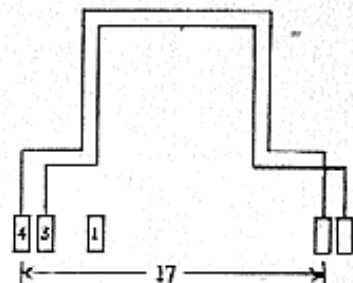


# STEPHENS, 1920, Model 80, Series 2 - Auto-Lite System.

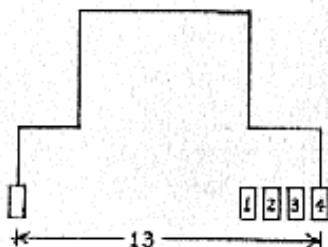
Connecticut Ignition

## GENERATOR ARMATURE DIAGRAM

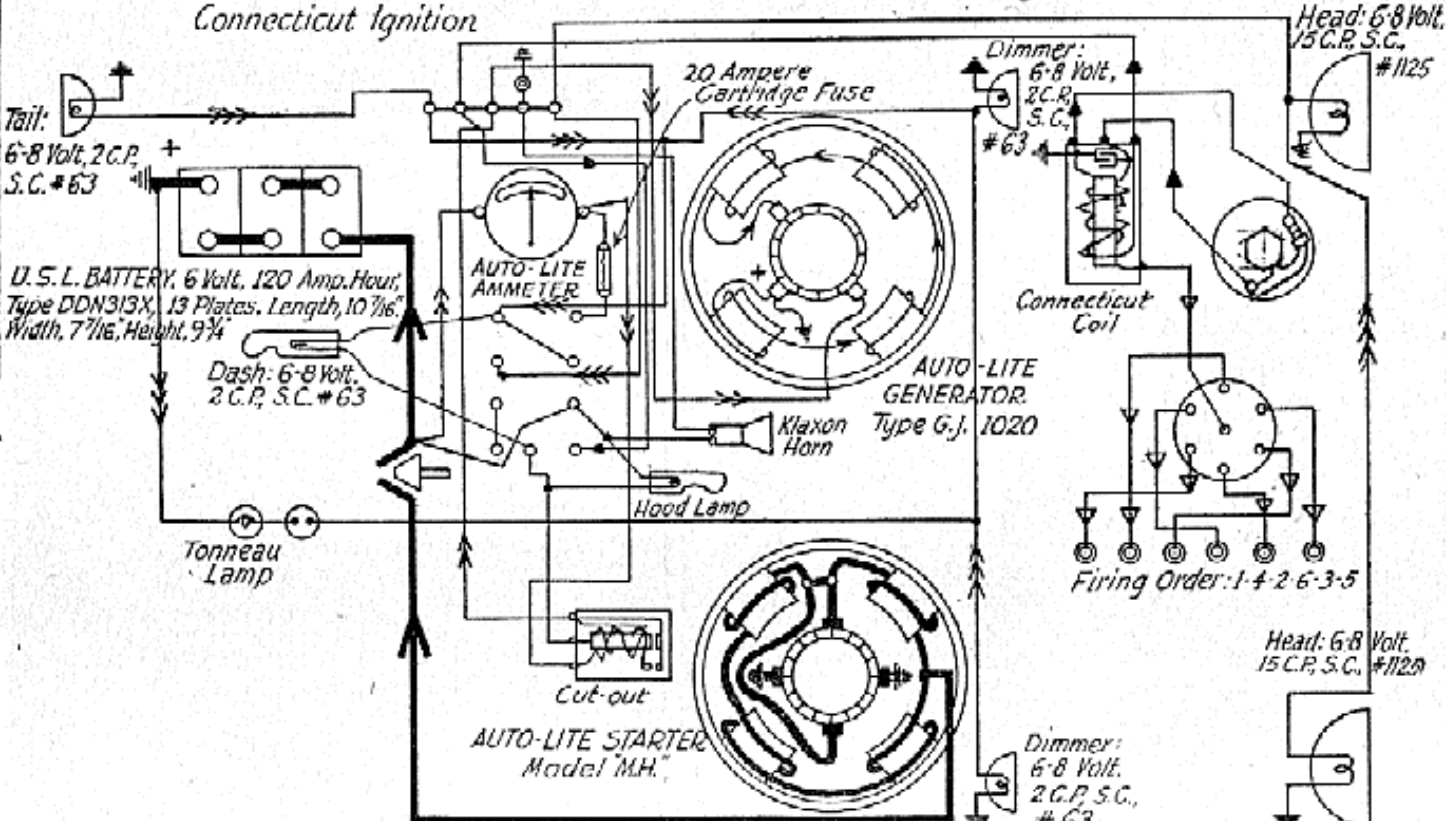


Coil Pitch 1-5 Turns 6  
Wire # 17 S.C.E.  
Leads: Top 3-4 left, Bottom 17 right  
Wave Winding

## STARTER ARMATURE DIAGRAM



Coil Pitch 1-7 Turns 1  
Wire .110 x .225  
Leads: Top 4 right, Bottom 13 left  
Wave Winding



### SPECIFICATIONS

#### BRUSHES:

GENERATOR: Graphite,  $\frac{3}{4} \times \frac{7}{8} \times \frac{9}{32}$ "  
THIRD BRUSH: Graphite,  $\frac{3}{4} \times \frac{7}{8} \times \frac{3}{16}$ "

Tungsten Contacts open .025"

Set Breaker Points so that they open when piston is at top dead center: spark fully retarded

#### GENERATOR OUT-PUT:

Cold Test		Hot Test	
R.P.M.	Amp.	R.P.M.	Amp.
500	0	460	0
750	8	840	6
960	12	1050	9
1400	16	1360	12
1700	16½	1700	12.7
3400	12	3400	10

Cut-out points close at 9 miles per hour and open at 7 miles per hour.

- ▲ Starting
- ▲ Charging
- ▲ Shunt
- ▲ Lights
- ▲ Ignition Primary
- ▲ Ignition Secondary
- + Wires Insulated
- + Wires Connected