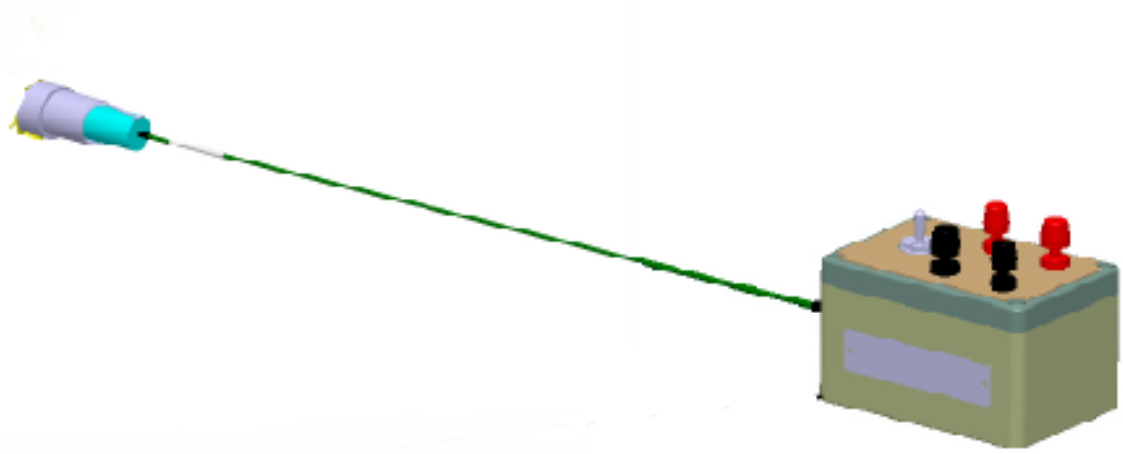
# GSE & TOOL MANUAL

| TITLE | TEST CABLE AMMC 8G2350G00131 |
|---|---|



## REVISION HISTORY

| REV | CHANGE DESCRIPTION | ISSUE DATE |
|---|---|---|
| A | TEST CABLE AMMC | 17/03/2022 |
| | | |

## SUMMARY

## 1. DESCRIPTION

Tool can be used for to test cable AMMC.

