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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 32

TITLE: LANDING GEAR - NOSE LANDING GEAR (NLG) - LOWER TORQUE LINKS MISSING BRIGHT SHOT PEENING

MODIFICATION No.:

None

ATA SYSTEM: 32

TITLE: LANDING GEAR - NOSE LANDING GEAR (NLG) - LOWER TORQUE LINKS MISSING BRIGHT SHOT PEENING

REVISION TRANSMITTAL SHEET

This page transmits Revision No. 01 of Service Bulletin No. A350-32-P057.

A. ADDITIONAL WORK

No additional work is required by this revision.

B. REASON

Revision No. 01 issued to add a note related to review of maintenance records is an acceptable means to check NLG lower torque link PN and SN in the procedural task.

NOTE: This revision satisfies the requirements of the subsequent Repair and Design Approval Form (RDAF) issued for the related Manufacturer Serial Number (MSN)s.

RDAF	MSN
81475987/013/2024	0290, 0315, 0330, 0342 and 0388
81482777/007/2024	0270, 0283, 0285, 0308, 0323 and 0338

C. CHANGES

SERVICE BULLETIN	
General	Task set titles updated.
SUMMARY	
GENERAL EVALUATION	Potential AD changed from NO to YES.
APPLICABILITY	Operators updated.
GENERAL OVERVIEW	
Fig.SA Sol.AA General Overview	Figure revised to update the phrasing.
PLANNING INFORMATION	
APPLICABILITY	Applicability updated.
DESCRIPTION	
Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component	Task title updated.
MANPOWER	
Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component	Task title updated.
ACCOMPLISHMENT INSTRUCTIONS	
Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component	Notes updated without technical impact.

PREPARATION	
A350-A-32-XX-P057-01001-540A-A Job Set-up	Note updated without technical impact.
PROCEDURE	
A350-A-32-XX-P057-01001-311A-A Inspect the PN and SN on the NLG Lower Torque Link	- Task title and procedural steps updated - Notes added.
Fig.FA Sol.AA Flowchart	- Note updated without technical impact - word "identify" changed to "Inspect".
CLOSE-UP	
A350-A-32-XX-P057-01001-740A-A Close-up	Note and sentence updated without technical impact.
ADMINISTRATIVE	
A350-A-32-XX-P057-01001-90AA-A Administrative	Sentence updated without technical impact.
Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component	Notes updated without technical impact.
PREPARATION	
A350-A-32-XX-P057-02001-540A-A Job Set-up	Note updated without technical impact.
PROCEDURE	
A350-A-32-XX-P057-01001-920A-A Replace the NLG Lower Torque Link	Procedural steps updated.
CLOSE-UP	
A350-A-32-XX-P057-02001-740A-A Close-up	Sentence updated without technical impact.
ADMINISTRATIVE	
A350-A-32-XX-P057-02001-90AA-A Administrative	Sentence updated without technical impact.
APPENDIX	
LIST OF THE AFFECTED PN AND SN OF NLG LOWER TORQUE LINK	
Fig.AA Sol.AA List of the Affected PN and SN of NLG Lower Torque Link	Appendix table title updated.
LIFE LIMITATIONS OF THE AFFECTED NLG LOWER TORQUE LINK	
Fig.AB Sol.AA Life Limitations of the Affected NLG Lower Torque Link	- Appendix table title updated - FIN updated from "5011GN" to "6010GN".

D. FILING 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.

E. HISTORY OF PREVIOUS REVISIONS

No previous revision

F. REVISION SEQUENCE

ORIGINAL: Sep 30/24

REVISION No. : 01 - Dec 12/24

ATA SYSTEM: 32

TITLE: LANDING GEAR - NOSE LANDING GEAR (NLG) - LOWER TORQUE LINKS MISSING BRIGHT SHOT PEENING

SUMMARY

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

A. MODIFICATIONS

MODIFICATION CLASSIFICATION	
MAJOR	None
MINOR	None

NOTE: As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

B. REASON

(1) History

During initial production of the Entry Into Service (EIS) standard NLG, some lower torque links (Part Number (PN) 5035-0401) were manufactured without bright shot peening. The omission of bright shot peening may reduce the life limitation of the component, depending on which aircraft weight variant and NLG standard the component is installed on.

(2) Objective/Action

The objective of this Inspection Service Bulletin (ISB) is to give the required information for the operators to be able to determine for each affected lower torque link the new life limitation.

(3) Advantages

The accomplishment of this ISB ensures that the right life for the affected torque link and therefore ensure to not exceed the correct life limitation.

(4) Operational/Maintenance Consequences

None

C. GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	MANDATORY	COST SAVING	NO
A/C OPERATION AFFECTED	NO	VENDOR SB	NO
CANCELS INSPECTION SB	NO	ETOPS AFFECTED	NO
PAX COMFORT AFFECTED	NO	POTENTIAL AD	YES
RELIABILITY AFFECTED	NO	STRUCTURAL LIFE EXTENSION	NO
LIFE LIMIT	NO	LINE MAINTENANCE AFFECTED	NO

NOTE: Service Bulletin must be accomplished.

D. MAINTENANCE CONFIGURATION

No specific aircraft maintenance configuration required.

