omega GPS

Model:

GPS-D4550

VEHICLE TRACKING & RECOVERY SYSTEM

Installation And Testing Guide

Quick Reference Install Guide

1. Write the VIN (Vehicle Identification Number) on the mirror hanger/activation card included with this system.

2. Choose a discreet yet ideal location for the module (the large white label must face towards the sky because the GPS and cellular antennas are built in.

3. Route wiring and make all necessary wiring connections and apply power to the module - SEE THE WIRING DIAGRAM IN THIS BOOKLET.

4. Move the vehicle outside so the module has a clear view of the sky and leave the vehicle's ignition in ON/RUN position.

5. After approximately 3 minutes, check the indicator lights to make sure the unit has cellular service and has a GPS lock. Both the yellow and orange lights should be on solid.

6. Call the Omega GPS operation center at 800-307-0680 to perform the installation test. Be sure to have the serial number and VIN available.

7. Complete the installation by reassembling the vehicle's interior.

8. **IMPORTANT:** Be sure to hang the mirror hanger/activation card or give it to the vehicle's owner. The device cannot be activated without this information

Detailed instructions cont'd on following pages ->>

Step 1: Record Vehicle Info On Activation Card

The activation card is the bottom part of the mirror hanger included with this system. It should already have a sticker with the serial number on it. **Be sure this serial number matches the serial number on the device being installed**. This will prevent unnecessary troubles later during the testing process.

Example of the serial number sticker:

Be sure to write a check mark to next each of the features listed on the card. Note: Output #3 is not applicable to this device. This information helps the vehicle's owner understand what their system can and cannot do preventing any future confusion.

Find the Vehicle Identification Number (VIN) and write it on the activation card. The VIN can be found in the vehicle's door jam or can be seen through the lower corner of the windshield. it is a 16 digit alpha-numeric number. **If the device is being used on something other than a passenger vehicle, write down the machine's serial number instead.**

Step 2: Determine a mounting location

Find a discreet and secure mounting location for the module. Make sure the module is free from moisture, excessive heat, direct sunlight, or moving vehicle parts.

- The large white sticker must be facing towards the sky
- There cannot be any metal between the module and the sky
- Mount as high in the dash as possible
- Mount at least 12 inches away from the radio and speakers. The cellular portion of this device could cause radio interference.
- **DO NOT SECURE THE DEVICE YET**

Step 3: Wiring Connections

Identify which wires are needed for this particular installation and separate the needed wires from the unneeded wires. You can cut away any excess wires and be sure to tape or cap the ends of unused wiring. Route the wiring away from any moving parts or anything that could generate excessive heat. **MAKE ALL CONNECTIONS BEFORE PLUGGING IN THE MODULE!!!**

BLACK Ground wire (PIN 15; in long black sheath; required):

This provides chassis ground to the device. It should be connected directly to the metal structure of the vehicle. Strip the end of the wire and crimp on the supplied ring terminal. Route this wire to a solid grounding point, like an existing bolt in the vehicle and securely ground the wire.

WHITE and RED Starer Interrupt wires (from relay socket; optional):

These wires are used the interrupt the vehicle's starter circuit in a vehicle theft scenario. Locate the vehicle's starter wire (typically found in the ignition switch harness). It will show +12V when the ignition key is turned to the START position. Cut the starter wire and connect the WHITE and RED wires to each side of the cut wire. These are not polarized so it does not matter which side is used.

ORANGE Starter interrupt control output wire (PIN 2; optional):

This output controls the starter interrupt relay. Connect it directly to the orange wire on the starter interrupt relay. It has a 250mA, negative output.

LT. GREEN Unlock output wire (PIN 11; optional):

This is a negative pulse output typically used to unlock the vehicle's doors. It has a 0.25 second, 250mA output. Depending on the vehicle, a relay or doorlock interface may be required. Be sure to study the vehicle's doorlock system before making this connection. This connection is determined by the vehicle's design.

BROWN Pulsed alarm trigger input (PIN 3; optional):

This is an input to detect when the vehicle's alarm (factory or aftermarket) is triggered. This generates the notification to the end user to alert them of the violation. This input must see pulses and can detect a positive or negative input. It must see 10 pulses (20 polarity changes) within 30 seconds to activate the notification. Connect this wire to the pulsing horn output of the alarm. If a horn output is not available (typically with aftermarket alarms), you can connect it to the flashing lights circuit.

