

LUFTFARTSVERKET
Hovedadministrasjonen
Luftfartsinspeksjonen
Postboks 8124 Dep., 0032 Oslo
Telefon : 22 94 20 00
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Tlgr. : CIVILAIR OSLO
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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

PRECISION
AIRMOTIVE - 1

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsdepartementets bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forekrift om luftdyktighet.

94-006 KONTROLL AV FORGASSER

Påbudet gjelder:

Precision Airmotive (tidligere Marvel-Schebler) modell MA-3A, MA-3PA, MA-3SPA, og MA-4SPA forgassere, bl.a montert på motorer i Textron Lycoming O-235, O-290 og O-320 seriene, og Teledyne Continental A-65, A-75, C-75, C-85, C-90, C-115, C-125, C-145, O-200 og O-300 seriene; men ikke begrenset til disse.

Motorene er bl.a installert på fly fabrikert av Piper, Cessna, Beechcraft og Mooney; men ikke begrenset til disse.

Påbudet omfatter:

For å unngå svikt i drivstofftilførselen, skal følgende tiltak utføres:

1. Undersøk om det i forgasseren er installert en venturi bestående av to deler.

Anm.: Forgassere med bokstaven "V" stemplet på den nedre delen av dataskiltet, eller som har et sort Precision Airmotive dataskilt, er allerede installert med en venturi bestående av en del og krever derfor ikke videre tiltak i henhold til denne LDP.

Dersom en venturi bestående av to deler er installert i forgasseren, skal det kontrolleres om primær venturien er løs, eller om den mangler. Utfør Precision Airmotive Service Bulletin (SB) No. MSA-2, rev. 1, datert 11.11.91, før videre flyging dersom primær venturien er løs eller mangler.

- 2 Erstatt venturi bestående av to deler med venturi i en del i samsvar med Precision Airmotive Service Bulletin (SB) No. MSA-2, rev. 1, datert 11.11.91.

Tid for utførelse:

1. Ved første årlige ettersyn etter 01.02.94, deretter gjentatte kontroller ved hvert årlige ettersyn.
- 2 Neste gang forgasseren utmonteres for ettersyn eller reparasjon, men ikke senere enn 48 måneder etter 01.02.94.

Referanse:

FAA AD 93-18-03.

01.02.94

LUFTDYKTIGHETSPÅBUD

MERK! For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDPs nummer.

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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

PRECISION
AIRMOTIVE - 2

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsdepartementets bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

94-007 SPREKKER I FORGASSERFLOTTØRER

Påbudet gjelder:

Precision Airmotive (Facet Aerospace Products) Marvel-Schebler modell MA3, MA3A, MA3PA, MA3SPA og MA4SPA forgassere, bl.a montert på motorer i Textron Lycoming O-235, O-290 og O-320 seriene, og Teledyne Continental A-65, A-75, C-75, C-85, C-90, C-115, C-125, C-145, O-200 og O-300 seriene; men ikke begrenset til disse.

Motorene er bl.a installert på fly fabrikert av Piper, Cessna, Beechcraft og Mooney; men ikke begrenset til disse.

Påbudet omfatter:

For å unngå svikt i drivstofftilførselen som følge av sprekker i forgasserflottøren, skal følgende tiltak utføres:

1. Kontroller om forgasseren er blitt reparert eller gjenoppbygget i perioden 1.11.91 t.o.m. 15.7.92, eller om den har et av de kode- eller serienummer som er listet i Consolidated Fuel Systems (CFS) Mandatory Service Bulletin CF-1-92, revisjon 1, datert 6.7.92. Dersom så er tilfelle skal pkt. 2 i denne LDP utføres.
2. Kontroller visuelt om flottøren har CFS delnr. CF30-766 og er stemplet med datoen /10 91/ på flottørens hevarm. Skift ut disse med luftdyktig del før første flyging.

Anm.: Veiledning for utskifting av flottører finnes i Precision Airmotive (Facet) Aircraft Carburetor Service Manual, datert september 1984, og i CFS Carburetor Float Kit Installation Instructions CF 666-915.

