INITIAL PRODUCT VERIFICATION

OMNICOMM

CONTENTS

1. INTRODUCTION

This document is intended to guide the Initial Verification process, categorized by product type. It details inspection methodologies and the necessary procedural steps to either rectify or validate a reported defect.

2. GENERAL RECOMMENDATIONS

Before performing the Initial Product Verification, please read the instructions carefully and follow the information to prevent errors.
Do not perform any other actions without a specific request and/or approval from Omnicomm Company.

3. INITIAL VERIFICATION OF FUEL LEVEL SENSORS OMNICOMM

3.1. Product appearance inspection (the housing, measuring part, connecting cable, and connector must be free of mechanical and chemical damage).

3.2. Ensure that you are using the latest version of the Omnicomm Configurator (Version 6). You can download the latest version of the Omnicomm Configurator from the official website: omnicomm-world.com.

3.3. Ensure that you are using the latest firmware version for the fuel level sensor Omnicomm. You can download the latest firmware version from the official website: omnicomm-world.com.

3.4. Connect the fuel level sensor Omnicomm to the Omnicomm Configurator and perform a firmware update.

3.5. Reset the fuel level sensor Omnicomm to factory default settings.

3.6. Calibrate the fuel level sensor Omnicomm for full/empty readings and save the results in the Omnicomm Configurator.

3.7. In the Omnicomm Configurator, check the “CNT” values when immersing the fuel level sensor Omnicomm in fuel at various depths.

3.8. If functionality is confirmed and the reported defect is not verified, the fuel level sensor Omnicomm should be returned to the end customer.

3.9. If the fuel level sensor Omnicomm is not detected by the Omnicomm Configurator, verify the functionality and correctness of the wiring diagram (connect a known working fuel level sensor Omnicomm and/or an USB adapter Omnicomm UNU-USB configuration tool).

3.10. Perform a firmware update for the fuel level sensor Omnicomm. Upon successful firmware installation, perform the actions described in sections 3.5 – 3.8 “Initial Verification of fuel level sensor Omnicomm.”

3.11. If a defect is confirmed, it is necessary to proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

For fuel level sensors Omnicomm LLS-Ex 5:

3.12. It is prohibited to connect the fuel level sensor Omnicomm LLS-Ex 5 without the Spark protection unit Omnicomm BIS-MX (directly) to the GPS-tracker Omnicomm and/or the Omnicomm Configurator to prevent failure.

For fuel level sensors Omnicomm LLS-AF 4:

If the firmware cannot be installed and/or the full/empty calibration of the fuel level sensor Omnicomm cannot be performed and/or the “N” values in the Omnicomm Configurator “freeze,” it is recommended to:

3.13. Perform a factory reset (default) in the Omnicomm Configurator (Version 6).

3.14. Perform a firmware update in the Omnicomm Configurator (Version 5).

3.15. Perform the actions described in sections 3.6 – 3.8 “Initial Verification of fuel level sensor Omnicomm.”

3.16. If the reported defect is confirmed, it is necessary to proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

You can download the current versions of the Omnicomm configurators from the official website: omnicomm-world.com.

4. INITIAL VERIFICATION OF GPS-TRACKER OMNICOMM

4.1. Appearance inspection (the housing, connecting cable, and connector must be free of mechanical and chemical damage).

4.2. Open the GPS-tracker Omnicomm housing (unscrew the screws, except for the GPS-tracker Omnicomm Light 3.1).

4.3. Inspect the GPS-tracker’s circuit boards for mechanical and chemical damage.

4.4. Inspect the battery for mechanical and chemical damage. Check the battery’s warranty period according to the Product Passport.

4.5. Connect the GPS-tracker Omnicomm to a laboratory power supply (with a voltage from 12 Volts to 30 Volts), monitoring the current consumption an

d the presence of indicator lights on the GPS-tracker Omnicomm. The current consumption is specified in the Product Passport.

4.6. If there is excessive current consumption or a short circuit, you must proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

4.7. If the current consumption matches the Product Passport, connect the GPS-tracker Omnicomm to the Omnicomm Configurator.

4.8. Ensure that you are using the latest version of the Omnicomm Configurator (Version 6). You can download the latest version of the Omnicomm Configurator from the official website: omnicomm-world.com.

4.9. Ensure that you are using the latest firmware version for the GPS-tracker Omnicomm. You can download the latest version from the official website: omnicomm-world.com.

4.10. Run the GPS-tracker diagnostics in the Omnicomm Configurator (Version 6).

4.11. If a defect is detected as a result of the diagnostics, you must proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

4.12. If the GPS-tracker Omnicomm passes the diagnostics in the Omnicomm Configurator successfully, perform the necessary checks depending on the reported defect.

Common issues:

4.13. GSM/GPRS – Connect an external antenna, insert a SIM card, and check the signal strength and data transmission in the Omnicomm Configurator.

4.14. GPS - Connect an external antenna and check for the presence of the GPS-tracker Omnicomm ’s location coordinates in the Omnicomm Configurator.

