

OPTIONAL SERVICE BULLETIN NO. OSB 40-014

I. TECHNICAL DETAILS

1.1 Category

Optional.

1.2 Airplanes affected

DA 40 serial numbers 40.006-40.084, 40.201-40.379, D4.001-D4.079.

1.3 Time of Compliance

At owner's discretion.

1.4 Subject

Landing Gear

ATA-Code: 32-00

1.5 Reason

Under rough environmental conditions the bearings of the main landing gear and the nose landing gear may corrode when installed to a nickel plated Steel axle. In order to avoid corrosion, the axles may be replaced by axles made from Aluminum.

In addition the axles have become shorter. This will result in a more uniformly distributed wear of the brake linings.

1.6 Concurrent documents

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

1.7 Approval

The technical information contained in this document has been approved under the authority of MOT Design Organisation Approval No. MOT JA-01.

1.8 Accomplishment/Instructions

Replacement of the axles must be accomplished in accordance with the Airplane Maintenance Manual (AMM), Doc. No. 6.02.01.

1.9 Mass (Weight) and CG

Not affected.

II. PLANNING INFORMATION

2.1 Material & Availability

All necessary parts can be ordered from Diamond Aircraft Industries GmbH or from your local General Distributor or Diamond Service Center.

2.2 Special Tools

No special tools are required.

Part	Quantity	Part Number
Nose landing gear axle	1	42.0150/1
Main landing gear axle	2	42.0010/1

2.3 Labor effort

4 hours.

2.4 Credit

None.

2.4 Reference documents

Diamond DA40 Airplane Maintenance Manual, Doc. No. 6.02.01.



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III. REMARKS

Unless otherwise prescribed, the work must be carried out in accordance with the instructions of the Airplane Maintenance Manual, Doc. No. 6.02.01. The work must be carried out by the manufacturer, a certified aircraft service station or a certified aircraft maintenance mechanic.