BROWN/WHITE Steady alarm trigger input (PIN 12; optional):

This is an input to detect when the vehicle's alarm (factory or aftermarket) is triggered. This generates the notification to the end user to alert them of the violation. This input must see a stteady input and can detect a positive or negative input. It must see a 10 second signal to activate the notification. Connect this wire to the steady siren output of the alarm.

YELLOW Ignition wire (PIN 8; 18ga; fused; required):

This wire monitors when the ignition is turned ON/OFF. Connect this wire to a +12V ignition circuit which can be found in the ignition switch harness. Be sure this shows +12V when the key is in the ON and START positions ONLY.

RED Constant power wire (PIN 14; fused; in sheath; required):

This is the power supply wire to the device. It must be connected to a constant +12V source. This can be found in the ignition switch harness, a fuseblock, or at the vehicle's battery. Be certain that this wire has +12V under all circumstances and when the ignition key is in the ON and OFF positions. **BEFORE CONNECTING, remove the 3 amp fuse from the RED wire.**

Step 4: Move the vehicle outside

You must move the vehicle outside and make sure the device has a "clear view of the sky" before applying power. This will ensure the quickest initial GPS lock and the best cellular coverage.

Step 5: Apply power to the device

You can now plug the molex connector/wiring harness into the module and insert the 3 amp fuse into the RED power wire. Also, be sure the ignition key is in the ON/RUN position (this puts the device in full power mode to ensure connectivity).

Step 6: Check the indicator lights

Locate the indicator lights on the end of the module. They are next to the main connector. If everything is as desired, after a few minutes, you will notice the YELLOW and ORANGE indicator lights will flash then eventually turn on solid. Solid lights indicate proper connectivity and you can proceed to the installation test.

GREEN light (cellular connectivity):

✘ **Off**: No power, the cellular radio is OFF.
✘ **Blinking**: The cellular radio is searching for service
✔ **Solid**: Cellular service has been found with good signal strength

ORANGE light (GPS connectivity):

✘ **Off**: No power or the ignition key is OFF, the GPS receiver is OFF.
✘ **Blinking**: The GPS receiver is searching for satellite connectivity
✔ **Solid**: GPS lock has been made with multiple satellites

Step 7: Test installation and activation

You Must Call 800-307-0680 Or The Owner Cannot Use This Device!!

Be sure to have the activation card on hand with all the information described in STEP 1. This phone call will only take a few minutes and is very important to verify that the device is operating properly. Follow the prompts for testing the installation and a live representative will walk you through the process.

