
Installation Guide for the Stemco Asset Interface Module (AIM)

The Stemco Asset Interface Module has been designed for quick and easy installation & removal. No hand tools are required for either task, but, the required steps must be followed carefully to ensure success. This procedure assumes the SkyBitz M/T is already installed.

1. LAYOUT PLANNING: SkyBitz M/T:

The SkyBitz M/T must be installed so the external communication cable connector is facing the rear of the trailer. If the M/T is already installed with the connector facing 'forward' it must be removed and turned 180 degrees.

2. LAYOUT PLANNING: AIM & Cable:

Lay the AIM & cable assembly on the roof of the trailer to establish a dry-run position relative to the M/T. The cable should have slack and make a 'S' shape to allow expansion & contraction without damage to the connectors. The cable slack will be constrained with cable hold-downs during the installation. Note that the correct location for the AIM is 'down stream' from the M/T with the cable pointing toward the M/T.

3. LAYOUT PLANNING: Mark Areas for Retainers (2x) and Cable hold-downs (3x):

With the AIM in the correct dry-run position, use some type of marker (pencil, felt tip) and roughly mark the areas where each set of retainers will be located. Also, mark where the three cable hold-downs will be located. The purpose of the marks is to show where the aluminum surface must be buffed and cleaned to provide a good adhesion surface for the VHB mounting tape.

Step 1: Attach Retainers (6x) to AIM unit

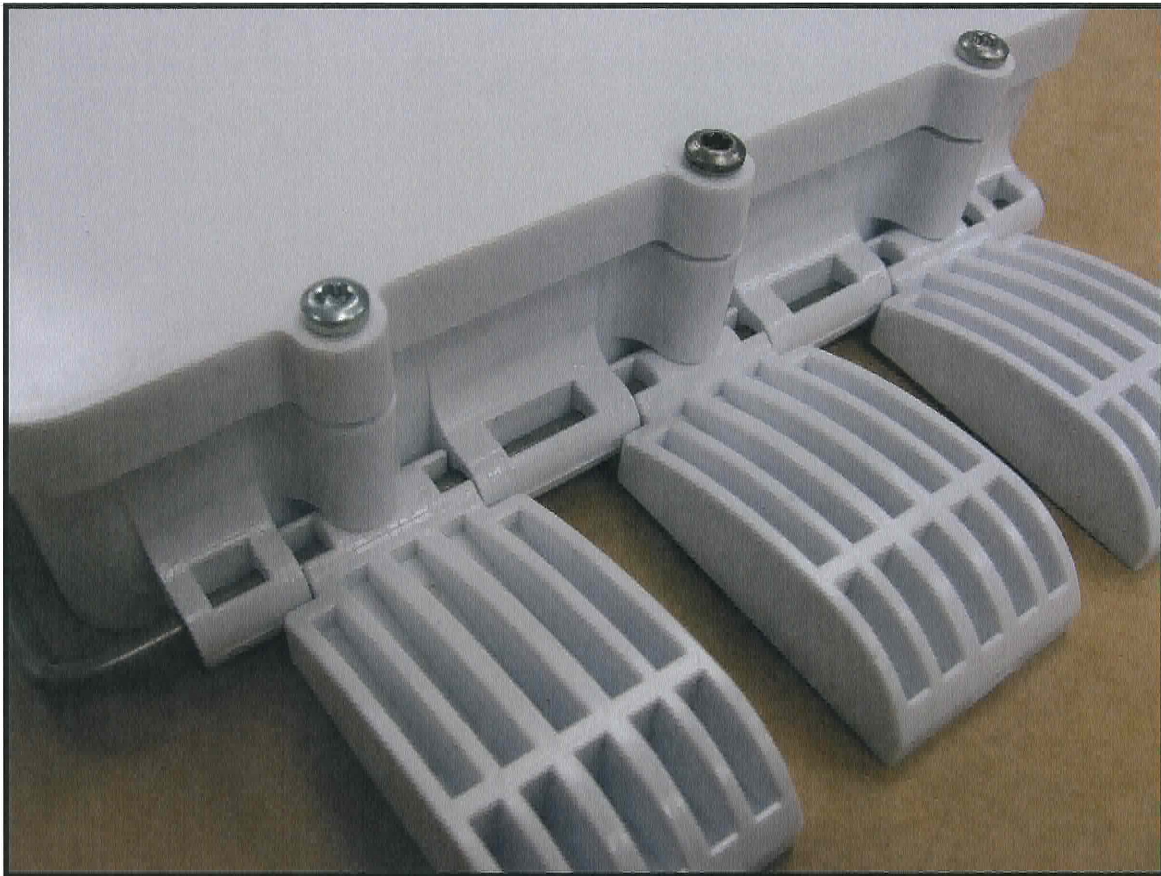


FIG. 1

Place the AIM unit on a flat surface and align each of the mounting retainers (3 per side) with the attachment rod hole. Pass the mounting rod through the assembly as shown. Do this procedure on each side of the unit.



