A300

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 32

TITLE: LANDING GEAR - NORMAL EXTENSION AND RETRACTION - INSPECTION OF UPLOCK SPRINGS

MODIFICATION No.: None

This page transmits Revision No.01 of Service Bulletin No.A300-32-0465

ADDITIONAL WORK

****CONF ALL**

No additional work is required by this revision for aircraft modified by any previous issue.

REASON

Revision No. 01 issued:

- modify table 1 threshold value column and repetitive interval value column.
- modify table 2 threshold value column and repetitive interval value column.
- update figures.

CHANGES

SUMMARY		
EFFECTIVITY	OPERATOR LIST UPDATED	R
Fig. A-FSAAA	FIGURE SOLUTION UPDATED	R
Fig. A-FSAAA Sheet 01	SHEET UPDATED	R
Fig. A-FSAAA Sheet 02	SHEET DELETED	D
Fig. A-FSCAA	FIGURE SOLUTION ADDED	N
Fig. A-FSCAA Sheet 01	SHEET ADDED	N
Fig. A-FSBAA	FIGURE SOLUTION UPDATED	R
Fig. A-FSBAA Sheet 01	SHEET UPDATED	R
Fig. A-FSBAA Sheet 02	SHEET DELETED	D
Fig. A-FSDAA	FIGURE SOLUTION ADDED	N
Fig. A-FSDAA Sheet 01	SHEET ADDED	N

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PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
Configuration definition		
CONF 001	CONFIGURATION DEFINITION UPDATED	R
COMPLIANCE		
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE UPDATED CONFIGURATION UPDATED	R
ACCOMPLISHMENT INSTRUCTIONS		
Fig. A-FBAAA		
Fig. A-FBAAA Sheet 01	SHEET UPDATED	R
Fig. A-FBAAA Sheet 02	SHEET UPDATED	R
Fig. A-FBBAA		
Fig. A-FBBAA Sheet 01	SHEET UPDATED	R
Fig. A-FBBAA Sheet 02	SHEET UPDATED	R

FILLING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued as a complete document. Replace the complete document.

Put this Revision Transmittal Sheet in front of the Service Bulletin.

HISTORY OF PREVIOUS REVISIONS

No previous revision

REVISION SEQUENCE

ORIGINAL: Jul 20/12

REVISION No. : 01 - Apr 25/13

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SERVICE BULLETIN
SUMMARY

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This summary is for information only and is not approved for modification of the aircraft.

MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 32

TITLE: LANDING GEAR - NORMAL EXTENSION AND RETRACTION - INSPECTION OF UPLOCK SPRINGS

****CONF ALL**

MODIFICATIONS

None

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Airbus has analysed in-service events reported by Messier-Bugatti-Dowty concerning some cases of NLG and MLG Door and Leg Uplock spring ruptures on A300, A310 or A300-600 aircraft.

Springs within the uplock are used to either lock the gear or the door in the up position or to participate in emergency mechanical unlocking.

The springs are positioned in pairs and in case of rupture of one spring the other one remains to fulfil the function.

The rupture of one spring has no consequence on the operation of the uplock whereas the rupture of both springs will disable the locking function or the emergency unlocking function..

This Service Bulletin is published to advise all operators of the issue of MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 and MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880.

This Service Bulletin includes a detailed inspection of the NLG and MLG Door and Leg Uplock springs and replacement in case of finding.

Accomplishment of this Service Bulletin will ensure correct operation of the NLG and MLG Door and Leg Uplocks.

GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	MANDATORY (1)	CANCELS INSPECTION SB	NO
POTENTIAL AD	YES	A/C OPERATION AFFECTED	NO
RELIABILITY AFFECTED	NO	PAX COMFORT AFFECTED	NO

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EVALUATION TABLE			
COST SAVING	NO	ETOPS AFFECTED	NO
STRUCTURAL LIFE EXTN	NO	VENDOR SB INVOLVED	YES
A/C JACKING	YES		

NOTE (1): Service Bulletin must be accomplished.

NOTE: A/C jacking is necessary if functional tests are required.

MATERIAL PRICE INFORMATION

No Material

EFFECTIVITY

This Service Bulletin is applicable to this (these) operator(s) :

001 50W 69X 72U 81T ABR AFG DHL F2I FLM IAW IRA IRM
KYE KZU MNB MNG MSR NTR P2A RUN SOP TIW TNO TSY

CONCURRENT REQUIREMENTS

None

REFERENCES / REPERCUSSIONS

TFU	None
OEB	None
AOT	None
SIL	None
LINE MAINTENANCE AFFECTED	No
LIFE LIMIT	None
OTHER	None

NATURE OF THE WORK

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

MANPOWER

Task 320465-832-801-001: Inspection	
TOTAL MANHOURS	9.00
ELAPSED TIME (HOURS)	9.00
Additional manhours related to Vendor SB; refer to:	

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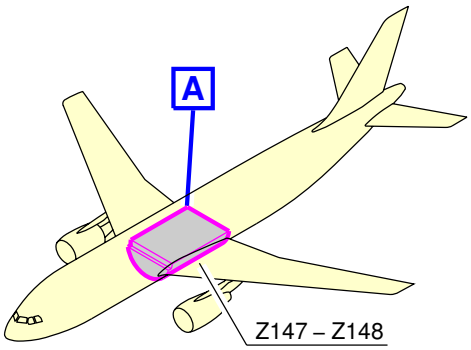
Task 320465-832-801-001: Inspection	
Do a Detailed Inspection of the MLG and MLG Door Uplock Springs	MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880
Do a Detailed Inspection of the NLG and NLG Door Uplock Springs	MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880

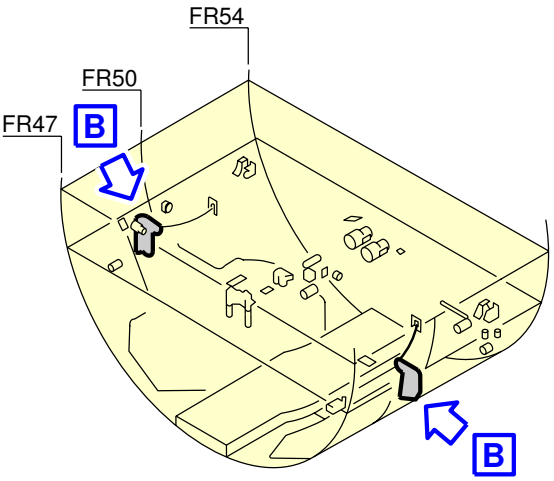
APPENDICES

Appendix 01 : Inspection Report

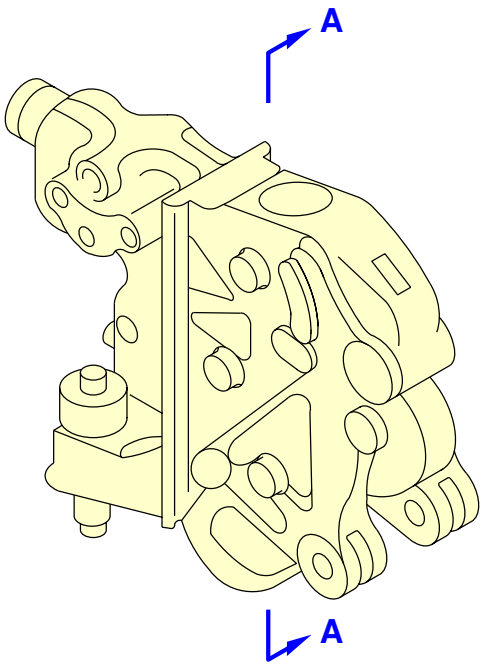
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**CONF ALL



