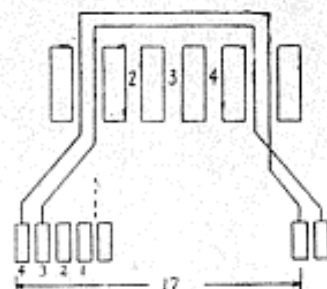


WILLYS KNIGHT, 1921, MODEL 20 - AUTO-LITE SYSTEM - Connecticut Ignition

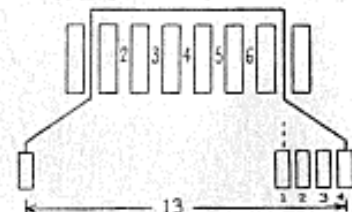
Head: 6-8 Volt,
30 Candle Power,
Single Contact
#1129

GENERATOR ARMATURE DIAGRAM



Span 1-5
Turns 6
Wire #17 S.C.E.
Top 3-4 left - Bottom 17 right of top
Wave Winding

STARTER ARMATURE DIAGRAM

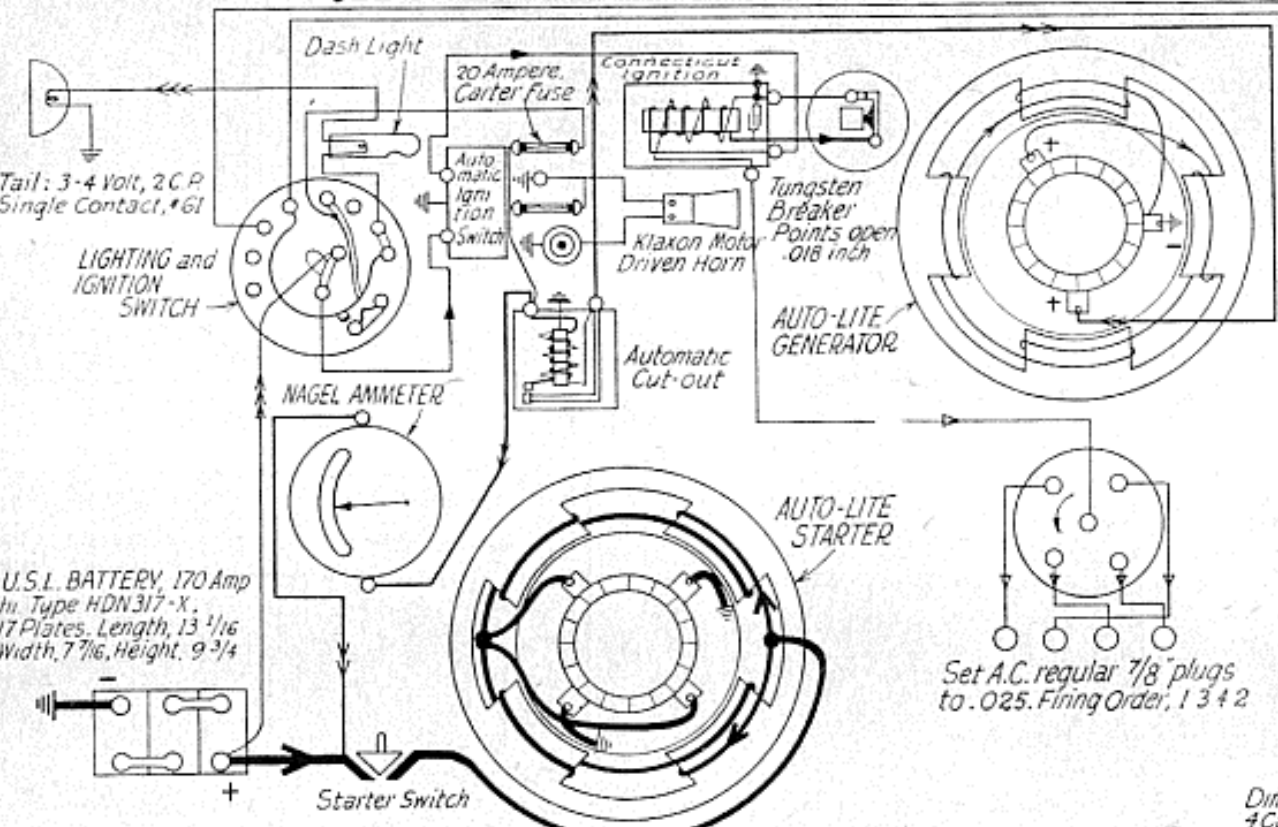


Span 1-7
Turns 1
Wire .110 x .225
Top 4 right - Bottom 13 left of top
Wave Winding.

Head: 6-8 Volt,
4 Candle Power,
Single Contact, #81

Cut out points close at 8 to 10 miles per hour and open 6 to 8 miles per hour. Contacts separate .030" to .040"

Timing. Set points so that they open when piston is at top dead center, spark fully retarded



SPECIFICATIONS

BRUSHES GENERATOR, graphite, 3/4 x 7/8 x 9/16
THIRD BRUSH, graphite, 3/4 x 7/8 x 3/16
STARTER, metal, 3/4 x 7/8 x 9/16

GENERATOR OUT-PUT:

| R P M | Amperes | |
|-------|---------|--------------------------------------|
| 500 | 0 | Generator controlled by 3rd brush |
| 600 | 4 | |
| 960 | 12 | |
| 1400 | 16 | |
| 1700 | 16 1/2 | |
| 3400 | 12 | |

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

Compiled and Edited by
Automotive Electrical Engineer
1922