

TRAX 7 INSTALLATION GUIDE

DISCLAIMER- PassTime assumes no liability regarding improper installation or misapplication of its products. This document is for illustrative purposes only. It is the responsibility of the installer to ensure safe and proper installation.

INTRODUCTION

The PassTime Trax 7 is an easy to install locator device with simple 2-wire or optional 3-wire (w/Ignition) installation. In addition, it also has three outputs to support optional Starter Interrupt and Door Lock/Unlock functionality (see pages 2-3).

2-Wire or 3-Wire Installation (Basic TRAX GPS, InTouch™)

For on-demand GPS tracking, lot management and simple InTouch™ installs, only the **RED** (Batt) and **BLACK** (Gnd) wires are needed.

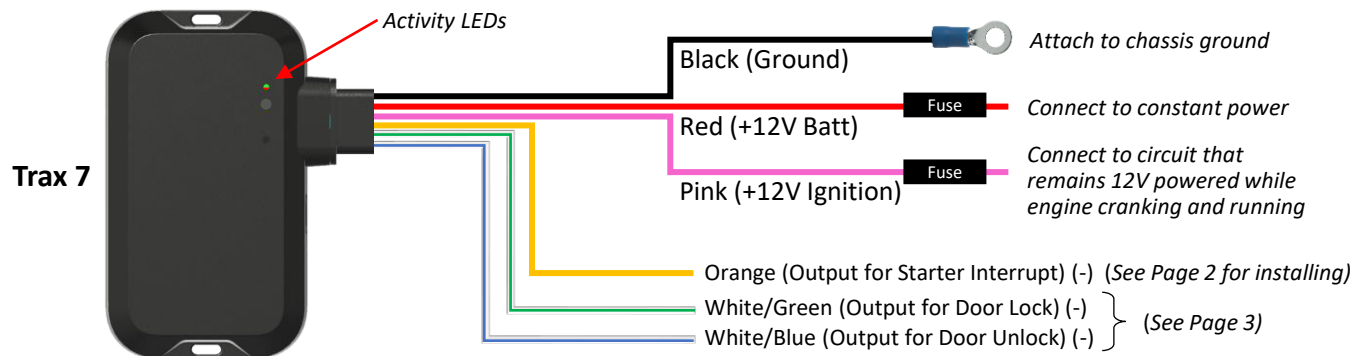
- **Step 1** - Connect **RED** wire to a +12V constant power source (directly to positive terminal of the battery or a circuit that never loses power regardless of vehicle running). Be sure to add a 1-amp fuse as close to the connection point as possible (see **Installation Precautions** below)
- **Step 2** - Connect **BLACK** to a good, metal chassis point.

Upon successfully connecting the two wires to a good 12-volt source, you will hear an audible “wake-up” chirp from the device and briefly see an illumination of the activity LEDs. The device will begin attempting to obtain a location via satellite (GPS and others) as indicated by a flashing green LED and then attempt to establish a cellular connection as indicated by a flashing red LED.

For more accurate Tow Detect notifications or to support Ignition monitoring, connect the **PINK** (Ignition) wire.

(If not using Starter Interrupt or the features mentioned above are not needed, this step is optional.)

- **Step 3** (Optional) - Connect **PINK** to a true Ignition source (a circuit that has +12V when the engine is running and when engine is being started “engine cranking”). See **Installation Precautions** below for protecting the length of wire.



INSTALLATION/MOUNTING

When installing/mounting the device, the LED's must be facing up to the sky or away from the mounting surface with no obstruction by solid metal overhead.

PassTime recommends installing the device as **high in the dash** as possible to ensure the **best antenna performance** and avoid potential tampering.

- Above or behind instrument cluster
- Above any accessible air vents
- Above or behind the radio/center stack



To **prevent potential damage** to vehicle and Trax wiring, it is **strongly recommended** to add an inline 1-amp fuse (glass type or plastic type examples shown below) to the **Battery** and wire, and if used, the **Ignition** wire. This is a safety precaution to protect the length of wire between the +12V connection point and Trax device in the case of a nicked or pinched wire contacting metal. **The fuse should be placed as close to the source of power connection point as possible.**



The included tie-strap can be threaded through the eyelet holes to anchor the device to a wire loom or item.

