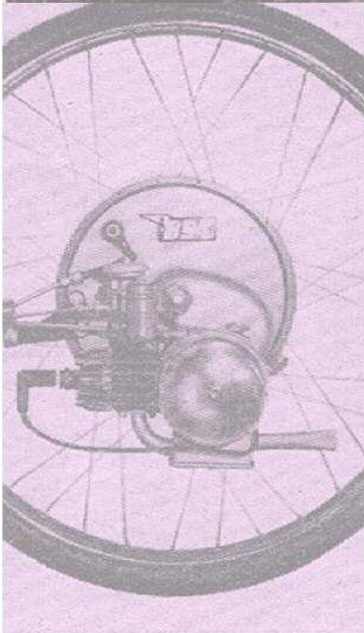


IceniCAM Information Service



www.icenicam.org.uk

LIGHTING COIL DATA SHEET

This Power Pak Bicycle Motor is fitted with a new type of Magneto incorporating a lighting coil which will supply you with ample power for both head and tail lamps.

RECOMMENDED BULBS.

Head Lamp (Ref. 9 or 55) 6 volt 6 watt 1.0 amp.
(Bayonet or Screw type fitting)

Tail Lamp (Ref. 429) 6 volt 1.8 watt 0.3 amp.
(Screw type fitting only)

Note: The correct head and tail bulb MUST be fitted. If the rate of EITHER is incorrect BOTH bulbs will be affected. If you are unable to obtain these bulbs please communicate with us

NOTE:

In order to prolong the life of the bulb, the Rear Lamp should NOT be fitted to any part of the motor (e.g. Lifting Handle and should be fitted to the bicycle frame or the rear mudguard. The Rear Number Plate also should not be fitted directly to the Motor if it has a built in Rear Lamp. The rear mudguard should be used as described in the Instruction Book.

FITTING.

Protruding from the back of the Magneto you will find a short lead (C) with a rubber sleeve (B), at the end of which is a small metal grommet. This grommet should be removed and fitted to the cycle lamp lead and then pressed well home into the rubber sleeve, thus forming a perfect connection. If an earth lead is provided with the cycle lamp set, this should be attached to any part of the Motor (i.e. the Back Plate Securing Nut (A.Fig.1.)). If an earth wire is not provided it should not be necessary to use one. However, if the lights are dull or intermittent, an earth wire may be connected from the Engine (i.e. the Back Plate Securing Nut) to the bicycle frame (i.e. the seat pillar bolt).

SERVICE.

General service is carried out as per the Instruction Book with slight modifications, which we give you hereunder.

CHECKING THE POINTS GAP.

Turn the Flywheel (D) until the words "Set Contact .018" are at 10 o'clock. The Contact Breaker Points will now be visible at the lower end of this inspection slot and are now in their fully open position and ready for checking. Note: The Gap should be set at .015" and not .018" as indicated.

TO SET THE POINTS.

Loosen the large Locking Screw situated immediately above the Contact Breaker Points. Turn the Adjusting Screw (immediately above the Locking Screw) in a clockwise direction to increase the points gap and anti-clockwise to reduce the Points gap. Check with your Gauge Set. When the correct setting (.015") has been obtained, re-tighten the Locking Screw and again recheck the points gap.

REPLACEMENTS.

The Contact Points are mounted as an assembly and the Plate Assembly must be changed when renewing. To remove the Condensor, slacken the Screw securing the small plate at the end of the Condensor Lead and slide the plate out. Remove the Condensor Clip Securing Screw which is holding the Condensor in position. The Condensor may now be withdrawn and the new one may be replaced. Should it be necessary to replace either the Lighting Coil Winding or the Ignition Coil Winding, this may be carried out as follows:-

Disconnect the appropriate wire connections. Bend the brass tag (K) upwards and slide the Coil off the Core (L). Replace the new Coil and reconnect the wire connections, making certain that the Coil is well home on the Core and the end of the Core is protruding beyond the face of the Coil so that the Coil does NOT foul the Flywheel. Bend the brass tag (K) back into position.

If the Timing Cam (M) is removed, make sure that the Spring is replaced on the Crankshaft before refitting the Timing Cam and that the arrow on the extreme edge IS FACING YOU, and pointing in a clockwise direction. Also ascertain that the Key is seated correctly in the Keyway. If these instructions are not followed the timing will be affected and the Motor will not function correctly. When replacing the Timing Cam make sure that the Fibre Heel which it operates is seated well down on the Timing Cam and not on its extreme edge. When correctly located, this Cam should bear against the inner face of the Flywheel central boss (N).