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AgustaWestland Products

SERVICE BULLETIN

N° 189-265

ALERT

DATE: March 4, 2021

REV. : /

TITLE

ATA 33 – MR TIP LIGHTS FAIRING RETROMOD

REVISION LOG

First Issue

1. PLANNING INFORMATION

A. EFFECTIVITY

Part I

AW189 equipped with MR tip lights kit P/N 8G3340F00411 and:

- FIPS kit P/N 8G3000F00111

or

- LIPS kit P/N 8G3000F00211 or P/N 8G3000F00212

not already compliant with Part II of this SB.

Part II

AW189 helicopters equipped with MR tip lights kit P/N 8G3340F00411 and:

- FIPS kit P/N 8G3000F00111

or

- LIPS kit P/N 8G3000F00211 or P/N 8G3000F00212.

NOTE

The installation of the fairings P/N 8G3340A12531 and P/N 8G3340A12631 (parts of the MR tip lights kit P/N 8G3340F00411) present at stock is prohibited from the date of issuance of this Service Bulletin.

B. COMPLIANCE

NOTE

The installation mandated in Part I shall not be removed, while flying in known icing conditions, until Part II is accomplished.

Part I

Before the next flight in icing condition from the receipt of this Service Bulletin.

Part II:

Within 400 FH or 1 year whichever occurs first from receipt of this Service Bulletin.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued to require the Rescue Hoist Kit to be present during all the flights in known icing conditions for the helicopters installing the MR tip lights kit P/N 8G3340F00411 until this kit is modified through the installation of MR tip light fairing retromod P/N 8G3340P02411.

E. DESCRIPTION

A potential issue has been discovered affecting the LH and RH fairings P/N 8G3340A12531 and P/N 8G3340A12631 (parts of the MR tip lights kit P/N 8G3340F00411) in case they are installed during flights in icing conditions. The following investigation identified the installation of the hoist equipment as a mandatory mitigating action to fly in icing condition until the fairings are replaced with a new design. To address this potentially unsafe condition, LHD issue this Service Bulletin to require to check that the hoist equipment is always installed before every flight in known icing condition, on all the helicopters equipped with MR tip lights kit P/N 8G3340F00411 and either FIPS or LIPS kits (Part I), until the installation of the retromod P/N 8G3340P02411 (Part II).

The retromod introduces three new fairings to replace the FWD, RH and LH fairings of the MR tip lights Kit P/N 8G3340F00411. The installation of three bonding strips is required to complete the MR tip light fairing retromod. After installation of this retromod, the MR tip lights installation can be considered equivalent to MR tip lights kit P/N 8G3340F02111 that is applicable to helicopters equipped with FIPS of LIPS kit.

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 the following Maintenance-Man-Hours (MMH) are deemed necessary:

Part I: approximately two (2) MMH

Part II: approximately forty (40) MMH

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

H. WEIGHT AND BALANCE

PART I

Refer to the applicable AW189 helicopter Chart A - Equipment list already provided and referenced to in the AW189 RFM, Section 6.

PART II

Rotor tip light equipment installation P/N 8G3340A02811

WEIGHT (Kg)	2.267	
	ARM (mm)	**MOMENT (Kgmm)**
LONGITUDINAL BALANCE	3857.9	8747.5
LATERAL BALANCE	-69.7	-158.0

Rotor tip light for IPS complete provision P/N 8G3340A06511

WEIGHT (Kg)	1.714	
	ARM (mm)	**MOMENT (Kgmm)**
LONGITUDINAL BALANCE	3881.6	6653.1
LATERAL BALANCE	-74.0	-126.9

I. REFERENCES

1) PUBLICATIONS

DATA MODULE		**DESCRIPTION**	**PART**
DM01	89-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance	I, II
DM02	89-A-16-11-00-05A-028A-A	Role change procedures - Double rescue hoist system kit - General	I
DM03	89-A-33-61-01-00A-520A-A	Forward light - Remove procedure	II

DATA MODULE		DESCRIPTION	PART
DM04	89-A-33-61-01-00A-720A-A	Forward light - Install procedure	II
DM05	89-A-33-61-02-00A-520A-A	Forward light fairing - Remove procedure	II
DM06	89-A-33-61-05-00A-520A-A	Right light - Remove procedure	II
DM07	89-A-33-61-05-00A-720A-A	Right light - Install procedure	II
DM08	89-A-33-61-06-00A-520A-A	Right light fairing - Remove procedure	II
DM09	89-A-33-61-03-00A-520A-A	Left light - Remove procedure	II
DM10	89-A-33-61-03-00A-720A-A	Left light - Install procedure	II
DM11	89-A-33-61-04-00A-520A-A	Left light fairing - Remove procedure	II
DM12	CSRP-A-51-22-02-00A-258A-D	Preparation of composite bonding surfaces - Other procedure to clean	II
DM13	CSRP-A-51-22-01-00A-258A-D	Preparation of metallic bonding surfaces - Other procedure to clean	II
DM14	CSRP-A-51-21-02-02A-257A-D	Waterborne chromate free primer (AWMS28-002) - Paint and apply marking	II
DM15	CSRP-A-51-21-01-02A-257A-D	Polyurethane paint (MIL-PRF-85285) - Paint and apply marking	II
DM16	CSRP-A-51-21-06-00A-644A-D	Chromate conversion treatments of alluminium alloys - Chromate	II
DM17	89-A-20-00-04-00A-921A-A	Gasket tape - Replacement (remove and install a new item)	II
DM18	89-A-20-00-07-00A-921A-A	Conductive gasket tape - Replacement (remove and install a new item)	II
DM19	CSRP-A-51-43-02-00A-921A-D	Adhesive bonded anchor nuts - Replacement (remove and install a new item)	II

2) ACRONYMS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
CSRP	Common Structural Repair Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency

FH	Flight Hours
FWD	Forward
IPD	Illustrated Part Data
LH	Left Hand
LHD	Leonardo Helicopters Division
MMH	Maintenance-Man-Hours
MR	Main Rotor
RH	Right Hand

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

AW189 Aircraft Maintenance Publication (AMP)

AW189 Illustrated Part Data (IPD)

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

PART I

N.A.