E. MATERIAL PRICE INFORMATION

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

No material

(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

No material

F. APPLICABILITY

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

AAR AFL AFR AIC BAW CAL CCA CES CPA CSC CSN DAL DLH EDW ETD ETH EVE FBU FIN FJI FWI GAF HVN IBE ITY JAL KAY MAS MAU PAL QTR SAS SIA SJX THA THY VIR WFL

G. CONCURRENT REQUIREMENTS

None

H. NATURE OF THE WORK

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

AIRCRAFT	NO
EQUIPMENT	YES

(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

AIRCRAFT	NO
EQUIPMENT	YES

I. MANPOWER

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

MANPOWER	
TOTAL MAN-HOURS	0.75 h
ELAPSED TIME (HOURS)	0.75 h

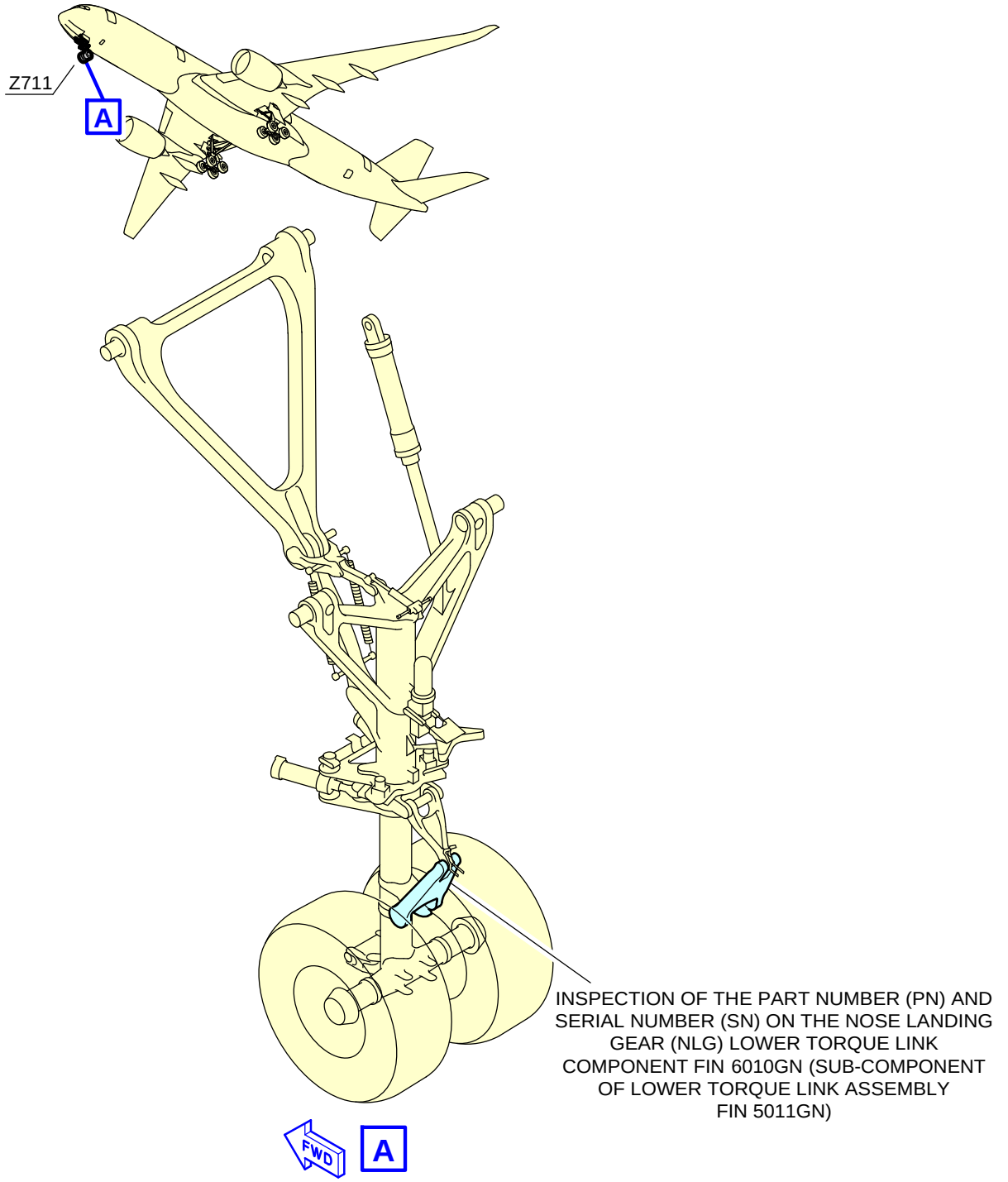
(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

MANPOWER	
TOTAL MAN-HOURS	8.00 h
ELAPSED TIME (HOURS)	4.00 h

J. GENERAL OVERVIEW

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ICN-A350-A-32XXP057-A-FAPE3-07KQ4-A-002-01

Figure ICN-A350-A-32XXP057-A-FAPE3-07KQ4-A-002-01 Fig.SA Sol.AA SHEET 1/1

ATA SYSTEM: 32

TITLE: LANDING GEAR - NOSE LANDING GEAR (NLG) - LOWER TORQUE LINKS MISSING BRIGHT SHOT PEENING

1. PLANNING INFORMATION

A. APPLICABILITY

(1) Models

ON A/C 0065, 0071, 0088, 0102, 0110, 0118, 0125, 0141, 0161, 0169, 0188, 0206, 0215, 0225, 0229, 0233, 0241, 0252, 0258, 0262, 0266, 0274, 0286, 0290, 0296, 0298, 0306, 0315, 0319, 0326, 0330, 0332, 0336, 0340, 0342, 0346, 0350, 0356, 0362, 0368, 0372, 0374, 0380, 0382, 0386, 0388, 0399, 0402, 0409, 0415, 0420, 0424, 0426, 0430, 0432, 0434, 0438, 0440, 0444, 0446, 0473, 0482, 0490, 0492, 0495, 0503, 0507, 0509, 0533, 0539, 0547, 0560, 0563, 0584, 0605, 0609, 0610, 0617, 0623, 0628, 0635, 0639, 0647, 0652, 0655, 0662

