
SERVICE BULLETIN

N° 139-722

DATE: August 22, 2022

REV. : /

TITLE

ATA 62 – MAIN ROTOR HEAD ASSY UPGRADE

REVISION LOG

First Issue

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

1. PLANNING INFORMATION

A. EFFECTIVITY

Main rotor head assemblies P/N 3G6220A00132 S/N R317 and S/N P210.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin provides the necessary instruction to perform the upgrade from the main rotor head assy P/N 3G6220A00132 to the main rotor head assy P/N 3G6220A00134.

E. DESCRIPTION

This Service Bulletin provides the necessary instruction to upgrade the main rotor head assy P/N 3G6220A00132 to the main rotor head assy P/N 3G6220A00134.

The upgrade consist in replacing the following items:

- Flanged bushings;
- Electrical bonding contactor assemblies;
- Main rotor scissor attachment flange assy.

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 twenty (20) MMH are deemed necessary.

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

H. WEIGHT AND BALANCE

N.A.

I. REFERENCES

1) PUBLICATIONS

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-62-22-00-00A-530A-B	Main rotor head - Disassemble procedure.	-
DM02 39-A-62-22-00-00A-710A-B	Main rotor head - Assemble procedure.	-

2) ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
IPD	Illustrated Parts Data
ITEP	Illustrated Tool and Equipment Publication
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
P/N	Part Number
SB	Service Bulletin
S/N	Serial Number

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	3G6220A00134		MAIN ROTOR ASSY	REF	.		-
2	3G6220A03252		Flanged bushing	20	..		139-722L1
3	3G6220A06633		Electrical bonding contactor assy	5	..		139-722L1
4	3G6220A00633		M.R. scissor attachment flange assy	1	..		139-722L1

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

2) CONSUMABLES

Refer 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
139-722L1	1	-	-

B. SPECIAL TOOLS

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

C. INDUSTRY SUPPORT INFORMATION

Configuration change.

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) Exposed thread surface and nut must be protected using a layer of tectyl according to MIL-C-16173 grade I.

NOTE

Perform the following steps 1 and 2 only if not previously accomplished on the helicopter.

1. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-530A-B and with reference to Figures 1 thru 3, remove and discard the electrical bonding contacts P/N 3G6220A06631 or P/N 3G6220A06632.
2. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-530A-B and with reference to Figures 1 thru 3, remove and discard twenty flanged bushings P/N 3G6220A03251.
3. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-530A-B and with reference to Figures 1 thru 4, remove and discard the M.R. scissor attachment flange assy P/N 3G6220A00632.
4. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-710A-B and with reference to Figures 1 thru 4, install the M.R. scissor attachment flange assy P/N 3G6220A00633.

NOTE

Perform the following steps 5 and 6 only if not previously accomplished on the helicopter.

5. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-710A-B and with reference to Figures 1 thru 3, install twenty flanged bushings P/N 3G6220A03252.
6. In accordance with applicable steps of AMP DM 39-A-62-22-00-00A-710A-B and with reference to Figures 1 thru 3, install the electrical bonding contact P/N 3G6220A06633.

NOTE

As an alternative, in accordance with AMP DM 39-A-62-00-00A-710A-B it is allowed to remove the current plate identification and to install a new plate identification P/N A016A001A1 to be remarked as described in the following step.

7. With reference to Figure 1, remark the main rotor head assy P/N 3G6220A00132 with P/N 3G6220A00134 and add "/1" near the S/N with an applicable vibropen, or equivalent, on the plate identification P/N A016A001A1.
8. Record for compliance with this Service Bulletin on the item logcard.
9. 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".

