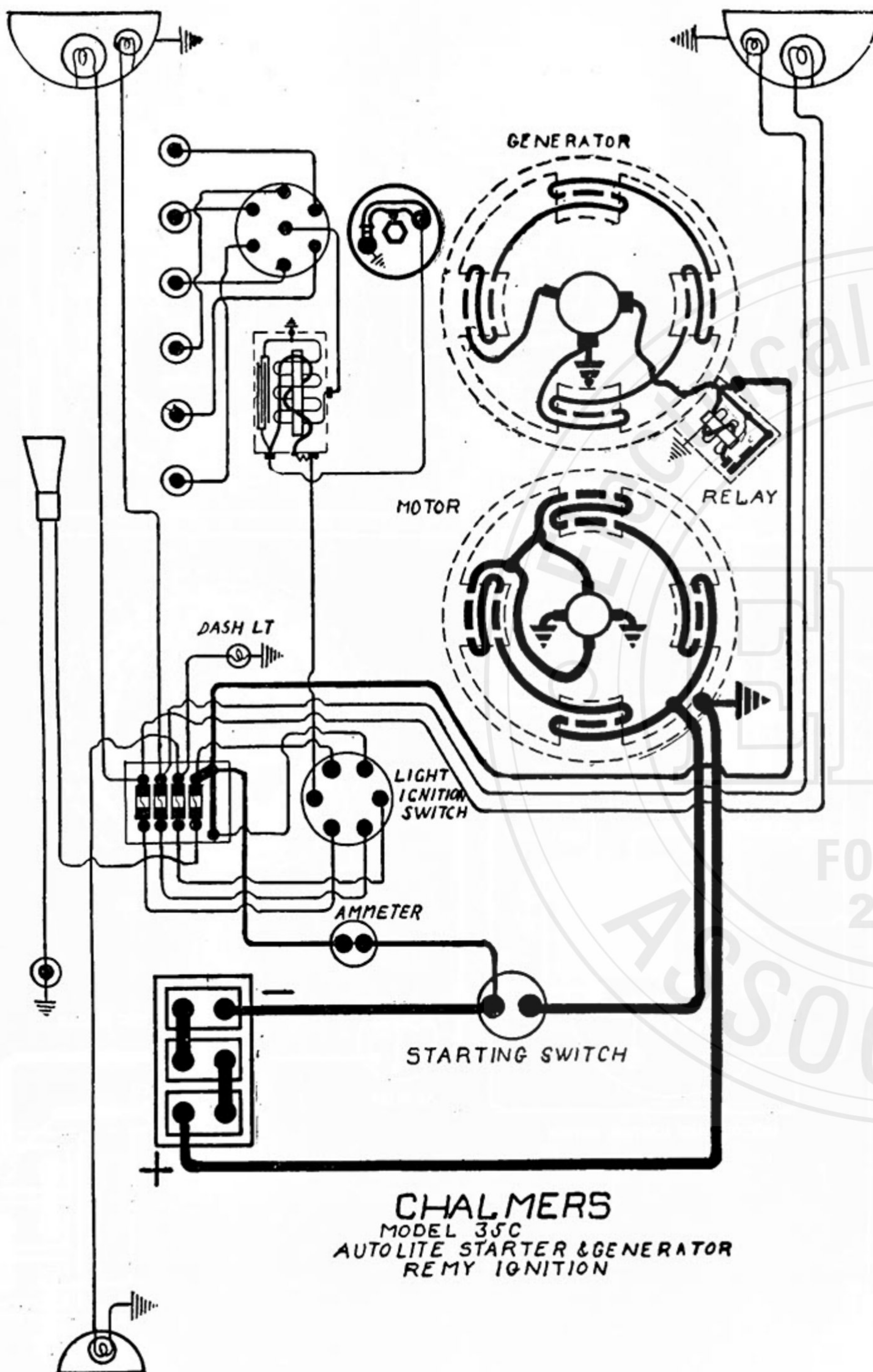




CHALMERS
MODEL 35C
AUTOLITE STARTER & GENERATOR
REMY IGNITION

CHALMERS MODEL 35-C (1920-21) AUTO-LITE GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY.—Prest-O-Lite, Type 613-RHN, 6 volt, 80 ampere-hour. The positive (+)

IGNITION.—Breaker contacts separate .015 to .018 inch. When the condition of the contacts affects the ignition, resurface with a fine, flat jeweler's file or well worn No. 00 sandpaper.

OILING.—Refill the grease cup under the distributor head with soft cup grease and turn down two turns every two weeks. Put a small amount of vaseline on the fiber bumper of the contact arm, applying with a toothpick. If the car is driven more than 500 miles in two weeks, these attentions must be given every 500 miles.

TIMING.—Breaker contacts begin to separate when the top dead center mark on the fly-wheel is $1\frac{5}{16}$ inches past the indicator on the 1920 cars and $1\frac{21}{32}$ inches past the indicator on the 1921 cars, with the spark control lever and breaker assembly in the fully retarded position.

FIRING ORDER.—The firing order is 1, 4, 2, 6, 3, 5.

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

STARTER.—Model MH-1003. Starter is connected to the engine through a Bendix drive. Lock torque is 17.5 pound-feet, current being 600 amperes at 5 volts. Starter cranks the engine at 150 R.P.M., taking 275 amperes.

OILING.—Put 4 or 5 drops of light engine oil in each of the starter oilers every month.

GENERATOR.—Models GJ-1057 & 1060. Generator current regulation is by the third brush system. Maximum current output is 12-16 amperes, reached at 1700 R.P.M. or 22 miles per hour.

Cold Test		Generator Data		Hot Test	
Amperes	R.P.M.	Amperes	R.P.M.	Amperes	R.P.M.
0	500	0	580		
8	750	6	840		
12	960	9	1050		
16	1400	12	1360		
16.5	1700	12.7	1700		
12	3400	10	3400		

Above readings are obtained with a battery solution of 1.300.

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

RELAY.—Relay closes at 7-9 miles per hour or 460-510 R.P.M. of the armature and opens at 5-7 miles per hour or 410-460 R.P.M. of the armature. Charging current is .5 to 1.5 amperes at closing and the discharge current 0-1 ampere at the opening of relay contacts. Contacts separate .030 to .045 inch. Clean relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface with well worn No. sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS.—Head lamps are 6-8 volt, 15 cp. Dimmer lamps are 6-8 volt, 4 cp. Dash and lamps are 6-8 volt, 2 cp.