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ON A/C 0005-0058, 0060-0064, 0066-0070, 0072-0087, 0089-0101, 0103-0107, 0109, 0111-0117, 0119-0124, 0126-0130, 0132-0138, 0140, 0142-0151, 0153-0155, 0157-0160, 0162-0165, 0167, 0168, 0170, 0172-0187, 0189-0193, 0195-0205, 0207-0214, 0216-0221, 0223, 0224, 0226-0228, 0230-0232, 0234-0240, 0243-0251, 0254-0257, 0259-0261, 0263-0265, 0267-0273, 0276-0285, 0287, 0289, 0291-0295, 0297, 0299-0303, 0305, 0307-0314, 0316, 0318, 0320-0325, 0327-0329, 0331, 0333-0335, 0337-0339, 0341, 0343-0345, 0347-0349, 0351, 0352, 0354, 0355, 0357-0359, 0363-0366, 0369-0371, 0373, 0375, 0376, 0378, 0379, 0381, 0383, 0385, 0387, 0389-0398, 0400, 0401, 0403-0408, 0410-0414, 0416-0419, 0421-0423, 0425, 0427-0429, 0431, 0433, 0435-0437, 0439, 0441-0443, 0445, 0447-0449, 0451-0455, 0457-0460, 0462-0466, 0468-0472, 0474-0476, 0478-0481, 0483-0485, 0487-0489, 0491, 0493, 0494, 0496, 0497, 0499, 0500, 0502, 0504-0506, 0510, 0512, 0516, 0517, 0520, 0524, 0526, 0528, 0530, 0531, 0535-0537, 0540-0546, 0548-0552, 0554, 0556-0559, 0561, 0562, 0564, 0565, 0567-0583, 0585, 0587-0599, 0602-0604, 0607, 0611-0616, 0618, 0619, 0621, 0622, 0624-0627, 0629-0634, 0636-0638, 0640-0646, 0648, 0650, 0651, 0653, 0654, 0656, 0658-0661, 0664-0669, 0671, 0673, 0675, 0677

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(2) Applicability by MSN

0005-0058 0060-0107 0109-0130 0132-0138 0140-0151 0153-0155 0157-0165 0167-0170 0172-0193 0195-0221 0223-0241 0243-0252 0254-0274 0276-0287 0289-0303 0305-0316 0318-0352 0354-0359 0362-0366 0368-0376 0378-0383 0385-0449 0451-0455 0457-0460 0462-0466 0468-0476 0478-0485 0487-0497 0499 0500 0502-0507 0509 0510 0512 0516 0517 0520 0524 0526 0528 0530 0531 0533 0535-0537 0539-0552 0554 0556-0565 0567-0585 0587-0599 0602-0605 0607 0609-0619 0621-0648 0650-0656 0658-0662 0664-0669 0671 0673 0675 0677

(3) MSN by configuration

MSN	CONFIGURATION
0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0033 0034 0035 0036 0037 0038 0039 0040 0041 0042 0043 0044 0045 0046 0047 0048 0049 0050 0051 0052 0053 0054 0055 0056 0057 0058 0060 0061 0062 0063 0064 0065 0066 0067 0068 0069 0070 0071 0072 0073 0074 0075 0076 0077 0078 0079 0080 0081 0082 0083 0084 0085 0086 0087 0088 0089 0090 0091 0092 0093	001

MSN	CONFIGURATION
0094 0095 0096 0097 0098 0099 0100 0101 0102 0103 0104 0105 0106 0107 0109 0110 0111 0112 0113 0114 0115 0116 0117 0118 0119 0120 0121 0122 0123 0124 0125 0126 0127 0128 0129 0130 0132 0133 0134 0135 0136 0137 0138 0140 0141 0142 0143 0144 0145 0146 0147 0148 0149 0150 0151 0153 0154 0155 0157 0158 0159 0160 0161 0162 0163 0164 0165 0167 0168 0169 0170 0172 0173 0174 0175 0176 0177 0178 0179 0180 0181 0182 0183 0184 0185 0186 0187 0188 0189 0190 0191 0192 0193 0195 0196 0197 0198 0199 0200 0201 0202 0203 0204 0205 0206 0207 0208 0209 0210 0211 0212 0213 0214 0215 0216 0217 0218 0219 0220 0221 0223 0224 0225 0226 0227 0228 0229 0230 0231 0232 0233 0234 0235 0236 0237 0238 0239 0240 0241 0243 0244 0245 0246 0247 0248 0249 0250 0251 0252 0254 0255 0256 0257 0258 0259 0260 0261 0262 0263 0264 0265 0266 0267 0268 0269 0270 0271 0272 0273 0274 0276 0277 0278 0279 0280 0281 0282 0283 0284 0285 0286 0287 0289 0290 0291 0292 0293 0294 0295 0296 0297 0298 0299 0300 0301 0302 0303 0305 0306 0307 0308 0309 0310 0311 0312 0313 0314 0315 0316 0318 0319 0320 0321 0322 0323 0324 0325 0326 0327 0328 0329 0330 0331 0332 0333 0334 0335 0336 0337 0338 0339 0340 0341 0342 0343 0344 0345 0346 0347 0348 0349 0350 0351 0352 0354 0355 0356 0357 0358 0359 0362 0363 0364 0365 0366 0368 0369 0370 0371 0372 0373 0374 0375 0376 0378 0379 0380 0381 0382 0383 0385 0386 0387 0388 0389 0390 0391 0392 0393 0394 0395 0396 0397 0398 0399 0400 0401 0402 0403 0404 0405 0406 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0417 0418 0419 0420 0421 0422 0423 0424 0425 0426 0427 0428 0429 0430 0431 0432 0433 0434 0435 0436 0437 0438 0439 0440 0441 0442 0443 0444 0445 0446 0447 0448 0449 0451 0452 0453 0454 0455 0457 0458 0459 0460 0462 0463 0464 0465 0466 0468 0469 0470 0471 0472 0473 0474 0475 0476 0478 0479 0480 0481 0482 0483 0484 0485 0487 0488 0489 0490 0491 0492 0493 0494 0495 0496 0497 0499 0500 0502 0503 0504 0505 0506 0507 0509 0510 0512 0516 0517 0520 0524 0526 0528 0530 0531 0533 0535 0536 0537 0539 0540 0541 0542 0543 0544 0545 0546 0547 0548 0549 0550 0551 0552 0554 0556 0557 0558 0559 0560 0561 0562 0563 0564 0565 0567 0568 0569 0570 0571 0572 0573 0574 0575 0576 0577 0578 0579 0580 0581 0582 0583 0584 0585 0587 0588 0589 0590 0591 0592 0593 0594 0595 0596 0597 0598 0599 0602 0603 0604 0605 0607 0609 0610 0611 0612 0613 0614 0615 0616 0617 0618 0619 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0650 0651 0652 0653 0654 0655 0656 0658 0659 0660 0661 0662 0664 0665 0666 0667 0668 0669 0671 0673 0675 0677	

(4) Configuration definition

Configuration 001

CONF 001 is applicable for all the aircraft affected by this Service Bulletin as a standard configuration.

