



BOYER BRANSDEN ELECTRONICS LIMITED

Frindsbury House, Cox Street, Detling
Maidstone, Kent ME14 3HE

Telephone: 01622 730939

Facsimile: 01622 730930

Website: www.BoyerBransden.com

Email: Mail@BoyerBransden.com

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

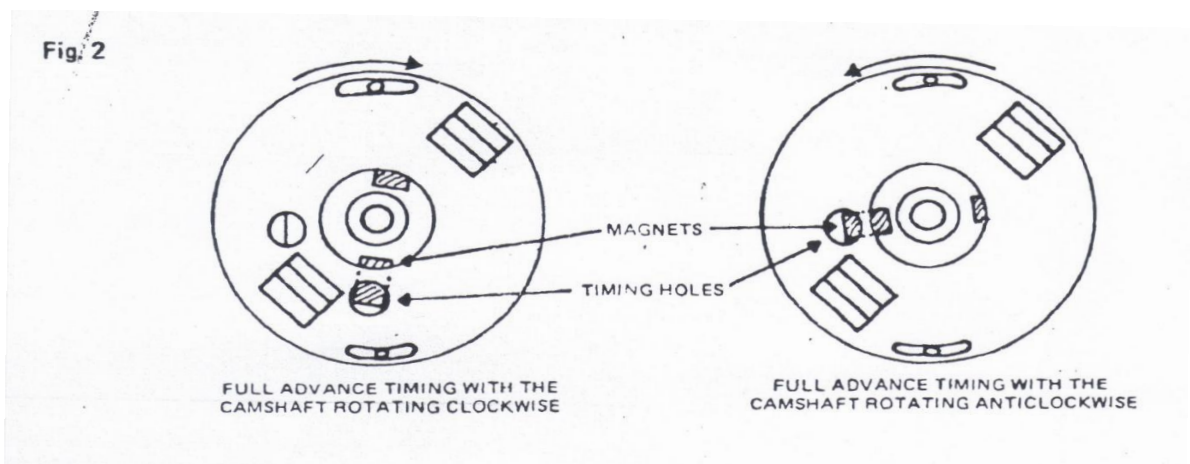
Comprising:

- 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.

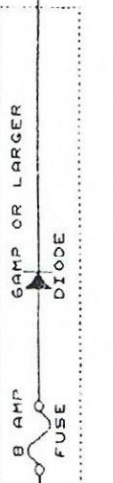
To Fit:

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.

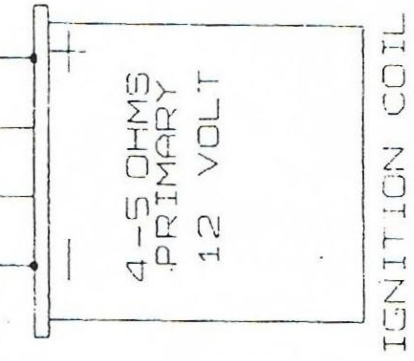


HT. OUTPUT

COLD START BOOST... IF REQUIRED (NOT INCLUDED IN KIT)



12V BATTERY (NOT BATTERY CHARGER)



IGNITION COIL

TACHO

ALTERNATOR IGNITION BOX

IGNITION STATOR

BLACK-WHITE
BLACK-YELLOW

YELLOW 1
YELLOW 2

KILL SWITCH (IF REQUIRED)

CHASSIS NEG. EARTH

(REMOVING EARTH WHEN RUNNING WILL DAMAGE THE SYSTEM)

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.
FRINDSBURY HOUSE
COX LANE
DETLING MAIDSTONE
KENT ME14 3HE

Title	SINGLE CYL. ALTERNATOR POWERED IGNITION UNIT
Size	Document Number
A	ALIGN.MIR
Date	May 8, 1996 Sheet 1 of 1