
SERVICE BULLETIN

N° **139-514**

DATE: June 29, 2018

REV. : A March 16, 2023

TITLE

ATA 52 - INSTALLATION OF KIT SAR PROTECTION STEP

REVISION LOG

Revision A is issued to:

- Update the Effectivity to include kit emergency floats (Aerazur) P/N 3G9560F00212 and kit life rafts P/N 4G2560F00811;
- Add general notes and consumables part list items in accordance to drawings issue update;
- Update the Service Bulletin to the latest standard.

Revision bars identify changes.

1. PLANNING INFORMATION

A. EFFECTIVITY

All AB/AW139 helicopters equipped with kit footsteps pilots P/N 3G5260F00112, kit emergency floats and life rafts P/N 3G9560F00111, kit emergency floats (Aerazur) P/N 3G9560F00212 and kit life rafts P/N 4G2560F00811.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued in order to provide the necessary instruction on how to perform the installation of the SAR protection step kit P/N 4G5260F00111.

E. DESCRIPTION

The SAR protection step consists of a long-lasting protection for RH forward sponson, RH passengers fixed footstep and RH pilot fixed footstep, which in case of hoist installation prevents possible chafing of rescue hoist cable during its operations.

Part I provides all necessary instructions for installation of the provision P/N 3G5206P05911 on the passenger step, while Part II allows the installation of the SAR protection step P/N 3G5260L00131.

NOTE

For helicopters already equipped with passengers step protection provision P/N 3G5206P05911 it is allowed to comply only with Part II of this Service Bulletin, provided that the requirements described in NOTE at Page 9 are respected.

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 MMH are deemed necessary:

Part I: approximately eight (8) MMH;

Part II: approximately twenty seven (27) MMH;

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

H. WEIGHT AND BALANCE

PART I

| WEIGHT (Kg) | ARM (mm) | MOMENT (Kgmm) |
|----------------------|----------|---------------|
| | | 0,22 |
| LONGITUDINAL BALANCE | 4565 | 1004,3 |
| LATERAL BALANCE | 1330 | 292,6 |

PART II

| WEIGHT (Kg) | ARM (mm) | MOMENT (Kgmm) |
|----------------------|----------|---------------|
| | | 7,2 |
| LONGITUDINAL BALANCE | 4565 | 32868 |
| LATERAL BALANCE | 1330 | 9576 |

I. REFERENCES

1) PUBLICATIONS

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 | I, II |
| DM02 39-A-52-63-02-00A-520A-K | Right cabin fixed footstep - Remove procedure | I |
| DM03 39-A-52-63-02-00A-720A-K | Right cabin fixed footstep - Install procedure | I |

Following Data Modules refer to CSRP:

| <u>DATA MODULE</u> | <u>DESCRIPTION</u> | <u>PART</u> |
|---------------------------------|------------------------------------|-------------|
| DM04 CSRP-A-51-42-00-00A-720A-D | Potted inserts - Install procedure | I |

2) ACRONYMS

| | |
|------|--------------------------------------|
| AMP | Aircraft Maintenance Publication |
| AR | As Required |
| CSRP | Common Structural Repair Publication |
| DM | Data Module |
| DOA | Design Organization Approval |
| EASA | European Aviation Safety Agency |
| LHD | Leonardo Spa Helicopters |
| MMH | Maintenance Man Hours |
| RH | Right Hand |

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

PART I

| # | P/N | ALTERNATIVE P/N | DESCRIPTION | Q.TY | LVL | NOTE | LOG P/N |
|---|--------------|-----------------|-------------------------------------|------|-----|------|-----------|
| 1 | 4G5260F00111 | | KIT SAR PROTECTION STEP | REF | . | | N.A. |
| 2 | 3G5206P05911 | | PROTECTION PASSENGER STEP PROVISION | REF | .. | (1) | N.A. |
| 3 | A298A04TW04 | | Rivet, blind, titanium | 8 | ... | | 139-514L1 |
| 4 | NAS1832-08-4 | | Insert, screw thread | 25 | ... | | 139-514L1 |
| 5 | NAS1832-3-3 | | Insert, screw thread | 2 | ... | | 139-514L1 |
| 6 | NAS1832-3-4 | | Insert, screw thread | 4 | ... | | 139-514L1 |

PART II

| # | P/N | ALTERNATIVE P/N | DESCRIPTION | Q.TY | LVL | NOTE | LOG P/N |
|----|---------------|-----------------|---|------|-----|----------|-----------|
| 7 | 4G5260F00111 | | KIT SAR PROTECTION STEP | REF | . | | N.A. |
| 8 | 3G5260L00131 | | SAR PROTECTION STEP INSTL | REF | .. | | N.A. |
| 9 | 3G5260L00831 | | Step link assy | 1 | ... | | 139-514L2 |
| 10 | 3G5260L00931 | 3G5260L00931A1 | Sponson protection assy | 1 | ... | (2), (3) | 139-514L2 |
| 11 | 3G5260L01031 | 3G5260L01031A1 | Pax step protection assy | 1 | ... | (3) | 139-514L2 |
| 12 | AN525-10R14 | | Screw, machine | 2 | ... | | 139-514L2 |
| 13 | AN525-832R7 | | Screw, machine | 27 | ... | | 139-514L2 |
| 14 | MS21042L3 | NAS9926-3L | Nut, self-locking, extended washer, hexagon | 2 | ... | | 139-514L2 |
| 15 | MS24694-S51 | | Screw, machine | 2 | ... | | 139-514L2 |
| 16 | MS27039-1-07 | MS27039-0811 | Screw, machine | 6 | ... | | 139-514L2 |
| 17 | MS27039-1-17 | | Screw, machine | 1 | ... | | 139-514L2 |
| 18 | MS27039-1-19 | | Screw, machine | 2 | ... | | 139-514L2 |
| 19 | NAS1149C0332R | | Washer | 10 | ... | | 139-514L2 |
| 20 | NAS1149F0363P | | Washer, flat | 2 | ... | | 139-514L2 |
| 21 | NAS43DD3-13N | | Spacer, sleeve | 1 | ... | | 139-514L2 |
| 22 | NAS43DD3-26N | | Spacer, sleeve | 2 | ... | | 139-514L2 |
| 23 | MS27039-0811 | | Screw, machine | 1 | ... | | 139-514L2 |
| 24 | NAS1149DN832K | | Washer, flat | 1 | ... | | 139-514L2 |

