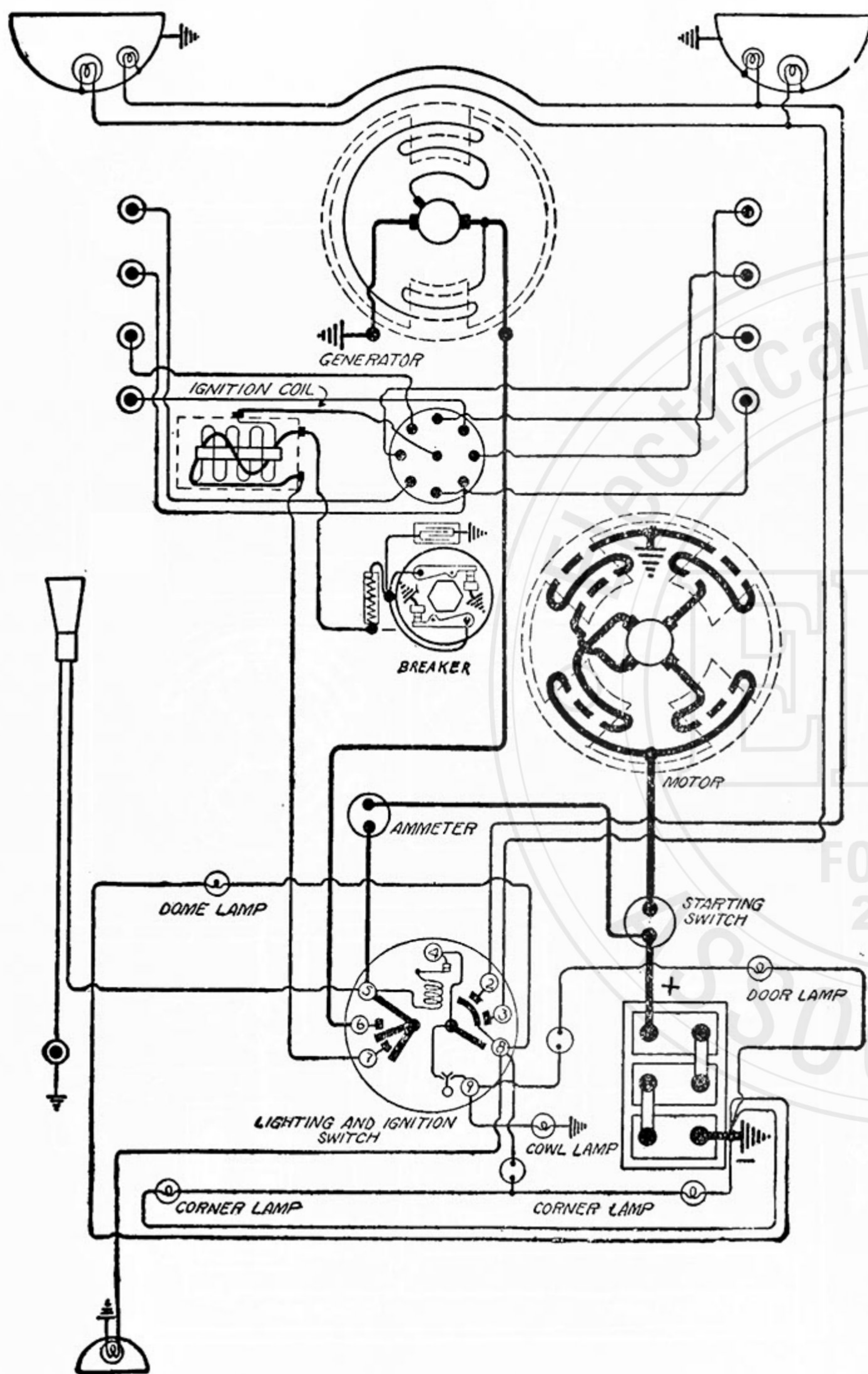




COLE

MODEL 8-70 (1920-21-22)

DELCO GENERATING, STARTING AND LIGHTING SYSTEM DELCO IGNITION

BATTERY.—Willard, Type SJRN-5, 6 volt, 125 ampere-hour. The negative (—) terminal is grounded.

IGNITION.—Coil Model No. 2127. Breaker contacts separate .018 inch. They are made of tungsten. When the condition of the points affects the ignition, remove and resurface with fine emery cloth or against the flat side of an emery wheel, finishing on a hard oil stone.

OILING.—Put 4 or 5 drops of light engine oil in each of distributor shaft bearing oilers every two weeks. If car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

TIMING.—Breaker contacts begin to separate when piston on compression stroke is $1\frac{1}{2}$ inches from top dead center, spark control lever and breaker assembly in the fully advanced position.

FIRING ORDER.—The firing order is 1R, 4L, 3R, 2L, 4R, 1L, 2R, 3L.

SPARK PLUG GAPS.—Spark plug gaps are .030 inch.

STARTER.—Model No. 72. Starter is connected to the engine through a Bendix drive. Lock torque is 17.5 pound-feet at 3.5-3.8 volts. Running freely, starter current is 40 amperes.

OILING.—Starter bearings are of the oilless type.

GENERATOR.—Model No. 153. Generator current regulation is by third brush system. Generator begins to supply current at 7 miles per hour or 500 R.P.M. of armature and reaches its maximum current output of 14-16 amperes at 18-25 miles per hour or 1400 R.P.M. of armature.

Amperes	Generator Data	R.P.M.
Neutral		500
10-12		900
14-16		1400
11-13		2000

To increase the charging rate loosen the two screws holding third brush arm, and move third brush in a counter-clockwise direction (looking at commutator end). To decrease charging rate, move third brush in a clockwise direction. Brush must be re-seated after adjusting position.

OILING.—Put 5 or 6 drops of light engine oil in each of the generator oilers every two weeks. If the car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

RELAY.—There is no relay. The circuit between the generator and battery is controlled by the ignition switch.

LAMPS.—Head lamps are 6-8 volt, 21 cp. Dimmer lamps are 6-8 volt, 5 cp. Dash and tail lamps are each 6-8 volt, 4 cp. Dome lamp is 6-8 volt, 4 cp. Corner lamps are 6-8 volt, 2 cp.

CIRCUIT BREAKER.—A vibrating circuit breaker takes the place of fuses. It requires 25 amperes to start this device vibrating. While vibrating, the current is 3-5 amperes.

COMBINATION SWITCH.—Model No. 1154.