1. Approving competent Authority / Country

**Luftfahrt-Bundesamt/ Germany**

2.

# AUTHORISED RELEASE CERTIFICATE
# EASA FORM 1

3. Form Tracking Number

**220000006482**

4. Organisation Name and Address

**D9893 LIEBHERR**

LIEBHERR-AEROSPACE LINDENBERG GmbH • Pfaenderstr. 50-52 - 88161 • Lindenberg • Germany • Phone: +49 (0) (8381) 46-0• Fax: +49 (0) (8381) 46 4377

5. Work Order / Contract / Invoice

**26996**

| 6. Item | 7. Description | 8. Part No | 9. Qty. | 10. Serial No | 11. Status / Work |
|---|---|---|---|---|---|
| 1 | TRIM AIR VALVE | 963B0000-01 | 1 | 03019 | Repaired |

12. Remarks

**Approved Data:** 21-63-51 / Rev. 13 / 15.06.2021
**SFR No.:** 26996 Rev. 1
**DMF:** 05.98

**"The work identified in Block 11 and described here has been accomplished in accordance with 14 CFR part 43 and in respect to the work, the items are approved for return to service under certificate no. LA7Y195J."**

13a. Certifies that the items identified above were manufactured in conformity to:

☐ approved design data and are in a condition for safe operation.

☐ non approved design data specified in block 12.

14a.

☒ Part-145.A.50 Release to Service ☒ Other regulation specified in block 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

| 13b. Authorised Signature | 13c. Approval / Authorisation Number | 14b. Authorised Signature | 14c. Certificate / Approval Ref. No |
|---|---|---|---|
| | | DIRK METZNER CERTIFYING INSPECTOR Electronic Signature on File | DE.145.0034 |
| **13d. Name** | **13e. Date (dd mmm yyyy)** | **14d. Name** | **14e. Date (dd mmm yyyy)** |
| | | **Dirk Metzner** | **27. Jan. 2022** |

**User / Installer Responsibilities**

This certificate does not automatically constitute authority to install the item(s).
Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



PRINTED FROM ELECTRONIC FILE

LIEBHERR

Liebherr Aerospace Lindenberg GmbH * Pfänderstraße 50-52 * 88161 Lindenberg

# SHOP FINDING REPORT

| | | | |
|---|---|---|---|
| **LIEBHERR REPAIR DOSSIER:** | 26996 | **CONTACT:** | ccca3 lli |
| **RECEPTION DATE:** | 03 JAN 2022 | **EMAIL:** | ccca3.lli@liebherr.com |
| **CUSTOMER PURCHASE ORDER:** | R389514 | **DATE:** | 27 JAN 2022 |
| **OPERATOR:** | Smart Lynx | | |
| **AIRCRAFT TYPE:** | A321 | | |
| **AIRCRAFT REG. NUMBER:** | YL-LCQ | | |
| **AIRCRAFT SERIAL NUMBER:** | N/A | | |
| **ADD. CUSTOMER DOCUMENTS:** | N/A | | |

## RECEIVED UNIT

| | |
|---|---|
| **CUSTOMER REFERENCE:** | 963B0000-01 |
| **PART NUMBER:** | 963B0000-01 |
| **AMENDMENT:** | - |
| **SERIAL NUMBER:** | 03019 |
| **DESCRIPTION:** | FLOW CONTROL VALVE |
| **MANUFACTURING CODE:** | F1958 |
| **MANUFACTURING DATE:** | 05.98 |

## DELIVERED UNIT

| | |
|---|---|
| **CUSTOMER REFERENCE:** | 963B0000-01 |
| **PART NUMBER:** | 963B0000-01 |
| **AMENDMENT:** | - |
| **SERIAL NUMBER:** | 03019 |
| **DESCRIPTION:** | FLOW CONTROL VALVE |

## TIMES & CYCLES

| TSN | TSO | TSI | CSN | CSO | CSI |
|---|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A | N/A |

| | | | |
|---|---|---|---|
| **INSTALLATION DATE:** | N/A | **REMOVAL DATE:** | N/A |
| **LIFE LIMITED PARTS EXISTING:** | No | **NON INCIDENT STATEM.:** | No |
| **LOG CARD EXISTING:** | No | | |

| | |
|---|---|
| **MAINTENANCE DOSSIER:** | 963* / VERSION 2 (07 OCT 2021) |
| **APPROVED DATA & MAINTENANCE DOCUMENTS:** | CMM 21-63-51 / REVISION 13 / 15 JUNE 2021 |

| | | | |
|---|---|---|---|
| **TYPE OF CERTIFICATE:** | FAA PART 145, EASA PART 145 | **WORK REQUESTED:** | Repair |
| | | **WORK PERFORMED:** | Repaired |

## REASON FOR RETURN:

Trim air valve AFT cabin interm amber crosses

## FINDINGS AND ANALYSIS:

Findings from Analysis:

- Unit received in dirty condition.
- Bonding resistance out of tolerance.

Findings on parts:

- ACTUATOR, ELECTRICALLY-MECHANICALLY 9069B1003-01 A, Serial no./Batch no. 03739, Reason for removal: Electronically defec
- BUSHING 963-0120, Serial no./Batch no. N/A, Reason for removal: Coating flawed
- RING 963-0113, Serial no./Batch no. N/A, Reason for removal: Worn
- BALL BEARING 9006A0033-01, Serial no./Batch no. N/A, Reason for removal: Worn
- BALL BEARING 9006A0033-01, Serial no./Batch no. N/A, Reason for removal: Worn
- VALVE HOUSING, ASSY 963A0200-01, Serial no./Batch no. N/A, Reason for removal: Dirty

## WORK PERFORMED:

- Unit disassembled in accordance with referenced approved data.
- Unit cleaned in accordance with the referenced approved data.
- Unit inspected in accordance with referenced approved data.
- Unit repaired in accordance with the referenced approved data.
- Unit tested in accordance with referenced approved data.

Work performed on parts:

- ACTUATOR, ELECTRICALLY-MECHANICALLY 9069B1003-01 A, Serial no./Batch no. 03739, Corrective action: Replaced with a maintained unit with Part Number 9069B1003-01 A with Serial Number 07621.
- BUSHING 963-0120, Serial no./Batch no. N/A, Corrective action: Replaced with a maintained unit with Part Number 963-0120.
- RING 963-0113, Serial no./Batch no. N/A, Corrective action: Replaced with a new unit with Part Number 963-0113 with Batch Number 72609.
- BALL BEARING 9006A0033-01, Serial no./Batch no. N/A, Corrective action: Replaced with a new unit with Part Number 9006A0033 -01 with Batch Number MWCYK60.
- BALL BEARING 9006A0033-01, Serial no./Batch no. N/A, Corrective action: Replaced with a new unit with Part Number 9006A0033 -01 with Batch Number MWCYK60.
- VALVE HOUSING, ASSY 963A0200-01, Serial no./Batch no. N/A, Corrective action: Unit maintained.

## LIFE LIMITED PARTS RECEIVED:

N/A

## LIFE LIMITED PARTS DELIVERED:

N/A

## SHOP FINDING REPORT APPROVED:

**VALIDATION DATE:** 27 JAN 2022

**VALIDATED BY:** Sigrid Ruppaner (electronic signature)