FITTING INSTRUCTIONS


2) SCREW THE MAGNETIC ROTOR ON TO THE 8mm STUD WITH LOCTITE, UNTIL THE THREAD IN THE ROTOR IS FULLY USED. ALLOW TEN MINUTES TO DRY.

3) PASS THE 8mm STUD AND ROTOR THROUGH THE CAMSHAFT FROM THE LEFT SIDE. FIT THE 8mm STEPPED SPACER, WASHER, LOCK WASHER ON TO THE RIGHT SIDE, FIT THE 8mm NUT, AND HAND TIGHTEN. SEE FIG. 1. PLACE A 13mm SOCKET OVER THE NUT AND SHARPLY TAP THE END, THIS WILL DRIVE THE RIGHT HAND BEARING BUSH HOME INTO THE CAMSHAFT BEFORE FULLY TIGHTENING THE ROTOR STUD.


6) WITH THE ENGINE SET IN THE FULL ADVANCE POSITION, SET THE STATOR PLATE HALF WAY ALONG THE SLOTTED HOLES AND TIGHTEN. LOosen THE 8mm NUT ON THE ROTOR STUD AND MOVE IT ROUND UNTIL ONE OF THE MAGNETS IS UNDER THE ANTICLOCKWISE (RIGHT HAND) TIMING HOLE, OFFSET AS IN FIG 1. FULLY TIGHTEN THE NUT.

7) REMOVE THE PETROL TANK. DISCONNECT AND REMOVE THE IGNITION COILS. USING A SMALL HACKSAW WITH CARE, CUT INTO THE SIDE OF EACH OF THE FRONT IGNITION COIL MOUNTING HOLES, FORMING TWO SLOTS. MOUNT THE DUAL OUTPUT IGNITION COIL AND HEATSINK ACROSS THESE SLOTS WITH THE NUTS AND WASHERS. LEAD THE THIN WIRES TO THE LEFT HAND SIDE, FIT THE PLUG CAPS AND ROUTE TO THE SPARK PLUG POSITIONS. SOME CUSTOMERS MAY FIND IT NECESSARY TO REPOSITION THE HORN DURING THIS INSTALLATION.

8) THE IGNITION UNIT CAN BE TIE STRAPPED TO THE TOP OF THE Coil MOUNTING FRAME TUBE, WITH THE WIRES ON THE LEFT, WIRE AS PER THE DIAGRAM. CUT WIRES AND FIT TERMINALS, MAKE GOOD CONNECTIONS AND TAPE UP WIRES.

9) REFIT PLUGS AND FUEL TANK. CONNECT STROBE LAMP AND START ENGINE. WARM UP AND STROBE TIME ON THE FRONT OR FULL ADVANCE MARK BY REVING UP THE ENGINE AND WATCHING THE TIMING MOVE UP TO THE MARK. ADJUST BY MOVING THE STATOR PLATE, IF NECESSARY MOVE THE ROTOR A LITTLE AND RETIGHTEN.

10) REMOVE STROBE AND REFIT ALL COVERS. THE TIMING IS NOW SET AND REQUIRES NO MAINTENANCE. SMALL ADJUSTMENT CAN BE MADE TO THE CARBURATION TO SET IDLE SPEED.

SEE OVER FOR DIAGRAMS
CIRCUIT DIAGRAM

HT 1

HT 2

WHITE

FRAME
EARTH
NEGATIVE

DUAL IGNITION
COIL 4.5 OHM.
PRIMARY.

ORANGE
RED/WHITE's
FROM IGNITION
SWITCH.

BLACK
RED

BLACK/
WHITE

STATOR PLATE
IN C.B. HOUSING

BLACK/
YELLOW

RED

TRI/BSA
DIGITAL
TWIN
UNIT

FIG 1. CAMSHAFT LAYOUT

MAGNETIC
ROTOR

MAGNET

WIRES

8mm NUT.

8mm STUD.

CAMSHAFT

STEPED SPACER,WASHER,LOCKWASHER.

6mmX30 CAP SCREW

SPACER

WASHER

LEFT SIDE

STATOR PLATE

RIGHT SIDE

PARTS LIST:-
1) TRI/BSA MICRO-DIGITAL IGNITION BOX
2) XS650 STATOR PLATE
3) XS650 MAGNETIC ROTOR
4) 8mm X 240mm LONG STUD
5) TWO 6mm x 30mm SOCKET CAP SCREWS
6) TWO 6mm FLAT WASHERS
7) TWO 11mm x 14mm ALUMINIUM SPACERS
8) ONE STEPPED 8mm SPACER,WASHER,AND LOCKWASHER.
9) ONE 8mm NUT
10) TWO TIE STRAPS AND TWO BULLET,ONE RING,TWO FEMALE SPADE TERMINALS.
YOU WILL ALSO REQUIRE A 12 VOLT DUAL COIL, HEAT SINK AND LARGE WASHERS,
STROBE LAMP, LOCTITE, BLACK PVC TAPE, TERMINAL CRIMPING PLIERS AND TOOLS.