

MARK IV Industries Corp., I.V.H.S. Division

JANUS Interior OBUs Mounting Instructions Sheet

WARNING: For proper operation the vehicle must be equipped with one and only one properly mounted and presented E-ZPass® IAG Capture Compatible OBU for the duration of passage through an E-ZPass facility. Other E-ZPass IAG Capture Compatible OBUs or transponders present in the vehicle must be enclosed in an RF shield.

The JANUS interior OBU is the primary OBU recommended for all vehicles with the exception of the following:

- Vehicles fitted with metal oxide or equivalent RF blocking material coated windshields
- Vehicles with overhangs obscuring the windshield such as a metallic sun visor
- Vehicles with a metallic center divider post on the windshield
- Vehicles with concave windshields
- Vehicles where the OBU cannot be located within 2 inches on either side of the center of the windshield
- Vehicles with non-metallic roofs or soft-tops such as certain types of Convertibles and Jeeps
- Vehicles without a windshield center mounted rear-view mirror
- Vehicles where the OBU cannot be located within 2 inches from the metal roofline
- Vehicles where DMV (state or province equivalent) requirements prevent the use of windshield mount locations

An alternate OBU is recommended for these cases. Please contact your nearest Customer Service Center for information on obtaining an alternate OBU and applicable mounting instructions.

The following limitations apply to the placement of the JANUS Interior OBU:

- For proper operation it is imperative to select the correct OBU mounting location. The selected location must provide for direct line of sight communication between the OBU and the overhead antenna.
- In-vehicle or externally mounted Radio Frequency (RF) transmitter antennas operating in the 900 MHz band may interfere with the operation of the OBU. The associated RF transmitters must be switched off for the duration of passage through a toll facility.
- Cellular phones, pagers, two-way radios and other mobile handheld communication devices must not be located within 12 inches of the JANUS interior OBU
- Metal objects must not be located within 6 inches of the JANUS interior OBU with the exception of the vehicle roof and rear-view mirror
- The OBU when mounted must not impact the driver's visibility of the roadway or otherwise interfere with safe operation of the vehicle.

JANUS Interior/JANUS Feedback OBU Mounting Instructions for Passenger Vehicles

1. Identify the front face of the OBU. It displays your agency label and two upward-pointing arrows (Fig.-1). This side faces the driver with the arrows pointing toward the roof of your vehicle.
2. Identify the position in your vehicle in which the OBU will be mounted. The preferred location is between the exposed edge of the windshield (roofline) and the rear view mirror post as long as the clearances in Fig.-2 can be maintained. If there is insufficient room, the alternate location shown in Fig.-3 must be used.
3. Having determined the mounting position in your vehicle, clean the inside surface of that section of the windshield if necessary. Now carefully remove the protective backing from the Dual Lock® mounting strips on the rear of the OBU as shown in Fig. 4 and firmly press the rear of the OBU against the glass. Maintain the pressure for about 15 seconds to achieve a good bond.