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

During initial production of the Entry Into Service (EIS) standard NLG, some lower torque links (Part Number (PN) 5035-0401) were manufactured without bright shot peening. The omission of bright shot peening may reduce the life limitation of the component, depending on which aircraft weight variant and NLG standard the component is installed on.

(2) Objective/Action

The objective of this Inspection Service Bulletin (ISB) is to give the required information for the operators to be able to determine for each affected lower torque link the new life limitation.

(3) Advantages

The accomplishment of this ISB ensures that the right life for the affected torque link and therefore ensure to not exceed the correct life limitation.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to:

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

1 Inspect the PN and SN on the NLG Lower Torque Link

(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

1 Replace the NLG Lower Torque Link

E. COMPLIANCE

(1) Classification

MANDATORY: Service Bulletin must be accomplished.

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin must be done within a maximum of 30 days from the initial issue date of the ISB.

This Service Bulletin has been classified Mandatory. It is expected that an Airworthiness Directive (AD) published by the European Union Aviation Safety Agency (EASA) will be issued to confirm this classification. It is anticipated that the AD will confirm the thresholds and/or interval 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 the Design Organisation Approval ref. EASA.21J.031.

If an aircraft listed in the applicability 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.

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

PREPARATION		
Job Set-up	0.25 h	
PROCEDURE		
Inspect the PN and SN on the NLG Lower Torque Link	0.25 h	
PREPARATION FOR TEST		
None		
TEST		
None		
CLOSE-UP		
Close-up	0.25 h	
TOTAL MAN-HOURS	0.75 h	
ELAPSED TIME (HOURS)	0.75 h	

(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

PREPARATION		
Job Set-up	1.00 h	
PROCEDURE		
Replace the NLG Lower Torque Link	2.00 h	
PREPARATION FOR TEST		
None		
TEST		
Clearance Check	4.00 h	
CLOSE-UP		
Close-up	1.00 h	
TOTAL MAN-HOURS	8.00 h	

ELAPSED TIME (HOURS)	4.00 h

H. WEIGHT AND BALANCE

Not changed

I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

(1) Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

AIRWORTHINESS LIMITATION SECTION (ALS)
Part 1

ELECTRICAL STANDARD PRACTICES (ESP)
A350-A-20-55-XX-01ZZZ-042Z-A

INTRODUCTION (INTRO)
A350-A-00-61-04-11ZZZ-018Z-D

MAINTENANCE PROCEDURE (MP)
A350-A-24-41-XX-00ZZZ-170Z-A

SYSTEM DESCRIPTION (SD)
A350-A-06-3X-XX-01ZZZ-04CZ-A

(2) Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

(a) Task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

ELECTRICAL STANDARD PRACTICES (ESP)
A350-A-20-55-XX-01ZZZ-042Z-A

INTRODUCTION (INTRO)
A350-A-00-61-04-11ZZZ-018Z-D

MAINTENANCE PROCEDURE (MP)	
A350-A-24-41-XX-00ZZZ-170Z-A	A350-A-32-21-69-00ZZZ-520Z-A A350-A-32-21-69-00ZZZ-720Z-A

SYSTEM DESCRIPTION (SD)
A350-A-06-3X-XX-01ZZZ-04CZ-A

K. PUBLICATION AFFECTED

None

L. INDUSTRY SUPPORT INFORMATION

This Service Bulletin is the subject of an AIRBUS monitored retrofit campaign. For detailed support, please refer to the related RIL V32M24001635.

For the organization of this retrofit, you are kindly requested to contact AIRBUS retrofit management department: monitored.retrofit@airbus.com.

2. MATERIAL INFORMATION

A. MATERIAL APPLICABILITY

No material for task set A350-A-32-XX-P057-01000-93BA-A Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

Material for task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

MATERIAL	QTY	SEE NOTES
Referenced tools	See SB	
Referenced consumables	See SB	
Referenced parts	See SB	

B. TOOLING

Referenced tools for task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

To accomplish this Service Bulletin it is necessary to use the tools listed in:

Ref. MP A350-A-32-21-69-00ZZZ-520Z-A

Ref. MP A350-A-32-21-69-00ZZZ-720Z-A

C. CONSUMABLES

Referenced consumables for task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

To accomplish this Service Bulletin it is necessary to use the consumable materials listed in:

Ref. MP A350-A-32-21-69-00ZZZ-720Z-A

D. LIST OF NEW PARTS

Referenced parts for task set A350-A-32-XX-P057-01000-93AA-A Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

To accomplish this Service Bulletin it is necessary to use the expendable parts listed in:

Ref. MP A350-A-32-21-69-00ZZZ-720Z-A

E. LIST OF EXISTING PARTS

No parts

3. ACCOMPLISHMENT INSTRUCTIONS

Task set A350-A-32-XX-P057-01000-93BA-A (A350-A-32-XX-P057-01ZZZ-93BZ-A)
Inspection of the PN and Serial Number (SN) on the NLG Lower Torque Link Component

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 A 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.
IF THERE IS CONTAMINATION, REFER TO Ref. ESP A350-A-20-55-XX-01ZZZ-042Z-A.

NOTE: Section 3. includes procedures given in other documents or in other sections of this Service Bulletin.
- You must obey the given procedure when the words "in accordance with" are used.
- You can use an accepted alternative procedure only when the words "refer to" are used and you have a procedure that is accepted by the related local authority.