PART II

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	**8G3340P02411**		**MAIN ROTOR ILLUMTN LIGHTS RETRO MOD**	**REF**	**.**		
2	8G3340A12432		Fairing assy FWD	1	..		189-265L1
3	8G3340A12532		Fairing assy LHS	1	..		189-265L1
4	8G3340A12632		Fairing assy RHS	1	..		189-265L1
5	8G3340A29951	8G3340A29951A	Bonding strip	1	..		189-265L1
6	8G3340A07651	8G3340A07651A	Bonding strip	2	..		189-265L1
7	A297A05TW03		Rivet	8	..		189-265L1
8	A297A05TW04		Rivet	2	..		189-265L1
9	A407A3C2	A407A3C2P	Anchor nut	14	..		189-265L1
10	AN525-10R16		Screw	4	..		189-265L1
11	MS27039-1-05		Screw	6	..		189-265L1
12	MS27039-1-09		Screw	28	..		189-265L1
13	MS27039-1-10		Screw	4	..		189-265L1
14	NAS1149D0316K		Washer	38	..		189-265L1

2) CONSUMABLES

The following consumable materials, or equivalent, are necessary to accomplish this Service Bulletin:

#	Spec./LHD code number	DESCRIPTION	Q.TY	NOTE	PART
15	Commercial	Sealant PR1764 Class B2 (C240)	AR	(1)	II
16	Commercial	Sealant 2200	AR	(1)(2)	II
17	AWMS05-001, Type I, Class B, Grade 2 Code No. 999999999000005965 or 999999999000015245	Sealing compound MC 780 B-2 (C465)	AR	(1)	II
18	Commercial	Paint	AR	(1)	II
19	DTD 900AA/4488A	Corrosion preventive compound JC5A (C001)	AR	(1)	II
20	WHPS083 Type A Code No. 999999999000017311	Corrosion preventive compound Cor-Ban 27L (C075)	AR	(1)(3)	II
21	TT-I-735, Grade A	Isopropyl alcohol (C039)	AR	(1)	II
22	Commercial	Lint-free cloth	AR	(1)	II
23	Commercial	Sealant Thixoflex Gray	AR	(1)	II
24	AWMS28-002, Type I, Class 1, Grade A or B	Epoxy primer (C596)	AR	(1)	II
25	MIL-DTL-81706, Class 1A & 3, Form II	Conversion coating Alodine 1200 (C237)	AR	(1)	II
26	199-05-002 Type I Class 2 Code No. 900000581	Adhesive EA9309.3NA (C021)	AR	(1)	II

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

3) LOGISTIC MATRIX

In order to apply this Service Bulletin, the following Logistic P/N can be ordered in accordance with the applicable notes:

LOGISTIC P/N	Q.TY (PER HELO)	NOTE	PART
189-265L1	1	-	II

NOTE

(1) Item to be procured as local supply.

(2) May be used as alternative to Sealant PR1764 Class B2 (C240).

(3) May be used as alternative to Corrosion preventive compound JC5A (C001).

B. SPECIAL TOOLS

N.A.

C. INDUSTRY SUPPORT INFORMATION

WARRANTY: Owners/Operators who comply with the instructions of this Service Bulletin no later than the applicable date in the “Compliance” section will be eligible to receive required materials on free of charge basis, except for Consumable Materials and Special Tools.

NOTE: Customers who fail to comply with the instructions in this Service Bulletin before the compliance date are not eligible for the aforementioned special policy.

Please Issue relevant MMIR form to your Warranty Administration Dpt.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

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) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.

c) After drilling, remove all swarf and sharp edges. Apply on bare metal a light film of primer unless the hole is used for ground connection.

d) Protect properly all those equipment not removed from area affected by the modification during installation procedure.

e) Let the adhesive cure at room temperature for at least 24 hours, unless otherwise specified.

f) All lengths are in mm.

PART I

1. In accordance with AMP DM 89-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. Make sure that the helicopter is equipped with the removable parts P/N 8G2591A08311 of the rescue hoist kit P/N 8G2591F00311. If the helicopter is equipped with this kit, skip to Step 4.
3. In accordance with AMP DM 89-A-16-11-00-05A-028A-A, install the rescue hoist kit P/N 8G2591F00311.
4. Return the helicopter to flight configuration and record for compliance with Part I of this Service Bulletin on the helicopter logbook.
5. Send the attached compliance form to the following mail box:

   engineering.support.lhd@leonardocompany.com

   As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

PART II

1. In accordance with AMP DM 89-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. With reference to Figures 1 thru 4, perform the installation of the “main rotor illumination light retromod” P/N 8G3340P02411 as described in the following procedure:

CAUTION

Be careful when you pull the light P/N LFD/286/001. If you are not careful you can cause damage to the electrical cable.

2.1 In accordance with AMP DM 89-A-33-61-01-00A-520A-A and with reference to Figure 1 Detail A, remove the forward MR tip light P/N LFD/286/001 from the fairing assy FWD P/N 8G3340A12431.

2.2 In accordance with AMP DM 89-A-33-61-02-00A-520A-A and with reference to Figure 1 Detail A, remove the fairing assy FWD P/N 8G3340A12431 from the LH canopy panel. Retain existing hardware for later reuse.

NOTE

The following Steps 2.3 and 2.4 are not applicable to helicopters already compliant with SB 189-126.

CAUTION

Take care not to damage the composite canopy or aluminium upper deck roof panel.

2.3 With reference to Figure 1 Detail A, remove the existing copper bonding strip P/N 8G3340A13151 and n°2 rivets P/N A297A05 from the LH canopy panel and the upper deck roof panel.

2.4 With reference to Figure 1, install the bonding strip P/N 8G3340A29951 on the LH canopy panel and the upper deck roof panel as described in the following procedure:

2.4.1 With reference to Figure 1 Schematic Detail A, temporarily locate the bonding strip P/N 8G3340A29951 on the structure; countermark the edges on the LH canopy panel and the upper deck roof panel.

CAUTION

Ensure the all surfaces and holes are free from residue of previously applied adhesive and paint.

