

KISSEL

MODEL 8-75 (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-L. Distributor Model 648-A and B. Breaker contacts separate .018-.024 inch. They are made of tungsten. Resurface contacts with a fine flat contact file or on a medium hard oilstone. Distributor is semi-automatic. Manual advance is 20 degrees (engine). Automatic advance begins at 400 R.P.M. and reaches a maximum of 17 degrees at 1800 R.P.M. Spring tension is 17-21 ounces. Breaker has two sets of contacts which open at the same instant. To synchronize, see Timing.

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 vaseline on the face of the breaker cam every month.

Timing:—Both sets of breaker contacts should separate when the piston entering power stroke reaches top dead center with the spark control assembly in the fully retarded position. Set contacts on stationary plate by loosening locknut on top of breaker cam and rotating cam until contacts begin to separate. Reseat the cam and tighten the locknut. Set contacts on movable plate by loosening three lock screws and shifting breaker assembly until contacts begin to separate. Tighten the lock screws. Test lamps, connected across each set of contacts should light at the same instant when the contacts separate.

Firing Order:—The firing order is 1-6-2-5-8-3-7-4.

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

STARTER:—Model 720-Q. 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 185-190 amperes at 4.1 volts. Brush tension is 24-28 ounces.

Starter Data

Torque	R.P.M.	Volts	Amperes
0.....	6000.....	5.....	65
15 lb. ft.....	Lock.....	3.1.....	570

Oiling:—Put 4 or 5 drops of light oil 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. Then 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, motor-ing, 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 7.25 volts and open with a discharge current of 0-2.5 amperes. Contact gap is .020 inch. Air gap is .016 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) Mazda 1110. Side, dome, dash and tail lights are 6-8 volt, 3 cp. S.C. Mazda 63. Stop light is 6-8 volt, 15 cp. S.C. Mazda 87. Dimmer switch is mounted at the foot of the steering column.

FUSES:—Lighting fuses are 10 ampere capacity.

