

MANDATORY SERVICE BULLETIN

NO. MSB40-033

I. TECHNICAL DETAILS

1.1 Category

Mandatory.

1.2 Airplanes affected

DA 40: 40.006 - 40.0079, 40.081 - 40.083, 40.201 and subsequent

1.3 Time of Compliance

within the next 15 hours and at every 50 hour inspection

1.4 Subject

Exhaust System.

ATA-Code: 78-10, Exhaust

1.5 Reason

Cracks at the flanges of the exhaust system riser.

1.6 Concurrent documents

DA 40 Airplane Maintenance Manual (AMM), Doc.No. 6.02.01

1.7 Approval

The technical information or instructions contained in this document has been approved under the authority of EASA Design Organization Approval No. EASA.21J.052.

1.8 Measures

1.8.1 Inspection

It is required to perform a thorough visual inspection of the exhaust system. The inspection should include inspection of all attachment hardware for security, inspection of all clamps for security, visual inspection of the entire exhaust system, with particular focus on the exhaust risers in the area below the flange that attaches the system to the cylinder. Use of a flashlight and magnifying glass is recommended. Check ears of each clamp half for a clearance of 0.10-0.13 inches.

Defective components must be repaired or replaced before next flight.

CAUTION!!

The Terminate Action mentioned in the Service Bulletin No. MSB40-007/3, item 1.8.2 is no longer valid. (Refer to Service Bulletin No. MSB 40-007/4)

1.9 Mass (Weight) and CG

Not affected.

II. PLANNING INFORMATION

2.2 Special Tools

No special tools are required.

2.3 Labor effort

Appr. 1 hour.

2.4 Credit

Labour credit of 1 man hour for initial inspection.

2.4 Reference documents

Diamond Aircraft DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, latest effective issue.

III. REMARKS

1. All measures must be carried out by the manufacturer, a certified aircraft service station or a certified aircraft maintenance mechanic.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of doubt, contact Diamond Aircraft.