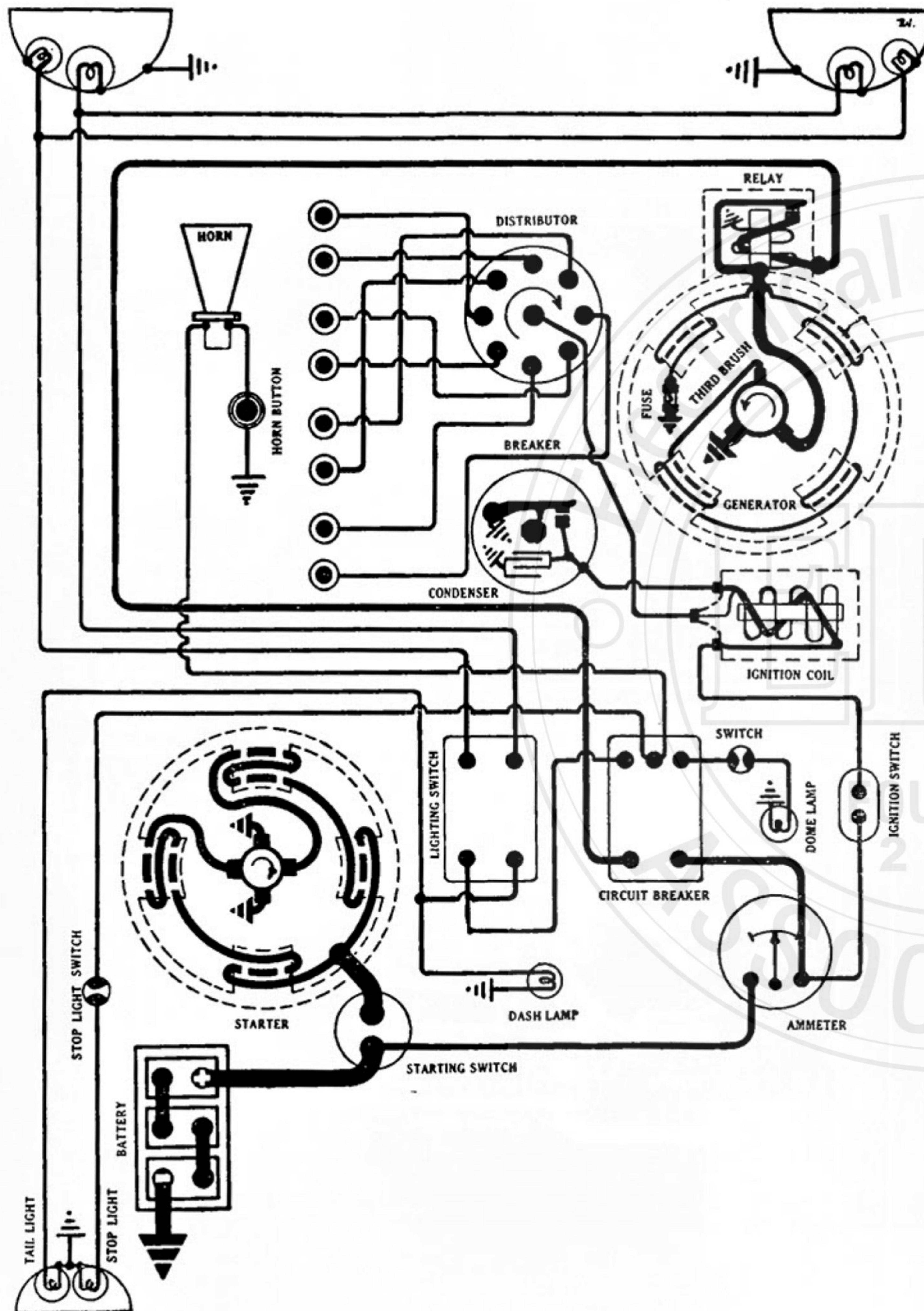


JORDAN

MODEL J (1926) SERIAL NOS. 70001 UP

AMERICAN BOSCH GENERATING, STARTING AND LIGHTING SYSTEM AMERICAN BOSCH IGNITION



BATTERY.—Willard, Type CRR-15. 6 volt, 105 ampere hour. Starting capacity is 114 amperes for 20 minutes. Lighting capacity is 5 amperes for 20 hours. The negative (—) terminal is grounded.

IGNITION.—Coil Model TC-34-VL. Distributor Model T-8218. Breaker contacts separate .015-.018 inch. Resurface contacts with a fine, flat jeweler's file or on a medium hard oilstone.

Oiling.—Fill the oiler on the side of the distributor housing with light engine oil every month or each 1000 miles. Put one drop of oil on the interrupter lever arm pivot and place a small bit of heavy grease on the face of the breaker cam under the fiber bumper every month.

Timing.—Breaker contacts begin to separate when the piston entering power stroke reaches top dead center with the spark control lever in the half advanced position, or midway between the fully retarded and fully advanced ends of the segment.

Firing Order.—The firing order is 1-6-2-5-8-3-7-4.

Spark Plugs.—Spark plug diameters are $\frac{7}{8}$ inch. Gaps are .025-.030 inch.

STARTER.—Model 965. Starter is connected to the engine through a Bendix drive. The direction of rotation is clockwise, looking at the commutator end.

Starter Data

Torque	R.P.M.	Volts	Amperes
0 lb. ft.	2000	6	60
22 "	Lock	3.5	500

Oiling.—Starter bearings are of the oilless type. They require no attention.

GENERATOR.—Model 1277. The direction of rotation is counter-clockwise, looking at the commutator end. Generator current regulation is by the third brush system. To adjust generator output, remove timer adapter end plate and loosen the hexagonal headed screw which holds the third brush plate in position. Then move the third brush in the counter-clockwise direction to increase the charging rate and in the opposite direction to decrease the charging rate. Maximum charging rate is 16-18 amperes reached at 1100-1300 R.P.M. or approximately 18.5-21.5 M.P.H.

Generator Data

Cold Test			Hot Test		
Amperes	Volts	R.P.M.	Amperes	Volts	R.P.M.
0	6.75	550	0	6.5	625
8	7	750	2.5	6.5	700
12	7.6	850	8	7.5	900
16-18	8	1300	13	8	1300
12.6	8	2000	11	8	2000
9.5	7.6	2800	9	7	2800

Motoring freely, generator draws 6 amperes at 6 volts. Shunt field current is 6.6 amperes at 6 volts. Generator brush spring tension is $1\frac{1}{2}$ - $1\frac{3}{4}$ pounds each.

Oiling.—Put 4 or 5 drops of light engine oil in each of the generator bearing oilers every month or each 1000 miles.

RELAY.—Relay is mounted on the generator. Relay contacts close when the voltage of the generator reaches 6.5-7.5 volts and open with a discharge current of 1-3 amperes. Contacts separate .015 inch. Air gap between relay armature and coil core is .010 inch, contacts closed.

LIGHTING.—Kellogg Switch, Model 404. Head and stop lamps are each 6-8 volts, 21 cp. S. C. Dimmer lamps are 6-8 volt, 6 cp. S. C. Dome lamp is 6-8 volt, 4 cp. S. C. Dash and tail lamps are each 6-8 volt, 2 cp. S. C. A vibrating circuit breaker protects the lighting circuits. Ignition current does not pass through the circuit breaker.