

# eGo® Plus Mini External Tag

## AT5480/AT5490

### Installation Instructions

16-0028-002 Rev C 06/2020

These instructions describe how to install the eGo® Plus AT5480/AT5490 Mini External tag. This versatile tag is ideal for applications that need a weather-resistant and exterior-mounted solution.



Figure 1 – AT5480 or AT5490 mini external tag

## Required Supplies

- AT5480 or AT5490 Tag
- Rubbing alcohol, 50/50 isopropyl alcohol and water, or solvent/cleaner for metal
- Sponge and dry cloth

## Choose a Location for Your Tag

The tag is designed to mount on the vehicle exterior. It is attached to the vehicle with two semi-permanent adhesive strips. The mounting surface can be flat or slightly curved, and made of glass, metal, or plastic.

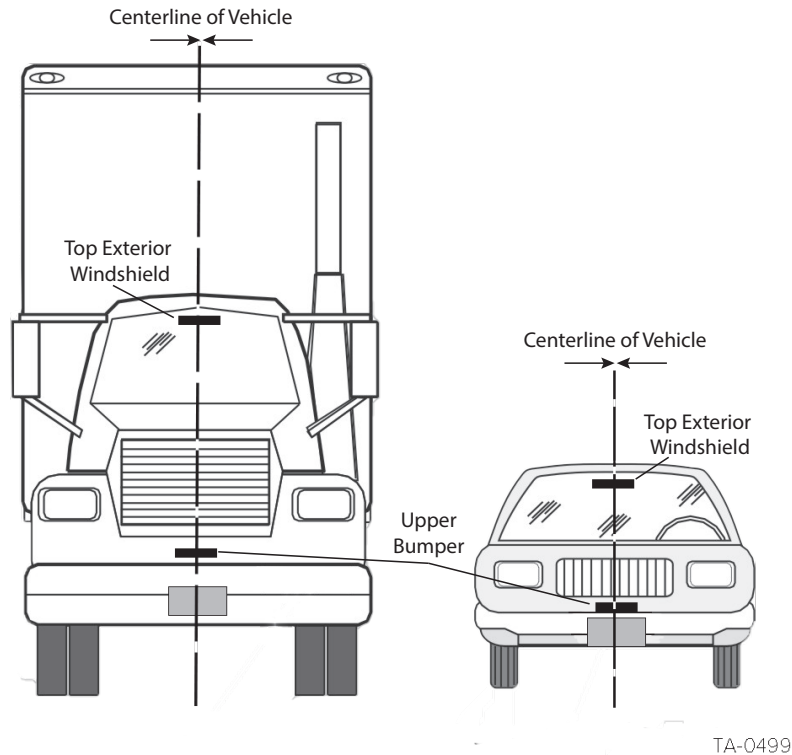
**Table 1** lists some possible locations for the AT5480/AT5490.

**Table 1 Possible Locations for the AT5480/AT5490**

Location	Performance
Center-top windshield	Best
Top of bumper (45° angle)	Good
Bottom-center windshield	Fair
Grille	Fair
License Plate Area	Not recommended

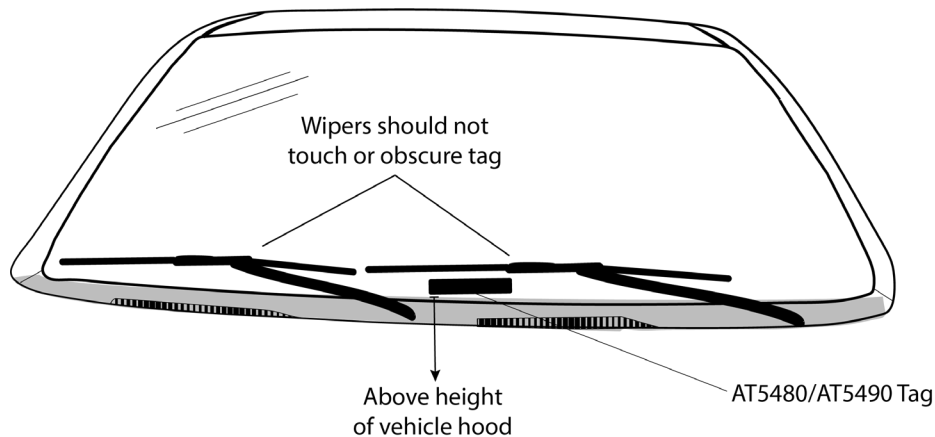
## Installation Instructions

- The tag works best when it is positioned higher up on the vehicle.
- The front view of the tag must be pointed toward the front of the vehicle.
- The tag location should be near the centerline of the vehicle. The optimal location is the top-center of the windshield. The upper part of the front bumper may be an acceptable location if the tag can be positioned at an approximate 45° degree angle with no obstructions in the area (**Figure 2**).



