

CHEVROLET

SUPERIOR MODEL (1923-24)

REMY GENERATING, STARTING AND LIGHTING SYSTEM

REMY IGNITION

BATTERY.—Exide, Type 3-XC-13-1, or Willard, Type SJXR-3, 6 volt, 90 ampere-hour. The starting capacity is 100 amperes for 20 minutes. The lighting capacity is 5 amperes for 20 hours. The negative (—) terminal is grounded.

IGNITION:—Coil Model 284-L. Distributor Model 374-A. Breaker contacts separate .030 inch. They are made of tungsten. When the condition of the contacts affects the ignition, remove and resurface on a medium hard oilstone or with a fine, flat jeweler's file. The distributor has no automatic advance. Manual advance is 30°.

Oiling:—Refill the grease cup on the side of the distributor shaft and turn down one quarter turn every month or each 1000 miles if the car is driven more than 1000 miles in a month.

Timing:—Breaker contacts separate when No. 1 piston entering power stroke is at top dead center, spark control lever and breaker assembly fully retarded.

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

Spark Plugs:—Spark plug gaps are .025 inch.

STARTER:—Model 711-B (2 Brush) 711-BX (4 Brush). The direction of rotation, looking at commutator end, is counter-clockwise. Starter is connected to motor by a Bendix drive. Cranks the engine at 160 R.P.M. taking 140 amperes. Starter brush tension should be 20-24 ounces each.

Starter Data

Torque	R.P.M.	Volts	Amperes
0 lb. ft.	5000	5	65
10 " "	Lock	3.5	425

Oiling:—Put 4 or 5 drops of light engine oil into starter oiler every two weeks. If car is driven over 500 miles in two weeks, this care must be given every 500 miles.

GENERATOR:—Model 950-A,B. The direction of rotation is counter-clockwise, looking at commutator end. The third brush system is used for voltage regulation. The maximum charging rate is 18 amperes reached at 1800 R.P.M. of the generator armature. Brush tension is 14-18 ounces each. Shunt field current is 5 amperes at 6 volts.

Generator Test Data

Amperes	Volts	R.P.M.	Amperes	Volts	R.P.M.
0	7.25	640			
7	7.73	880	12-15	8.85	1750
15-17	8.2-8.8	1750			
8.5-15.5		2500			

To adjust the generator charging rate, loosen the generator cover band and the screw on the generator end plate. Then shift the third brush in the direction of armature rotation to increase the charging rate and in the opposite direction to decrease the charging rate. Tighten the screw after making the adjustment.

Oiling:—Put 4 or 5 drops of light engine oil into generator oiler every two weeks. If car is driven over 500 miles in two weeks, this attention must be given every 500 miles.

RELAY:—Model 265-B. Relay is mounted on top of the generator. Relay contacts close at 6-10 M.P.H. or 650 R.P.M. of the generator when the voltage reaches 7.25 volts and open with a discharge current of 0-2.5 amperes. Contacts separate .020 inch. Air gap between relay armature and coil core is .016 inch, contacts closed.

LAMPS.—Head lights are 6-8 volts, 21 cp. Tail and cowl lights, 6-8 volts, 2 cp. Dome light, 6-8 volt, 2 cp.

FUSES.—20 amperes.