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

2) CONSUMABLES

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

| # | SPEC./LHD CODE NUMBER | DESCRIPTION | Q.TY | NOTE | PART |
|----|--|-------------------------|------|------|------|
| 25 | 199-05-002 Type II, Class 2 / Code No. 900004603 (MMM-A-132) | Adhesive EA934NA (C057) | AR | (4) | I |

| # | SPEC./LHD CODE NUMBER | DESCRIPTION | Q.TY | NOTE | PART |
|----|--|---|------|------|------|
| 26 | AWQM005 AWMS05-001, TY I, CL B, GR 2 Code No. 999999999000005967 | Sealant MC780 B-2 (C465) | AR | (4) | II |
| 27 | 31801163 Code No. 999999999000001288 | Cloth, nonskid, safety walk | AR | (4) | II |
| 28 | Code No. 999999999000017311 | Chromate free jointing compound CORBAN 27L | AR | (4) | II |
| 29 | MIL-PRF-16173 Gr 2 Code No. 999999999000008482 or equivalent | TECTYL 502C | AR | (4) | 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 |
|--------------|-----------------|------|---------|
| 139-514L1 | 1 | (5) | Part I |
| 139-514L2 | 1 | | Part II |

NOTE

- (1) For helicopters already equipped with passengers step protection provision P/N 3G5206P05911 it is allowed to comply only with Part II of this Service Bulletin, provided that the requirements described in NOTE at Page 9 are respected.
- (2) The sponson protection assy P/N 3G5260L00931A1 has been provided as loose items not assembled. Below the list of parts:

| P/N | DESCRIPTION | Q.TY |
|---------------|---|------|
| 3G5260L00551 | Sponson Protection Body | 1 |
| 3G5260L00651 | Sponson Protection Support | 1 |
| 3G5260L01351 | Sponson Protection Internal Cover | 1 |
| 3G5260L01451 | Sponson Protection Middle Cover | 1 |
| 3G5260L01551 | Sponson Protection External Cover | 1 |
| AN3-7A | Bolt, Machine | 7 |
| MS21042L3 | Nut, Self-Locking, Extended Washer, Hexagon | 7 |
| MS35207-231 | Screw, Machine | 4 |
| NAS1149F0363P | Washer, Flat | 7 |
| NAS1149FN632P | Washer, Flat | 4 |
| NAS43DD3-26N | Spacer, Sleeve | 7 |

- (3) P/N 3G5260L00931 has to be installed with P/N 3G5260L01031, while P/N 3G5260L00931A1 has to be installed with P/N 3G5260L01031A1.

(4) To be furnished as local supply.

(5) Logistic P/N 139-514L1 has to be provided if:

- provision P/N 3G5206P05911 is not yet installed on the helicopter, or
- provision P/N 3G5206P05911 is installed on the helicopter and there are missing inserts with respect to those shown in Figure 2.

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

Customization

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

- a) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.
- b) 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.
- c) During the installation of bonding braids or components requiring grounding, clean the surface structure in order to obtain a good ground contact.
- d) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.
- e) Apply corrosion protection compound Tectyl MIL-PRF-16173, Grade II on the exposed/not sealed parts of the bolt head, nut, washers and cotter pins, where applicable, ensuring to cover their surface completely with a homogenous and gap free layer and guaranteeing 2mm overlap over the mating surfaces.
- f) Apply corrosion protection compound Corban 27L on the grip of bolt.
- g) 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.
- h) All lengths are in mm.

PART I

NOTE

If the helicopter is already equipped with passengers step protection provision P/N 3G5206P05911 it is allowed to skip to Part II, provided that following conditions are respected:

- Existing inserts position is allowed if they are at a maximum distance of 32 mm from the ones shown in Figure 2 (on both upper and lower side).

No deviation from the figure is allowed for:

- First three inserts from the forward edge on upper side;
- First two inserts from the aft edge on upper side;
- First two inserts from the forward edge on lower side.

If this condition is not satisfied contact AW139 Product Support Engineering (engineering.support.lhd@leonardo.com).

- Additional existing inserts (with respect to those shown in Figure 2) must be closed with adequate screws and adhesive (C057).
- There are not missing inserts with respect to those shown in Figure 2.

