OPTIONAL SERVICE BULLETIN
OSB 40NG-055

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 40 NG

Serial numbers: All

I.3 Date of effectivity

18-Aug-2017

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Replacement of the charge air hoses and tubes.

ATA-Code: 81-20

I.6 Reason

A new hose system has been designed to reduce maintenance efforts and simplify related handling.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-899, which has been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052.

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.9 Accomplishments / Instructions

See WI-OSB 40NG-055, latest effective issue.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 40NG-055, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 1 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. In case of doubt contact Diamond Aircraft Industries GmbH.

EXECUTION REPORT TO SERVICE BULLETIN OSB 40NG-055

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine _____

Typical operation of airplane private, club, training, other _____

_____
Date, Name, Sign

Please fax the completed form to Fax No. +43-2622-26780
or e-mail to executionreports@diamond-air.at

WORK INSTRUCTION

WI-OSB 40NG-055

I GENERAL INFORMATION

I.1 Subject

Replacement of the turbo connector tube.

I.2 Reference Documents

DA 40 NG Series Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

I.3 Remarks

a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.

b) All work, in particular if not described in this work instruction, must be done in accordance with the referenced maintenance manual.

c) For conversion factors between SI units and US/Imperial units refer to AMM Chapter 02.

d) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None.

II.2 Special Tools

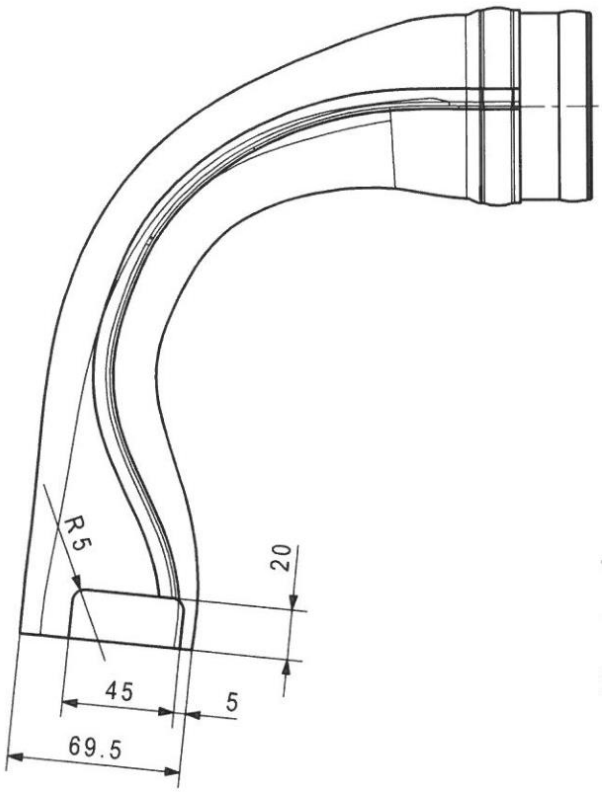
None.

II.3 Material

Quantity	Part Number	Description
1	D44-8122-20-00_06	Turbo Connector
1	D44-8122-21-00	Turbo Adapter
1	D44-9081-26-04	Flexible charge Air Hose
2	TSS36S30EP00C	Murray Worm Drive Clamps

Material including drawing is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Make sure AMM-TR-MÄM-40-899 is inserted into the AMM or an AMM revision with AMM-TR-MÄM-40-899 incorporated is used.
2	Remove Cowlings. Refer to AMM Section 71-10.
3	Modify the Air Inlet Duct. Refer to AMM Section 71-60. • Remove the air inlet duct. • Modify the Air Inlet Duct i.a.w. sketch below. • Install the air inlet duct. 
4	Remove turbo connector. Refer to AMM Section 81-00

5	Install the turbo adapter D44-8122-21-00, the flexible charged air hose D44-9081-26-04 and the turbo connector D44-8122-20-00_06. Refer to AMM Section 81-00
6	Do an engine ground run-up and do a test for the correct operation of the charged air system.
7	Clean working areas, check for foreign objects.
8	Check all altered, replaced, repaired parts for proper function.
9	Test all systems in working area for function.
10	Make all necessary entries in the airplane logs.