

EDGE Pass Tag Installation Instructions



Disclaimer

This document provides instructions for the correct RFID tag (sticker) placement in trucks and passenger cars.

Please note that the tags are fragile and cannot be removed without damaging them once they have been installed. Please use care to install them properly. You will be charged a full replacement fee for any damaged tag.

For assistance, please contact MDOT at MDOT-BWB-CustomerCare@Michigan.gov.

Common Mistakes

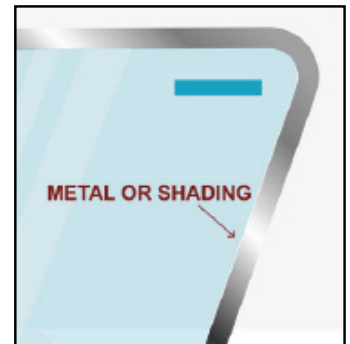
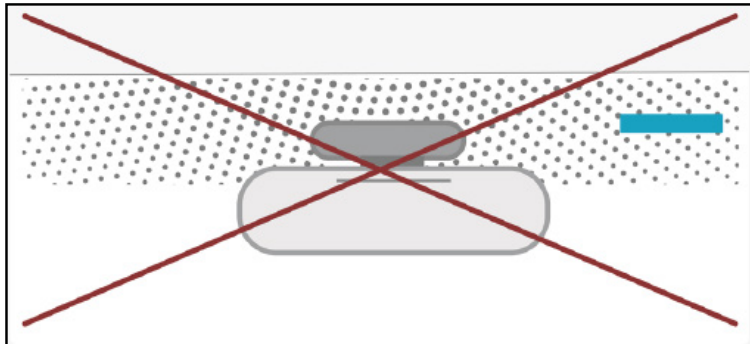
Metal oxide windshields

Some vehicle models are manufactured with a metal oxide windshield. These metalized windshields will prevent the tag from successfully communicating with the roadside system. Some manufacturers of vehicles with metallized windshields will leave a small metal-free area specifically for the installation of RFID tags. These metal-free zones are not visible to the naked eye; however, they are typically located close to or behind the rear-view mirror. Please confirm this location with your vehicle's manual and/or your vehicle's manufacturer. For reference, the Bay Area Toll Authority maintains a list of vehicles with metal oxide windshields:

<https://www.bayareafastrak.org/en/common/docs/MetalOxideWindshieldList.pdf>

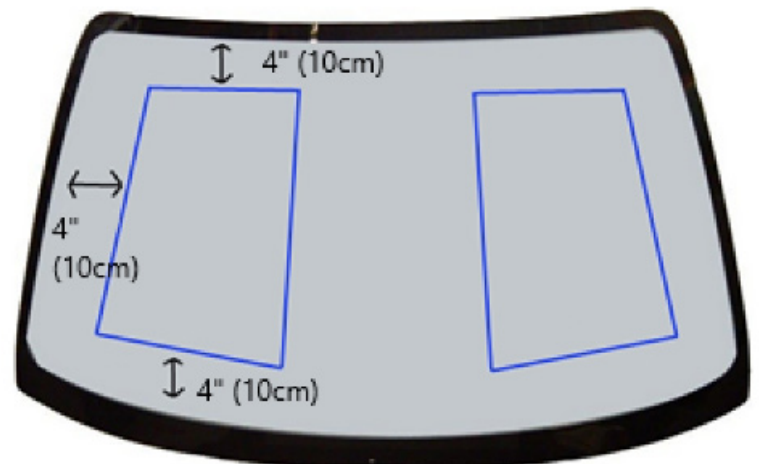
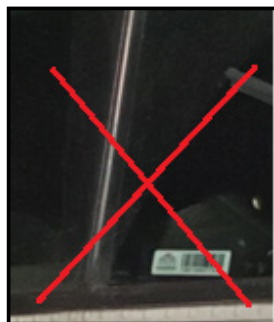
Avoid painted surfaces

Paint usually contains metallic particles that will block part or all of the RF signal, causing the tag not to be read by the system.



Ensure appropriate distance from the edges or metallic parts

The tag should be installed at least 4 inches (10 centimeters) or even more, if possible, away from any metallic surface like the windshield edges or the beam holding the rearview mirror. Some trucks may also have a metal rod separating the left and the right parts of the windshield. These metallic parts may distort or attenuate the RF signal and lower the chances that a tag will be read.