Anm.: CFS Mandatory Service Bulletin CF-1-92, Revisjon 1, datert 06.07.92, lister forgassere man er kjent med har blitt reparert/overhaldt i ovennevnte periode.

3. Flottører som er identifisert med Precision Airmotive delnr. 30-766, uansett dato, på hevarmen, samt CFS delnr. CF30-766 med datoene 8 89, 12 89, 1 90, 2 90, 8 90, 10 90, 1 91, 2 91, 4 91, 4 92 eller 7 92 stemplet på hevarmen, er ikke berørt av denne LDP og behøves ikke skiftes ut.

Anm.: Denne LDP erstatter og opphever LDP 92-052A.

Tid for utførelse:

Før første flyging etter 20.7.92.

Referanse:

FAA AD 93-19-04

01.02.94

LUFTDYKTIGHETSPÅBUD

MERK! For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDPs nummer.

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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

PRECISION
AIRMOTIVE - 3

Med hjemmel om lov om luftfart av 11. juni 1993 kap. IV § 4-1 og kap. XV § 15-4, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

95-013 **MODIFIKASJON AV FORGASSER**

Påbudet gjelder:

Precision Airmotive Corporation forgassere modell HA-6 med delnr. som beskrevet i FAA AD 94-25-04.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 94-25-04, samt Marvel-Schebler/Tillotson Service Bulletin No. A1-78, datert september 1978, eller Precision Airmotive Corporation Service Bulletin No. MSA-6, datert 06.04.94.

Tid for utførelse:

Innen 01.02.96.

Referanse:

FAA AD 94-25-04.

Gyldighetsdato:

01.02.95.



AIRWORTHINESS DIRECTIVE

FLIGHT STANDARDS SERVICE
REGULATORY SUPPORT DIVISION
P.O. BOX 26460
OKLAHOMA CITY, OKLAHOMA 73125-0460

U.S. Department
of Transportation
Federal Aviation
Administration

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Federal Aviation Regulations, Part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference FAR Subpart 39.3).

**94-25-04 Precision Airmotive Corporation (formerly Facet Aerospace Products and Marvel-Schebler):
Amendment 39-9088. Docket 93-ANE-29.**

Applicability: Precision Airmotive Corporation (formerly Facet Aerospace Products and Marvel-Schebler) Model HA-6 series carburetors with part numbers 10-5092, 10-5180, 10-5189, 10-5200, 10-5200-1, 10-5201-11, 10-5206, 10-5206-1, 10-5210, 10-5211, 10-5211-1, 10-5214, 10-5215, 10-5221, 10-5227. These carburetors are installed on but not limited to reciprocating engine powered aircraft manufactured by Beech, Cessna, Piper, and Mooney.

Compliance: Required as indicated, unless accomplished previously.

To prevent the interruption of fuel flow to the engine caused by the mixture control shaft moving out of position because of excessive wear of the mixture control shaft retention screw, accomplish the following:

(a) For affected carburetors not equipped with a mixture control shaft retainer clip (P/N 55-A239), screw (P/N 15-B395), and washer (P/N 78-A292), install these items within 12 months after the effective date of this airworthiness directive (AD) in accordance with Marvel-Schebler/Tillotson Service Bulletin (SB) No. A1-78, dated September 1978, or Precision Airmotive Corporation SB No. MSA-6, dated April 6, 1994.

(b) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Seattle Aircraft Certification Office. The request should be forwarded through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Seattle Aircraft Certification Office.

NOTE: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Seattle Aircraft Certification Office.

(c) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the aircraft to a location where the requirements of this AD can be accomplished.

(d) The installation shall be done in accordance with the following service bulletins:

| Document No. | Pages | Date |
|---|-------|----------------|
| Marvel Schebler/ Tillotson SB No. A1-78 | 1-2 | September 1978 |

Total Pages: 2.

| | | |
|--|-----|---------------|
| Precision Airmotive Corporation SB No. MSA-6 | 1-3 | April 6, 1994 |
|--|-----|---------------|

Total Pages: 3.