2.4.2 In accordance with CSRP DM CSRP-A-51-22-02-00A-258A-D and with reference to Figure 1 Schematic Detail A, prepare the indicated area on the LH canopy panel surface for bonding.

2.4.3 In accordance with CSRP DM CSRP-A-51-22-01-00A-258A-D and with reference to Figure 1 Schematic Detail A, prepare the indicated area on the upper deck roof panel for bonding.

2.4.4 With reference to Figure 1 Detail A, install the bonding strip P/N 8G3340A29951 to the LH canopy panel by means of adhesive EA9309NA (C021) and to the upper deck roof panel by means of conductive sealant PR1764 B2 (C240).

NOTE

Prior to re-installing fasteners to be used as electrical bonding contact points, ensure that internal bore of the hole is free from paint, varnish and grease.

NOTE

Dip the rivets in the conductive sealant PR1764 B2 (C240) before installation.

2.4.5 With reference to Figure 1 Detail A, install n°2 rivets P/N A297A05TW04 to the bonding strip P/N 8G3340A29951 and the structure.

2.4.6 In accordance with CSRP DM CSRP-A-51-21-02-02A-257A-D and with reference to Figure 1 Detail A, apply the epoxy primer (C596) on the LH canopy panel around the bonding strip P/N 8G3340A29951, where exposed surfaces remain.

NOTE

Ensure to apply sealant within the gap between upper deck roof panel and the LH canopy panel.

2.4.7 With reference to Figure 1 Detail A, apply the sealant MC 780 B-2 (C465) all around the bonding strip P/N 8G3340A29951.

2.4.8 In accordance with CSRP DM CSRP-A-51-21-01-02A-257A-D and with reference to Figure 1 Detail A, apply two coats of Polyurethane paint on the bonding strip P/N 8G3340A29951 in accordance with the helicopter paint scheme.

2.5 With reference to Figures 1 and 4, install the fairing assy FWD P/N 8G3340A12432 on the LH canopy panel as described in the following procedure:

2.5.1 With reference to Figure 1 Schematic Detail A, temporarily locate the fairing assy P/N 8G3340A12432 FWD on the structure, countermark the edges on the bonding strip P/N 8G3340A29951 and the LH canopy panel.

2.5.2 With reference to Figure 1 Schematic Detail A, prepare the indicated area on the bonding strip P/N 8G3340A29951 for good electrical bonding.

2.5.3 In accordance with CSRP DM CSRP-A-51-21-06-00A-644A-D and with reference to Figure 1 Schematic Detail A, protect the indicated area on the bonding strip P/N 8G3340A29951 by means of conversion coating (C597).

NOTE

HT3000 sealant tape must not be torn or damaged and must not have excessive squeeze out of the gel layer which is sandwiched between the self-adhesive side and the top layer of the tape. If excessive squeeze out has occurred then there will no longer be any compression in the tape when squeezing in between your fingers.

2.5.4 In accordance with applicable steps of AMP DM 89-A-20-00-04-00A-921A-A and with reference to Figure 4 View C, install HT3000 sealant tape on the fairing assy FWD P/N 8G3340A12432.

2.5.5 In accordance with applicable steps of AMP DM 89-A-20-00-07-00A-921A-A and with reference to Figure 4, install the conductive gasket P/N AW001GH on the fairing assy FWD P/N 8G3340A12432.

NOTE

Surfaces that will come into contact with the sealing tape shall be free of paint, dust, oil, grease, fingerprints and other contaminations prior to installation. The surfaces shall be wiped with a clean, solvent dampened cloth using isopropyl alcohol (C039) or MEK (C005), followed immediately by wiping with a clean dry cloth (C011). Residue of previously applied adhesives, sealants, or fillet sealing materials shall be removed.

NOTE

Wet install all fairing fasteners using compound JC5A (C001) or compound Cor-Ban 27L (C075), ensuring to apply the sealant on the fastener shank and underneath the fastener head.

2.5.6 With reference to Figure 1 Detail A, install the fairing assy FWD P/N 8G3340A12432 on the LH canopy panel by means of n°4 screws P/N AN525-10R16, n°6 screws P/N MS27039-1-05, n°4 screws P/N MS27039-1-10 and n°10 washers P/N NAS1149D0316K.

2.5.7 With reference to Figure 1 Detail A, seal the fairing assy FWD P/N 8G3340A12432 all around by means of sealant Thixoflex Gray or sealant (C617).

2.6 With reference to Figure 1 Detail A, perform the electrical bonding test between the fairing assy FWD P/N 8G3340A12432 (point 1) and the upper deck roof panel (point 2) using a multimeter. Make sure that the bonding value is less than 2.5 mΩ.

2.7 In accordance with AMP DM 89-A-33-61-01-00A-720A-A and with reference to Figure 1 Detail A install the forward MR tip light P/N LFD/286/001 on the fairing assy FWD P/N 8G3340A12432.

CAUTION

Be careful when you pull the light P/N LFD/286/001. If you are not careful you can cause damage to the electrical cable.

2.8 In accordance with AMP DM 89-A-33-61-03-00A-520A-A and with reference to Figure 2 Detail B Was, remove the LH MR tip light P/N LFD/286/001 from the fairing assy LH P/N 8G3340A12531.

2.9 In accordance with AMP DM 89-A-33-61-02-00A-520A-A and with reference to Figure 2 Detail B Was, remove the fairing assy LH P/N 8G3340A12531 from the LH sidewall panel and the existing hardware.

CAUTION

Take care not to damage the composite sidewall or aluminium upper deck roof panel.

2.10 With reference to Figure 2 Detail B Was, remove the existing copper bonding strip P/N 8G3340A13251 and n°4 existing rivets from the LH sidewall panel and the upper deck roof panel.

2.11 With reference to Figures 2 thru 3, install the bonding strip P/N 8G3340A07651 on the LH sidewall panel and the upper deck roof panel as described in the following procedure:

2.11.1 With reference to Figure 2 Schematic Detail B, temporarily locate the bonding strip P/N 8G3340A07651 on the structure; countermark the edges on the LH sidewall panel and the upper deck roof panel.

CAUTION

Ensure the all surfaces and holes are free from residue of previously applied adhesive and paint.

