

Installation Instructions



Laser/Radar Detector

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WHISTLER
Technology for the Way You Live

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TOOLS REQUIRED

Tools Required For Installation

- Phillips or Blade Screwdriver
- 3/8" and 5/16" Open End Wrench
- Electric Drill
- Drill Bit: 13/64", 5/16", 7/64", 9/64", and 13/64"
- Other Tools May Be Required Based On Your Vehicle Type Or Requirements For Customized Installation

Dimensions:

- Control Panel: 2.062" D x 3.0" L
- Radar Antenna: 1.4" H x 4.0" W x 3.6" L
- Laser Antenna: 1.9" H x .9" W x .7" L

Cable Lengths:

- Radar Antenna Cable: 3'
- Laser Antenna Cable: 9'
- Power Cable: 4'
- Interconnecting Cable: 20'
- Control Panel Cables: 3'

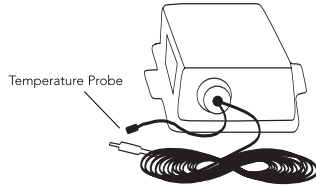
Specifications are subject to change without notice.

TABLE OF CONTENTS

Topic	Page
Tools Required	1
Whistler Components	3
Mounting Brackets	4
Mounting Fasteners	5 - 6
Installation of Radar Antenna	7 - 11
Installation of Temperature Probe	11
Installation of Laser Antenna	12 - 13
Installation of Control Panel	14 - 16
Installation of Voice Module	17
Troubleshooting Guide	18

WHISTLER FUZION COMPONENTS

Radar Antenna



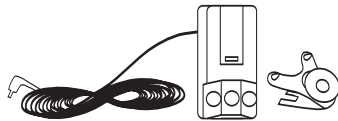
The waterproof radar antenna with Temperature Probe is mounted at the front of your vehicle, usually behind the grill.

Control Panel And Power Cable



The compact control panel is mounted in the dash/ or pillar pod in a location convenient for viewing.
The power cable plugs into the control panel.

Laser Antenna

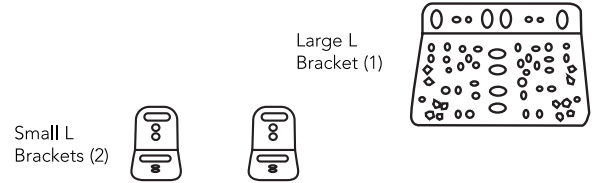


The Laser Antenna is mounted inside your vehicle using the windshield bracket or Hook and Loop Fastener

3

MOUNTING BRACKETS

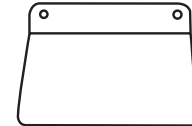
Antenna Mounting Brackets And 45° Reflector



Small L Brackets (2)

Large L Bracket (1)

45° Reflector
(For use when mounting antenna in vertical position.)



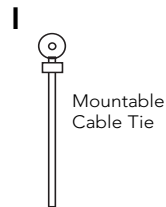
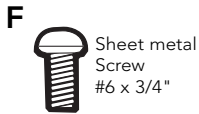
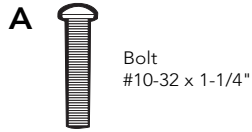
Control Panel Mount Brackets



In-Dash Bracket

4

MOUNTING FASTENERS



5

MOUNTING FASTENERS

Reference	Description/Use	Qty
A	Bolt #10-32 x 1-1/4" • Fastens Large L or Small L Bracket to vehicle support.	2
B	Bolt #10-32 x 1/2" • Fastens Small L to Large L Bracket (optional approach).	2
C	Nut #10-32 • Use with #10-32 bolts.	4
D	Lock Washer • Use with #10-32 bolts.	4
E	Flat Washer • Use with #10-32 bolts.	2
F	Sheetmetal Screw #6 x 3/4" • Fastens Large L/Small L Bracket or 45° Reflector to radar antenna. Mounts Temp. Probe	7
G	Sheetmetal Screw #4 x 5/8" • Fastens hanging bracket to interior vehicle surface.	2
H	Hook & Loop 1/2" x 1" • Fastens LRM-5 to back of rearview mirror when windshield bracket is not used.	1
I	Mounting Cable Tie • Secures cable from radar antenna at various locations in engine compartment.	1
J	4" Cable Tie • Secures cable from radar antenna at various locations in or under the vehicle.	5
K	Interface Cable • Connects the radar antenna to inside control panel	1
L	Nut 5mm • Used with studs on control panel	2
M	Lock Washer 5mm • Used with studs on control panel	2

Note: If mounting fasteners are missing from your package, please call 1-800-531-0004 for replacements.