This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Precision Airmotive Corporation, 3220 - 100th Street Southwest, Suite E, Everett, WA 98204; telephone (206) 353-8181, fax (206) 348-3545. Copies may be inspected at the FAA, New England Region, Office of the Assistant Chief Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street NW., suite 700, Washington, DC.

(e) This amendment becomes effective on February 13, 1995.

FOR FURTHER INFORMATION CONTACT:

Jon A. Regimbal, Aerospace Engineer, Seattle Aircraft Certification Office, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW, Renton, WA 98055-4056; telephone (206) 227-2687, fax (206) 227-1181.

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LUFTDYKTIGHETSPÅBUD (LDP)

TILBEHØR

PRECISION
AIRMOTIVE - 4

Med hjemmel om lov om luftfart av 11. juni 1993 kap. IV § 4-1 og kap. XV § 15-4, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

98-020 KONTROLL AV FORGASSER

Påbudet gjelder:

Precision Airmotive Corporation forgassere modell MA-3, MA-3A, MA-3PA, MA-3SPA og MA-4SPA, som listet i vedlagte kopi av FAA AD 98-01-06.

Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av FAA AD 98-01-06.

Anm.: Denne LDP erstatter og opphever LDP 94-006.

Tid for utførelse:

Til de tider som beskrevet i vedlagte kopi av FAA AD 98-01-06, med virkning fra denne LDP's gyldighetsdato.

Referanse:

FAA AD 98-01-06.

Gyldighetsdato:

1998-03-01.



AIRWORTHINESS DIRECTIVE

REGULATORY SUPPORT DIVISION
P.O. BOX 26460
OKLAHOMA CITY, OKLAHOMA 73125-0460

U.S. Department
of Transportation
**Federal Aviation
Administration**

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 49, United States Code, Part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference FAR Subpart 39.3).

98-01-06 Precision Airmotive Corporation: Amendment 39-10270. Docket 97-ANE-16. Supersedes airworthiness directive (AD) 93-18-03, Amendment 39-8688.

Applicability: Precision Airmotive Corporation (formerly Facet Aerospace Products Corporation and Marvel-Schebler Corporation) Model MA-3, MA-3A, MA-3PA, MA-3SPA, MA-4SPA carburetors installed on but not limited to Textron Lycoming O-235, O-290, and O-320 series engines, and Teledyne Continental Motors A-65, A-75, C-75, C-85, C-90, C-115, C-125, C-145, O-200, and O-300 series engines. These engines are installed on, but not limited to, normally aspirated reciprocating engine powered aircraft manufactured by Cessna, Piper, Raytheon, and Mooney.

Note 1: This AD applies to each carburetor identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For carburetors that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (f) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Compliance: Required as indicated, unless accomplished previously.

To prevent disruption of fuel flow to the engine resulting in failure to attain rated power, power loss in flight, and forced landings, accomplish the following:

(a) For Precision Airmotive Corporation Model MA-3A, MA-3PA, MA-3SPA, and MA4-SPA carburetors:

(1) If not previously accomplished, prior to further flight, inspect the carburetor to determine if a two-piece venturi is installed. Carburetors that have the letter "V" stamped or etched on the lower portion of the data plate, or that have a black, yellow, or blue data plate showing the Precision Airmotive Corporation name and logo, or that have a black Facet Aerospace Products data plate with a serial number beginning with 750, are already equipped with a one-piece venturi and no further action is necessary provided the engine does not subsequently run rough or experience power loss.

(2) If a two-piece venturi is installed, inspect the carburetor at each annual, 100-hour, or progressive inspection, to determine if the primary venturi is loose or missing. If either of these conditions is found, prior to further flight, repair the carburetor by installing a serviceable two-piece venturi or by installing a one-piece venturi in accordance with Precision Airmotive Service Bulletin (SB) No. MSA-2, Revision 1, dated November 11, 1991, Revision 2, dated December 28, 1993, or Revision 3, dated October 10, 1995. Installing a one-piece venturi constitutes terminating action for the repetitive inspection requirements of this paragraph.