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. In accordance with AMP DM 39-A-52-63-02-00A-520A-K remove the RH passenger fixed footstep from the helicopter; then proceed with following operations on a workbench.
3. With reference to Figures 1 and 2, perform the installation of the RH passengers step protection provision P/N 3G5206P05911 as described in the following procedure:
 - 3.1 With reference to Figure 2 Section D-D, carefully drill out from the passenger footstep n°6 existing rivets P/N AS46789-409. Countersink holes 100°, Ø 6.0.
 - 3.2 With reference to Figure 2 Section D-D, install n°6 blind titanium rivets P/N A298A04TW04.
 - 3.3 With reference to Figure 2 Section C-C, carefully drill out, from the passenger footstep n°2 existing rivets P/N AS46789-409. Countersink holes 100°, Ø 6.0.

- 3.4 With reference to Figure 2 Section C-C, install n°2 blind titanium rivets P/N A298A04TW04.
- 3.5 With reference to Figure 2 Section A-A, mark on upper side and lower side footstep cover plates n°31 positions of the blind threaded inserts to be installed.
- 3.6 With reference to Figure 2 Section A-A, carefully drill n°31 holes of $\varnothing 14.25 \div 14.38$ in the upper and lower cover plate skin. Hole depth must be 0.5 mm deeper than insert height.
- 3.7 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 2 Section A-A install the threaded inserts, using adhesive EA934NA:
 - n° 25 threaded inserts NAS1832-08-4.
 - n° 2 threaded inserts NAS1832-3-3.
 - n° 4 threaded inserts NAS1832-3-4.
4. In accordance with AMP DM 39-A-52-63-02-00A-720A-K re-install on the helicopter the RH passenger footstep.
5. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
6. Return the helicopter to flight configuration and record for compliance with Part I of this Service Bulletin on the helicopter logbook.
7. Send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.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 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. With reference to Figure 1 and to Figures 3 thru 5, perform the SAR protection step P/N 3G5260L00131 installation, as described in following steps.
3. With reference to Figure 4 Detail C, remove and discard the n°2 screws P/N AN525-10R10 and the n°2 washers P/N NAS1149C0316R under the RH sponson.
4. With reference to Figure 4 Detail C, remove and discard the n°2 screws P/N AN525-10R8 and the n°2 washers P/N NAS1149C0316R on the right side of the RH sponson.

CAUTION

All drilling procedures of the provided items have to be performed on an adequate workbench to avoid the damage of the provided parts and of the helicopter.

NOTE

Customers who have received P/N 3G5260L00931 and P/N 3G5260L01031 have to skip to step 6.

Customers who have received P/N 3G5260L00931A1 and P/N 3G5260L01031A1 have to proceed with following step 5.

5. With reference to Figures 3 thru 5, perform the sponson protection assy P/N 3G5260L00931A1 and the pax step protection assy P/N 3G5260L01031A1 installation, as described in the following procedure:
 - 5.1 With reference to Figure 4, perform the sponson protection support P/N 3G5260L00651 installation, as described in the following procedure:
 - 5.1.1 With reference to Figure 4 Detail C, drill the sponson protection support P/N 3G5260L00651 according to the n°2 inserts positions installed under the RH sponson.
 - 5.1.2 With reference to Figure 4 Detail C, fix the sponson protection support P/N 3G5260L00651 in the lower side of the RH sponson by means of:
 - n°2 flat washers P/N NAS1149F0363P;
 - n°2 machine screws P/N AN525-10R14.
 - 5.2 With reference to Figure 4, perform the sponson protection body P/N 3G5260L00551 installation, as described in the following procedure:
 - 5.2.1 With reference to Figure 4 Detail CA and View D, drill the sponson protection body P/N 3G5260L00551 according to the n°4 inserts

positions installed in the lower and upper sides of the RH passenger fixed footstep.

5.2.2 With reference to Figure 4 View D, drill the sponson protection body P/N 3G5260L00551 according to the n°4 inserts positions into the lower side of the sponson protection support P/N 3G5260L00651.

5.2.3 With reference to Figure 4 Detail C and Figure 5, Section C-C, drill the sponson protection body P/N 3G5260L00551 according to the n°2 screws positions removed in step 4 from the RH side of the RH sponson.

NOTE

If positioning the sponson protection body P/N 3G5260L00551, it is not in line with the pax step protection assy P/N 3G5260L01031A1, it is allowed to trim the body to align it to the pax step protection assy, in accordance with Figure 4, Detail CA, POSITION 2.

5.2.4 With reference to Figure 4 Detail C and Detail CB, fix the sponson protection body P/N 3G5260L00551 in the RH side of the RH sponson by means of:

- n°1 screw P/N MS27039-1-19, n°1 washer P/N NAS1149C0332R, n°1 sleeve spacer P/N NAS43DD3-26N, in the upper part.
- n°1 screw P/N MS27039-1-17, n°1 washer P/N NAS1149C0332R, n°1 sleeve spacer P/N NAS43DD3-26N, in the lower part.

5.2.5 With reference to Figure 4 View D, fix the sponson protection body P/N 3G5260L00551 to the sponson protection support P/N 3G5260L00651 by means of:

- n°4 flat washers P/N NAS1149FN632P;
- n°4 machine screws P/N MS35207-231.

5.2.6 With reference to Figure 4 Detail CA and View D, fix the sponson protection body P/N 3G5260L00551 to the RH rear side passengers fixed footstep by means of:

- n°2 machine screws P/N MS27039-1-07, n°2 flat washers P/N NAS1149C0332R;
- n°2 machine screws P/N AN525-832R7.

