

Service Bulletin

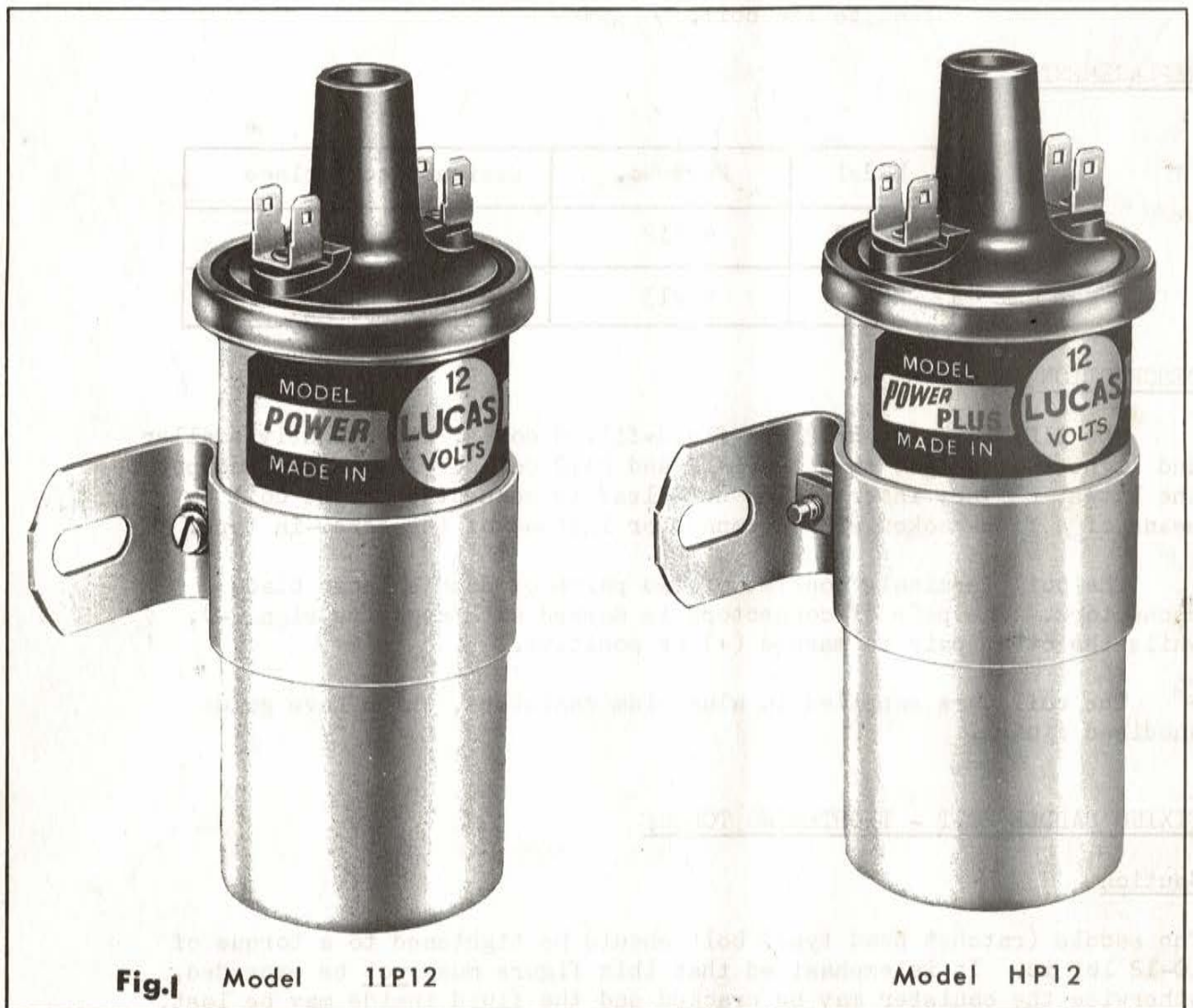
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GREAT HAMPTON STREET BIRMINGHAM 18
SB/IG/101

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IGNITION COILS

MODELS HP12 (No. 45212) AND 11P12 (No. 45213)

SERVICE REPLACEMENTS



Two new 12-volt ignition coils have been introduced as service replacements. These coils are identical in appearance. Figure 1 (a) shows the model 11P (or Power) coil, while Fig.1 (b) shows model HP (or Power Plus) coil. Further they closely resemble the 11C12 coil, which is now fitted as initial equipment on many popular cars (replacing the LA12 coil).

Among the new features of the 11P12 and HP12 coils are :-

1. Latest type of chimney insert.
2. A fish-hook shaped connector (supplied with the coils), used to connect the H.T. lead to the coil.

REPLACEMENTS

Model	Part No.	Designed to replace
11P12	45212	11C12, LA12
HP12	45213	HA12, PA12

DESCRIPTION

The 11P12 and the HP12 are fluid-filled coils, and slightly smaller and lighter in weight than the LA12 and HA12 coils. The coils incorporate the latest chimney insert. The H.T. lead is connected to the coil by means of a fish-hooked shaped connector instead of the screw-in type.

