

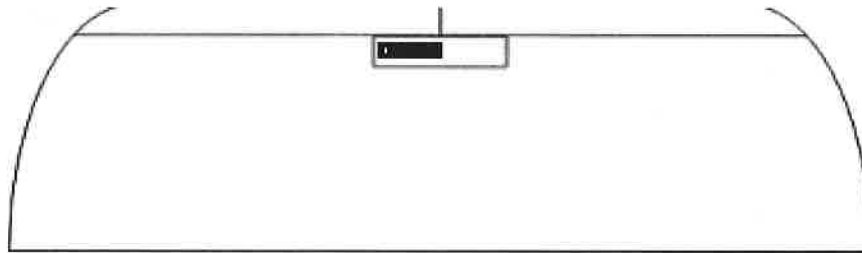
RFID Gate Access Transponder

The non-transferable transponder is mounted directly to the inside of the windshield in order to properly read. This transponder does not require a battery.

Depending on your installation, the readers might be located on the left or on the right of the roadway. Optimum placement of the tag should allow the signal to bounce back to the reader.

Locating the Transponder

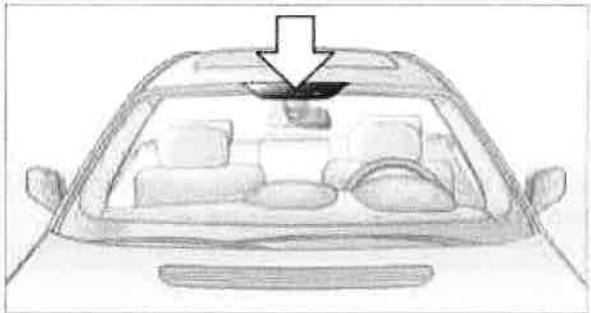
Do not Remove the backing on the transponder until the location and operation of the tag have been verified. Use the test wand to verify the best location in the vehicle



1. Use a small piece of tape to secure the transponder to the inside of the windshield. This allows you to make adjustments.
2. Place the transponder on the center of the windshield 2 inches from the top
3. Do not place the transponder behind after market tinting. This tinting may contain metallic material that can block RF signals.
4. When selecting a mounting location, ensure the transponder does not impair your vision.
5. If the windshield contains Metal Oxide, either in the glass or as a coating, transponder RF performance will be compromised.
6. Alternate locations may include
 - behind the plastic bumper
 - inside the rear-view mirror
 - on the headlight (please use our headlight tag)

Please refer to the owners manuals for the proper placement. If not sure, contact your automobile dealer. The SunPass keeps also a list of vehicles at <https://www.sunpass.com/specialWindshields>
Here are some extracts from the owners manuals of BMW, Mercedes, VW Passat, Range Rover.

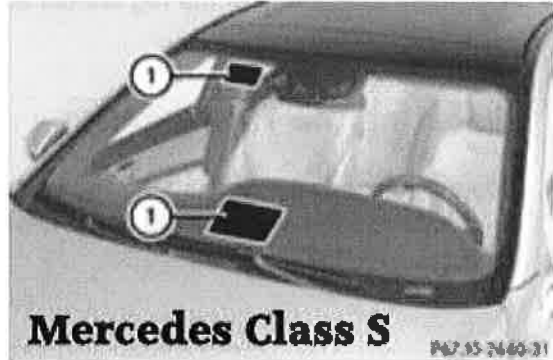
Entry/pass tags BMW 750 LI



Infrared windshield technology has been used on your vehicle to minimize solar heating of the vehicle interior. This technology also reduces the ability of electronic devices to transmit and receive through the windshield, which will impair their performance and operating range.

If you want to place an electronic toll collection device or entry/pass tags behind the windshield, please use the area marked in the illustration. This area is clearly visible from inside the vehicle.

Infrared reflective windshield



The infrared reflecting glass prevents the vehicle interior from becoming too hot. It also blocks radio waves up into the gigahertz range.

In order to operate radio-controlled equipment, e.g. toll systems, areas ① on the windshield are permeable to radio waves. You can install radio-controlled devices in these areas.

These areas can best be seen from outside the vehicle by observing the light reflected off the windshield.

Passat Manual

Windshield made of heat-insulating glass

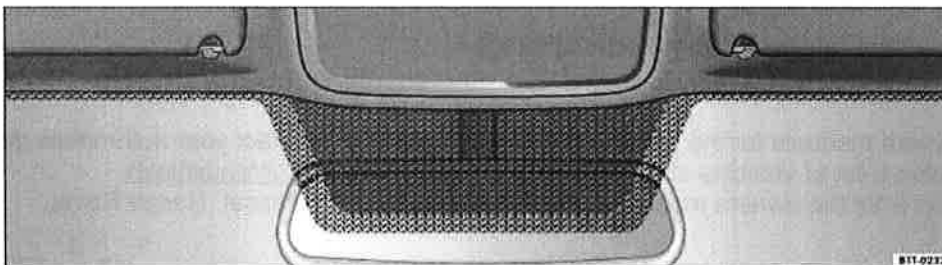
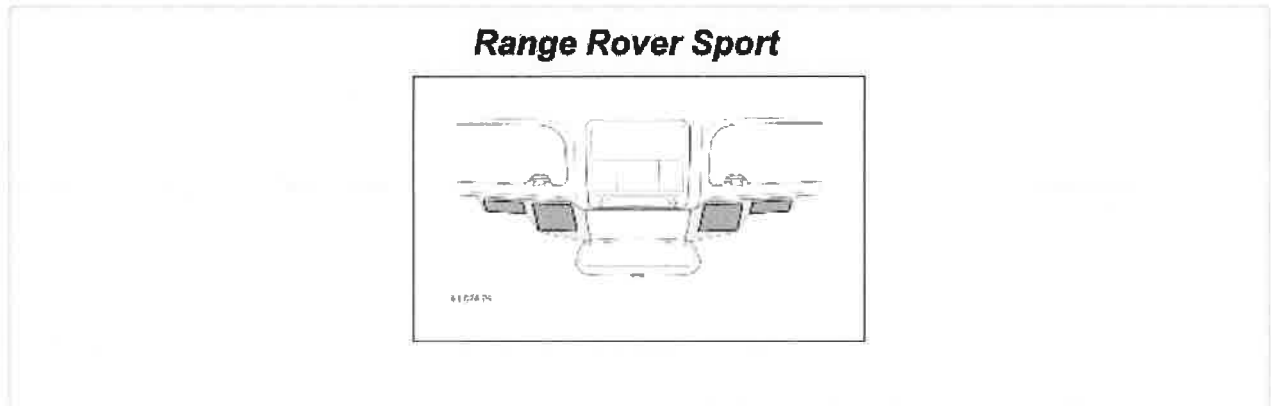


Fig. 78 Heat-reflective windshield with communications window (blue shaded area).

SOLAR ATTENUATING GLASS

This type of windshield filters sunlight passing through a special laminated layer.



Electronic actuating cards, such as toll road payment cards or Radio Frequency (RF) ID tags, can be fixed at the dedicated locations, on the inside of the windshield. If these cards are located at any other part of a solar attenuating windshield, the electronic scanners may not recognize them.

The fixing location is at the top of the windshield as shown, close to the interior rear-view mirror.