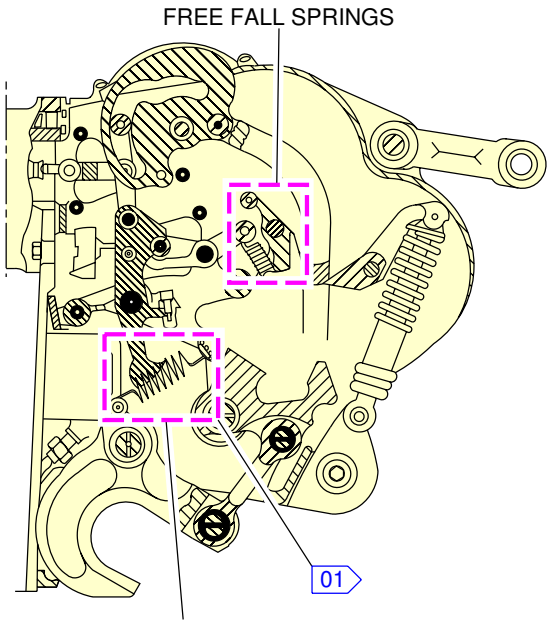


A



B

LH SIDE SHOWN
RH SIDE SYMMETRICAL



SPRINGS ATTACHED TO THE HOOK
(HOOK SPRINGS) AND
SPRINGS ATTACHED TO THE LEVER
(LEVER SPRINGS)

A - A

NOTE:

01 DEPENDING ON THE PN, THERE ARE 1 PAIR OF SPRINGS OR 2 PAIRS OF SPRINGS AT THIS POSITION

A_SB_320465_5_SAAA_01_09

Figure A-FSAAA - Sheet 01
Main Landing Gear Uplock

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**CONF ALL

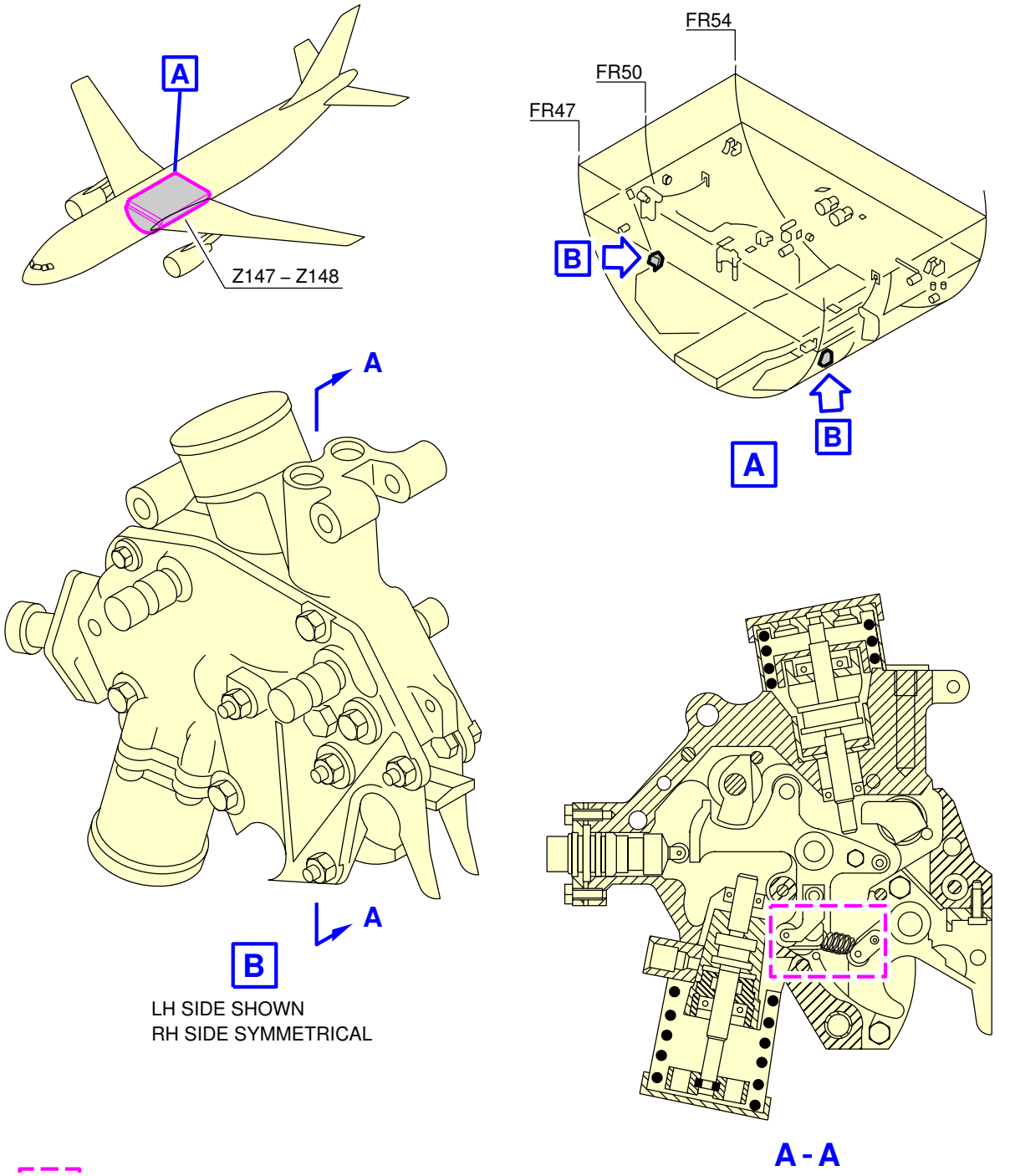
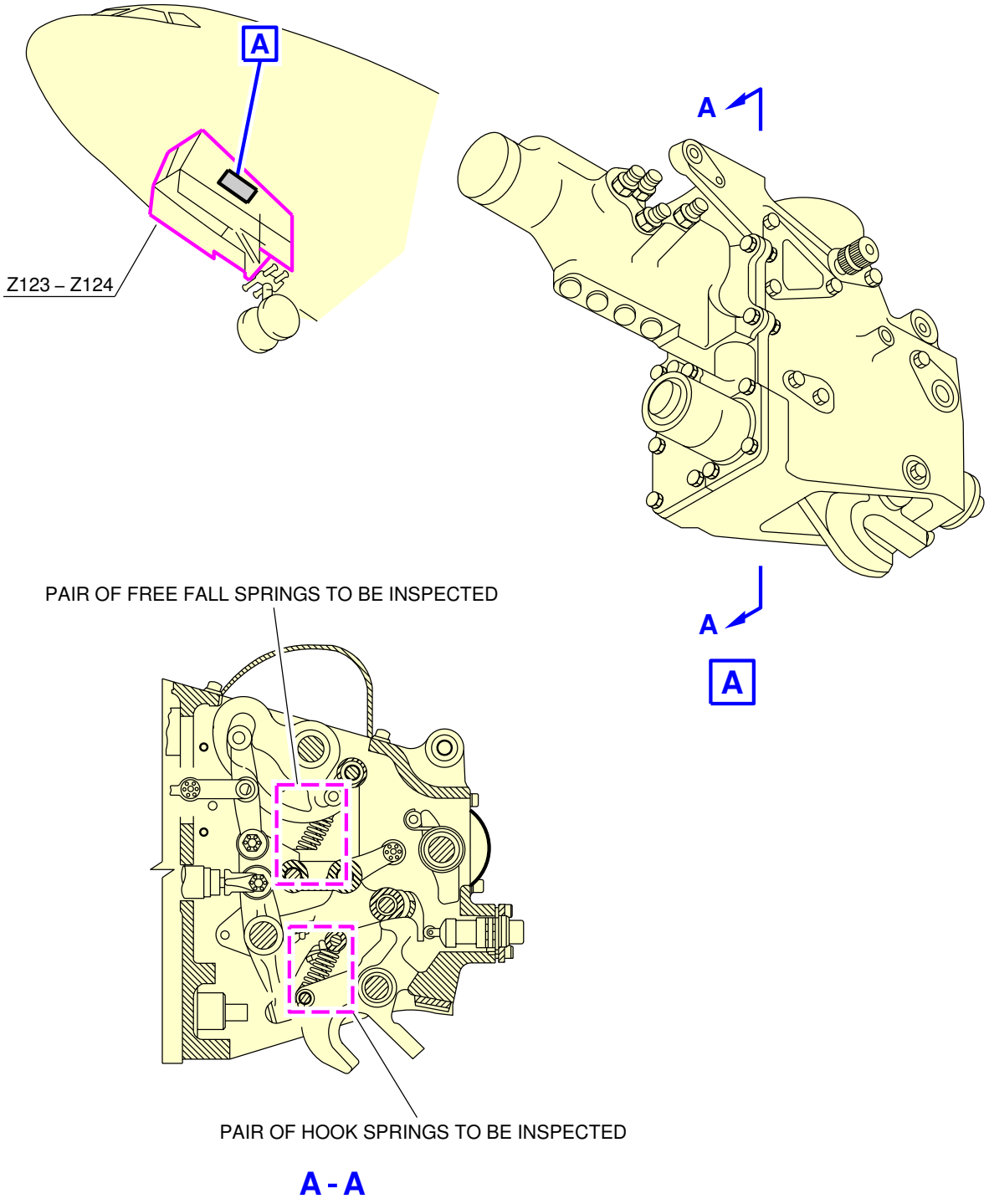


