



WT4500 Locator

Installation Guide

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Introducing the WT4500 Locator

The WT4500 Locator is Webtech Wireless's most compact and easiest to install Locator. It is a simple device meant to be quickly installed, but provides the reliable vehicle location data and ECM data reporting capability of our more expensive Locators. The WT4500 is meant for consumer and light duty vehicles without special equipment, such as cars, pickups, and passenger vans.

Features

The WT4500 Locator is a fairly simple Locator meant primarily to track the location of your vehicle.

- Small and inconspicuous
- Internal antennas: no additional wiring
- ECM data monitoring with built in OBDII support
- Simple installation: plug the device in and check that it's working

Installing the WT4500

Of all the Webtech Wireless Locators, the WT4500 is the easiest to install. Once the SIM card has been inserted, it is simply a matter of plugging the unit into the correct vehicle connector.

Vehicle Requirements

In order to accept a WT4500 installation, your vehicle must meet the following requirements:

- The vehicle must have an accessible J1962 connector (also known as an OBDII connector).
- Pin 16 of the J1962 connector must be powered at all times, including when the vehicle ignition is turned off.

Note that the majority of light vehicles produced in North America in the last decade meet these requirements.

WT4500 Kit Contents

The WT4500 Locator kit contains just the WT4500 Locator; no additional cables, screws, or bolts are required to install or mount the device.



Note that the Locator may be shipped not fully closed (the halves of the housing not fully snapped together). This is intentional; it allows you to access the SIM card holder without disassembling the device.

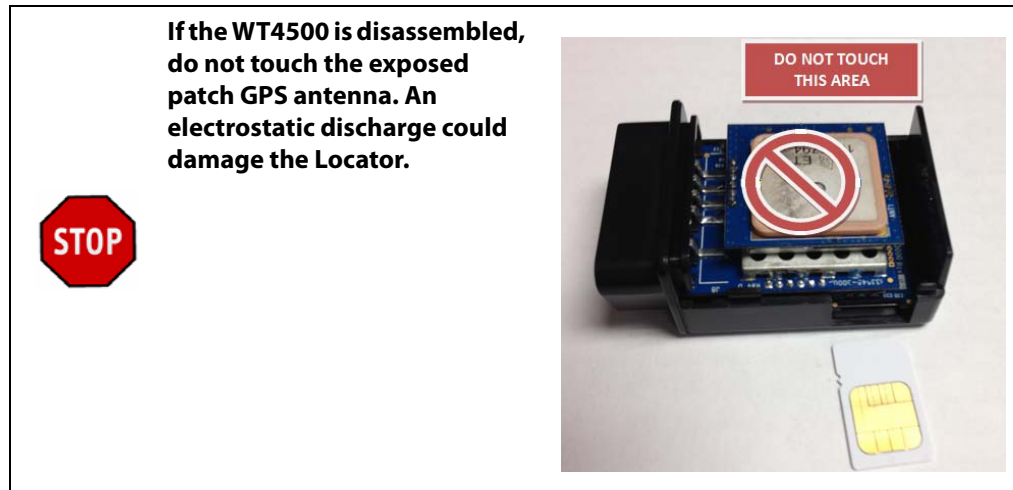
Installing or Swapping the SIM card

Your Locator may be provided with a SIM card already installed, in which case you may probably ignore this section. Alternately, the Locator and SIM may be provided separately, in which case you need to install it into the Locator. You may also need to swap SIM cards at some point. The following procedure details how to remove and replace the Locator's SIM card.

Tools and Materials

- Small flat screwdriver
- Tweezers (required only if swapping out existing card)

Procedure



1. The Locator is typically shipped with the housing not fully snapped together so that the SIM card holder is exposed. If the Locator is not fully closed, then the hard part is already done; skip to step 3.
2. To expose the SIM card holder, you must open up the Locator housing. Insert a flat screwdriver or similar tool roughly 2mm (1/16") into the housing seam at the SIM card holder's location, and twist until the clips keeping the halves of the Locator housing together disengage. Do not insert

the blade too far as you can damage the device.



Insert blade into this seam

Note that it is not necessary to remove the top half of the housing completely. Doing so will expose the patch GPS antenna, which is sensitive to electrostatic discharge.