2.11.2 In accordance with CSRP DM CSRP-A-51-22-02-00A-258A-D and with reference to Figure 2 Schematic Detail B, prepare the indicated area on the LH sidewall panel for bonding.

2.11.3 In accordance with CSRP DM CSRP-A-51-22-01-00A-258A-D and with reference to Figure 2 Schematic Detail B, prepare the indicated area on the upper deck roof panel for bonding.

2.11.4 With reference to Figure 3 Detail B Becomes, install the bonding strip P/N 8G3340A07651 to the LH sidewall panel by means of adhesive EA9309NA (C021) and to the upper deck roof panel by means of conductive sealant PR1764 B2 (C240).

NOTE

Prior to re-installing fasteners to be used as electrical bonding contact points, ensure that internal bore of the hole is free from paint, varnish and grease.

NOTE

Dip the rivets in the sealant PR1764 B2 (C240) before installation.

2.11.5 With reference to Figure 3 Detail B Becomes, install n°2 rivets P/N A297A05TW03 to the bonding strip P/N 8G3340A07651 and the structure.

2.11.6 With reference to Figure 3 Detail B Becomes, install n° 2 rivets P/N A297A05TW03 on the LH sidewall panel and upper deck roof panel.

2.11.7 In accordance with CSRP DM CSRP-A-51-21-02-02A-257A-D and with reference to Figure 3 Detail B Becomes, apply the epoxy primer (C596) on the LH sidewall panel around the bonding strip P/N 8G3340A07651 where exposed surfaces remain.

NOTE

Ensure to apply sealant within the gap between upper deck roof panel and the sidewall panel.

2.11.8 With reference to 3 Detail B Becomes, apply the sealant (C465) all around the bonding strip P/N 8G3340A07651.

2.11.9 In accordance with CSRP DM CSRP-A-51-21-01-02A-257A-D and with reference to Figure 3 Detail B Becomes, apply two coats of Polyurethane paint on the bonding strip P/N 8G3340A07651 in accordance with helicopter paint scheme.

2.12 With reference to Figures 3 thru 4, install the fairing assy LH P/N 8G3340A12532 on the LH sidewall panel as described in the following procedure:

2.12.1 With reference to Figure 2 Schematic Detail B, temporarily locate the fairing assy LH P/N 8G3340A12532 on the structure, countermark the edges on the bonding strip P/N 8G3340A07651 and the edges and the holes on the LH sidewall panel.

2.12.2 In accordance with applicable steps of CSRP DM CSRP-A-51-43-02-00A-921A-D and with reference to Figure 3 Detail B Becomes, drill n°7 holes Ø6.20÷6.35 thru the LH sidewall panel.

2.12.3 In accordance with applicable steps of CSRP DM CSRP-A-51-43-02-00A-921A-D and with reference to Figure 3 Detail B Internal View, install n°7 anchor nut P/N A407A3C2 on the LH sidewall panel by means of Adhesive EA9309.3NA (C021).

2.12.4 With reference to Figure 2 Schematic Detail B, prepare the indicated area on the bonding strip P/N 8G3340A07651 for good electrical bonding.

2.12.5 In accordance with CSRP DM CSRP-A-51-21-06-00A-644A-D and with reference to Figure 2 Schematic Detail B, protect the indicated area on the bonding strip P/N 8G3340A07651 by means of Chemical conversion coating (C597).

NOTE

HT3000 sealant tape must not be torn or damaged and must not have excessive squeeze out of the gel layer which is sandwiched between the self-adhesive side and the top layer of the tape. If excessive squeeze out has occurred then there will no longer be any compression in the tape when squeezing in between your fingers.

2.12.6 In accordance with applicable steps of AMP DM 89-A-20-00-04-00A-921A-A and with reference to Figure 4 View D, install HT3000 sealant tape on the fairing assy LH P/N 8G3340A12532.

2.12.7 In accordance with applicable steps of AMP DM 89-A-20-00-07-00A-921A-A and with reference to Figure 4 View D, replace the conductive gasket P/N AW001GH on the fairing assy LH P/N 8G3340A12532.

NOTE

Surfaces that will come into contact with the sealing tape shall be free of paint, dust, oil, grease, fingerprints and other contaminations prior to installation. The surfaces shall be wiped with a clean, solvent dampened cloth using isopropyl alcohol (C039) or mek (C005), followed immediately by wiping with a clean dry cloth (C011). Residue of previously applied adhesives, sealants, or fillet sealing materials shall be removed.

NOTE

Wet install all fairing fasteners using compound JC5A (C001) or compound Cor-Ban 27L (C075), ensuring to apply the sealant on the fastener shank and underneath the fastener head.

2.12.8 With reference to Figure 3 Detail B Becomes, install the fairing assy P/N 8G3340A12532 on the LH sidewall panel by means of n°14 screws P/N MS27039-1-09 and n°14 washers P/N NAS1149D0316K.

2.12.9 With reference to Figure 3 Detail B Becomes, seal the fairing assy LH P/N 8G3340A12532 all around by means of sealant Thixoflex Gray or sealant (C617).

2.13 With reference to Figure 3 Detail B Becomes, perform the electrical bonding test between the fairing assy LH P/N 8G3340A12532 (point 3) and the upper deck roof panel (point 4) using a multimeter. Make sure that the bonding value is less than 2.5 mΩ.

2.14 In accordance with AMP DM 89-A-33-61-03-00A-720A-A and with reference to Figure 3 detail B Becomes, install the LH MR tip light P/N LFD/286/001 on the fairing assy LH P/N 8G3340A12532.

CAUTION

Be careful when you pull the light P/N LFD/286/001. If you are not careful you can cause damage to the electrical cable.

2.15 In accordance with AMP DM 89-A-33-61-05-00A-520A-A and with reference to Figure 2 Detail B Was, remove the RH MR tip light P/N LFD/286/001 from the fairing assy RH P/N 8G3340A12631.

2.16 In accordance with AMP DM 89-A-33-61-06-00A-520A-A and with reference to Figure 2 Detail B Was, remove the fairing assy RH P/N 8G3340A12631 from the RH sidewall panel and the existing hardware.

CAUTION

Take care not to damage the composite sidewall or aluminium upper deck roof panel.

