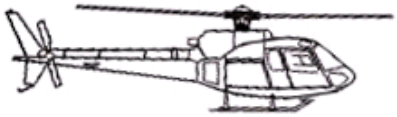
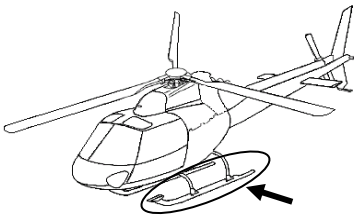


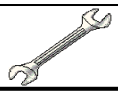
Civil version(s): B, B1, B2, B3, BA, BB, D
Military version(s): L1

ALERT SERVICE BULLETIN

PROTECTIVE MEASURE

EQUIPMENT AND FURNISHINGS - Emergency floatation system
Inspection of the floatation balloon supply hoses



For the attention of	
	

Revision No.	Date of issue
Revision 0	2020-01-07
Revision 1	2020-02-12

Summary:

During maintenance operations on the emergency floatation system of an AS365 helicopter, the third compartment of the LH front floatation balloon did not inflate.
After analysis, the hose that supplies the gas flow from the cylinder assembly to the related floatation balloon compartment was found clogged.

This ALERT SERVICE BULLETIN provides the instructions for checking that there is no obstruction in the floatation balloon supply hoses of the emergency floatation system.

Reason for last revision:

The purpose of revision 1 of this ALERT SERVICE BULLETIN is:
- to update the organization of the effectivity paragraph to improve understanding and to modify exclusion conditions of some floatation balloon S/Nos.,
- to replace "next minor maintenance of the emergency floatation system" with "next scheduled maintenance of the floatation balloon" in the compliance paragraph of this ALERT SERVICE BULLETIN,
- to specify that customers who are able to perform the maintenance of the floatation balloon as per the maintenance documentation can themselves comply with the appended Safran Aerosystems Service Bulletin,
- to modify Safran Aerosystems Service Bulletin in the appendix.

Compliance:

Compliance with this ALERT SERVICE BULLETIN is mandatory.

ASB AS350 25.04.10

1. PLANNING INFORMATION

CAUTION

THIS ALERT SERVICE BULLETIN IS WRITTEN BASED ON THE ORIGINAL HELICOPTER CONFIGURATION (AS DEFINED IN THE INDIVIDUAL INSPECTION LOG BOOK (RIC)). IT ALSO TAKES INTO ACCOUNT ALL AIRBUS HELICOPTERS APPROVED CONFIGURATION CHANGES MADE AFTER DELIVERY, IF AIRBUS HELICOPTERS WAS INFORMED OF THEM. IT IS THE RESPONSIBILITY OF THE OPERATOR TO CHECK THE COMPATIBILITY OF ANY MODIFICATIONS WITH THE CURRENT HELICOPTER CONFIGURATION. IF MODIFICATIONS ARE INCOMPATIBLE, IT IS THE RESPONSIBILITY OF THE OPERATOR TO DEFINE THE NECESSARY ADAPTATION WORK AND HAVE THEM APPROVED BY THE AIR TRANSPORT AUTHORITIES IN THE COUNTRY CONCERNED, AND TO MAKE SURE THAT THEIR AIRWORTHINESS IS FOLLOWED UP.

1.A. EFFECTIVITY

1.A.1. Helicopters/installed equipment or parts

1.A.1.a. Affected parts

Helicopters equipped with emergency floatation system parts with the following MP/Nos. and for which the emergency floatation system parts have been produced before the first issue date of this ALERT SERVICE BULLETIN:

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon
		200734-0	RH floatation balloon
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon
		200734-0	RH floatation balloon

1.A.1.b. Non-affected S/Nos.

- In the following table, S/Nos. excluded (because already checked by Safran Aerosystems):

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation	S/Nos. excluded
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
		200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
		200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161

- In the following table, S/Nos. can be excluded only if it can be secured that:
  . no hose has been replaced during any MRO action,
  And
  . the floatation balloon was originally delivered together with the helicopter.

If this information cannot be secured, then consider that the S/Nos. are affected:

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation	Excluded S/Nos., only if it can be secured that no hose has been replaced during any MRO action and the floatation balloon was originally delivered together with the helicopter
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	2792 and higher
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon	2783 and higher
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon	2792 and higher
		200734-0	RH floatation balloon	2783 and higher
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	2792 and higher
		200734-0	RH floatation balloon	2783 and higher

NOTE 1

The S/N of the emergency floatation assembly is the same as the S/N of the floatation balloon.

NOTE 2

Helicopters on which Safran Aerosystems Service Bulletin No. 025-69-18 is marked on the Log Cards of the emergency floatation system parts are not concerned.

NOTE 3

Refer to the Log Cards (FM) to identify the current modification status of the equipment.

1.A.2. Non-installed equipment or parts

1.A.2.a. Affected parts

In the following table, emergency floatation system parts produced before the first issue date of this ALERT SERVICE BULLETIN and listed below:

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon
		200734-0	RH floatation balloon
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon
		200734-0	RH floatation balloon

And/or

Spare hoses MP/N 200548-1 produced before January 2014.

NOTE 4

Hoses with a visible green "dot" on the base of the checked end fitting (or banjo union) are not concerned.

1.A.2.b. Non-affected S/Nos.

- In the following table, S/Nos. excluded (because already checked by Safran Aerosystems):

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation	S/Nos. excluded
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
		200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	1850, 1884, 2034, 2126, 2250, 2314, 2932, 3030, 3040, 3104, 3166, 3186
		200734-0	RH floatation balloon	1841, 2023, 2243, 2859, 2925, 3017, 3021, 3051, 3075, 3151, 3153, 3161

- In the following table, S/Nos. can be excluded only if it can be secured that:
  . no hose has been replaced during any MRO action,
  And
  . the floatation balloon was originally delivered together with the helicopter.

If this information cannot be secured, then consider that the S/Nos. are affected:

Emergency floatation system part MP/N	Safran equipment designation	Floatation balloon MP/N	Floatation balloon equipment designation	Excluded S/Nos., only if it can be secured that no hose has been replaced during any MRO action and the floatation balloon was originally delivered together with the helicopter
200737-0	L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	2792 and higher
200738-0	R/H CONTAINER ASSEMBLY	200734-0	RH floatation balloon	2783 and higher
209210-1	REMOVAL PART (WITHOUT GAS CYLINDER)	200733-0	LH floatation balloon	2792 and higher
		200734-0	RH floatation balloon	2783 and higher
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0	LH floatation balloon	2792 and higher
		200734-0	RH floatation balloon	2783 and higher

NOTE 5

The S/N of the emergency floatation assembly is the same as the S/N of the floatation balloon.

NOTE 6

Emergency floatation system parts on which Safran Aerosystems Service Bulletin No. 025-69-18 is marked on the Log Card are not concerned.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

Revision 0:

During maintenance operations on the emergency floatation system of an AS365 helicopter, the third compartment of the LH front floatation balloon did not inflate.
After analysis, the hose that supplies the gas flow from the cylinder assembly to the related floatation balloon compartment was found clogged.

This ALERT SERVICE BULLETIN provides the instructions for checking that there is no obstruction in the floatation balloon supply hoses of the emergency floatation system.

Revision 1:

The purpose of revision 1 of this ALERT SERVICE BULLETIN is:
- to update the organization of the effectivity paragraph to improve understanding and to modify exclusion conditions of some floatation balloon S/Nos.,
- to replace "next minor maintenance of the emergency floatation system" with "next scheduled maintenance of the floatation balloon" in the compliance paragraph of this ALERT SERVICE BULLETIN,
- to specify that customers who are able to perform the maintenance of the floatation balloon as per the maintenance documentation can themselves comply with the appended Safran Aerosystems Service Bulletin,
- to modify Safran Aerosystems Service Bulletin in the appendix.

