

LiftMaster Vehicle RFID Tags

LMHNTG Hang Tag and LMUNTG LiftMaster Dual-Purpose Vehicle RFID Tag (Windshield/Headlamp)



WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

UHF RFID Tag Mounting Instructions

LiftMaster Proprietary RFID Tags must be used with LiftMaster RFID Long Range Reader (LMSC1000). The tags are high performance radio frequency identification devices. They have been designed to be installed on the interior (LMHNTG/SPLMHNTG LiftMaster RFID Hang Tag and LMUNTG/SPLMUNTG LiftMaster Dual-Purpose RFID Tag [Windshield/Headlamp]) or exterior of the vehicle (LMUNTG/SPLMUNTG LiftMaster Dual-Purpose RFID Tag [Windshield/Headlamp]). LMUNTG Tag can be installed on surfaces that are made of glass, plastic or fiberglass. When mounted on the windshield, these tags are designed to not interfere with the vision of the driver. Installation of the LMUNTG is critical, as when installed properly the tags are designed to not interfere or obstruct the headlamp's beam per United States DOT specifications. Additionally, the LMUNTG offers an unmatched level of security as their design does not allow them to be removed or transferred once mounted to the vehicle.

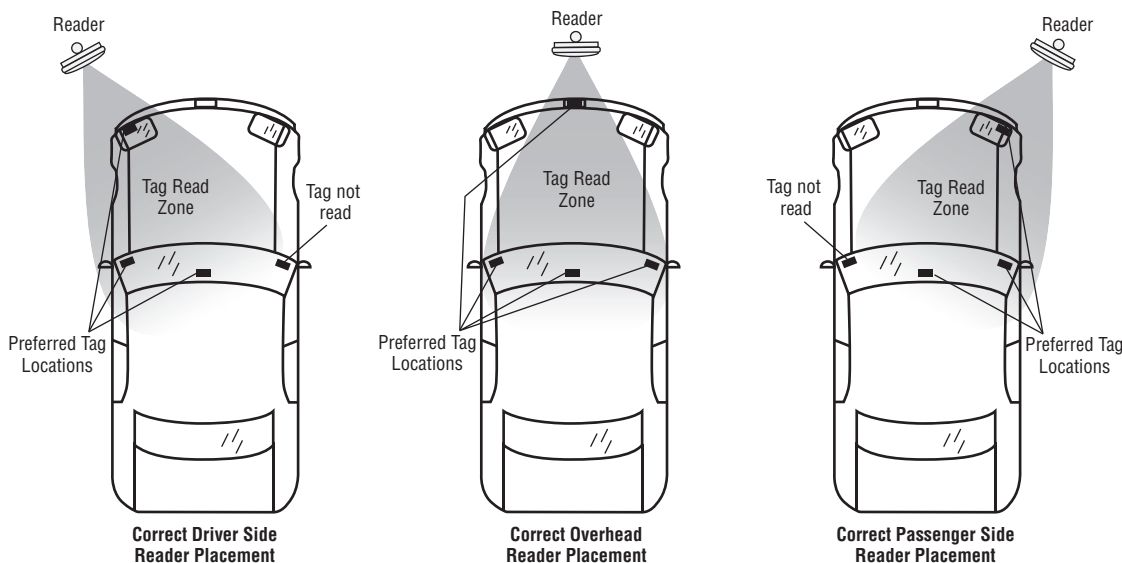
All LiftMaster tags have been tested to withstand a variety of environmental conditions such as UV exposure, vibration, temperature and humidity cycles. Tags have been engineered for the rigors of automotive use, but handle carefully during installation process.

NOTE: Please consult your local and state vehicle ordinances to determine the allowable mounting locations for this type of tag. Due to the wide variance in windshield design, this document is intended as a general guide and not inclusive of all vehicle makes and models. This document serves to supply only general guidelines for the correct handling and installation of tags.

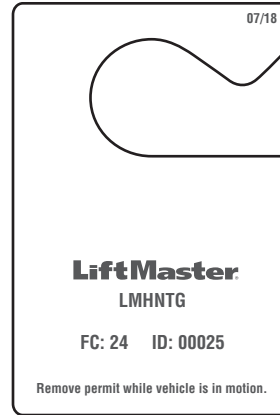
NOTE: If the facility code is not visible on the tag it will be "000".