FIG. 2

The mounting rod is secured by the detent and the spring loading provided by the rod, which is pushed under the screw boss, as shown.

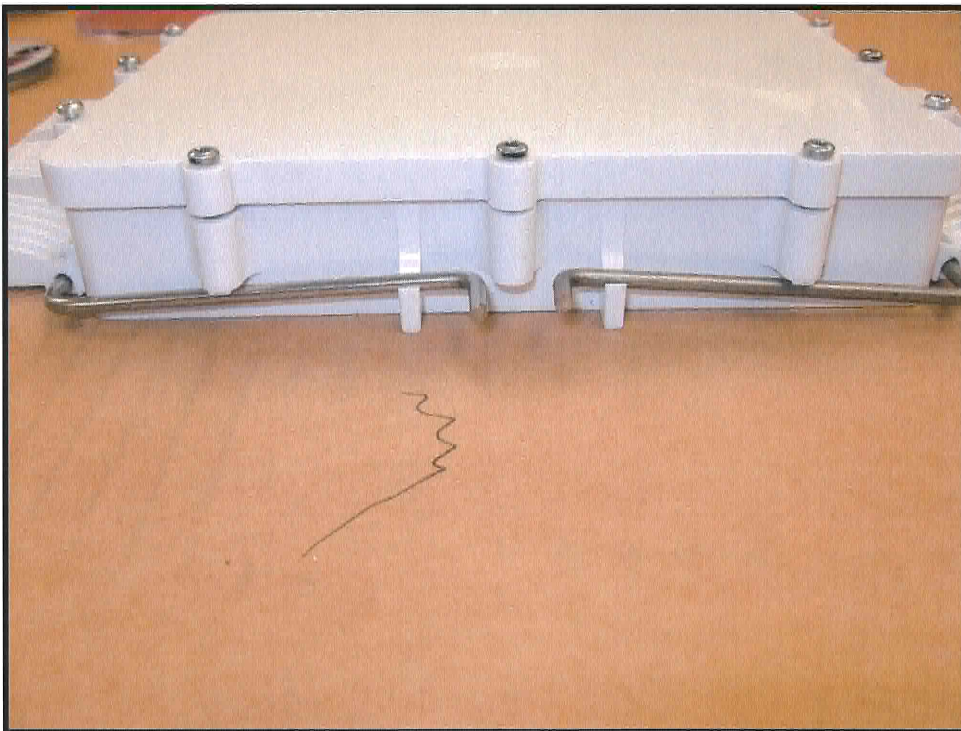


FIG. 3

View showing both rods/feet correctly installed

Step 2: Prepare the attachment surface

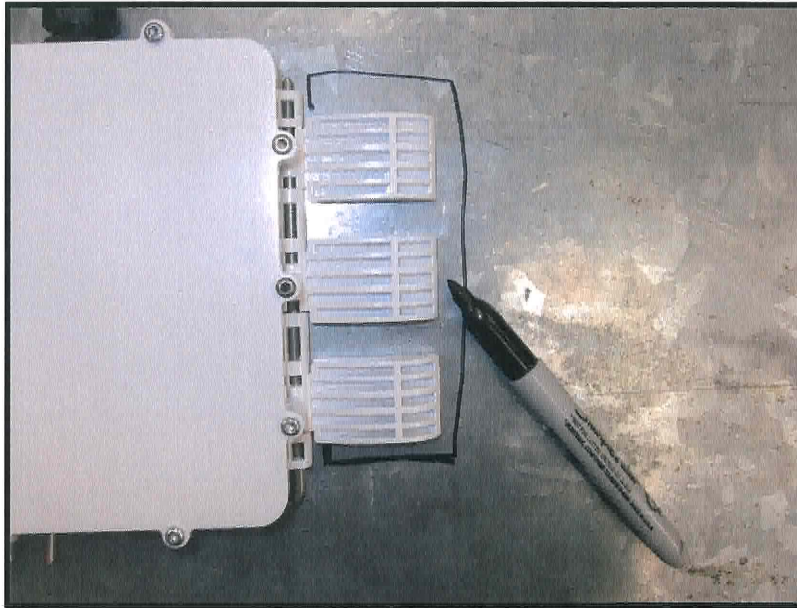


FIG. 4

Roughly mark the retainer attachment locations (both sides)

