

AUTO-LITE STARTER FIELD EQUALIZER

3

As installed on models MAW and MAX starters

NOTE:—This Field Equalizer should be installed on all Model MAW and MAX starters (not equipped with jumper) where commutators are found to be burnt or 'smoky'. It consists of a jumper or connector across the brush leads from the field coil assemblies, which equalizes the load on the ungrounded brushes.

INSTALLING EQUALIZER:—Disassemble starter and remove armature. Install Equalizer on commutator end of field coil assembly, looping ends of Equalizer in grooves formed by the looping of the field coil ribbon end around the brush pigtail. Solder Equalizer ends securely in place, using a non-acid flux (alkaline paste or flux made of white rosin and denatured alcohol). Position Equalizer so that it does not touch starter frame or grounded brush pigtails. Turn down commutator and polish to remove all traces of burning before reinstalling. Equalizer type to be used on each starter model is as follows:

Starter Model	Equalizer Part No.
MAW (with switch terminal)	MAW-58
MAW (with terminal post)	MAW-59
MAX (all models)	MAX-58

TESTING INSTALLATION:—With starter reassembled see that Equalizer is not grounded at any point (frame, grounded brush pigtail, through-bolt, etc.). Check brush spring tension. See that brushes bear on commutator over entire face and are correctly installed (long side of brush should be toward direction of armature rotation). Bend grounded brush pigtails up so that they cannot touch Equalizer. Test starter for correct performance.

FIELD POLE ASSEMBLY:—The field poles used on these starters are formed with a long and a short tip. Viewed from the commutator end of the