

ALTERNATOR POWERED IGNITION SYSTEM FOR TRI/BSA & NORTON TWINS WITH POINTS IN THE SIDE CASING.

FITTING INSTRUCTIONS FOR 2 CYLINDER ALTERNATOR POWERED IGNITION SYSTEM WITH ELECTRONIC ADVANCE/RETARD.

COMPRISING:-

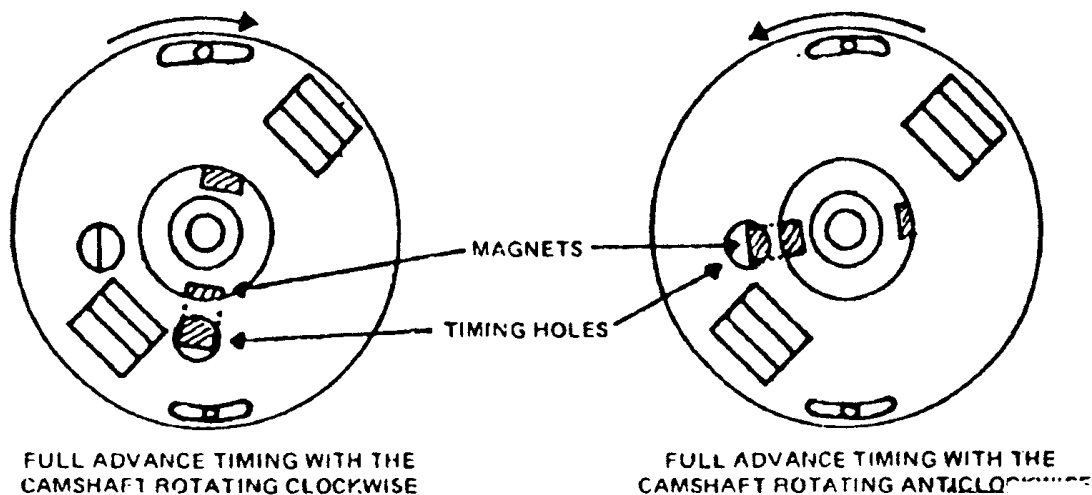
- a) IGNITION ELECTRONICS BOX
- b) STATOR PLATE (round printed circuit board)
- c) MAGNETIC ROTOR (plated steel unit with two magnets)
- d) ONE COIL LINK WIRE AND STATOR LOOM
- e) TWO 1.25x0.25"BSF/UNF CAP HEAD SCREWS
- f) 6xFEMALE SPADES 2xMALE SPADES, 6xMALE BULLETS, 4xFEMALE BULLETS, 1x6.5mm RING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

YOU WILL ALSO REQUIRE 2 off 6 VOLT IGNITION COILS LUCAS TYPE 17F6 OR EQUIVALENT. 12 VOLT COILS 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

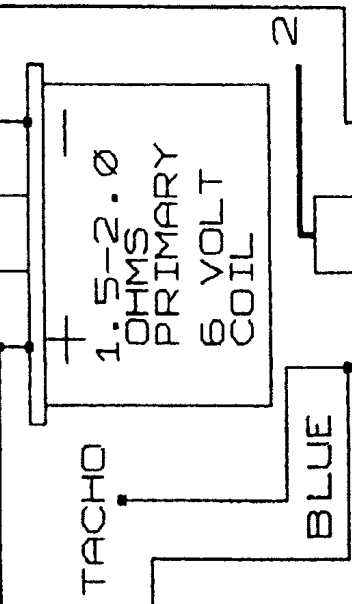


COLD START BOOST IF REQUIRED (NOT INCLUDED IN KIT)



12V BATTERY CHARGER
(NOT BATTERY CHARGER)

RED



TACHO

BLACK

ALTERNATOR
IGNITION BOX

IGNITION STATOR

BLACK-WHITE

BLACK-YELLOW

YELLOW 1

YELLOW 2

ONE DUAL OUTPUT 12 VOLT COIL
CAN BE USED WITH 5 OHMS RESISTANCE
WIRE TO BLUE AND RED EITHER WAY ROUND.

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.
FRIMSBURY HOUSE
COX LANE
DETLING MAIDSTONE
KENT ME14 3HE

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|---|--------------------------|
| Title | |
| THIN CYL. ALTERNATOR POWERED IGNITION UNIT. | |
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