PANORAMA ANTENNAS LGMM-EXT-R Uneven Surface Foam Pad Instruction Manual

LGMM-EXT-R
SW3-1022 – v1
Uneven Surface Foam Pad
Instruction Manual

Contents

Introduction

LGMM-EXT-R range is an installation kit with an extended mounting bush and sealing pad for the L[G]M[X]M[X] range of antennas. This kit has been specifically designed to enable the antenna to be fitted on ribbed panels and uneven surfaces. The kit (depending on the version) contains a plain or slotted extension bush with slotted nuts and washers, a silicone foam center sealing pad, and a semi-closed cell EPDM foam pad to seal the installation and to shape itself to an uneven mounting panel. This installation guide must be read in conjunction with the full installation instructions for the relevant version of the antenna being installed.

Select A Suitable Mounting Location

Select a mounting location and ensure that there is adequate clearance under the mounting panel. Measure to check for the central position if applicable. The area where the mounting hole will be made should be as flat as possible and must able to accommodate a 1-inch (25mm hole). When fitting the antenna to a ribbed panel where the raised ribs are wider than 44mm (1.7 inches), the antenna should be mounted on the highest part of the rib if possible. Note that an absolute minimum compression of >5mm (0.2”) is required for the central sealing pad, so care must be taken if the antenna is fitted in a gulley on a ribbed roof. Take care to avoid mounting the antenna in close proximity to other objects on the mounting panel.

Prepare and Make A Hole

CENTRE SEALING PAD AND APPLY TO ANTENNA BASE.
Assemble the extension bush to the antenna, and tighten it fully with a spanner, taking care not to damage the external threads of the bush. Note, if using the slotted bush version, ensure that the antenna cables are not trapped or damaged during the assembly and installation process. Mask the panel area around the hole position to protect the paintwork and check for under-panel clearance to the headliner (if applicable). Drill a pilot hole, and then increase the hole diameter to 1 inch (25mm), ensuring that the rill/cutter bit does not make contact with the headliner. Clean the area around the hole, carefully removing any burrs and all swarf. Apply some petroleum jelly or paint around the hole to prevent corrosion.

Fitting the Antenna

Remove the protective backing from the underside of the antenna, feed the coaxial cables through the smaller (central) EPDM pad, pass the pad over the extension bush and firmly push onto the base of the antenna, to ensure adhesion. Feed the antenna cables through the larger (outer) sealing pad, push the outer pad into position over the central pad and adhere to the adhesive pad on the base of the antenna. Feed the coaxial cables through the panel and remove the remaining protective backing from the central sealing pad. Position the antenna over the hole, ensuring correct orientation, and press down firmly to adhere. Assemble the nut and washer from the underside and tighten to 3-5Nm (2.2-3.6 ft-lbs). Do not over-tighten as this may damage or distort the mounting panel.
Note: Ensure that the antenna does not rotate during the final tightening process, as this could compromise the integrity of the sealing. The outer foam pad has a semi-closed cell structure and will only seal if adequately compressed.

Complete the Installation

Complete the installation, commission, and test procedures as detailed in the full installation instructions for the antenna installed.

Notices

⊘ **DO NOT**

- jetwash or pressure wash the antenna or pad directly.
- mount the antenna to a location where adequate compression cannot be achieved around the mounting bush.
- overtighten the antenna when mounting as this may warp the panel.
- attempt to install the antennas without the proper safety equipment to access the installation location.
- chew parts or put them in your mouth, and keep away from unsupervised children.

European Waste Electronic Equipment Directive 2002/96/EC

Waste electrical products should not be disposed of with household waste. All electronic products with the WEEE logo must be collected and sent to approved operators for safe disposal or recycling. Please recycle where facilities exist. Many electrical/electronic equipment retailers facilitate a “Distributor Take-Back scheme” for household WEEE. Check with your Local Authority or electronic retailers for designated collection facilities where WEEE can be disposed of for free.

