



## Advanced GPS Car Locator Installation Guide



# **Zoombak Services**

## **A-GPS Car Locator Installation Guide**

**www.zoombak.com**

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## Introduction

Welcome to the Zoombak Car Locator Installation Guide. This manual will guide you through the steps required to successfully install your locator device in your vehicle. **Prior to installing your Zoombak device in your vehicle, you must activate your device and test it to ensure you have received at least one successful location fix. Please review the Quick Start Guide included in the packaging and zoombak.com for information on how to activate and test your device prior to use.**

## General Safety

This installation manual covers the installation of the Zoombak Locator device and should be used to ensure a safe and functional locator device installation. This equipment generates, uses and can radiate Radio Frequency (RF) energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

## Vehicles Equipped with Airbags

- DO NOT place objects, including communication equipment, in the area of the airbag or in the airbag deployment area.
- If the communication equipment is improperly installed and the airbag inflates, this could cause serious injury.
- Airbag wiring is generally marked by use of a yellow plug, yellow wire loom, yellow tape and/or yellow tag. The installer must use caution to identify any airbag wiring and avoid cutting, testing or tapping into airbag wiring. Failure to comply may cause airbag to inflate, this could cause serious injury.
- Contact vehicle manufacturer's corporate headquarters for specific airbag information for the vehicle.

## Basic Tools Needed for Installation

- Metric and standard socket set
- Screwdriver set
- Wire cutters
- Wire strippers
- Pliers
- Flashlight
- Cordless drill with assorted bit set
- Digital Multimeter

## Equipment List

- Zoombak Locator device
- Plastic Holster
- 12V DC Charger
- 4 zip ties
- 1 Velcro set
- 2 piece double sided tape



## Install your device

### Step 1 - Select Your Installation Location

Prior to installing your Zoombak device in your vehicle, you must activate your device and test it to ensure you have received at least one successful location fix.

Find a location to mount your Zoombak 12VDC power supply module. The module should be securely fastened using the supplied Velcro and/or zip ties. When mounting the module:

- Make sure the positioning of the unit does not interfere with any of the vehicle components or impede safe operation of the vehicle.
- Make sure that when the vehicle is reassembled that all of the unit's cables are secure and can not be pulled loose.



## Select a suitable location of your Zoombak device

Prior to installing your Zoombak device in your vehicle, you must activate your device and test it to ensure you have received at least one successful location fix. To ensure proper operation, Zoombak recommends the device be installed in one of the two following concealed locations.

### Recommended Installation Locations



Under rear package shelf



Behind the glove box

- Make sure the mini-USB cable will reach the intended location of the power supply module
- Make sure that when the vehicle is reassembled that all of the unit's cables are secure and can not be pulled loose.
- DO NOT mount the Zoombak Locator under the hood of the vehicle
- DO NOT mount the Zoombak Locator where it will be exposed to moisture
- DO NOT mount the Zoombak locator in a spot that will impede safe vehicle operation

## Step 2 - Mount Device

Your installation kit includes a device mounting bracket to provide for secure installation as well as the ability to remove the device for portable use. Zoombak recommends the use of Velcro set or 2 sided tape for installation of device bracket. Use of mounting bracket is optional; the Zoombak locator can be mounted directly using supplied Velcro, 2 sided tape and zip ties.



### Step 3 - Mount Device Charger

The device charger should be securely attached to the vehicle, close to the device attachment, using the four mounting holes. The device charger can be securely attached using the included Velcro or the included zip ties.

### Step 4 - Connect Power Harness

USE CAUTION WHEN PROBING WIRES IN THE VEHICLE.  
AVOID HARNESS GOING INTO AND AROUND THE AIRBAG MODULES.  
AVOID ANY HARNESS TAPED IN YELLOW OR BEARING YELLOW "SRS" (SUPPLEMENTAL RESTRAINT SYSTEM) TAGS.

Use wire ties to secure wiring from being pulled out of the Zoombak Locator and to insure that it does not interfere with any vehicle components.