Revision 1 of this ALERT SERVICE BULLETIN affects compliance with revision 0 of this ALERT SERVICE BULLETIN.

If revision 0 of this ALERT SERVICE BULLETIN has been complied with, please refer to paragraph 1.A.2.a. and the second table of paragraphs 1.A.1.b. and 1.A.2.b. and consider the additional requirements.

1.D. DESCRIPTION

This ALERT SERVICE BULLETIN consists in:
- removing the emergency floatation system parts,
- for staff **not able to perform the floatation balloon maintenance**:
  . return the emergency floatation system parts to Safran Aerosystems Services network for compliance with the Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.),
- for staff **able to perform the floatation balloon maintenance**:
  . comply with paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

NOTE 7

The inspection as per Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.) must be performed by the Safran Aerosystems Services network or by staff able to perform the floatation balloon maintenance as per the applicable maintenance documentation.

- installing the emergency floatation system parts.

1.E. COMPLIANCE

1.E.1. Compliance at H/C manufacturer level

Airbus Helicopters makes it mandatory to comply with the instructions of paragraph 3. of this ALERT SERVICE BULLETIN before the delivery of the helicopter (or the equipment).

1.E.2. Compliance in service

The work must be performed on the helicopter by the operator.

Helicopters/installed equipment or parts:

Case 1: Helicopters operated over water

Comply with paragraph 3. of this ALERT SERVICE BULLETIN within 600 flight hours from receipt of the ALERT SERVICE BULLETIN revision 0 issued on the date indicated in the page footer or at the next scheduled maintenance of the floatation balloon (the first limit reached is applicable).

Case 2: Helicopters not operated over water

Comply with paragraph 3. of this ALERT SERVICE BULLETIN at the next scheduled maintenance of the floatation balloon.

Non-installed equipment or parts:

Before installation on the helicopter or on the emergency floatation system parts, modify stocks as per paragraph 3.B.4. of this ALERT SERVICE BULLETIN without exceeding 6 months.

1.F. APPROVAL

Approval of modifications:

Not applicable.

Approval of this document:

The technical information contained in this ALERT SERVICE BULLETIN Revision 0 was approved on December 19, 2019 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

The technical information contained in this ALERT SERVICE BULLETIN Revision 0 was approved on December 19, 2019 by the Airbus Helicopters Airworthiness Department for export military versions.

The technical information contained in this ALERT SERVICE BULLETIN Revision 0 was approved on December 19, 2019 under the prerogatives of the recognition of design capability FRA21J-002-DGA for French Government helicopters.

The technical information contained in this ALERT SERVICE BULLETIN Revision 1 was approved on February 10, 2020 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

The technical information contained in this ALERT SERVICE BULLETIN Revision 1 was approved on February 10, 2020 by the Airbus Helicopters Airworthiness Department for export military versions.

The technical information contained in this ALERT SERVICE BULLETIN Revision 1 was approved on February 10, 2020 under the prerogatives of the recognition of design capability FRA21J-002-DGA for French Government helicopters.

1.G. MANPOWER

For compliance with this ALERT SERVICE BULLETIN, Airbus Helicopters recommends the following staff qualifications:

Qualification: - 1 Mechanical Technician.

The Estimated Man-hours are indicated for reference purposes only and based on a standard helicopter configuration.

Estimated Man-hours: - 2 hours for the Mechanical Technician (excluding the time for compliance with Safran Aerosystems Service Bulletin No. 025-69-18).

Estimated helicopter downtime is indicated for reference purposes only, based on a standard helicopter configuration.

Helicopter downtime is estimated at half a day.

1.H. WEIGHT AND BALANCE

Not applicable.

1.I. POWER CONSUMPTION

Not applicable.

1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

1.K. REFERENCES

The following documents are required for compliance with this ALERT SERVICE BULLETIN.

For helicopter versions B2, B3:

Aircraft Maintenance Manual (AMM):

AMM: 24-00-00,3-1: General Safety Instructions - Electrical Power Supply System - Electrical power
AMM: 25-67-00,3-1: General Safety Instructions - Emergency Floatation Gear - Emergency Floatation Gear
AMM: 25-67-00,4-1: Removal / Installation - Emergency Floatation Gear - Emergency Floatation Gear
AMM: 25-67-00,6-1: Inspection / Check - Emergency Floatation Gear Installation - Emergency Floatation Gear

For helicopter versions B, B1, BA, BB, D, L1:

Maintenance Manual (MET):

MET: 24-00-00-301: General instructions - Electrical power
MET: 25-62-10-401: Cylinders - Float and mounting assy: Removal - Installation - Emergency floatation gear

For all helicopters:

Standard Practices Manual (MTC):

MTC: 20-07-01-201: Handling of helicopters in a hangar and in a prepared area - Handling
MTC: 20-07-02-201: Helicopter parked in a repair shop - Safety instructions
MTC: 20-07-03-406: Instructions applicable when working on an aircraft electrical circuit and power generating systems - Technical instructions
MTC: 20-07-03-408: Appearance checks on an aircraft after an inspection or repair - Technical instructions
MTC: 20-08-05-102: Rules in force applicable for repair and maintenance of aircraft - General rules applicable to aircraft

1.L. OTHER AFFECTED PUBLICATIONS

CAUTION

TO COMPLY WITH THIS ALERT SERVICE BULLETIN, THE OPERATOR MUST MAKE SURE THAT ALL THE MAINTENANCE DOCUMENTS REQUIRED FOR THE MAINTENANCE OF THIS INSTALLATION ARE AVAILABLE. IF NOT, IT IS THE OPERATOR'S RESPONSIBILITY TO OBTAIN THE DOCUMENTS FROM THE USUAL AIRBUS HELICOPTERS CONTACT.

1.M. PART INTERCHANGEABILITY OR MIXABILITY

Not applicable.

2. EQUIPMENT OR PARTS INFORMATION

2.A. EQUIPMENT OR PARTS: PRICE - AVAILABILITY - PROCUREMENT

Refer to paragraph 2. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

2.B. LOGISTIC INFORMATION

Refer to paragraph 2. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Refer to paragraph 2. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

2.D. EQUIPMENT OR PARTS TO BE RETURNED

Refer to paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

For helicopter versions B2, B3:
- As per Task 24-00-00,3-1 (AMM), read and comply with the general instructions on the electrical power supply system.
- As per Task 25-67-00,3-1 (AMM), read and comply with the general instructions on the emergency floatation system.

For helicopter versions B, B1, BA, BB, D, L1:
- As per Work Card 24-00-00-301 (MET), read and comply with the general instructions on the electrical power.

For all helicopters:

- As per Work Card 20-07-01-201 (MTC), read and comply with the instructions for handling helicopters in a hangar and in a prepared area.
- As per Work Card 20-07-02-201 (MTC), read and comply with the safety instructions for parking the helicopter in a repair shop.
- As per Work Card 20-07-03-406 (MTC), read and comply with the technical instructions applicable when working on an aircraft electrical circuit and power generating systems.
- As per Work Card 20-08-05-102 (MTC), read and comply with the general rules in force applicable to the repair and maintenance of aircraft.

3.B. WORK STEPS

3.B.1. Preliminary steps

- Install the appropriate access equipment.
- Disconnect all the electrical power supplies.
- Remove all the equipment and furnishings to enable adequate access to the work area.

3.B.2. Procedure

For helicopter versions B2, B3:

- Remove the emergency floatation system part as per Task 25-67-00,4-1 (AMM).
- For staff **not able to perform the floatation balloon maintenance**:
  . return the emergency floatation system parts to Safran Aerosystems Services network for compliance with the Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.),
- For staff **able to perform the floatation balloon maintenance**:
  . comply with paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

NOTE 1

The inspection as per Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.) must be performed by the Safran Aerosystems Services network or by staff able to perform the floatation balloon maintenance as per the applicable maintenance documentation.

