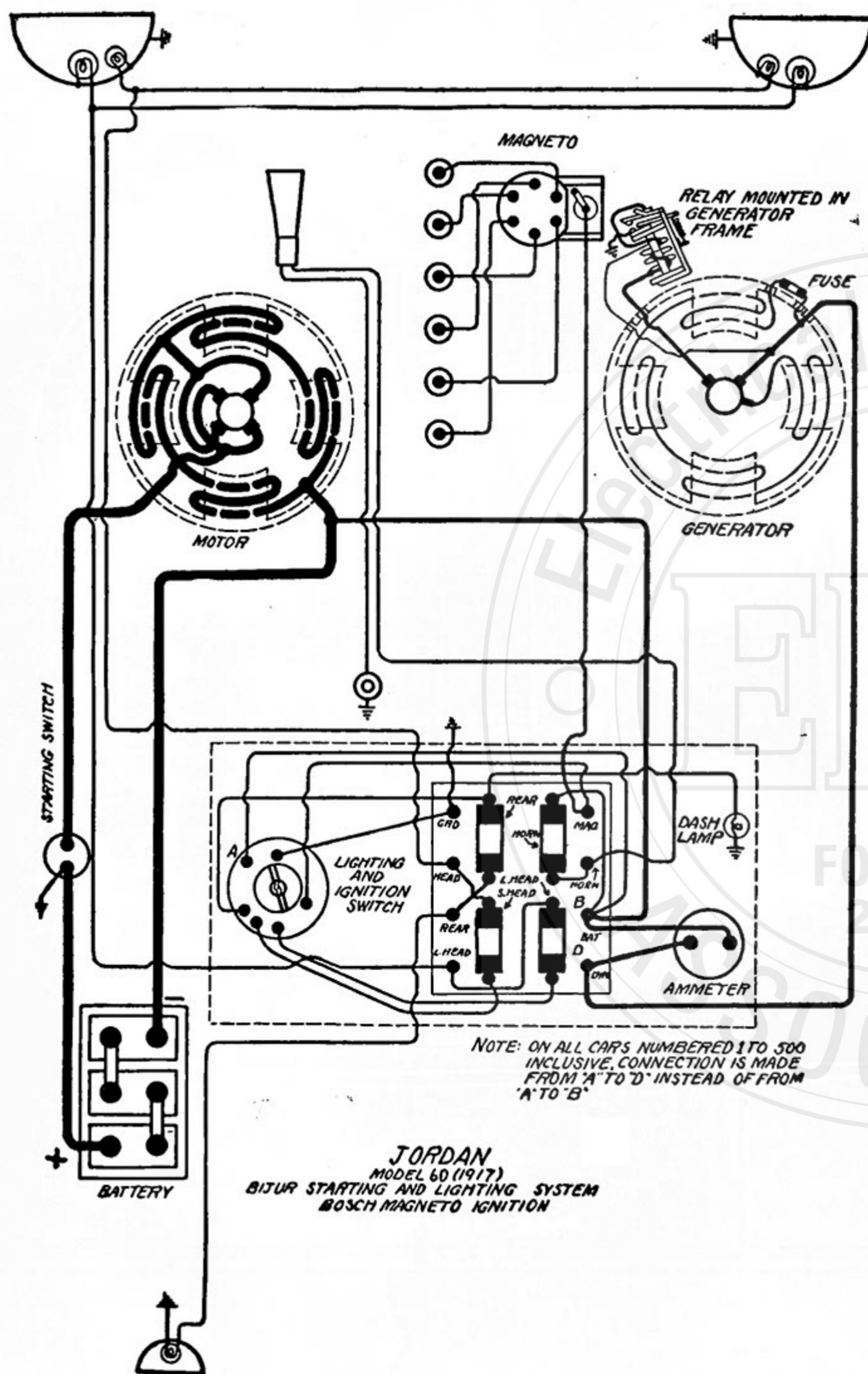




Jordan

MODEL 60 (1917)

BIJUR GENERATING, STARTING AND LIGHTING SYSTEM BOSCH MAGNETO IGNITION

BATTERY.—Battery is 6 volt, 80 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Magneto breaker contacts separate .014 to .016 inch. When the condition of the points affects the ignition, resurface with a fine, flat jeweler's file or worn No. 00 sandpaper.

OILING.—Put 2 or 3 drops of light machine oil in each of magneto bearing oilers and a very small amount of vaseline on fiber bumper of contact arm, applying with a toothpick, every month. If car is driven more than 1000 miles in a month, these attentions must be given every 1000 miles.

TIMING.—Magneto breaker contacts begin to separate when mark "1-6 DC" on flywheel is $\frac{5}{8}$ to $\frac{3}{8}$ inch before indicator, spark control lever and breaker assembly in the fully retarded position.

FIRING ORDER.—The firing order is 1, 5, 3, 6, 2, 4.

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

STARTER.—Type ED-160, Model 979, anti-clockwise rotation, commutator end. Starter is connected to the engine through a Bijur automatic gear shift, treated on Page 286.

OILING.—Put several drops of engine oil in each of starter oilers every month.

GENERATOR.—Type L-61, Model 832 or 1090, anti-clockwise rotation, commutator end. Generator current regulation is by third brush system. Maximum generator output is 12-16 amperes, reached at 20-25 miles per hour, or 1400-1600 R.P.M. of armature. Output is varied by shifting third brush. Third brush is secured to generator by two stud bolts, the nuts of which appear in a recess in the front head of generator. Loosen these nuts with a socket wrench and shift the brush by gently tapping the shank of the wrench. Shifting the brush in the direction of the armature rotation will increase the output. Shifting the brush in the opposite direction will decrease the output. Shifting the brush $\frac{1}{16}$ inch will vary the output 2 or 3 amperes. Tighten the nuts after adjusting the brush. Brush adjustment is made to give the desired rate with generator hot and charging a 3-cell battery, battery reading 1.250 or above. There is a 20 ampere fuse in the small aluminum cap on generator housing to protect the generator windings, should excessively high resistance occur in the charging circuit.

OILING.—Put 5 or 6 drops of light engine oil in each of the generator oilers every two weeks. If car is driven more than 500 miles in two weeks, oiling must be done every 500 miles.

RELAY.—Relay closes at 10-12 miles per hour or 500-600 R.P.M. of armature, and opens at 8-10 miles per hour or 450-500 R.P.M. of armature. The charging current is 1-3 amperes at closing and the discharge current 0-1 ampere at opening of relay.

LAMPS.—Head lamps are 6-8 volt, 18 cp. Dimmer lamps are 6-8 volt, 4 cp. Dash lamp is 6-8 volt, 3 cp. Tail lamp is 6-8 volt, 3 cp.

FUSES.—Fuses are 20 ampere.