FILE IN THE

prestolite SERVICE MANUAL

ALC

ALTERNATOR SECTION

(Issued 3-16-78)

VOLTS 12 VENTILATED Yes RATED OUTPUT 45 Amperes

BRUSHES 2 CONTROL Voltage Regulator ROTATION CWDE

BEARINGS Sealed, ball at drive end. Roller at slip ring end.

LUBRICATION Bearings are pre-lubricated. No additional lubrication necessary.

BRUSH SPRING TENSION 9.5 to 11 ounces when spring is compressed to I/4 inch.

BRUSH SPREADER TOOL When reassembling an alternator, it will be necessary to spread the brushes so that they will not interfere with the installation of the rotor.

A tool for spreading the brushes can be fashioned out of 1/8" welding rod or a common coat hanger. See Figure 1.

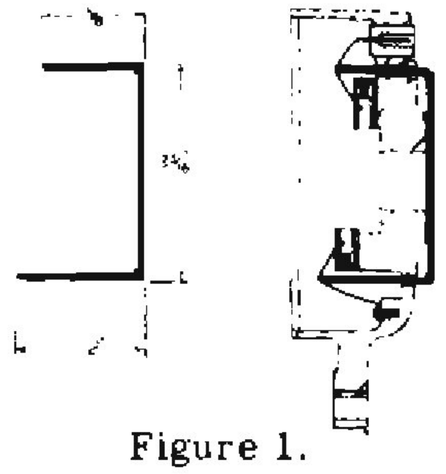


Figure 1.

END PLAY Negligible. Unit should rotate freely without binding. A condition of end play would indicate improper assembly, damage or excessive wear.

GROUND POLARITY Negative. NOTE: DO NOT ATTEMPT TO POLARIZE AN ALTERNATOR - DAMAGE MAY OCCUR TO THE ALTERNATOR, REGULATOR OR CIRCUITS.

ROTOR CURRENT DRAW (70°F.) 2.3 to 2.4 maximum amperes at 10 volts.

OUTPUT TESTS (70°F.) 13.1 volts, 10 minimum amperes, 1250 RPM alternator speed.
14.2 volts, 45 minimum amperes, 4200 RPM alternator speed.

UNIT	INTERNAL WIRING
ALC-5001	Figure 2

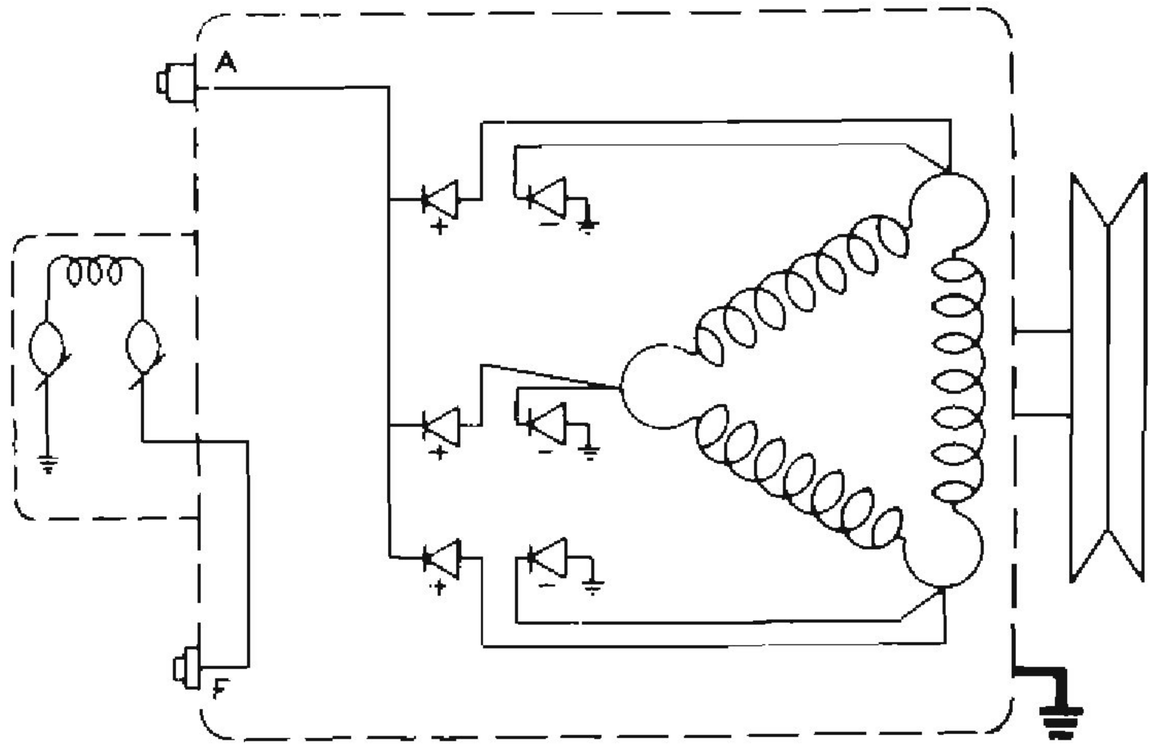


Figure 2.