Figure A-FSCAA - Sheet 01
Main Landing Gear Door Uplock

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**CONF ALL

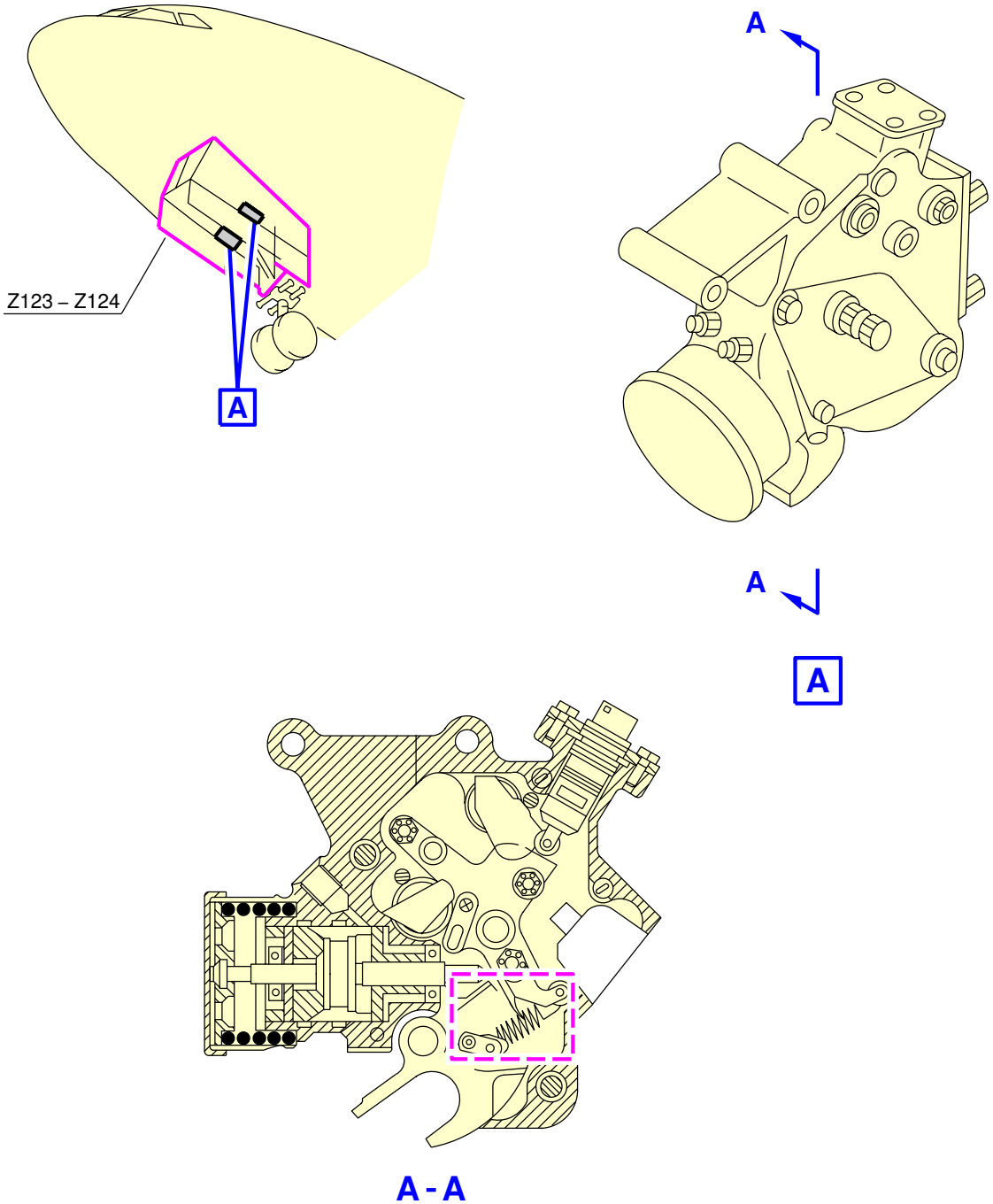


A_SB_320465_5_SBAA_01_02

Figure A-FSBAA - Sheet 01
Nose Landing Gear Uplock

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**CONF ALL



A_SB_320465_5_SDAA_01_00

Figure A-FSDAA - Sheet 01
Nose Landing Gear Door Uplock

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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 32

TITLE: LANDING GEAR - NORMAL EXTENSION AND RETRACTION - INSPECTION OF UPLOCK SPRINGS

MODIFICATION No.: None

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

B2-1C B2-203 B2K-3C B4-103 B4-120 B4-203 B4-2C C4-203 F4-203

(2) Effectivity by MSN

0003 0041 0045 0047 0053 0055 0075 0079-0080 0082-0085 0090 0094-0095 0101 0105 0107 0116-0117 0123-0126 0128-0129 0133 0135-0137 0139 0141 0149-0152 0154-0157 0160 0170 0173 0175-0176 0180 0183-0185 0187 0189 0199-0200 0203-0204 0210-0212 0218-0220 0226-0227 0234-0236 0239 0243-0244 0247 0249-0250 0255-0256 0259 0261 0265 0274 0277 0289 0292 0299 0302 0304

(3) Effectivity by Operator

The Operator/MSN relationship is provided for information only and is correct at the time of issue in accordance with the information available to AIRBUS. Any future changes resulting from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason.

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OPERATOR	MSN
001	0125 0157 0203 0218
50W	0003
69X	0095
72U	0079
81T	0277 0292
ABR	0152 0184 0189 0199 0219 0220 0234 0236 0250 0259 0274 0289
AFG	0180
DHL	0084 0085 0141 0149 0249 0265
F2I	0083 0094 0128 0133 0135 0136 0137 0156 0170 0235 0243
FLM	0082 0176
IAW	0239
IRA	0080 0139 0151 0173 0185 0187 0226 0256 0299 0302
IRM	0055 0090 0160 0175 0204 0244
KYE	0053 0211
KZU	0041 0101 0117
MNB	0123 0212 0304
MNG	0047
MSR	0200 0255
NTR	0124 0155
P2A	0116 0150
RUN	0075 0105 0107 0154 0183
SOP	0126
TIW	0261
TNO	0045 0210 0227 0247
TSY	0129

(4) Configuration by MSN

MSN	CONFIGURATION
0003 0041 0045 0047 0053 0055 0075 0079 0080 0082 0083 0084 0085 0090 0094 0095 0101 0105 0107 0116 0117 0123 0124 0125 0126 0128 0129 0133 0135 0136 0137 0139 0141 0149 0150 0151 0152 0154 0155 0156 0157 0160 0170 0173 0175 0176 0180 0183 0184 0185 0187 0189 0199 0200 0203 0204 0210 0211 0212 0218 0219 0220 0226 0227 0234 0235 0236 0239 0243 0244 0247 0249 0250 0255 0256 0259 0261 0265 0274 0277 0289 0292 0299 0302 0304	001

(5) Configuration definition

**CONF 001
Config. 001 is valid for all the aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(6) Material Effectivity

B. CONCURRENT REQUIREMENTS

None

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C. REASON

(1) History

Airbus has analysed in-service events reported by Messier-Bugatti-Dowty concerning some cases of NLG and MLG Door and Leg Uplock spring ruptures on A300, A310 or A300-600 aircraft.