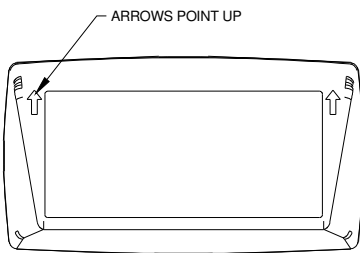


Fig-1: OBU Front Face

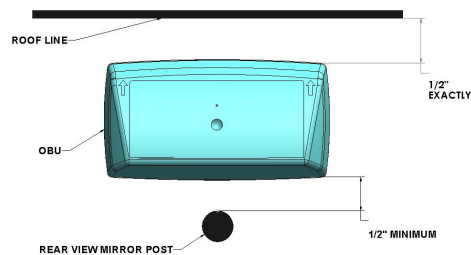


Fig-2: Preferred Mounting Location

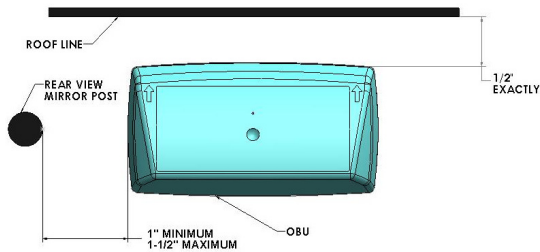


Fig-3: Alternate Mounting Location

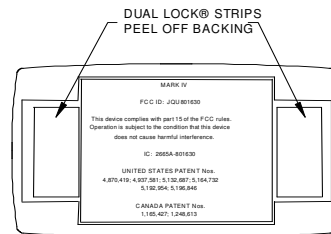


Fig-4: OBU Rear Face

The OBU may be removed by lifting any one corner with sufficient pressure to separate the Dual Lock® strips. Do not remove the Dual Lock® from the windshield and reuse it; obtain new strips from your nearest Customer Service Center.

JANUS Interior Secure OBU/JANUS Feedback Secure OBU Mounting Instructions for Passenger Vehicles

These mounting instructions are identical to the instructions for a standard JANUS Interior or JANUS Feedback OBU. The main difference is the application of the Secure Mount bracket on the windshield glass (Fig-5).

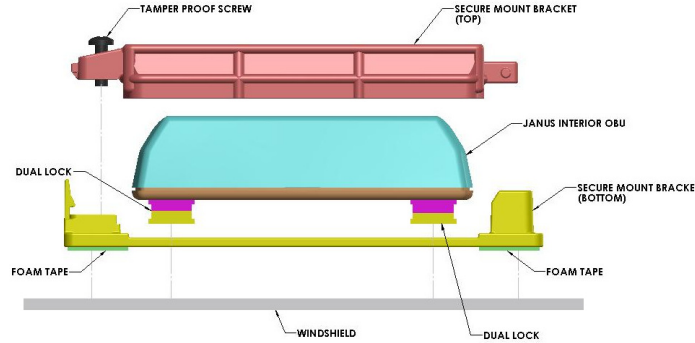


Fig-5: Securing a JANUS Interior or JANUS Feedback OBU

1. Identify the front face of the OBU. It displays your agency label and two upward-pointing arrows (Fig.-1). This side faces the driver with the arrows pointing toward the roof of your vehicle.
2. Identify the position in your vehicle in which the OBU will be securely mounted. The preferred location is between the exposed edge of the windshield (roofline) and the rear view mirror post as long as the clearances in Fig.-2 can be maintained. If there is insufficient room, the alternate location shown in Fig.-3 must be used.
3. Having determined the mounting position in your vehicle, clean the inside surface of that section of the windshield if necessary. Now carefully remove the protective backing from the Dual Lock® mounting strips on the rear of the OBU as shown in Fig. 4 and firmly press the rear of the OBU against the glass. Maintain the pressure for about 15 seconds to achieve a good bond.
4. Prepare the surface of the windshield for application of the 3M™ VHB™ acrylic foam tape adhesive per the instructions supplied on the last sheet of this document. Next carefully remove the protective backing from the 3M™ VHB™ acrylic foam tape strips on the rear of the secure mount bracket (Fig-5), place the bracket over the OBU and firmly press the rear of the bracket against the glass (Fig-6). Maintain the pressure for about 15 seconds to achieve a good bond.

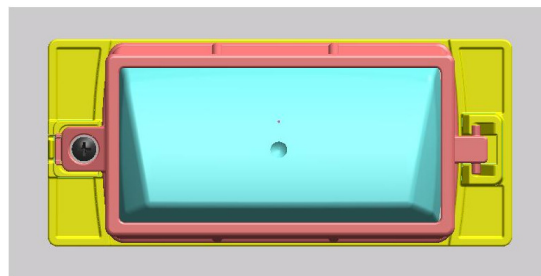


Fig-6: JANUS Interior Secure OBU Assembly

The OBU may be removed by:

1. Opening the tamper proof screw with a special tool and freeing the top half of the secure mount bracket from the OBU
2. Lifting any one corner of the OBU with sufficient pressure to separate the Dual Lock® strips.

Do not remove the Dual Lock® or 3M™ VHB™ acrylic foam tape from the windshield and reuse it; obtain new strips from your nearest Customer Service Center.

JANUS Permanent OBU Mounting Instructions for Passenger Vehicles

WARNING: The user is recommend to follow these instructions carefully and mount the JANUS Permanent OBU correctly on the first attempt. Once mounted removal from the windshield will result in permanent disablement of the OBU.

