

HOLLIER

MODELS 158, 168, 178, 188, 196, 198, 206 (1915-16-17-18-19) SPLITDORF-APELCO GENERATING, STARTING AND LIGHTING SYSTEM ATWATER KENT IGNITION

BATTERY.—Willard, 6-12 volt, 45 ampere-hour. The negative (—) terminal is grounded.

IGNITION.—Type K-2. Contacts separate .010 to .012 inch. They are made of tungsten. When the condition of the points affects the ignition, remove and resurface with fine emery cloth or against the flat side of an emery wheel, finishing on a hard oil stone.

Oiling.—Put a drop of light machine oil on each of the wearing parts of breaker, and 4 or 5 drops of light machine oil in the oil hole beside the notched shaft, every two weeks. Put a very small amount of vaseline on the notched shaft, applying with a toothpick. If car is driven more than 500 miles in two weeks, these attentions must be given every 500 miles.

Timing.—Contacts begin to separate when the piston entering power stroke is on top dead center, spark control lever and breaker assembly in the fully retarded position.

Firing Order.—Cylinders are numbered from front to rear. Left hand bank (viewed from the drivers seat) are 1, 2, 3, 4, and the right hand bank are 5, 6, 7, 8. Firing order is 1, 6, 3, 5, 4, 7, 2, 8.

Spark Plug Gaps.—Spark plug gaps are .020 inch.

STARTER-GENERATOR.—Type A-25. Starter is chain connected to engine crank shaft. The starting switch changes battery connections, connecting the two halves in series for starting, and in parallel for charging.

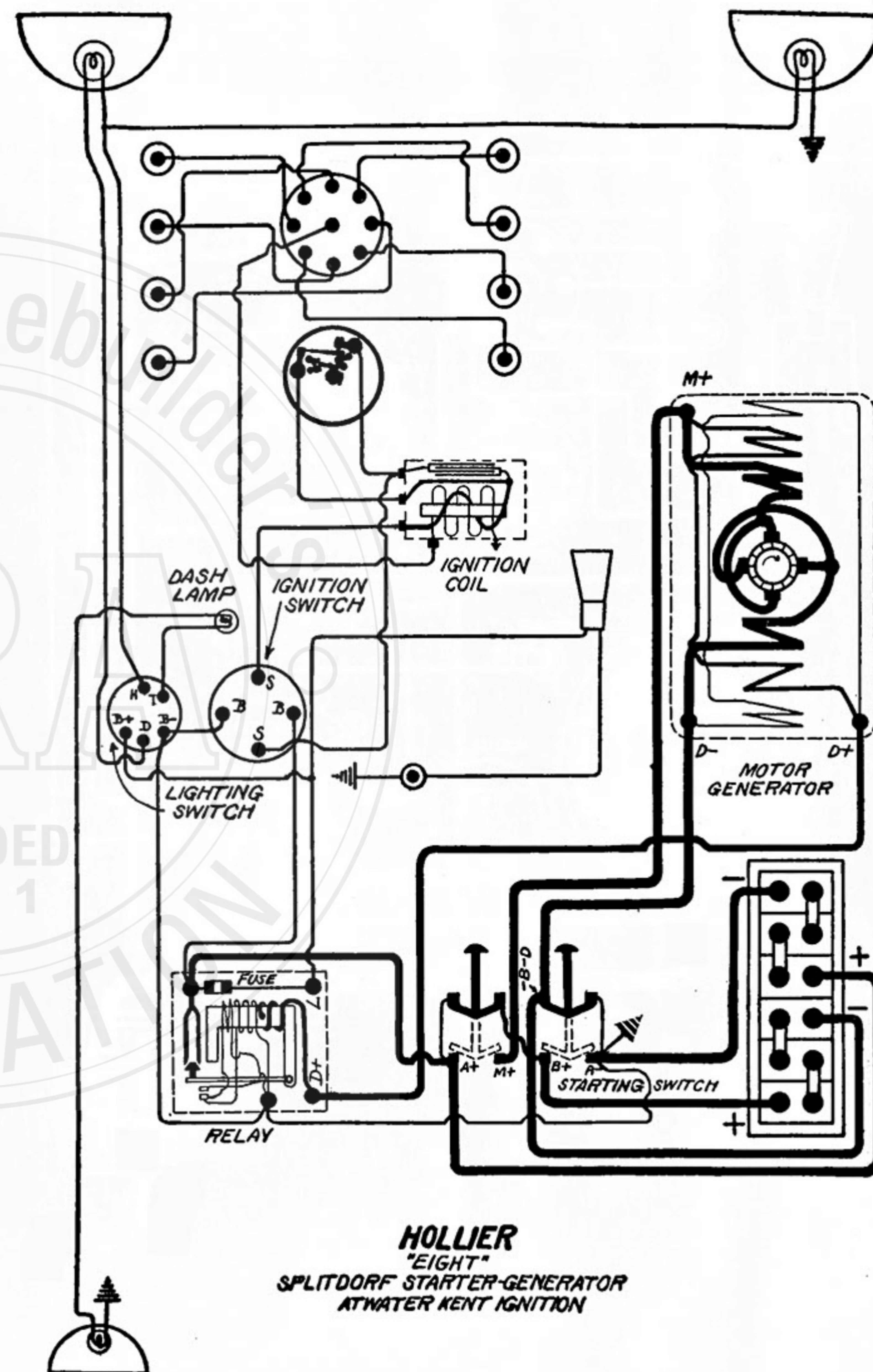
GENERATOR.—Generator current regulation is by reverse series field. Generator delivers 15 amperes at 1500 R.P.M. If it is necessary to operate generator with battery disconnected, connect terminal —D and +D on generator to prevent burning out of windings and lamps.

Oiling.—Put several drops of light engine oil in each of the generator oilers every two weeks. If car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

RELAY.—Cutout relay closes at 7-9 miles per hour and opens at 5-7 miles per hour. Charging current is 1-3 amperes at closing and the discharge current 0-1 ampere at opening of relay. Clean relay contacts by drawing unglazed paper between them. If badly burned or pitted, resurface with well worn No. 00 sandpaper. Remove all grit. Adjust before again putting into service.

LAMPS.—Head lamps are 6-8 volt, 21 cp. Dash and tail are 3-4 volt, 2cp. They are in series.

FUSES.—Fuse on back of indicating automatic switch (relay) is 15 ampere.



HOLLIER
"EIGHT"
SPLITDORF STARTER-GENERATOR
ATWATER KENT IGNITION