

The TALON™ INSTALLATION GUIDE



WIRING DESCRIPTION:

BLACK	Chassis Ground, connect to a solid chassis ground
RED	+12V Constant Input, connect to a constant 12 volt power source
YELLOW	Not Used
WHITE	Ignition Sense
GREY	Not Used
ORANGE	Not Used
GREEN	(1 amp negative output) Starter Disable wire

Getting Started

The TALON™ model is a completely self-contained device, requiring only a constant power and ground to operate. Within the case are two antennas for both GPS data and GSM/GPRS communication. This device is easily installed in a concealed location under the dash.

Tools Required for Installation:

- Screwdriver
- Digital Volt Meter
- Wire stripper/cutter/crimper

Support and Instructions

East 317 918 8077

West 949 279 6062

Standard Installation Instructions

1. THE TALON requires constant power to operate properly. The Red wire will need to be connected to a constant +12V source. This can easily be located under the dash; fuse panels are a good place to start, as well as the thicker gauge wires. The Black wire will need to be connected to a solid ground. Always use a bolt directly connected to the chassis to ensure a good ground. With the warning buzzer system, the White wire will need to be connected to a keyed 12v power source.
2. When mounting THE TALON, the THIS SIDE DOWN imprint needs to be face DOWN and there should be no metal above the device. The device's internal antennas will be able to get a signal through plastic, glass, etc., but metal objects will interfere. It is recommended that you power-up the device first so you will be able to view the LED lights before final mounting.
3. Once the wires are attached the device will power up. Once powered up, the LED indicators will show a flashing red light, indicating scanning for a GPS signal and a flashing green light scanning for cellular coverage. When the green light and the red light remain solid, you are getting a good GPS and cellular signal. If you are unable to get a GPS and cellular signal after 5 minutes, reposition and try again. It may take 5-7 seconds to see any LED activity and up to 15 minutes to get an initial GPS lock.
4. **GPS Wiring Connections:**
 - BLACK WIRE:** chassis ground, connect to a solid chassis ground
 - RED WIRE:** +12V Constant Input, connect to a constant 12 volt power source
 - YELLOW WIRE:** Not Used
 - WHITE WIRE:** Ignition Sense
 - GRAY WIRE:** Not Used
 - ORANGE WIRE:** Not Used
 - GREEN WIRE:** (1 amp negative output) Starter Disable wire
5. **Starter Disable Connections "Relay Socket"**
 - RELAY Harness – RED WIRE:** connect to hot side of the cut starter wire. **RELAY Harness – WHITE WIRE:** connect to cold side of the cut starter wire. **RELAY Harness – GREEN WIRE:** connect to the Green Wire on GPS device wire harness (See Relay diagram)
6. Starter Disable with ECM installation needs to be performed whenever any sort of control or security module is installed between the key (ignition) and the starter. In these cases, the standard starter disable installation does not apply. The starter wire goes into an onboard computer, generally carrying a low voltage into it instead of the standard 12V. YOU WILL NEED TO HAVE A DIGITAL VOLTAGE METER, NOT A TEST LIGHT. IF YOU TAP A WIRE WITH A LOW VOLTAGE (3-5 VOLTS) YOU MAY LOCK DOWN THE VEHICLE. Follow the low voltage from the ignition key to the ECM. Once you have located the proper 12V wire after the ECM, use your Digital Volt Meter to ensure that it is a 12V supply coming out of the ECM. Proceed with the standard starter disable instructions (given above) using this wire.
7. **NOTE:** Make sure to check all functions including Starter Disable and Starter Enable, before releasing the vehicle to the customer.

The use of services for the device(s) you purchased and username provided to you is strictly subject to the terms and conditions of a Subscription Service Agreement and Terms of Purchase located on the web site used to access the services. The first time you login, and from time to time thereafter, you will be required to accept the Subscription Service Agreement and Terms of Purchase on the web site in order to use the services. If you provide the username and password assigned to you to another individual or entity you are authorizing that individual or entity to accept the Subscription Service Agreement and Terms of Purchase on your behalf. You should carefully review the Subscription Service Agreement and Terms of Purchase. If you do not agree to the terms and conditions of the Subscription Service Agreement and Terms of Purchase return the unused device for a refund of the purchase price, less shipping and handling charges, or, for devices that have been used, contact Spireon, Inc. to receive a refund for any unused prepaid service.