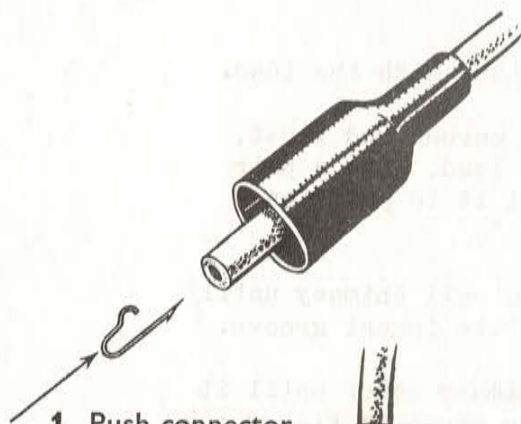
The coil terminals consist of two pairs of double Lucar blade connectors. One pair of connectors is marked with negative sign (-), while the other pair is marked (+) or positive.

The coils are supplied in aluminium canisters, which have gold anodised finish.

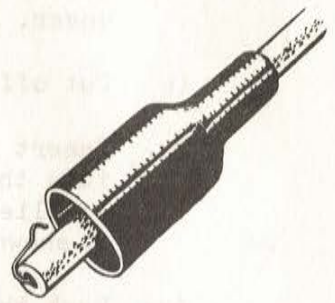
FIXING SADDLE BOLT - TIGHTENING TORQUE

Caution

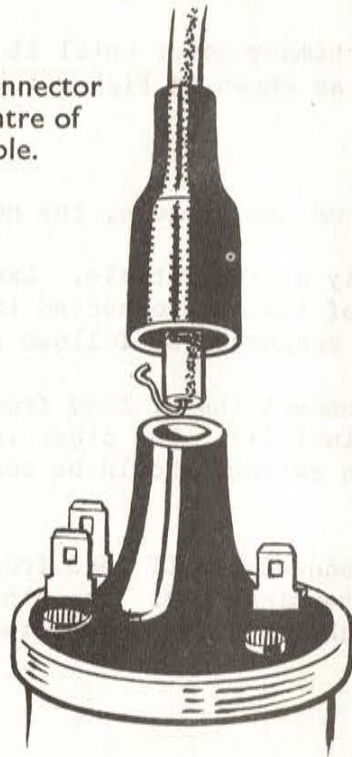
The saddle (ratchet head type) bolt should be tightened to a torque of 10-12 lbf in. It is emphasised that this figure must not be exceeded, otherwise the canister may be cracked and the fluid inside may be lost, resulting in coil failure.



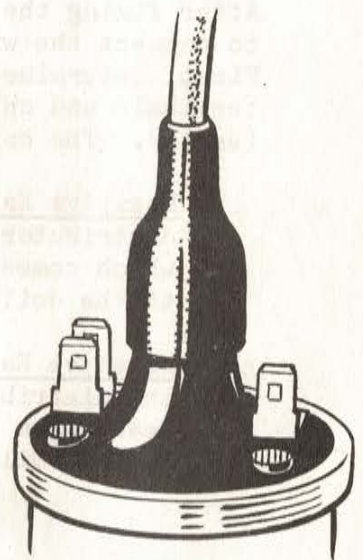
1. Push connector into centre of H.T. cable.



2. Connector in position.



3. Pull H.T. cable down into coil chimney until connector "clicks" into the insert groove.



4. Pull cover down over coil chimney.

Fig.2.

FITTING THE H.T. LEAD CONNECTOR

Figure 2 illustrates the method of fitting the 'fish-hook' type HT connector. The procedure is as follows :-

- (a) First remove the screw-in type connector and washer from the HT lead, and fit coil chimney cover, see illustration.
- (b) Cut off the bared wire, flush with the lead.
- (c) Insert the new connector, barbed end first, into the centre of the HT lead. With a pair of pliers push it in until it is positioned as shown in Fig. 2 : 2.
- (d) Push the HT lead down into coil chimney until the connector clicks into the insert groove.
- (e) Finally, pull down the chimney cover until it covers the coil chimney as shown in Fig. 2 : 4.

CONNECTING THE COIL IN CIRCUIT

After fixing the coil in position on the vehicle, the next step is to connect the wiring.

First, determine the earth polarity of the vehicle. Examine the battery terminals and check the polarity of the one connected to the vehicle body (earth). The coil should then be connected as follows :-

Positive Earthed Battery: Connect the LT lead from the distributor to the coil terminal (+). The other lead, which comes from the ignition switch, should be connected to the coil terminal (-).

Negative Earthed Battery: Connect the LT lead from the distributor to the coil terminal (-). The other lead (from the ignition switch) should be connected to the coil terminal (+).

Test Data

Model	Primary Winding Resistance at 20°C (Ohms)	Low Speed Test Gap		High Speed Test (Speed rev/min)	Supply volts (min) (max)	
		(mm)	(in)			
11P12	2.9 - 3.3	10.5	0.42	3,500	12	12.5
HP12	3.0 - 3.4	11	0.44	3,750	12	12.5