

Installation Instructions

SAB-324-2

SW3-1071 - v1

1. Introduction

For use with the GPSD4/SHK[G]4-6-60[-X] MiMo sharkfin antenna series, the SAB-324-2 provides a simple mounting solution for fitting this product line to the peak of the ribs on the roof of a Ford Explorer / Interceptor 2020.

Comprising a silicone rubber mounting boot and extended adhesive conductive pads to maintain effective coupling to the groundplane, the kit is easy to fit to the antenna and to install on the vehicle. When correctly fitted the adaptor will seal the mounting hole and conform to the contours of the roof rib presenting a pleasant aesthetic finish. This installation guide must be read in conjunction with the standard installation guide for the antenna range.

2. Mounting requirements and selecting location

Select a suitable position to mount the antenna. The centre line of the antenna must be positioned on the centre line of the vehicle roof rib. Select a position where the curvature or slope of the rib are consistent. Avoid locations where the adaptor boot edges will be positioned over dips or changes in the roof rib profile. The adaptor boot can be used before fitment to the antenna to check whether a location is suitable, to establish whether the adaptor will conform neatly to the rib profile and as a template to mark out the position of the required mounting hole.

It is recommended that the installation is carried out when the temperature is higher than 50°F (10°C) - the ideal temperature for the pad bonding is in the range of 70°F (21°C) to 100°F (37°C).

Ensure that there is adequate under panel clearance and that there are no objects or obstructions under the panel where you need to drill.

For optimal performance, the antenna should, if possible, be mounted at least 300mm (1ft) away from other conductive objects on the mounting panel.

3. Conductive pad replacement

Remove all four existing conductive pads from the base of the antenna. Ensure that no pad debris remains on antenna base. Remove mounting nut and washer from base and antenna cables. Remove backing and liner from replacement conductive pads. Firmly affix conductive pads to antenna base within the cutout positions. Ensure that conductive pads are positioned centrally within the cut-outs. See figure 1.

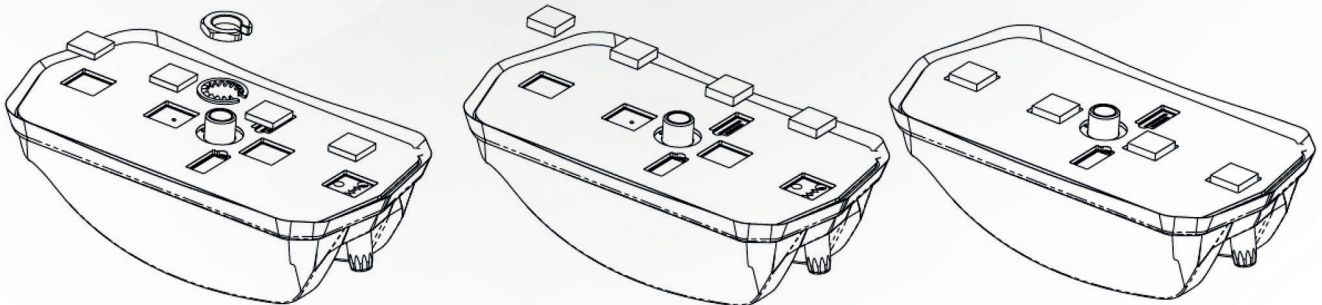


Fig 1. Remove existing conductive pads and fit new conductive pads supplied with SAB-324-2

4. Fit boot to antenna

Remove the adhesive pad liner from the base of the antenna. Feed the antenna cables through the adaptor boot centre hole. Check that the adaptor boot is correctly aligned with the antenna. The text saying 'front' on the adaptor boot should be positioned at the front of the antenna. Carefully affix adaptor boot to base of antenna ensuring that the existing boot edges match the lip profile of the adaptor boot.