Support and Instructions

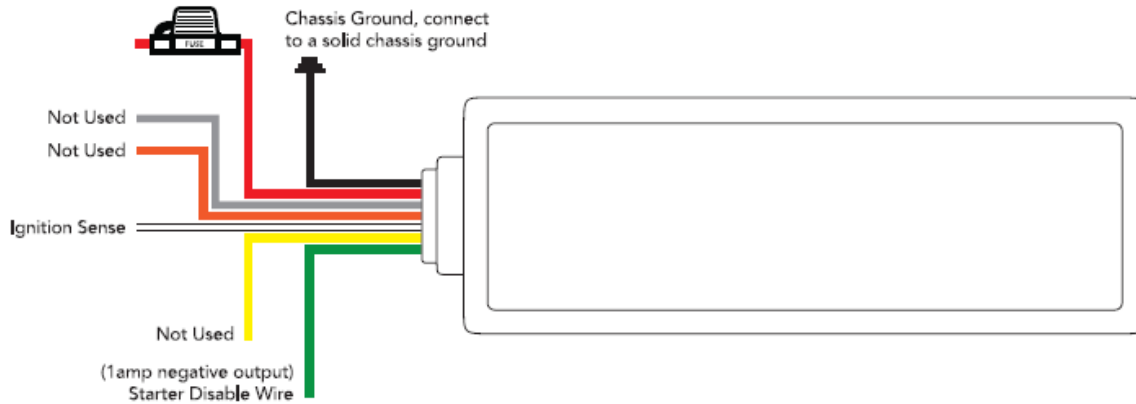
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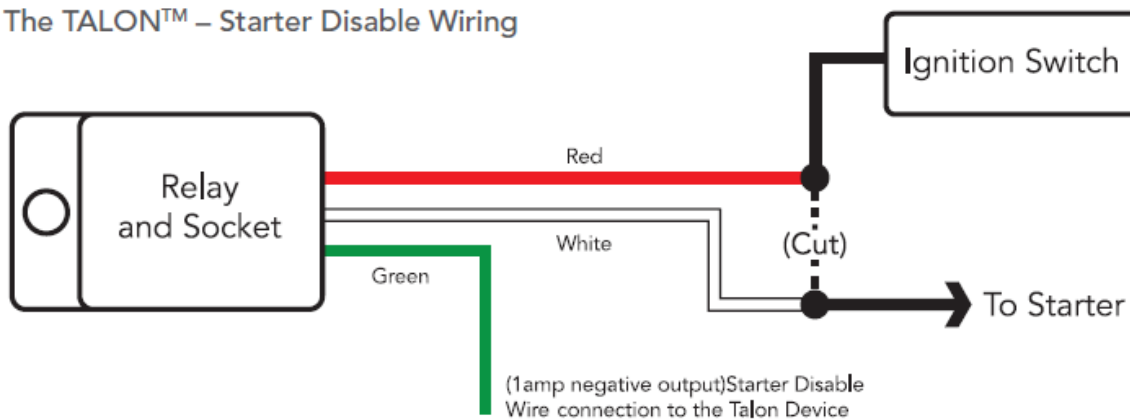
Wiring Diagram and Starter Interrupt Relay Installation Instructions

The TALON™ Wire Diagram

+12V Constant Input, connect to a constant 12 volt power source



The TALON™ – Starter Disable Wiring



Installation Do's and Dont's

DO

- Ground directly to the frame
- Make solid splices and insulate them well
- Secure the device and all wiring
- Ensure the proper light sequence before closing up the dash
- Use a constant 12v power supply (verify using a digital volt meter)

DON'T

- Use small screws for grounding that are not attached to the frame
- Connect to a 12V source that only has power when the ignition key is on
- Splice wires together loosely without insulating properly
- Let the device and wiring hang loosely
- Use a test light

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RMA / Return Materials Authorization

Please complete this form in order to receive proper and prompt handling



RA# _____ DATE: _____

Please refer to your product warranty included with units delivered to ensure coverage. If out of coverage Period please call the 317 918 8977 and ask for Warranty Administration.

Dealership Name: _____ Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Product(s) Being Returned:

GPS Device(s): _____ Antenna(s): _____ Harness(es): _____ Relay(s): _____

Please List All Serial Numbers

(Found on back of device - i.e. M812T12345678)

Problem:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- Before returning product(s), you must obtain an RA Number from Customer Service.
- An RA Number will only be issued for products that are under warranty.
- The customer is responsible for shipping charges to Spireon Returns.

Ship **ONLY** products that are determined to be in need of repair to:

Crossbow Group, Inc.

16356 Trace Blvd North

Westfield, IN 46074

ATTN: Warranty Administration

317 918 8077

