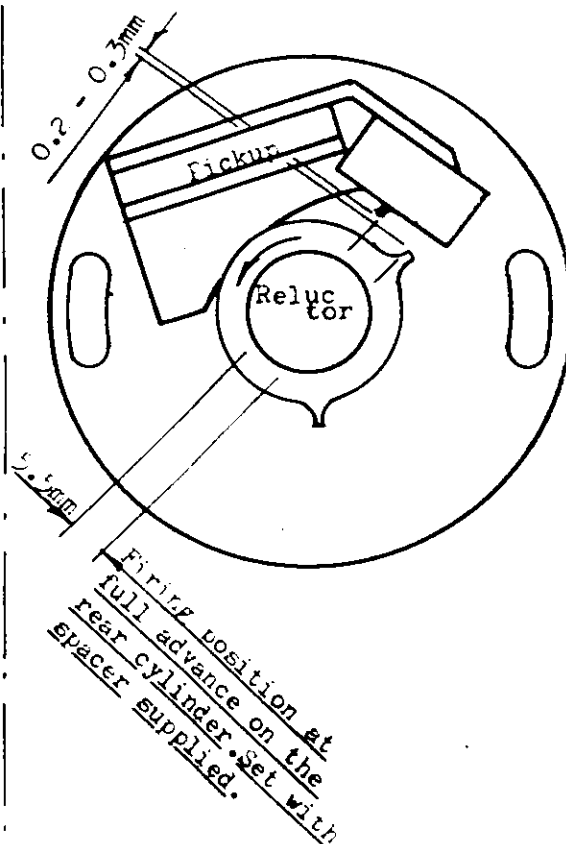
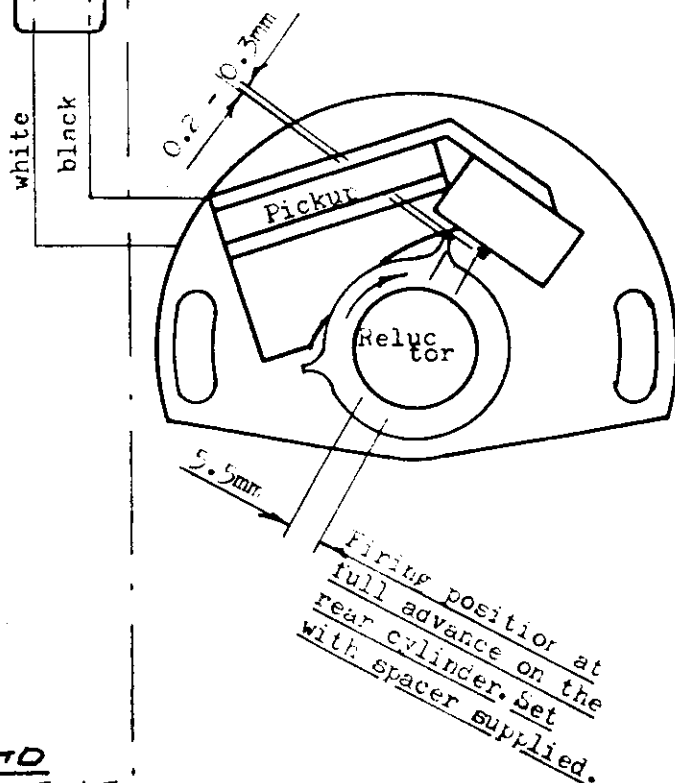


POSITIVE EARTH SHOWN.
FOR NEG. EARTH - REVERSE
FUNCTIONS 1 & 2.

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.



MAGNETO
REPLACEMENT.
WIRING &
TIMING
DIAGRAM.