

CHEVROLET

MODEL 4-90 (1919-20-21)

AUTO-LITE GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY.—Willard, Type SJW-3, 6 volt, 80 ampere-hour. The negative (—) terminal is grounded at the starting motor.

IGNITION.—Breaker contacts separate .030 inch. When the condition of the contacts affects the ignition, resurface with a fine, flat jeweler's file or worn No. 00 sandpaper.

OILING.—Refill the grease cup under the breaker 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 piston entering the power stroke is on top dead center, spark control lever and breaker assembly in the fully retarded position.

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

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

STARTER.—Model MF. Rotation is counter-clockwise, looking at the commutator end. Starter is connected to the engine through a Bendix drive. Starter cranks the engine at 75 R.P.M., taking 150 amperes.

OILING.—Thoroughly clean out and repack the starter bearings with soft cup or ball-bearing grease. Grease rate is 16 amperes, reached at 1800-2250 R.P.M. or 25 miles per hour.

GENERATOR.—Model GH. Rotation is counter-clockwise, looking at the commutator end. Generator current regulation is by the third brush system. Maximum charging ing grease every six months.

Generator Data

Amperes	R.P.M.	Volts
0	550	6.25
4	720	6.6
8	900	7.0
12	1150	7.4
16	1700	7.9
16.4	2000	8.0
15	2500	7.8

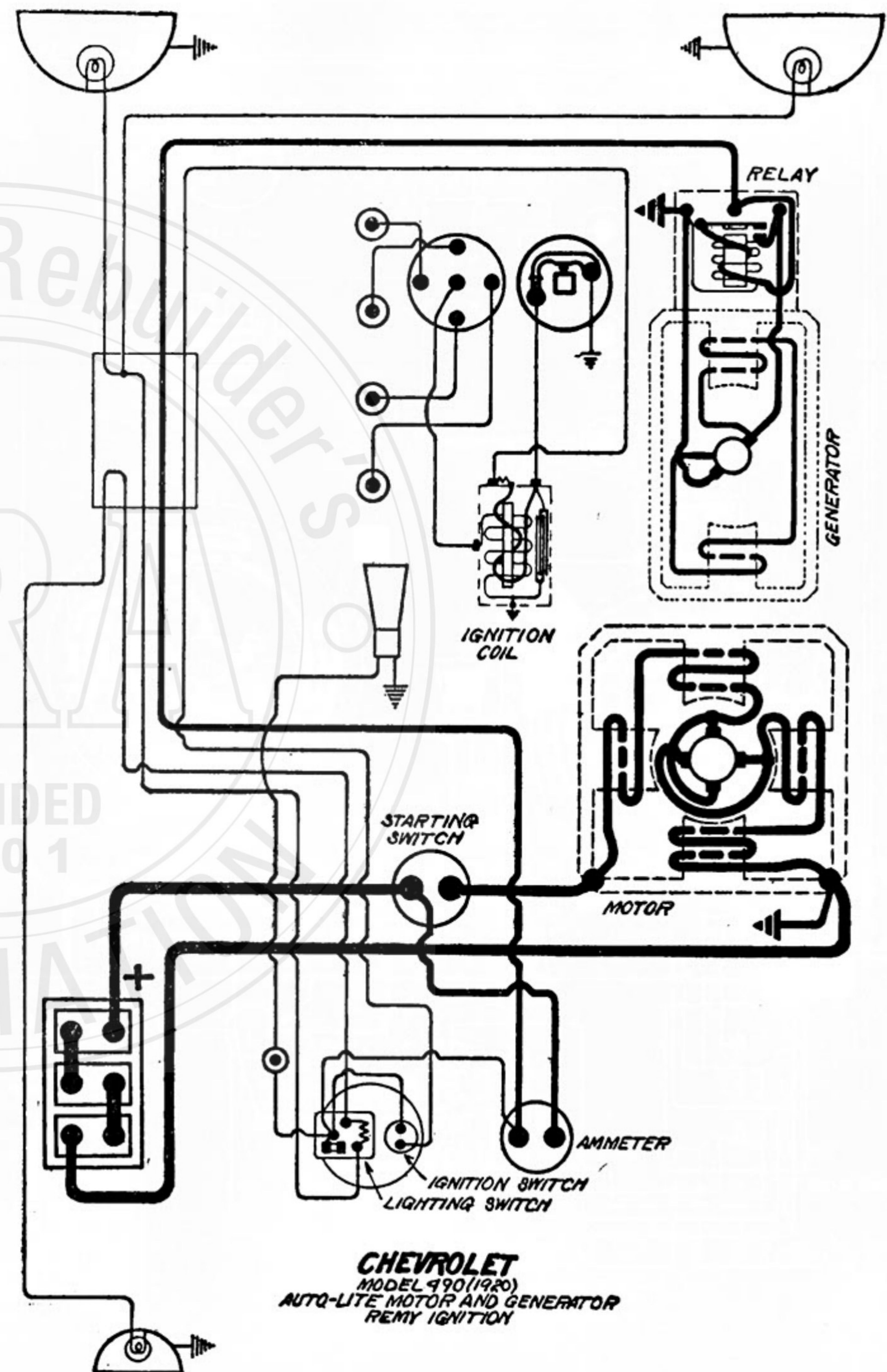
Charging rate is varied by adjustment of the third brush setting. Move the third brush in a counter-clockwise direction, looking at the commutator end, to increase the charging rate and in the opposite direction to decrease the charging rate. Reseat the brush after adjusting the position. Operating freely as a motor, generator takes 2.7 amperes, armature revolving at 450 R.P.M. Shunt field winding takes 1.7 amperes.

OILING.—Put 5 or 6 drops of light engine oil in each of the generator bearing 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.—Relay closes at 550-600 R.P.M. of the armature or 8-10 miles per hour and opens at 500-550 R.P.M. of the armature or 6-8 miles per hour. Charging current is .5 to 1.5 amperes at closing and the discharge current 0-1 ampere at the opening of the relay contacts. Clean the relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface them with well worn No. 00 sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS.—Head lamps are 6-8 volt, 15 cp. Tail lamp is 6-8 volt, 2 cp.

FUSES.—One fuse is used: 20 amperes



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AUTO-LITE MOTOR AND GENERATOR
REMY IGNITION