- Install the emergency floatation system part on which Safran Aerosystems Service Bulletin No. 025-69-18 is marked on the Log Card as per Task 25-67-00,4-1 (AMM).

For helicopter versions B, B1, BA, BB, D, L1:

- Remove the emergency floatation system part as per Work Card 25-62-10-401 (MET).
- For staff **not able to perform the floatation balloon maintenance**:
  . return the emergency floatation system parts to Safran Aerosystems Services network for compliance with the Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.),
- For staff **able to perform the floatation balloon maintenance**:
  . comply with paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

NOTE 2

The inspection as per Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.) must be performed by the Safran Aerosystems Services network or by staff able to perform the floatation balloon maintenance as per the applicable maintenance documentation.

- Install the emergency floatation system part on which Safran Aerosystems Service Bulletin No. 025-69-18 is marked on the Log Card as per Work Card 25-62-10-401 (MET).

3.B.3. Final steps

- Clean the work areas and the helicopter as per Work Card 20-07-03-408 (MTC).
- Install the equipment and furnishings removed during preliminary steps (paragraph 3.B.1.).
- Connect all the electrical power supplies again.
- Clear the access equipment.
- Set the helicopter to flight condition.

3.B.4. Work steps for non-installed equipment or parts

3.B.4.a. Check of the emergency floatation system spare parts

- For staff **not able to perform the floatation balloon maintenance**:
  . return the emergency floatation system parts to Safran Aerosystems Services network for compliance with the Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.),
- For staff **able to perform the floatation balloon maintenance**:
  . comply with paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

NOTE 3

The inspection as per Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.) must be performed by the Safran Aerosystems Services network or by staff able to perform the floatation balloon maintenance as per the applicable maintenance documentation.

3.B.4.b. Check the spare hoses

For the spare hoses listed in paragraph 1.A.2., comply with paragraph 3.C. of Safran Aerosystems Service Bulletin No. 025-69-18 (Appendix 4.A.).

3.C. RECORD OF COMPLIANCE

Compliance with this document:

- Record full compliance with this ALERT SERVICE BULLETIN, with the revision number, in the helicopter documents.

- Record full compliance with this ALERT SERVICE BULLETIN, with the revision number, in the Log Card (FM) of the emergency floatation system part.

  And/or

  Record full compliance with this ALERT SERVICE BULLETIN, with the revision number, in the Log Card (FM) of the floatation balloon.

- Please confirm compliance with this ALERT SERVICE BULLETIN:
  QR-Code or hypertext link

NOTE 4

The recording of compliance with ALERT SERVICE BULLETINS in the R-Tex tool does not replace the recording in the helicopter documents.

ASB AS350 25.04.10

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Operating instructions:

Not applicable.

Maintenance instructions:

For helicopter versions B2, B3:
Refer to the Aircraft Maintenance Manual (AMM) in effect.

For helicopter versions B, B1, BA, BB, D, L1:
Refer to the Maintenance Manual (MET) in effect.

4. APPENDIX

4.A. Safran Aerosystems Service Bulletin No. 025-69-18 revision 01

SAFRAN

SAFRAN AEROSYSTEMS SERVICES

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TRANSMITTAL LETTER

This Transmittal Letter applies to the revision No.01, dated FEB 04/20, of Service Bulletin 025-69-18.

REASON FOR REVISION:

Not applicable.

REVISION SEQUENCE:

Initial issue ...: DEC 11/19
Revision 01 ..: FEB 04/20

DATE: FEB 04/20
REVISION: 01

SERVICE BULLETIN

025-69-18
PAGE: 1 / 2

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SERVICE BULLETIN SUMMARY

1. PLANNING INFORMATION 1

A. EFFECTIVITY 1
B. CONCURRENT REQUIREMENTS 9
C. REASON 9
D. DESCRIPTION 9
E. COMPLIANCE 9
F. APPROVAL 9
G. MANPOWER 10
H. WEIGHT AND BALANCE 10
I. ELECTRICAL LOAD DATA 10
J. SOFTWARE ACCOMPLISHMENT SUMMARY 10
K. REFERENCES 10
L. PUBLICATIONS AFFECTED 11
M. INTERCHANGEABILITY 11

2. MATERIAL INFORMATION 12

A. MATERIAL - PRICE AND AVAILABILITY 12
B. INDUSTRY SUPPORT INFORMATION 12
C. LIST OF COMPONENTS 12
D. SUBCOMPONENTS TO BE RE-IDENTIFIED 13
E. TOOLING 13
F. SPECIAL TOOLS 13

3. ACCOMPLISHMENT INSTRUCTIONS 14

A. GENERAL 14
B. PREPARATION 16
C. PROCEDURE 16
D. RE-IDENTIFICATION 18
E. TEST 18
F. CLOSE-UP 18

FIGURE 1 19
FIGURE 2 19
FIGURE 3 20

APPENDIX 21

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SAFRAN

AEROSYSTEMS

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SERVICE BULLETIN

TITLE: EQUIPMENT/FURNISHINGS (ATA 25)
EMERGENCY FLOTATION SYSTEMS
INSPECTION OF FLOAT SUPPLY HOSES

1. PLANNING INFORMATION

A. Effectivity

(1) Concerned equipment

This Service Bulletin applies to the in-service Safran Aerosystems (SAO) Emergency Flotation System (EFS) manufactured before 07/2019, and the float supply hoses manufactured before 01/2014.

NOTE: Identification information (EFS part number, float part number, serial number…) mentioned in this Service Bulletin are available on the adhesive identification label of the related equipment. Refer to Table 5 and related Component Maintenance Manual to find the labels location on the equipment.

EFS parts on which Safran Aerosystems Service Bulletin 025-69-18 is marked on the log-card are not concerned.

(a) In-service equipment possibly affected

NOTE: Serial number of EFS containing hoses already verified by Safran Aerosystems Services during maintenance of corresponding EFS since 06/2019 are included in Appendix at the end of this document.
The Service Bulletin (SB) is not applicable to EFS whose the serial number is mentioned.

SAO EFS P/N	DESIGNATION	RELATED FLOAT P/N	SAO HOSE AFFECTED P/N
158519-4	R/H AFT FLOAT ASSEMBLY	159128-2	200029-2
158950-4	L/H AFT FLOAT ASSEMBLY	159128-2	200029-2
200555-0	EFS REMOVAL PART	200733-0 200734-0	200548-1
200555-1	EFS REMOVAL PART	200733-0 200734-0	200548-1
200737-0	L/H CONTAINER ASSEMBLY	200733-0	200548-1
200738-0	R/H CONTAINER ASSEMBLY	200734-0	200548-1
202401-3	L/H FWD FLOTATION ASSEMBLY	204037-3	200030-1
202402-3	R/H FWD FLOTATION ASSEMBLY	204038-3	200030-1
202403-1	L/H FWD FLOTATION ASSEMBLY	204037-3	200030-1
202404-1	R/H FWD FLOTATION ASSEMBLY	204038-3	200030-1

