

CONTINUED FROM PRECEDING PAGE

NOTE—Generators which do not test up to these "Performance Standards" should be examined and overhauled.

Rotation—Counter-clockwise at commutator end.

Brush Spring Tension—26-28 ounces.

Field Current—4.6 amperes at 6.1 volts maximum at 850-1200 RPM. Field resistance 1.0 ohms at 70°F.

Removal:—Mounted on bracket at front of engine between cylinder banks with fan mounted on forward end. Driven in tandem with two water pumps by Vee belt. To remove, take off nut on bracket mounting stud.

Belt Adjustment:—Loosen nut on bracket flange mounting stud, move generator up until total side-play on belt at point midway between water pump and crankshaft pulleys is $\frac{3}{4}$ "-1", tighten nut.

GENERATOR SPECIAL EQUIPMENT

GENERATORS (SPEC. EQUIP):—Various types for special service on all models as follows:

Generator	Pulley Diam.	Type Service
67-10000-H	5.18"	High Speed
68-10000-HA	4.38"	High Speed
68-10000-HB	4.38"	Low Speed
78-10000-HA	4.38"	High Speed
78-10000-HB	3.58"	Low Speed

NOTE—These generators serviced by the following models: 81-A-10000-B (67-10000-H; 68-, 78-10000-HA), 82A-10000-B (78-10000-HB), 81A-10000-C (68-10000-HB).

Armature Nos.—68-10005-H (67-10000-H, 68-10000-HA), 18-10005 (68-10000-HB), 78-10005-HA (78-10000-HA, HB).

Maximum Charging Rate—See table below. Reached at 33 M.P.H. (67-10000-H), 30 M.P.H. (68-, 78-10000-HA), 28 M.P.H. (68-, 78-10000-HB).

Charging Rate Adjustment—Same as for standard generator (above). See Regulator data below for models on which regulator is used.

Performance Standards—See Note

Amperes	Eng. R.P.M.
Start	525
26	1250
16	3000
68-10000-HB	
Start	350
18	1000
16	3000
78-10000-HB	
Start	350
26	1000
16	3000

NOTE—If generators do not test up to these "Performance Standards" they should be examined and overhauled.

Rotation—Counter-clockwise at commutator end.

Field Current—3.43-4.17 amperes at 6.0 volts (field resistance 1.44-1.75 ohms for all models).

Removal & Belt Adjustment:—Same as for standard generator (above).

SPECIAL GENERATORS:—Other Makes—Refer to *Electrical Equipment Index* for "Special Generator" article for complete data on special Generators and Regulators which may be found on these models.

CUTOUT RELAY

CUTOUT RELAY:—Ford No. B-10505. Mounted on generator. Generator field lead grounded to relay

Cuts In—5.8-6.3 volts, 10 MPH.

Cuts Out—3 ampere maximum discharge.

Contact Gap—.015-.020".

Air Gap—.010-.015" with contacts closed.

REGULATOR

REGULATOR:—Ford No. 40-10505 or 68-10505 (Special Equipment). Consists of Cutout Relay and Voltage Regulator (two-rate relay) in case on generator. See article in *Electrical Equipment Section* for complete data.

Cutout Relay

All data same as for B-10505 above.

Regulator

Setting—Contacts open when voltage reaches 8.5 volts and remain open until relay contacts open.

Cuts In—7 volts or 10 M.P.H.

Cuts Out—3 ampere discharge current.

Contact Gap—.015-.020".

Air Gap—.010-.015" with contacts closed.

LIGHTING

LIGHTING:—Headlamps—Corcoran-Brown "Two-Lite," Upper and lower beams controlled by lighting switch handle on steering wheel.

Headlamp Adjustment—Aim headlamps straight ahead with top of upper beam at lamp center height 25 feet from the car.

Switches—1934-35

Lighting—Ford No. B-11657 (Body and Contact Assembly), 40-11647 (1934 Plate & Wiring Assembly), 48-11647 (1935 Plate & Wiring Assembly).

Instrument—Ford No. 40-13740 (1934), 48-13740A (1935 Pass. Cars—Maroon knob), 48-13740B (1935 Pass. Cars—Taupe knob), 50-13740 (Comm'l. & Trucks).

Stop Light—Ford No. 40-13480 (1934), 48-13480 (1935).

Switches—1936

Lighting—R.B.M. Model B-11654-B. Ford Part No. B-11657 (Body and Contact Assembly), 48-11647 (Plate and Wiring Assembly), B-11855-B (Cover).

Bulb Specifications

Position	Candlepower	Mazda No.
Headlamps	32-32	2330-C
Stop and Tail	21-2	1158
All others	3	63

MISC. ELECTRICAL

FUSES:—Fuse Block Ford Part No. 40-12250. Ignition resistance unit mounted on fuse block.

Lighting—20 ampere capacity on fuse block.

HORNS: Sparton. Vibrator type. Current draw 6-8 amperes each.