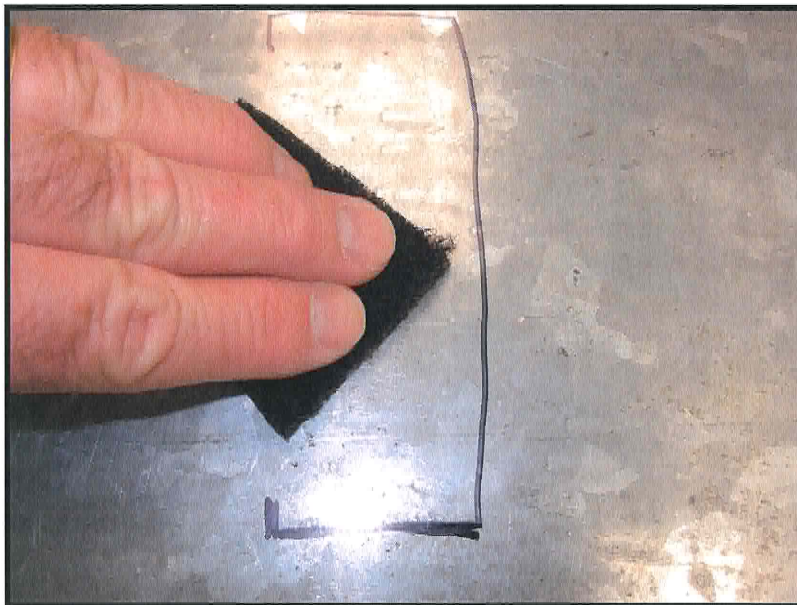


FIG. 5

Buff the marked areas with buffing pad until bright



FIG. 6

Clean the buffed areas with alcohol pad. Repeat with a fresh pad until no residue is visible on pad.

Step 3: Remove tape backing from each retainer

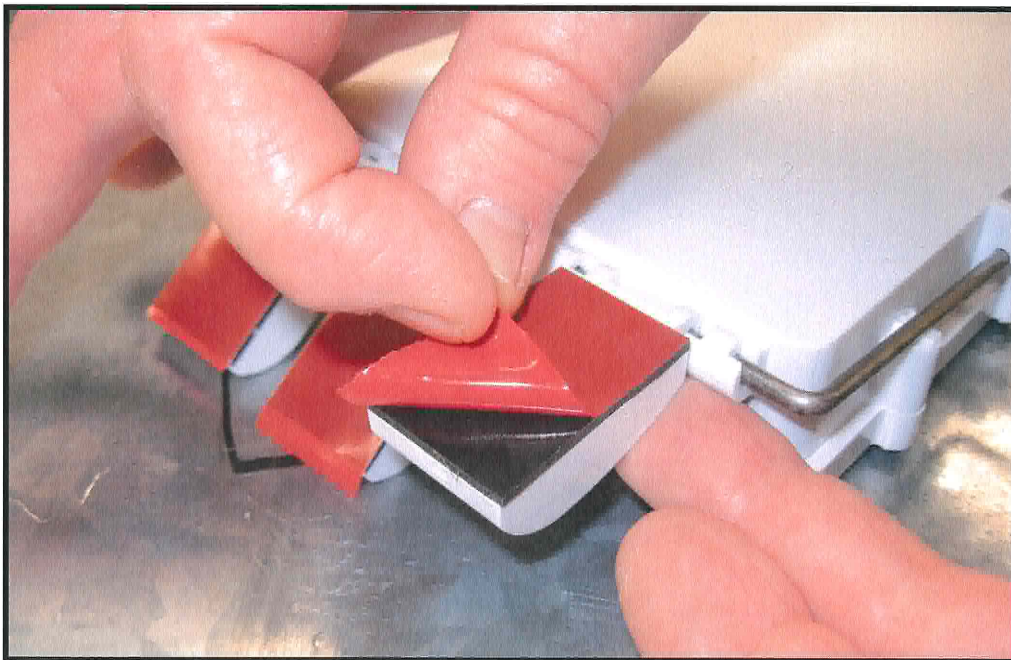


FIG. 7

Turn the AIM upside down, peel off and discard the release liner from each of the six retainers.