3. If you are swapping SIM cards, remove the existing SIM card from the SIM card holder using tweezers.
4. Align the new SIM card so that the contacts are facing up and the notch is facing into the device. Insert the SIM card into the SIM card holder.



5. Snap the Locator housing back into place.

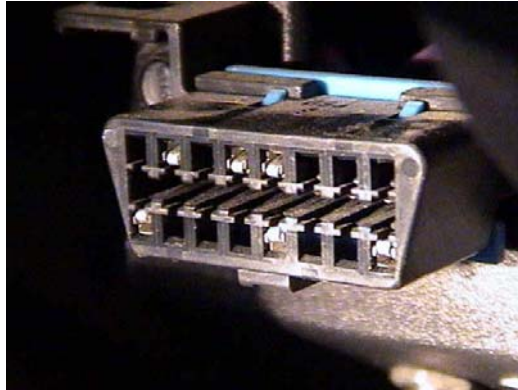
Locator Installation

Tools and Materials

Most installations should require no tools. However, depending on the vehicle, you may need to remove a dashboard panel to access the vehicle J1962 connector. In this case, have the tools necessary to remove and replace panels.

Installation

1. Locate the vehicle's J1962 connector. Typically it will be somewhere within the driver's footwell, or behind a lower dash panel on the driver's side.



2. Turn on the vehicle ignition. If the Locator is installed while the vehicle is off, it cannot complete the detection process until the next ignition cycle.
3. Plug the Locator into the J1962 connector. Do not turn off the ignition.

Verification

Once the Locator is installed, you must verify that it is working. Part of this process requires you to call technical support and have them perform some checks, as only they have the tools to determine if the Locator is functioning at certain levels.

1. With the vehicle ignition still on, check the LEDs on the side of the Locator near the serial port. The red LED should be on, indicating that the Locator has detected vehicle ignition and has powered up.
2. While starting up, the orange and green LEDs will blink. Wait a minute or two for the orange and green LEDs to go solid.
 - If the orange LED will not go solid, you may be outside of cellular network coverage or your SIM card may be wrong or missing. Confirm that you have network coverage and/or unplug the Locator and check the SIM card.
 - If the green LED will not go solid, you may be out of GPS coverage. Move the vehicle into an area of better coverage (outside if possible).
3. Upon seeing the orange and green solid LEDs, let the engine run for 2 minutes to collect ECM data, then call technical support for an installation check with the vehicle still running. Technical support will confirm if the Locator is operating correctly.

Important Note that the name of the vehicle within Quadrant system will be the Locator serial number; you can request technical support change the vehicle name while on the call with them, if desired. The vehicle name can also be changed later as needed. However, if you choose to perform the renaming at a later date, note that it is the your responsibility to record which Locator serial number is associated with which vehicle.

4. Once the installation check is complete, turn off the vehicle ignition, replace any vehicle panels that were removed, and clean up the installation area.

Locator Status LEDs

The Locator displays its status using three LEDs beside the serial port.



LED #1: Comm (Orange)

Orange LED	Meaning
Off	Modem is off
Slow blinking	Modem on and searching
Fast blinking	Network found
Alternating slow and fast blinking	Registered but waiting inbound acknowledgment
Solid	Connected

LED #2: GPS (Green)

Green LED	Meaning
Off	GPS off
Slow blinking	GPS on but no fix
Fast blinking	Syncing with GPS time
Solid	GPS fix obtained

LED #3: VBus (Red)

Red LED	Meaning
Off	Vehicle ignition off
Solid	Vehicle ignition on detected, Locator powered up

Support Information

Contacting Technical Support

If you have any questions, please contact Webtech Wireless Technical Support at:

- **E-mail:** support@webtechwireless.com
- **Phone:** +1 (604) 419 8163
- **Toll Free (US/Canada):** +1 (866) 945 4568

Technical Support Hours of Operation

- Monday - Friday: 6:00 am - 5:00 PM PT
- Saturday: 8:00 am - 4:30 PM PT

Returning the Locator

If you have a non-functional Locator, contact Technical Support. They will guide you through the process of returning it. Ideally, return the Locator in its original box. If the original box is not available, ensure that whatever packaging you use is robust enough to keep the Locator safe in transit.

Technical Support will provide an RMA number, which is critical for returning the Locator. Be sure to print the RMA number prominently on the return packaging. Locators returned without an RMA number cannot be processed as returns.