(3) If a one-piece venturi is already installed, or installed in accordance with sub-paragraph (2) of this paragraph, and the engine subsequently runs rough or experiences power loss, accomplish either of the following:

(i) Modify the carburetor in accordance with paragraphs (c), (d) or (e) of this AD, as applicable;

or

(ii) Install a carburetor containing a two-piece venturi and resume the repetitive inspections required by paragraph (a)(2) of this AD.

(b) For Precision Airmotive Corporation Model MA-3 series carburetors: at the next annual, 100-hour, or progressive inspection, whichever occurs first, after the effective date of this AD, inspect the carburetor to determine if the primary venturi is loose or missing. If either of these conditions are found, prior to further flight, repair the carburetor by installing a serviceable two-piece venturi, or replace the entire carburetor with a serviceable carburetor. Repeat this inspection at each annual, 100-hour, or progressive inspection.

(c) For Precision Airmotive Corporation Model MA-3SPA series carburetors with part numbers (P/N) 10-4894 or 10-4115-1, installed on Teledyne Continental Model O-200A series engines modified on or after the effective date of this AD by installing a one-piece venturi, install a new fuel nozzle in accordance with Precision Airmotive SB MSA-7, dated September 30, 1994, at the time of installation of the one-piece venturi.

(d) For Precision Airmotive Corporation Model MA-3SPA series carburetors with P/Ns 10-4895, 10-4439, or 10-3237, installed on Teledyne Continental Model O-300 or C-145 series engines modified on or after the effective date of this AD by installing a one-piece venturi, install a new fuel nozzle in accordance with Precision Airmotive SB No. MSA-8, dated July 10, 1995, at the time of installation of the one-piece venturi.

2 98-01-06

(e) For Precision Airmotive Corporation Model MA-3SPA series carburetors with P/Ns 10-4240, 10-4252, 10-4252-1, or 10-4457, installed on Teledyne Continental Model C-75, C-85, or C-90 series engines modified on or after the effective date of this AD by installing a one-piece venturi, install a new fuel nozzle in accordance with Precision Airmotive SB No. MSA-9, dated October 10, 1995, at the time of installation of the one-piece venturi.

(f) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Seattle Aircraft Certification Office. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Seattle Aircraft Certification Office.

Note 2: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Seattle Aircraft Certification Office.

(g) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations-(14 CFR 21.197 and 21.199) to operate the aircraft to a location where the inspection requirements of this AD can be accomplished.

(h) The actions required by this AD shall be done in accordance with the following Precision Airmotive Corporation SBs:

| Document No. | Pages | Revision | Date |
|--------------------------|-------|----------|--------------------|
| MSA-2 Total Pages: 3. | 1-3 | 1 | November 11, 1991 |
| MSA-2 Total Pages: 3. | 1-3 | 2 | December 28, 1993 |
| MSA-2 Total Pages: 4. | 1-4 | 3 | October 10, 1995 |
| MSA-7 Total Pages: 3. | 1-3 | Original | September 30, 1994 |
| MSA-8 Total Pages: 3. | 1-3 | Original | July 10, 1995 |
| MSA-9 Total Pages: 3. | 1-3 | Original | October 10, 1995 |

This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Precision Airmotive Corporation, 3220 100th Street SW., Building E, Everett, WA 98204; telephone (206) 353-8181, fax (206) 348-3545. Copies may be inspected at the FAA, New England Region, Office of the Assistant Chief Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(i) This amendment becomes effective on February 13, 1998.

FOR FURTHER INFORMATION CONTACT:

Richard Simonson, Aerospace Engineer, Seattle Aircraft Certification Office, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW, Renton, WA 98055-4056; telephone (425) 227-2597, fax (425) 227-1181.

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