

JONES

MODELS 28 B E & G (1920-21)

AUTO-LITE GENERATING, STARTING AND LIGHTING SYSTEM

CONNECTICUT IGNITION

BATTERY.—Prest-O-Lite, Type 613-RHN, 6 volt, 120 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Breaker contacts separate .020 inch. When the condition of the contacts affects the ignition, renew the inner breaker mechanism. For temporary service, resurface contacts with fine emery cloth.

OILING.—Refill the cup under the breaker head with pure vaseline and turn down every month. If the car is driven more than 1000 miles in a month, this must be done every 1000 miles. Do not put grease or oil in the cup.

TIMING.—Breaker contacts begin to separate when piston entering power stroke is on top dead center, 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.—Model MH. Starter is connected to the engine through a Bendix drive.

Starter Data

Torque	R.P.M.	Amperes
0 lb. ft.	3000-4000	70
2 lb. ft.	1160	110
6 lb. ft.	700	225
10 lb. ft.	460	325
12 lb. ft.	375	365
17.5 lb. ft.	Lock	600

OILING.—Put 4 or 5 drops of light engine oil in each of the starter oilers every month.

GENERATOR.—Model GJ. Generator current regulation is by third brush system. Maximum charging rate is 16 amperes, reached at 1700 R.P.M. of the armature or 25 miles per hour.

Generator Data.

Amperes	Cold Test	R.P.M.	Amperes	Hot Test	R.P.M.
0		500	0		580
4		600	3		700
8		750	6		840
12		960	9		1050
16		1400	12		1360
16.5		1700	12.7		1700

Charging rate is varied by adjustment of the third brush setting. Move the third brush in the direction of armature to increase the charging rate and in the opposite direction to decrease the charging rate.

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 closes a 550-600 R.P.M. of the armature or 8-10 miles per hour and opens at 500-550 R.P.M. of the armature or 6-8 miles per hour. Relay contacts separate .030 inch. Air gap between relay armature and coil core is .045 to .050 inch. Adjust relay to close at 7.5 generated volts, and open with a discharge of 1/2 ampere. 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, 5 cp. Dash and tail lamps are 6-8 volt, 2 cp.