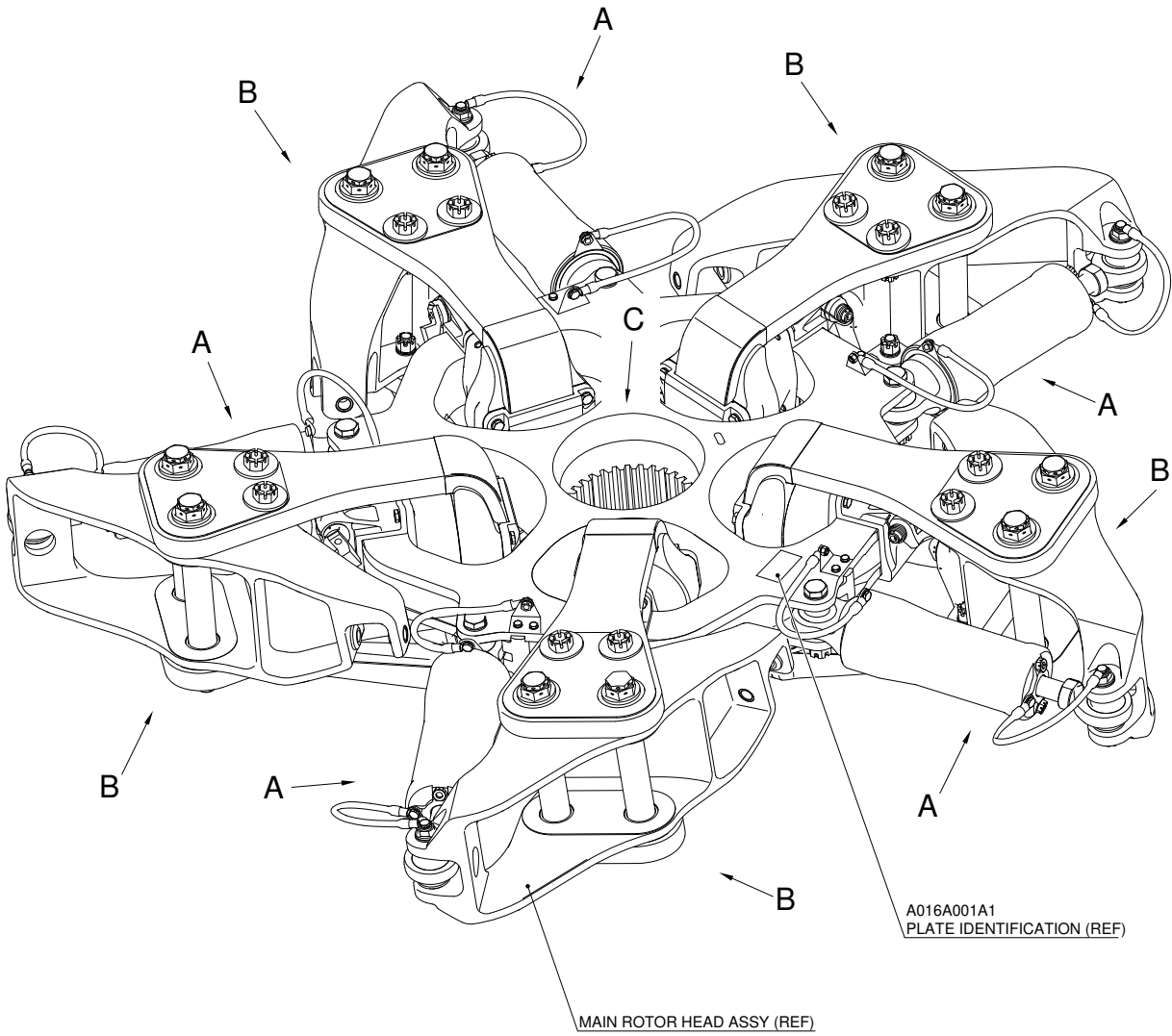