SAO EFS P/N	DESIGNATION	RELATED FLOAT P/N	SAO HOSE AFFECTED P/N
202456-0	FWD FLOTATION ASSEMBLY	-	202457-0(1)
202456-0	FWD FLOTATION ASSEMBLY	-	208045-0(1)
202456-1	FWD FLOTATION ASSEMBLY	-	202457-0(1)
202456-1	FWD FLOTATION ASSEMBLY	-	208045-0(1)
203300-2	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3	200030-1
203300-2	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3	202409-1(1)
203300-2	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3	202410-0(1)
203300-2	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3	202414-1(1)
203645-3	EMERGENCY FLOTATION SYSTEM	204037-3 204038-3 159128-2	200029-2
203645-3	EMERGENCY FLOTATION SYSTEM	204037-3 204038-3 159128-2	200030-1
203645-3	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3 159128-2	202409-1(1)
203645-3	EMERGENCY FLOTATION STYSTEM	204037-3 204038-3 159128-2	202410-0(1)
208753-2	EFS (without gas cylinders)	204037-3 204038-3 159128-2	200029-2
208753-2	EFS (without gas cylinders)	204037-3 204038-3 159128-2	200030-1
208753-2	EFS (without gas cylinders)	204037-3 204038-3 159128-2	202409-1(1)
208753-2	EFS (without gas cylinders)	204037-3 204038-3 159128-2	202410-0(1)
208754-2	EFS (without gas cylinders)	204037-3 204038-3	200030-1
208754-2	EFS (without gas cylinders)	204037-3 204038-3	202409-1(1)
208754-2	EFS (without gas cylinders)	204037-3 204038-3	202410-0(1)

SAO EFS P/N	DESIGNATION	RELATED FLOAT P/N	SAO HOSE AFFECTED P/N
208754-2	EFS (without gas cylinders)	204037-3 204038-3	202414-1(1)
209210-1	REMOVAL PART (without gas cylinder)	200733-0 200734-0	200548-1
214541-0	L/H FWD FLOTATION	-	214537-0
214541-1	L/H FWD FLOTATION	-	214537-0
214542-0	R/H FWD FLOTATION	-	214537-0
214542-1	R/H FWD FLOTATION	-	214537-0
214543-0	L/H AFT FLOTATION	-	214936-0
214543-1	L/H AFT FLOTATION	-	214936-0
214544-0	R/H AFT FLOTATION	-	214936-0
214544-1	R/H AFT FLOTATION	-	214936-0
214759-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0 214965-0	200548-1
214964-0	R/H CONTAINER ASSEMBLY	214965-0	200548-1
215674-0	L/H FLOTATION ASSEMBLY	215481-0	215483-0
215674-1	L/H FLOTATION ASSEMBLY	215481-0	215483-0
215674-2	L/H FLOTATION ASSEMBLY	215481-0	215483-0
215674-3	L/H FLOTATION ASSEMBLY	215481-0	215483-0
215675-0	R/H FLOTATION ASSEMBLY	215482-0	215483-0
215675-1	R/H FLOTATION ASSEMBLY	215482-0	215483-0
215675-2	R/H FLOTATION ASSEMBLY	215482-0	215483-0
215675-3	R/H FLOTATION ASSEMBLY	215482-0	215483-0
215701-0	EMERGENCY FLOTATION STYSTEM	216064-0 216167-0 159128-2	200029-2
215701-0	EMERGENCY FLOTATION STYSTEM	216064-0 216167-0 159128-2	200030-1
215701-0	EMERGENCY FLOTATION STYSTEM	216064-0 216167-0 159128-2	202409-1(1)
215701-0	EMERGENCY FLOTATION STYSTEM	216064-0 216167-0 159128-2	202410-0(1)
216118-0	L/H FWD FLOAT ASSEMBLY	216064-0	200030-1
216119-0	R/H FWD FLOAT ASSEMBLY	216167-0	200030-1
216120-0	L/H AFT FLOTATION	216166-0	216187-0
216121-0	R/H AFT FLOTATION	216280-0	216187-0

SAO EFS P/N	DESIGNATION	RELATED FLOAT P/N	SAO HOSE AFFECTED P/N
216123-0	SYSTEM OF INFLATION	-	202409-1(1)
216123-0	SYSTEM OF INFLATION	-	216180-0(1)
216125-0	FWD FLOTATION ASSEMBLY	158820-3	202457-0(1)
216125-0	FWD FLOTATION ASSEMBLY	158820-3	208045-0(1)
216694-1	L/H FWD FLOAT ASSEMBLY	216686-0	216679-0
216695-1	R/H FWD FLOAT ASSEMBLY	216687-0	216679-0
216696-0	L/H AFT FLOAT ASSEMBLY	216688-0	216680-0
216787-0	R/H AFT FLOAT ASSEMBLY	216997-0	216680-0
217227-0	L/H FLOTATION	217174-0	217196-0
217227-1	L/H FLOTATION	217174-0	217196-0
217228-0	R/H FLOTATION	217195-0	217196-0
217228-1	R/H FLOTATION	217195-0	217196-0
217596-0	L/H FWD FLOAT ASSEMBLY	217811-0	217625-0
217597-0	R/H FWD FLOAT ASSEMBLY	217812-0	217625-0
217598-0	L/H AFT FLOAT ASSEMBLY	217813-0	217626-0
217599-0	R/H AFT FLOAT ASSEMBLY	217814-0	217626-0
218288-0	HOSE SYSTEM ASSEMBLY	-	202409-1(1)
218288-0	HOSE SYSTEM ASSEMBLY	-	202410-0(1)
218289-0	HOSE SYSTEM ASSEMBLY	-	202409-1(1)
218289-0	HOSE SYSTEM ASSEMBLY	-	202410-0(1)
218289-0	HOSE SYSTEM ASSEMBLY	-	202414-1(1)
218593-0	L/H FLOAT ASSEMBLY	218569-0	200548-1
218594-0	R/H FLOAT ASSEMBLY	218570-0	200548-1
220679-0	L/H FWD FLOTATION	-	210502-0
220679-1	L/H FWD FLOTATION	-	210502-0
220680-0	R/H FWD FLOTATION	-	210502-0
220680-1	R/H FWD FLOTATION	-	210502-0
220681-0	L/H AFT FLOTATION	-	221393-0
220681-1	L/H AFT FLOTATION	-	221393-0
220682-0	R/H AFT FLOTATION	-	221393-0
220682-1	R/H AFT FLOTATION	-	221393-0
222826-0	L/H FWD FLOTATION	212597-2	214537-0
223042-0	L/H FWD FLOTATION ASSEMBLY	204037-3	200030-1
223043-0	R/H FWD FLOTATION ASSEMBLY	204038-3	200030-1
223044-0	L/H AFT FLOAT ASSEMBLY	159128-2	200029-2
223045-0	R/H AFT FLOAT ASSEMBLY	159128-2	200029-2

SAO EFS P/N	DESIGNATION	RELATED FLOAT P/N	SAO HOSE AFFECTED P/N
223244-0	R/H AND L/H CONTAINER ASSEMBLY	200733-0 200734-0	200548-1

(1): SAO hoses installed on the helicopter (included to the flotation system but not packed)

AFT : Afterward
L/H : Left Hand
SAO : Safran Aerosystems
EFS : Emergency Flotation Sysytem
P/N : Part Number
L/H : Left Hand
R/H : Right Hand

Table 1 – List of in-service equipment possibly affected

(b) Spare component possibly affected

NOTE: Spare hoses that might be affected are the hoses manufactured before 2014.

I

SAO HOSE AFFECTED P/N
200029-2
200030-1
200548-1
202409-1
202410-0
202414-1
202457-0
208045-0
210502-0
214537-0
214936-0
215483-0
216180-0
216187-0
216679-0
216680-0
217196-0
217625-0
217626-0
221393-0

Table 2 – List of spare components possibly affected

(c) Customer equipment (Part 21) possibly affected

NOTE: List that follows concerns the equipment held by Airbus Helicopters (in Part 21 regulation). The effectivity related to these equipment is defined by the mentioned Serial Number (S/N) from which the Service Bulletin will be not applicable.

