

HUDSON

SUPER-SIX MODEL (1917-18)

DELCO GENERATING, STARTING AND LIGHTING SYSTEM DELCO IGNITION

BATTERY.—Exide, Type 3X-15-1, 6 volt, 100 ampere-hour. The negative (—) terminal is grounded.

IGNITION.—Coil Model No. 2127. Distributor Model No. 5147. Breaker contacts separate .018 inch. They are made of tungsten. When the condition of the contacts 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

TIMING.—Breaker contacts begin to separate when the flywheel mark "A—" is at the indicator, spark control lever and breaker assembly in the fully advanced position. The mark "A—" is one-half inch before the top dead center mark "DC 1 & 6".

FIRING ORDER.—The firing order is 1, 5, 3, 6, 2, 4.

SPARK PLUG GAPS.—The spark plug gaps are .025 to .028 inch.

OILING.—Put several drops of light engine oil in distributor bearing oiler every two weeks. If car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles. Thoroughly clean out and repack driving gear housing with soft cup grease every six months.

STARTER-GENERATOR.—Model 82. Starter and generator are combined into one unit. Starter is connected to engine through a set of reduction gears and a pinion shifted by the operator. Raising and lowering of the motor brushes serves as a starting switch.

GENERATOR.—Generator current regulation is by third brush system. Generator begins to supply current at 6-8 miles per hour, or 450-500 R.P.M. of armature.

Generator Data			
M.P.H.	Amperes	R.P.M.	Amperes
9	5	440	Neutral
12	10	880	8.0-11
18	16	1200	14.0-16
24	17	1400	14.0-16
30	15	2000	11.0-13
36	13	2500	8.5-10.5
42	11		

Machines should be tested hot. Output may be varied by adjusting third brush. Moving third brush in the direction of armature rotation will increase the output. Moving it in the opposite direction will decrease the output.

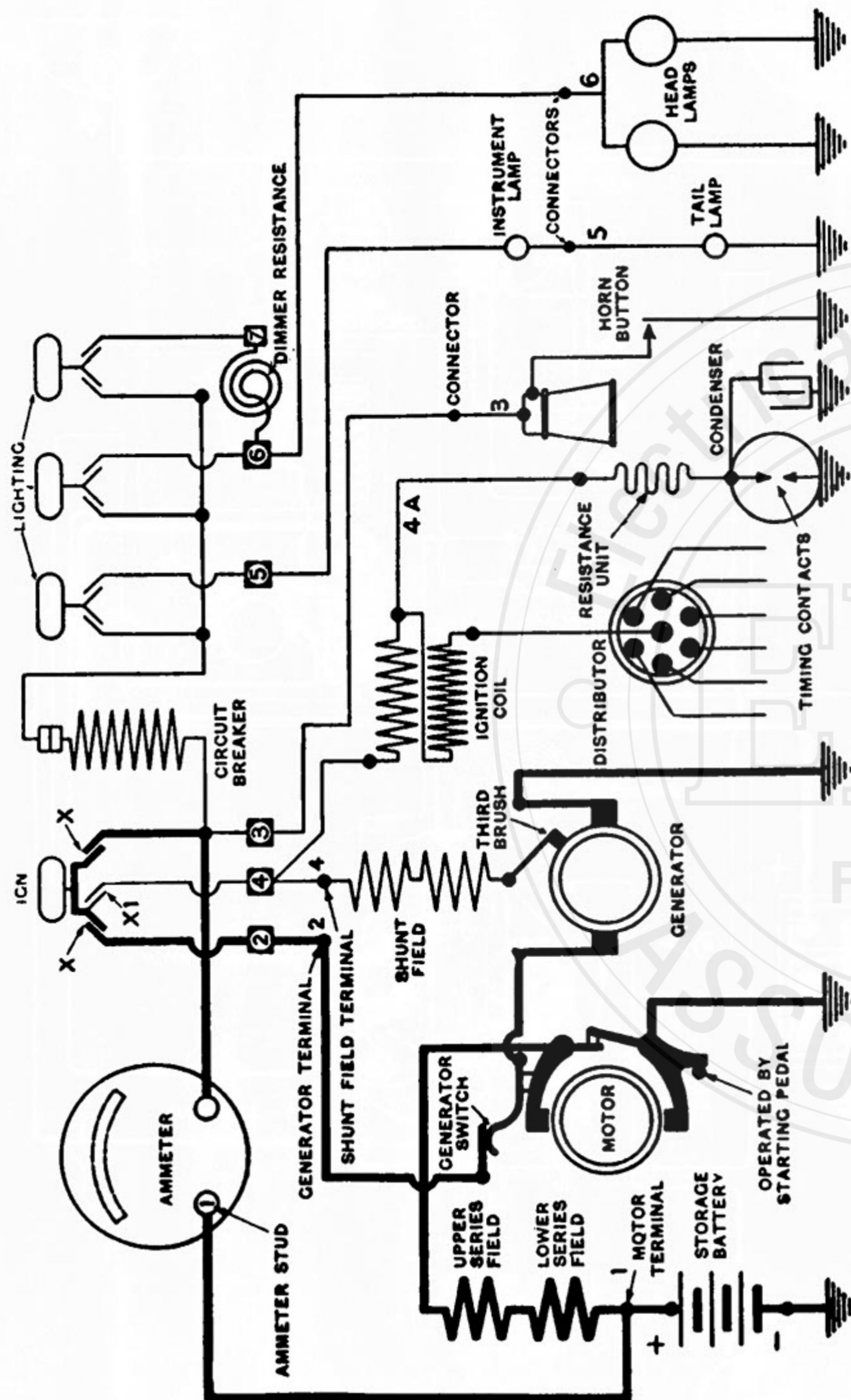
Oiling.—Put 6-8 drops of light engine oil in rear generator oiler every two weeks. Put oil in the front oiler until it begins to flow out the drain provided. All gears and sliding surfaces of the starter transmission must be kept well oiled.

Relay.—There is no relay. The circuit between the generator and the battery is controlled by the ignition switch.

Lamps.—Head lamps are 6-8 volt, 15 cp. Dash and tail lamps are in series. They are each 3-4 volt, 2 cp.

Circuit Breaker.—There is a vibrating type circuit breaker in the lighting switch to take the place of fuses in the light circuits. It should take 25 amperes to start this device vibrating, but once set vibrating, 3 to 5 amperes will cause it to continue.

Model Numbers.—Motor-generator is No. 82. Motor clutch is No. 12207. Ignition coil is No. 2127. Combination switch is No. 1106 on 1918 and No. 1071 on 1917. Distributor is No. 5147 on 1918 and No. 5134 on 1917.



Circuit Diagram