NOTE: To add flexibility to your maintenance operations you can select to ignore steps or add steps from paragraphs 3.B., 3.D., and 3.F. of section 3. as long as:
- you can do paragraphs 3.C. and 3.E.,
- and the technical intent of the Service Bulletin is met within the set parameters,
- and you can put the aircraft back into a serviceable condition.

NOTE: In section 3., the names of the manuals are given with their related acronyms. Refer to the paragraph "1.J., References" for the definition of acronyms.

NOTE: This Service Bulletin is classified Mandatory or expected to be classified Mandatory by an Airworthiness Directive (AD), paragraphs 3.C. and 3.E. of section 3. are Required for Compliance (RC) and you must do them to comply with the AD.

NOTE: This Service Bulletin contains the instructions for the on-aircraft maintenance necessary to ensure the continued airworthiness of the aircraft.
For any deviations from the instructions, including the Required for Compliance (RC) paragraphs contained in this Service Bulletin, contact AIRBUS for further instructions and approval.

NOTE: The flowcharts supplement the information given in paragraphs "3.C. PROCEDURE" and "1.E. COMPLIANCE". The flowcharts are not the primary source for the tasks or the compliance times given in this Service Bulletin.

A. TASK SET ASSOCIATED INFORMATION

Task Manpower

TOTAL MAN-HOURS	0.75 h
ELAPSED TIME (HOURS)	0.75 h

B. PREPARATION

(1) Task A350-A-32-XX-P057-01001-540A-A (A350-A-32-XX-P057-01ZZZ-540Z-A)
Job Set-up

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	0.25 h
Minimum Number of person	1
Elapsed Time	0.25 h

Referenced Information

Manuals/Drawings	References/Sheets
INTRO	A350-A-00-61-04-11ZZZ-018Z-D
MP	A350-A-24-41-XX-00ZZZ-170Z-A

Procedure

NOTE: For the basic aircraft configuration, refer to Ref. INTRO A350-A-00-61-04-11ZZZ-018Z-D “Maintenance Procedure - Introduction”.

(a) Make sure that the aircraft is electrically grounded, refer to Ref. MP A350-A-24-41-XX-00ZZZ-170Z-A.

C. PROCEDURE

(1) Task A350-A-32-XX-P057-01001-311A-A (A350-A-32-XX-P057-01ZZZ-311Z-A) Inspect the PN and SN on the NLG Lower Torque Link

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
711	

Manpower/Resources/Skills

Man-hours	0.25 h
Minimum Number of person	1
Elapsed Time	0.25 h

Referenced Information

Manuals/Drawings	References/Sheets
SD	A350-A-06-3X-XX-01ZZZ-04CZ-A
ALS	Part 1

Procedure

Ref. Fig.BA Inspection of the PN and SN on the NLG Lower Torque Link and Ref. Fig.FA Flowchart.

(a) Standard Practice given in this procedure:

1 For identification of zones, refer to Ref. SD A350-A-06-3X-XX-01ZZZ-04CZ-A.

(b) Inspect the PN and SN of NLG lower torque link component (FIN 6010GN) (sub-component of lower torque link assembly (FIN 5011GN)):

NOTE: The review of maintenance records (technical logbook, maintenance information system, Authorised Release Certificate (ARC): for example, Federal Aviation Administration (FAA) Form 8130, other certificate(s)) is an acceptable means to check NLG lower torque link PN and SN.

NOTE: The PN and SN are etched on the component to the left of the torque link assembly label and will either be 5035-0401 or 5035-0411.
The SN starts with ZG followed by a set of numerical values and is found below the PN.

1 If the NLG lower torque link PN and SN is listed in accordance with Ref. Appendix LIST OF THE AFFECTED PN AND SN OF NLG LOWER TORQUE LINK:

a Do a check of the new life limitation of the affected NLG lower torque link in accordance with Ref. Appendix LIFE LIMITATIONS OF THE AFFECTED NLG LOWER TORQUE LINK.

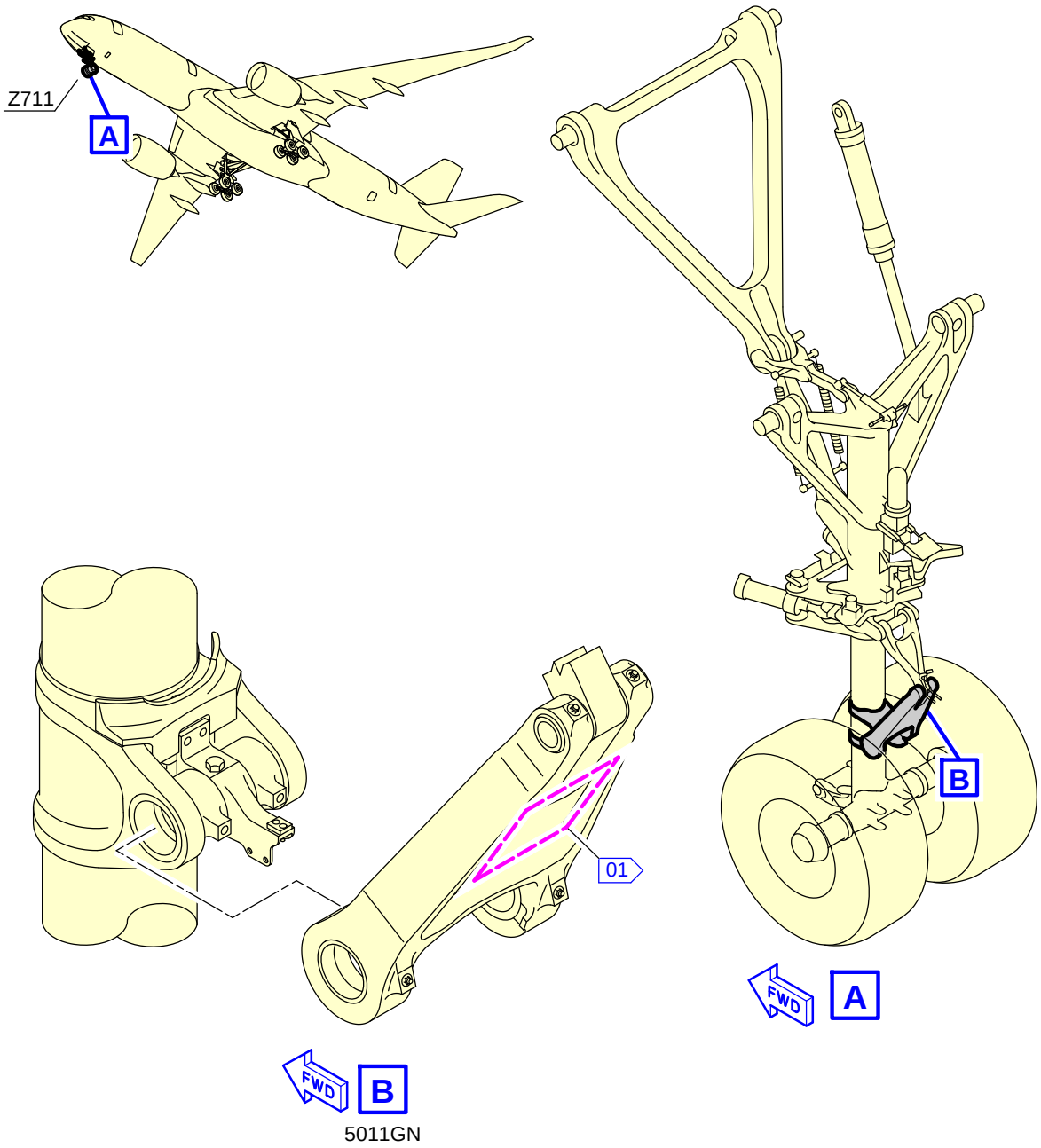
b Replace the affected NLG lower torque link component at or prior to whichever of the life limitations occurs first in accordance with Ref. Task A350-A-32-XX-P057-01ZZZ-920Z-A.

