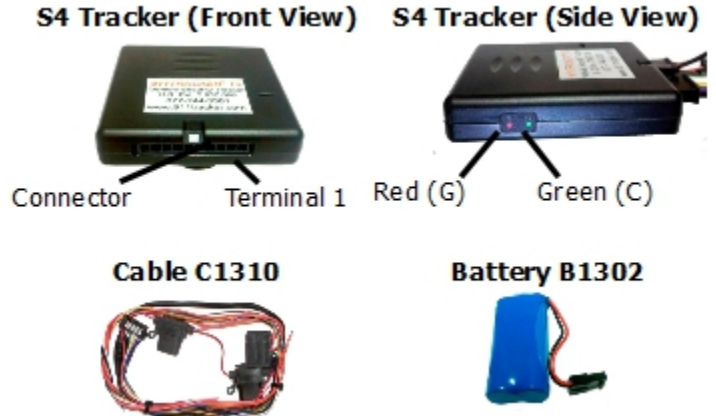**BEFORE THE CUSTOMER LEAVES THE VEHICLE WITH YOU MAKE SURE YOU GET THE PHONE NUMBER OF THE S4 SYSTEM.  YOU WILL NEED THIS DURING VERIFICATION.**

## Mounting the S4

Mount the unit in a non-visible location (normally under/inside dash, behind the glove box, under a seat, or under rear package shelf). Make sure the unit has 911SafeTrack label pointed toward the sky and is secured well so that it will not fall from its location.  Never mount the unit in the engine compartment or in a location that would be exposed to the elements or excess moisture.  Avoid kick panel mounting because of potential moisture problems.

## Wiring

- **Black:** Ground (Connect to a known good ground source)
- **Red:** 12v Constant (Connect this wire to a circuit that has power at all times -- HOT AT ALL TIMES)
- **White:** 12v Ignition (Connect this wire to a circuit that has power only with the ignition turned on THIS MUST BE TRUE IGNITION, NOT ACCESSORY)
- **Yellow:** Horn Output  to Tracker input (Connect this wire to the vehicles horn wire or vehicle alarm sounder wire.  If alarm sounder, connect to turn signal wire. Yellow input can either go up or down when horn is sounding  - See below)
- **Option - Pink -** Starter disable/enable: (Connect to circuit that has 12v power at all times. Connect two **Orange** wires from the relay **in series** with starter.) May need extra relay, if button start.
- **Option - Blue** - Door unlock: (Connect to door unlock input. S4 output goes to zero volts for 1 sec with max current of 250 mA)

**S4 Tracker (Front View)**    **S4 Tracker (Side View)**

Connector    Terminal 1    Red (G)    Green (C)

**Cable C1310**    **Battery B1302**

## Verification

Note: You can also do the system checks below using the free Android 911SafeTrack S4 App - see: http://www.911safetrack.com/tech-tips.php

Connect the system:
- Plug in S4 10-pin connector
- Plug in Backup Battery

With the system connected, after a few seconds the Green LED will turn on to show cellular is connected and Red LED will turn on showing GPS receiver is on.  After a couple minutes the Red LED will start flashing to show GPS satellite lock.

Green light on and red light flashing indicate that the system is working properly. If vehicle is stationary for five minutes after the key is turned off, Red LED will go off, showing GPS is sleeping.

Verify S4 GPS operation  by sending **12345 gps** for location (note there is a space between 12345 and gps). The S4 will respond with a text showing lat/long, speed, direction.

Send S4 the following text that lets S4 know that you are the temporary S4 Owner -- **12345 at\*user=0,nnnnnnnnnnn,1** where nnnnnnnnnn is your phone number.  S4 will respond with an OK.

Check horn input to Tracker by sending **12345 status**  The S4 will respond with a status text message.  If it says alarm is sounding, then send text **12345 at\*alarm=0** which changes S4 to detect going negative signal for alarm.  Now with ignition off, make the vehicle sound the horn for at least 8 seconds.  You can either set off the vehicle alarm or press the horn button. Your phone will respond with Alarm Sounding message.

Verify S4 door unlock operation by sending **12345 pulse**  The S4 will unlock the door and respond with an OK.

Verify 3-way voice call by having S4 call a special 911SafeTrack test number as follows -- Call the S4.  S4 will auto answer and say, "Tracker connected, press 1 to continue."  When you press 1, S4 will say, "Press # to call police or press 3 for location."  Instead of pressing # or 3, press 9.  You will hear the recorded voice message and the call will disconnect.  S4 will send you text to confirm the test call.

Before returning vehicle, send above "user" text with the owners phone number.

| Issue | Action Required |
|---|---|
| Both LEDs Off | Check fuse in the black fuse holder on the Cable. The fuse is a regular plug-in automotive fuse, 2 Amp.<br><br>Temporarily unplug Cable from the S4 and confirm that the **red** wire on **terminal 3** is providing 12v. |
| Green LED continues blinking | S4 is powered On and searching for cellular connection.  Check for proper T-Mobile signal. |
| Red LED is On constantly (not blinking) | GPS is powered On and searching for GPS satellite connection.  Note: The red LED may take **several minutes** to start flashing if S4 power was just applied. |
| Vehicle alarm sounding over 8-sec does not cause S4 to send SMS | Check if **terminal 7** goes from 12v to zero when alarm is sounding.  If it is, send SMS **12345 at\*alarm=0** (note space after PIN). |