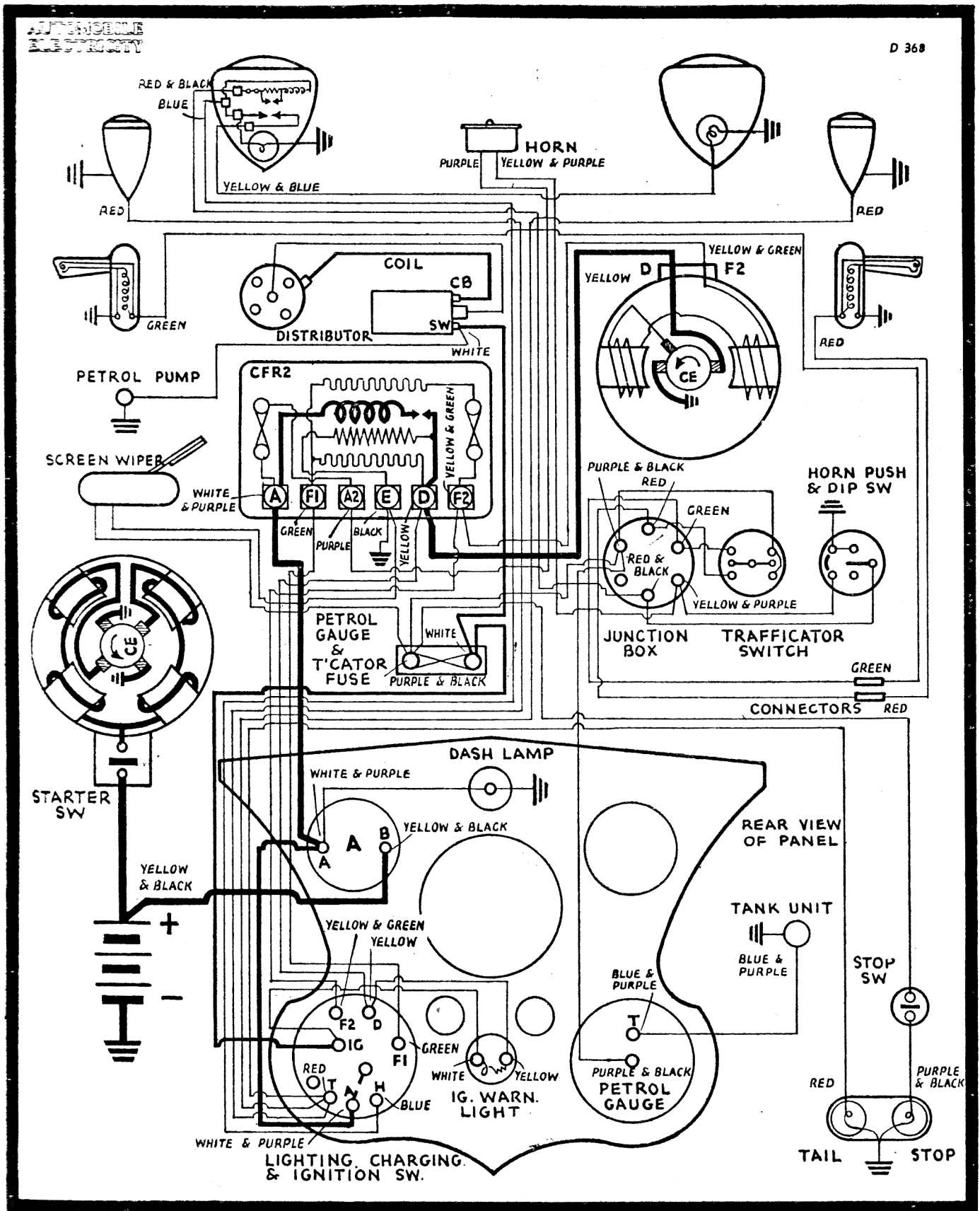




Automobile Electricity Wiring Diagram—D368



Morris 8, Series II

CABLES REQUIRED. Constant current earth-return in operation this set is one of the easiest to rewire. Other than tight and clean connections and cables of ample cross-section no precautions are necessary. Cables recommended:

BATTERY EARTH. Ripaults Earthing Strap	DYNAMO. Ripaults "S" Type No. S2a76/2	SIDE LAMPS. Ripaults "S" Type No. S276/1
BATTERY-STARTER. Ripaults Braided No. 436/3	HEAD LAMPS. Ripaults "S" Type No. S2a76/1	STOP TAIL LAMP. Ripaults "S" Type No. S276/1
COIL L.T. Ripaults "S" Type No. S2a76/1	H.T. Ripaults "S" Type No. S266	TRAFFICATORS. Ripaults "S" Type No. S2a76/1 Adv.