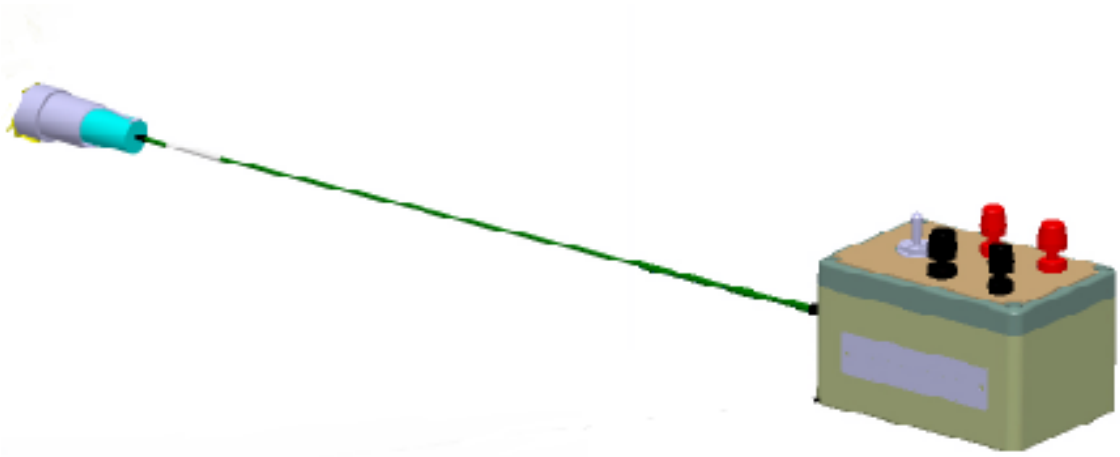


*Figure 1 – Test Cable AMMC*

### 1.1. TOP ASSEMBLY DRAWINGS

Refer to PN 8G2350G00131 TEST CABLE AMMC

### 1.2. IDENTIFICATION

The tool identification P/N is marked on the nameplate

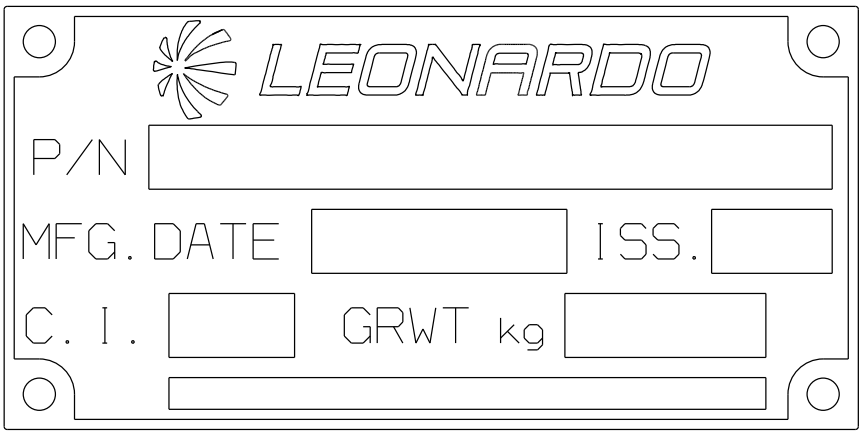



*Figure 2 – LHD Identification tag with P/N*

## 1.3. OVERALL DIMENSIONS

- Length: 2237,5 mm
- Width: 80 mm
- Height: 86 mm

## 1.4. WEIGHT

- Total Weight: 1,5 kg

## 1.5. MAIN PARTS

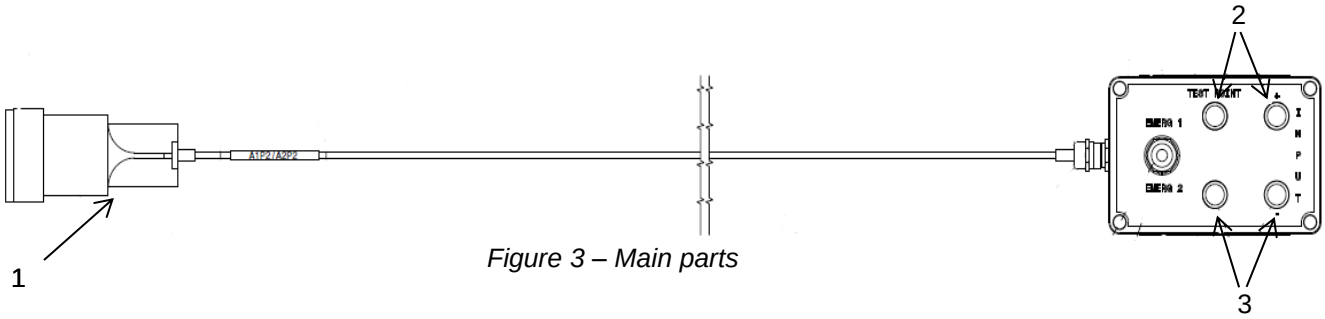



*Figure 3 – Main parts*

The main parts of the RTB cable interface are:

1. Connection A1P2 / A2P2
2. Connection TEST POINT +
3. Connection TEST POINT -

## 1.6. MAIN FEATURES DESCRIPTION

The TEST CABLE AMMC is connected between A1P2 / A2P2 connector and the AMMC2 J2 connector for to check correct functions of the equipment

## 2. SAFETY NOTES

Before starting to use the equipment it is necessary to perform a visual check of all parts and see if something is damaged or missing. Do not operate with a tool partially completed, or partially assembled.

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

It must be noticed that the Manual can never integrally replace the adequate experience of the user; the operator must be given an adequate and specific training.

This Manual provides guidelines and instructions on the usage 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.

Use of the equipment for any operation other than that specified in this document is strictly prohibited.

LHD Company it's free of any responsibility in case this tool isn't employed in conformity with instructions of this manual or in case of any damage to devices and equipment that have been linked improperly.

Tamper with the connections' tool or modify it is strictly forbidden.

# 3. STORAGE

The Tool shall be properly stored into a cool and dry place to provide protection from external weather conditions, damage and dirty particles.

Ensure that the tool parts are clean before storage.

## 3.1. LUBRICATION BEFORE STORAGE

The lubrication is not applicable.

## 3.2. STORAGE CONFIGURATION

The tool has no particular storage configuration.

NOTE: To avoid permanent deformations, not overdo bending of the cable when performing the storage.

# 4. MAINTENANCE

NOTE: 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.

NOTE: The maintenance shall be performed with the cable disconnected.

NOTE: Inspection intervals for tool parts placed inside in ready storage is 12 months.

## 4.1. CLEANING

Before inspection and after each use, carry out the cleaning of the tool components. To use neutral detergent for to clean the tool components.

### 4.1.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT

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

### 4.1.2. 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.

## 4.2. CHECKS

Before each use or at least every year, carry out the check of kit component.

### 4.2.1. SPECIAL TOOLS, FIXTURE AND EQUIPMENT

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

### 4.2.2. VISUAL EXAMINATION

NOTE: The task must be performed by operators, with intermediate skill levels.

