

Grant

Model K (1917-18) (Serial Nos. 15000 to 27000) Wagner Generating, Starting and Lighting System Remy Ignition

Battery.—Willard. Type SJW-3, 6 volt, 90 ampere-hour. The positive (+) terminal is grounded.

Ignition.—Model Nos. 352-A and 284-B. 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 sand paper.

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 car is driven more than 500 miles in two weeks, these attentions must be given every 500 miles.

Timing.—Breaker contacts begin to separate when flywheel marking "1 and 6 TC" is $\frac{3}{4}$ inch past the indicator, spark control rod pulled out $\frac{3}{8}$ inch. (First see that breaker assembly is fully retarded when 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-166, Type 36-T. Starter is connected to the engine through a Bendix drive.

Oiling.—Put several drops of light engine oil in each of starter bearing oilers every month.

Generator.—Model EM-165, Type 41-Y. Generator current regulation is by third brush system. Rotation is counter clockwise, viewed from commutator end. Maximum output of 15 amperes is reached at 20 miles per hour.

Amperes	GENERATOR DATA	R. P. M.
4		800
9		1000
12		1200
14.5		1500
15		1650
14		2000
11		2500

Oiling.—Put 4 or 5 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 sand paper. Remove all grit. Adjust before again putting into service.

Lamps.—Head lamps are 6-8 volt, 16 cp. Dimmer lamp is 6-8 volt, 2 cp. Tail lamp is 6-8 volt, 2 cp.

