

OPTIONAL SERVICE BULLETIN

NO. OSB-42-015/5

SUPERSEDES OSB-42-015/4

I TECHNICAL DETAILS

I.1 Category

Optional

I.2 Airplanes affected

Type: DA 42, DA 42 M

Serial Numbers: 42.010 and subsequent
42.AC001 and subsequent
42.M001 and subsequent

I.3 Time of Compliance

At holder's discretion

I.4 Subject

Installation of ice protection system for operation under known or forecast icing conditions.

ATA-Code: 30-00

I.5 Reason

Diamond Aircraft Industries has finalized the design of an ice protection system and the investigation for flight into known or forecast icing conditions, for which approval is now granted. In order to benefit from this enhancement, compliance with this Service Bulletin is required. Due to the complexity of the modification this Service Bulletin may solely be carried out by the organizations listed in Chapter III of this Service Bulletin.

I.6 Concurrent Documents

None

I.7 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 42-054, which has been approved by EASA.

The technical content of this document has been approved und the authority of DOA No. EASA.21J.052.

I.8 Accomplishment/Instructions

Comply with Work Instruction WI-OSB-42-015 latest effective issue.

Install debris protection according to OSB-42-001 (also addressed in WI-OSB-42-015 latest effective issue)

Contact your responsible Authority for further necessary approvals for flights into known or forecast icing.

I.9 Mass (Weight) and CG

Mass (Weight) and CG affected.

II PLANNING INFORMATION

II.1 Material & Availability

See WI-OSB-40-015 latest effective issue.

II.2 Special Tools

Required, see WI-OSB-40-015 latest effective issue.

II.3 Credit

None

II.4 Reference Documents

DA 42 Airplane Maintenance Manual Doc. No. 7.01.01-E
See WI-OSB-42-015 latest effective issue.

III REMARKS

- 1) This Service Bulletin covers the installation of the ice protection system for certification for flight into known or forecast icing (OÄM 42-054) as well as the upgrade of already installed ice protection systems NOT certified for flight into known or forecast icing (OÄM 42-053) to certified for flight into known or forecast icing status (OÄM 42-054). The current status of the installation is indicated in AFM, revision 4 or later, Chapter 1.1.
- 2) This Service Bulletin enables flight into known or forecast icing for basic aircraft with serial numbers 42.M001 and subsequent. Restrictions by any container installation according to the AFM Supplements, latest revisions, remain applicable.

- 3) Accomplishment of the measures must be confirmed in the log book.
- 4) This Service Bulletin may **ONLY** be carried out by the following approved maintenance organizations:

If OÄM 42-053 has NOT previously been carried out:

Diamond Maintenance GMBH
Ferdinand Graf von Zeppelin-Str. 5
2700 Wiener Neustadt
Austria

If OÄM 42-053 HAS ALREADY been carried out:

Diamond Maintenance GMBH
Ferdinand Graf von Zeppelin-Str. 5
2700 Wiener Neustadt
Austria

Diamond Aircraft Industries Inc.
AMO 161-93
1560 Crumlin Road
London Ontario Canada, N5V 1S2

A & M Maintenance Services, Inc.
130 S. Clow International Pkwy,
Bolingbrook IL 60490
U.S.A.

Galvin Flying Service, Inc.
7149 Perimeter Road
Seattle WA 98108
U.S.A.

Premier Aircraft Service, Inc.
5544 NW 23rd Ave., Hangar 14
Ft. Lauderdale Executive Airport
Ft. Lauderdale FL 33309
U.S.A

West Coast Charters, Inc.
2881 East Spring St.
Long Beach Airport
Long Beach CA 90806
U.S.A.

Klarenbach Aviation Ltd.
5424 -11th St. NE
Calgary AB T2E 7E9
Canada

- 5) In case of doubt, contact Diamond Aircraft.