

ALTERNATOR POWERED IGNITION SYSTEM FOR TRIUMPH/BSA UNIT SINGLES WITH POINTS IN THE SIDE CASING.

FITTING INSTRUCTIONS FOR SINGLE CYLINDER ALTERNATOR POWERED IGNITION SYSTEM WITH ELECTRONIC ADVANCE/RETARD.

COMPRISING:-

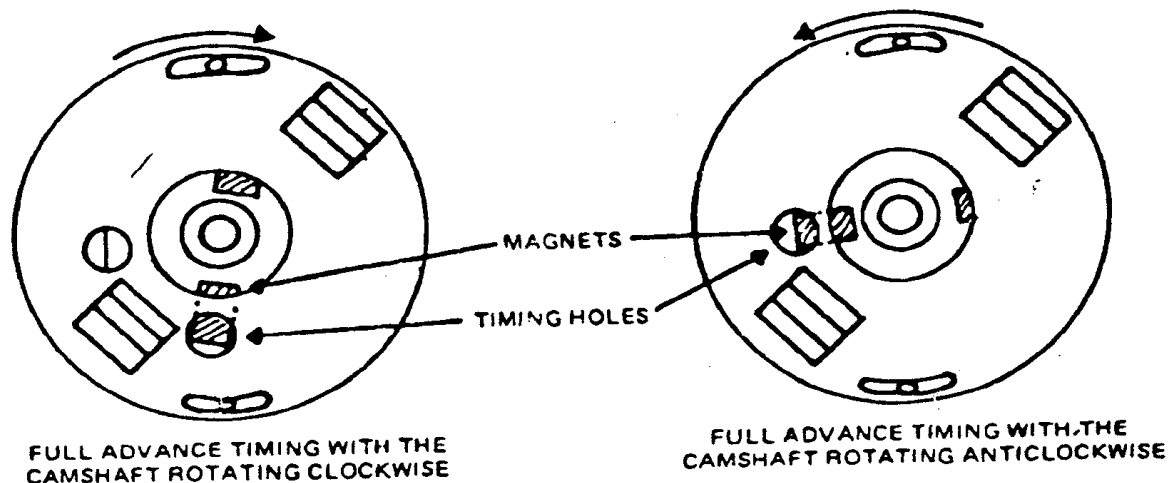
- a) IGNITION ELECTRONICS BOX
- b) STATOR PLATE (round printed circuit board) And wiring loom
- c) MAGNETIC ROTOR (plated steel unit with two magnets)
- d) TWO 1.25x0.25"BSF/UNF CAP HEAD SCREWS
- e) 6xFEMALE SPADES, 2xMALE SPADES, 6xMALE BULLETS, 4xFEMALE BULLETS, 1x6.5mm RING TERMINAL.