NOTE: If a part has been moved between aircrafts or Weight Variants (WV), determine the remaining life of the part.

2 If the NLG lower torque link PN and SN is not listed in accordance with Ref. Appendix LIST OF THE AFFECTED PN AND SN OF NLG LOWER TORQUE LINK:

a Refer to Ref. ALS Part 1 for life limitations.

CONF ALL



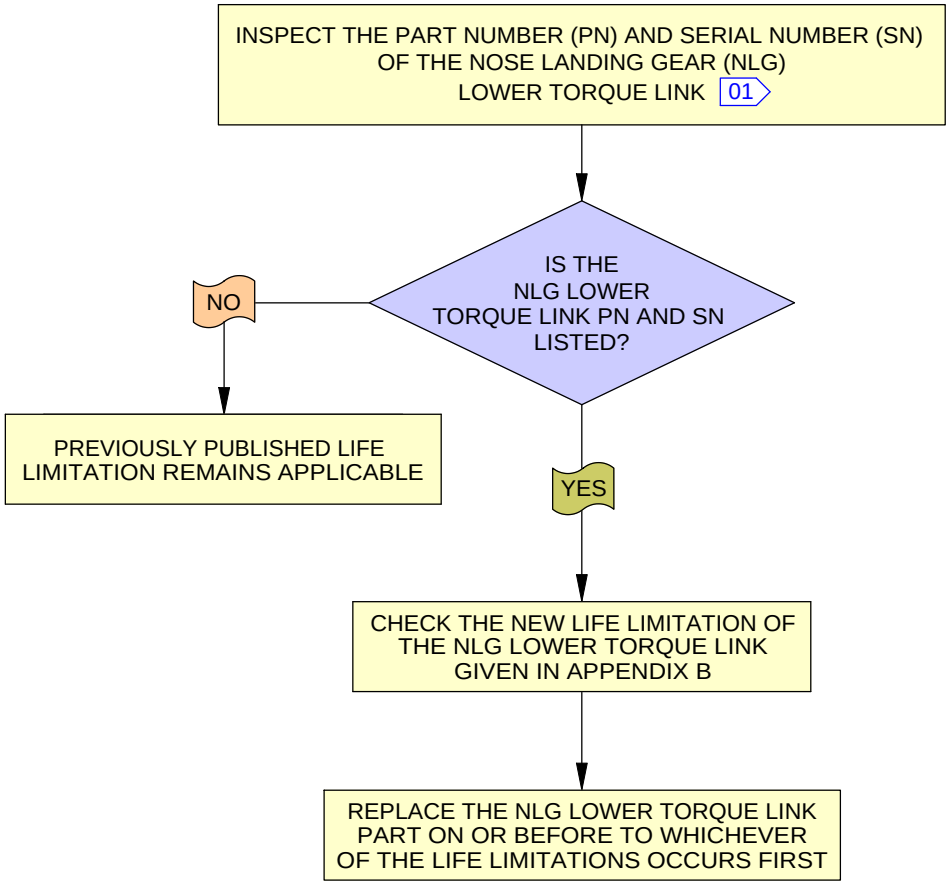
NOTE:

01 INSPECT THE SERIAL NUMBER (SN) AND PART NUMBER (PN) ON THE NOSE LANDING GEAR (NLG) LOWER TORQUE LINK.

ICN-A350-A-32XXP057-A-FAPE3-07KWK-A-001-01

Figure ICN-A350-A-32XXP057-A-FAPE3-07KWK-A-001-01 Fig.BA Sol.AA SHEET 1/1

CONF ALL



NOTE:

01 FOR THE ACCOMPLISHMENT TIMESCALE, REFER TO PARAGRAPH 1.E.(2).

THE FLOWCHARTS SUPPLEMENT THE INFORMATION GIVEN IN PARAGRAPHS "3.C. PROCEDURE" AND "1.E. COMPLIANCE". THE FLOWCHARTS ARE NOT THE PRIMARY SOURCE FOR THE TASKS OR THE COMPLIANCE TIMES GIVEN IN THIS SERVICE BULLETIN.

