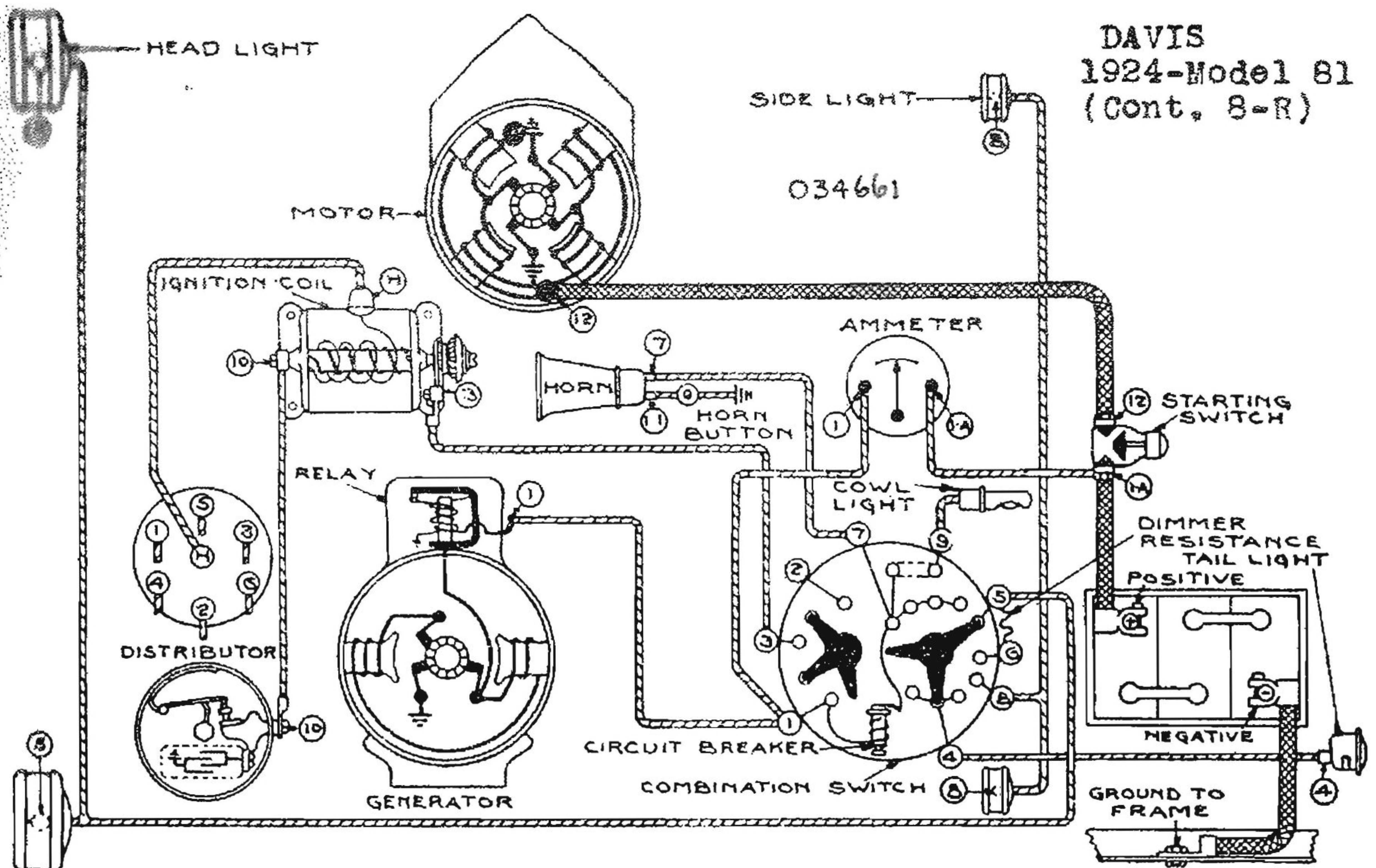




TEST DATA

Davis, 1924 Model 81, 8-R Cont.

STARTING MOTOR No. 181, Delco-Remy

Stall Torque—27 Ft. lbs., 2.75 Volts at motor.
Brush Spring Tension—2¼-2¾ lbs. on each.
Bearings and Lubrication—Plain bearing at commutator end of armature shaft, bronze bearing at opposite end. Bendix shaft runs in oilless bearings. Place 8-10 drops of engine oil in the two oilers every 1,000 miles.

GENERATOR No. 258, Delco-Remy

Generator Test—Hot, 4 Amps. minimum at 800 r.p.m. Maximum 16-18 Amps. at 1,600 r.p.m. Average output required, 15 Amps.
Brush Spring Tension—1¼-1½ lbs. on each.
To Adjust Charging Rate—Loosen generator cover band. Shift third brush arm mounting plate in direction of armature rotation by means of handle on plate, to increase charging rate. Plate held in any position by friction clamp washers.
Note—Above readings taken at generator. Readings at ammeter on dash will be 2 Amperes lower. If generator is tested COLD, add 3 Amperes to above readings.

DISTRIBUTOR No. 5256, Delco-Remy

Firing Order—1-5-3-6-2-4.
Contact Separation—.020-.025".

Contact Spring Tension—13-16 oz.
Manual Advance—30 degrees.
Automatic Advance—30 degrees. Starts operating at 550 r.p.m.
Maximum Advance—at 2,000 r.p.m., 17-21 degrees.
Total Manual and Automatic Advance—51 degrees.
Timing Operation—Fully retard spark lever. Crank engine until No. 1 piston is on top dead center of compression stroke. Loosen advance lever clamp. Turn distributor cup anti-clockwise until rotor segment occupies a position under H.T. terminal connected to No. 1 cylinder. Carefully adjust the distributor cup until the lobe of the cam is just separating the contacts. Tighten clamp screw.

LIGHTING AND IGNITION SWITCH

Circuit Breaker—Vibrating type. Starts operating 25-30 Amps. Continues operating 10-15 Amps.

Switch Circuit Tests—
 Both levers "OFF"—1 & 7-4 & 5.... Connected
 Ignition lever "ON"—1, 2, 3 & 7.... Connected
 Light lever, 1st position—1, 7 & 4.... Connected
 Light lever, 2nd position—1, 7, 4 & 6.... Connected
 Light lever, 3rd position—1, 7, 4 & 6.... Connected
 Light lever, 4th position—1, 7, 4 & 5.... Connected
 Cowl button "ON"—1, 7 & 9.... Connected