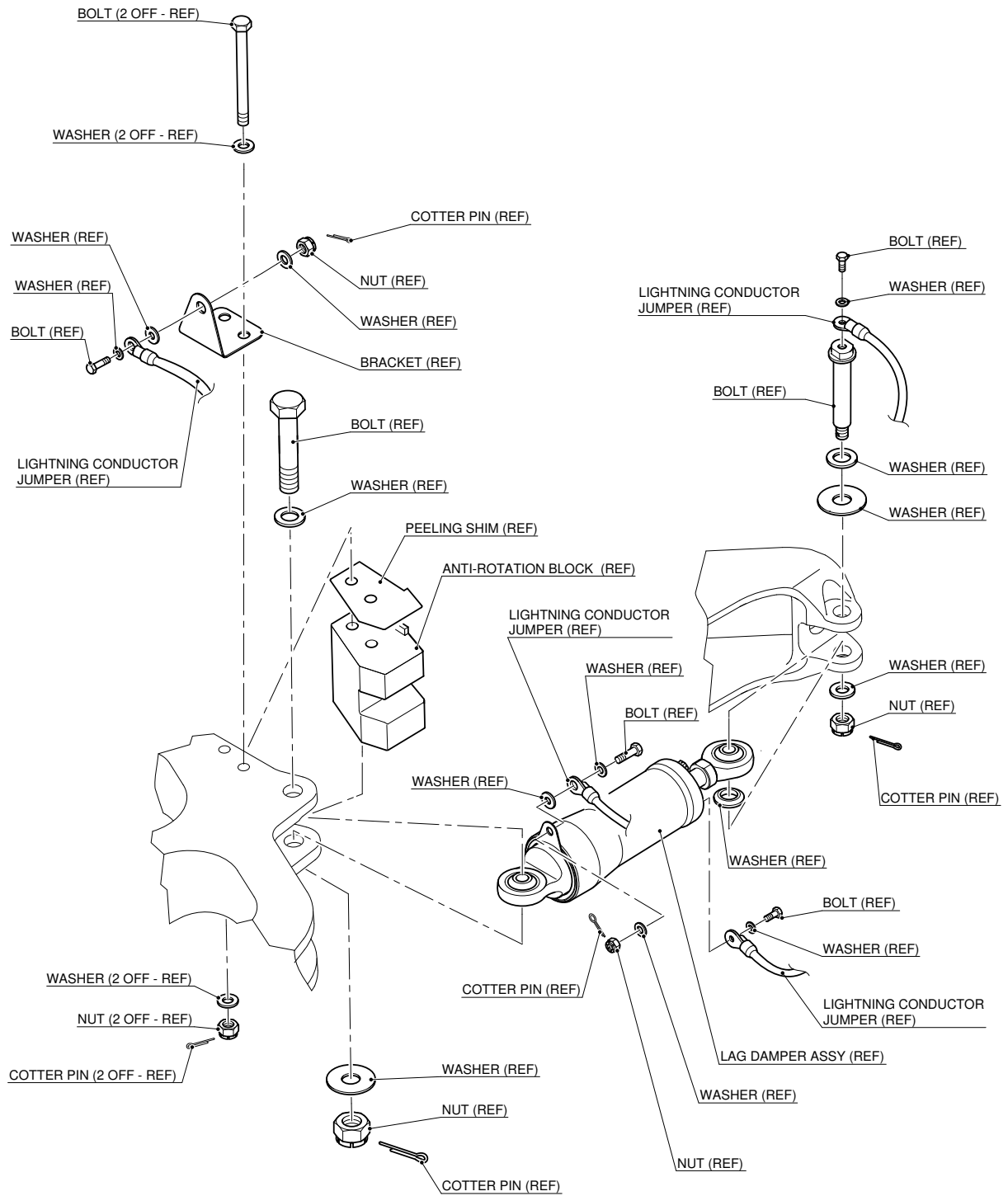