5.3 With reference to Figure 3 Detail B, position the pax step protection assy P/N 3G5260L01031A1 on the RH passenger fixed footstep by aligning it with the sponson protection body P/N 3G5260L00551 installed in the step 5.2 and perform the following procedure:

- 5.3.1 In accordance with the positions of the inserts on the lower and upper sides of the RH passenger fixed footstep drill the pax step protection assy P/N 3G5260L01031A1.
- 5.3.2 With reference to Figure 3 Detail B, install the teflon protection P/N 3G5260L01152 along the pax step protection assy P/N 3G5260L01031A1 by means of:
- n°9 nuts P/N MS21069-L08;
 - n°9 rivet P/N MS20426AD3;
 - n°9 flat washers NAS1149DN832K;
 - n°9 screws P/N MS27039-0811;

NOTE

If necessary, to better fit the corner P/N 3G5260L01252 on the pax step protection assy P/N 3G5260L01031A1 and on the sponson protection body P/N 3G5260L00551, it is allowed to carefully trim its edges.

- 5.3.3 With reference to Figure 4 POSITION 1, fix the sponson protection corner P/N 3G5260L01252 on the pax step protection assy P/N 3G5260L01031A1 by means of
- n°1 nut P/N MS21069-L08;
 - n°1 rivet P/N MS20426AD3;
 - n°1 flat washer NAS1149DN832K;
 - n°1 screw P/N MS27039-0811;
- 5.4 With reference to Figure 3 Detail B, install the pax step protection assy P/N 3G5260L01031A1 on the RH passenger fixed footstep by means of n°23 machine screws P/N AN525-832R7.
- 5.5 With reference to Figure 5 perform the installation of the sponson protection corner P/N 3G5260L01252, of the sponson protection internal cover P/N 3G5260L01351, of the sponson protection middle cover P/N 3G5260L01451 and of the sponson protection external cover P/N 3G5260L01551 on the sponson protection body P/N 3G5260L00551 as described in the following procedure:
- 5.5.1 Temporarily position all the covers on the sponson protection body P/N 3G5260L00551 aligning them along the body, mark the holes to be done and perform the drilling.
- 5.5.2 With reference to Figure 5, fix all the covers on the sponson protection body P/N 3G5260L00551 by means of:

- n°7 sleeve spacers P/N NAS43DD3-26N;
- n°7 machine bolts AN3-7A;
- n°7 flat washers NAS1149F0363P;
- n°7 self-locking nuts hexagon extended washer P/N MS21042L3.

NOTE

Customers who have received P/N 3G5260L00931A1 and P/N 3G5260L01031A1 have to skip to step 8.

Customers who have received P/N 3G5260L00931 and P/N 3G5260L01031 have to proceed with step 6 and followings.

6. With reference to Figures 3 thru 5, install the protection assy P/N 3G5260L00931 as described in the following procedure:
 - 6.1 With reference to Figure 4, drill the sponson protection assy P/N 3G5260L00931 according to:
 - n°2 inserts positions installed under the RH sponson;
 - n°4 inserts positions in the lower and upper side of the RH passenger fixed footstep.
 - n°2 screws positions removed in step 4 from the RH side of the RH sponson.
 - 6.2 With reference to Figure 4 Detail C, fix the sponson protection assy P/N 3G5260L00931 in the lower side of the RH sponson by means of:
 - n°2 flat washers P/N NAS1149F0363P;
 - n°2 machine screws P/N AN525-10R14.
 - 6.3 With reference to Figure 4 Detail C, fix the sponson protection assy P/N 3G5260L00931 in the RH side of the RH sponson by means of:
 - n°1 screw P/N MS27039-1-19, n°1 washer P/N NAS1149C0332R, n°1 sleeve spacer P/N NAS43DD3-26N, in the upper part.
 - n°1 screw P/N MS27039-1-17, n°1 washer P/N NAS1149C0332R, n°1 sleeve spacer P/N NAS43DD3-26N, in the lower part.
 - 6.4 With reference to Figure 4 Detail CA and View D, fix the sponson protection assy P/N 3G5260L00931 to the RH rear side passengers fixed footstep by means of:
 - n°2 machine screws P/N MS27039-1-07, n°2 flat washers P/N NAS1149C0332R;
 - n°2 machine screws P/N AN525-832R7.
7. With reference to Figure 1 and Figure 3 Detail B, position the pax step protection assy P/N 3G5260L01031 on the RH passenger fixed footstep and align it with the sponson protection assy P/N 3G5260L00931 installed in the step 6.

- 7.1 If necessary, in accordance with the positions of the inserts on the upper and lower sides of the RH passenger fixed footstep, drill the pax step protection assy P/N 3G5260L01031.
- 7.2 Fix the sponson protection corner P/N 3G5260L01252 to the pax step protection assy P/N 3G5260L01031 by means of:
 - n°1 nut P/N MS21069-L08;
 - n°1 rivet P/N MS20426AD3;
 - n°1 screw P/N MS27039-0811;
 - n°1 flat washer NAS1149DN832K;
- 7.3 Install the pax step protection assy P/N 3G5260L01031 on the passenger footstep by means of n°23 machine screws P/N AN525-832R7.
8. With reference to Figure 3 align the step link assy P/N 3G5260L00831 with the pilot step and the pax step protection assy P/N 3G5260L01031A1 (or P/N 3G5260L01031) and perform its installation as described in the following procedure:

NOTE

If necessary, to align teflon protections installed along the step link assy P/N 3G5260L00831 and along the pax step protection assy P/N 3G5260L01031A1 (or P/N 3G5260L01031) it is allowed to trim them as required.