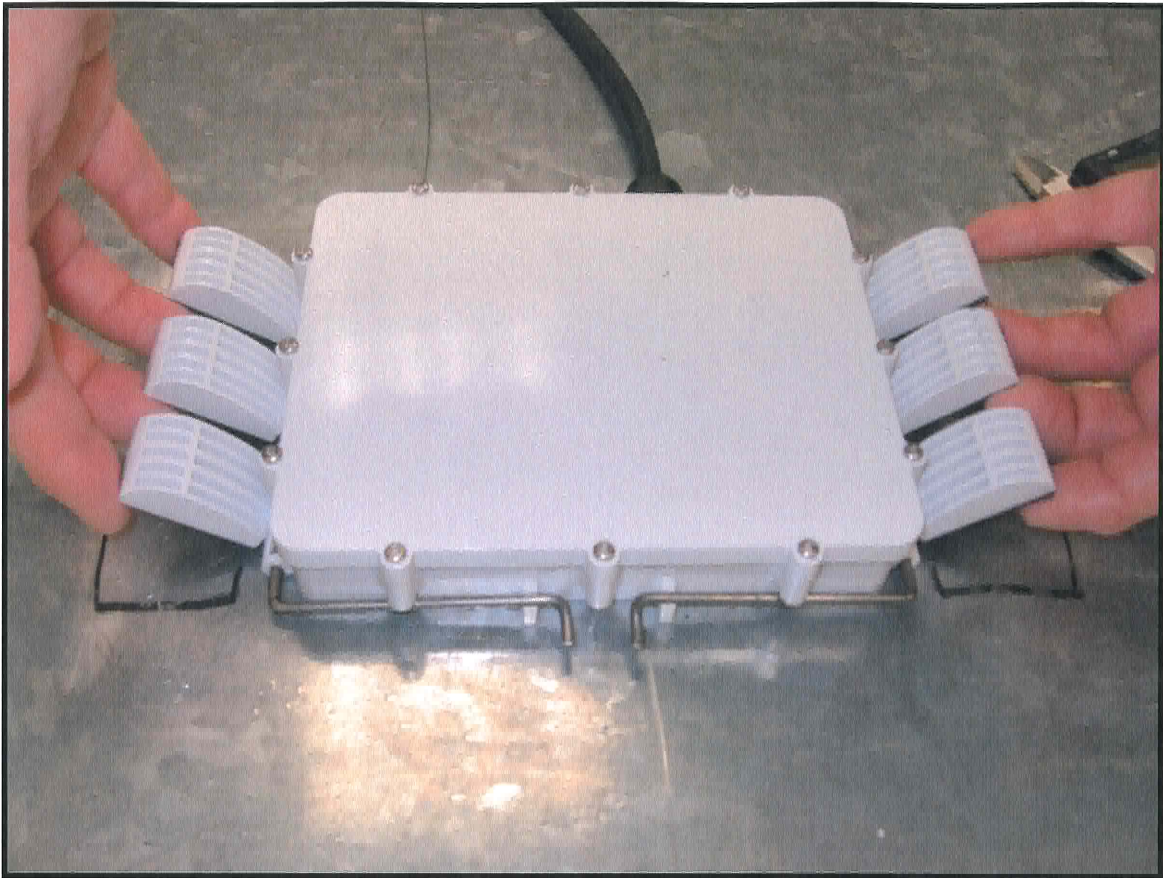


FIG. 8

Position the AIM over the desired location as shown while holding the mounting feet up. Minimize contact between fingers and tape. Place the unit at the designated position and then release the feet, allowing them to pivot down and make contact with the mounting surface. Push each foot down firmly against the mounting surface to ensure uniform contact.

The tape has instant adhesion, but the bond continues to develop over a period of days.

Step 3: Attach the cable hold-downs (3x):