Choosing a Proper Tag Mounting Location

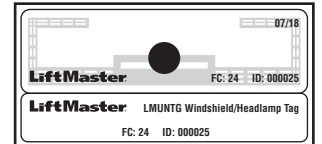
For optimum performance, the LMUNTG/SPLMUNTG LiftMaster Dual-Purpose RFID Tag (Windshield/Headlamp) must be installed on a windshield location or other suitable mounting point that is facing the RFID reader during normal driving. Hang Tags (LMHNTG) should be attached to your rear view mirror for best results.



NOTE: Use LMHNTG for rear view mirror tag location and LMUNTG for all other tag locations.



**LMHNTG/SPLMHNTG*
LiftMaster RFID Hang Tag**

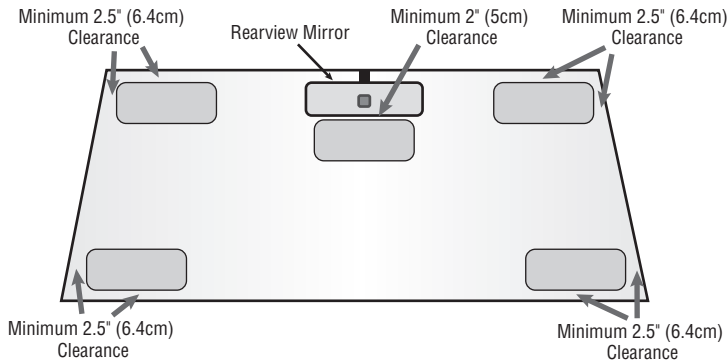


**LMUNTG/SPLMUNTG
LiftMaster Dual-Purpose RFID
Tag (Windshield/Headlamp)**

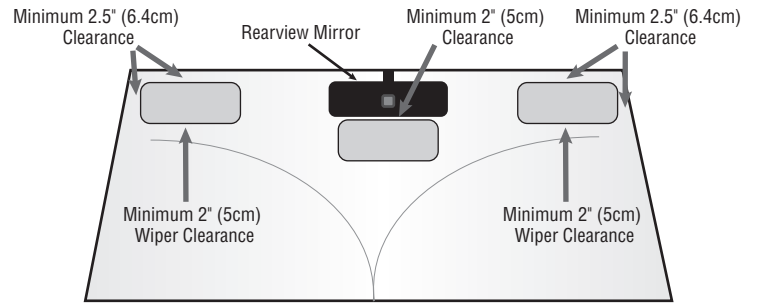
*If specific Facility Code and Start ID are required, use special part #s SPLMHNTG, SPLMUNTG.

RFID Tag Mounting - Windshield

The diagrams below show suitable mounting locations of windshield RFID tags. Choose a tag mounting location that meets your local vehicle code and is at least 2.5" (6.4 cm) from any materials containing metal. This includes the vehicle roof line, side pillars and rearview mirror mounting block. Make sure that the tag is not behind any metallic surface or darkened trim around the window. For **LMHNTG**, hang from rearview mirror.



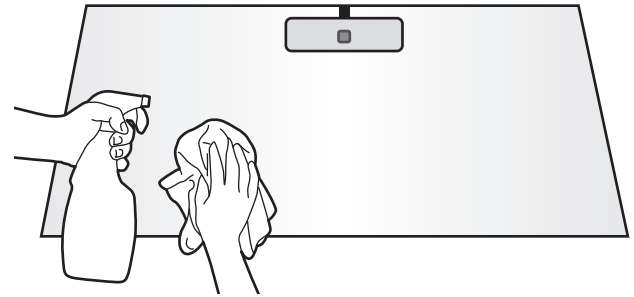
Interior Windshield Mounting Locations and Clearances



Optional Exterior Windshield Tag Mounting Locations and Clearances

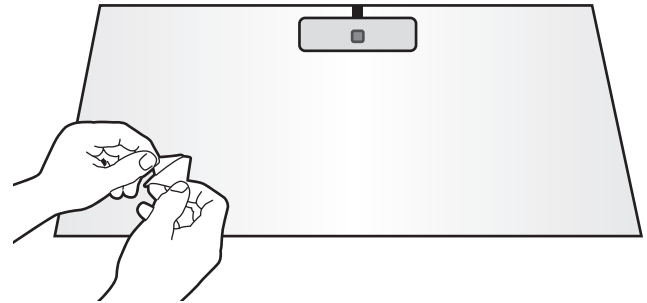
LMUNTG Dual-Purpose Vehicle RFID Tag Windshield Installation

Step 1 - Make sure that the intended mounting surface is clean and free of any contaminants.