The JANUS Permanent OBU (Fig-7) is sensor equipped for detection of removal from the windshield.

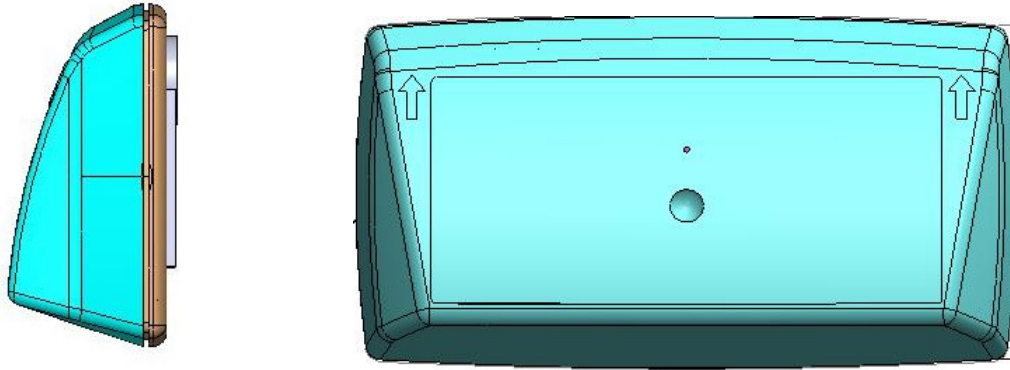


Fig-7: JANUS Permanent OBU Front and Side Views

1. Identify the front face of the OBU. It displays your agency label and two upward-pointing arrows (Fig.-7). This side faces the driver with the arrows pointing toward the roof of your vehicle.
2. Identify the position in your vehicle in which the OBU will be mounted. The preferred location is between the exposed edge of the windshield (roofline) and the rear view mirror post as long as the clearances in Fig.-2 can be maintained. If there is insufficient room, the alternate location shown in Fig.-3 must be used.
3. Prepare the surface of the windshield for application of the 3M™ VHB™ acrylic foam tape adhesive per the instructions supplied on the last sheet of this document. Next carefully remove the protective backing from the 3M™ VHB™ acrylic foam tape strips on the rear of the JANUS Permanent OBU (Fig-8) and firmly press the rear of the OBU against the glass. Maintain the pressure for about 15 seconds to achieve a good bond.

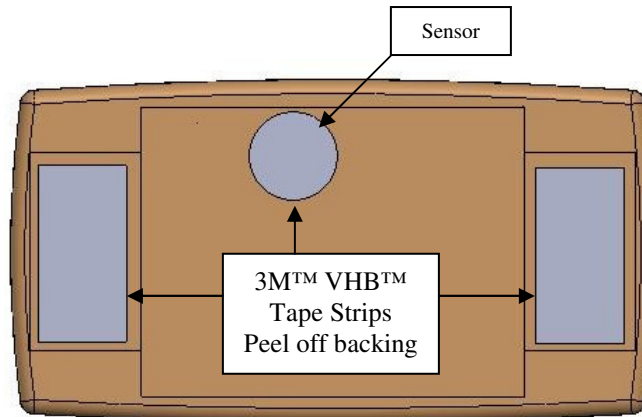


Fig-8: JANUS Permanent OBU Rear Face

General Procedure for Application of Dual Lock® and/or 3M™ VHB™ Tape

- Minimum adhesive application temperature to bonding surface shall be 15°C or higher. Initial tape application temperature below the suggested minimum is not recommended because the adhesive becomes too firm to adhere readily.
- Clean bonding surface with rubbing alcohol and dry. Surface must be free of moisture and any surface contaminants.
- Carefully remove the protective backing paper from the adhesive strips on the rear side of the OBU or secure bracket and firmly press it against the glass. Maintain the pressure for about 15 seconds to achieve a good bond.
- Once the adhesive is applied to the windshield, do not remove the item from the windshield and reuse it. Obtain new strips from your nearest Customer Service Center.
- Allow the adhesive to cure on the windshield for 20 minutes prior to any removal of the OBU.