SAO EFS P/N	RELATED FLOAT P/N	S/N FOR EFFECTIVITY RANGE
158519-4	159128-2	3020
158950-4	159128-2	3020
200555-0	200733-0 200734-0	2792 2783
200555-1	200733-0 200734-0	2792 2783
200737-0	200733-0	2792
200738-0	200734-0	2783
202401-3	204037-3	1565
202402-3	204038-3	1572
202403-1	204037-3	1565
202404-1	204038-3	1572
203300-2	204037-3 204038-3	1565 1572
203645-3	204037-3 204038-3 159128-2	1565 1572 3020
208573-2	204037-3 204038-3 159128-2	1565 1572 3020
208754-2	204037-3 204038-3	1565 1572
209210-0	200733-0 200734-0	2792 2783
212026-0	213428-2 213429-2	208 209
212027-0	212512-2	465
212028-0	212597-2	474
214541-0	-	209
214541-1	-	523
214542-0	-	523
214542-1	-	513
214543-0	-	513
214543-1	-	515
214544-0	-	515
214544-1	-	516

SAO EFS P/N	RELATED FLOAT P/N	S/N FOR EFFECTIVITY RANGE
214759-0	200733-0 214965-0	2792 2949
214964-0	214965-0	2949
215674-0	215481-0	167
215674-1	215481-0	167
215674-2	215481-0	167
215674-3	215481-0	167
215675-0	215482-0	168
215675-1	215482-0	168
215675-2	215482-0	168
215675-3	215482-0	168
215701-0	216064-0 216167-0 159128-2	406 403 3020
216118-0	216064-0	406
216119-0	216167-0	403
216120-0	216166-0	186
216121-0	216280-0	190
216123-0	-	-
216125-0	158820-3	1106
216126-0	158565-5	982
216127-0	158566-5	982
216128-0	207035-2	135
216129-0	207036-2	134
216694-1	216686-0	112
216695-1	216687-0	103
216696-0	216688-0	99
216787-0	216997-0	99
217227-0	217174-0	166
217227-1	217174-0	166
217228-0	217195-0	171
217228-1	217195-0	171
217383-0	213428-2 217385-0	208 209
217596-0	217811-0	195
217597-0	217812-0	198
217598-0	217813-0	196
217599-0	217814-0	196
218094-0	218098-0	456
218095-0	218099-0	474

SAO EFS P/N	RELATED FLOAT P/N	S/N FOR EFFECTIVITY RANGE
218288-0	-	-
218289-0	-	-
218593-0	218569-0	2922
218594-0	218570-0	2781
219432-0	219413-0 219465-0	255 248
219433-0	219413-0 219414-0	255 248
219446-0	218098-0	456
219447-0	218099-0	474
220679-0	-	248
220679-1	-	68
220680-0	-	68
220680-1	-	70
220681-0	-	70
220681-1	-	72
220682-0	-	72
220682-1	-	72
220716-0	213428-2 213429-2	208 209
222690-0	212512-2	465
222691-0	212597-2	474
222826-0	-	-
223042-0	204037-3	1565
223043-0	204038-3	1572
223044-0	159128-2	3020
223045-0	159128-2	3020
223244-0	200733-0 200734-0	2792 2783

Table 3 – List of customer components (Part 21) possibly affected

B. Concurrent Requirements

None.

C. Reason

During maintenance operations on the Emergency Flotation System (EFS), the third compartment of the left forward float did not inflate.
After analyzing, the supply hose ensuring the gas flow from the cylinder assembly to the related float compartment was found blocked.

This Service Bulletin is issued to supply the instructions for verifying that there is no blockage through the float supply hoses of EFS inflation system.

D. Description

To prevent any significant operational disruptions, a special inspection has to be performed to in-service and spare supply hoses to verify that each component is fully operational and to ensure that the equipment is in normal condition.

NOTE: Refer to Table 1 to identify the hoses of in-service equipment and Table 2 for the spare components possibly affected.

E. Compliance

Inspection will be performed systematically during the first return of the equipment for maintenance or before delivery.

For spare parts, all the hoses manufactured before 01/2014 (manufacturing date on the hose identification plate), should be inspected before delivery, installation inside pack and at the latest within 6 months following release of this Service Bulletin (SB).

The procedure defined in this SB must be performed by the Safran Aerosystems Services network or by staff able to perform the float maintenance in accordance with applicable maintenance documentation.

F. Approval

The technical information contained in this Equipment Manufacturer's SB was approved by Airbus Helicopters (AH) under the prerogatives of EASA Design Organization Approval No.21J.700 only for the Airbus Helicopters helicopter range concerned.

G. Manpower

(1) 1 technician

(2) Estimated time: 10 minutes per hose (application of section 3.C of this Service Bulletin (SB)).

H. Weight and Balance

Not affected.

I. Electrical Load Data

Not affected.

J. Software Accomplishment Summary

Not applicable.

K. References

(1) Component Maintenance Manuals

- CMM 25-40-00
- CMM 25-69-06
- CMM 25-69-08
- CMM 25-69-14
- CMM 25-69-18
- CMM 25-69-20
- CMM 25-69-21
- CMM 25-69-22
- CMM 25-69-32
- CMM 25-69-35
- CMM 25-69-40
- CMM 25-69-42
- CMM 25-69-43
- CMM 25-69-70
- CMM 25-69-98

(2) Component Maintenance Publications (Data Modules)

- CMP 95-61-01
- CMP 95-62-01

L. Publications Affected

(1) Component Maintenance Manuals

- CMM 25-40-00
- CMM 25-69-06
- CMM 25-69-08
- CMM 25-69-14
- CMM 25-69-18
- CMM 25-69-20
- CMM 25-69-21
- CMM 25-69-22
- CMM 25-69-32
- CMM 25-69-35
- CMM 25-69-40
- CMM 25-69-42
- CMM 25-69-43
- CMM 25-69-70
- CMM 25-69-98

(2) Component Maintenance Publications (Data Modules)

- CMP 95-61-01
- CMP 95-62-01

M. Interchangeability

Not applicable.

2. MATERIAL INFORMATION

A. Material - Price and Availability

(1) Material to be purchased

Refer to Table 4.

(2) Price

Application of section 3.C of this Service Bulletin (SB) is free of charge if performed during maintenance.
If the SB has to be applied before the next maintenance based on Airbus Helicopters (AH) Alert Service Bulletin (ASB) compliance, the application of the SB is free of charge.
The SB shall be applied in Safran Aerosystems Services network to be free of charge.

Replacement of hose(s) (refer to Table 4) found defective (hose(s) blocked) after inspection will be free of charge.

(3) Availability

For order of spares parts, please contact Safran Aerosystems Services following this email address:
spares.order.sao@safrangroup.com

B. Industry Support Information

Visit Safran Aerosystems Services web site (capability List section) at the address that follows for an authorized Repair Center in your area:
www.safran-aerosystems.com/customers

C. List of Components

(1) Material to be purchased

SAO HOSE P/N	QUANTITY
200029-2	Upon request
200030-1	Upon request
200548-1	Upon request
202409-1	Upon request
202410-0	Upon request
202414-1	Upon request
202457-0	Upon request
208045-0	Upon request
210502-0	Upon request
214537-0	Upon request
214936-0	Upon request
215483-0	Upon request
216180-0	Upon request

SAO HOSE P/N	QUANTITY
216187-0	Upon request
216679-0	Upon request
216680-0	Upon request
217196-0	Upon request
217625-0	Upon request
217626-0	Upon request
221393-0	Upon request

Table 4 – List of materials

(2) Material supplied by the operator
Not applicable.

D. Subcomponents To Be Re-identified

Not applicable.

E. Tooling

- Plastic cable tie, 300 mm min. x 5 mm max. (11.811 in min. x .196 in max.) (commercially available),
- Mark & code pen, green, Dykem ref. 84007 (commercially available) or equivalent.

F. Special Tools

None.

Return to paragraph 2.