Figure 1

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VIEW A
TYPICAL 5 PLACES

Figure 2

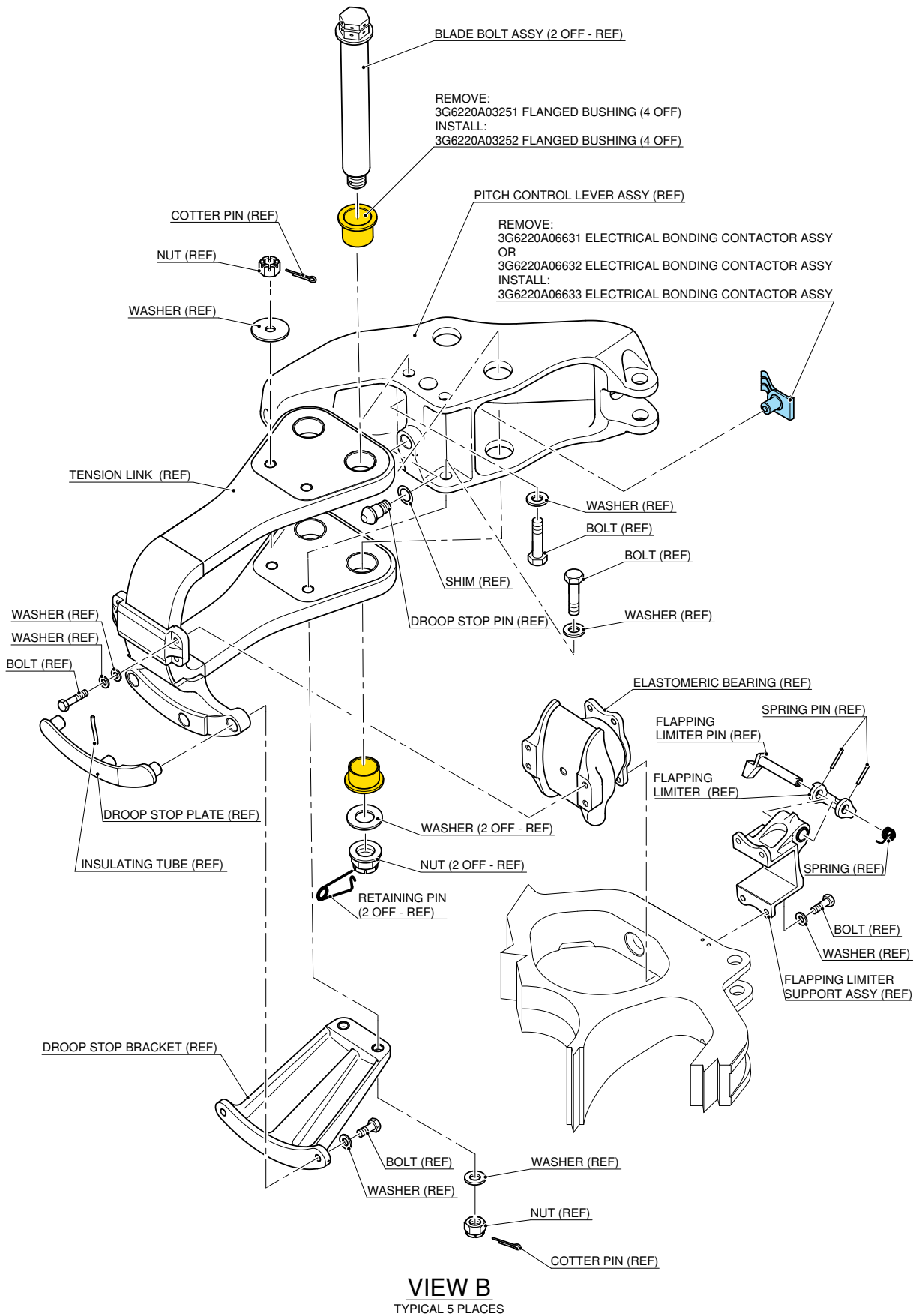
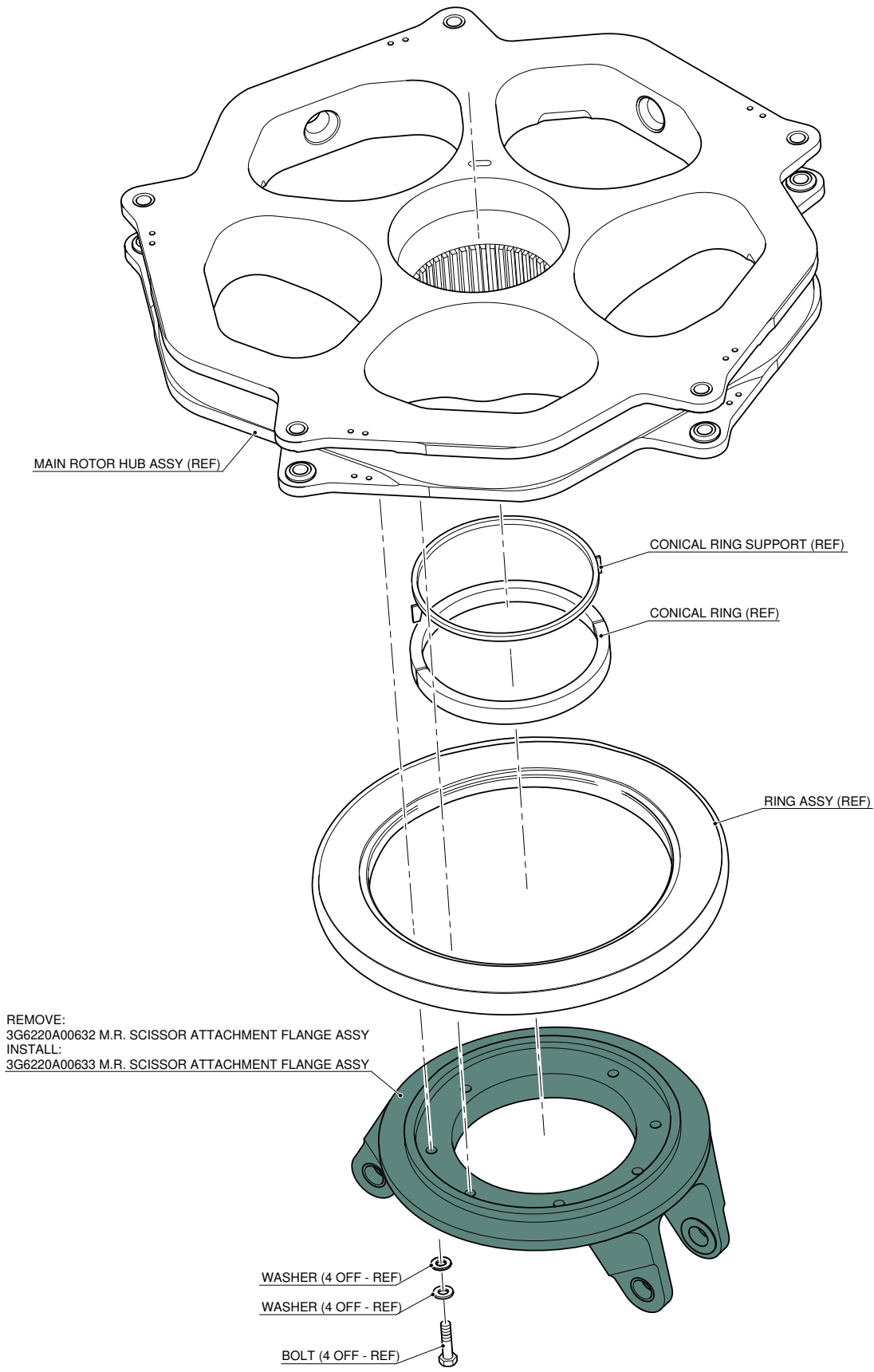


Figure 3



VIEW C

Figure 4

Please send to the following address:		SERVICE BULLETIN COMPLIANCE FORM		Date:
LEONARDO S.p.A. CUSTOMER SUPPORT & SERVICES - ITALY		Number:		
PRODUCT SUPPORT ENGINEERING & LICENSES DEPT. Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988		Revision:		
Customer Name and Address:			Telephone:	
			Fax:	
			B.T. Compliance Date:	
Helicopter Model	S/N	Total Number	Total Hours	T.S.O.
Remarks:				
<p>Information:</p> <p>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.</p>				