For additional install locations or questions, contact PassTime Support at 1-800-865-3260

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Page 2 – Starter Interrupt Installation

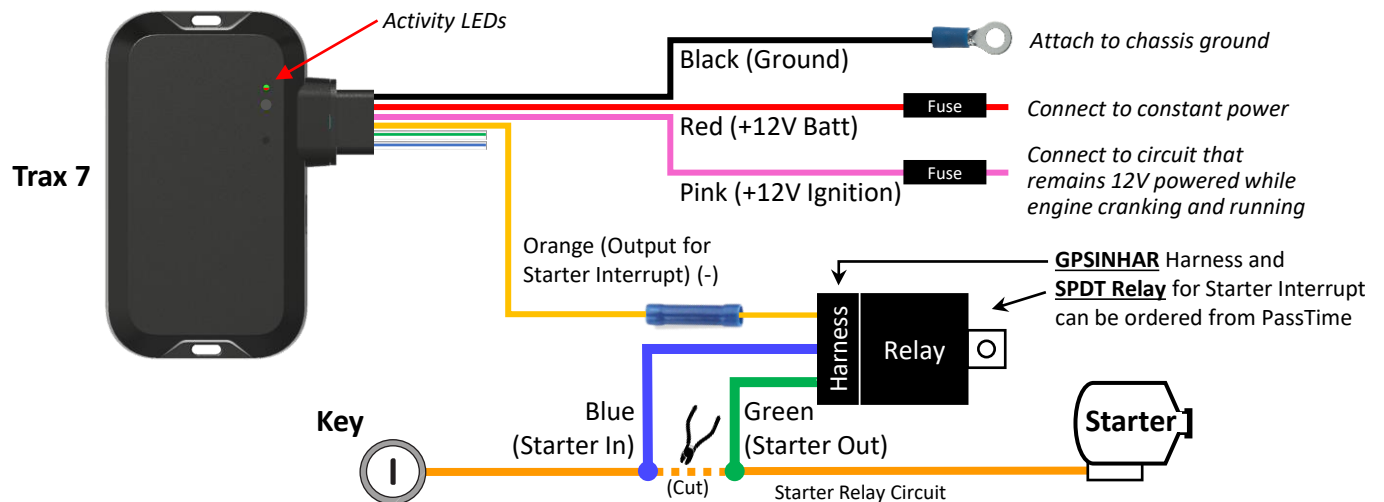
Optional Starter Interrupt Installation

When Starter Interrupt operation is desired, the **ORANGE** wire connection is additionally needed. Connect Ground (**BLACK**) and Power (**RED**) as instructed on Page 1. Additionally, connect as follows:

- **Step 1** - Connect Ignition (**PINK**) to ensure proper access to and use of the key on/off override (5-try method)
- **Step 2** - Connect **ORANGE** wire to an external relay wired as **Normally Closed (NC)** to interrupt power to engine starter.
- **Step 3** - Use a PassTime **GPSINHAR** pre-wired relay harness (Included in a Trax Starter Interrupt bundle) to simplify connections. Cut the wire that carries 12V to the starter during a normal engine start ("Starter Relay Circuit"). Connect the **BLUE** and **GREEN** wires of the **GPSINHAR** harness to the cut ends of the Starter Relay Circuit as illustrated below.

When the Trax device is idle, the "Start In" and "Start Out" wires that connect/interrupt the Starter Relay Circuit between the key switch and the starter are connected, or "closed."

- On a permitted start, the Trax device leaves the relay at rest to allow "start" to occur
- On a disabled start, the Trax device, together with the 12V input from the key-side input activates the relay to interrupt the connection, preventing "start" from occurring

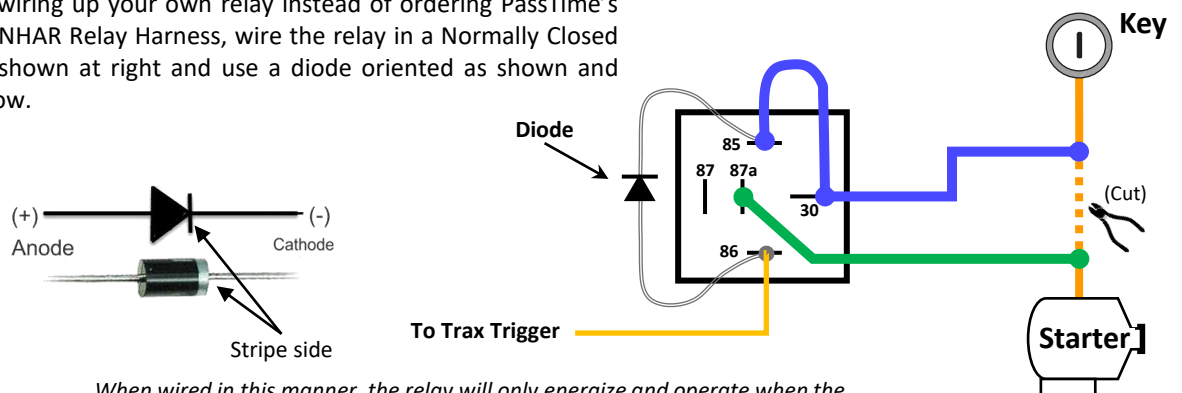


Attention: The **ORANGE** starter interrupt wire provides a constant Ground output (-) that is enabled whenever the Trax device is set to **DISABLE** state. Therefore, it is extremely important to use the PassTime **GPSINHAR** harness or follow the relay wiring instructions below to make sure the relay is only energized when a start attempt occurs.

