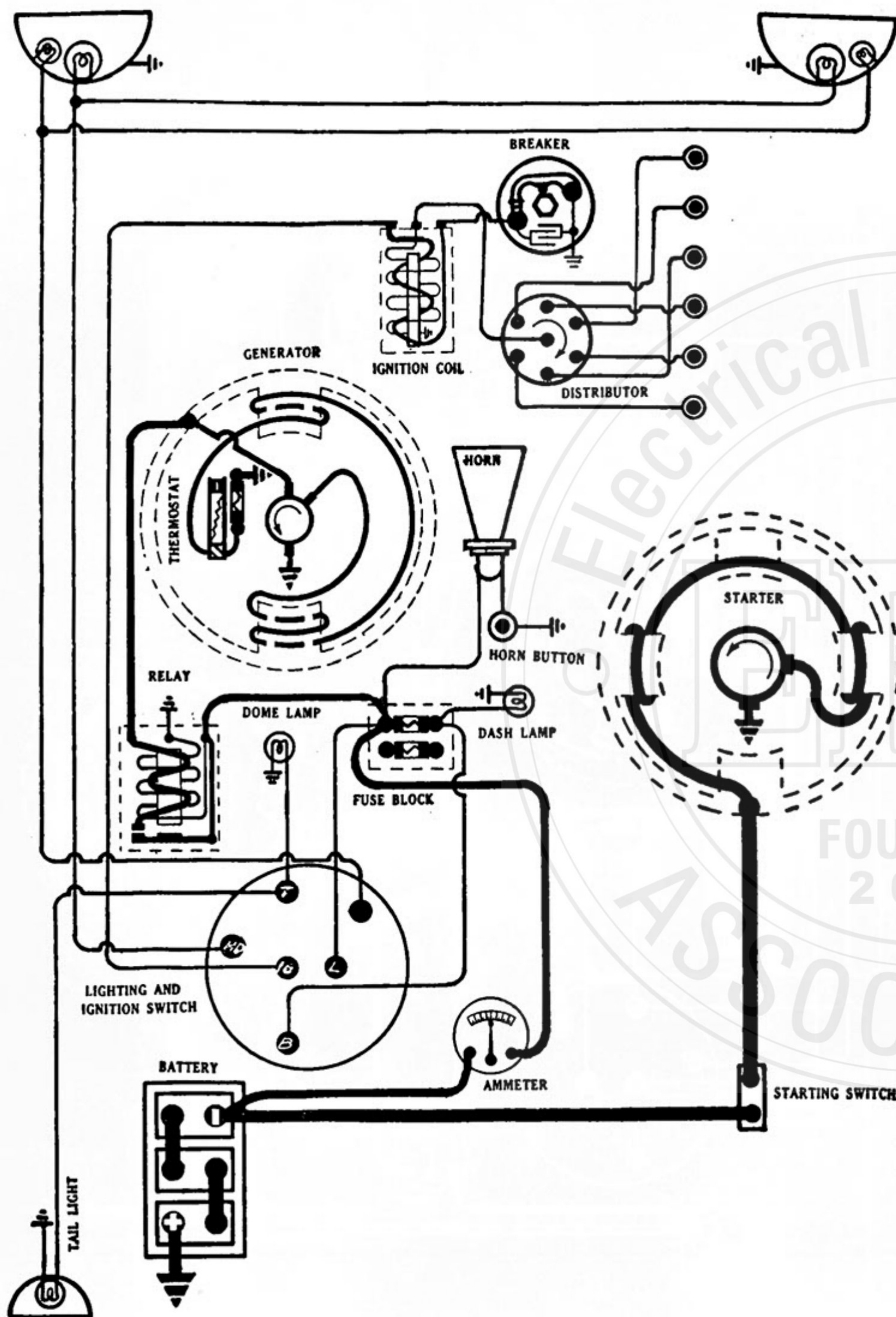




JEWETT

1922

REMY GENERATING, STARTING AND LIGHTING SYSTEM ATWATER-KENT IGNITION

BATTERY.—Willard, Type SW-4, 6 volt. The positive (+) terminal is grounded.

IGNITION.—Coil Type N-3. Distributor Type 2-A. Breaker contacts separate .015 inch. They are made of tungsten. When the condition of the contacts affects the ignition, gently scrape with a penknife or resurface on a hard oilstone.

Oiling.—Refill the distributor oiler with medium cylinder oil every 100 miles. Also place a small amount of vaseline on the breaker cam at the same time.

Timing.—Breaker contacts begin to separate when piston No. 1 entering firing stroke, and mark I.O.-1-6 is 1½ inches past indicator, spark control lever and breaker assembly fully retarded.

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

Spark Plug Gaps.—The spark plug gaps are .020-.025 inch.

STARTER.—Model No. 721-A, 713-E. Starter is connected to the engine by a Bendix drive. The direction of rotation, looking at commutator end, is counter-clockwise. Brush tension is 24-28 ounces.

Starter Test Data

R.P.M.	Torque	Amperes	Volts
5000	0 lbs. ft.	65	5.0
Lock	12 lbs. ft.	475	3.6

Oiling.—Fill oil cup on each end of starting motor with light cylinder oil every 500 miles.

GENERATOR.—Model No. 913-E. The direction of rotation, looking at commutator end, is counter-clockwise. Generator current regulation is by the third brush system and thermostat control. Maximum charging rate is 20 amperes, at 8.5 volts, at 1800 R.P.M. The field draws 5 amperes at 6 volts.

Generator Test Data

Hot Test			Cold Test		
Amperes	Volts	R.P.M.	Amperes	Volts	R.P.M.
11	8.2	1900	0	—	675
			7	7.1	825
			20	8.5	1800

To adjust the charging rate, shift the third brush. Moving the third brush in the direction of armature rotation increases the charging rate and in the opposite direction decreases the charging rate. The brush tension should be 16 ounces on each brush.

Oiling.—Fill oil cup at each end of generator with light engine oil every two weeks. If car is driven more than 500 miles in two weeks this care must be given every 500 miles.

RELAY.—Model No. 266-A or 266-B. Relay closes at 6.9 volts or 675 R.P.M. of armature, and opens at 6 volts. Relay contacts separate .014 inch. Air gap between armature and coil core is .014 inch, contacts closed. Clean relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface on a hard oilstone.

LAMPS.—Head lamps are 6-8 volt, 21 cp., S.C. Dimmer lamps are 6-8 volt, 4 cp., S.C. Tail lamp is 6-8 volt, 2 cp., S.C. Dash lamp is 6-8 volt, 2 cp., D.C. Dome lamp is 6-8 volt, 4 cp., D.C.

FUSES.—Generator field fuse is 5 ampere. Lighting circuit fuse is 20 ampere.