2.17 With reference to Figure 2 Detail B Was, remove the existing copper bonding strip P/N 8G3340A13251F002 and n°4 existing rivets from the RH sidewall panel and the upper deck roof panel.

2.18 With reference to Figures 2, repeat steps 2.11.1 thru 2.11.9 to install the bonding strip P/N 8G3340A07651 on the RH sidewall panel and the upper deck roof panel.

2.19 With reference to Figures 3 thru 4, repeat steps 2.12.1 thru 2.12.9 to install the fairing assy RH P/N 8G3340A12632 on the RH sidewall panel.

2.20 With reference to Figures 3 Detail B Becomes, repeat the step 2.13 to perform the bonding test between the fairing assy RH P/N 8G3340A12632 and the upper deck roof panel.

2.21 In accordance with AMP DM 89-A-33-61-05-00A-720A-A, install the right MR tip light P/N LFD/286/001 on the fairing assy RH P/N 8G3340A12632.

3. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6). Mark new MR tip lights kit P/N 8G3340F02111 and remove existing entry for MR tip lights kit P/N 8G3340F00411.
4. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
5. Send the attached compliance form to the following mail box:

   engineering.support.lhd@leonardocompany.com

   As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

MAIN ROTOR ILLUMINATION LIGHTS RETROMOD 8G3340P02411

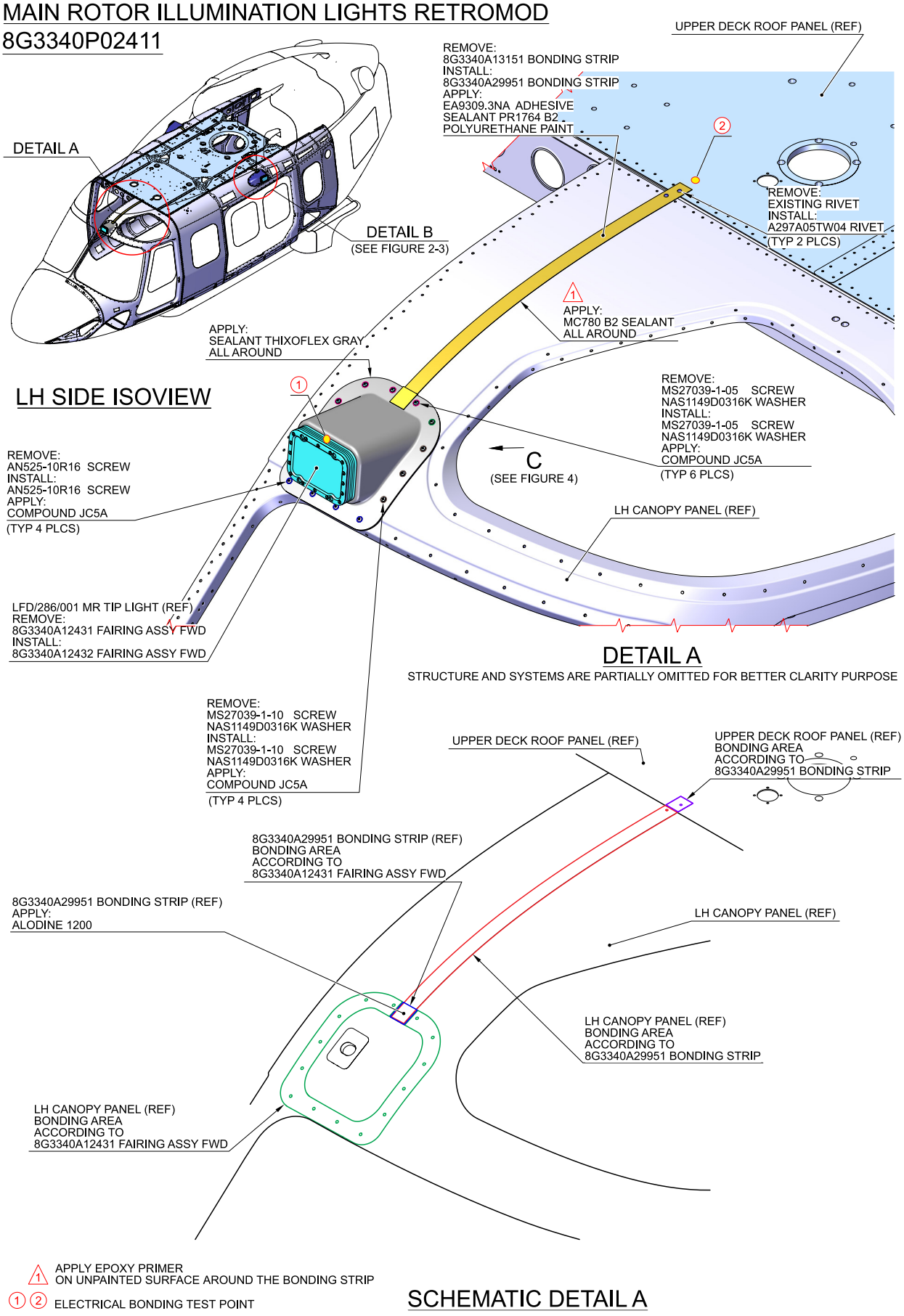
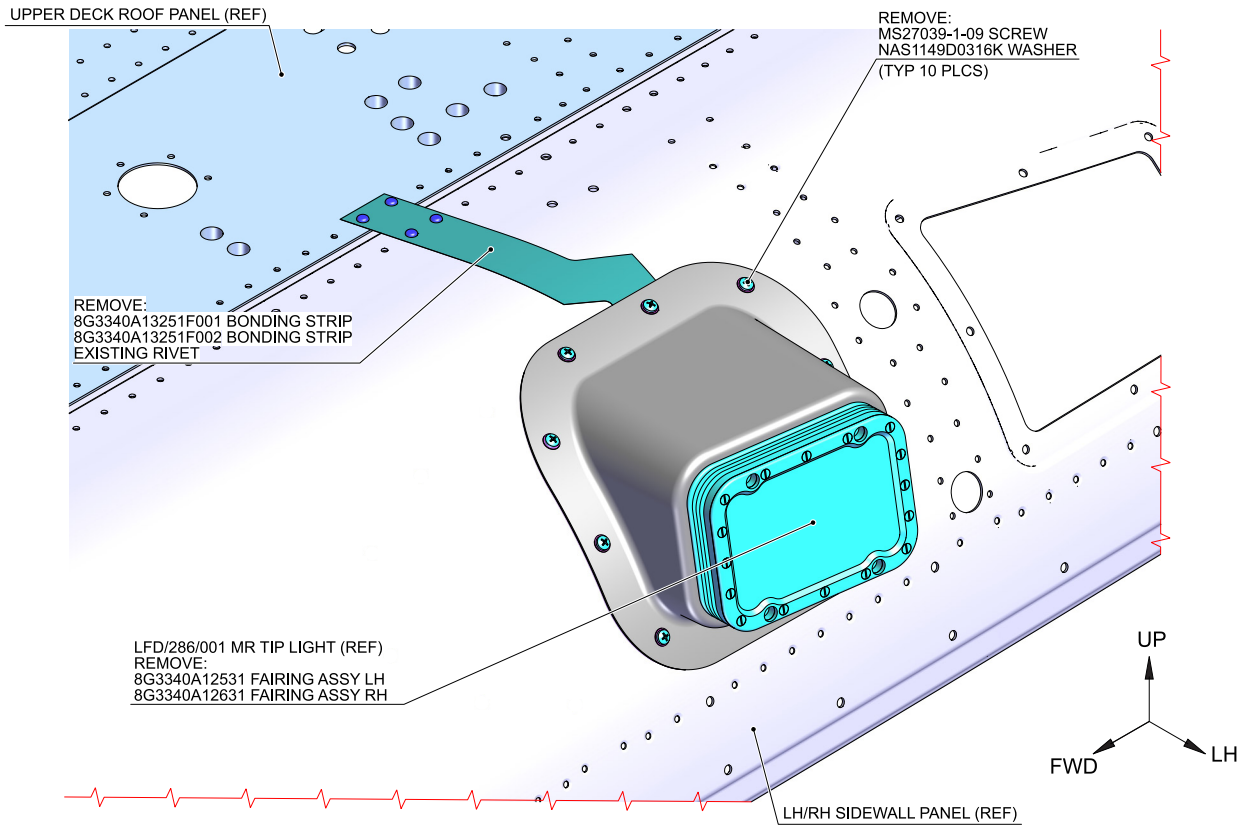
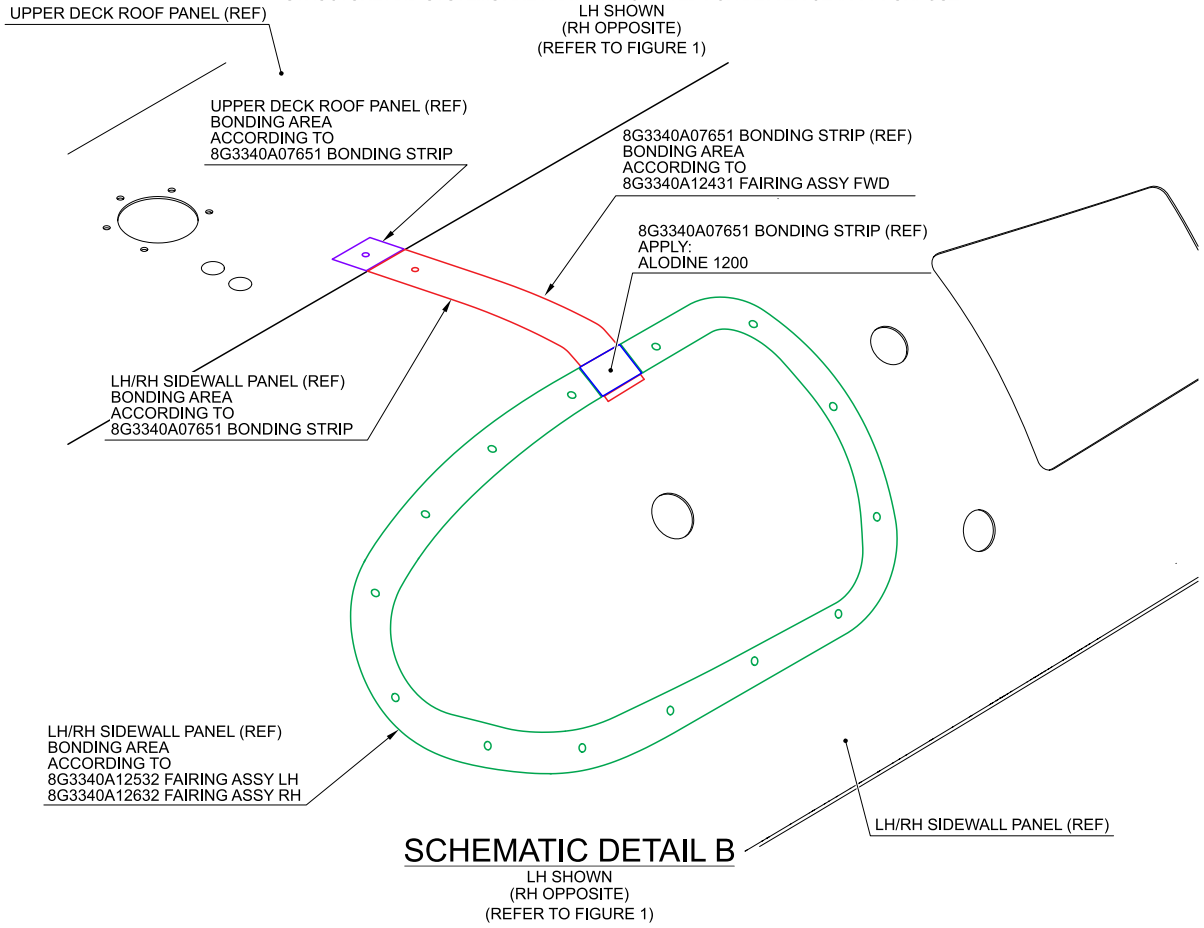


