

KISSEL

CUSTOM BUILT SIX, SERIES 45 (1922) REMY GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY.—Willard, Type SJR-5, 6 volt, 139 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Model 284-A. Distributor Model No. 626-B. Breaker contacts separate .023 inch. They are made of tungsten. When condition affects ignition, resurface on a hard oilstone.

Oiling.—Turn grease cup two turns and fill oil cup on driving end every two weeks. If car is driven over 500 miles in two weeks, this attention must be given every 500 miles.

Timing.—Breaker contacts begin to separate when the top dead center mark on fly-wheel is $1\frac{1}{4}$ inch past the indicator, spark control lever and breaker assembly in the fully retarded position.

Firing Order.—The firing order is 1, 5, 3, 6, 2, 4.

Spark Plug Gaps.—The spark plug gaps are .025 inch.

STARTER.—Model 720-D. The direction of rotation, looking at commutator end, is counter-clockwise. Cranking engine at 100-150 R.P.M., it takes 150 to 200 amperes. Starter is connected to engine through a Bendix drive.

Starter Data

Torque
15 lbs Min.

Amperes
570 amperes Max.

The brush tension on commutator is 16 to 20 ounces.

Oiling.—Put 5 or 6 drops of light engine oil into starter oilers every month. If car is driven over 1000 miles per month, these attentions must be given every 1000 miles.

GENERATOR.—Model No. 912-A. Direction of rotation, looking at commutator end, is counter-clockwise. Current regulation is by the third brush system combined with a thermostat located in the shunt field circuit. With thermostat contacts open generator output is cut down approximately 50%. To adjust generator output, loosen the screw on the generator and shift the third brush in direction of armature rotation to increase the charging rate and in the opposite direction to decrease the charging rate.

Cold Test			Hot Test		
Amperes	Volts	R.P.M.	Amperes	Volts	R.P.M.
0.....	7.0.....	675	11.....	8.2.....	1900
7.....	7.2.....	750			
20.....	8.5.....	1800			

Shunt field current is 5 amperes at 6 volts. Generator brush tension should be 16 ounces each.

Oiling.—Put 5 or 6 drops of light engine oil into generator oilers every two weeks. If car is driven over 500 miles in two weeks, these attentions must be given each 500 miles.

RELAY.—Model No. 264-C. Contacts separate .012 to .015 inch. Air gap between relay contacts and coil core is .012 to .015 inch, contacts closed. 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 volts, 21 cp. Dimmer lamps are 6-8 volts, 12 cp. Side lamps are 6-8 volts, 4 cp. Tail lamp is 6-8 volts, 2 cp. Dome lamp is 6-8 volts, 6 cp.

FUSES.—All fuses are 20 ampere.

