



BOYER BRANDSEN ELECTRONICS LIMITED

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KIT00065 Fitting Instructions for Single Cylinder Alternator Powered Ignition System With Electronic Advance/Retard

For Triumph/BSA Unit Singles with Points in the Side Casing

Comprising:

- Electronic Ignition Box (BOX00012)
- Stator Plate – round printed circuit board (STA00152)
- Magnetic Rotor – metal circular unit with two magnets (ROT00118)
- Two 1.25 x 0.25" BSF/UNF Cap Head Screws
- 6 x Female Spades, 2 x Male Spades, 6 x Male Bullets, 4 x Female Bullets, 1 x 6.5mm Ring Terminal

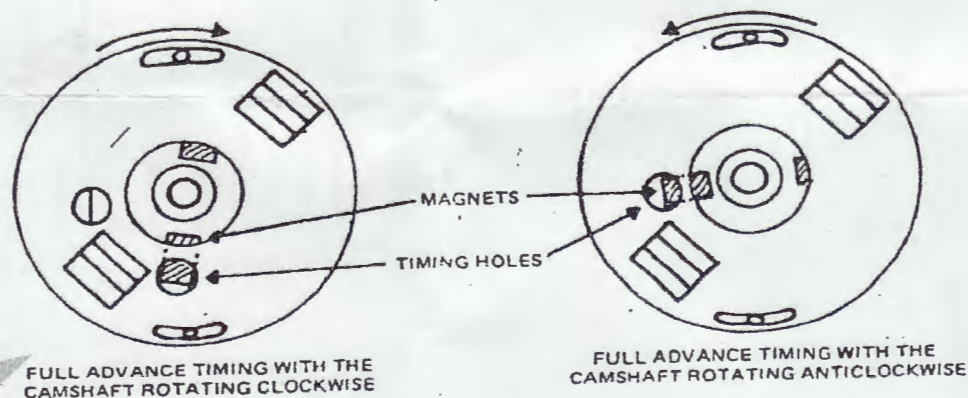
You will also require one 12 volt ignition coil – Lucas type 17P12 or equivalent.

Use a strobe lamp with a 12 volt battery for timing.

To Fit:

1. Mount the ignition box in a cool position, this can be out of the air flow but must not be in foam rubber.
2. Wire up as per the diagram using only good quality automotive cable. Loom up all wires and run the two stator wires apart from the main wiring (Black-White / Black-Yellow).
3. Set the engine on its full advance timing point i.e. (30/40 degrees). Mount the rotor and stator as per figure 2. Check the valves are closed and the piston is coming up to TDC as the unit fires every 180 degrees camshaft, every 360 degrees crankshaft.
4. Strobe time at 4500 rpm. Adjustment of the stator advances or retards the timing. The electronic advance is approx 20 degrees crankshaft from 1000 rpm to 4500 rpm. If strobe timing is not possible, static time and road test making small changes until the best position is obtained. This is normally as far advanced before pinking sets in.

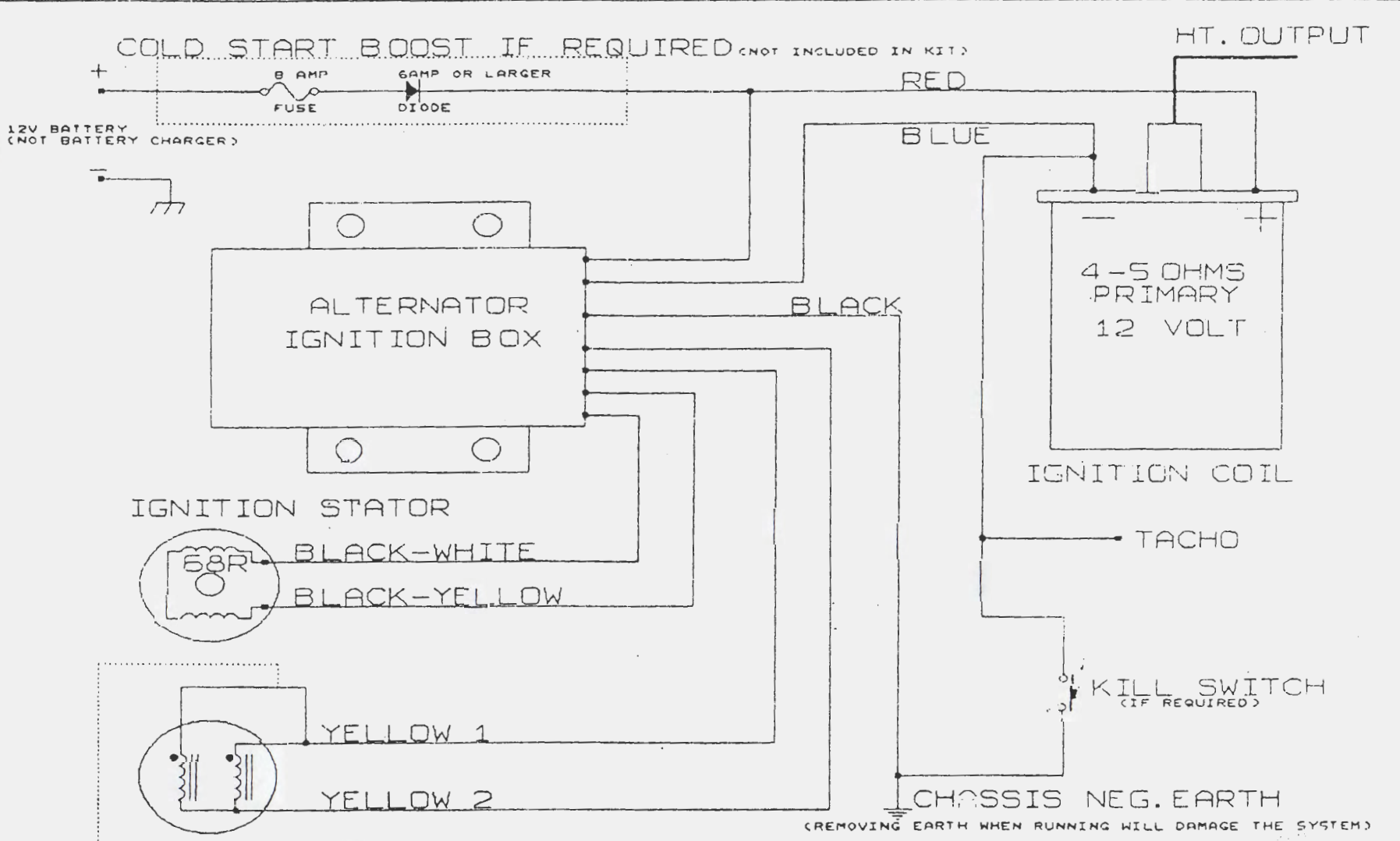
Fig. 2



Boyer Bransden Ignitions

Electrifying Performance

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Registered Number: 1087017



ALTERNATOR NOTE.

FOR THREE WIRE ALTERNATORS JOIN TWO WIRES AS FOLLOWS:-

GREEN/YELLOW TO GREEN/BLACK-YELLOW 1	GREEN/WHITE-YELLOW 2
GREEN/YELLOW TO DARK GREEN-YELLOW 1	LIGHT GREEN TO YELLOW 2
MID GREEN TO DARK GREEN-YELLOW 1	LIGHT GREEN-YELLOW 2

BOYER BRANSDEN ELECTRONICS Ltd.	
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Title SINGLE CYL. ALTERNATOR POWERED IGNITION UNIT	
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Date:	May 8, 1996 Sheet 1 of 1