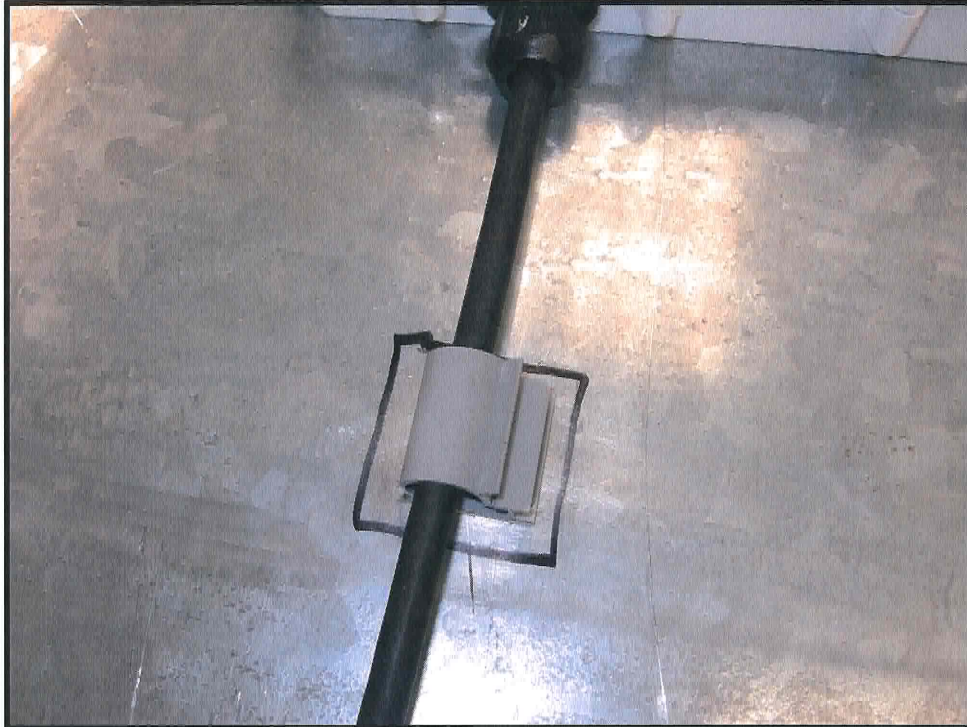


Fig. 9

Typical Cable Retaining Clip.

Repeat the buff-and-cleaning operation at each of the designated cable retaining clip locations. The cable should have 3 retainers. Remove the release liner and press on the retainer firmly to ensure good adhesion.

FINAL STEPS:

- 1. Attach the twist-lock cable connector to the M/T unit. Carefully note the alignment features inside the connector to prevent pin damage.**
- 2. Ensure the cable gland nut on the AIM is tightened. If pliers are used, do not over-tighten.**

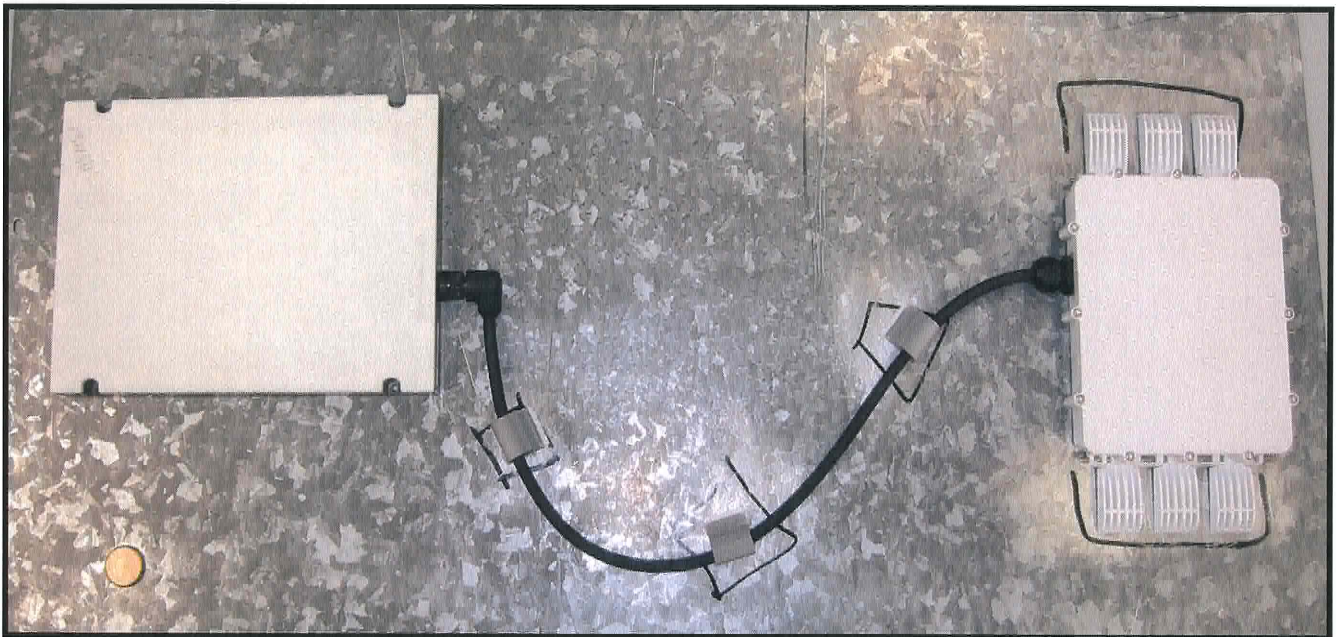


FIG. 10
Completed Installation

CERTIFICATIONS

This unit complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



FCC ID: SRA-8400000

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying Rf exposure compliance.