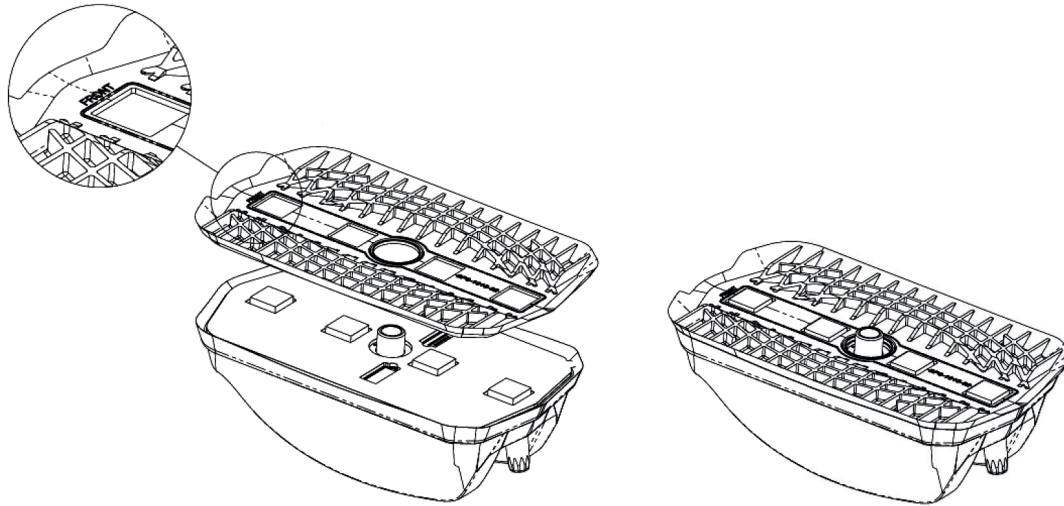


Fig 2. Ensure correct alignment and fit adaptor boot to antenna base

5. Prepare and make hole

Mark the required hole position and mask the surrounding area to protect the paintwork. Drill a pilot hole and then increase the hole diameter to 19mm (3/4") or 25mm (1") if using M18-EXT series extension bush adapter. Ensure that the drill / cutter does not make contact with the headliner. Clean the area around the hole carefully removing all swarf and any burrs.

6. Mount the antenna

Where applicable, assemble the extension bush adapter to the antenna tightening fully with a spanner. Take care not to damage the threads on the extension bush and, if using M18-EXT-SLT slotted extension bush, ensure that the antenna cables are not trapped or damaged.

Feed the antenna cables and mounting boss through the mounting hole. Position the antenna on the rib ensuring that the adaptor boot edges make close contact with the vehicle roof in all positions. Light downward force may be applied to the antenna in order to ensure that adaptor boot skirt edges will come into contact with the vehicle roof. Assemble the washer and nut from under the panel and tighten to 5Nm (3.6 ft lbs). Do not overtighten as this may damage the mounting surface. Check that the adaptor boot edges are co-incident with the mounting surface. Correct installation will result in the edges of the adaptor boot splaying outwards towards the mounting surface. Ensure that the antenna does not rotate during the final tightening process as this may compromise the integrity of the seal.

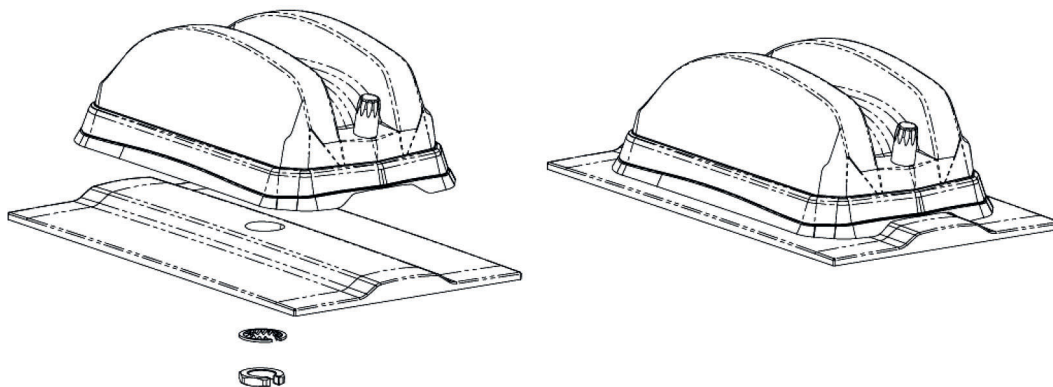


Fig 3. Mount antenna to vehicle roof

7. Notices



DO NOT

- install to vehicles other than specified make and models
- attempt to install the antennas without the proper safe equipment to access the install location.
- install the antenna in such a way that it may fall and cause injury.
- chew parts or put them in mouth, 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 "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.

Waiver: This document represents information compiled to the best of our present knowledge. It is not intended to be a representation or warranty of 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.