Directive 2011/65/EU (RoHS 2)

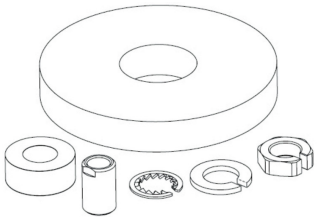
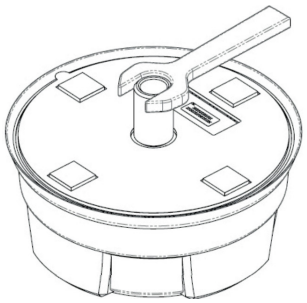
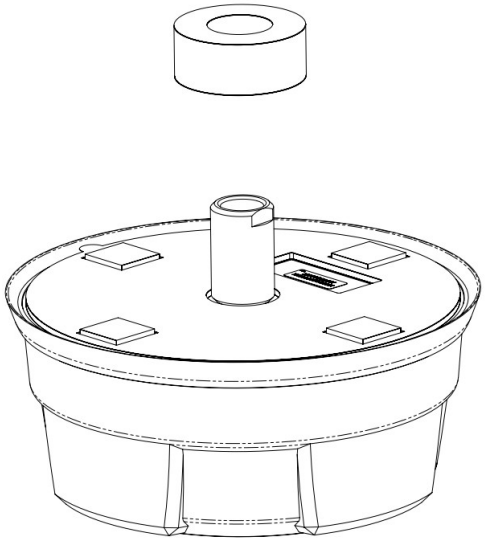
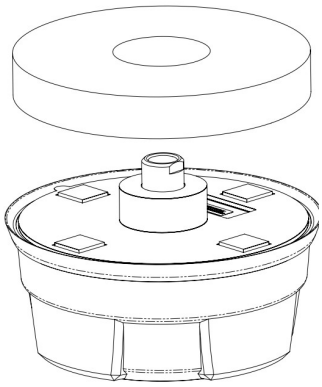
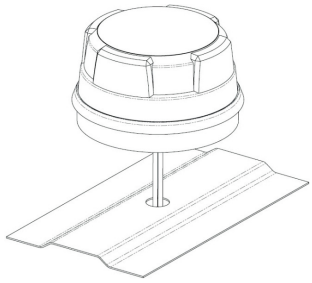
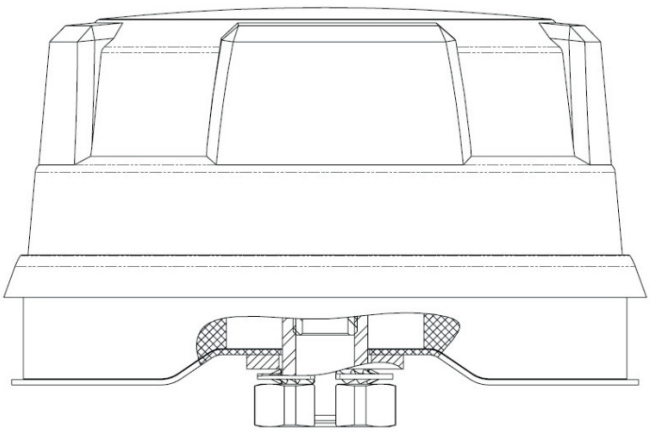
RoHS 2 compliance is declared per Directive 2011/65/EU and its subsequent amendments with exemption 6. c applied.

REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals, EC 1907/2006)

This product contains Lead (CAS No. 7439-92-1) which is classified as an SVHC (Substance of Very High Concern) as being toxic to

reproduction under Article 57c. of REACH. Do not chew parts or put them in your mouth, keep away from unsupervised children. Dispose of parts as WEEE waste do not send to landfill.

Installation Images

		
1 Kit contents	**2** Install extension bush	**3** Remove the liner from the antenna pad and one side of the center sealing pad. Locate center sealing pad – adhere to antenna pad
		
4 Locate outer foam pad – adhere to the antenna pa d	**5** Fit antenna	**6** Tighten the nut fully to a hard stop

Waiver: This document represents information compiled to the best of our present knowledge. It is not intended as a representation or warranty of the fitness of the products described for any particular purpose. This document details guidelines for general information purposes only. Always seek specialist advice when planning installations and ensure that antennas are always installed by a properly qualified installer in compliance with local laws and regulations.

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Documents / Resources

	**PANORAMA ANTENNAS LGMM-EXT-R Uneven Surface Foam Pad** [pdf] Instruction Manual LGMM-EXT-R, Uneven Surface Foam Pad, LGMM-EXT-R Uneven Surface Foam Pad