6

INSTALLATION OF RADAR ANTENNA

General Information

The radar antenna is waterproof and designed to be mounted at the front of your vehicle. In most vehicles the best mounting location is directly below or behind the bumper. Radar signals will pass through non-metallic materials such as fiberglass and plastic, however, be sure to mount the receiver away from any metal, as it will block the receiver's antenna. Because the optimal location for mounting the antenna varies by vehicle type, the hardware supplied is designed to offer a wide variety of mounting options. We suggest choosing the option that enables the antenna to be securely fastened and provides the antenna window adequate rearward visibility.

NOTE: The "antenna" is the bubble area on the case. All references to antenna in this manual will be the bubble area.

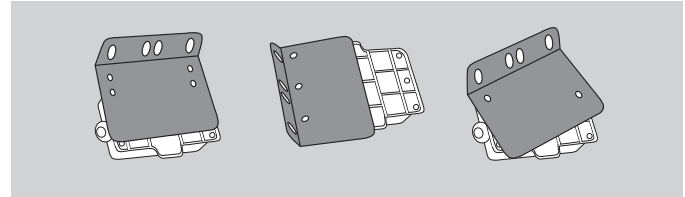
NOTE: Use of hardware that is not supplied or DRILLING into the case will cause damage to the receiver and void the warranty.

Antenna Mounting Brackets

There are two types of mounting brackets for the antenna: Large L (1) and Small L (2). The Large L bracket fastens to the through the hole on the flange of the antenna and then tighten into the metal bracket (do not over tighten). The Large L Bracket may be fastened to the antenna in a variety of positions as shown on page 8.

Do not drill into the receiver housing!

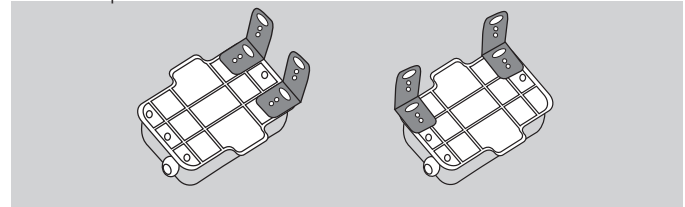
INSTALLATION OF RADAR ANTENNA



The layout of holes on the large L Bracket accommodates multiple antenna mounting positions.

This arrangement provides flexibility for fastening the antenna/bracket assembly to your vehicle in a manner that allows the antenna window (ANTENNA) to have a forward looking view of the road ahead.

The Small L Brackets (2) may also be fastened to the antenna in different positions as shown below:

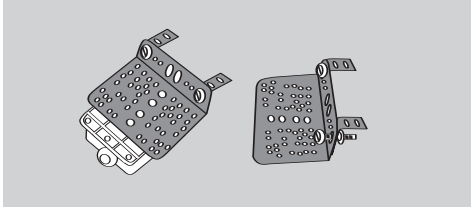


The Small L Brackets may be fastened to any of the six holes on the antenna.

Use one #6 x 3/4" screw to fasten each Small L Bracket to the antenna. Again, do not over tighten the screws.

In some situations it may be advantageous to use both the Large Land Small L Brackets to install the antenna in a vehicle.

INSTALLATION OF RADAR ANTENNA



Large L and Small L Brackets may be used in combination.

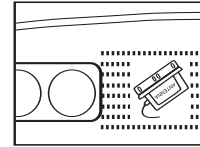
The Small L Brackets are fastened to the Large L Bracket using the #10-32 x 1/2" bolts, #10-32 nuts and lock washers.

To fasten the Large L or Small L Brackets to your vehicle, mark the supporting structure through the appropriate holes in the brackets, then drill the holes in the supporting structure with a 13/64" drill bit. Attach the bracket(s) to the supporting structure using two bolts (#10-32 x 1-1/4") and corresponding nuts, flat washers, and lock washers. You may also use 2 #6 sheet metal screws. Because rough road surfaces can cause excessive vibration or bouncing, be certain to fasten the bracket(s) securely to your vehicle.