NEVER connect the Starter Interrupt system to a circuit designed to operate something other than a vehicle starter.



Attention: If wiring up your own relay instead of ordering PassTime's prewired GPSINHAR Relay Harness, wire the relay in a Normally Closed configuration shown at right and use a diode oriented as shown and illustrated below.



When wired in this manner, the relay will only energize and operate when the vehicle is attempted to be started. At all other times, the relay will be at rest.

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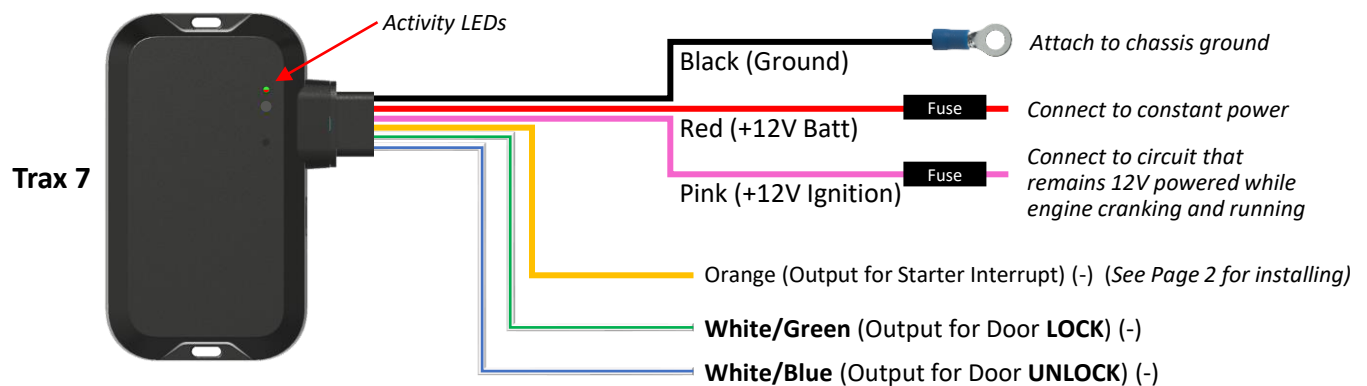
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Page 3 – Door Lock/Unlock Installation

Optional Door Lock/Unlock Installation

When control of vehicle door locks is desired, the **striped WHITE** wires are used to operate relays or connect to door lock interface systems sold in the market. Note that not all vehicles may be compatible with remote door lock control.

- **Step 1** - Connect Ground (**BLACK**), +12V Constant (**RED**) and switched Ignition (**PINK**) as illustrated below and described on page 1 as well as Installation/Mounting instructions.
- **Step 2** - Connect **WHITE with GREEN STRIPE** (LOCK output) to an external relay or to a door lock interface accessory for operating the LOCK function.
- **Step 3** - Connect **WHITE with BLUE STRIPE** (UNLOCK output) to an external relay or to a door lock interface accessory for operating the UNLOCK function.



The LOCK and UNLOCK outputs are momentary Ground (-) outputs designed to send a signal to a relay or a door lock interface module to temporarily energize the intended action. Starter Interrupt functions may be used simultaneously with Door Lock/Unlock functionality.



Attention: Door locking/unlocking systems vary by manufacturer, model and year. Connecting to door locks should be performed by skilled installers with access to reference materials for connectivity into vehicle wiring. Older vehicles may be able to be operated with simple 12V relays while most newer vehicles will require an interface module that must be professionally installed and flashed with firmware to match the specific vehicle. These systems interface with the vehicle security system such that using the lock/unlock controls will not trigger the vehicle alarm. Not all vehicles may be compatible with remote door lock control.

Door lock interface systems (sold separately) offer a variety of control functions when properly interfaced with a vehicle. These are highly specialized devices and require special firmware loads in order to make them operate as intended. Failure to follow proper installation may cause severe damage to your PassTime device or your vehicle wiring.

For questions about door lock interface systems, please contact PassTime Support at the number below or consult with door lock interface manufacturers.

The PassTime Trax device is known to be compatible with several leading interface systems including the following which may be available at specialty automotive installation centers and retailers:

- Directed Electronics **DB3**
- FLASHLOGIC **FLCAN**
- Fortin **EVO-ALL**

Other systems may also be compatible. All manufacturer names and associated trademarks are the property of the respective manufacturers.

For additional install locations or questions, contact PassTime Support at 1-800-865-3260