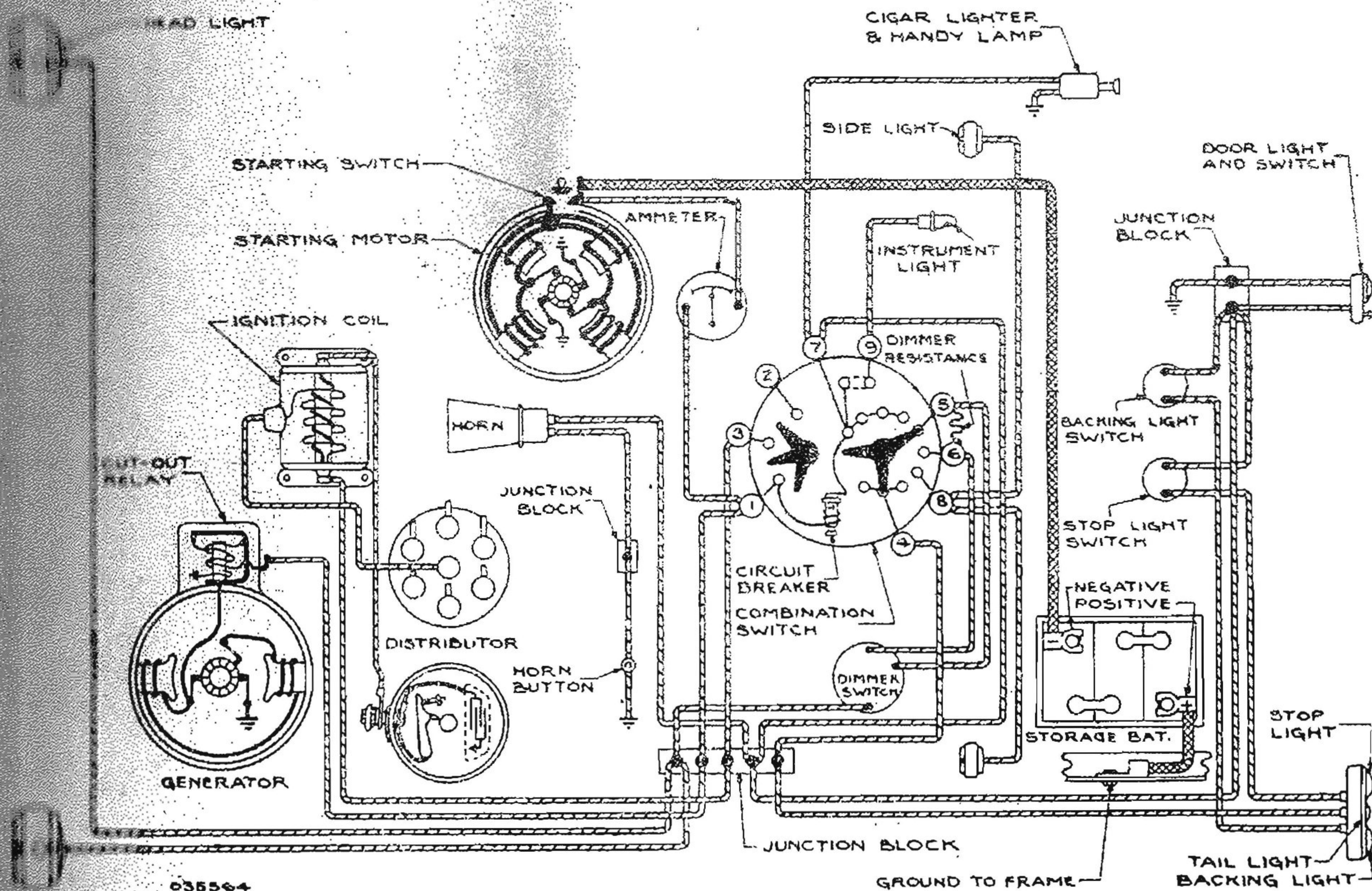


MARMON, 1925—MODEL 74

Courtesy Delco-Remy Corp., Anderson, Ind.



TEST DATA

Marmon 1925 Model 74

STARTING MOTOR No. 254

Stall Torque—24 Ft. lbs., 2.75 Volts at motor.
No Load Test—60 Amperes at 6 Volts.
Brush Spring Tension—2¼-2¾ lbs. on each.

GENERATOR AND DISTRIBUTOR No. 253

Generator Test—Hot. 4 Amperes minimum at 800 r.p.m. Maximum 17 Amperes at 1600 r.p.m. Average output required, 14 Amperes.

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.

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.

Brush Spring Tension—1¼-1¾ lbs. on each.

Cut-Out Relay—Contacts close 6¾-7½ Volts. Separate with discharge 0.8 Amperes. Gap between frame and armature with contacts closed .015-.020 inch. Spring tension controlled by bending long brass stop; the gap by bending short brass stop. To raise cut-in volt-

age, increase spring tension or increase gap. To lower cut-in voltage, decrease gap and if necessary slightly decrease spring tension. Then decrease discharge current, increase spring tension and decrease gap.

DISTRIBUTOR

Contact Separation—.020-.025 inch.
Contact Spring Tension—16-20 oz.
Automatic Advance—Start 400-500 r.p.m. Maximum 25.5 degrees at 1600 r.p.m.
Manual Advance—40 Degrees.
Total Automatic and Manual—65.5 Degrees.
Firing Order—1-5-3-6-2-4.

COMBINATION SWITCH No. 1213

Circuit Breaker—Vibrating type. Starts 25-30 Amperes. Operates 10-15 Amperes.

Switch Circuit Tests—

Both levers "OFF"—1 & 7—4, 5 & 6..Connected
Ignition lever "ON"—1, 2, 3 & 7..Connected
Light lever 1st position—1, 4 & 7..Connected
Light lever 2d position—1, 4, 7 & 8..Connected
Light lever 3d position—1, 4, 5, 6 & 7..Connected
Light lever 4th position—1, 4, 5, 6 & 7..Connected
Cowl button "ON"—1, 7 & 9..Connected