3. ACCOMPLISHMENT INSTRUCTIONS

CAUTION: APPLY THIS INSPECTION SERVICE BULLETIN ON CLEAN SURFACE AND WITH CLEAN HANDS.

A. General

(1) Refer to Table 5 that follows to identify the Component Maintenance Manual (CMM) related to in-service equipment to be verified.

SAO EFS P/N	EQUIPMENT DESIGNATION	CMM/CMP
158519-*	R/H AFT FLOAT ASSEMBLY	25-69-21 25-69-42
158950-*	L/H AFT FLOAT ASSEMBLY	25-69-21 25-69-42
200555-*	EFS REMOVAL PART	25-69-14
200737-0	L/H CONTAINER ASSEMBLY	25-69-08 25-69-14
200738-0	R/H CONTAINER ASSEMBLY	25-69-08 25-69-14
202401-*	L/H FWD FLOTATION ASSEMBLY	25-69-21 25-69-98
202402-*	R/H FWD FLOTATION ASSEMBLY	25-69-21 25-69-98
202403-1	L/H FWD FLOTATION ASSEMBLY	25-69-21
202404-1	R/H FWD FLOTATION ASSEMBLY	25-69-21
202456-*	FWD FLOTATION ASSEMBLY	25-69-18 25-69-70
203300-*	EMERGENCY FLOTATION STYSTEM	25-69-98
203645-*	EMERGENCY FLOTATION SYSTEM	25-69-21
208753-*	EFS (without gas cylinders)	25-69-21
208754-*	EFS (without gas cylinders)	25-69-98
209210-1	REMOVAL PART WITHOUT CYLINDER	25-69-08
214541-*	L/H FWD FLOTATION	95-61-01
214542-*	R/H FWD FLOTATION	95-61-01
214543-*	L/H AFT FLOTATION	95-62-01
214544-*	R/H AFT FLOTATION	95-62-01
214759-0	R/H AND L/H CONTAINER ASSEMBLY	25-69-08
214964-0	R/H CONTAINER ASSEMBLY	25-69-08
215674-*	L/H FLOTATION ASSEMBLY	25-69-32
215675-*	R/H FLOTATION ASSEMBLY	25-69-32
215701-0	EMERGENCY FLOTATION SYSTEM	25-69-42

SAO EFS P/N	EQUIPMENT DESIGNATION	CMM/CMP
216118-0	L/H FWD FLOAT ASSEMBLY	25-69-35 25-69-42 25-69-43
216119-0	R/H FWD FLOAT ASSEMBLY	25-69-35 25-69-42 25-69-43
216120-0	L/H AFT FLOTATION	25-69-35
216121-0	R/H AFT FLOTATION	25-69-35
216123-0	SYSTEM OF INFLATION	25-69-35
216125-0	FWD FLOTATION ASSEMBLY	25-69-18 25-69-70
216694-1	L/H FWD FLOAT ASSEMBLY	25-69-06
216695-1	R/H FWD FLOAT ASSEMBLY	25-69-06
216696-0	L/H AFT FLOAT ASSEMBLY	25-69-06
216787-0	R/H AFT FLOAT ASSEMBLY	25-69-06
217227-*	L/H FLOTATION	25-69-20
217228-*	R/H FLOTATION	25-69-20
217596-0	L/H FWD FLOAT ASSEMBLY	25-69-22
217597-0	R/H AFT FLOAT ASSEMBLY	25-69-22
217598-0	L/H AFT FLOAT ASSEMBLY	25-69-22
217599-0	R/H AFT FLOAT ASSEMBLY	25-69-22
218288-0	HOSE SYSTEM ASSEMBLY	25-69-21 25-69-42
218289-0	HOSE SYSTEM ASSEMBLY	25-69-43 25-69-98
218593-0	L/H FLOAT ASSEMBLY	25-69-40
218594-0	R/H FLOAT ASSEMBLY	25-69-40
220679-*	L/H FWD FLOTATION	25-40-00
220680-*	R/H FWD FLOTATION	25-40-00
220681-*	L/H AFT FLOTATION	25-40-00
220682-*	R/H AFT FLOTATION	25-40-00
222826-0	L/H FWD FLOTATION	95-61-01
223042-0	L/H FWD FLOTATION ASSEMBLY	25-69-21
223043-0	R/H FWD FLOTATION ASSEMBLY	25-69-21
223044-0	L/H AFT FLOAT ASSEMBLY	25-69-21
223045-0	R/H AFT FLOAT ASSEMBLY	25-69-21
223244-0	R/H AND L/H CONTAINER ASSEMBLY	25-69-08

Table 5 – List of Component Maintenance Manuals (CMMs) related to in-service equipment

B. Preparation

(1) Remove each supply hose from the float (applicable to in-service equipment)

(a) Refer to Component Maintenance Manual (CMM) for float unfolding and inflation assembly removal instructions.

C. Procedure

NOTE: The procedures that follow are applicable to each end (fitting or banjo) of the supply hose to be inspected. Figure 3 shows the different shapes of fittings installed on the hoses.

(1) Inspection of single section hoses (in-service equipment, spare component and Part 21 material)

(a) Insert the end of plastic cable tie in the hole of outlet fitting (or banjo) (refer to Figure 1):

- If the cable tie goes through the fitting (or banjo) freely up to a minimal length of 300 mm (11.811 in), the hose is fully operative (refer to Figure 2),
- If a blockage occurs in the duct of the fitting (or banjo), the hose is blocked internally and must be replaced:

  - *If your material is Part 145 (in-service equipment and spare component)* related:
    Please contact Safran Aerosystems Services to get a replacement part.

    Following the observation of the described discrepancy, you are invited to inform the Engineering Support Department of Safran Aerosystems Services of the technical occurrence, email address here below:
    tech-support.sao@safrangroup.com

  - *If your material is Part 21* related:
    Please contact Safran Aerosystems _ Floats & Rafts (F6101) to get a replacement part.

(b) After inspection, identify the hose inspected and found operative by applying a visible green "dot" on the base of the verified outlet fitting (or banjo) with a green Dykem mark & code pen ref. 84007 (or equivalent indelible green marking).

(c) Record the application of the service bulletin by writing down **SB 025-69-18** above the external identification marking of EFS.

(d) Accordingly complete the log-card of the equipment when the hose is installed on EFS by writing the date and the reference of the Service Bulletin.

(2) Inspection of hoses with more than one section (in-service equipment and spare component)

(a) For each section of the hose to be inspected, insert the end of plastic cable tie in the hole(s) of related fitting (or banjo) (refer to Figure 1):

- If the cable tie goes through the fitting (or banjo) freely up to a minimal length of 300 mm (11.811 in), the hose is fully operative (refer to Figure 2),
- If a blockage occurs in the duct of fitting (or banjo), the hose is blocked internally and must be replaced:
  - *If your material is Part 145 (in-service equipment and spare component)* related:
    Please contact Safran Aerosystems Services to get a replacement part.

    Following the observation of the described discrepancy, you are invited to inform the Engineering Support Department of Safran Aerosystems Services of the technical occurrence, email address here below:
    tech-support.sao@safrangroup.com
  - *If your material is Part 21* related:
    Please contact Safran Aerosystems _ Floats & Rafts (F6101) to get a replacement part.
- Do again the operation for all end-pieces and banjos of the hose.

  NOTE: For the double duct banjos, do the inspection for each duct through the related hole.

(b) After inspection, identify the hose inspected and found operative by applying a visible green "dot" on the base of all the verified banjos with a green Dykem mark & code pen ref. 84007 (or equivalent indelible green marking).

(c) Record the application of the service bulletin by writing down **SB 025-69-18** above the external identification marking of EFS.

(d) Accordingly complete the log-card of the equipment when the hose is installed on EFS by writing the date and the reference of the Service Bulletin.

