

**SERVICE LETTER #37**

**DATE:** November 1990

**TO:** All R22 Owners, Dealers & Service Centers

**SUBJECT:** Precision Airmotive Service Bulletins  
MSA-1 & MSA-2

**ROTORCRAFT AFFECTED:**

R22 helicopters 0002-1581 and helicopters overhauled at RHC prior to 12 November, 1990.

**BACKGROUND:** Precision Airmotive Corporation has issued two Service Bulletins:

1. Service Bulletin MSA-1 dated October 15, 1990 mandates replacement of composite floats with metal floats in carburetors not already modified.
2. Service Bulletin MSA-2 dated October 15, 1990 mandated replacement of the two piece primary and main venturi with a new one piece venturi on carburetors not already modified.

**COMPLIANCE PROCEDURE:**

A copy of MSA-1 and MSA-2 are enclosed. RHC Service Centers and/or Owners should contact the nearest Precision Product Support Center or Lycoming Service Center for compliance procedures.

MANDATORY  
Service Bulletin  
Fuel Systems

Bulletin No.: MSA-1

Date: 10-15-90  
Revised:

**SUBJECT:** REPLACEMENT OF COMPOSIT FLOATS WITH METAL FLOATS

This bulletin has been issued to clarify time of compliance for replacement of the carburetor float and to reflect acquisition of the Facet Aerospace product line (Marvel Schebler Aviation Carburetors) by Precision Airmotive Corporation.

**Note:** This service bulletin supercedes and replaces Facet Aerospace Service Bulletin #A2-90.

1. **PLANNING INFORMATION:**

A. **EFFECTIVITY:**

All Marvel Schebler Aviation Carburetors.

**Note:** A carburetor should already contain a metal float if:

1. The letters "MF" are stamped or etched on the lower portion of the Marvel Schebler data plate. (The letters "MF" indicate that Facet Service Bulletin #A1-84A has been complied with.
2. It has a black Facet Aerospace data plate.

B. **REASON:**

Reports from the field indicate that composite floats may be absorbing fluid and sinking.

C. **DESCRIPTION:**

Replace the existing composit float with a metal float.

D. **COMPLIANCE:**

Within the next 90 days or 25 hours of engine operation or immediately if any of the following are experienced:

1. Flooding carburetor.
2. Rough engine at low throttle settings.
3. Inconsistent engine shutdown.

D. **COMPLIANCE (cont)**

**Note:** Precision Airmotive considers the replacement of composite floats with metal floats mandatory. An Airworthiness Directive (A.D.) has been requested.

E. **APPROVAL:**

Technical aspects FAA approved.

F. **MANPOWER:**

Not affected.

G. **MATERIAL AVAILABILITY:**

Metal floats are available from local distributors in kits:  
666-915 For all Model MA-3 and MA-4 carburetors.  
666-916 For all Model MA4-5, MA-5 and MA-6 carburetors.  
666-917 For all Model HA-6 carburetors.

H. **TOOLING:**

Not affected.

I. **REFERENCES:**

Facet Service Bulletin #A1-84A, Released: 5/84.

J. **WEIGHT AND BALANCE:**

Not affected.

K. **PUBLICATIONS AFFECTED:**

Aircraft Carburetors & Parts Manual, Form # FSM.

2. **ACCOMPLISHMENT INSTRUCTIONS:**

- A. Remove and replace the float per instructions contained in the float kit.



