

AUBURN

MODEL 4-44 (1925-26)

REMY GENERATING, STARTING AND LIGHTING SYSTEM

REMY IGNITION

BATTERY.—U. S. L., Type XY-13X. 6 volt. Starting capacity is 102 amperes for 20 minutes. Lighting capacity is 5 amperes for 17.4 hours. The positive (+) terminal is grounded.

IGNITION.—Coil Model 284-L. Distributor Model 366-T. Breaker contacts separate .018-.024 inch. They are made of tungsten. Resurface contacts with a fine, flat jeweler's file or on a medium hard oilstone. Distributor is of the manual type. Manual advance is 40°.

Oiling.—Fill the grease cup under the distributor head with medium cup grease and turn down two turns every month or each 1000 miles. Put a small bit of grease on the face of the breaker cam under the fiber bumper every month.

Timing.—Breaker contacts begin to separate when piston entering power stroke reaches top dead center with the spark control lever and breaker assembly in the fully retarded position.

Firing Order.—The firing order is 1-3-4-2.

Spark Plugs.—Spark plug diameters are $\frac{7}{8}$ inch. Gaps are .025 inch.

STARTER.—Model 714-A. Starter is connected to the engine through a Bendix drive. The direction of rotation is counter-clockwise, looking at the commutator end. Starter brush tension should be 20-24 ounces. Starting switch is Model 406-A.

Starter Data			
Torque	R.P.M.	Volts	Amperes
0 lb. ft.	5000	5	65
12 "	Lock	3.63	475

Oiling.—Put 4 or 5 drops of light engine oil in the starter bearing oilers every month or each 1000 miles.

GENERATOR.—Model 941-Q. The direction of rotation is counter-clockwise, looking at the commutator end. Generator current regulation is by the third brush system. To adjust charging rate loosen the small round headed screw on the generator end plate and shift the third brush mounting arm by hand. Shifting the third brush in the direction of armature rotation increases the charging rate and in the opposite direction decreases the charging rate. Tighten the screw after making the adjustment.

Generator Data					
Cold Test		R.P.M.	Hot Test		R.P.M.
Amperes	Volts		Amperes	Volts	
7	7-7.3	750			
15-17	7.95-8.15	1400	11-14	7.55-7.85	1800
15		2500			

Shunt field current is 5 amperes at 6 volts. Generator brush tension should be 24-28 ounces each.

Oiling.—Put 4 or 5 drops of light engine oil in the oiler on the commutator end of the generator every month or each 1000 miles.

RELAY.—Model 265-B. Relay is mounted on the generator. Relay contacts close at 675 R.P.M. of the generator armature when the voltage reaches 7.25 volts and open with a current discharge of 0-3 amperes. Charging current at closing of contacts is 2 amperes. Contacts separate .020 inch. Air gap between relay armature and coil core is .014-.018 inch, contacts closed.

LIGHTING.—Briggs & Stratton Switch Model 39720. Head lamps are 6-8 volt, 21 cp. D.C. with double filament for dimming. Dimmer filaments are 6-8 volt, 2 cp. Dome lamp is 6-8 volt, 4 cp. D.C. Dash and tail lamps are each 6-8 volt, 2 cp. S.C.

FUSES.—Lighting fuses are 20 amperes.