A. Examine the connector for damage to the pins and to the shell.

B. Examine the cables for damage to the insulation sleevers and wires.

C. Examine all parts for any of the visible damage that follows:

– Evidence of impact;

- Crushing or stripping
- Cracks;
- Dents;
- Wear;
- Distortions;
- Corrosion;
- Loose or defective attaching parts (warning flag).
- Unsticking of parts.

D. Marking

1) Visually examine the marking.
2) Make sure that external surface and adhesion is in good condition. If the marking is damaged or not readable, proceed to restore it.

### 4.3. REPLACEMENT

All the parts for which it is allowed the components replacement are listed in Paragraph 6.

The replacement of these parts does not require specific procedures.

## 5. CALIBRATION

The calibration is not applicable.

## 6. SPARE PARTS

The components replacement is not applicable.

In case of several damage of the components shall request a new 8G2350G00131 TEST CABLE AMMC.

## 7. CE MARKING

No CE marking is required for the 8G2350G00131 TEST CABLE AMMC.

# ANNEX A

# TOOL LOG CARD

| LEONARDO HELICOPTERS | **TOOL LOG CARD** | **ISSUE -/-**<br>Pag. **1** of **3** |
|---|---|---|

| ***TOOL P/N:***<br>[1] | ***TOOL DESCRIPTION:***<br>*[2]* | ***TOOL S/N:***<br>*[3]* | ***TOOL KIT P/N:***<br>*[4]* |
|---|---|---|---|
| ***PERIODICAL CHECK REQUIRED:*** □ NO □ YES<br>*[5]*<br>***FREQUENCY:*** □ SCHEDULATED ..... □ ON CONDITION<br>□ CORRECTION | | ***REMARKS:*** *[6]* | |
| ***PERIODICAL CHECK DESCRIPTION:***<br>*[7]* | | | |

## *Section 1: CHECKS RECORD*

| *[8]*<br>***CHECKS*** | *[9]*<br>***DATE*** | *[10]*<br>***P/N TO CHECK*** | *[11]*<br>***RESULT*** | *[12]*<br>***NOTE*** | ***CERTIFICATION*** *[13]*<br>***STAMP & SIGNATURE*** *[14]* |
|---|---|---|---|---|---|
| ***1*** | | | □ *POS* □ *NEG* | | |
| ***2*** | | | □ *POS* □ *NEG* | | |
| ***3*** | | | □ *POS* □ *NEG* | | |
| ***4*** | | | □ *POS* □ *NEG* | | |
| ***5*** | | | □ *POS* □ *NEG* | | |
| ***6*** | | | □ *POS* □ *NEG* | | |
| ***7*** | | | □ *POS* □ *NEG* | | |
| ***8*** | | | □ *POS* □ *NEG* | | |
| ***9*** | | | □ *POS* □ *NEG* | | |
| ***10*** | | | □ *POS* □ *NEG* | | |

| ***FINAL ACCEPTANCE*** *[15]* | |
|---|---|
| ***STAMP & SIGNATURE*** *[16]* | ***DATE*** *[17]* |
| | |

*TLC_Table 1*

| TOOL P/N:<br>[1] | TOOL DESCRIPTION:<br>[2] | TOOL S/N:<br>[3] | TOOL KIT P/N:<br>[4] |
|---|---|---|---|
| REMARKS:<br>[19] | | | |

## Section 2: HISTORICAL USES RECORD

| [18] N°USE | [9] DATE | [19] NOTE | CERTIFICATION [13]<br>STAMP & SIGNATURE [14] | [18] N°USE | [9] DATE | [19] NOTE | CERTIFICATION [13]<br>STAMP & SIGNATURE [14] |
|---|---|---|---|---|---|---|---|
| 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 | |
| ***2*** | Tool denomination | |
| ***3*** | Serial Number of the tool | |
| ***4*** | Tool kit Part Number | |
| ***5*** | Typology and entities of checks frequency | |
| ***6*** | Indicate any details of the check | |
| ***7*** | Detailed description of type and how is performed the check | |
| ***8*** | Sequential number of check performed | |
| ***9*** | Date of the activity | |
| ***10*** | PN of tool or component to check | |
| ***11*** | Result of check: Option 1: positive; Option 2: Negative | |
| ***12*** | Check remarks | |
| ***13*** | Performance certification | |
| ***14*** | Stamp and signature of the personnel which performs the check | |
| ***15*** | Section related to the final approval | |
| ***16*** | Stamp and signature of the personnel which performs the final approval | |
| ***17*** | Date on which the final check was made | |
| ***18*** | Sequential number of performed used of the tool | |
| ***19*** | Indicate any details of the use | |