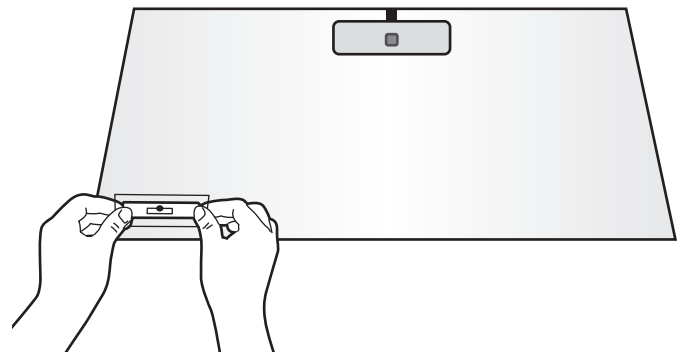
Step 2 - Transfer the tag to the location on the vehicle that you have determined suitable for your application.

NOTE: Handle the tag with care during installation. Do not excessively bend or distort the tag when removing it from the liner.



Step 3 - Smooth out the tag to ensure complete adhesion and remove any air pockets. It is best to apply the tag by the edges as shown in the picture to the right.

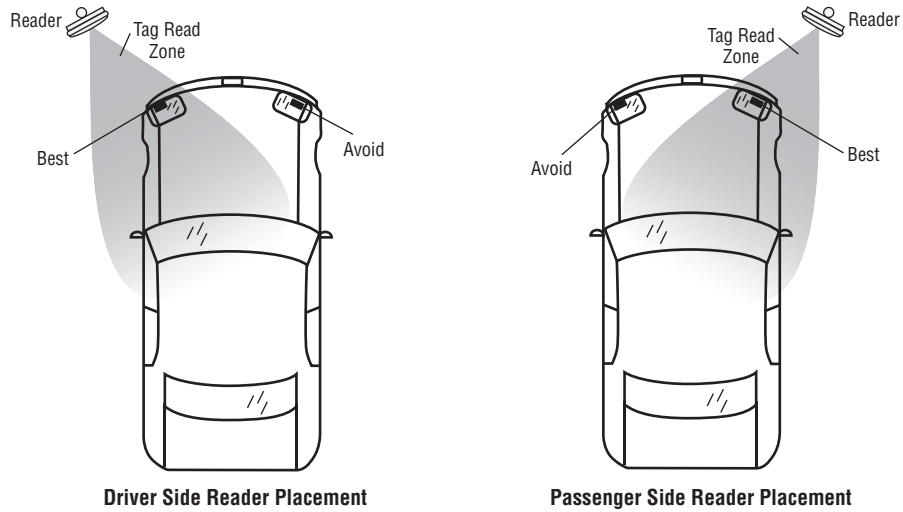
NOTE: Once the tag has been mounted, **do not attempt to remove the tag.** This will damage the tag and tag will become inoperable.



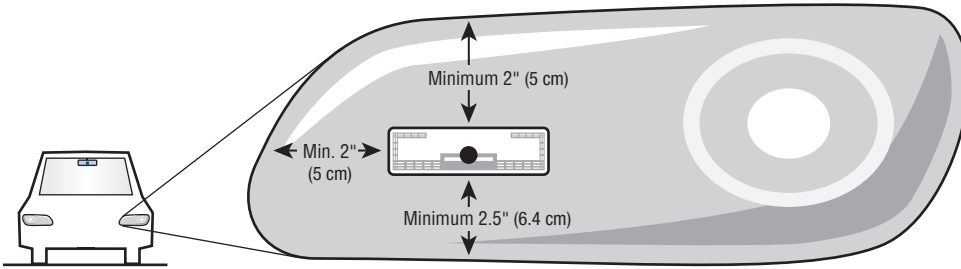
NOTE: Care should be given when mounting tags onto windows or headlamp lenses containing conductive coatings or embedded radio antennas. These are often found on high-end vehicles. These can reduce range or block RFID from working altogether.

LMUNTG Dual-Purpose Vehicle RFID Tag Headlamp Installation

For optimum performance, the RFID tag must be installed on the headlight lens or other suitable mounting location that is facing the RFID reader during normal driving.

