

ANDERSON

SERIES 18 AND 20 (1918-19-20-21)

WESTINGHOUSE GENERATING, STARTING AND LIGHTING SYSTEM REMY IGNITION

BATTERY.—Willard, Type SJWN-4, 6 volt, 113 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Coil Model No. 284B. Distributor Model No. 366C. Breaker contacts separate .022 inch. When the condition of the contacts affects the ignition, resurface with a fine, flat jeweler's file or worn No. 00 sandpaper.

OILING.—Refill the cup under the distributor head with soft cup grease and turn down two turns every two weeks. Put a small amount of vaseline on the fiber bumper of the contact arm, applying with a toothpick. If the car is driven more than 500 miles in two weeks, these attentions must be given every 500 miles.

TIMING.—Breaker contacts begin to separate when the top dead center mark on the fly-wheel is $\frac{1}{2}$ inch past the indicator, spark control lever and breaker assembly in the fully retarded position.

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

SPARK PLUG GAPS.—Spark plug gaps are .030 inch.

STARTER:—Frame 710 or 711. Starter is connected to the engine through a Bendix drive.

Starter Data		
Torque	R.P.M.	Amperes
0 lb. ft.	4000	40
4 lb. ft.	1400	120
8 lb. ft.	700	280
14 lb. ft.	Lock	450

OILING.—Put 5 or 6 drops of light engine oil in each of the starter oilers every month.

GENERATOR.—Frame 760. Generator current regulation is by third brush system. Maximum current output is 15-17 amperes, reached at 1250 R.P.M. of the armature, or 20 miles per hour.

Cold Test		Generator Data		Hot Test	
Amperes	R.P.M.	Amperes	R.P.M.	Amperes	R.P.M.
0	450	0	500		
8	675	6	725		
12	840	9	850		
15-17	1250	11-13	1250		
10	2000	7-8	2000		

The cold test readings are obtained with a generator temperature under 95°F. The hot test readings are obtained after the generator has been operated one hour at 1800 R.P.M., charging a half-charged battery. The shunt field current is 2.8 to 3.25 amperes when 6 volts pressure is applied. When generator is operating freely as a motor, the current is 3.5 to 5 amperes at 6 to 6.6 volts.

OILING.—Put 5 or 6 drops of light engine oil in each of the generator oilers every two weeks. If the car is driven more than 500 miles in two weeks, the oiling must be done every 500 miles.

RELAY.—Relay is mounted in generator frame. Relay closes at 500-550 R.P.M. of the generator armature or 8-9 miles per hour and opens at 450-500 R.P.M. of the armature or 7-8 miles per hour. Charging current is 1-2 amperes at closing, and the discharge current 0-2 amperes at the opening of relay contacts. Air gap between relay armature (moving member) and coil core is .031 inch, contacts separated. Contacts separate .013 to .018 inch. 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. Dimmer lamps are 6-8 volt, 4 cp. Dash and tail lamps are 6-8 volt, 2 cp.

FUSES.—Fuses are 5 amperes.