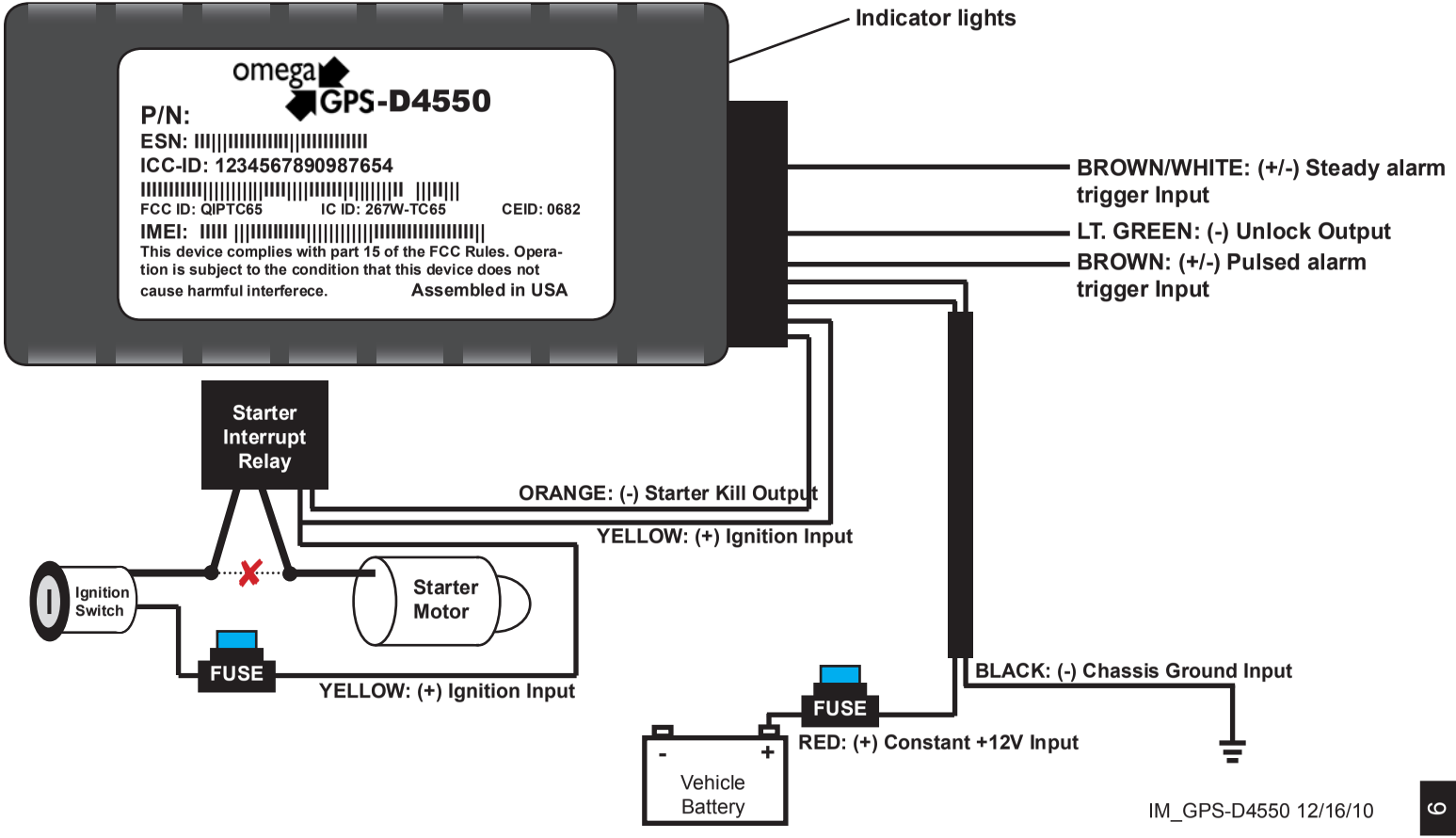
ONCE THE TEST IS SUCCESSFUL, BE SURE TO HANG THE MIRROR HANGER/ACTIVATION CARD ON THE MIRROR OR HAND IT DIRECTLY TO THE END USER WHEN THE INSTALL IS COMPLETE. THEY WILL NEED THIS INFORMATION TO ACTIVATE THE DEVICE FOR SERVICE.

Step 8: Complete the installation

After successfully completing the installation test, securely mount the module in the selected location with tie straps, high grade hook & loop tape, or any other reliable mounting method, and reassemble the vehicle's interior.

ONCE AGAIN, BE SURE THAT THE END USER IS GIVEN THE ACTIVATION CARD.

Wiring Overview



Useful Information

OmegaGPS

Activation Phone Number: 800-307-0680

Login Website: www.OmegaGPS.com

Omega Research & Development, Inc.

Corporate Website: www.CarAlarm.com

Corporate Phone: 800-554-4053

Install Tech Support (hardwire/wiring only): 800-921-TECH (8324)

Service Tech Support: 800-307-0680

ATTENTION:
This Vehicle Is Equipped With An Omega GPS Vehicle Tracking System

www.OmegaGPS.com

omega GPS

BE SURE THAT THIS ACTIVATION CARD IS GIVEN TO THE VEHICLE OWNER. THEY CANNOT ACTIVATE THEIR SERVICE WITHOUT THIS INFORMATION

BE SURE TO FILL OUT ALL THE INFORMATION ON THE BACK OF THE CARD (see the example to the right). IT HELPS THE VEHICLE OWNER UNDERSTAND WHAT THE SYSTEM WILL DO FOR THEM AND GIVES THEM A POSITIVE IMPRESSION OF YOU AND YOUR COMPANY!

Your Omega GPS System Was Installed With The Following Functions:

- ☑ : Location Report
- ☑ : Starter Interrupt
- ☑ : Output #2 Unlock Doors
- ☐ : Output #3 N/A
- ☑ : Vehicle Alarm Notification

Tracking Device Serial Number:

Vehicle Identification Number:
1234567890123456

To Activate Your System, Please Call (800) 307-0680