Springs within the uplock are used to either lock the gear or the door in the up position or to participate in emergency mechanical unlocking.

The springs are positioned in pairs and in case of rupture of one spring the other one remains to fulfil the function.

The rupture of one spring has no consequence on the operation of the uplock whereas the rupture of both springs will disable the locking function or the emergency unlocking function..

(2) Objective/Action

This Service Bulletin is published to advise all operators of the issue of MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 and MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880.

This Service Bulletin includes a detailed inspection of the NLG and MLG Door and Leg Uplock springs and replacement in case of finding.

(3) Advantages

Accomplishment of this Service Bulletin will ensure correct operation of the NLG and MLG Door and Leg Uplocks.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 320465-832-801-001: Inspection

(1) Do a Detailed Inspection of the MLG and MLG Door Uplock Springs

(2) Do a Detailed Inspection of the NLG and NLG Door Uplock Springs

(3) Replace the involved MLG door uplock

(4) Replace the involved MLG uplock

(5) Replace the involved NLG door uplock

(6) Replace the involved NLG uplock

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E. COMPLIANCE

(1) Classification

MANDATORY: Service Bulletin must be accomplished.

(2) Accomplishment Timescale

TABLE 1 : DETAILED INSPECTION OF MLG AND MLG DOOR UPLOCK SPRINGS

Condition	Action	COMPLIANCE TIME		Repetitive Interval
		THRESHOLD (whichever occurs first)	GRACE PERIOD	
Config.001	Apply SUBTASK 320465-832-001 001 Do a Detailed Inspection of the MLG and MLG Door Uplock Springs	18 months from the Service Bulletin issuance date	None	Repeat this inspection SB every 18 months
Spring is not broken and not damaged	None	None		Repeat this inspection SB every 18 months
Hook spring is broken or damaged on MLG door uplock	Apply SUBTASK 320465-833-001 001 Replace the involved MLG door uplock	before the next flight	2 months	Repeat this inspection SB every 18 months
Free fall spring is broken or damaged on MLG uplock	Apply SUBTASK 320465-833-002 001 Replace the involved MLG uplock	before the next flight	1,000 FC with inspection every 50 FC, refer to SUBTASK 320465-832-001-001 para. (1).(b).	Repeat this inspection SB every 18 months
Two free fall springs are broken or damaged on MLG uplock	Apply SUBTASK 320465-833-002 001 Replace the involved MLG uplock	before the next flight	None	Repeat this inspection SB every 18 months

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TABLE 1 : DETAILED INSPECTION OF MLG AND MLG DOOR UPLOCK SPRINGS				
Condition	Action	COMPLIANCE TIME		Repetitive Interval
		THRESHOLD (whichever occurs first)	GRACE PERIOD	
Hook and/or Lever springs are broken or damaged on MLG uplock	Apply SUBTASK 320465-833-002 001 Replace the involved MLG uplock	before the next flight	1,000 FC with inspection every 50 FC, refer to SUBTASK 320465-832-001-001 para. (1).(b).	Repeat this inspection SB every 18 months

Table 1

TABLE 2 : DETAILED INSPECTION OF NLG AND NLG DOOR UPLOCK SPRINGS				
Condition	Action	COMPLIANCE TIME		Repetitive Interval
		THRESHOLD (whichever occurs first)	GRACE PERIOD	
Config.001	Apply SUBTASK 320465-832-002 001 Do a Detailed Inspection of the NLG and NLG Door Uplock Springs	18 months from the Service Bulletin issuance date	None	Repeat this inspection SB every 18 months
Spring is not broken and not damaged	None	None		Repeat this inspection SB every 18 months
Hook spring is broken or damaged on NLG door uplock	Apply SUBTASK 320465-833-003 001 Replace the involved NLG door uplock	before the next flight	2 months	Repeat this inspection SB every 18 months
Free fall spring is broken or damaged on NLG uplock	Apply SUBTASK 320465-833-004 001 Replace the involved NLG uplock	before the next flight	1,000 FC with inspection every 50 FC, refer to SUBTASK 320465-832-002-001 para. (2).(b).	Repeat this inspection SB every 18 months
Two free fall springs broken or damaged on NLG uplock	Apply SUBTASK 320465-833-004 001 Replace the involved NLG uplock	before the next flight	None	Repeat this inspection SB every 18 months

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TABLE 2 : DETAILED INSPECTION OF NLG AND NLG DOOR UPLOCK SPRINGS				
Condition	Action	COMPLIANCE TIME		Repetitive Interval
		THRESHOLD (whichever occurs first)	GRACE PERIOD	
Hook spring is broken or damaged on NLG uplock	Apply SUBTASK 320465-833-004 001 Replace the involved NLG uplock	before the next flight	1,000 FC with inspection every 50 FC, refer to SUBTASK 320465-832-002-001 para. (2).(b).	Repeat this inspection SB every 18 months

Table 2

This Service Bulletin has been classified Mandatory. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this classification. It is anticipated that the AD will confirm the (thresholds and/or intervals and/or date) given above but reference should be made to the AD for confirmation of the mandated accomplishment timescale.

F. APPROVAL

The technical content of this document is approved under the authority of Design Organisation Approval No. EASA.21J.031.

If an aircraft listed in the effectivity has a modification or repair embodied that is not of AIRBUS origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for any adaptation necessary before incorporation of the Service Bulletin.

G. MANPOWER

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work. These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operator's circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools, drying times for paints, sealants, etc., and general administration work are also not included.

Task 320465-832-801-001: Inspection	
Get Access	2.00
On Aircraft	
Replace the involved MLG door uplock	1.00
Replace the involved MLG uplock	1.00
Replace the involved NLG door uplock	1.00
Replace the involved NLG uplock	1.00
Tests	1.00
Close-Up	2.00
TOTAL MANHOURS	9.00
ELAPSED TIME (HOURS)	9.00

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Task 320465-832-801-001: Inspection	
Additional manhours related to Vendor SB; refer to:	
Do a Detailed Inspection of the MLG and MLG Door Uplock Springs	MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880
Do a Detailed Inspection of the NLG and NLG Door Uplock Springs	MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	24-00-00 32-12-11 32-22-11 32-31-14 32-31-21 32-31-33 32-31-44
Elec. Std. Practices Manual (ESPM)	20-55-00
Vendor Service Bulletin (VSB)	MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880

K. PUBLICATION AFFECTED

Maintenance Planning Document (MPD)	32-31-14 32-31-33

L. INTERCHANGEABILITY/MIXABILITY

Not Applicable

M. SPARES

None

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2. MATERIAL INFORMATION

****CONF ALL**

A. MATERIAL - PRICE AND AVAILABILITY

(1) Procurement Addresses

Modification of removed equipment should be negotiated directly with MESSIER-BUGATTI-DOWTY as per instructions given in Service Bulletins No. 470-32-206 and 470-32-880.

(2) Price and Availability

No AIRBUS kit will be provided.

Refer to the Vendor Service Bulletins No. 470-32-206 and 470-32-880 for the equipment modification sales terms.

B. INDUSTRY SUPPORT INFORMATION

Refer to the MESSIER-BUGATTI-DOWTY Service Bulletins No. 470-32-206 and 470-32-880 for the industry support terms of the Vendor Service Bulletin parts and labor.

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

None

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3. ACCOMPLISHMENT INSTRUCTIONS

Task 320465-832-801-001 - Inspection

WARNING: MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

CAUTION: ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC; AS NECESSARY ON WIRING AND COMPONENTS.
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.