Equipment and Test Data for Lucas 6 Volt Set on Morris 8 h.p. Series II

EQUIPMENT

Component	Model	Type	Service No.	Component	Model	Type	Service No.
Dynamo	C45N	A86	228169	Side Lamps ..	LD105	—	522203
Starter	M35G	—	250405	Stop Tail Lamp ..	ST38A	—	520428
Cutout and Fuse Unit	CFR2	L4	332179	Horn	HF935	—	701147
Battery	SLTWIIE	—	—	Wiper	DW3	A53	731064
Head Lamps ..	L131	Lefthand	505062	Trafficators ..	SF34C	—	53410
	L131	Righthand	505063	Distributor ..	DK4A	A53	404288
				Coil	6Q6	L	401606

TEST DATA

Dynamo Model C45N.—Third brush regulation. Clockwise rotation as viewed from driving end. Two pole. Lap wound. 14 armature slots—28 commutator bars. Belt driven at 1.1 times engine speed. Test Specification : At night charge rate dynamo cold (immediately on starting engine). Cutting-in speed 750-950 r.p.m. at 7 dynamo volts. Output 14 amps at 1,600-2,000 r.p.m. at 6.5 dynamo volts.

Starter, Model M35G.—Clockwise rotation as viewed from driving end. Inboard drive with 9-tooth pinion. 21 armature slots—21 commutator bars. Test Specification : Lock torque 6 lbs. ft. (approximately) with 400 amps at 3.2 volts. Brush tension 30-40 ozs.

Battery, Model SLTWIIE.—Capacity 50 ampere hours (10-hour rate). 11 plates per cell. Specific gravity of electrolyte under normal working conditions : 1,285-1,300, battery fully charged ; 1,210, battery about half discharged ; below 1,150, battery fully discharged. Dimensions (overall) : 8½ in. long x 6¼ in. wide x 8¾ in. deep.

Cutout and Fuse Unit, Model CFR2.—This unit houses a cutout and the reduced charge resistance for the dynamo, together with terminals and fuses. The fuses are provided in the dynamo field circuit and the accessories circuit.

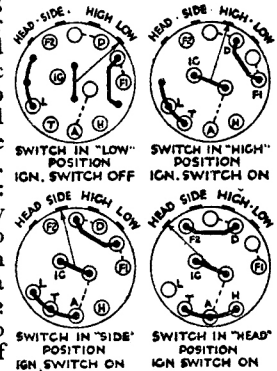
Lamps.—Head Lamps, Model L131EDS. Fitted with electrically operated dip and switch reflectors. Dipper unit protected by a 10 ampere fuse. Bulbs : Lucas 106, 6 volt 24 watt. Side Lamps, Model LD105 : Bulbs : Lucas No. 200, 6 volt 3 watt. Stop Tail Lamp, Model ST38A. Bulbs : Lucas No. 200,

6 volt 3 watt. Trafficators, Model SF34C. Bulbs : Lucas No. 255, 6 volt 3 watt (festoon type).

Distributor, Model DK4A.—Clockwise rotation as viewed from driving end. Contact breaker gap set at 0.010 in.-0.012 in. Spring tension of contact breaker lever 20-24 ozs. measured at contacts. The automatic advance begins at 150-400 r.p.m. (distributor) and gives a maximum advance 11°-13° at 1,400-1,500 r.p.m. (distributor). Maintenance :

Every 1,000 miles, add a few drops of thin machine oil to the lubricator provided on the shaft. Give the cam a smear of Mobilgrease No. 2 every 5,000 miles, and also place a small amount of Mobilgrease No. 2 on the pivot on which the contact breaker works. Every 3,000 miles, withdraw the moulded rotating arm and add a few drops of thin machine oil to lubricate the cam bearing. The automatic timing control must also be lubricated every 3,000 miles, with a good quality medium grade engine oil. The control is rendered accessible by removing the distributor moulding, lifting off the rotating arm and then removing the contact breaker by withdrawing its two securing screws. Take care to refit contact breaker base in original position.

Ignition Coil, Model 6Q6.—Current consumption, 2 amperes at normal speeds.



Switch positions

... and he said,

"He'd sooner Ripaults cable carry the current than cable
Ripaults for carry current cable."

[Advt.]