

HAYNES

MODELS 30, 33, 34 AND 35 (1915-16)

LEECE-NEVILLE GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY.—Battery is 6 volt, 100 ampere-hour. There is also a set of 6 dry cells for auxiliary ignition purposes. The negative (—) terminal of storage battery and dry cells is grounded.

IGNITION.—Breaker contacts separate .018 to .020 inch. When the condition of the contacts affects the ignition, resurface with well worn No. 00 sandpaper or a fine, flat jeweler's file.

OILING.—Refill the grease cup under the breaker head with soft cup grease and turn down two turns every two weeks. If the car is driven more than 500 miles in two weeks this must be done every 500 miles.

TIMING.—Breaker contacts begin to separate when piston entering 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, 4, 2, 6, 3, 5.

SPARK PLUG GAPS.—Spark plug gaps are .020 to .025 inch.

STARTER.—Type B-300. Starter is connected to the engine through a pinion shifted by the operator. Starter cranks the engine at 125-150 R.P.M., taking 200 amperes.

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

GENERATOR.—Type CR-400. Generator current regulation is by third brush system. Maximum charging rate is 16 amperes, reached at 1200 R.P.M. of the armature or 20 miles per hour. Move the third brush in the direction of armature rotation to increase charging rate and in the opposite direction to decrease the charging rate. Reseat the brush after adjusting position.

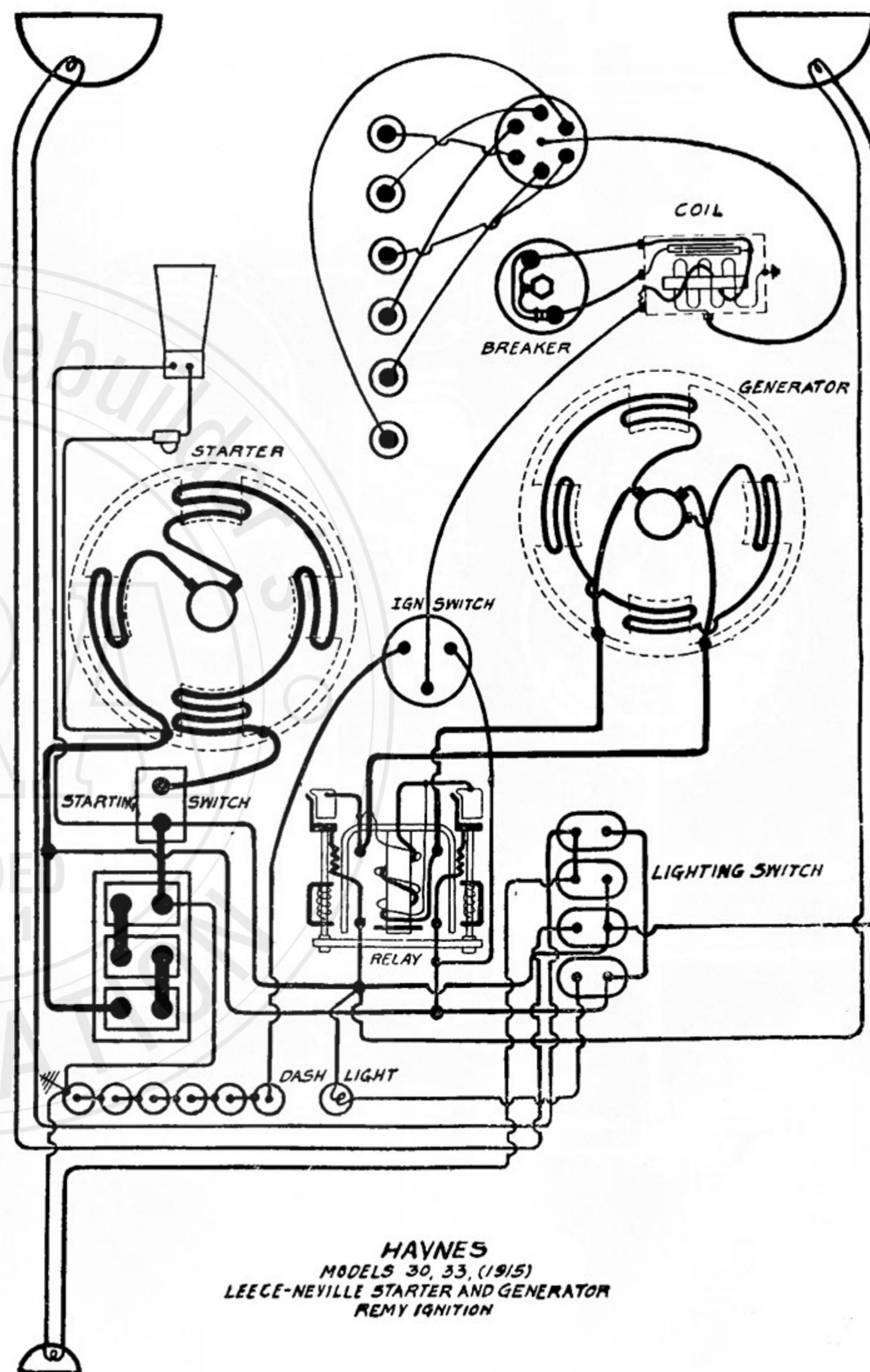
OILING.—Put 4 or 5 drops of light engine oil in each of the generator oilers every two weeks. If the car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

RELAY.—Relay closes at 8-10 miles per hour or 450-500 R.P.M. of the armature and opens at 6-8 miles per hour or 400-450 R.P.M. of the armature. Relay contacts separate $\frac{3}{64}$ inch. Clean relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface with well worn No. 00 sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS.—Head lamps are 6-8 volt, 16 cp. Dimmer lamps, when supplied, are 6-8 volt, 4 cp. All other lamps are 6-8 volt, 2 cp.

FUSES.—There is a 5 ampere fuse on the relay base to protect the generator field windings.

CIRCUIT BREAKER.—A locking circuit breaker takes the place of fuses in the lighting and ignition circuits. A current of 25 amperes will cause the circuit breaker to operate.



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LEECE-NEVILLE STARTER AND GENERATOR
REMY IGNITION