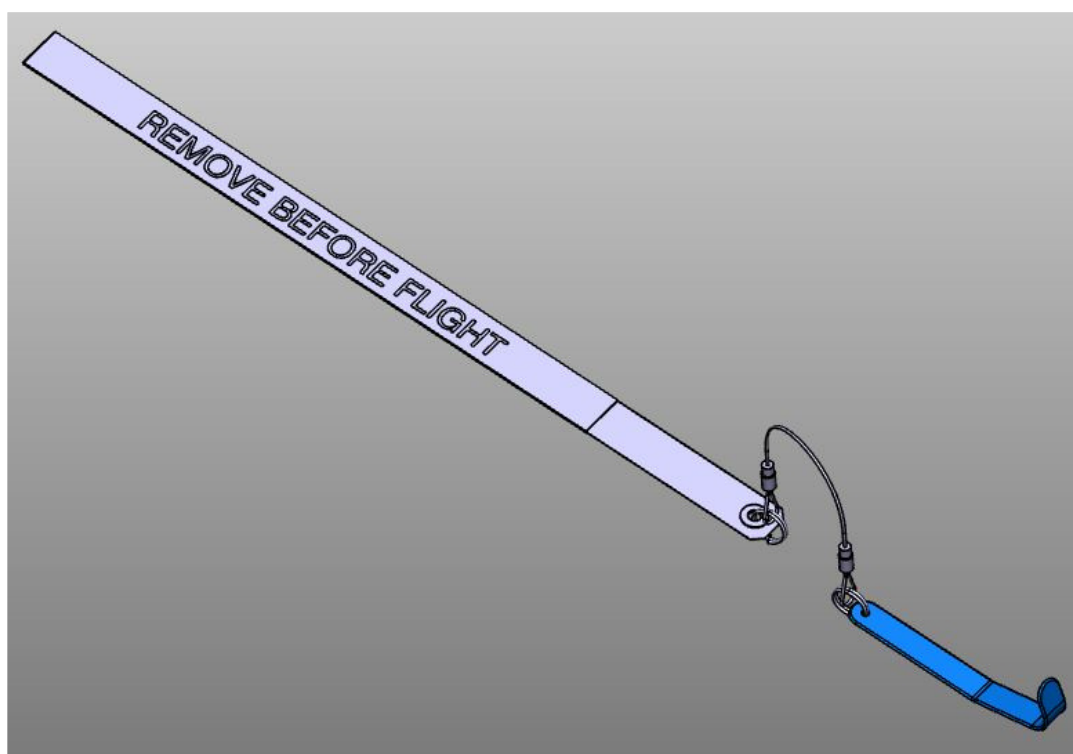


# GSE & TOOL MANUAL

<b>TITLE</b>	<b>P/N 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP</b>
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# GSE & TOOL USE AND MAINTENANCE MANUAL

Manual number:  
**MAN- 6F1200G00231**

Pag. 2 of 17

## REVISION HISTORY

REV	CHANGE DESCRIPTION	DATE
A	First issue	02/10/2023

## SUMMARY

SUMMARY .....	3
LIST OF TABLE .....	4
LIST OF FIGURE .....	4
1. SCOPE .....	5
1.1. APPLICABILITY .....	5
1.2. OBJECT .....	5
1.3. WARNING and SAFETY INSTRUCTIONS.....	5
2. DOCUMENTS .....	6
2.1. APPLICABLE DOCUMENTS .....	6
2.2. ACRONYMS USED .....	6
3. DESCRIPTION .....	7
4. TOP ASSEMBLY DRAWINGS.....	7
5. IDENTIFICATION .....	7
6. OVERALL DIMENSIONS .....	8
7. WEIGHT .....	8
8. MAIN PARTS .....	9
9. MAIN FEATURES DESCRIPTION .....	9
10. WARNING AND SAFETY NOTES.....	10
10.1. WARNING NOTE .....	10
10.2. SAFETY NOTES.....	11
11. STORAGE.....	12
11.1. LUBRICATION BEFORE STORAGE .....	12
11.2. STORAGE CONFIGURATION .....	12
12. MAINTENANCE .....	12
12.1. CLEANING .....	12
12.1.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT .....	12
12.1.2. PART REQUIREMENTS .....	12
12.1.3. MANUAL CLEANING.....	13
12.2. CHECKS .....	13
12.2.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT .....	13
12.2.2. VISUAL EXAMINATION .....	14
12.2.3. PERIODICAL CHECKS .....	15
12.2.4. DIMENSIONAL CHECKS .....	15
12.2.5. SPECIAL CHECKS SUMMARY .....	15
13. CALIBRATION .....	15
14. SHELF LIFE .....	15

