

GSE & TOOL MANUAL

TITLE	TOOL KIT, PAINTING MASK KIT FOR PITCH LINK
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3G6000G01051 PAINTING MASK
FOR LONGER PITCH LINK



3G6000G01151 PAINTING MASK
FOR SHORTER PITCH LINK



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REVISION HISTORY

REV	CHANGE DESCRIPTION	DATE
A	First issue	04/07/2024

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1. SCOPE

1.1. APPLICABILITY

The contents of this document are meant to provide information on the P/N 3G6000G01231 TOOL KIT, PAINTING MASK KIT FOR PITCH LINK.

1.2. OBJECT

The object of this document is to describe the AGE and its components, its main features and it will also provide all needed maintenance requirements to keep in service the P/N 3G6000G01231 TOOL KIT, PAINTING MASK KIT FOR PITCH LINK.

1.3. WARNING AND SAFETY INSTRUCTIONS

A number of symbols are used throughout this document to indicate information to which the user should pay attention to. These are indicated below along with the specific meaning.




 Warning	Indicates a potentially dangerous situation which might result in severe injuries or even death, if no precautions are taken.
 Caution	Indicates a potentially dangerous situation which might result damage to the equipment.
 Notice	Indicates an information that gives an advice to the operator.

Table 1 – Warning Instruction

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2. DOCUMENTS

2.1. APPLICABLE DOCUMENTS

The following table lists the applicable documents

REF	REFERENCE OF DOCUMENT	TITLE
N.A.	N.A.	N.A.

Table 2 – Applicable Documents

2.2. ACRONYMS USED

The main acronyms used in this document are listed below:

LHD	Leonardo Helicopter Division
HC	Helicopter
P/N	Part Number
S/N	Serial Number
N.A.	Not Applicable

3. DESCRIPTION

This tool is used to paint the arrows and the marks “LENGHTEN”, “SHORTEN”, “L” and “S” on the pitch link.

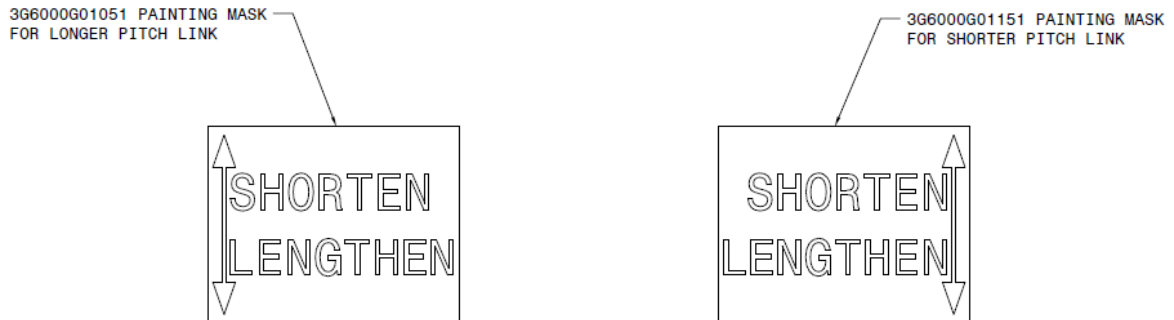


Figure 1 – TOOL KIT, PAINTING MASK KIT FOR PITCH LINK

4. TOP ASSEMBLY DRAWINGS

Refer to P/N 3G6000G01231 TOOL KIT, PAINTING MASK KIT FOR PITCH LINK.

5. IDENTIFICATION

The tool identification P/N is marked on the LHD identification tag.

