



Transponder Installation and User's Guide

INSTALLATION

The transponder (type: Mark IV TDMA) is designed to be mounted inside the cab on the windshield where the driver can observe the transponder without removing his/her eyes from the road. When selecting a location for mounting the transponder, make sure that (1) it is at least 4 inches away from any metal (such as windshield frame) and (2) it is not blocked by any opaque object (such as a windshield visor).

The transponder should be mounted such that the back of the transponder is facing toward the front of the vehicle.

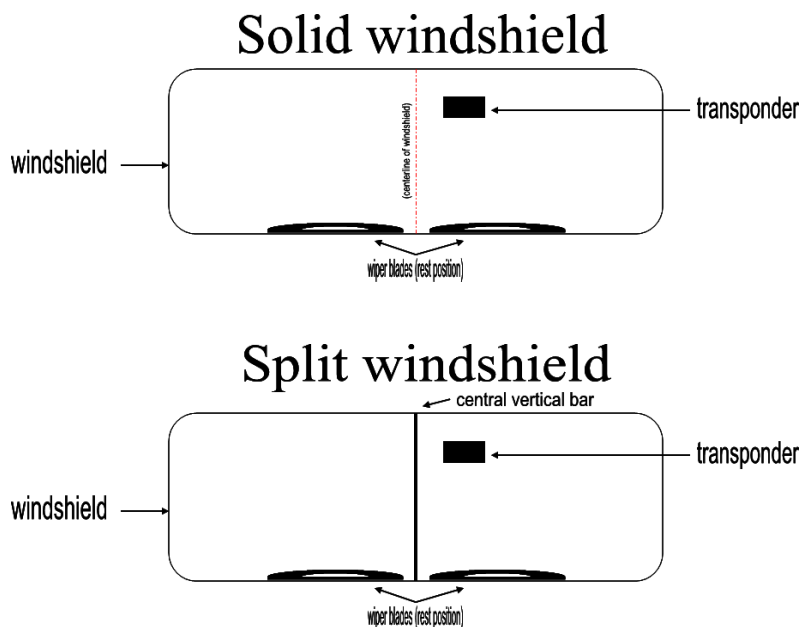
Transponders are assigned to specific VINs and MUST NOT be moved from one vehicle to another.

Installation Procedure

1. Thoroughly clean the area of the windshield where the transponder adhesive strips are to be mounted with the provided alcohol wipes. Allow to dry.
2. Peel the backing tape off of the mounting pads and simply attach the transponder to the windshield. Press firmly and do not remove the transponder from the glass, as this weakens the adhesive.

Transponder Positioning

Never place the transponder in a position that interferes with the driver's view to drive safely. Antennas, transponders, and similar devices must NOT be mounted more than 6 inches below the upper edge of the windshield. These devices must be located outside the area swept by the windshield wipers, and outside of the driver's sight lines to the road and highway signs and signals. (49CFR393.60e)



HOW THE TRANSPONDER WORKS

The transponder has an audible tone and two visible indicators (lights). The light AND the audible tone will appear/begin approximately 8 seconds after crossing the WIM and 1 second before reaching the notification (second) antenna.

If the Weigh Station sign indicates that the Weigh Station is CLOSED but the transponder signal is RED...DO NOT pull in to the Weigh Station.



BY-PASS INDICATION - When given the proper authorization, the GREEN light will be illuminated and the driver is to bypass the weigh station.



PULL-IN INDICATION - When authorization is not received the RED light will be illuminated and the driver must pull into the station. If a pull-in indication (RED light) is ignored, the transponder will continue to flash red for 15 minutes and the weigh station operator will notify enforcement personnel of the illegal bypass.



NO INDICATION - If there is NO indication given by the transponder (no light illuminated and no audible tone), the driver must pull into the open weigh station or (if applicable) follow roadside directional signs.

HOW TO USE THE TRANSPONDER

When approaching a Weigh Station, the driver **SHOULD**:

- be in the WIM (outside) lane
- travel at a smooth CONSTANT rate of speed up to and over the WIM
- make sure the vehicle's wheels are aligned midlane over the WIM

When approaching a Weigh Station, the driver should **AVOID**:

- excessive speed
- change of speed
- following too close to another vehicle
- lane changes
- excessive braking prior to reaching the WIM scales
- straddling lanes

These types of occurrences may cause a manipulation error and initiate a "red light" signal from the Weigh Station.

TRANSPONDER MAINTENANCE

No part of the Mark IV TDMA transponder is user-serviceable. If a transponder is found or believed to be inoperable, please return it to DOT&PF/MSCVE; it will be replaced at no charge.