- 8.1 With reference to Figure 3 Detail B, according to the position of inserts on the RH passenger fixed footstep, drill the rear upper side and the rear lower side of the step link assy P/N 3G5260L00831.
- 8.2 With reference to Figure 3 Detail A, according to the indicated distances, drill respectively the upper side of the step link assy P/N 3G5260L00831 and the pilot step P/N 3G5260A15251.
- 8.3 With reference to Figure 3 Detail B install the step link assy P/N 3G5260L00831 on the RH passenger fixed footstep by means of:
 - n°4 flat washers P/N NAS1149C0332R;
 - n°4 machine screws P/N MS27039-1-07.
- 8.4 With reference to Figure 3 Detail A install the step link assy P/N 3G5260L00831 on the pilot step by means of:
 - n°2 flat washer P/N NAS1149C0332R;
 - n°2 machine screws P/N MS24694S51;
 - n°2 self-locking nuts hexagon extended washer P/N MS21042L3.

- 8.5 Apply sealant (C465) on the hardware installed in the previous step 8.4 to entirely waterproof it.

NOTE

In case there is a minimum level mismatch between installed parts, the Teflon edges may be chamfered to make all surfaces lined up.

NOTE

If necessary, it is allowed to fill possible gap between the step link assy P/N 3G5260L00831 and the pax step protection assy P/N 3G5260L01031A1 (or P/N 3G5260L01031) with sealant (C465).

NOTE

It is allowed to apply one or two layers of protection paint on the footstep to ensure all exposed carbon fiber is protected from UVR.

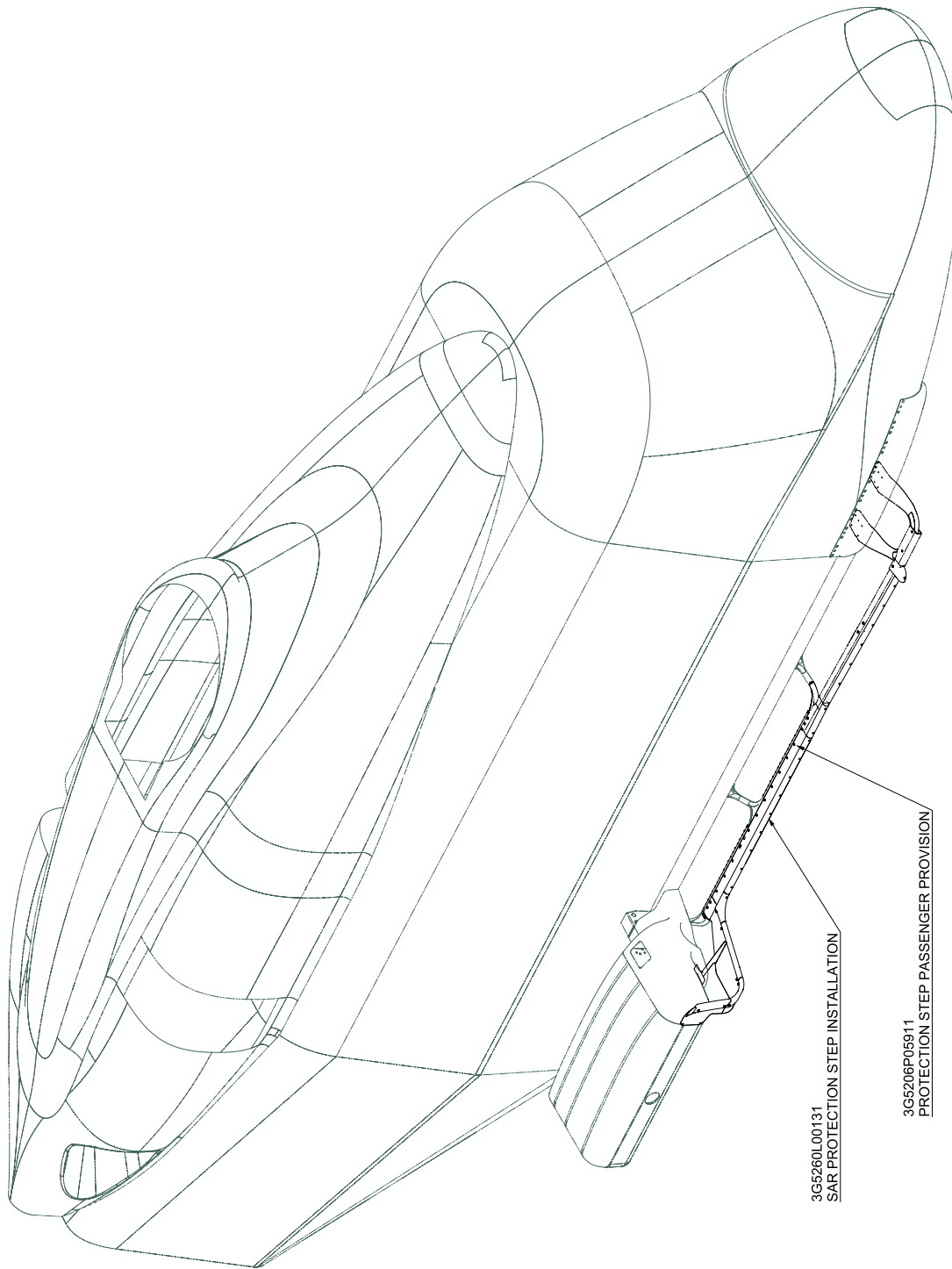
NOTE

It is allowed to apply anti-skid safety walk on the passenger step and on the pilots step.

9. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
10. Return the helicopter to flight configuration and record for compliance with Part II of this Service Bulletin on the helicopter logbook.
11. Send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

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



4G5260F00111
KIT SAR PROTECTION STEP

Figure 1

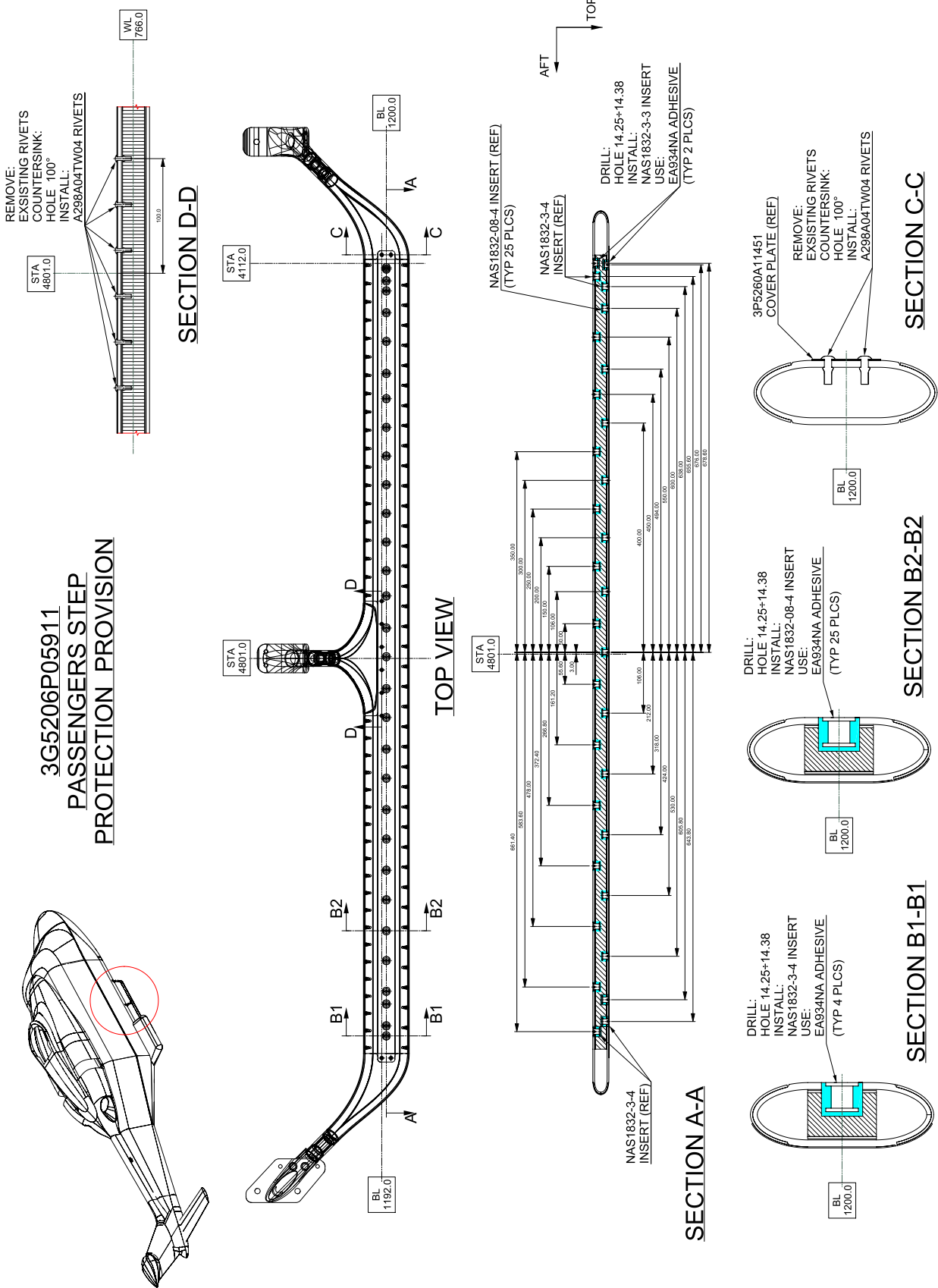


Figure 2

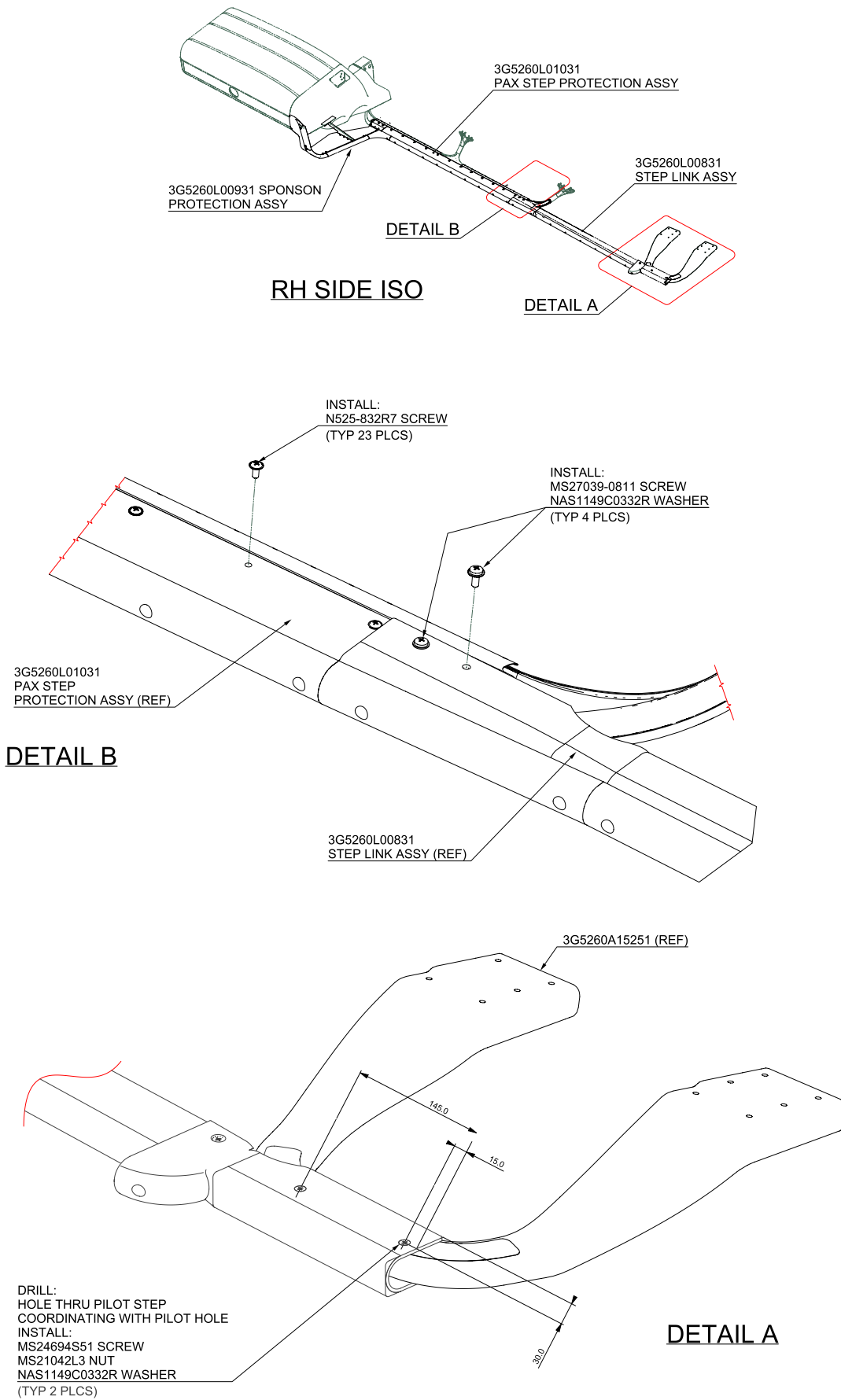


Figure 3

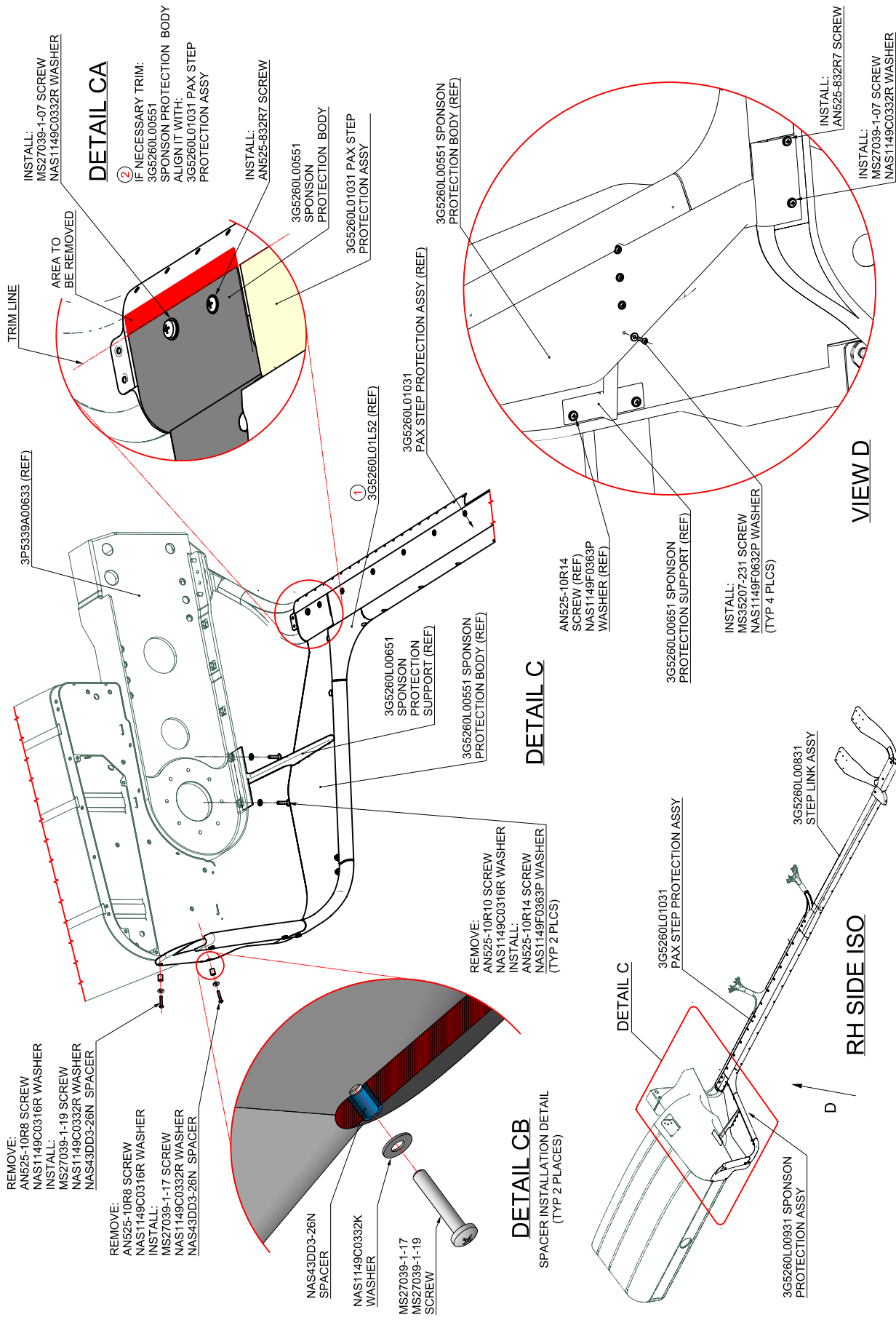


Figure 4

3G5260L00931