IN CASE OF CONTAMINATION REFER TO ESPM 20-55-00.

Task Associated Data

Zone	
123 124 147 148	
Manpower	
TOTAL MANHOURS	9.00
ELAPSED TIME (HOURS)	9.00
Additional manhours related to Vendor SB; refer to:	
MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206 MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880	

A. GENERAL

(1) Subtask 320465-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

(a) Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.

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B. PREPARATION

(1) Subtask 320465-941-001-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	24-00-00, Page Block 301 32-12-11, Page Block 301 32-22-11, Page Block 301 32-31-14, Page Block 401 32-31-21, Page Block 401 32-31-33, Page Block 401 32-31-44, Page Block 401

(a) Make sure that the aircraft is electrically grounded (Refer to AMM 24-00-00, Page Block 301).

(b) Put the access platform(s) in position at zones 147, 148, 123 and 124.

(c) Open the NLG doors (Refer to AMM 32-22-11, Page Block 301).

(d) Open the MLG doors (Refer to AMM 32-12-11, Page Block 301).

(e) Do the preparation procedure as specified in the removal of the MLG uplocks and door uplocks (Refer to AMM 32-31-44, Page Block 401 and AMM 32-31-33, Page Block 401).

(f) Do the preparation procedure as specified in the removal of the NLG uplocks and door uplocks (Refer to AMM 32-31-21, Page Block 401 and AMM 32-31-14, Page Block 401).

C. PROCEDURE

(1) Subtask 320465-832-001-001 - Do a Detailed Inspection of the MLG and MLG Door Uplock Springs

Work Zones and Access Panels		
	Zone	Access/Work location
	147	
	148	

References	
Vendor Service Bulletin (VSB)	MESSIER-BUGATTI-DOWTY 470-32-206 MESSIER-BUGATTI-DOWTY 470-32-880
Fig. A-FBAAA Area to be Inspected	Sheet 01 Sheet 02
Fig. A-FFAAA Flow Chart	Sheet 01

At the threshold given in the Planning Information Paragraph E.(2):

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(a) Do a detailed inspection of the springs of the main landing gear door uplocks in accordance with MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206:

refer to Fig. A-FBAAA Sheet 01, Fig. A-FBAAA Sheet 02 and Fig. A-FFAAA Sheet 01

1 If load check is incorrect:

a Apply SUBTASK 320465-833-001 001 Replace the involved MLG door uplock

b Send inspection report to AIRBUS.

c Repeat inspection at interval given in planning information paragraph E.(2).

2 If load check is correct:

a Send inspection report to AIRBUS.

b Repeat inspection at interval given in planning information paragraph E.(2).

(b) Do a detailed visual inspection of the springs of the main landing gear uplocks in accordance MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880:

refer to Fig. A-FBAAA Sheet 01, Fig. A-FBAAA Sheet 02 and Fig. A-FFAAA Sheet 01

1 If spring is damaged:

a Apply SUBTASK 320465-833-002 001 Replace the involved MLG uplock

b Send inspection report to AIRBUS.

c Repeat inspection at interval given in planning information paragraph E.(2).

2 If spring is not damaged

a Send inspection report to AIRBUS.

b Repeat inspection at interval given in planning information paragraph E.(2).

(2) Subtask 320465-832-002-001 - Do a Detailed Inspection of the NLG and NLG Door Uplock Springs

Work Zones and Access Panels		
	Zone	Access/Work location
	123	
	124	

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References	
Vendor Service Bulletin (VSB)	MESSIER-BUGATTI-DOWTY 470-32-206 MESSIER-BUGATTI-DOWTY 470-32-880
Fig. A-FBBAA Area to be Inspected	Sheet 01 Sheet 02
Fig. A-FFAAA Flow Chart	Sheet 01

At the threshold given in the Planning Information Paragraph E.(2):

(a) Do a detailed inspection of the springs of the nose landing gear door uplocks in accordance with MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-206:

refer to Fig. A-FBBAA Sheet 01, Fig. A-FBBAA Sheet 02 and Fig. A-FFAAA Sheet 01

1 If load check is incorrect:

a Apply SUBTASK 320465-833-003 001 Replace the involved NLG door uplock

b Send inspection report to AIRBUS.

c Repeat inspection at interval given in planning information paragraph E.(2).

2 If load check is correct:

a Send inspection report to AIRBUS.

b Repeat inspection at interval given in planning information paragraph E.(2).

(b) Do a detailed inspection of the springs of the nose landing gear uplocks in accordance with MESSIER-BUGATTI-DOWTY Service Bulletin No. 470-32-880:

refer to Fig. A-FBBAA Sheet 01, Fig. A-FBBAA Sheet 02 and Fig. A-FFAAA Sheet 01

1 If spring is damaged:

a Apply SUBTASK 320465-833-004 001 Replace the involved NLG uplock

b Send inspection report to AIRBUS.

c Reinspect at interval given in planning information paragraph E.(2).

2 If spring is not damaged

a Send inspection report to AIRBUS.

b Reinspect at interval given in planning information paragraph E.(2).

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(3) Subtask 320465-833-001-001 - Replace the involved MLG door uplock

Work Zones and Access Panels		
	Zone	Access/Work location
	148	
	147	

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-31-33, Page Block 401

(a) Remove the involved MLG door uplock (Refer to AMM 32-31-33, Page Block 401.

(b) Send the involved MLG door uplock in shop for repair.

(c) Install a serviceable MLG door uplock (Refer to AMM 32-31-33, Page Block 401.

(4) Subtask 320465-833-002-001 - Replace the involved MLG uplock

Work Zones and Access Panels		
	Zone	Access/Work location
	147	
	148	

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-31-44, Page Block 401

(a) Remove the involved MLG gear uplock (Refer to AMM 32-31-44, Page Block 401).

(b) Send the involved MLG gear uplock in shop for repair.

(c) Install a serviceable MLG gear uplock (Refer to AMM 32-31-44, Page Block 401).

(5) Subtask 320465-833-003-001 - Replace the involved NLG door uplock

Work Zones and Access Panels		
	Zone	Access/Work location
	123	
	124	

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Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-31-14, Page Block 401

(a) Remove the involved NLG door uplock (Refer to AMM 32-31-14, Page Block 401).

(b) Send the involved NLG door uplock in shop for repair.

(c) Install a serviceable NLG door uplock (Refer to AMM 32-31-14, Page Block 401).

(6) Subtask 320465-833-004-001 - Replace the involved NLG uplock

Work Zones and Access Panels		
	Zone	Access/Work location
	123	
	124	

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-31-21, Page Block 401

(a) Remove the involved NLG gear uplock (Refer to AMM 32-31-21, Page Block 401).

(b) Send the involved NLG gear uplock in shop for repair.

(c) Install a serviceable NLG gear uplock (Refer to AMM 32-31-21, Page Block 401).

D. TEST

(1) Subtask 320465-700-001-001 - Testing

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-31-14, Page Block 401 32-31-21, Page Block 401 32-31-33, Page Block 401 32-31-44, Page Block 401

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(a) If a MLG or a MLG door uplock have been replaced:

Do the test procedure as specified after the installation of MLG uplocks and door uplocks (Refer to AMM 32-31-44, Page Block 401 and AMM 32-31-33, Page Block 401).

(b) If a NLG or a NLG door uplock have been replaced:

Do the test procedure as specified after the installation of NLG uplocks and door uplocks (Refer to AMM 32-31-21, Page Block 401 and AMM 32-31-14, Page Block 401).

E. CLOSE-UP

(1) Subtask 320465-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	32-12-11, Page Block 301 32-22-11, Page Block 301 32-31-14, Page Block 401 32-31-21, Page Block 401 32-31-33, Page Block 401 32-31-44, Page Block 401

(a) Do the close-up procedure as specified in the installation of the MLG uplocks and door uplocks (Refer to AMM 32-31-44, Page Block 401 and AMM 32-31-33, Page Block 401).