R.P. Jenson  
Manager, Product Support



AIRMOTIVE CORPORATION

## PRECISION AIRMOTIVE CORPORATION PRODUCT SUPPORT CENTERS

### UNITED STATES FACILITIES

- |   |  |
|---|--|
| <p>1. <b>AIRMOTIVE CARBURETOR COMPANY</b><br/>475-479 Riverside Drive<br/>Burbank, CA. 91506<br/>Ph.# (818) 845-7455<br/>Fax: (818) 845-6329</p>            | <p>5. <b>HATFIELD AVIATION</b><br/>8109 Braniff<br/>Houston, TX. 77017<br/>Ph.# (713) 644-1464<br/>Fax: (713) 644-2162</p>                   |
| <p>2. <b>AVITECH ENGINEERING CORP.</b><br/>2130 Adams Ave.<br/>San Leandro, CA. 94577<br/>Ph.# (415) 562-2811,<br/>800-227-1850<br/>Fax: (415) 568-6167</p> | <p>6. <b>MATTITUCK AVIATION</b><br/>Airway Drive<br/>Mattituck, NY. 11952<br/>Ph.# (516) 298-8330<br/>Fax: (516) 298-8412</p>                |
| <p>3. <b>B&amp;S AIRCRAFT PARTS AND ACCESSORIES</b><br/>1414 S. Mosley<br/>Wichita, KS. 67211<br/>Ph.# (316) 264-2397<br/>Fax: (316) 264-7898</p>           | <p>7. <b>PIEDMONT AVIATION INC.</b><br/>3817 N. Liberty St.<br/>Winston-Salem, Nc. 27102<br/>Ph.# (919) 767-5518<br/>Fax: (919) 767-5584</p> |
| <p>4. <b>DUCARRA AVIATION</b><br/>1505 N. Front Street<br/>P.O. Box 430<br/>Niles, MI. 49120<br/>Ph.# (616) 684-4440<br/>Fax: (616) 684-8375</p>            | <p>8. <b>PRECISION AIR, INC.</b><br/>3817 N.W. 41st St.<br/>Miami, FL. 33142<br/>Ph.# (305) 635-5293<br/>Fax: (305) 635-1572</p>             |



AIRMOTIVE CORPORATION

## PRECISION AIRMOTIVE CORPORATION PRODUCT SUPPORT CENTERS

### FOREIGN FACILITIES

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|--|---|
| <p>1. <b>AERMECCANICA</b><br/>Via Vittorio Veneto<br/>21015 Lonate<br/>Pozzolo (Varese)<br/>Italy<br/>Ph.# (39) 331668110<br/>Telex: 843-331859</p>  | <p>7. <b>HAWKER PACIFIC</b><br/>P.O. Box 172<br/>Yagoona, New South Wales 2199<br/>Australia<br/>Ph.# (61) 27088555<br/>Fax: (61) 27081480</p>            |
| <p>2. <b>AERO MERCANTIL LEAVER &amp; CIA</b><br/>Carrera 3 No. 56-19<br/>Apartado Aereo 6781<br/>Bogota<br/>Columbia<br/>Ph.# (571) 2118100<br/>Fax: (571) 2128952<br/>Telex: 39644581</p> | <p>8. <b>LEAVENS AVIATION INC.</b><br/>2555 Derry Road<br/>Mississauga, Ontario L4T 1A1<br/>Canada<br/>Ph.# (416) 678-1234<br/>Fax: (416) 678-7028</p>    |
| <p>3. <b>C.S.E. AVIATION LTD.</b><br/>Oxford Airport<br/>Kidlington, Oxford OX5 IRA<br/>England<br/>Ph.# (44) 865841234<br/>Fax: (44) 867579123</p>  | <p>9. <b>OSTERMAN'S AERO A.B.</b><br/>Box 422 S-175-25<br/>Jarfalla<br/>Sweden<br/>Ph.# (46) 87602720<br/>Fax: (46) 87608112</p>                          |
| <p>4. <b>FIELD AVIATION</b><br/>#5 3500 19th St. N.E.<br/>Calgary, Alberta T2E 8B9<br/>Canada<br/>Ph.# (403) 291-3460<br/>Fax: (403) 250-1757</p>  | <p>10. <b>SCANAVIATION WORKS A/S</b><br/>Copenhagen Airport<br/>Post Box 139<br/>DK-2770 Kastrup<br/>Denmark<br/>Ph.# (45) 15144222</p>                   |
| <p>5. <b>FLUG MOTOREN REPARATURWERK</b><br/>Hanns Hausler Gmbh<br/>Post Fach 11 11 D-8021<br/>Baierbrunn, West Germany<br/>Fax: (49) 897938675</p>   | <p>11. <b>SIPEP AVIACION S.A.</b><br/>3 De Febrero 2080 San Fernando (1646)<br/>Buenos Aires<br/>Argentina<br/>Ph.# (54) 17444433<br/>Telex: 39026082</p> |
| <p>6. <b>FRANCE AVIATION</b><br/>Aerodrome De Toussus Le Noble<br/>F-78117 Chateaufort<br/>France<br/>Ph.# (33) 139658050<br/>Fax: (33) 139561152</p>                                      | <p>12. <b>TRANSAIRCO S.A.</b><br/>B.P. 315<br/>CH-1215 Geneve 15 Aeroport<br/>Switzerland<br/>Ph.# (41) 227982400<br/>Fax: (41) 7984508</p>               |