

GRANT

MODEL G (1918-19-20)

WAGNER GENERATING, STARTING AND LIGHTING SYSTEM

REMY IGNITION

BATTERY.—Willard, Type S-J-W-3. 6 volt, 90 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Coil No. 284-B. Distributor No. 352-A. Breaker contacts separate .020 to .025 inch. When the condition of the points affects the ignition, resurface with a fine, flat jeweler's file or worn No. 00 sandpaper.

OILING.—Refill the cup under the distributor head with soft cup grease and turn down two turns every two weeks. Put a small amount of vaseline on the fiber bumper of the contact arm, using a toothpick. If the car is driven more than 500 miles in two weeks, oiling must be done every 500 miles.

TIMING.—Breaker contacts begin to separate when flywheel marking "No. 1-6-T.C." is $\frac{3}{4}$ inch beyond the indicator, spark control button pulled out one-half of its stroke ($\frac{3}{8}$ inch). First see that the breaker assembly is in the fully retarded position when the control button is pushed all the way in.

FIRING ORDER.—The firing order is 1, 4, 2, 6, 3, 5.

SPARK PLUG GAPS.—Spark plug gaps are .025 inch.

STARTER.—Model EM.-199, Type 35-T. Starter is connected to the engine through a Bendix drive.

OILING.—Put 5 or 6 drops of light engine oil in each of the starter bearing oilers every month.

GENERATOR.—Model E.M.-189, Type 45-W. Generator current regulation is by third brush system. Rotation is counter-clockwise, viewed from commutator end. Maximum current output of 17 amperes is reached at 20 miles per hour.

Amperes	Generator Data.	R.P.M.
7.0		700
13.0		1000
16.0		1300
17.0		1500
14.0		2000
10.5		2500

OILING.—Put 5 or 6 drops of light engine oil in each of generator oilers every two weeks. If car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

RELAY.—Relay closes at 8-10 miles per hour and opens at 6-8 miles per hour. Clean relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface with well worn No. 00 sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS.—Head lamps are 6-8 volt, 16 cp. Dimmer lamps are 6-8 volt, 4 cp. Tail and dash lamps are each 6-8 volt, 2 cp.

FUSES.—Fuses are 20 ampere.

