

AMERICAN

MODEL B (1919-20)

WESTINGHOUSE GENERATING, STARTING AND LIGHTING SYSTEM ATWATER KENT IGNITION

BATTERY.—Battery is 6 volt, 110 ampere-hour. The positive (+) terminal is grounded.

IGNITION.—Type CC. Breaker contacts separate .006 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. Ignition coil takes $3\frac{1}{4}$ to 4 amperes, engine idle, breaker contacts and ignition switch closed.

OILING.—Every two weeks remove the distributor cap and put several drops of light engine oil in the oil hole exposed. Put a small amount of vaseline on the cam, 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 piston entering power stroke is on top dead center, spark control lever and breaker assembly in fully retarded position.

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

SPARK PLUG GAPS.—Spark plug gaps are .025 inch.

STARTER.—Frame No. 100. Starter is connected to the engine through a Bendix drive. Torque is $1\frac{3}{4}$ pound-feet at 1600 R. P. M. Lock torque is 12 pound-feet, current 475 amperes. Starter cranks the engine at 125 R.P.M., taking 250 amperes.

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

GENERATOR:—Frame 760. Generator current regulation is by third brush shunt field. To adjust charging rate, loosen commutator cover band and loosen nut on endplate holding third brush. Then shift third brush in direction of rotation to increase the charging rate.

Generator Data

Amperes	Volts	R.P.M.
0	6.5	500
8	6.5	750
14-17	7.5	1100-1500
7-11	6.5-7.5	2500

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

RELAY.—Relay closes at 7-8 miles per hour or 500 R.P.M. of armature, and opens at 5-6 miles per hour or 450 R.P.M. of armature. Relay contacts separate .064 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 each 3-4 volt, 2 cp.

FUSE.—Main fuse is 15 ampere. Field fuse is 5 ampere.