**Figure 2 – Top center windshield or upper front bumper**

- The bottom-center of windshield is a possible location for the tag in an area where the tag is above the height of the vehicle hood and below the wipers (**Figure 3**).



**Figure 3 – Bottom-center of windshield**

- Position the tag so that no part of the vehicle obscures the tag, including the windshield wipers (Figure 4).

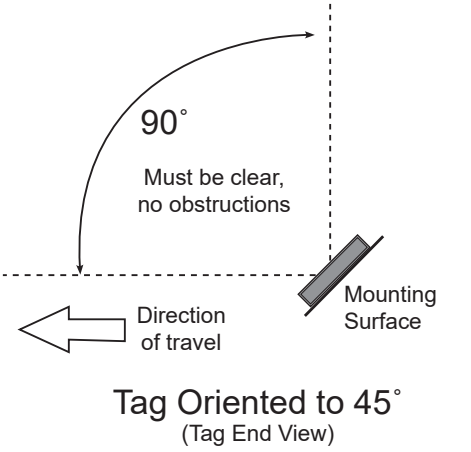


Figure 4 – Correct exterior placement

- Ensure that there are not other operational RFID toll tags on the vehicle.
- The tag must be polarized with the long edges oriented horizontally (Figure 5).

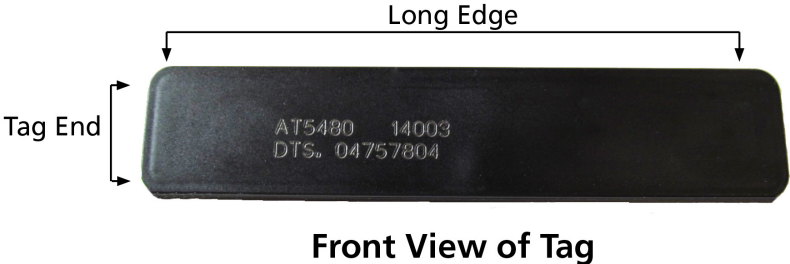


Figure 5 – Tag Polarization

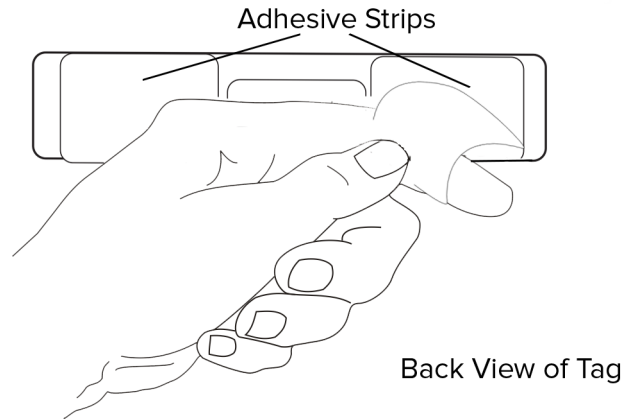
## Install the Tag

Once a location for the tag has been determined, prepare the area where the tag will be installed. For best results, install the tag when the outdoor temperature is between 70°F (21°C) to 100°F (38°C)

*Note: Installation is semi-permanent.*

1. Clean and degrease the installation area with solvent or cleaner. Dry the area thoroughly using a clean dry cloth.

2. Remove the backing from both of the adhesive strips located on the back of the tag (**Figure 6**).

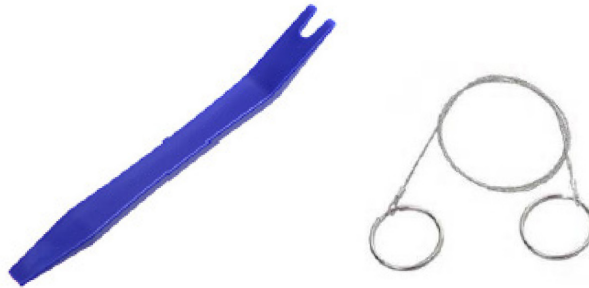


**Figure 6 – Removing backing from adhesive strips**

3. Position the tag over the installation area.
4. Press both ends of the tag firmly against the mounting surface.
5. Allow the adhesive to cure for a minimum of one hour to ensure a firm bond.

## Removing the Tag

If the tag needs to be removed, use a tool specifically designed for removing high-bond adhesive tape from a hard surface. Failure to do so can result in damage to the mounting surface. TransCore recommends using a plastic trim removal tool or a string saw. (**Figure 7**).



**Figure 7 – Removal tools**

1. Slide the removal tool between the transponder and the mounting surface.
2. Working in small sections, gently pry or cut the adhesive away from the windshield glass. Liquid soap may be used as a lubricant.
3. When the bond has loosened, remove the tag.
4. Soften the adhesive residue remaining on the mounting surface with a commercial adhesive remover. Allow the solvent to soak for 5-15 minutes, then use a scraper to remove any remaining adhesive.



**For more information:**

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