15.	SPARE PARTS .....	16
15.1.	REPLACEMENT INSTRUCTIONS .....	16
16.	CE MARKING.....	16
17.	HAZARDOUS AND POTENTIALLY HAZARDOUS MATERIALS .....	16
	ANNEX A.....	17

**LIST OF TABLE**

Table 1 – Warning Instruction .....	5
Table 2 – Applicable Documents.....	6
Table 3 – Warning Note.....	10
Table 4 – Visual Check.....	14
Table 5 – Spare Parts.....	16

**LIST OF FIGURE**

<i>Figure 1 – Opening lever tool for fuel tank cap rem/ins .....</i>	<i>7</i>
<i>Figure 2 – P/N marking area .....</i>	<i>7</i>
Figure 3 – Main Part .....	9
<i>Figure 4 – Safety Notes.....</i>	<i>11</i>
Figure 5 – Spare Parts .....	16

## 1. SCOPE

### 1.1. APPLICABILITY




The contents of this document are meant to provide information on the P/N 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP.

### 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 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP.

### 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.

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

*Table 1 – Warning Instruction*

## 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 assist the opening of the fuel tank caps.

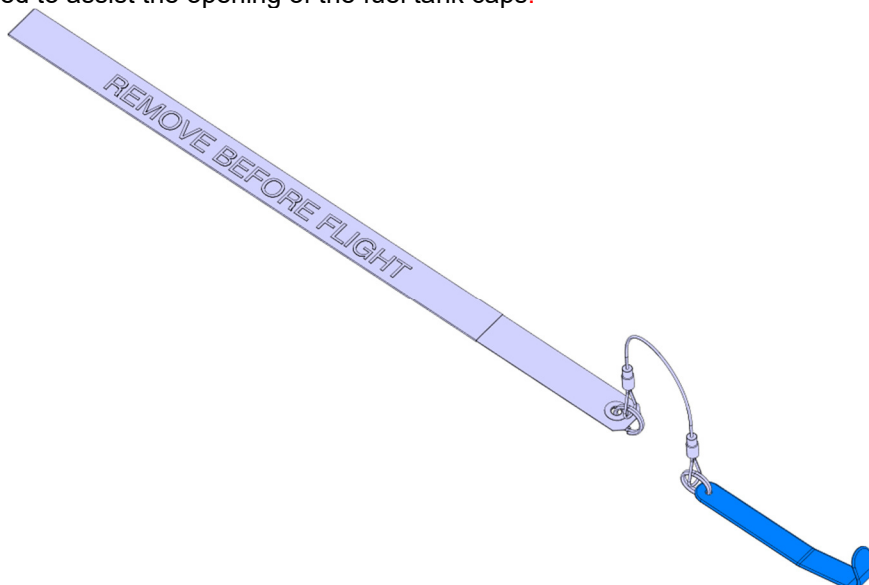


Figure 1 – Opening lever tool for fuel tank cap rem/ins

### 4. TOP ASSEMBLY DRAWINGS

Refer to P/N 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP REM/INS.