ICN-A350-A-32XXP057-A-FAPE3-07KQ0-A-004-01

Figure ICN-A350-A-32XXP057-A-FAPE3-07KQ0-A-004-01 Fig.FA Sol.AA SHEET 1/1

D. PREPARATION FOR TEST

None

E. TEST

None

F. CLOSE-UP

(1) Task A350-A-32-XX-P057-01001-740A-A (A350-A-32-XX-P057-01ZZZ-740Z-A) Close-up

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	0.25 h
Minimum Number of person	1
Elapsed Time	0.25 h

Procedure

NOTE: If you intend to accomplish a related Repair Task during the same layover period, the Close-up procedure below is not necessary.

(a) Make sure that the work area is clean and clear of tools and other items.

(b) Put the aircraft back to its initial configuration.

G. ADMINISTRATIVE

(1) Task A350-A-32-XX-P057-01001-90AA-A (A350-A-32-XX-P057-01ZZZ-90AZ-A) Administrative

Procedure

Confirm in the applicable aircraft records that you completed all the work specified in this Service Bulletin.

Task set A350-A-32-XX-P057-01000-93AA-A (A350-A-32-XX-P057-01ZZZ-93AZ-A)
Depending on the Inspection Result, Replace the NLG Lower Torque Link Component

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 A 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.
IF THERE IS CONTAMINATION, REFER TO Ref. ESP A350-A-20-55-XX-01ZZZ-042Z-A.

NOTE: Section 3. includes procedures given in other documents or in other sections of this Service Bulletin.
- You must obey the given procedure when the words "in accordance with" are used.
- You can use an accepted alternative procedure only when the words "refer to" are used and you have a procedure that is accepted by the related local authority.

NOTE: To add flexibility to your maintenance operations you can select to ignore steps or add steps from paragraphs 3.B., 3.D., and 3.F. of section 3. as long as:
- you can do paragraphs 3.C. and 3.E.,
- and the technical intent of the Service Bulletin is met within the set parameters,
- and you can put the aircraft back into a serviceable condition.

NOTE: In section 3., the names of the manuals are given with their related acronyms. Refer to the paragraph "1.J., References" for the definition of acronyms.

NOTE: This Service Bulletin is classified Mandatory or expected to be classified Mandatory by an Airworthiness Directive (AD), paragraphs 3.C. and 3.E. of section 3. are Required for Compliance (RC) and you must do them to comply with the AD.

NOTE: This Service Bulletin contains the instructions for the on-aircraft maintenance necessary to ensure the continued airworthiness of the aircraft.
For any deviations from the instructions, including the Required for Compliance (RC) paragraphs contained in this Service Bulletin, contact AIRBUS for further instructions and approval.

NOTE: The management of the removed parts that are identified with "discard" is the responsibility of the operator and must be done in accordance with the applicable local regulations.

A. TASK SET ASSOCIATED INFORMATION

Task Manpower

TOTAL MAN-HOURS	8.00 h
ELAPSED TIME (HOURS)	4.00 h

B. PREPARATION

(1) Task A350-A-32-XX-P057-02001-540A-A (A350-A-32-XX-P057-02ZZZ-540Z-A) Job Set-up

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	1.00 h
Minimum Number of person	2
Elapsed Time	0.50 h

Referenced Information

Manuals/Drawings	References/Sheets
INTRO	A350-A-00-61-04-11ZZZ-018Z-D
MP	A350-A-24-41-XX-00ZZZ-170Z-A A350-A-32-21-69-00ZZZ-520Z-A

Procedure

NOTE: For the basic aircraft configuration, refer to Ref. INTRO A350-A-00-61-04-11ZZZ-018Z-D “Maintenance Procedure - Introduction”.

(a) Make sure that the aircraft is electrically grounded, refer to Ref. MP A350-A-24-41-XX-00ZZZ-170Z-A.

(b) Do the job set-up procedure as specified in the disconnection or removal of the torque link assemblies of the NLG (FIN 5011GN), refer to Ref. MP A350-A-32-21-69-00ZZZ-520Z-A.

C. PROCEDURE

(1) Task A350-A-32-XX-P057-01001-920A-A (A350-A-32-XX-P057-01ZZZ-920Z-A) Replace the NLG Lower Torque Link

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
711	

Manpower/Resources/Skills

Man-hours	2.00 h
Minimum Number of person	2
Elapsed Time	1.00 h

Referenced Information

Manuals/Drawings	References/Sheets
SD	A350-A-06-3X-XX-01ZZZ-04CZ-A

Procedure

(a) Standard Practice given in this procedure:

1 For identification of zones, refer to Ref. SD A350-A-06-3X-XX-01ZZZ-04CZ-A.

(b) Replace the affected NLG lower torque link component (FIN 6010GN) (sub-component of lower torque link assembly (FIN 5011GN)):

1 Remove and discard the NLG lower torque link component (FIN 6010GN) (sub-component of lower torque link assembly (FIN 5011GN)).

2 Install the new NLG lower torque link component or part with sufficient usable life (FIN 6010GN) (sub-component of lower torque link assembly (FIN 5011GN)).

D. PREPARATION FOR TEST

None

E. TEST

(1) Task A350-A-32-XX-P057-01001-361A-A (A350-A-32-XX-P057-01ZZZ-361Z-A) Clearance Check

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	4.00 h
Minimum Number of person	2
Elapsed Time	2.00 h

Referenced Information

Manuals/Drawings	References/Sheets
MP	A350-A-32-21-69-00ZZZ-720Z-A

Procedure

(a) Do the clearance check as specified in the connection or installation of the torque link assemblies of the NLG (FIN 5011GN), refer to Ref. MP A350-A-32-21-69-00ZZZ-720Z-A.