4.15. RS232/RS485 – For verification, use a fuel level sensor Omnicomm LLS 4 and/or LLS 5 (first configure the network address of the fuel level sensor Omnicomm #1 in the Omnicomm Configurator). Connect the fuel level sensor Omnicomm to the GPS-tracker Omnicomm (first configure the GPS-tracker Omnicomm to work with the fuel level sensor Omnicomm). Verify the displayed information (level “N”) from the fuel level sensor Omnicomm in the Omnicomm Configurator.

4.16. If functionality is confirmed (the reported defect is not verified), the GPS-tracker Omnicomm is returned to the end customer.

4.17. If a defect is confirmed based on the diagnostic results in the Omnicomm Configurator, according to section 4.10 “Initial Verification of GPS-tracker Omnicomm,” you must proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

5. INITIAL VERIFICATION OF THE DISPLAY OMNICOMM ICON AND/OR INDICATOR FUEL VOLUME OMNICOMM LLD

5.1. Appearance Inspection (the housing, connecting cable, buttons, and screen must be free of mechanical and chemical damage).

5.2. Ensure that you are using the latest version of the Omnicomm Configurator (Version 6). You can download the latest version of the Omnicomm Configurator from the official website: www.omnicomm.ltd.

5.3. Connect the Product to the Omnicomm Configurator via the USB adapter Omnicomm UNU-USB configuration device.

5.4. If the Product is not detected by the Omnicomm Configurator, verify the functionality and correctness of the wiring diagram (connect a known working fuel level sensor Omnicomm and/or the USB adapter Omnicomm UNU-USB).

5.5. Ensure that you are using the latest firmware version. You can download the latest version from the official website: www.omnicomm.ltd.

5.6. Check the ability to save settings in the Omnicomm Configurator.

5.7. Check the functionality of the buttons and the screen (speaker only for the Display Omnicomm ICON).

5.8. If functionality is confirmed (the reported defect is not verified), the Product is returned to the end customer.

5.9. If the defect is confirmed and not resolved according to sections 5.2 - 5.7 “Initial Verification of the Display Omnicomm ICON and/or Indicator fuel volume Omnicomm LLD,” you must proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

6. INITIAL VERIFICATION OF THE SPARK PROTECTION UNIT OMNICOMM BIS-MX

6.1. Appearance Inspection (the housing, connecting cable, and connector must be free of mechanical and chemical damage).

6.2. Connect a known working fuel level sensor Omnicomm LLS-Ex 5 through the Spark protection unit Omnicomm BIS-MX to the Omnicomm Configurator, using the USB adapter Omnicomm UNU-USB configuration device.

6.3. Ensure that you are using the latest version of the Omnicomm Configurator (Version 6). You can download the latest version of the Omnicomm Configurator from the official website: www.omnicomm.ltd.

6.4. Check the functionality of the Spark protection unit Omnicomm BIS-MX (the fuel level sensor Omnicomm LLS-Ex 5 should be recognized in the Omnicomm Configurator).

6.5. To confirm the functionality of the Spark protection unit Omnicomm BIS-MX, connect two known working fuel level sensors Omnicomm LLS-Ex 5 through the Spark protection unit Omnicomm BIS-MX to the GPS-tracker Omnicomm.

6.6. Check the functionality of the Spark protection unit Omnicomm BIS-MX (display of level “N” in the GPS-tracker Omnicomm for both fuel level sensor Omnicomm), it is first necessary to configure the network addresses for each fuel level sensor Omnicomm LLS-Ex 5 via the Omnicomm Configurator.

6.7. If functionality is confirmed (the reported defect is not verified), the Spark protection unit Omnicomm BIS-MX is returned to the end customer.

6.8. If a defect in the Spark protection unit Omnicomm BIS-MX is confirmed (the fuel level sensor Omnicomm LLS-Ex 5 is not detected in the Omnicomm Configurator or GPS-tracker Omnicomm), you must proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.

7. INITIAL VERIFICATION OF THE USB ADAPTER USB ADAPTER OMNICOMM UNU-USB

7.1. Inspect the appearance (the housing, connecting cable, and connector must not have mechanical or chemical damage).

7.2. Connect a functional fuel level sensor Omnicomm LLS 4 or/and LLS 5 via the USB adapter Omnicomm UNU-USB setup device using the RS-485 interface line to the Omnicomm configurator.

7.3. Perform an operational check (the fuel level sensor Omnicomm is identified in the Omnicomm configurator) and verify the presence of LED indication on the USB adapter Omnicomm UNU-USB setup device.

7.4. Connect a functional fuel level sensor Omnicomm LLS 4 or/and LLS 5 via the USB adapter Omnicomm UNU-USB setup device using the RS232 interface to the Omnicomm configurator.

7.5. Perform an operational check (the fuel level sensor Omnicomm is identified in the Omnicomm configurator) and verify the presence of LED indication on the USB adapter Omnicomm UNU-USB setup device.

7.6. If operability is confirmed (the reported defect is not confirmed), return the USB adapter Omnicomm UNU-USB setup device to the end customer.

7.7. If a defect in the USB adapter Omnicomm UNU-USB setup device is confirmed (the fuel level sensor Omnicomm is not detected by the Omnicomm configurator via RS-485 and/or RS-232 interface lines), proceed to section 4 – “STEP-BY-STEP WARRANTY PROCEDURE” located in the Omnicomm Warranty Procedure Regulations.