

KISSEL

MODEL 6-55 (1927)

DELCO-REMY GENERATING, STARTING SYSTEM DELCO-REMY IGNITION

BATTERY:—Willard, Type SJWR-4, 6 volt. The positive (+) terminal is grounded. Starting capacity (20 minute rate) is 125 amperes for 20 minutes. Lighting capacity (5 ampere rate) is 5 amperes for 22 hours.

IGNITION:—Coil Model 284-A. Distributor Model 627-C. Breaker contacts separate .025 inch. They are made of tungsten. Resurface contacts with a fine flat contact file or on a medium hard oilstone. Breaker arm spring tension is 17-20 ounces. Manual advance is 20 degrees (engine). Automatic advance is 18 degrees (engine).

Timing:—Breaker contacts begin to separate when piston No. 1 reaches top dead center on the compression stroke, with the spark control lever and breaker assembly in the fully retarded position.

Oiling:—Fill the grease cup on the side of the distributor housing with medium cup grease and turn down two turns every two weeks or each 500 miles. Put a small bit of vaseline on the face of the breaker cam every month.

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

Spark Plugs:—Spark plugs are $\frac{7}{8}$ -18 S.A.E. Standard. Gaps are .030 inch.

STARTER:—Model 720-V. Starter is connected to the engine through a Bendix drive. The direction of rotation is counter-clockwise, looking at the commutator end. Starter cranks the engine drawing 150-180 amperes at 5.2 volts. Brush spring tension is 20-28 ounces.

Starter Data			
Torque	R.P.M.	Volts	Amperes
0.....	6000.....	5.....	65
15 lb. ft.....	Lock.....	3.15.....	570

Oiling:—Put 4 or 5 drops of light engine oil in the oiler on the commutator end of the starter every month or each 1000 miles. The drive end bearing is oilless.

GENERATOR:—Model 944-B. The direction of rotation is counter-clockwise, looking at the commutator end. Current regulation is by third brush shunt field and thermostat. Thermostat contacts open at 165 degrees F. reducing the generator output approximately 40%. To adjust the generator output, loosen the small round headed screw on the end plate and remove the commutator cover band. Shift the third brush in a counter-clockwise direction to increase the charging rate and in the opposite direction to decrease the charging rate. Tighten the screw after making the adjustment. Shunt field current is 4.75-5 amperes at 6 volts. Generator, motoring, draws 5-5.5 amperes at 6 volts. Brush spring tension is 22-28 ounces.

Generator Data		
Amperes	R.P.M.	Volts
0.....	500.....	6.5
19.....	1300.....	8.3

Oiling:—Put 8 or 10 drops of light engine oil in each of the bearing oilers every month or each 1000 miles.

RELAY:—Model 265-B. Relay contacts close when the generator voltage reaches 7-7.5 volts and open with a discharge current of 0-3 amperes. Relay contact gap is .015-.025 inch. Air gap is .014-.018 inch with contacts closed.

LIGHTING:—Briggs & Stratton Switch Model 36560. Switch is mounted on the dash. Head lights are 6-8 volt, 21-21 cp. (double filament-double contact). Stop light is 6-8 volt, 15 cp. S.C. Mazda 87. Side, dome, dash and tail lights are 6-8 volt, 3 cp. S.C. Mazda 63.

FUSES:—Lighting fuses are 10 ampere capacity.