F. CLOSE-UP

(1) Task A350-A-32-XX-P057-02001-740A-A (A350-A-32-XX-P057-02ZZZ-740Z-A) Close-up

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	1.00 h
Minimum Number of person	2
Elapsed Time	0.50 h

Referenced Information

Manuals/Drawings	References/Sheets
MP	A350-A-32-21-69-00ZZZ-720Z-A

Procedure

(a) Make sure that the work area is clean and clear of tools and other items.

(b) Do the close-up procedure as specified in the connection or installation of the torque link assemblies of the NLG (FIN 5011GN), refer to Ref. MP A350-A-32-21-69-00ZZZ-720Z-A.

(c) Put the aircraft back to its initial configuration.

G. ADMINISTRATIVE

(1) Task A350-A-32-XX-P057-02001-90AA-A (A350-A-32-XX-P057-02ZZZ-90AZ-A) Administrative

Procedure

Confirm in the applicable aircraft records that you completed all the work specified in this Service Bulletin.

APPENDIX

A. LIST OF THE AFFECTED PN AND SN OF NLG LOWER TORQUE LINK

List of the Affected PN and SN of NLG Lower Torque Link

For the list of affected PN and SN of NLG lower torque link, refer to the next page(s).

CONF ALL

AFFECTED NOSE LANDING GEAR (NLG) LOWER TORQUE LINK COMPONENT		
PART NUMBER (PN)	**SERIAL NUMBER (SN)**	
5035-0401	ZG23	ZG41
	ZG24	ZG42
	ZG25	ZG43
	ZG27	ZG46
	ZG28	ZG47
	ZG29	ZG49
	ZG30	ZG51
	ZG33	ZG57
	ZG34	ZG58
	ZG35	ZG60
	ZG36	ZG63
	ZG37	ZG67
	ZG38	ZG68
	ZG39	ZG73

ICN-A350-A-32XXP057-A-FAPE3-07KQ2-A-002-01

Figure ICN-A350-A-32XXP057-A-FAPE3-07KQ2-A-002-01 Fig.AA Sol.AA SHEET 1/1

B. LIFE LIMITATIONS OF THE AFFECTED NLG LOWER TORQUE LINK

Life Limitations of the Affected NLG Lower Torque Link

For the life limitations of affected PN and SN for the NLG Lower Torque Link, refer to the next page(s).

CONF ALL

LIFE LIMITATIONS OF THE AFFECTED NOSE LANDING GEAR (NLG) LOWER TORQUE LINK COMPONENT									
NOMENCLATURE	PART NUMBER (PN)	LIMITATIONS (WHICHEVER OCCURS FIRST)		LIMITATIONS APPLICABILITY					
				A350-9xx					A350-1000
		FLIGHT HOURS (FH)	LANDING (LDG)	WV00x, WV011, 012, 014, 017, 018 AND 019	WV015	WV013	WV010, 016 AND 023	WV020	WV000, 001, 002, 004, 005, 006, 008, 009, 010 AND 011
LOWER TORQUE LINK COMPONENT 6010GN	5035-0401	150000	36000	X					
		140050	33610		X				
		52840	12595	X 01					
		46580	11180		X 01				
		111740	26815				X		
		11850	2845			X 01	X 01	X 01	X 01

NOTE:

"X" IS USED FOR THE A350 AIRCRAFT WEIGHT VARIANTS (WV) WITH RESPECT TO THE APPLICABLE LIFE LIMITATION OF THE NLG LOWER TORQUE LINK.

REFER TO AIRWORTHINESS LIMITATION SECTION (ALS) PART 1 FOR THE MODIFICATION NUMBER FOR EACH WV MODIFICATION TO CONSIDER THE APPLICABILITY FOR AN AIRCRAFT (A/C).

01 THIS LIMITATION APPLIES TO PARTS FITTED TO A350 A/C POST MOD 103627 AND/OR A/C FITTED WITH SLIDING PISTON ASSY PN 64072000-XX.

ICN-A350-A-32XXP057-A-FAPE3-07KQ1-A-003-01

Figure ICN-A350-A-32XXP057-A-FAPE3-07KQ1-A-003-01 Fig.AB Sol.AA SHEET 1/1

Life Limitations of the Affected NLG Lower Torque Link

C. REPORTING SHEET

TITLE:	LANDING GEAR - NOSE LANDING GEAR (NLG) - LOWER TORQUE LINKS MISSING BRIGHT SHOT PEENING

MODIFICATION No.:	None

(1) SB Reporting status

This Service Bulletin will only be incorporated into affected customized Maintenance and Flight Operations Products if it is duly reported to Airbus.

(2) GENERAL information

The SB Reporting policy is published in ISI 00.00.00135. This document provides information regarding: the SB Reporting means and benefits, the update of customized Maintenance Products and customized Flight Operations Products.

If this Service Bulletin has an operational impact, refer to paragraph "Flight Operations Products" for further information on the update of affected Flight Operations Products.

(3) SB Reporting procedure

Standard practice to report SB is to use the online reporting application on AirbusWorld.

Refer to ISI 00.00.00179:

- For complete information on reporting means to Airbus, Question 2 "What are the standard practices for SB Reporting?"
- If this SB requires previous or simultaneous accomplishment of other SBs, Question 3 "What about the reporting of prerequisite Service Bulletins?"

NOTE: ISI 00.00.00179 covers all the frequently asked questions about SB Reporting. It is revised on a regular basis.

D. QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin.

The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletin.

We thank you for the time you have taken in completing this form.

Quality rating of this SB	4	3	2	1
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			

NOTE: Please rate on a scale of 1 to 4, with 4 being the highest score

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

	Planning		Material		Instructions
X	Applicability	X	Tooling	X	Preparation
X	Reason	X	List of Materials Operator Supplied	X	Mod/Inspection
X	Manpower	X	Kit content	X	Test
X	References	X	Re-identification	X	Close-up
X	Publication			X	Illustrations
X	Industry Support				

Comments :

Operator : Date :

Name/Title

Please return this form to :

AIRBUS
2, ROND POINT EMILE DEWOITINE
31700 BLAGNAC
FRANCE

Or via your Resident Customer Support Office.