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Beware of windshield wipers

The tag should be installed far away from the windshield wipers. Some trucks may also have their wipers positioned vertically when not used, instead of horizontal. Please remember to keep at least 4 inches (10 centimeters) away from metallic surfaces; wipers are usually metallic.



Installation orientation

Tags must be installed horizontally (tags installed vertically will not work).

The following picture shows three installation errors on the same truck:

1. Close to the vertical metallic support rod
2. Behind the wipers
3. Right next to another tag

Avoid proximity with other tags

The RFID tag should not be installed close to other tags. Allow at least 2 to 3 inches (7.5 centimeters) distance between the tags or install the tag on a different location, if possible.



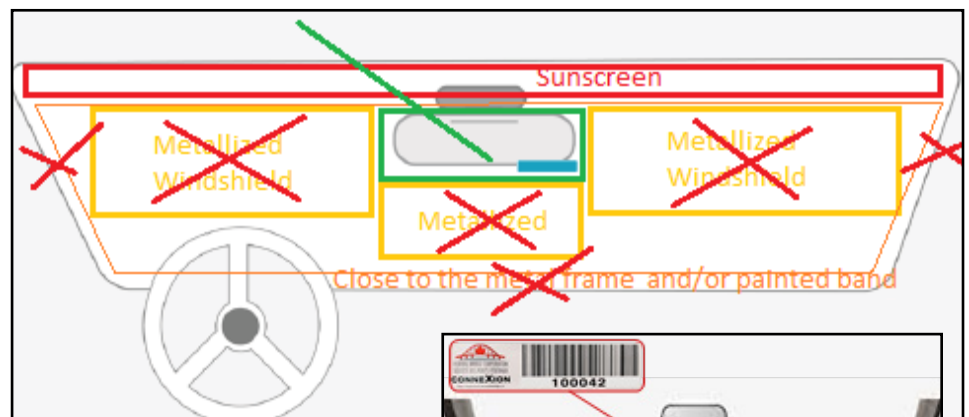
Recommended Tag Placement

Passenger cars and SUVs

Please follow these guidelines when installing the EDGE Pass tag in a vehicle that is less than 8 feet in height:

The location should be cleaned of dust and grime prior to installation. As shown in the illustration, the tag should be installed in the shaded area illustrated below on the inside of your vehicle's windshield. The tag should be installed away from the metal window frame, behind the rearview mirror, to not impede the line of sight and 4 inches (10 centimeters) away from the rearview mirror. Note that many vehicles have electronic devices such as GPS units, radios and navigational compasses installed in the rearview mirror. These electronics can interfere with the operation of the transponder. Transponders must be installed a minimum of 6 inches (15 centimeters) from electronic devices. Tags should be placed horizontally.

Place on the non metallized part and far away from metallic objects



Please contact your vehicle manufacturer or check your vehicle manual to identify the non-metallized area and place the tag there.

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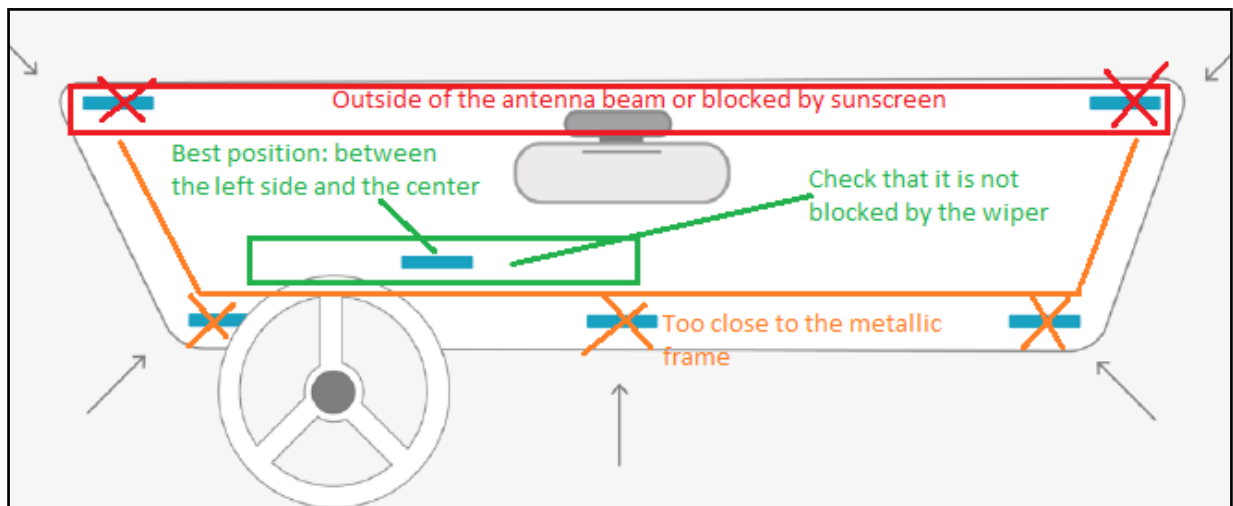
Trucks

