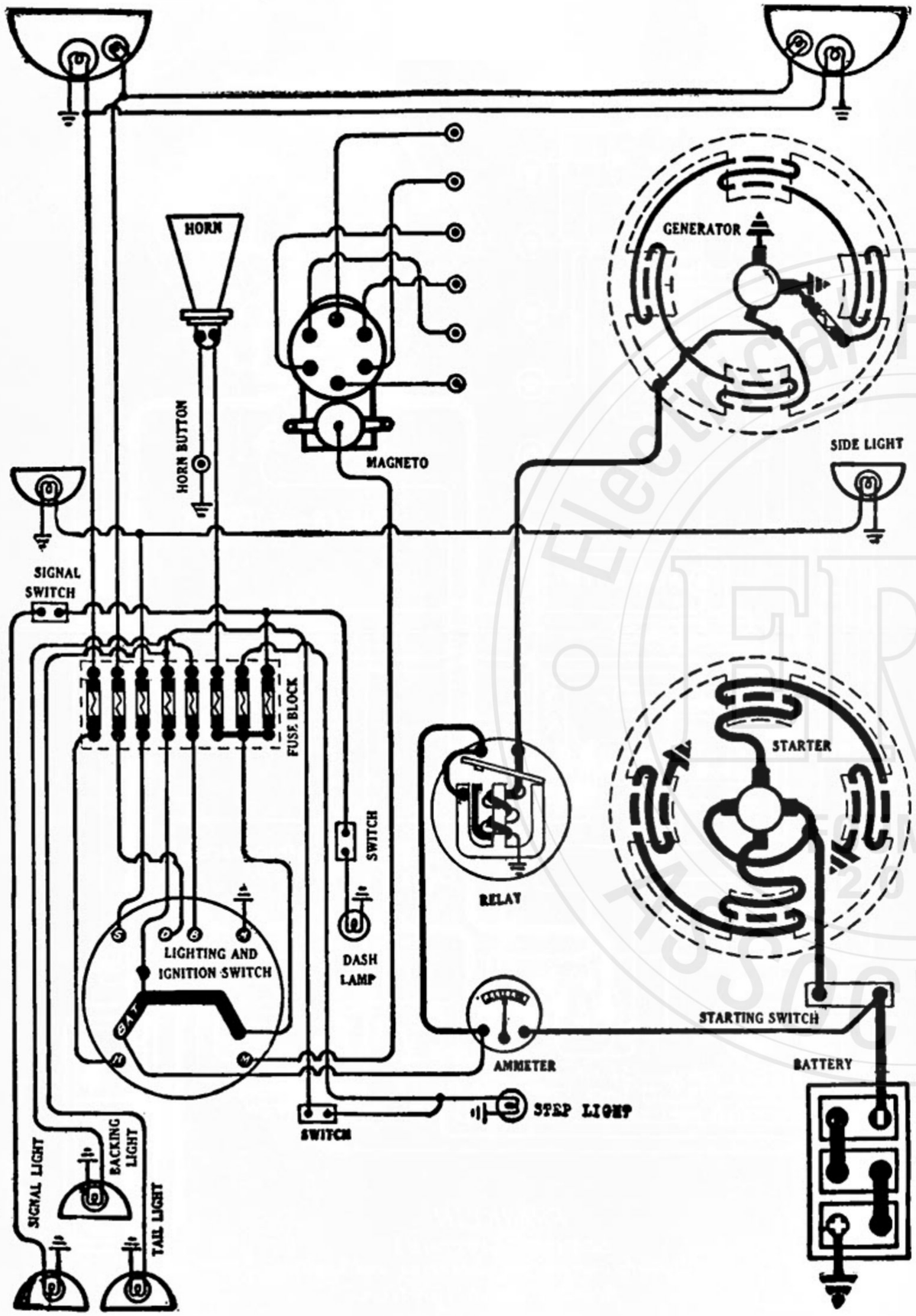


FOX

MODEL 7F (1922-23-24-25). SERIAL NOS. 150 UP
WESTINGHOUSE GENERATING, STARTING AND LIGHTING SYSTEM
SCINTILLA MAGNETO IGNITION

BATTERY:—Westinghouse, Type 6-C-17. 6 volt, 120 ampere hour. The positive (+) terminal is grounded.

IGNITION:—Scintilla Magneto. Model AM-6. Breaker contacts separate .010 inch. If the condition of the contact point affects the ignition, remove and resurface on a medium hard oilstone, as they are made of tungsten.

Oiling:—Put on 4 or 5 drops of light engine oil into each of the two oil wells every two weeks. If the car is driven more than 500 miles in two weeks, this care must be given every 500 miles.

Timing:—Breaker contacts begin to separate when piston No. 1 is on compression stroke, marking "45" on flywheel housing on top dead center, spark control lever and breaker assembly fully advanced.

Firing Order:—The firing order is 1-4-2-6-3-5.

Spark Plugs:—Spark plug diameters are 7/8 inch. Gaps are .025 inch.

STARTER:—Frame No. 751. The starter is connected to the engine by a Bendix drive. The direction of rotation is counter-clockwise, looking at commutator end. Starter cranks the engine at 100-150 R.P.M. taking a current of 175-225 amperes, at 5-5.5 volts.

Starter Test Data

Amperes	Volts	Torque	R.P.M.
38-52	5.5	0	3100-3800
650	4.0	21 lb. ft.	0 (Lock)

Oiling:—Put 4 or 5 drops of light engine oil in each starter oiler once a month. If the car is driven more than 1000 miles in a month, this care must be given every 1000 miles.

GENERATOR:—Frame No. 760. The direction of rotation is counter-clockwise, looking at commutator end. The third brush system is used for current regulation. To adjust the charging rate of the generator loosen the nut inside of the generator end bracket opposite the third brush and move the third brush in the direction of rotation (counter-clockwise) to increase the charging rate, and in the opposite direction (clockwise) to decrease the charging rate.

Generator Test Data

Amperes	R.P.M.
0	450
8	675
15-17	1250
10	2000

Generator motoring freely, takes a current of 3.5-5 amperes, at 6-6.5 volts and the field draws a current of 2.5 amperes, at 6 volts.

Oiling:—Put 4 or 5 drops of light engine oil into the generator oilers every two weeks. If the car is driven more than 500 miles in two weeks, this care must be given every 500 miles.

RELAY:—Relay closes at 500-500 R.P.M. or 8-10 M.P.H. at 6.2-6.5 volts, and opens at 450-500 R.P.M. or 6-8 M.P.H. with a current discharge of 0-3 amperes. The contact gap is .015-.019 inch, and the air gap between relay armature and coil core is .055-.060 inch.

LIGHTING:—Clum Combination Switch is used. The head lights are each 6-8 volts, 21 cp. S.C. Dimmer lamps are 6-8 volt, 4 cp. S.C. Side and tail lamps are 6-8 volt, 4 cp. S.C. Dash and dome lamps are each 6-8 volt, 2 cp. D.C. Stop and backing lamps are 6-8 volt, 21 cp. S.C.

FUSES:—Generator field fuse is 5 ampere. Lighting fuses are 15 amperes.