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**SERVICE BULLETIN****N° 139-734****ALERT****DATE:** April 13, 2023**REV. :** A - April 28, 2023

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**TITLE****ATA 25 – LIFE RAFT INFLATION SYSTEM REPLACEMENT****REVISION LOG**

Helicopters already compliant with the first issue of the Service Bulletin do not need any additional action.

Rev. A is issued to update the effectivity section.

Revision bars identify changes.

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An appropriate entry should be made in the aircraft log book upon accomplishment.  
If ownership of aircraft has changed, please, forward to new owner.

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# 1. PLANNING INFORMATION

## A. EFFECTIVITY

### NOTE

It is necessary to check the Collective Emergency Life Raft Log Card to verify if the specific component is affected by this Service Bulletin.

### NOTE

The Inflation Systems indicated below are NOT affected by this Service Bulletin only in case:

- the Aero Sekur Service Bulletin SB-139-25-005 or Survitec Service Bulletin SB 25-225-A is already marked on the Collective Emergency Life Raft Log Card and on the relative label, where the affected Inflation System is fitted (ref. to Figure 3);
- the Survitec Service Bulletin SB 25-225-A is already marked on the affected Inflation System (ref. to Figure 3).

All life raft inflation systems P/N 202402A (RFD P/N 45521002) part of life raft assemblies P/N 3G2560V00331, P/N 3G2560V00332, P/N 3G2560V00333 or P/N 3G2560V00334 with S/Ns listed in Figure 1 and P/N 202256A (RFD P/N 45521003) part of life raft assemblies P/N 3G2560V00431, P/N 3G2560V00432, P/N 3G2560V00433 or P/N 3G2560V00434 with S/Ns listed in Figure 2 provided and installed on AW139 helicopters or kept in stock.

## B. COMPLIANCE

Within and not later than 300 flight hours or 1 year whichever occurs first from the first issue date of this Service Bulletin.

## C. CONCURRENT REQUIREMENTS

N.A.

## D. REASON

This Service Bulletin is issued in order to replace a specific batch of inflation systems part of life raft kits P/N 3G9560F00111, P/N 3G9560F00112 or P/N 4G2560F00811.

## E. DESCRIPTION

As a consequence of an in-service event where the valve of a spare inflation system was broken during shipment, due to inappropriate packaging by the Supplier, this Service Bulletin prescribes the replacement of the inflation system belonging to a specific batch of S/Ns which have been shipped as spares in the same conditions.

It is required a log card inspection in order to identify the affected S/N.

## F. APPROVAL

The technical content of this Service Bulletin is approved under the authority of DOA nr. EASA.21.J.005. For helicopters registered under other Aviation Authorities, before applying the Service Bulletin, applicable Aviation Authority approval must be checked within Leonardo Helicopters customer portal.

EASA states mandatory compliance with inspections, modifications or technical directives and related time of compliance by means of relevant Airworthiness Directives. If an aircraft listed in the effectivity embodies a modification or repair not LHD certified and affecting the content of this Service Bulletin, it is responsibility of the Owner/Operator to obtain a formal approval by Aviation Authority having jurisdiction on the aircraft, for any adaptation necessary before incorporation of the present Service Bulletin.

## G. MANPOWER

To comply with this Service Bulletin 4 (four) MMH are deemed necessary.

MMH are based on hands-on time and can change with personnel and facilities available.

## H. WEIGHT AND BALANCE

N.A.

## I. REFERENCES

### 1) PUBLICATIONS

<u>DOCUMENT</u>	<u>DESCRIPTION</u>	<u>PART</u>
SB-139-25-005 Rev. 1	Aero Sekur Service Bulletin	-
SB 25-225-A	Survitec RFD Service Bulletin	-