(b) Do the close-up procedure as specified in the installation of the NLG uplocks and door uplocks (Refer to AMM 32-31-21, Page Block 401 and AMM 32-31-14, Page Block 401).

(c) Close the NLG doors (Refer to AMM 32-22-11, Page Block 301).

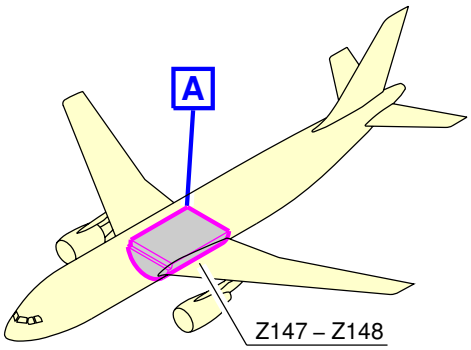
(d) Close the MLG doors (Refer to AMM 32-12-11, Page Block 301).

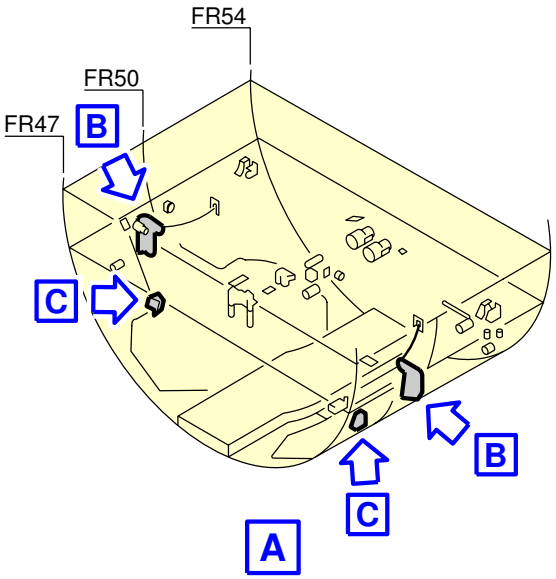
(e) Remove the access platform(s).

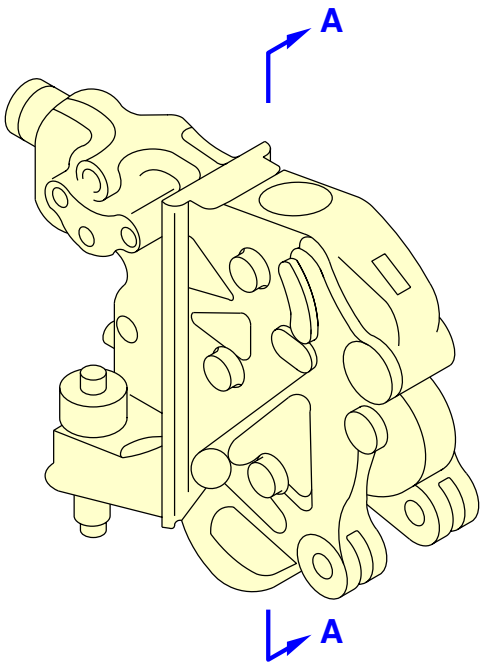
(f) Restore the aircraft and the systems to normal operating conditions.

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**CONF ALL

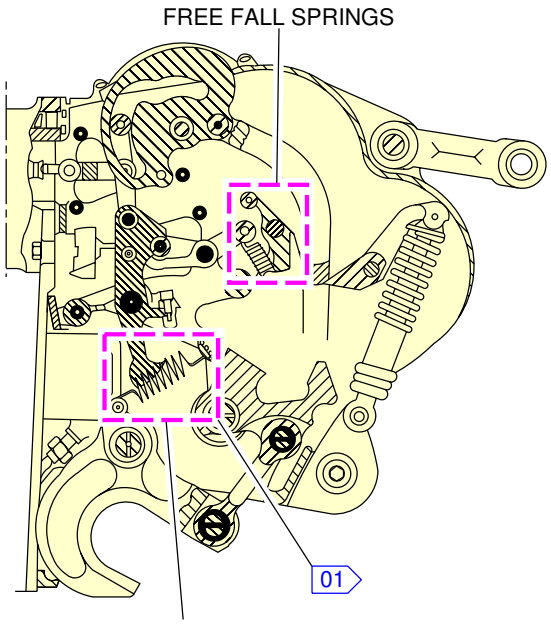






B

LH SIDE SHOWN
RH SIDE SYMMETRICAL



SPRINGS ATTACHED TO THE HOOK
(HOOK SPRINGS) AND
SPRINGS ATTACHED TO THE LEVER
(LEVER SPRINGS)

A - A

NOTE:

