



SecuraCom GPS
internet-based GPS satellite tracking

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UNIT INSTALLATION

Although the unit can be installed by the end user, it is strongly recommended that the installation be done by a SecuraCom GPS certified installer. Call us for an installation facility near you.

ITEMS RECOMMENDED FOR INSTALLATION

Test light, electrical crimping/cutting tool, drill, self-tapping metal screw for ground wire, electrical tape, wire tie wraps.

PRE-INSTALLATION PROCEDURE

BEFORE YOU BEGIN

Call in your unit serial number to SECURACOM at: [313-402-0700](tel:313-402-0700) for registration prior to installation. We will then assign a user name, secret password and vehicle ID for your new SecuraCom GPS tracking unit.

HOW TO IDENTIFY A GOOD GROUND

Connect positive red test light lead to hot 12v power supply. Touch negative black test light lead to suspected ground point (e.g. Chassis or metal structure under dash). If test light turns on, you have a good ground point.

HOW TO IDENTIFY A CONSTANT HOT 12V POWER SUPPLY

Connect negative black test light lead to known ground point. Connect red test light lead to suspected 12V power supply point. If test light turns on, you have a good power supply.

To ensure the 12V power supply is non-interruptible, start vehicle engine and observe test light status. It should stay on continually throughout the engine-cranking process. In the event that it does not, you need to find an alternative power supply (you may use the vehicle battery positive and negative terminals as points of power and ground or find those points at your vehicle fuse box).

HOW TO IDENTIFY A BOSCH RELAY ACTIVATOR POINT AND CONNECT IT

This can be found on the vehicle starter motor or in the ignition wiring harness (contact your dealer to properly identify the ignition solenoid activation wire). This wire is identified as hot only when the key is in the cranking position, not the ON position. **DO NOT** connect the **GREEN WIRE** to a wire in the ignition harness that is hot at all times. It must only be on momentarily while the engine starter motor is cranking. Optionally, you may connect the **GREEN WIRE** directly at the starter solenoid wire. There is a primary large-diameter wire connected to the starter from the battery. **DO NOT** use this wire.

Once you have established a good ground point, drill a pilot hole in the metal to guide the self-tapping sheet metal screw. Connect the **BLACK WIRE** on the Bosch relay Position 86 to the ring terminal. Secure the ring terminal to the ground point with the self-tapping screw. Ensure that this connection is tight.

INSTALLATION PROCEDURE

1. FUSE HOLDER DISCONNECTION

Disconnect the fuse holder on the wiring harness to prevent premature power-up of the unit.

2. UNIT POSITIONING

For a covert installation, it is recommended that both the unit and the antenna be positioned under the dash. Antennae can 'see' through plastic, glass and cloth, but **NOT** metal. It is essential that no metal be between the antenna and the sky view. Ideally the position should be away from car radio speakers and approximately 3-6" from the lower leading edge of the car windshield for best GPS and radio communications.

3. ANTENNA CONNECTION

Connect the antenna correctly. There are 2 connectors, GPS and CELLULAR. The GPS antenna wire is marked with a tag and connects to the connector marked 'G' or 'GPS' on the front of the unit. The CELLULAR antenna wire connects to the connector marked as 'C' or 'CELL' on the front of the unit. **ENSURE THE ANTENNA IS RIGHT SIDE UP. SIDE TO POINT SKYWARD READS "GPS THIS SIDE" AND THE BOTTOM READS "GPS OTHER SIDE".**

4. BOSCH RELAY CONNECTION (see Fig. 1 for reference)

On the Bosch relay, identify and connect the **RED WIRE** in Position 30 to the predetermined CONSTANT ON 12v power supply. (see instructions in pre-installation section above). **ONCE AGAIN, MAKE SURE THAT THE FUSE HOLDER IS DISCONNECTED BEFORE DOING THIS.**

Connect the **GREEN WIRE** to the small-diameter wire connected to the starter solenoid, typically a 3/16 or 1/8" diameter wire. If you choose to use this point, it is recommended that a ring terminal be connected to the end of the **GREEN WIRE** attached to Position 85 on the Bosch relay and connected directly to the starter solenoid.

Connect the **BLACK WIRE** in Position 86 to the predetermined metal ground point on the vehicle as described in the pre-installation section above)

5. VEHICLE POSITIONING FOR SIGNAL STRENGTH

Move the vehicle to a place where there is a clear unobstructed view of the sky, preferably away from tall structures and power lines. Connect 12v constant power to unit by connecting the fuse holder. Watch for LED light to begin flashing. Unit should flash about every 1 to 3 seconds. Once it has found the network tower signal and acquired the GPS satellites, the light should flash once per second.

6. INSTALLATION TEST

Turn the ignition key to the ON position. Be sure the green LED light IS ON and flashing every second. Turn the ignition key to the engine cranking or starting position (start the car). As the engine is cranking, be sure the LED light goes OUT momentarily. Once the key is released from the start position, the light will begin flashing again. This is the way it is supposed to work. If the LED does not go out during the cranking cycle of the vehicle, it is not properly installed. If this is the case, call us for technical support.

- If LED light does not come on check FUSE to make sure it is good.
- If FUSE is good, test wire at fuse link for POWER. If FUSE LINK has power, start engine and see if the LED light comes on (Light may take 2 minutes before coming on). The unit goes into sleep mode below 10.5v after 10 minutes. Once 12v (+) is applied the unit will come on and operate automatically.
- If LED still does not light, check GPS Antenna position and GROUND wire connection. Antenna must be able to receive cellular connection to wake up unit to register. The green LED light works when both functions are applied: 12V power is available and the antenna position is mounted in a proper location. Ensure GPS antenna is in FINAL position prior to requesting a Location Verification Test. If you move the antenna after the initial live test, you may have current location but lose tracking ability after repositioning the antenna.

7. LOCATION VERIFICATION TEST

While 12V power is applied contact SecuraCom GPS 24/7, and request a Location Verification Test. Once the location is determined, and you have mounted the GPS antenna in the final position, close up your work.

Congratulations! You have completed your installation of your SecuraCom GPS unit. Thank you for your purchase and call us anytime if you need assistance.

BOSCH RELAY – FIGURE 1

