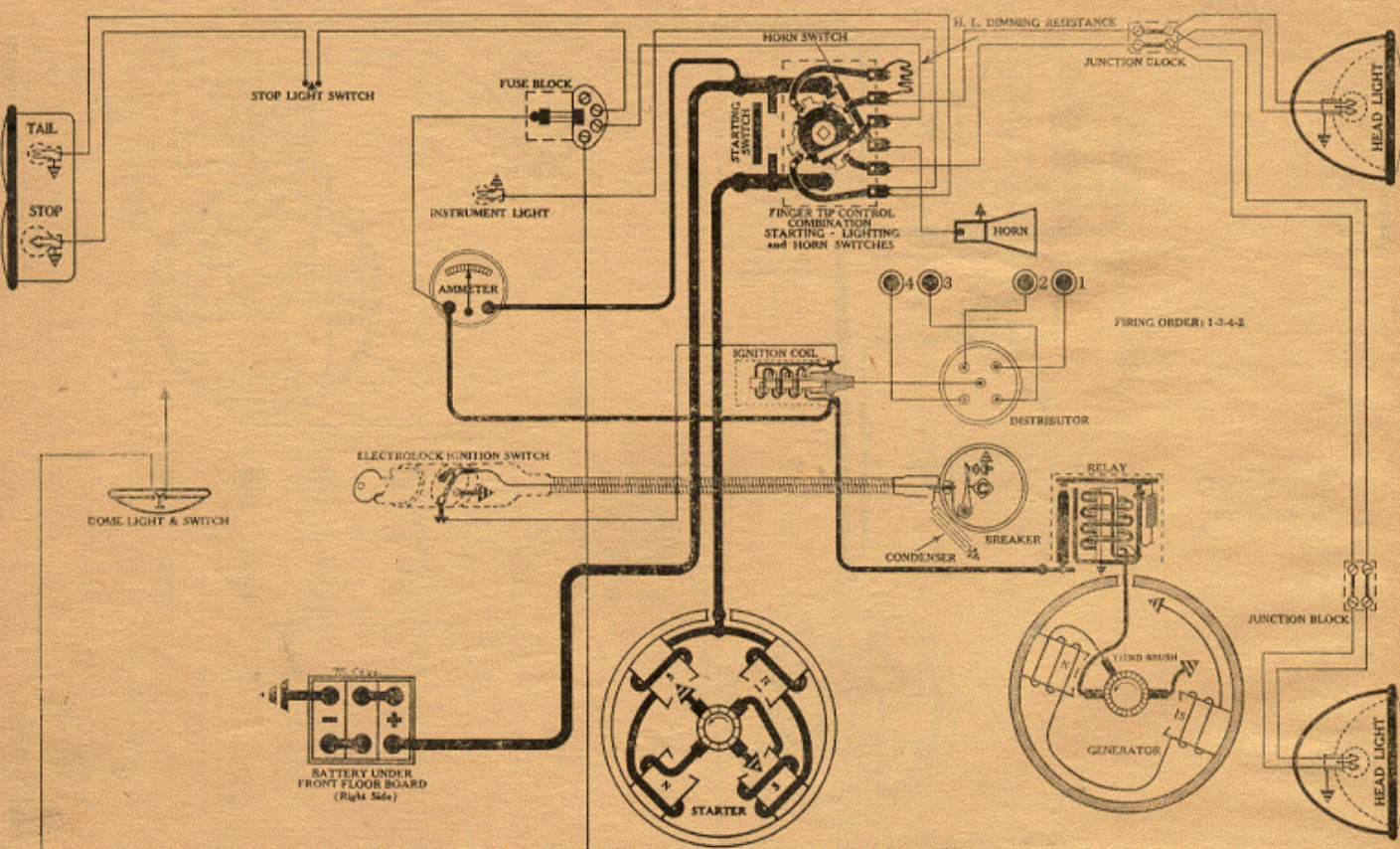


WHIPPET

Model 96-A, 4 Cyl., (1929-30)



BATTERY

U. S. L., 3-CVX-5X-6A, 6 volts. Negative Terminal Grounded

Starting Capacity—96 amps. for 20 minutes.

Lighting Capacity—5 amps. for 17 hours.

Box—Length, 9 1/16; width, 7; height, 9 1/4 inches.

STARTER

Rotation, L. H., Com. End
Auto-Lite, MZ-4001

Connection to Engine—Bendix drive.

Running Free—60 amps. at 5.5 volts.

Cranking Engine—180 amps. at 5.2 volts, 200 R. P. M.

Lock Torque—10 pound-feet, 490 amps., 3.6 volts.

Brush Spring Tension—20 to 24 oz. on each.

Starting Switch—Located foot of steering column. Operated by pulling up on horn button.

IGNITION

Rotation, R. H., Top View
Auto-Lite, IGB-4020-A

NOTE: This unit is of the full automatic type; however, the spark may be retarded for starting, and on heavy grades, by pulling out on spark knob.

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" Semi-Aircraft (AC type Y); Gap .025 inch.

Firing Order—1-3-4-2.

Manual Retard—14 degrees (on Flywheel).

Automatic Advance—24 degrees (on Flywheel).

Eng. R.P.M.	Degrees Advance (on Flywheel)	Dist. R.P.M.	Degrees Advance (on cam)
800	0-1	400	0-5
1200	2	600	1
2400	14	1200	7
3000	20	1500	10
3400	24	1700	12

Coil—Auto-Lite, IG-4065.

Ignition Switch—"Electrolock", Type 9-A. For theory of operation and instructions on servicing see P. 21, Sec. AA.

GENERATOR

Rotation, L. H., Com. End
Auto-Lite, GAL-4116

Performance Data—Gen. cold.

Amps.	R.P.M.	Volts	Amps.	R.P.M.	Volts
0	650	6.5	10	1075	7.3
2	720	6.6	14	1340	7.7
5	850	7	16	1800	8

Motoring Freely—5-5 1/2 amps. at 6 volts.

Max. Stall Current—16-19 amps. at 6 volts.

Field Test—4.7 amps. at 6 volts across field coils in series.

Field Fuse—(None).

Brush Spring Tension—20 to 24 oz. on each.

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

RELAY

Auto-Lite, CB-4014

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 40941 (Early 1929). Briggs & Stratton 50160 (Late 1929-30).

Location—Foot of steering column. This unit is a combination starting switch, lighting switch, and horn switch, all being controlled by horn button on steering wheel. For details of construction and instructions on servicing see P. 28, Sec. AA.

Fuses—Single 20 amp. fuse mounted on block under engine hood (left side).

Lamps—See P. 3, Sec. AA. HEAD—1110 (Bifocal); INSTRUMENT—63; DOME—63; STOP AND TAIL (Single Socket)—1158.

NOTE: This is the old style Ford headlight bulb with two filaments; make sure the 3 C. P. filament burns for tail light.