Figure 1



DETAIL B WAS

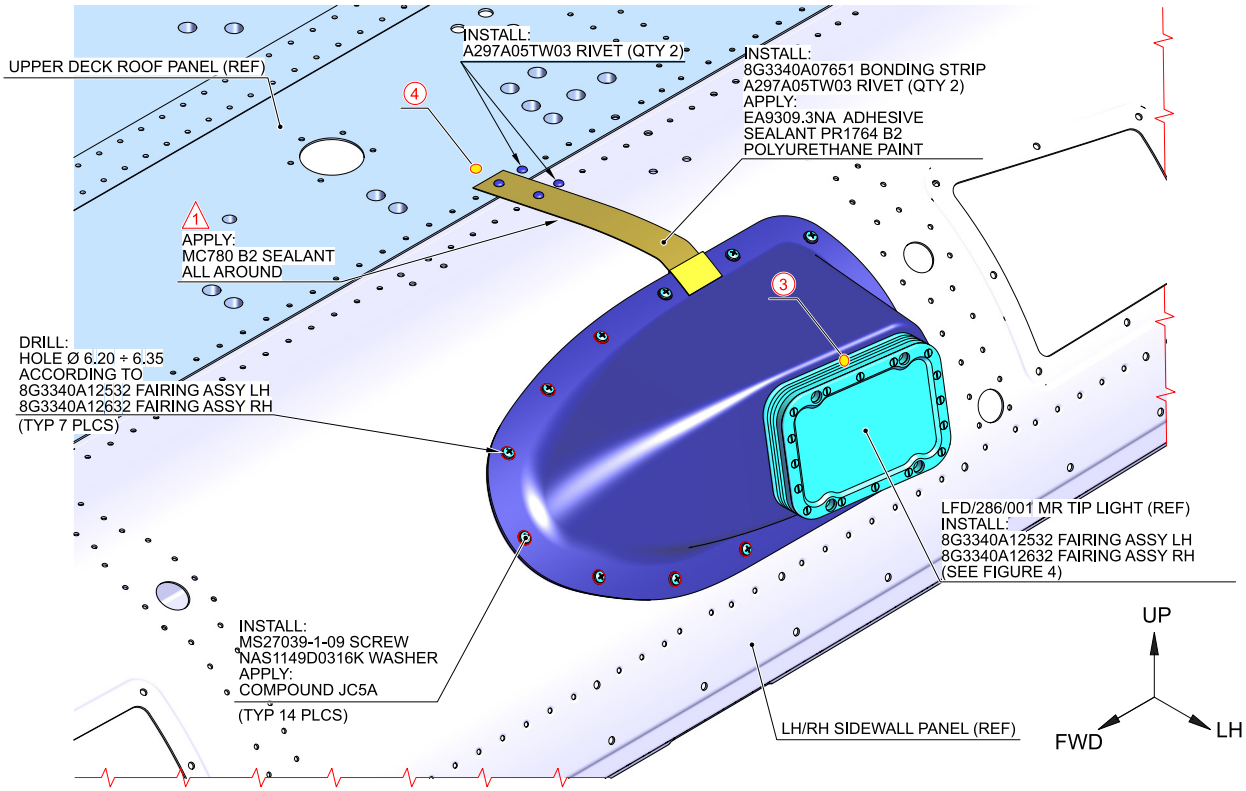
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
LH SHOWN
(RH OPPOSITE)
(REFER TO FIGURE 1)



SCHEMATIC DETAIL B

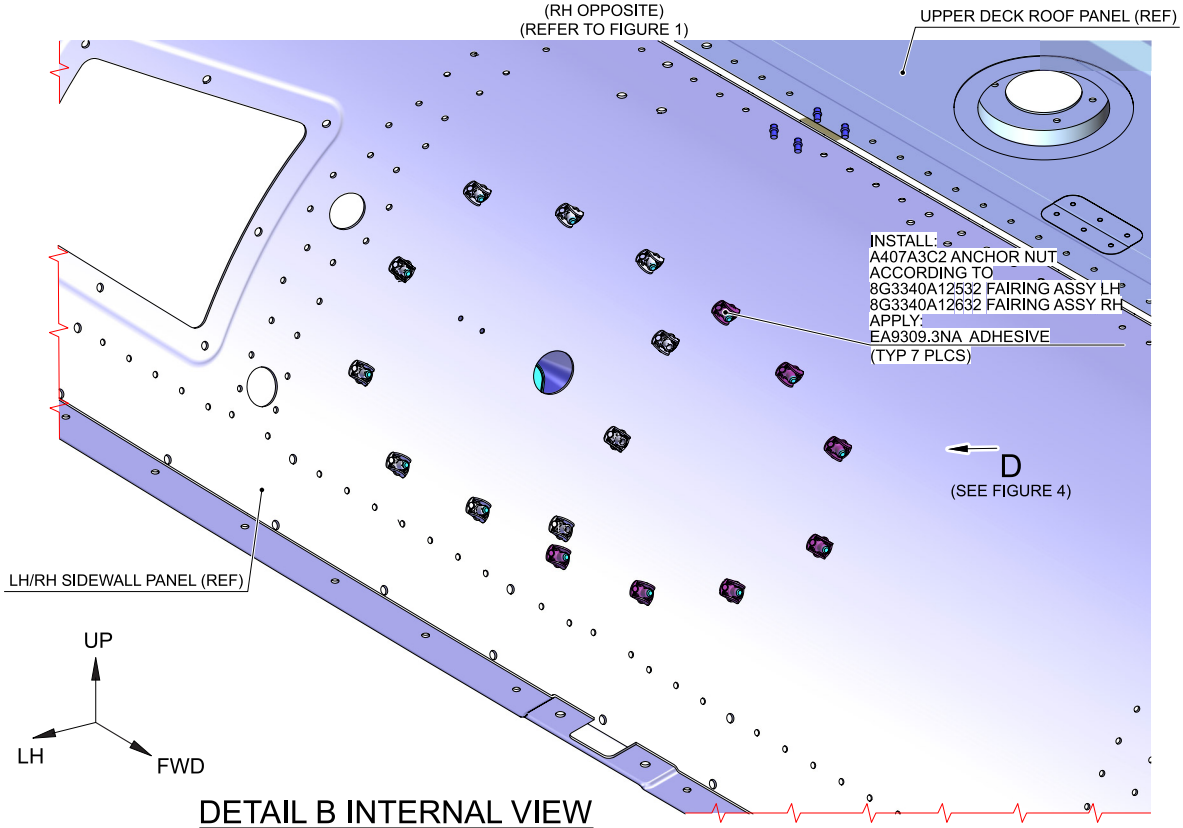
LH SHOWN
(RH OPPOSITE)
(REFER TO FIGURE 1)