Return to paragraph 1.D. / 2.D. / 3.B.2. / 3.B.4.a. / 3.B.4.b.

D. Re-identification

Not applicable.

E. Test

Not applicable.

F. Close-up

(1) Re-install the float supply hose on the equipment (applicable to in-service equipment)

(a) Refer to Component Maintenance Manual (CMM) for inflation assembly installation, float folding and flotation packing instructions.

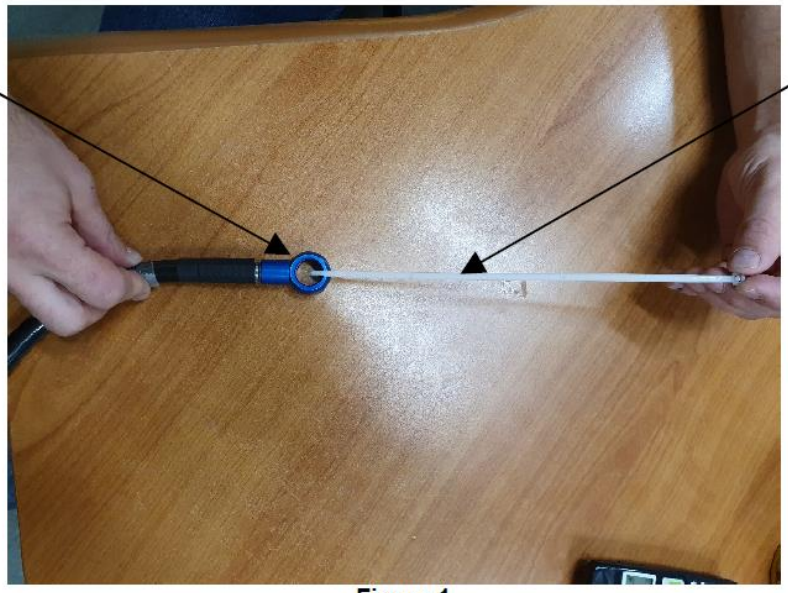
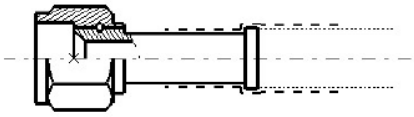
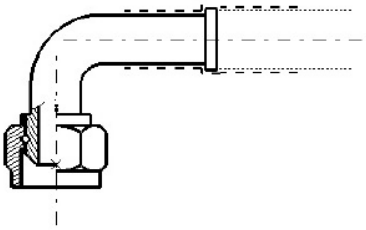


Figure 1

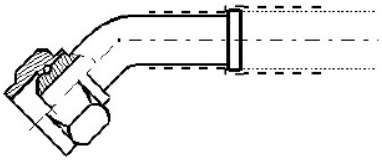
Figure 2



Straight fitting



90° fitting



135° fitting

Figure 3

APPENDIX

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
158519-4	159128-2	1808
158519-4	159128-2	2138
158519-4	159128-2	2240
158519-4	159128-2	2288
158519-4	159128-2	2289
158519-4	159128-2	2400
158519-4	159128-2	2832
158519-4	159128-2	2872
158519-4	159128-2	3002
158519-4	159128-2	3006
158519-4	159128-2	3049
158519-4	159128-2	3116
158519-4	159128-2	3205
158519-4	159128-2	3213
158950-4	159128-2	1762
158950-4	159128-2	1819
158950-4	159128-2	1847
158950-4	159128-2	1932
158950-4	159128-2	2014
158950-4	159128-2	2284
158950-4	159128-2	2401
158950-4	159128-2	2404
158950-4	159128-2	2607
158950-4	159128-2	2979
158950-4	159128-2	3003
158950-4	159128-2	3219
200737-0	200733-0	1850
200737-0	200733-0	1884
200737-0	200733-0	2034
200737-0	200733-0	2126
200737-0	200733-0	2250
200737-0	200733-0	2314
200737-0	200733-0	2932
200737-0	200733-0	3030
200737-0	200733-0	3040
200737-0	200733-0	3104

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
200737-0	200733-0	3166
200737-0	200733-0	3186
200738-0	200734-0	1841
200738-0	200734-0	2023
200738-0	200734-0	2243
200738-0	200734-0	2859
200738-0	200734-0	2925
200738-0	200734-0	3017
200738-0	200734-0	3021
200738-0	200734-0	3051
200738-0	200734-0	3075
200738-0	200734-0	3151
200738-0	200734-0	3153
200738-0	200734-0	3161
202401-3	204037-3	1400
202401-3	204037-3	1442
202401-3	204037-3	1443
202401-3	204037-3	1446
202401-3	204037-3	1481
202401-3	204037-3	1488
202401-3	204037-3	1546
202401-3	204037-3	1547
202401-3	204037-3	1549
202401-3	204037-3	1556
202401-3	204037-3	1581
202401-3	204037-3	1598
202401-3	204037-3	1713
202402-3	204038-3	1171
202402-3	204038-3	1430
202402-3	204038-3	1482
202402-3	204038-3	1566
202402-3	204038-3	1579
202402-3	204038-3	1645
214541-1	-	163
214541-1	-	208
214541-1	-	213
214541-1	-	331
214541-1	-	339

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
214541-1	-	389
214541-1	-	535
214541-1	-	553
214541-1	-	564
214541-1	-	588
214541-1	-	595
214541-1	-	603
214541-1	-	623
214541-1	-	687
214541-1	-	689
214541-1	-	691
214542-1	-	116
214542-1	-	195
214542-1	-	200
214542-1	-	232
214542-1	-	340
214542-1	-	372
214542-1	-	552
214542-1	-	555
214542-1	-	558
214542-1	-	588
214542-1	-	592
214542-1	-	644
214542-1	-	662
214542-1	-	673
214542-1	-	674
214542-1	-	675
214542-1	-	676
214542-1	-	677
214543-1	-	323
214543-1	-	395
214543-1	-	528
214543-1	-	568
214543-1	-	570
214543-1	-	587
214543-1	-	613
214543-1	-	665
214543-1	-	694

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
214543-1	-	695
214544-1	-	150
214544-1	-	226
214544-1	-	306
214544-1	-	320
214544-1	-	348
214544-1	-	545
214544-1	-	574
214544-1	-	590
214544-1	-	610
214544-1	-	623
214544-1	-	664
214544-1	-	670
214544-1	-	686
214544-1	-	687
214544-1	-	688
214544-1	-	689
214544-1	-	690
214544-1	-	691
215674-3	215481-0	86
215674-3	215481-0	181
215675-3	215482-0	184
216118-0	216064-0	87
216118-0	216064-0	119
216118-0	216064-0	233
216118-0	216064-0	264
216118-0	216064-0	344
216118-0	216064-0	381
216118-0	216064-0	388
216118-0	216064-0	397
216118-0	216064-0	412
216118-0	216064-0	430
216119-0	216167-0	69
216119-0	216167-0	330
216119-0	216167-0	339
216119-0	216167-0	391
216119-0	216167-0	394
216119-0	216167-0	403

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
216119-0	216167-0	420
216119-0	216167-0	429
216120-0	216166-0	157
216120-0	216166-0	163
216120-0	216166-0	167
216120-0	216166-0	170
216121-0	216280-0	161
216121-0	216280-0	171
216121-0	216280-0	175
216121-0	216280-0	179
216125-0	158820-3	1175
216126-0	158565-5	980
216127-0	158566-5	979
216694-1	216686-0	11
216694-1	216686-0	21
216694-1	216686-0	26
216694-1	216686-0	48
216694-1	216686-0	49
216694-1	216686-0	64
216694-1	216686-0	74
216694-1	216686-0	116
216694-1	216686-0	119
216694-1	216686-0	150
216694-1	216686-0	152
216694-1	216686-0	178
216694-1	216686-0	180
216694-1	216686-0	182
216694-1	216686-0	188
216694-1	216686-0	193
216694-1	216686-0	195
216694-1	216686-0	196
216694-1	216686-0	198
216694-1	216686-0	208
216694-1	216686-0	210
216694-1	216686-0	211
216694-1	216686-0	213
216694-1	216686-0	217
216694-1	216686-0	218