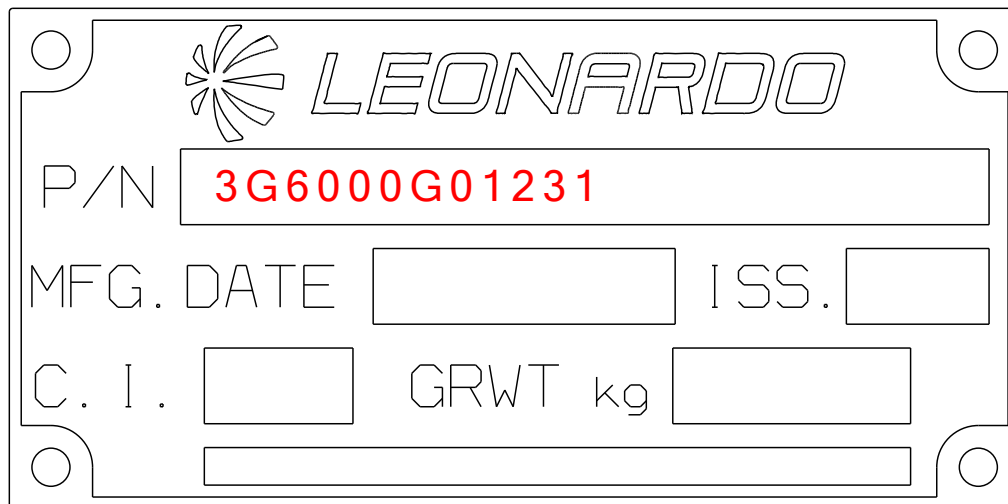


Figure 2 – LHD Identification tag with P/N



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6. OVERALL DIMENSIONS

- Length: 38,5 mm
- Width: 30 mm
- Height: N.A. mm

7. WEIGHT

- Total Weight: 0,1 kg

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8. MAIN PARTS

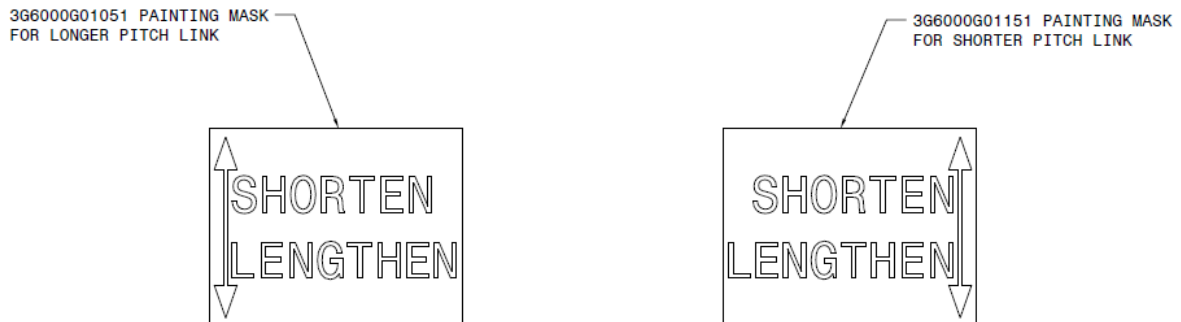


Figure 3 – Main Parts

The main parts of the P/N 3G6000G01231 TOOL KIT, PAINTING MASK KIT FOR PITCH LINK are:

1. PAINTING MASK FOR LONGER PITCH LINK, P/N 3G6000G01051
2. PAINTING MASK FOR SHORTER PITCH LINK, P/N 3G6000G01151

9. MAIN FEATURES DESCRIPTION

The tool will consist of two stickers: one for the longest pitch link and one for the shortest one. The stickers must be used to apply the paint for the lettering on the pitch links.

10. WARNING AND SAFETY NOTES

10.1. WARNING NOTE





 Caution	Use this equipment only for the purpose that it is designed for. Any other use can result in injury or serious material damage to the components.
 Caution	The Manual can never integrally replace the adequate competence of the user.
 Caution	Before and after each use of the equipment is necessary to perform the checks required. Do not operate with a tool damaged or partially completed, or partially assembled.
 Caution	This Manual provides guidelines and instructions of the equipment that are in addition to - but are not intended to replace or modify but only to integrate - any general or specific rule, regulation, decree or law that is in force in the place where the equipment is in use.

Table 3 – Warning Note

10.2. SAFETY NOTES

Remember to wear protective overalls, safety shoes, protective gloves and glasses during all operational and maintenance phases.



Figure 4 – Safety Notes

11. STORAGE

The Tool shall be properly stored to provide protection from external weather conditions, damage and dirty particles.

The Kit shall be stored in the dedicated transportation box (part of the Kit).

Ensure that the tool parts are clean before storage.


11.1. LUBRICATION BEFORE STORAGE

Apply the Grease (MIL-PRF-23827) on all threaded parts before tool storage.


11.2. STORAGE CONFIGURATION

The Tool has no particular storage configuration.

12. MAINTENANCE

 Notice	Correct regular maintenance allows preventing most faults and safeguards of tool performance in time, thereby making it last longer.
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Every year carry out regular maintenance on a regular basis as detailed in this manual.

 Caution	Inspection intervals for tool parts placed inside in ready storage is 12 months.
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12.1. CLEANING

Before inspection and after each use, carry out the cleaning of the tool components.

12.1.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT

No special tools, fixture and equipment are required for cleaning.

12.1.2. PART REQUIREMENTS

The parts to clean should be free from the moisture, emulsified water, soaps and metal shavings that can develop of corrosive acids.


They must also be free from wide grease and / or slosh deposits.


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12.1.3. MANUAL CLEANING

- A. Clean thoroughly all metal surfaces with a clean lint-free cloth (Local supply) moistened with Cleaning Solvent (MIL-PRF-680C, Type II) to do general spot cleaning of large groups areas. For nylon or teflon surfaces, the use of a biodegradable, water dilutable cleaning compound (MIL-PRF-87937 D, Type II) is required.
- B. Repeat the cleaning process again by means another clean lint-free cloth (Local supply).
- C. Drying.
 - Verify that the solvent should not be trapped in the cavity. Normally, the solvent evaporates at room temperature in a satisfactory manner.



