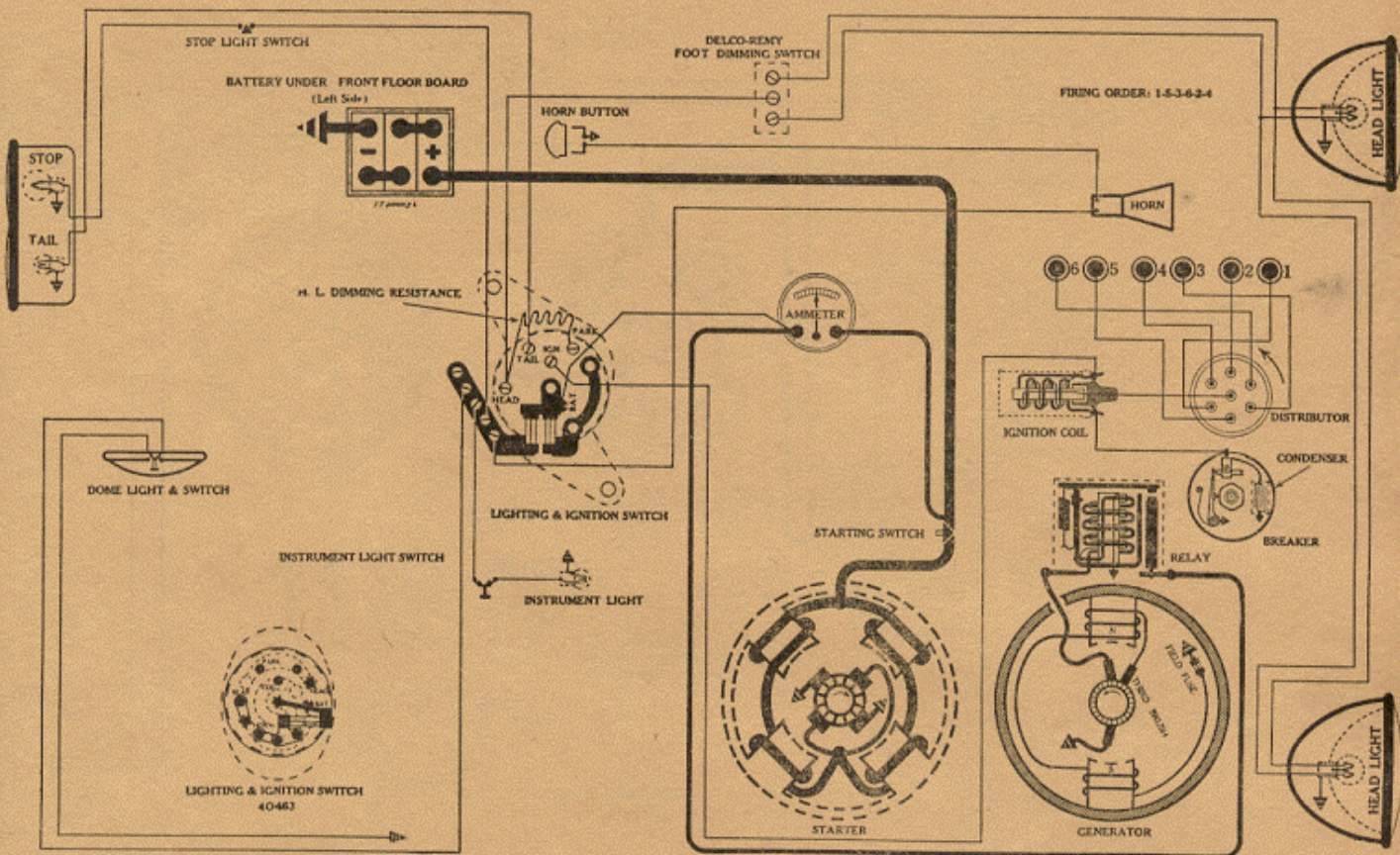


FALCON-KNIGHT

1927-28



BATTERY

U. S. L., 3-HVX-7X, 6 volts. Negative Terminal Grounded
 Starting Capacity—148 amps. for 20 minutes.
 Lighting Capacity—5 amps. for 28 hours.
 Box—Length, 11 3/4; width, 7 7/16; height, 9 3/4 inches.

STARTER

Rotation, R. H., Com. End
 Auto-Lite, MAB-4002

Connection to Engine—Bendix drive.
 Running Free—60 amps. at 6 volts.
 Cranking Engine—160-170 amps. at 5 volts.
 Lock Torque—17 pound-feet, 520 amps. at 3 volts.
 Brush Spring Tension—24-28 oz. on each.
 Starting Switch—Auto-Lite, SW-4001.

IGNITION

Rotation, L. H., Top View
 Auto-Lite, Dist. No. IG-4107B

(Semi-Automatic Spark Advance)

Breaker—Contact separation .020 to .024 inch.
 Contact Spring Tension—18-20 oz.
 Timing—See detailed instructions P. 1, Sec. AA.
 1—Locate T. D. C. 2—Locate rotor. 3—Set spark.
 Spark Plugs—7/8 inch regular; Gap .025 inch.
 Firing Order—1-5-3-6-2-4.
 Manual Advance—20 degrees (on Flywheel).
 Automatic Advance—20 degrees (on Flywheel).

Eng. R.P.M.	Degrees Advance (on flywheel)	Dist. R.P.M.	Degrees Advance (on cam)
600	0-1	300	0-.5
1300	8	650	4
2000	16	1000	8
2400	20	1200	10

Coil—Auto-Lite, IG-4065.

GENERATOR

Rotation, L. H., Com. End
 Auto-Lite, Type GYA-4202

Performance Data—Gen. cold.

Amps.	R.P.M.	Volts
2	620	6.6
5	700	7.
10	860	7.3
14	1050	7.7
16	1200	7.9

Maximum Charging Rate (cold)—19 amps. at 8 volts or 17.75 amps. at 7.5 volts.

Motoring Freely—5 amps. at 6 volts.

Max. Stall Current—18 amps. at 6 volts.

Field Test—3.8 amps. at 6.2 volts directly across field coils in series.

Field Fuse—5 amps.

Brush Spring Tension—1 1/4-1 1/2 lbs. on each.

Third Brush Adjustment—Loosen cover band. See Fig. 13, P. 7, Sec. AA.

RELAY

Auto-Lite, CB-4007

Closes—7-7.5 volts.

Opens—1/2-2 1/2 amps. discharge.

Contact Gap—.025-.035 inch.

Core Gap—.010-.030 inch, contacts closed.

LIGHTING

Switch—Briggs & Stratton No. 40463 (used with 1129 bulbs, 1927).

Fuses—Single 20 amp. fuse mounted on switch back.

Switch—Briggs & Stratton No. , (used with 1110 Bifocal bulbs, 1928).

Fuses—Two, 20 amp. fuses mounted on switch back.

Foot Dimming Switch—Delco-Remy, 465-B.

Lamps—See P. 3, Sec. AA. HEAD—1110 (Bifocal) or 1129; TAIL—63; INSTRUMENT—63; DOME—81; STOP—87.