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM02 39-A-25-62-03-00A-520A-K	Left life raft container - Remove procedure	-
DM03 39-C-25-62-04-00A-520A-K	Right life raft container - Remove procedure	-
DM04 39-A-25-62-04-00A-520A-K	Right life raft container - Remove procedure	-
DM05 39-C-25-62-03-00A-520A-K	Left life raft container - Remove procedure	-
DM06 39-A-25-62-03-00A-720A-K	Left life raft container - Install procedure	-
DM07 39-C-25-62-04-00A-720A-K	Right life raft container - Install procedure	-
DM08 39-A-25-62-04-00A-720A-K	Right life raft container - Install procedure	-
DM09 39-C-25-62-03-00A-720A-K	Left life raft container - Install procedure	-
DM10 39-A-25-62-07-02A-91LA-K	Life raft (life raft container) - Unfold/fold procedures	-

## 2) ACRONYMS & ABBREVIATIONS

AMD	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
MMH	Maintenance Man Hours
P/N	Part Number
S/N	Serial Number

## 3) ANNEX

N.A.

## J. PUBLICATIONS AFFECTED

N.A.

## K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

## **2. MATERIAL INFORMATION**

### **A. REQUIRED MATERIALS**

#### **1) PARTS**

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	202402A	45521002	Right Inflation System	AR	.	(1) (2)	-
2	202256A	45521003	Left Inflation System	AR	.	(1) (2)	-

Refer also to IPD for the spares materials required to comply with the AMP DMs referenced in the accomplishment instructions.

#### **2) CONSUMABLES**

Refer also to AMDI for the consumable materials required to comply with the AMP DM referenced in the accomplishment instructions.

#### **3) LOGISTIC MATRIX**

N.A.

#### **NOTE**

- (1) The quantity of the inflation systems depends on the results of the log card check.
- (2) If the check of the S/Ns on the log card requires a new inflation system, order P/N 202402A or P/N 202256A in accordance with the P/N of the inflation system affected.

### **B. SPECIAL TOOLS**

Refer also to ITEP for the special tools required to comply with the AMP DM referenced in the accomplishment instructions.

### **C. INDUSTRY SUPPORT INFORMATION**

To receive replacement component and tool in support of this Service Bulletin, the Customer should e-mail a request to [product-support@sekur.aero](mailto:product-support@sekur.aero) or to Leonardo Helicopters (LH) depending on contractual requirements. The request should refer to Service Bulletin 139-734, with instructions on the location where the replacement has to be shipped adding relative Log Card with evidence of the S/N of the component installed or in stock. In case of this documentation is missing the request could be rejected.

Aero Sekur or LH will provide information with return address with shipping instructions. Moreover, an RMA for the component being replaced will be issue. Shipping costs will be FOC for customers.

NOTE: On RMA will be included all data about the unit disembarked from the aircraft (P/N 202402A/45521002 or P/N 202256A/45521003). The unit has to be returned to LHD within thirty (30) calendar days after the shipment of the replacement part.

In case of missing return within thirty (30) calendar days, Customer will be invoiced for the price of the replacement part (P/N 202402A/45521002 or P/N 202256A/45521003).

### **3. ACCOMPLISHMENT INSTRUCTIONS**

#### **GENERAL NOTE**

- a) Place an identification tag on all components that are re-usable, including the attaching hardware that has been removed to gain access to the modification area and adequately protect them until their later re-use.
- b) For the physical identification of cylinder and valve S/Ns refer also to Figure 4.

#### **NOTE**

Skip the following step for components kept in stock.

1. In accordance with AMP DM 39-A-00-20-00-00A-120A-A, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. If the S/N of the inflation system is included in the lists of Figures 1 and 2 replace the inflation system in accordance to the following procedure:

#### **NOTE**

Skip the following step for components kept in stock.

- 2.1 In accordance with AMP DM 39-A-25-62-03-00A-520A-K or AMP DM 39-C-25-62-04-00A-520A-K or AMP DM 39-A-25-62-04-00A-520A-K or AMP DM 39-C-25-62-03-00A-520A-K, as applicable, remove the life raft from the helicopter.
- 2.2 In accordance with the applicable steps of AMP DM 39-A-25-62-07-02A-91LA-K remove the affected inflation system and send it back to Aero Sekur, or to Leonardo Helicopters (LH) depending on contractual requirements, in order to receive a serviceable inflation system.
- 2.3 In accordance with the applicable steps of AMP DM 39-A-25-62-07-02A-91LA-K install a serviceable inflation system on the life raft.

