

PRECISION
AIRMOTIVE CORPORATION
Service Information
Letter - Fuel Systems

SIL MS-4 Revision 1

SMALL RECIPROCATING
ENGINES

MA Series Carburetors

Issued 7/18/02

Page 1 of 1

**SUBJECT: INTRODUCTION OF ADVANCED POLYMER FLOATS FOR
MA SERIES UPDRAFT CARBURETORS.**

Revision 1 provides updated installation instructions (E-954 Revision 2 and E-955 Revision 2)

- A. **EFFECTIVITY:** All MA-3, MA-3A, MA-3PA, MA-3SPA, MA-4SPA, MA-4-5, MA-4-5AA, MA-5, MA-6AA model carburetors.
- B. **REASON:** Precision Airmotive Corporation has introduced a product improvement for MSA carburetors. An Advanced Polymer (AP) Float has been developed to improve service life and resistance to damage due to rough handling.
- C. **DESCRIPTION:** MA carburetor floats made from an advanced polymer material are now being produced. The AP float is FAA-PMA approved and is eligible for installation in all MA carburetors. AP floats will also be sold as part of the float kits. The 29-182 and 29-194 float valve clip are not needed with the AP float, see float kit installation instructions for installation details.

P/N 30-802 Is eligible for installation in all MA-4-5, MA-4-5AA, MA-5 and MA-6AA carburetors. Float Kit 666-954, E-954 (Revision 2) kit installation instructions.

P/N 30-804 Is eligible for installation in all MA-3, MA-3A, MA-3SPA, and MA-4SPA carburetors. Float Kit 666-955, E-955 (Revision 2) kit installation instructions.

- D. **MATERIAL AVAILABILITY:** Only AP floats will be available from Precision Airmotive. Existing 30-764, 30-766 brass floats may be used until stock is exhausted.

- E. **PUBLICATIONS AFFECTED:** Overhaul manuals (MSAFSM, MSAOH-3, and MSAOH-4) should be corrected as follows:

1. Replace part number 30-764 and 30-766 with 30-802 and 30-804 on all illustrated parts list pages.
2. Remove part number 29-182 and 29-194 from all illustrated parts list pages. This clip is not used with the AP floats.
3. Add the E-954 (Revision 2) float kit installation instructions to the MSAOH-2 overhaul section of the manual.
4. Add the E-955 (Revision 2) float kit installation instructions to the MSAOH-1 overhaul section of the manual.

NOTE: Future manual releases will reflect these changes.

- F. **ATTACHMENTS:** The E-954 Revision 2 and E-955 Revision 2 float kit instructions are attached to this service information letter and should be kept with the applicable overhaul manual for reference.