

Fitting Instructions For Twin Cylinder Alternator Powered Ignition System With Electronic Advance/Retard

Comprising:

- a. Electronic Ignition Box (BOX00012)
- b. Stator Plate – round printed circuit board (STA00152)
- c. Magnetic Rotor – metal circular unit with two magnets (ROT00118)
- d. One coil link wire
- e. Stator plate extension wires—Black/White and Black/Yellow with sleeving
- f. Two 1.25 x 0.25” BSF/UNF Cap Head Screws
- g. 6 x Female Spades, 2 x Male Spades, 6 x Male Bullets, 4 x Female Bullets, 1 x 6.5mm Ring Terminal

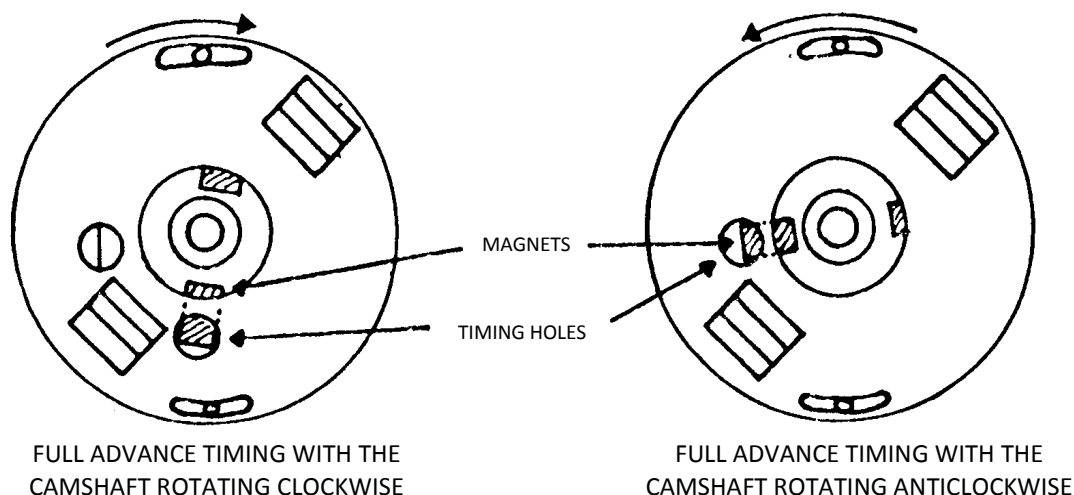
You will also require:

- Two 6 volt ignition coils – Lucas type 17P6 or equivalent. 12 volt coils can also be used.
- A white light strobe lamp with a 12 volt battery or it can be or it can be powered from the red ignition box wire when the engine is running.

To Fit:

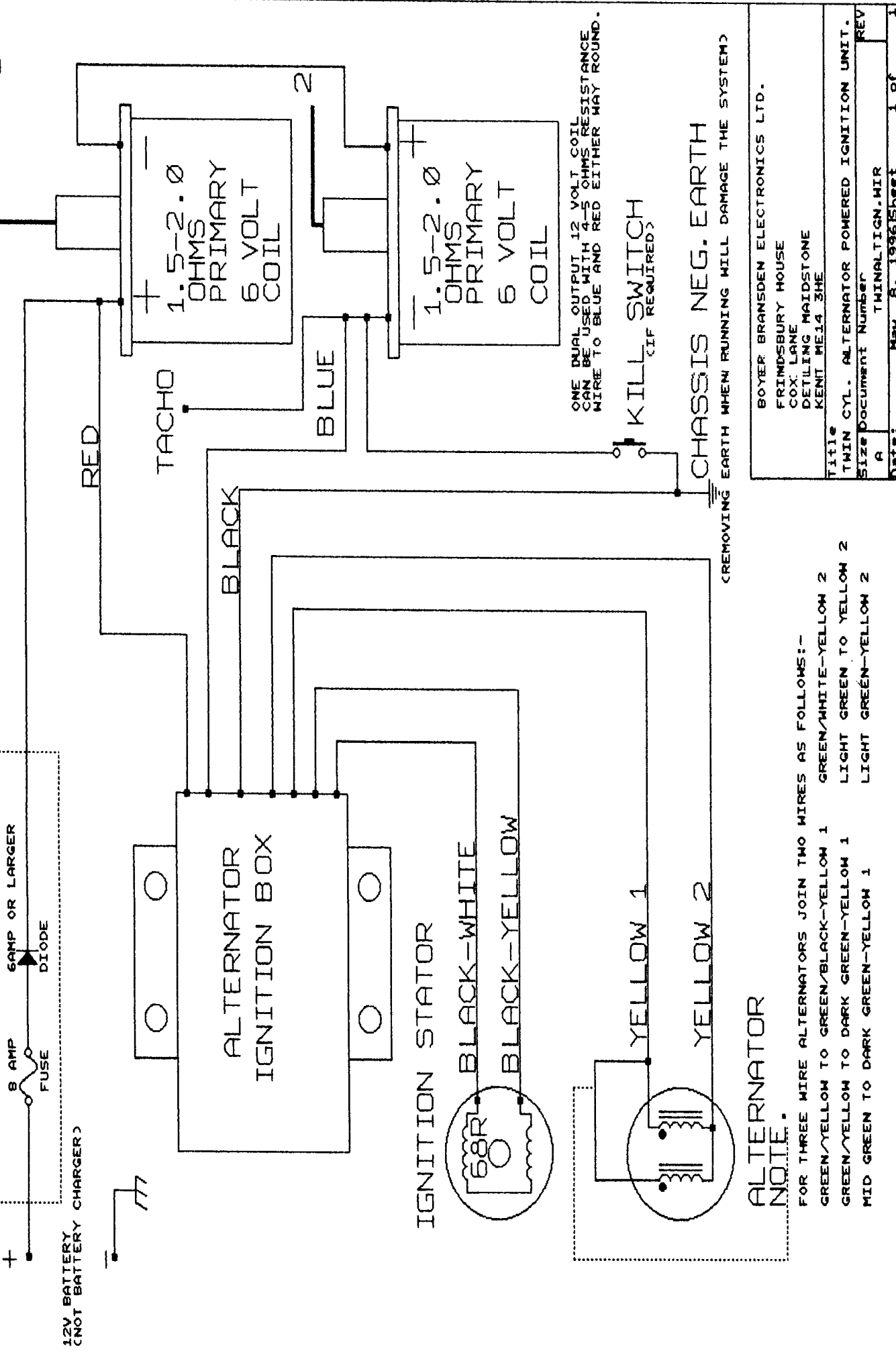
1. Mount the ignition box in a cool position, this can be out of the air flow but must not be in foam rubber.
2. Wire up as per the diagram using only good quality automotive cable. Loom up all wires and run the two stator wires apart from the main wiring (Black-White / Black-Yellow).
3. Set the engine 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



HT. OUTPUT 1

COLD START BOOST IF REQUIRED (NOT INCLUDED IN KIT)



ONE DUAL OUTPUT 12 VOLT COIL CAN BE USED WITH 4-5 OHMS RESISTANCE WIRE TO BLUE AND RED EITHER WAY ROUND.

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

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