12.2. CHECKS

 Caution	Before and after each use or at least every year, carry out the check of kit component.
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 Caution	Before each use ensure that the manual is available to the operator, in the event of loss, request a copy to Leonardo Helicopters Division.
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The Tool kit shall be submitted to following checks to guarantee the functionality.

All required checks shall be registered on CHECK RECORDS Table (Ref. *TLC_Table 1*)

 Notice	After each use of tool ensure to have registered the number of uses on HISTORICAL USES RECORD Table (Ref. <i>TLC_Table 2</i>).
*  Notice	The Tool Log Card template contained in the Annex A of this manual can be replaced with any other log card template in use in the plant where the equipment is in use.

12.2.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT



No special tools, fixture and equipment are required for the checks.

12.2.2. VISUAL EXAMINATION

All required visual checks are listed on Table 4

PERIODICITY	CHECK TYPE	COMPONENTS	
BEFORE AND AFTER EVERY USE	VISUAL EXAMINATION	Evidence of impact	All
		Crushing or stripping	All
		Cracks	All
		Dents	All
		Wear	All
		Distortions	All
		Corrosion	All
		Loose or defective attaching parts (warning flag)	All
		Unsticking of parts	Identification plate.
		Damage to the threads	All
		Marking	All
		Damage to the pins and to the shell	N.A.
		Damage to the insulation sleeves and wires	N.A.

Table 4 – Visual Check

 Caution	Replace the parts that do not obey the inspection requirements.
 Notice	Restore the marking of the parts that results damaged or not readable.



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12.2.3. PERIODICAL CHECKS

N.A.

12.2.4. DIMENSIONAL CHECKS

N.A.

12.2.5. SPECIAL CHECKS SUMMARY

N.A.

13. CALIBRATION

No Calibration is required.

14. SHELF LIFE

N.A.

15. SPARE PARTS

Any request of spare parts must indicate the reference number of the spares, the Part Number kit the Serial Number and Manufacturer Code of the assy for which the spare is requested.

Only standard fittings may be replaced with others with same dimensions, material, treatment surface and equal or higher strength.



Figure 5 – Spare Parts

ITEM	P/N	DESCRIPTION	Q.TY	NOTE
1	3G6000G01051	PAINTING MASK FOR LONGER PITCH LINK	1	
2	3G6000G01151	PAINTING MASK FOR SHORTER PITCH LINK	1	

Table 5 – Spare Parts



Notice

Note X: For applicable replacement instructions Ref. Par. 15.1

15.1. REPLACEMENT INSTRUCTIONS

The replacement of parts of the kit does not require specific instructions.

16. CE MARKING

No CE marking is required for the P/N 3G6000G01231 TOOL KIT, PAINTING MASK KIT FOR PITCH LINK.

17. HAZARDOUS AND POTENTIALLY HAZARDOUS MATERIALS

N.A.



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ANNEX A

TOOL LOG CARD



TOOL LOG CARD

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TOOL KIT P/N: [1]	TOOL KIT DESCRIPTION: [2]	TOOL KIT S/N: [3]
TOOL P/N: [4]	TOOL S/N: [5]	REMARKS: [6]

Section 1: CHECKS RECORD

[7] N° check	[8] DATE	[9] P/N TO CHECK	[10] CHECK	[11] FREQUENCY	[12] RESULT	[13] NOTE	CERTIFICATION [14]
							STAMP & SIGNATURE [15]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
FINAL ACCEPTANCE [16]							
STAMP & SIGNATURE [17]						DATE [18]	

TLC_Table 1



TOOL LOG CARD

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TOOL KIT P/N: [1]	TOOL KIT DESCRIPTION: [2]	TOOL KIT S/N: [3]
TOOL P/N: [4]	TOOL S/N: [5]	REMARKS: [6]

Section 2: HISTORICAL USES RECORD

[19] N°USE	[8] DATE	[6] NOTE	[13] CERTIFICATION	[19] N°USE	[8] DATE	[6] NOTE	[13] CERTIFICATION
			[14] STAMP & SIGNATURE				[14] STAMP & SIGNATURE
1				11			
2				12			
3				13			
4				14			
5				15			
6				16			
7				17			
8				18			
9				19			
10				20			

TLC_Table 2

LOG CARD FILLING INSTRUCTIONS

FIELD #	HEADER	NOTE
1	Part number of the tool Kit	
2	Tool Kit denomination	
3	Serial Number of the tool Kit	
4	Part Number of the tool (part of kit)	
5	Serial Number of the tool (if applicable)	
6	Indicate any details of the use	
7	Sequential number of check performed	
8	Date of the activity	
9	PN of tool or component (part of tool) checked/affected by issue	
10	Typology or description of checks /issue	
11	Check frequency	
12	Check result	
13	Check remarks	
14	Performance certification	
15	Stamp and signature of the personnel which performs the check	
16	Section related to the final approval	
17	Stamp and signature of the personnel which performs the final approval	
18	Date on which the final check was made	
19	Sequential number of performed used of the tool	