



A.R.A. GPS SYSTEMS

The most **Accurate, Reliable & Affordable**
GPS tracking device available. **Period.**

GPS Device Installation Overview

Before installing the SVR Tracking GPS device, always check the vehicle battery and make sure it is holding a 12 Volt charge and that there is no "check engine" light on. Verify that the vehicle starts on its own and continues to run prior to attempting installation. The GPS device **must be embedded** in the dash and above all metal. There are usually several places to embed the tracking module but **behind, beside or above** the instrument cluster is IDEAL (The dash and windshield will not obstruct the device's ability to communicate). Good Rule-of-Thumb: As high as possible and as close the vehicle firewall as possible.

The GPS devices require a 12 VDC Constant (RED) Wire and solid chassis ground (BLACK) Wire. The constant 12 Volt power source wire is usually located in the ignition switch harness. There is a free source on the internet to obtain Vehicle Wiring Diagrams. GoTo: www.bulldogsecurity.com and find the **Vehicle Wiring Diagrams Link**. Use a **multi-meter** to verify the 12VDC constant power source. **Note:** a Test Light will illuminate at 3 Volts and is **not** a reliable gauge. After making the electrical connections, determine the location of the device. Try to insure the device will get a view of the sky. Note two LED lights indicating power, gps connection and cellular network connection.

CRITICAL STEP:

Before re-assembling the vehicle dashboard, use the web application to verify that the device will communicate and show a location map. **If the device is unresponsive, CALL FOR HELP (while the device is still connected to the vehicle).**

If you are using a **Starter Interrupt Relay**, you will need to locate the **starter wire**. This wire is usually located in the ignition switch harness (see www.bulldogsecurity.com) but not always. In some cases with newer vehicles, this wire may be located in the engine compartment. In this case, the starter interrupt wire must be accessed through the vehicle firewall. This procedure will add 10 to 15 minutes for the installation.

It will peak around 12 Volts in the "Cranking" cycle only but does not have constant 12VDC Power. The wire in the middle of the socket goes to the Starter. The other wire goes toward the keyswitch. The Green wire connects to the Green Wire in the tracker harness. Some units require a green wire on the relay be connected to a brown wire from the tracking module (this applies to CDMA units with serial numbers that begin with 194).

Before the first time installation of any GPS device or if any questions arise, have the installer call us to review procedure.

Summary:

1. INSTALL the device. HIDE the device. MUST BE INVISIBLE.
2. Make solid electrical connections. Must last for years.
3. Check functionality using the Web Application.
4. If not working, call for help at this point.
5. If successful, re-assemble vehicle dash.

Your business is greatly appreciated,

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