

DAI OSB 42-098/1 OSB 42NG-090 Page 1 of 3 17-Feb-2023

# OPTIONAL SERVICE BULLETIN OSB 42-098/1 OSB 42NG-090 supersedes OSB 42-098

## I TECHNICAL DETAILS

#### I.1 Category

Optional.

#### I.2 Airplanes affected

Type:	DA 42 /M /NG /M-NG
Serial numbers:	42.004 and subsequent 42.AC001 and subsequent 42.M001 and subsequent 42.N001 and subsequent 42.MN001 and subsequent DA 42 Airplane converted to DA 42NG via OSB 42-068 DA 42 M Airplanes converted to DA 42M-NG via OSB 42-081

#### I.3 Date of effectivity

11-Mar-2013

#### I.4 Time of Compliance

At owner's discretion

#### I.5 Subject

Installation of new power supplies for the taxi- and landing lights.

ATA-Code: 33-40

#### I.6 Reason

The previous installed power supplies for the taxi- and landing lights are no longer available from the manufacturer and also not as spare part. In case of a malfunction, the power supplies have to be replaced by new power supplies, which require changes to the installation.

#### I.7 Concurrent Documents

None.

#### I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 42-185/a, 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 42-098/ WI-OSB 42NG-090, 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 42-098/ WI-OSB 42NG-090, latest effective issue.

#### II.2 Special Tools

None.

#### II.3 Labour Effort

Approx. 6 hours.

#### II.4 Credit

None.

#### II.5 Reference Documents

DA 42 Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, latest effective issue.

## III <u>REMARKS</u>

- 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.



DAI OSB 42-098/1 OSB 42NG-090 Page 3 of 3 17-Feb-2023

### EXECUTION REPORT TO SERVICE BULLETIN OSB 42-098/1 OSB 42NG-090

AIRPLANE DATA			
Airplane Serial Number			
Airplane Registration			
Airplane Operator			
Hours of operation of airplane			
No. of landings			
Hours of operation-engine	LH:		
	RH:		
Typical operation of airplane	private,	club, training, other _	

Date, Name, Sign

Please send the completed form to airworthiness-austria@diamondaircraft.com



# WORK INSTRUCTION WI-OSB 42-098 WI-OSB 42 NG-090

## I GENERAL INFORMATION

#### I.1 Subject

Installation of new power supplies and the required wiring for the taxi- and landing lights.

#### I.2 Reference Documents

DA 42 Series Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue. DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, latest effective issue.

#### I.3 <u>Remarks</u>

- 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 i.a.w.the referenced maintenance manual.
- c) In case of doubt, contact Diamond Aircraft Industries GmbH.

## II DRAWINGS, SPECIAL TOOLS & MATERIALS

#### II.1 Drawings

D64-5320-32-00x01

#### II.2 Special Tools

None.



#### II.3 Material

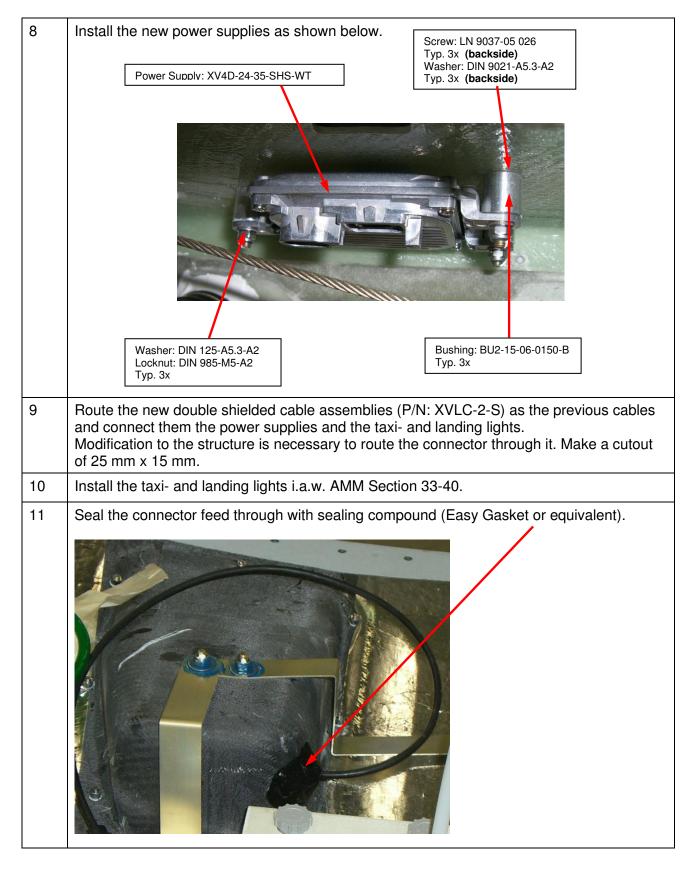
Quantity	Part Number	Description
2	XV4D-24-35-SHS-WT	HID Ballast (Power Supply)
2	XVLC-2-S	Cable, double shielded, 2 ft
2	XVPP-3D-2	Cable, Input
6	BU2-15-06-0150-B	Bushing
4	D-436-37	Splice, blue
6	LN 9037-05 026	Screw
6	DIN 985-M5-A2	Locknut
6	DIN 9021-A5.3-A2	Washer
6	DIN 125-A5.3-A2	Washer
10	PLT1MM30	Cable Tie

