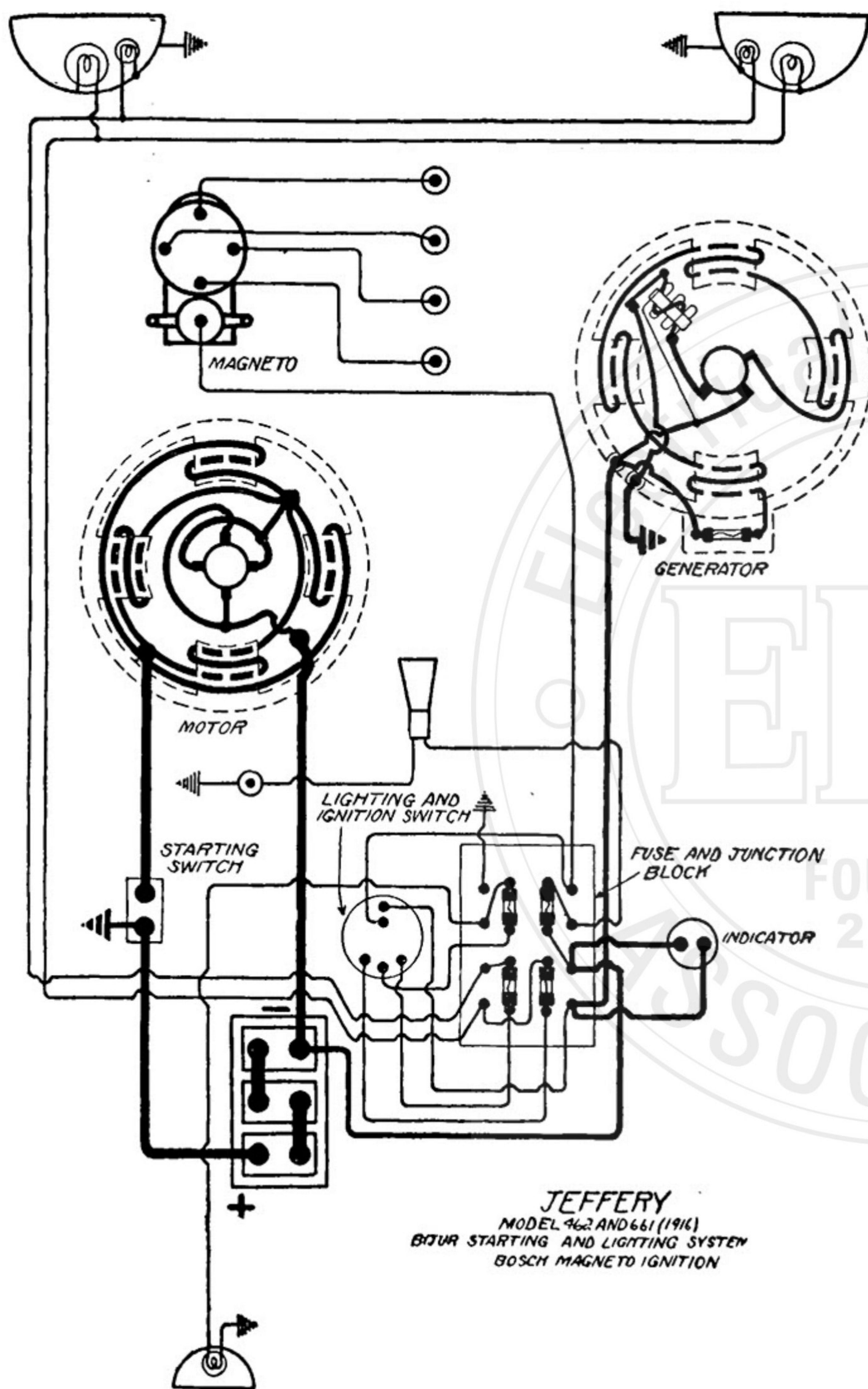




Jeffery

Models 462 and 661 (1916) Bijur Starting and Lighting System Bosch Magneto Ignition

Battery.—Battery is 6 volt, 80 ampere-hour. The positive (+) terminal is grounded at the starting switch.

Ignition.—Breaker contacts should open .014 inch to .016 inch. Clean contacts with gasoline frequently. If they are burned or pitted, resurface them with a fine flat jeweler's file or a strip of worn No. 00 sand paper.

Timing.—Contacts should begin to separate when the 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 of Model 462 is 1, 3, 4, 2. The firing order of Model 661 is 1, 5, 3, 6, 2, 4.

Spark Plug Gaps.—Spark plug gaps should be .018 inch to .020 inch.

Oiling.—Put 3 or 4 drops of light machine oil in each of the magneto oilers every two weeks. If car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

Starter.—Starter is connected to the engine by a pinion shifted by the operator. When the starting pedal is depressed part way, the motor is connected to the battery, in series with a resistance. This action causes it to rotate slowly to facilitate meshing of the gears. Further depressing the switch opens the circuit and meshes the pinion with the flywheel gear finally connecting the motor winding direct to the battery, causing it to operate at full power, cranking the engine.

Oiling.—Put several drops of light engine oil in each of the motor oilers every two weeks.

Generator.—Generator current regulation is by third brush system. Relay is in the generator frame. Relay should close at about 10 and open at about 8 miles per hour.

Fuse.—There is a 10 ampere fuse in the small aluminum cap mounted on the generator head. This fuse is in the shunt field circuit. It will burn out, rendering generator inoperative, if generator is run with excessive resistance in the charging circuit. Remove this fuse if it is necessary to operate generator with battery disconnected.

Output.—The normal generator output should be about 14 amperes at 20-25 miles per hour car speed or about 1400 R. P. M., of generator, specific gravity of the battery reading 1.250 or above.

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.

Lamps.—Head lamps are 7.5 volts, 18 cp. Dimmer lamps are 7.5 volts, 4 cp. Tail lamp is 7.5-8 volts, 3 cp. Dash lamp is 7.5-8 volts, 3 cp.

Fuses—Lighting fuses are 20 ampere.