Figure 2



DETAIL B BECOMES

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
LH SHOWN
(RH OPPOSITE)
(REFER TO FIGURE 1)



DETAIL B INTERNAL VIEW

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
LH SHOWN
(RH OPPOSITE)
(REFER TO FIGURE 1)

1 APPLY EPOXY PRIMER ON UNPAINTED SURFACE AROUND THE BONDING STRIP

3 4 ELECTRICAL BONDING TEST POINT LH SHOWN (RH OPPOSITE)

Figure 3

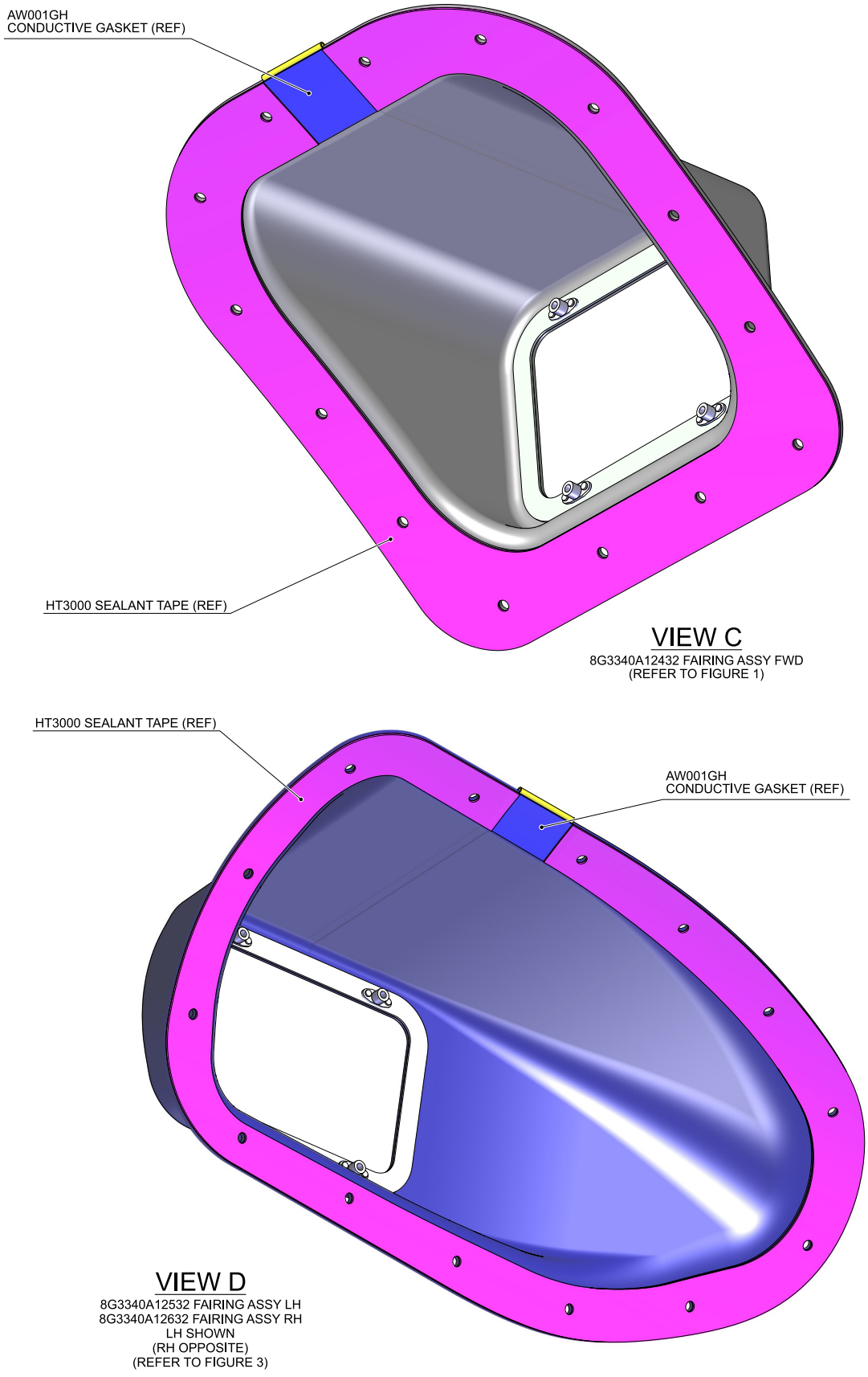

AW001GH
CONDUCTIVE GASKET (REF)
HT3000 SEALANT TAPE (REF)
VIEW C
8G3340A12432 FAIRING ASSY FWD
(REFER TO FIGURE 1)
HT3000 SEALANT TAPE (REF)
AW001GH
CONDUCTIVE GASKET (REF)
VIEW D
8G3340A12532 FAIRING ASSY LH
8G3340A12632 FAIRING ASSY RH
LH SHOWN
(RH OPPOSITE)
(REFER TO FIGURE 3)

Figure 4

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AgustaWestland Products

Please send to the following address: **LEONARDO S.p.A.** **CUSTOMER SUPPORT & SERVICES - ITALY** **PRODUCT SUPPORT ENGINEERING & LICENSES DEPT.** Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988	**SERVICE BULLETIN COMPLIANCE FORM**	Date:
	Number:	
	Revision:	

Customer Name and Address:	Telephone:
	Fax:
	B.T. Compliance Date:

Helicopter Model	S/N	Total Number	Total Hours	T.S.O.

Remarks:

Information:

We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address or you can communicate the application also via Technical Bulletin Application Communication Section placed in Leonardo AW Customer Portal - MyCommunications Area. We thank you beforehand for the information given.