

JACKSON

MODEL 6-38 (1920-21-22-23)

AUTO-LITE GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY:—(1920-21) Willard, Type SJW-3 (1922) Exide, Type 3-XC-131, 6 volt 90 ampere hour. The negative (—) terminal is grounded.

IGNITION:—Remy. Coil Model No. 284-B. Breaker contacts separate .020 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 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 power stroke is on top dead center, spark control lever and breaker assembly one-third advanced.

Firing Order:—The firing order is 1, 5, 3, 6, 2, 4.

SPARK PLUG GAPS:—The spark plug gaps are .025 inch

STARTER:—Model M.H.-1025. Starter is connected to the engine through a Bendix drive. Starter cranks the engine at 150 R.P.M., taking 250-300 amperes.

Starter Data

Torque	R.P.M.	Amperes
2.0 lb. ft.	1160	110
6 lb. ft.	700	225
10 lb. ft.	460	325
12 lb. ft.	375	365
17.5 lb. ft.	Lock	600

Oiling:—Put 5 or 6 drops of light engine oil in the starter oilers every month.

GENERATOR:—Model GJ-1025-E. Generator current regulation is by the third brush system. Maximum current output is 12-16 amperes reached at 1700 R.P.M. of the armature, or 22 miles per hour.

Generator Data

Amperes	Cold Test	R.P.M.	Amperes	Hot Test	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

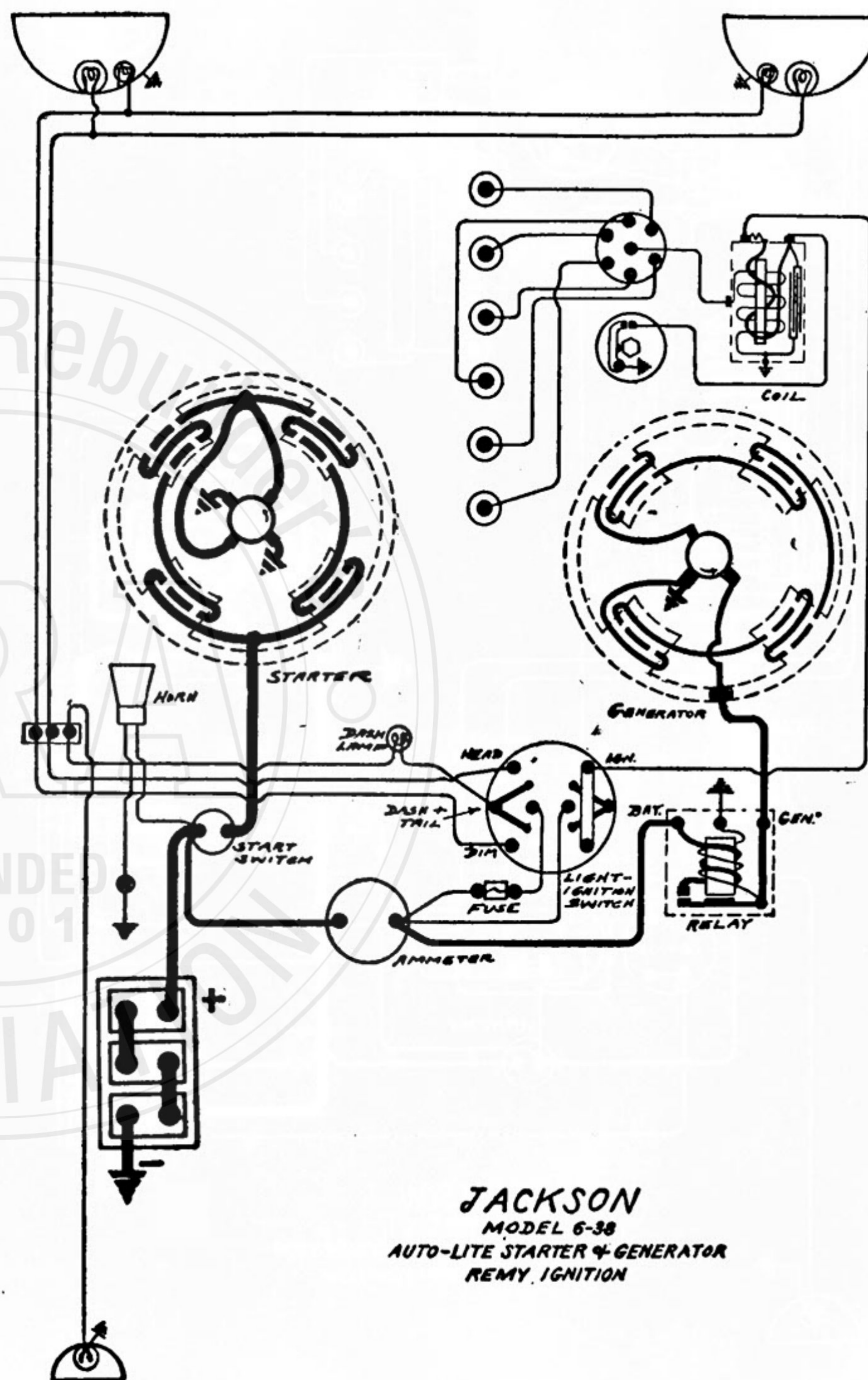
Above readings are obtained with generator charging a battery of 1.300 solution.

Oiling:—Put 4 or 5 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 6-10 miles per hour or 500-600 R. P. M. of the generator armature and opens at 300-400 R.P. M. of the armature or 6-8 miles per hour. Relay 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. 00 sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS:—Head lamps are 6-8 volt, 21 cp. Dimmer lamps are 6-8 volt, 2 cp. Dash and tail lamps are 6-8 volt, 2 cp. On the 1920-21 cars, head lamps are 6-8 volt, 17 cp. Dimmer lamps are 6-8 volt, 4 cp.

FUSE:—Lighting circuit fuse is 20 amperes.



JACKSON
MODEL 6-38
AUTO-LITE STARTER & GENERATOR
REMY IGNITION