01 DEPENDING ON THE PN, THERE ARE 1 PAIR OF SPRINGS OR 2 PAIRS OF SPRINGS AT THIS POSITION

A_SB_320465_5_BAAA_01_08

Figure A-FBAAA - Sheet 01
Area to be Inspected

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**CONF ALL

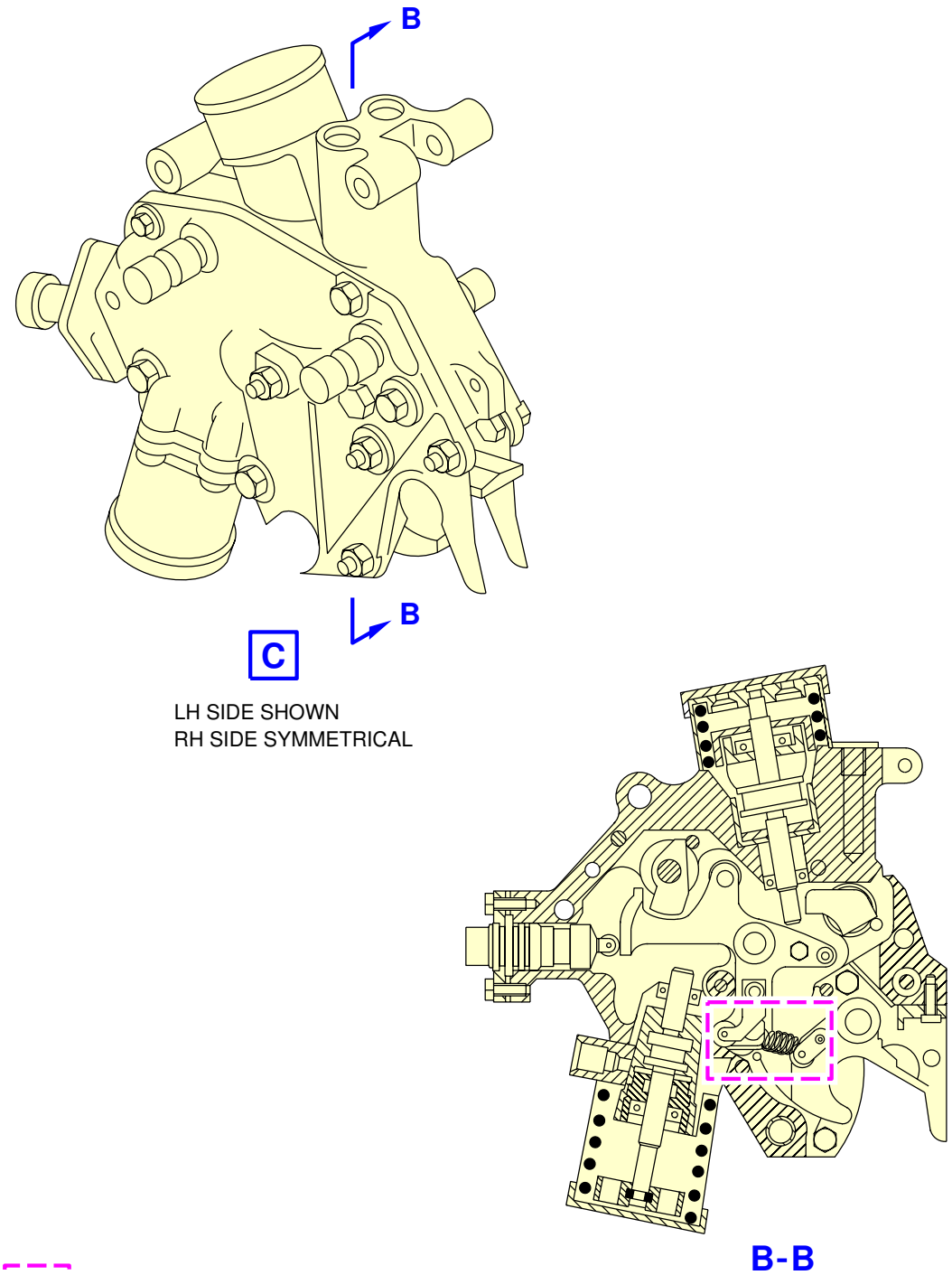


Figure A-FBAAA - Sheet 02
Area to be Inspected

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**CONF ALL

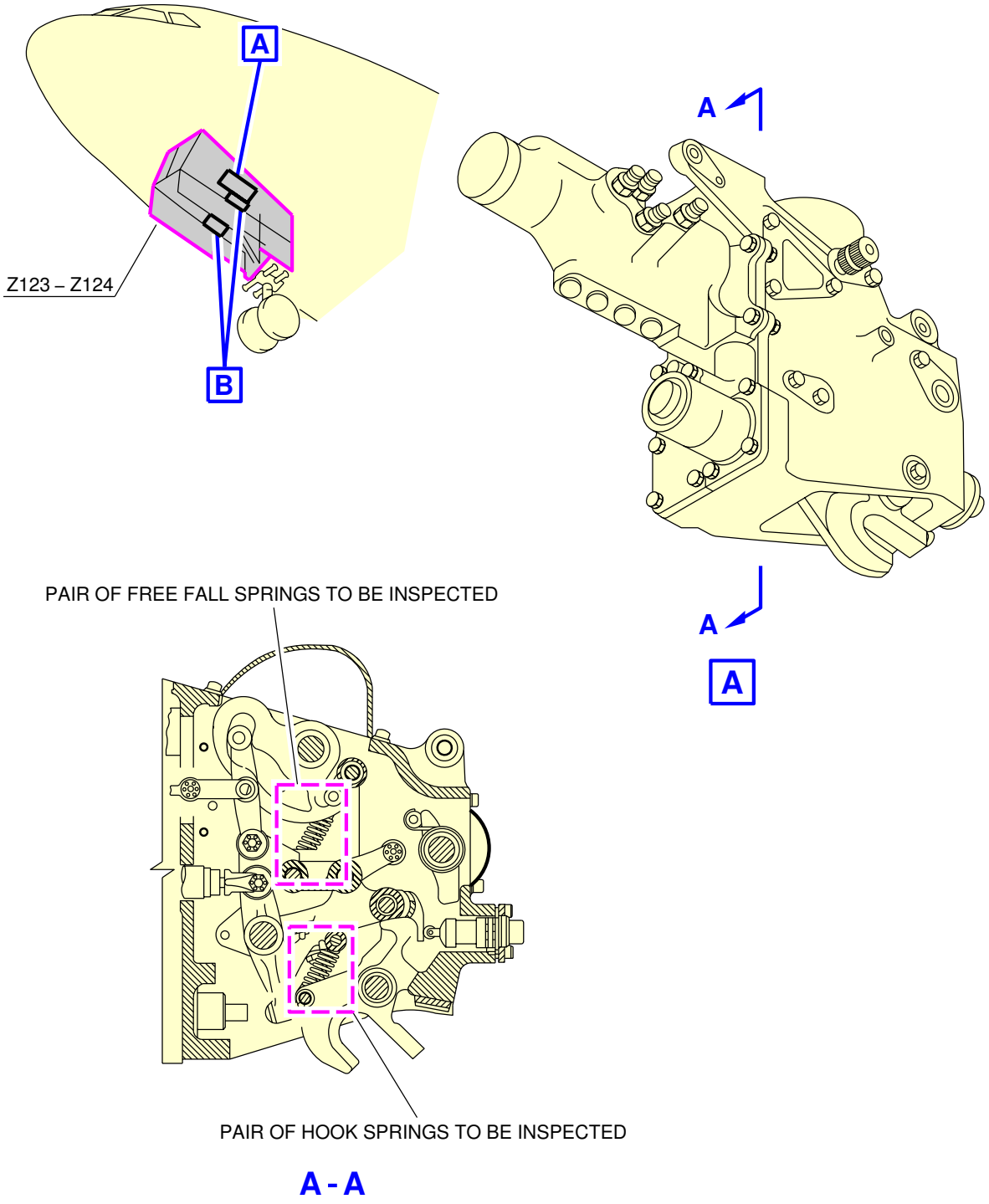


Figure A-FBBAA - Sheet 01
Area to be Inspected

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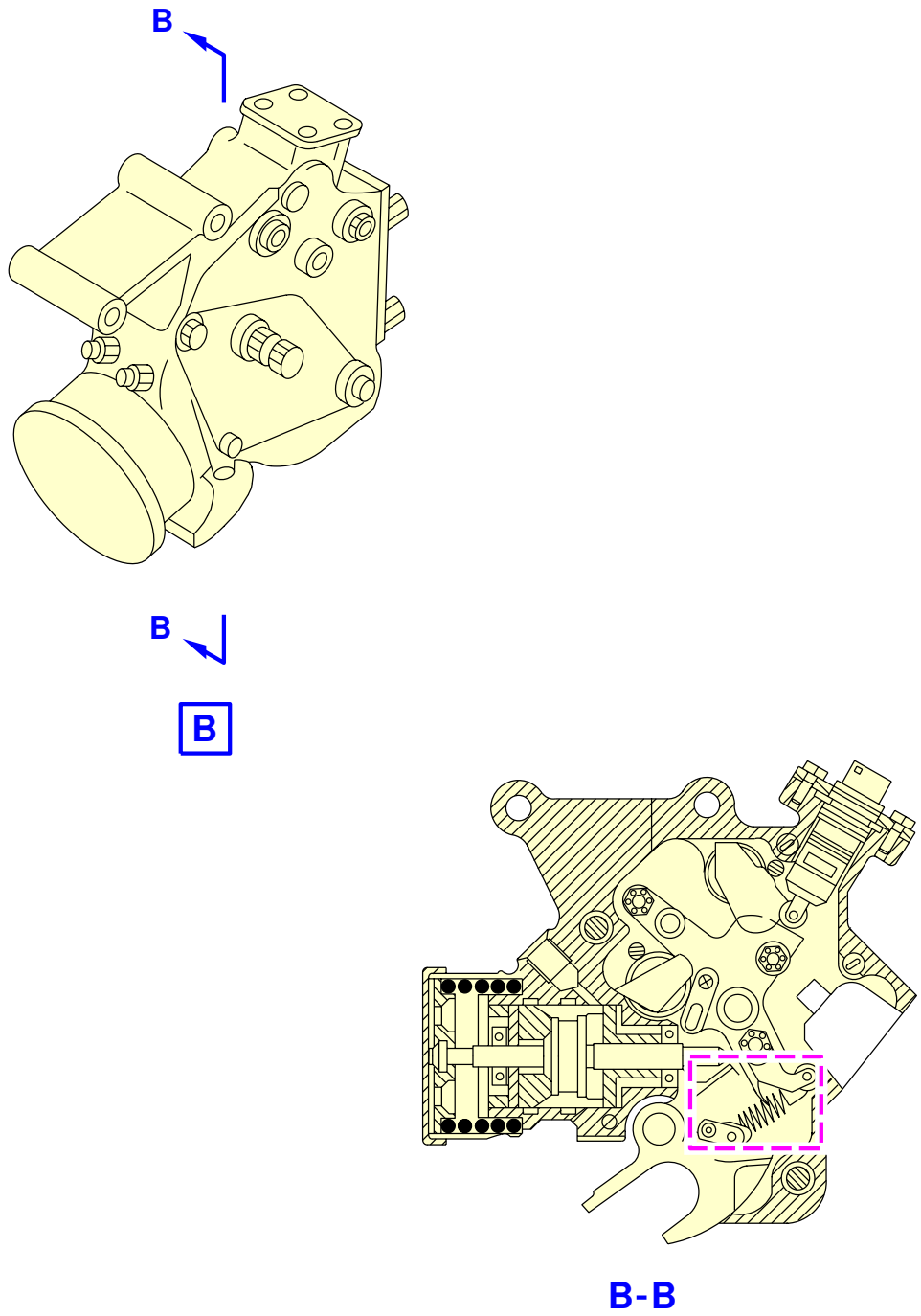
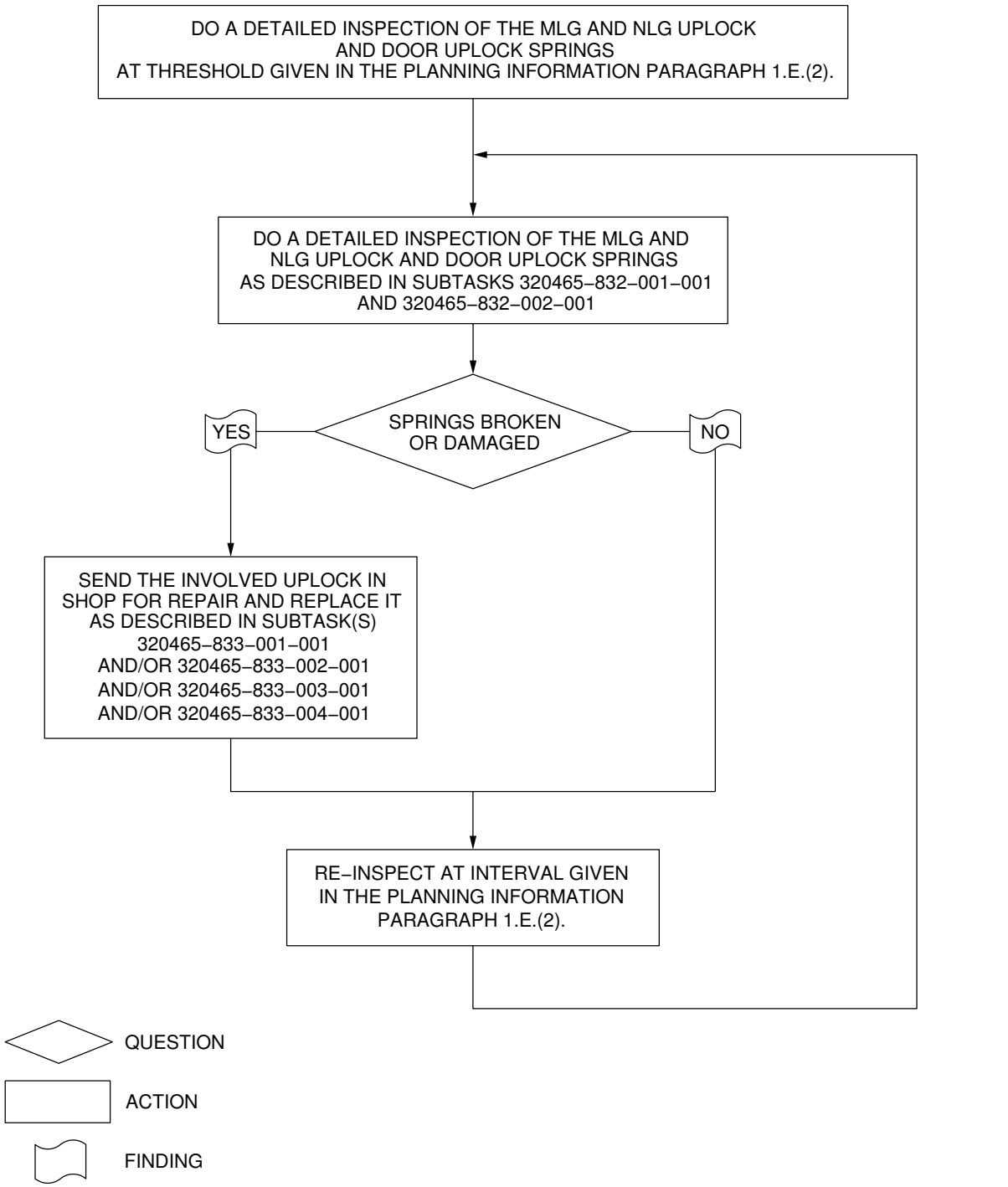


Figure A-FBBAA - Sheet 02
Area to be Inspected

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**CONF ALL



A_SB_320465_5_FAAA_01_01

Figure A-FFAAA - Sheet 01
Flow Chart

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****CONF ALL**

The results of the inspection, including no findings, replacement or actions to be done, must be forwarded to airbus dept. SEEL3, on the attached inspection report.

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**CONF ALL

INSPECTION REPORT

SERVICE BULLETIN No. : A300–32–0465	RETURN TO :
A/C MSN :	AIRBUS CUSTOMER SERVICES ENGINEERING – SEEL3 LANDING GEAR SYSTEMS A330/A340 & WIDE BODY 1 ROND POINT MAURICE BELLONTE 31707 BLAGNAC CEDEX FRANCE FAX +33 (0)5 61 36 14
FLIGHT CYCLES :	
FLIGHT HOURS :	
DATE OF INSPECTION :	
INSPECTION METHOD :	

QUESTIONS / UPLOCKS	SPRINGS BROKEN OR DAMAGED	UPLOCK REPLACED	WHICH SPRING ? (FREE FALL, HOOK, LEVER)
MLG UPLOCK	YES ☐ NO ☐	YES ☐ NO ☐	
MLG DOOR UPLOCK	YES ☐ NO ☐	YES ☐ NO ☐	
NLG UPLOCK	YES ☐ NO ☐	YES ☐ NO ☐	
NLG DOOR UPLOCK	YES ☐ NO ☐	YES ☐ NO ☐	

A_SB_320465_5_RAAA_01_02

Figure A-FRAAA - Sheet 01
Inspection Report

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A300

SERVICE BULLETIN
REPORTING SHEET

TITLE: LANDING GEAR - NORMAL EXTENSION AND RETRACTION - INSPECTION OF UPLOCK SPRINGS