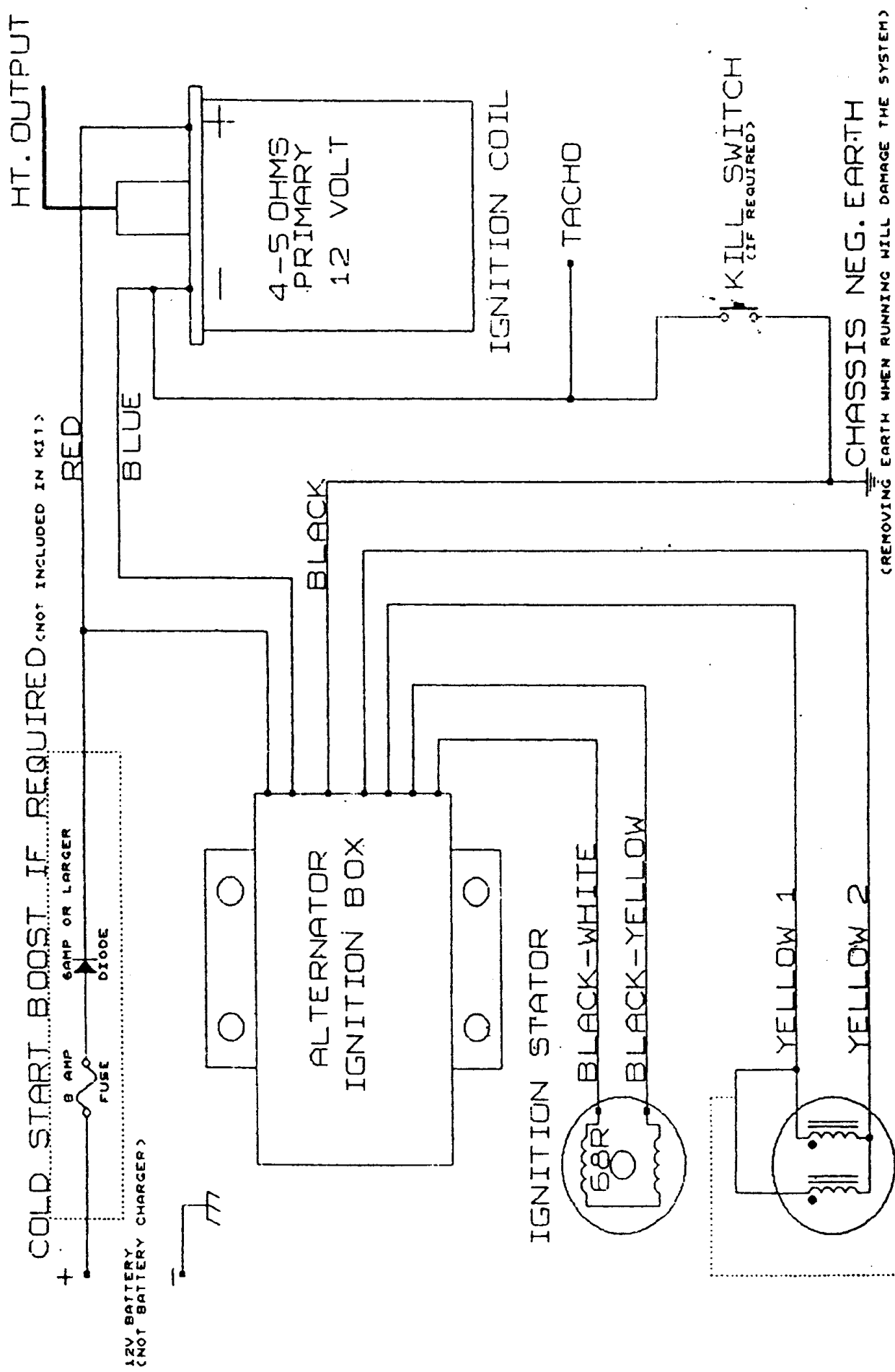
YOU WILL ALSO REQUIRE 1 off 12 VOLT IGNITION COIL LUCAS 17P12 OR EQUIVALENT 12 VOLT COIL CAN ALSO BE USED WITH THIS SYSTEM.

A WHITE LIGHT STROBE LAMP WITH A 12 VOLT BATTERY OR IT CAN BE POWERED FROM THE RED IGNITION BOX WIRE WHEN THE ENGINE IS RUNNING.

- 1) MOUNT THE IGNITION BOX IN A COOL POSITION THIS CAN BE OUT OF THE AIR FLOW BUT NOT IN FOAM RUBBER.
- 2) WIRE UP AS PER THE DIAGRAM USING ONLY GOOD QUALITY AUTOMOTIVE CABLE. LOOME 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 ie(30/40deg.) MOUNT THE ROTOR AND STATOR AS PER FIG 2 & 3 CHECK THE VALVES ARE CLOSED AND THE PISTON IS COMING UP TO TDC AS THE UNIT FIRES EVERY 180deg. CAMSHAFT EVERY 360deg. CRANKSHAFT.
- 4) STROBE TIME AT 4500 RPM. ADJUSTMENT OF THE STATOR ADVANCES OR RETARDS THE TIMING. THE ELECTRONIC ADVANCE IS APPROX. 20 deg. 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





COLD START BOOST IF REQUIRED (NOT INCLUDED IN KIT)

12V BATTERY (NOT BATTERY CHARGER)

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

CHASSIS NEG. EARTH
 (REMOVING EARTH WHEN RUNNING WILL DAMAGE THE SYSTEM)

BOYER BRANSDEN ELECTRONICS LTD. FRINDSBURY HOUSE COX LANE DETLING MAIDSTONE KENT ME14 3HE	
Title	SINGLE CYL. ALTERNATOR POWERED IGNITION UNIT
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