#### **NOTE**

Skip the following step for components kept in stock.

- 2.4 In accordance with AMP DM 39-A-25-62-03-00A-720A-K or AMP DM 39-C-25-62-04-00A-720A-K or AMP DM 39-A-25-62-04-00A-720A-K or AMP DM 39-C-25-62-03-00A-720A-K, as applicable, reinstall the life raft on the helicopter.

### NOTE

Skip steps 3 and 4 for components kept in stock.

3. Repeat step 2, if applicable, on the life raft on the opposite side.
4. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook and on the component log card.
5. Gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

As an alternative, send the attached compliance form to the following mail box:

[engineering.support.lhd@leonardo.com](mailto:engineering.support.lhd@leonardo.com)

and (for North, Central and South America) also to:

[AWPC.Engineering.Support@leonardocompany.us](mailto:AWPC.Engineering.Support@leonardocompany.us)



Cylinder serial number	Valve serial number	Cylinder serial number	Valve serial number
OL44022	22280	OL44431	24437
OL44031	22284	OL44436	24440
OL44160	22302	OL44437	24434
OL44195	24252	OL44438	24433
OL44219	24254	OL44443	24405
OL44261	24248	OL44444	24441
OL44282	24250	OL44445	24435
OL44287	24284	OL44446	24438
OL44307	22290	OL44472	24450
OL44311	22306	OL44474	24449
OL44335	24285	OL44485	24451
OL44337	24434	OL44496	22493
OL44341	24291	OL44510	22496
OL44346	24290	OL44524	22494
OL44350	24137	OL44543	24491
OL44355	24286	OL44557	24492
OL44360	24289	OL44562	25131
OL44372	24347	OL44574	25132
OL44381	24309	OL44623	25239
OL44394	24305	OL44625	25170
OL44415	24408	OL44628	25172
OL44417	24406	OL44632	25238
OL44420	24442	OL44636	25235
OL44421	24407	OL44638	25171
OL44426	24436	OL44641	25267
OL44429	24439	OL44645	25237

**P/N 202402A (RFD P/N 45521002)**

**Figure 1**

Cylinder serial number	Valve serial number
OL44026	23089
OL44023	23072
OL44027	23068
OL44012	23067
OL44137	23066
OL44115	26093
OL44111	22110
OL44102	23033
OL44106	23031
OL44107	22172
OL44084	22107
OL44089	23063
OL44128	23335
OL44129	23334
OL44268	24139
OL44286	24239
OL44365	24235
OL44339	24270
OL44349	24271
OL44361	24273
OL44357	24243
OL44352	24275
OL44368	24363
OL44383	24277
OL44319	24362
OL44416	24364
OL44481	24423

Cylinder serial number	Valve serial number
OL44368	24363
OL44466	24420
OL44487	24424
OL44463	24457
OL44473	24459
OL44471	24458
OL44480	24461
OL44450	24422
OL44550	25113
OL44551	25110
OL44552	25111
OL44553	25112
OL44519	25128
OL44462	24460
OL44573	25145
OL44596	25141
OL44455	25126
OL44609	25150
OL44573	25145
OL44563	25142
OL44567	25160
OL44590	25159
OL44597	25157
OL44612	25158
OL44631	25161
OL44624	25234

**P/N 202256A (RFD P/N 45521003)**

**Figure 2**

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INFLATABLE LIFERAFT  
TYPE  
PART No.  
DATE OF MFR.  
RATED CAPACITY      PERS.  
OVERLOAD CAPACITY   PERS.  
SERIAL No.  
STOWAGE TYPE  
TOTAL WEIGHT  
INSPECTED  
NEXT SERVICE DUE  
CAA APPROVAL E  
FAA TSO C70a TYPE  
FAR PART  
E.L.T./BEACON      YES/NO  
**RFD** LTD.  
DUNMURRY, BELFAST.  
N. IRELAND.  
VALISE P.N.  
**ASB 25-225-A VER.1 APPLIED**



VALVE P/N

Figure 3



CYLINDER S/N



VALVE S/N

**Figure 4**

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