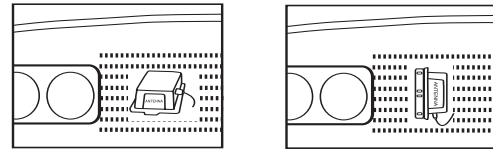
Horizontal Or Vertical Mounting Of Antenna

The antenna can be attached to the vehicle in a horizontal or vertical position, or at any angle between these two points. Select the position that allows you to fasten the antenna to your vehicle in the most secure manner

INSTALLATION OF RADAR ANTENNA



Best mounting angle for optimum detection of all types of radar guns.



Radar antenna mounted in horizontal position.

Horizontal Mounting

When mounting the antenna in a horizontal position (or on an angle between), remember to keep the ANTENNA window as close to perpendicular as possible to the road surface (ANTENNA window should not be angled up toward the sky or down toward the road surface).

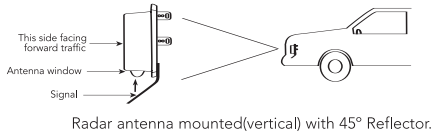
Mounting Vertical (with 45° Reflector)

For vehicles that do not have sufficient clearance behind the bumper (about 5") to mount the antenna in a horizontal position, the 45° Reflector should be used.

The 45° Reflector is attached to the antenna with two screws (#6 x 3/4") on the side of the antenna housing marked ANTENNA. Slide the screws through the corner holes on the flange of the antenna housing and then tighten into the metal reflector (do not over tighten).

INSTALLATION OF RADAR ANTENNA

Mount the antenna to the vehicle such that the ANTENNA window is facing the road surface, sky, right or left of the vehicle, and the reflector has an unobstructed view of the road ahead.



Mounted in this position, radar signals are reflected into the ANTENNA window.

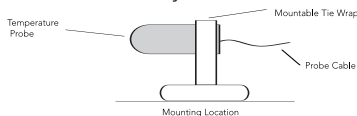
Mounting the Temperature Probe

Find a location that is far enough away from the engine and radiator heat but still in the airflow for the vehicle. Mounting the Probe too close to these heat areas will give a false high temperature.

- Attach the mountable tie wrap (supplied) to the Temperature Probe as shown.
- Mark location for Probe, then drill a hole using a 7/64" drill bit. Attach Probe with tie wrap in the correct orientation using the #6 x 3/4 screws.

NOTE: Mount the Probe so that there is space between the Probe and the mounting area.

Do not mount Probe directly to metal area.



INSTALLATION OF LASER ANTENNA

Antenna Cable to the Control Panel

Once the antenna is installed connect the cable from the radar antenna to quick disconnect interface cable. Tie this cable in knot similar to using an electrical extension cord. Run the cable along the edge of the engine compartment to the firewall. Find a location in the firewall where other wires (or the speedometer cable) enter the passenger compartment and feed the stereo jack connection through. Be careful not to interfere with or disconnect other wires, cables, or mechanical systems of your vehicle while routing the antenna cable. Also, keep the antenna cable away from any areas in the engine compartment that may become hot. Cable ties are provided to secure the antenna and Temperature Probe cables at various points in the engine compartment.

General Laser Information

The laser antenna provides both front and rear laser reception. Mount the laser antenna with the 3-lens array facing forward (down the road) and the single lens facing behind. This approach offers the greatest protection, since you will most often be traveling into a laser signal, rather than away from it when laser speed enforcement is encountered. For effective protection, make sure the laser antenna has an unobstructed view forward and behind, and that it is not placed behind metallic sun screens.

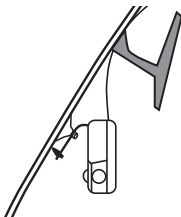
Mounting the Laser Antenna

The laser antenna can be mounted to the front windshield using the windshield bracket supplied.

INSTALLATION OF LASER ANTENNA

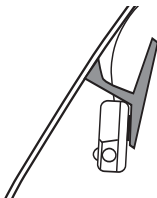
Installing the Laser Antenna

Before using, attach the suction cup and rubber bumpers (2) to the metal bracket. If necessary, you may bend the metal bracket in order to position the laser antenna correctly (3-lens array facing forward, single lens facing behind.)



Laser antenna mounted with windshield bracket.

Using Hook & Loop Fasteners, the laser antenna may also be mounted to the back side of your rearview mirror. Be careful not to block the rear facing lens when mounted in this manner. Also, clean the appropriate surfaces with isopropyl alcohol before adhering the adhesive side of the fastener to those surfaces.



Laser antenna mounted to rearview mirror with Hook & Loop Fasteners.