### 5. IDENTIFICATION

The tool identification P/N is marked on the tool

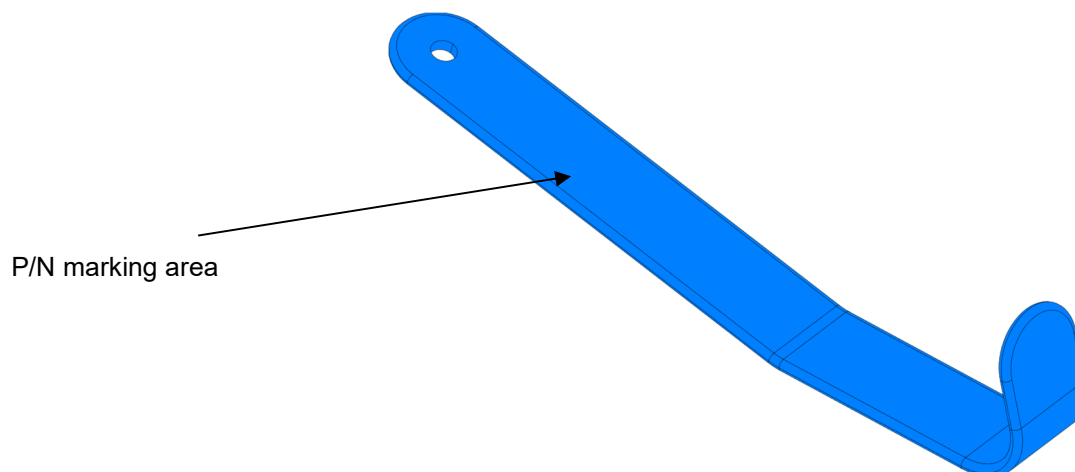


Figure 2 – P/N marking area



## GSE & TOOL USE AND MAINTENANCE MANUAL

Manual number:  
**MAN- 6F1200G00231**

Pag. 8 of 17

### **6. OVERALL DIMENSIONS**

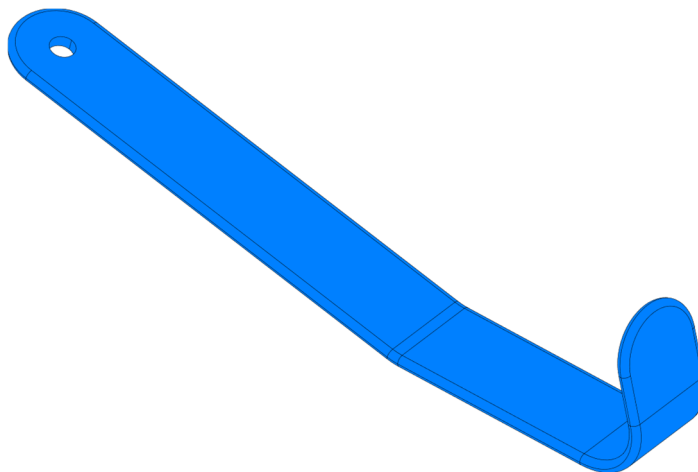
- Length: 150 mm
- Width: 20 mm
- Height: 40 mm

### **7. WEIGHT**

- Total Weight: 0.069 kg



## 8. MAIN PARTS



*Figure 3 – Main Part*

The main part of the P/N 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP is the LEVER

## 9. MAIN FEATURES DESCRIPTION





The tool is composed of:

LEVER

This component is used to facilitate the opening of the fuel tank cap. It is coupled with the fuel tank cap and used to lift it open

## 10. WARNING AND SAFETY NOTES

### 10.1. WARNING NOTE

 <b>Caution</b>	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.
 <b>Caution</b>	The Manual can never integrally replace the adequate competence of the user.
 <b>Caution</b>	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.
 <b>Caution</b>	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.

Ensure that the tool parts are clean before storage.

### 11.1. LUBRICATION BEFORE STORAGE

N.A..

### 11.2. STORAGE CONFIGURATION

The Tool has no particular storage configuration.

## 12. MAINTENANCE



**Caution**

Correct regular maintenance allows preventing most faults and safeguards of tool performance in time, thereby making it last longer.

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.

### 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 slush deposits.

### 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.
- B. Repeat the cleaning process again by means another clean lint-free cloth (Local supply).
- C. Dry.
  - 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

 <b>Caution</b>	<p>Before and after each use or at least every year, carry out the check of kit component.</p>
-----------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------

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*)

 <b>Notice</b>	<p>After each use of tool ensure to have registered the number of uses on HISTORICAL USES RECORD Table (Ref. <i>TLC_Table 2</i>).</p>
 <b>Notice</b>	<p>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.</p>

#### 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	LEVER, ref. Figure 3
		Crushing or stripping	All
		Cracks	LEVER, ref. Figure 3
		Dents	LEVER, ref. Figure 3
		Wear	LEVER, ref. Figure 3
		Distortions	LEVER, ref. Figure 3
		Corrosion	All
		Loose or defective attaching parts (warning flag)	All
		Unsticking of parts	N.A.
		Damage to the threads	All threaded std parts, flag "REMOVE BEFORE FLIGHT", Replacement procedure Ref. Par. 15.1
		Marking	Flag "REMOVE BEFORE FLIGHT", Replacement procedure Ref. Par. 15.1
		Damage to the pins and to the shell	N.A.
		Damage to the insulation sleeves and wires	N.A.