Please follow these guidelines when installing the EDGE Pass tag in a vehicle that is 8 feet in height or above:

The location should be cleaned of dust and grime prior to installation. As shown in the illustration, the tag should be installed in the area illustrated below on the inside of your vehicle's windshield. The tag should be installed a few centimeters away from any metal frame, not impeding the line of sight. If a vitally important sticker, tag, or other device is already in that spot, please mount the EDGE Pass tag slightly below or next to it. Tags should be placed horizontally.

(Note: If the vehicle is a car carrier, you may need a different type of tag. Please contact MDOT at MDOT-BWB-CustomerCare@Michigan.gov.)

Please contact your vehicle manufacturer or check your vehicle manual to identify the non-metallized area of your windshield and place the tag there.



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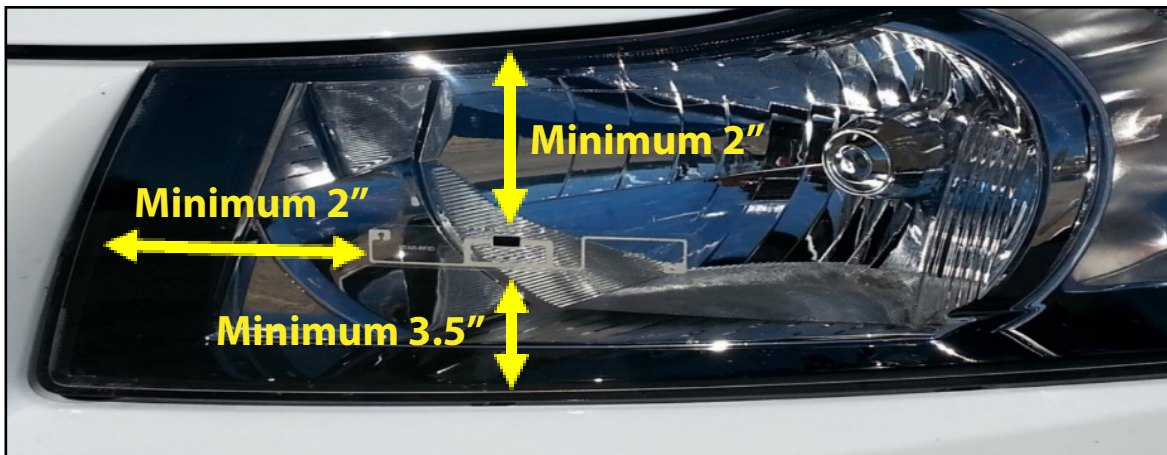


Motorcycles

For installation on a motorcycle, you will need a headlamp tag. The headlamp tag must be attached to the motorcycle's headlight. Please see the next section for headlamp tag placement. (A motorcycle windscreen may also work but the headlight is preferred.)

Headlamp tags

1. Check with the manufacturer or the vehicle manual if the headlamp glass contains metallic particles. Even though the tag is placed on the outside surface, there may be interference.
2. Avoid placing the tag too close to the headlamp frame. Additional frames may also interfere. Place at least **2 to 3 inches (7.5 centimeters)** away from the frame.



3. Place the sticker horizontally.
4. Place the sticker facing the antenna and not on a curved surface.