Material including drawing is available from Diamond Aircraft Industries.

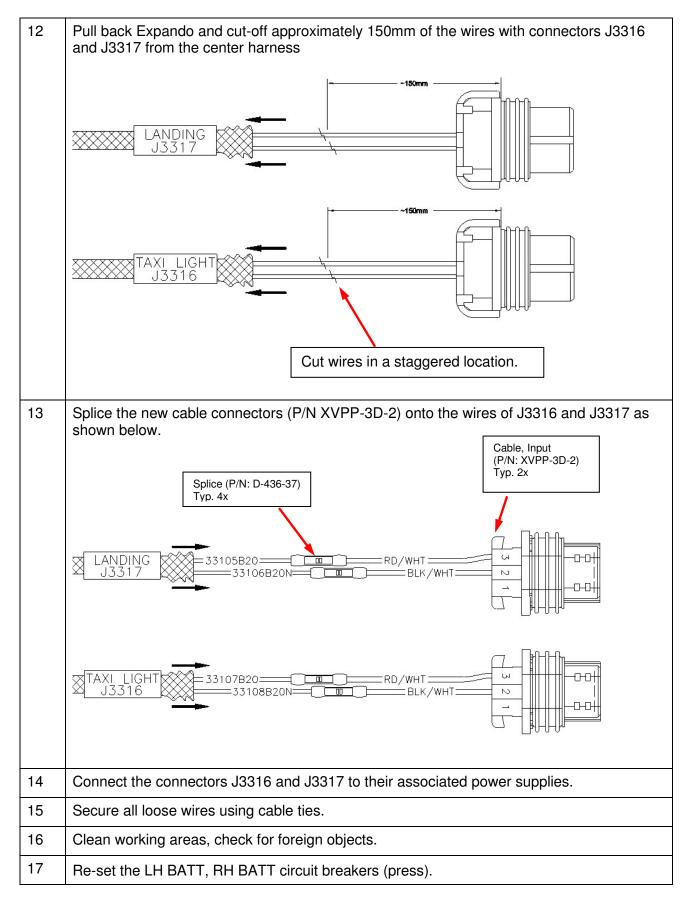
# III INSTRUCTIONS

1	Set the ELECT. MASTER, TAXI light and LANDING light switches to OFF.
2	Set the LH BATT, RH BATT circuit breakers open (pull).
3	Remove the pilot and co-pilot seats i.a.w. AMM Section 25-10.
4	Remove the taxi- and landing light power supplies (electronic controllers) i.a.w. AMM Section 33-40.
5	Remove the taxi- and landing lights i.a.w. AMM Section 33-40.
6	Remove the electrical cables that route from the power supplies to the lights.
7	Drill new holes for the power supplies i.a.w. drawing D64-5320-32-00x01.











18	Incorporate TR-MÄM 42-185 into the Airplane Flight Manual or use a revision into which the TR has been incorporated. Note: The content of TR-MÄM 42-185 has already been incorporated into the initial issue of Doc. No. 7.01.16-E.
19	Check all altered, replaced, repaired parts for proper function.
20	Install the pilot and co-pilot seats i.a.w. AMM Section 25-10.
21	Test all systems in working area for function.
22	Make all necessary entries in the airplane logs.