*Table 4 – Visual Check*



**Caution**

If one component is damaged and/or the marking of the parts results damaged or not readable, substitute the entire tool



## GSE & TOOL USE AND MAINTENANCE MANUAL

Manual number:  
**MAN- 6F1200G00231**

Pag. 15 of 17

### **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.

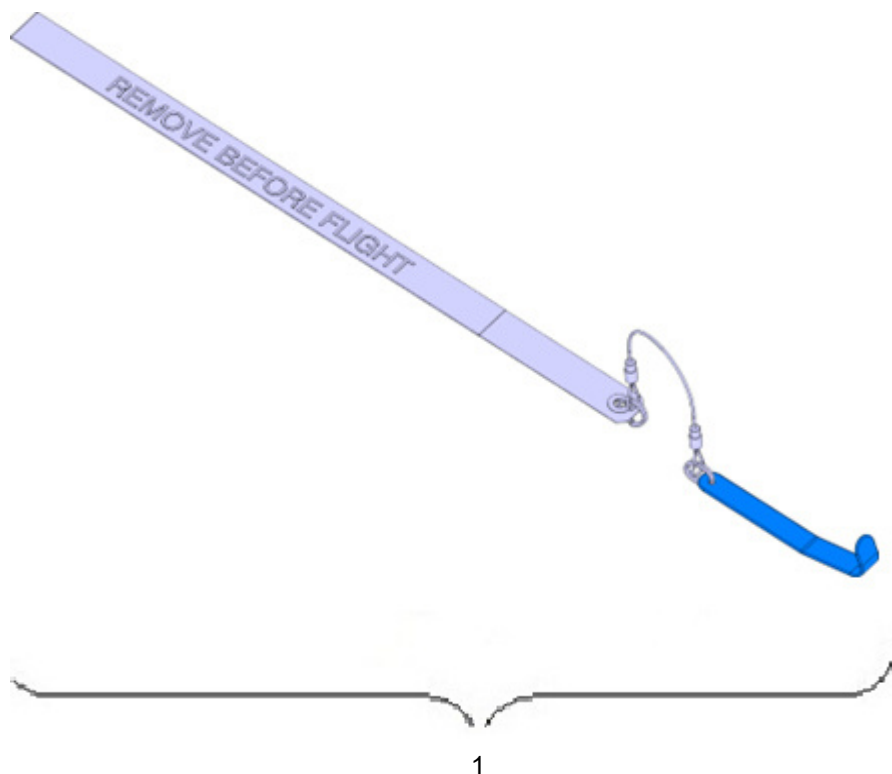
## **14. SHELF LIFE**

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	6F1200G00231	OPENING LEVER TOOL FOR FUEL TANK CAP	REF	

*Table 5 – Spare Parts*

### 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 6F1200G00231 OPENING LEVER TOOL FOR FUEL TANK CAP.

## 17. HAZARDOUS AND POTENTIALLY HAZARDOUS MATERIALS

N.A.





# ANNEX A

## TOOL LOG CARD

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

### Section 1: CHECKS RECORD

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

TLC\_Table 1

# TOOL LOG CARD

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

## Section 2: HISTORICAL USES RECORD

[19] N°USE	[8] DATE	[6] NOTE	[19] CERTIFICATION		[8] DATE	[6] NOTE	[13] CERTIFICATION	
			[13] STAMP & SIGNATURE	[14] STAMP & SIGNATURE			[13] STAMP & SIGNATURE	[14] STAMP & SIGNATURE
1								
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9								
10								
11								
12								
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## LOG CARD FILLING INSTRUCTIONS

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