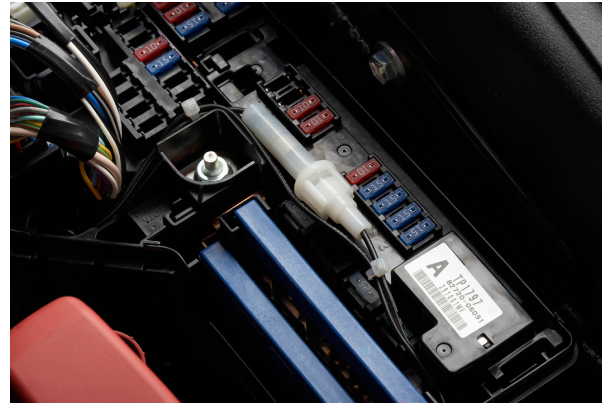
#### Black Wire (-) ground wire

Once the Zoombak Locator Power Supply module is mounted, connect the black ground wire to an existing factory bolt using crimp-on ring connector. Please note: the power wire is also black, however, it has a dotted white line with the white plastic fuse holder attached to it. This connection should be made first. Use a wire brush or rotary file to remove the paint from around the bolt to allow for the best possible connection to ground. A good location to find a suitable bolt is in either the drivers or passengers kick panel. Do not select a bolt that has an existing factory ground wires attached to it. Make sure the bolt is retightened properly after you are finished. Make sure any paint underneath the bolt has been removed to provide the best possible ground connection. Once the vehicle is reassembled this connection should not be immediately visible.

#### Red (12v+) positive supply wire

Once the ground connection has been completed, locate a source of positive (+) 12 volts that remains constant regardless of whether the

ignition switch is in the on or off position. Please note: the (12v+) positive supply wire may not be red, please consult your vehicle manufacturer's handbook for determining the correct location of this supply wire. A good location to find a constant 12v (+) source is at the vehicles battery, main switch ignition harness or fuse box. Make sure you install the fuse holder within 6 inches from the point you have obtained power. The included fuse is designed to protect the power supply itself. Use caution if you are using a fuse tap; severe and costly damage may occur to fuse box if they are not used correctly. Make certain the circuit you tap into does not fall "asleep" after the car ignition has been turned off. Most new vehicles incorporate battery saver circuits which switch off power to non-essential accessories after the vehicle has been switched off. Consult the vehicle manufacture shop manual for location and descriptions of these circuits.



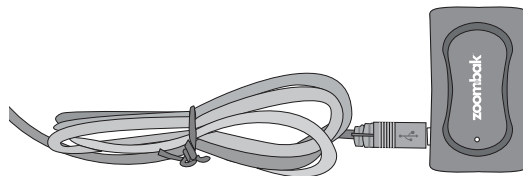
## Step 5 - Power the Zoombak Locator device

Turn on the Zoombak device, press and hold the power button until device LED indicator begins to glow (about two seconds). Blinking green LED indicates normal operation.

LED Indicator



Connect the Mini USB connector to the Zoombak device as shown below.



The device LED will glow steady amber if device battery is charging or steady green if fully charged. The steady glow indicates normal operation with 12VDC charger.

The device is now ready to be placed in attachment accessory for permanent operation. Slide the device in the attachment as shown below.



## Step 6 - Test Device

The device has an LED status indicator as shown in picture below; the device LED will display a solid amber light when device is charging and a solid green indicator when device is fully charged.

Your Zoombak device is now operational and ready for use in your vehicle. Please refer to the Quick Start Guide and [zoombak.com](http://zoombak.com) for usage tips and instructions on how to customize your service.

### LED Indicator



## Troubleshooting

Issue	Action Required
No visible LED status	Power On Device per section 3.2.
Blinking LED	Connect Device to Constant power source when ignition key is removed. Ensure the red wire is connected to 12VDC power source. With a meter verify there is 12 volts on the red wire. Ensure the USB cable is plugged into Zoombak device. Device LED will have Solid Amber or Green light when proper power source has been installed.
Unable to acquire GPS fix through Web Portal	Move the vehicle to new location that does not have obstacles directly overhead.
Unable to acquire GPS fix through Web Portal	Aftermarket window tinting may affect reception of GPS signals. Move the device to new mounting location.