



OPTRONIC IGNITION

FITTING INSTRUCTIONS

LUCAS MODEL DM2P4, 4 CYLINDER ANTI-CLOCKWISE WITH VACUUM, FITTED WITH LUCAS 423153 CONTACT BREAKERS.

Disconnect: Battery Earth Terminal
 Remove: Distributor from engine*
 Distributor Cap (9)
 Rotor (1)
 Contact Breaker Assembly (comprising contact breaker, wires, condenser, fixing screws & washers)
 LT Terminal Assembly
 Vacuum Plate Assembly

*Although this fitting kit can be installed whilst the distributor is fitted to the engine it is generally recommended that the distributor is removed for better access. Use the workshop manual procedure for removal of distributor.

NOTE. It is necessary to modify some of the original distributor parts to install this kit. This should not affect your ability to refit the contact breaker if desired.

1. Reduce the height of the brass pivot pin of the original plate to a maximum of 8mm to prevent the chopper fouling. Remove burrs and sharp edges.
2. Refit the vacuum baseplate assembly.
3. Fit optical switch to the original contact breaker mounting hole and pivot pin using the screw and washer provided (11).
4. Secure the optical switch wires at the condenser mounting point using the supplied P-clip and small screw.
5. Modify the LT terminal assembly by carefully drilling out the rivet that holds the wire and terminal together and removing them. The plastic block will be needed.
6. Refit the terminal block to the distributor and feed the optical switch wires through the hole.
7. Loosely fit the cable tie to secure the optical switch wires to the baseplate close to the wire exit.
8. Fit the chopper onto the distributor cam.
9. ENSURE THAT THE CHOPPER WILL ROTATE, THAT THE WIRES ARE SAFELY ROUTED AND CLEAR FROM THE ROTATING CHOPPER.
10. Check vacuum operation and finally secure wires by tightening the cable tie.
11. For the fitting of optical switch wires into the connector (13) (and subsequent removal if desired), see fitting instructions supplied with power module/optical switch.
12. Refit rotor (1). The 400051 rotor will require slight modification by carefully sanding the rear balance weight to allow clearance for the top of the optical switch.
13. Refit distributor cap (9) and distributor into the engine.
14. Refit battery earth terminal and set ignition timing to manufacturer's specification when the complete system is fitted.
15. Finally the optical switch wires may be secured into the terminal block using Silicone Sealant or similar for greater security.