SPONSON PROTECTION ASSY

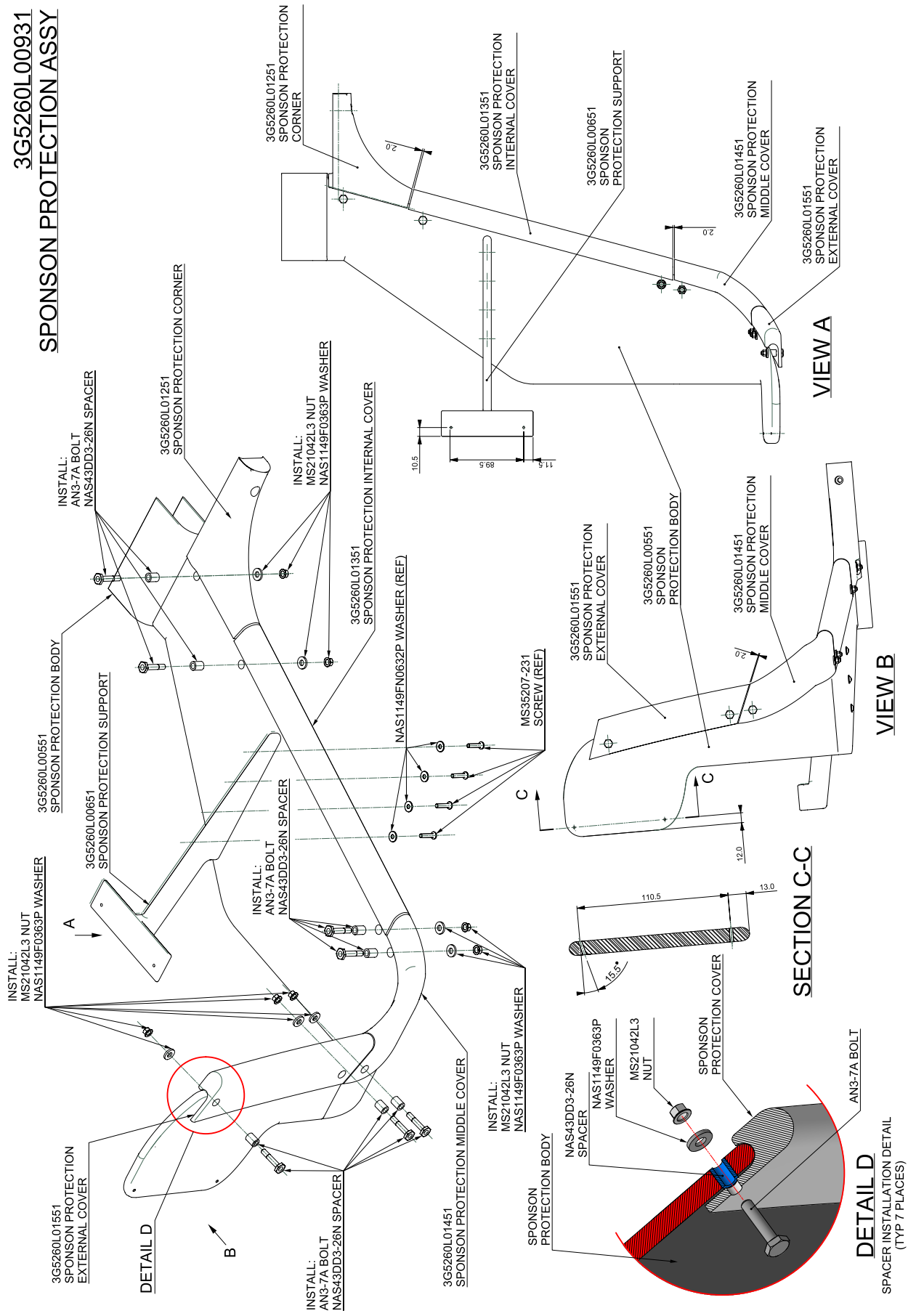


Figure 5

| 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. | |
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| 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. | | | | | |