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
216694-1	216686-0	222
216694-1	216686-0	223
216694-1	216686-0	224
216694-1	216686-0	225
216694-1	216686-0	226
216694-1	216686-0	227
216695-1	216687-0	10
216695-1	216687-0	20
216695-1	216687-0	25
216695-1	216687-0	28
216695-1	216687-0	46
216695-1	216687-0	73
216695-1	216687-0	111
216695-1	216687-0	114
216695-1	216687-0	126
216695-1	216687-0	133
216695-1	216687-0	142
216695-1	216687-0	143
216695-1	216687-0	145
216695-1	216687-0	174
216695-1	216687-0	176
216695-1	216687-0	178
216695-1	216687-0	179
216695-1	216687-0	188
216695-1	216687-0	190
216695-1	216687-0	193
216695-1	216687-0	194
216695-1	216687-0	196
216695-1	216687-0	206
216695-1	216687-0	208
216695-1	216687-0	209
216695-1	216687-0	212
216695-1	216687-0	213
216695-1	216687-0	214
216695-1	216687-0	218
216695-1	216687-0	219
216695-1	216687-0	220
216695-1	216687-0	221

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
216695-1	216687-0	222
216695-1	216687-0	223
216696-0	216688-0	11
216696-0	216688-0	21
216696-0	216688-0	26
216696-0	216688-0	42
216696-0	216688-0	44
216696-0	216688-0	67
216696-0	216688-0	71
216696-0	216688-0	88
216696-0	216688-0	102
216696-0	216688-0	108
216696-0	216688-0	111
216696-0	216688-0	125
216696-0	216688-0	128
216696-0	216688-0	138
216696-0	216688-0	142
216696-0	216688-0	151
216696-0	216688-0	166
216696-0	216688-0	173
216696-0	216688-0	177
216696-0	216688-0	183
216696-0	216688-0	186
216696-0	216688-0	188
216696-0	216688-0	189
216696-0	216688-0	190
216696-0	216688-0	192
216696-0	216688-0	194
216696-0	216688-0	205
216696-0	216688-0	206
216696-0	216688-0	209
216696-0	216688-0	212
216696-0	216688-0	213
216696-0	216688-0	214
216696-0	216688-0	216
216696-0	216688-0	217
216696-0	216688-0	218
216696-0	216688-0	219

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
216696-0	216688-0	221
216787-0	216997-0	10
216787-0	216997-0	20
216787-0	216997-0	27
216787-0	216997-0	43
216787-0	216997-0	45
216787-0	216997-0	68
216787-0	216997-0	72
216787-0	216997-0	88
216787-0	216997-0	101
216787-0	216997-0	106
216787-0	216997-0	109
216787-0	216997-0	126
216787-0	216997-0	128
216787-0	216997-0	139
216787-0	216997-0	140
216787-0	216997-0	144
216787-0	216997-0	167
216787-0	216997-0	174
216787-0	216997-0	175
216787-0	216997-0	178
216787-0	216997-0	184
216787-0	216997-0	186
216787-0	216997-0	189
216787-0	216997-0	190
216787-0	216997-0	192
216787-0	216997-0	204
216787-0	216997-0	206
216787-0	216997-0	208
216787-0	216997-0	209
216787-0	216997-0	210
216787-0	216997-0	214
216787-0	216997-0	215
216787-0	216997-0	216
216787-0	216997-0	217
216787-0	216997-0	218
216787-0	216997-0	219
217227-0	217174-0	177

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
217227-1	217174-0	41
217227-1	217174-0	136
217227-1	217174-0	258
217227-1	217174-0	260
217227-1	217174-0	262
217227-1	217174-0	263
217227-1	217174-0	264
217227-1	217174-0	265
217227-1	217174-0	266
217227-1	217174-0	267
217227-1	217174-0	268
217227-1	217174-0	269
217227-1	217174-0	271
217227-1	217174-0	272
217227-1	217174-0	273
217227-1	217174-0	274
217227-1	217174-0	275
217227-1	217174-0	276
217228-0	217195-0	198
217228-1	217195-0	149
217228-1	217195-0	261
217228-1	217195-0	262
217228-1	217195-0	265
217228-1	217195-0	266
217228-1	217195-0	267
217228-1	217195-0	268
217228-1	217195-0	269
217228-1	217195-0	270
217228-1	217195-0	271
217228-1	217195-0	273
217228-1	217195-0	274
217228-1	217195-0	275
217228-1	217195-0	276
217228-1	217195-0	277
217228-1	217195-0	278
217596-0	217811-0	62
217596-0	217811-0	94
217596-0	217811-0	121

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
217596-0	217811-0	124
217596-0	217811-0	125
217596-0	217811-0	131
217596-0	217811-0	133
217596-0	217811-0	197
217597-0	217812-0	62
217597-0	217812-0	96
217597-0	217812-0	122
217597-0	217812-0	125
217597-0	217812-0	132
217597-0	217812-0	134
217597-0	217812-0	159
217597-0	217812-0	186
217597-0	217812-0	215
217598-0	217813-0	62
217598-0	217813-0	94
217598-0	217813-0	119
217598-0	217813-0	122
217598-0	217813-0	124
217598-0	217813-0	129
217598-0	217813-0	131
217598-0	217813-0	188
217599-0	217814-0	62
217599-0	217814-0	94
217599-0	217814-0	120
217599-0	217814-0	123
217599-0	217814-0	125
217599-0	217814-0	132
217599-0	217814-0	149
217599-0	217814-0	188
218094-0	218098-0	87
218094-0	218098-0	92
218095-0	218099-0	90
218095-0	218099-0	92
218095-0	218099-0	113
219432-0	219413-0	104
219432-0	219465-0	114
219446-0	218098-0	238

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
220679-0	-	10
220679-1	-	26
220679-1	-	69
220679-1	-	71
220679-1	-	101
220679-1	-	103
220679-1	-	110
220679-1	-	111
220679-1	-	118
220679-1	-	120
220679-1	-	121
220679-1	-	122
220679-1	-	123
220679-1	-	124
220679-1	-	125
220679-1	-	126
220679-1	-	128
220679-1	-	129
220680-1	-	50
220680-1	-	78
220680-1	-	80
220680-1	-	111
220680-1	-	113
220680-1	-	115
220680-1	-	116
220680-1	-	119
220680-1	-	120
220680-1	-	121
220680-1	-	122
220680-1	-	123
220680-1	-	124
220680-1	-	125
220680-1	-	126
220680-1	-	127
220680-1	-	128
220681-0	-	62
220681-1	-	18
220681-1	-	27

SAO EFS P/N	RELATED FLOAT P/N	S/N OF SAO EFS VERIFIED BY SAFRAN AEROSYSTEMS SERVICES
220681-1	-	80
220681-1	-	102
220681-1	-	108
220681-1	-	115
220681-1	-	116
220681-1	-	117
220681-1	-	118
220681-1	-	119
220681-1	-	120
220681-1	-	121
220681-1	-	122
220682-0	-	61
220682-1	-	18
220682-1	-	80
220682-1	-	102
220682-1	-	107
220682-1	-	108
220682-1	-	118
220682-1	-	120
220682-1	-	121
220682-1	-	122
220682-1	-	123
220682-1	-	124
220682-1	-	125
220682-1	-	126
220682-1	-	128
220682-1	-	129
222826-0	212597-2	421