INSTALLATION OF CONTROL PANEL

The Fuzion remote is designed to fit into standard 2 1/16" gauge housings. This unit is perfect to complement other gauges in a pillar pod or install in its own gauge housing. Since the control panel dimensions are the same as standard automotive gauges, the aftermarket offers many enclosures that can customize the installation

Depending on the housing, the Fuzion control panel may either be tight or loose fitting. If loose, we provide a special "U" shaped bracket that will hold the control panel tightly to the housing. This same bracket can be used when flush mounting the control panel to a location in the vehicle's dash or installation in an under dash kit.

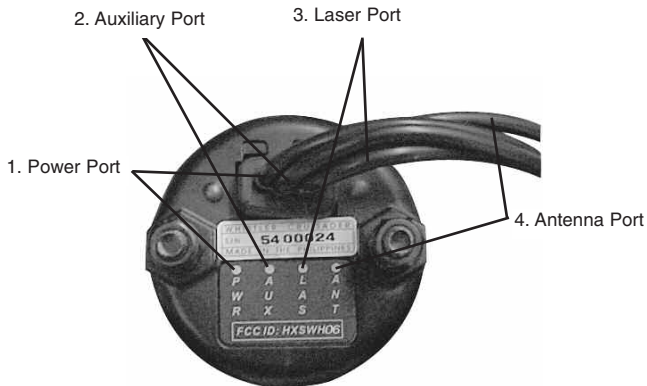
The "U" bracket is held in place using the supplied 5mm nuts and washers. DO NOT remove the nuts already installed on the control panel.

If the unit is installed into a pillar housing, see the pillar housing instructions (if any) for proper installation for that housing.

INSTALLATION OF CONTROL PANEL



PWR - 12 Volt Connection
AUX - LED, Tone Voice Module Output
LAS - Laser Module Input
ANT - Radar Receiver Input



INSTALLATION OF CONTROL PANEL

Antenna Cable Connection

The stereo connector on the end of the antenna cable plugs into **ANT.** cable on the back of the control panel.

Laser Antenna Cable Connection

After mounting the laser antenna conceal the cable and plug the stereo jack connector into the labeled **LAS** Cable.

Power Cable Connection

The power cable has a plug on one end which connects to the cable labeled **PWR.** At the other end of the power cable the power and ground wires are separated. The ground wire has a "U" type connector which should be fastened to a metal surface. Look for an existing screw or bolt under the dash to use as a grounding point. The power wire has a spade type connector which should be connected to a switched +12 volt DC circuit in your vehicle's fuse box. A switched circuit is one that has power when your vehicle is on, but has no power when your vehicle is off. Connect the "U" type connector to the ground point selected, attach the power cord plug to the control panel cable marked "PWR" then touch the power wire to the +12 volt DC switched power source selected; if the control panel begins the self test sequence, then all connections are correct.

INSTALLATION OF VOICE MODULE

The Voice Module provides not only remote audio but voice announcements as well.

To install:

- Make sure the external speaker option is turned on (factory default setting is voice on, if not see option mode in owners manual)
- For maximum volume, find a convenient location close to the driver's ear, such as the trim panel between A & B pillars. Attach speaker using the supplied clip or velcro.
- Plug the cable into the aux cable on the detector. Run this cable conveniently from the detector to the location selected, so that it doesn't interfere with normal driving operation.

NOTE: This module has its own independent volume control.

TROUBLESHOOTING

PROBLEM: No display or audio.

- Check fuse in power cable, replace if necessary.
- Check fuse in fuse box, replace if necessary.
- Make sure power cable is properly grounded.

PROBLEM: Unit alarms when using vehicle equipment or electrical accessories (brakes, power mirrors/windows, directionals, horn, etc.)

- Check condition of vehicle's electrical system, including battery and alternator.
- Install a filter capacitor (470mfd. 25 volt or larger capacitor value) where power connection is made.

PROBLEM: Audio alerts are not loud enough.

- Cancel Auto Quiet Mode or City Mode
- Check audio level settings.

PROBLEM: Display shows R error.

- Warning communicates "loss of link" between control panel and front antenna (RADAR).
- Check antenna connection at back of control panel.
- Contact factory, if you suspect antenna is defective.
- Look for cuts in the cable

If difficulties occur which cannot be solved by information in this Troubleshooting Guide, please call Whistler Customer Service at 1-800-531-0004 or visit our FAQ page at www.whistlergroup.com, before returning your unit for service.

For warranty information, refer to owner's manual.