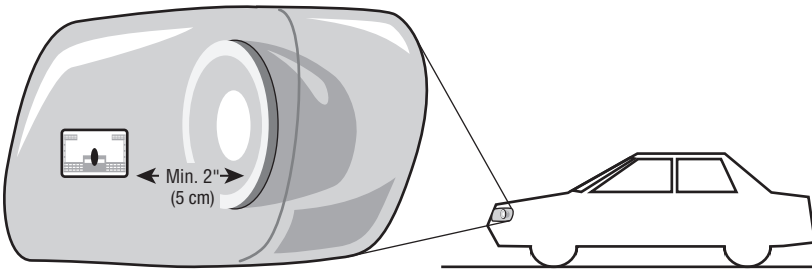


Choose a mounting location for the tag at least 2" (5 cm) from any materials containing metal and approximately 2.5" (6.4 cm) from the bottom reflector.



Car Headlamp (front view)

Clearance Shown for Distance between Hood, Body Panel and Bumper



Car Headlamp (side view)

Clearance Shown for Distance between Headlamp Reflector Housing

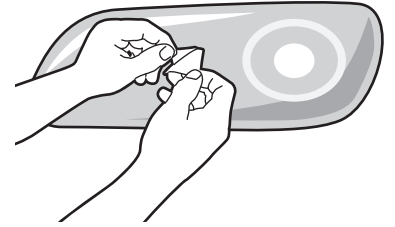
Tag Handling and Installation

Step 1 - Make sure that the intended mounting surface is clean and free of any contaminants.

NOTE: Handle the tags with care during installation. Do not excessively bend or distort the tag when removing it from the liner.

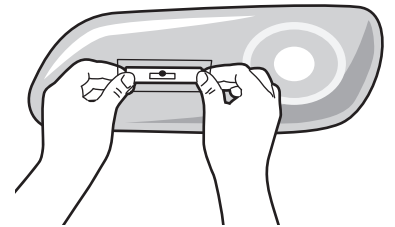


Step 2 - Transfer the tag to the location on the vehicle that you have determined suitable for your application. It is best to apply the tag by the edges as shown in the picture below.



Step 3 - Smooth out the tag to ensure complete adhesion and remove any air pockets.

NOTE: Once the tag has been mounted, **do not attempt to remove the tag**, this will damage the tag and it will become inoperable.



Alternative Mounting

If mounting to the vehicle's headlamp is not feasible, you may also choose to mount the tag on other plastic surfaces, such as the vehicle's bumper, valance or side mirror. Many of the preceding guidelines will still apply and the tag must still be mounted a minimum 2" (5 cm) from any metal structures. This includes any metal structures behind the bumper, such as metal grilles, bumper mounts or the vehicle's frame.

Cure Time

Once the tag has been installed on the vehicle, there will be a period of time necessary to allow the tag's adhesive to cure. Due to temperature and humidity variations the total cure time may vary. Most applications will experience an 80% cure of the adhesive within 1 hour and full adhesive cure within 24 hours of application. **Please do not wash the area where the tag is installed or disturb the tag for 24 hours after installation.**

Programming Your LiftMaster tags into LiftMaster Cloud

When adding a new credential in LiftMaster Cloud, go to the credentials tab, click "Add new credentials" and when selecting type, choose RFID_Tags_LiftMaster.

Please note, there is a section option for installations that have a Non LiftMaster Branded RFID system. If the RFID system is anything other than LiftMaster reader (LMSC1000) or LiftMaster RFID tags (LMUNTG/SPLMUNTG or LMHNTG/SPLMHNTG), follow the steps above, except when the drop down menu step comes up, choose RFID_Tags_Other_Mfgs.

LMUNTG LiftMaster Dual-Purpose RFID Tag - Removal

1. Gently peel the top layer of the RFID tag from the vehicle surface, the adhesive and antenna tag layer should remain on the vehicle and is a function of the tag's security.
2. Generously spray a mild glass cleaner on the adhesive layer and let it soak in for around 10-20 seconds.
3. Using a micro-fiber towel or cloth, rub the adhesive with the towel in a circular motion. The adhesive should pull up in a similar manner to rubber cement.
4. Repeat steps 2 and 3 until all of the adhesive is removed.

One Year Limited Warranty

All RFID Tags sales are final. However, LiftMaster warrants to the first consumer purchaser of this product that it is free from defect in materials and/or workmanship for a period of 1 year from the date of purchase.

NOTICE: This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules and Industry Canada ICES standard. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.