MODIFICATION No.: None

Please complete the appropriate item (A or B):
A - SB WILL BE embodied YES/NO (if NO please comment)
If YES, aircraft concerned (as per SB effectivity by default) and planned dates (month/year) of embodiment:

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:
Name/Title:
Signature: Date:

If operational documentation is affected (see Paragraph 1.K of this SB): If information is needed prior to next normal revision or prior to SB embodiment, please indicate required service(s):
Either: Modification Operational Impact (MOI), if available YES/NO
Or : Intermediate revision YES/NO

Important Information: This SB will only be incorporated in your maintenance and operational documentation if this sheet is returned to Airbus and signed by a duly authorised representative. With the next feasible revision, this will result in

- Updating of maintenance documentation to show pre and post SB data.
- Updating of maintenance and operational documentation to show post SB data after embodiment.

If this SB requires previous or simultaneous accomplishment of other SBs, Airbus shall automatically include them in the manual revisions. Refer to SIL 00-037 for detailed information.

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- Quality rating of the Accomplishment Instructions	4	3	2	1
- Quality rating of the Illustrations	4	3	2	1
- Is this SB easy to understand ?	Y / N			

If you have had difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

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X	Effectivity	X	Kit content	X	Preparation
X	Reason	X	List of Materials Operator Supplied	X	Mod/Inspection
X	Manpower	X	Industry support	X	Test
X	References	X	Re-identification	X	Close-Up
X	Publication	X	Tooling	X	Illustrations

Comments:

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