

GAT Longrange Tag 860 Windscreen Positioning

Application

The GAT Longrange Tag 860 passive transponder is designed to allow vehicles to be automatically identified and must be correctly positioned on the windscreen for optimal functionality. The ideal position for the transponder essentially depends on the type of windscreen.

Transponder position

To find the optimal position for the transponder, removable adhesive tape can be attached to the inner side of the windscreen to test different positions. Only after determining the optimal position may the transponder be permanently attached, as the bonding adhesive is destroyed when the transponder is removed from the windscreen.

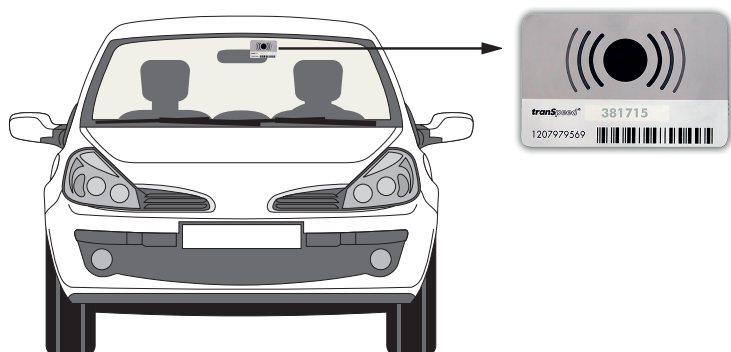
To ensure all vehicles are correctly identified, the distance and orientation of the transponder in relation to the reader should be fine-tuned. For tall vehicles (e.g., off-road vehicles or vans) the transponder should be mounted at a lower height on the windscreen if possible. Pay attention to the following information to ensure the best possible transponder functionality.



Attention: General warning: the transponder must not restrict the driver's field of vision!

Normal windscreens (without metallised and heating sections)

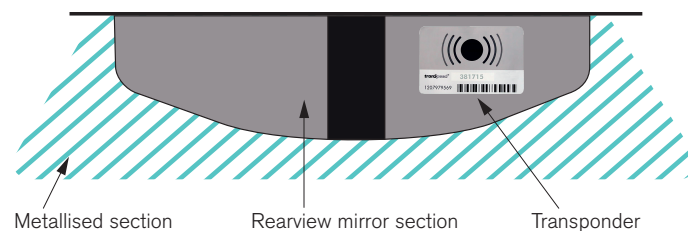
The mounting position is largely uncritical. The transponder should be mounted centrally, or on the same side that the reader is installed, at the top of the windshield (e.g., behind the rearview mirror). The transponder must also be installed away from the windscreen wiper area.



Attention: The transponder must not be mounted directly near the edge of the windscreen (recommended distance: at least 5 cm).

Windscreen with partially metallised section

These windscreens usually have a non-metallised section, which is darkly tinted and thus optically visible, in the area around the rearview mirror. More detailed information can usually be found in the manual for each vehicle. The transponder should be mounted as centrally as possible in this section.



Attention: The transponder will not function when mounted in the metallised section (shown in blue above).

Vehicles with completely metallised windscreens

The transponder does not function correctly when mounted behind the metallised section of the windscreen. Installation of the transponder is therefore not possible for vehicles with a completely metallised windscreen.

Vehicles with heated windscreens

It is recommended to mount the transponder in an area without windscreen heating wires (usually to the side of the windscreen), as vertically and as high as possible. The transponder will function when mounted behind the windscreen heating wires, however the range is limited.

Positioning summary

Windscreen type

Mounting position

Standard windscreens

- Top centre (near the rearview mirror)
- Away from the windscreen wiper area
- Minimum 5 cm distance away from the edge of the windscreen

Picture



Windscreen type

Mounting position

Metallised windscreen with non-metallised section

As centrally as possible in the non-metallised section (usually dark tinted section, top centre)

Picture



Windscreen type

Mounting position

Windscreen with heating wires (heated windscreen)

In the section without heating wires, as high and as centrally as possible between the windscreen edge and the heated section

Picture

