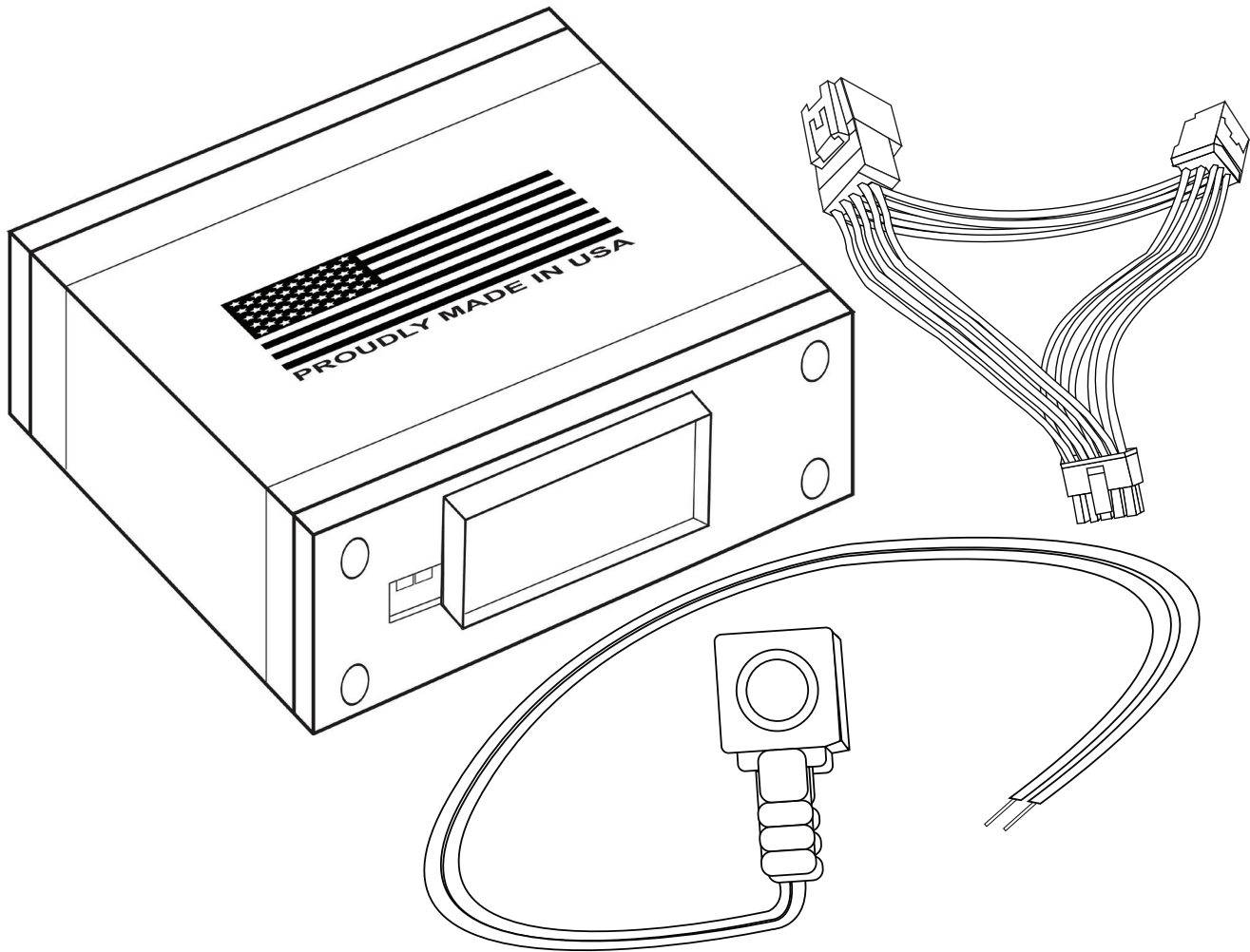


Installation Manual (NAVRGB6.0-VI+TL10)

Toyota Avalon 2003-2010



Manual Version: 1.0

DESIGNED + MANUFACTURED IN THE



NOTICE: We recommend having this installation performed by a certified technician.
All product names, logos, brands, trademarks and registered trademarks are
property of their respective owners.

WELCOME

IMPORTANT WARNING

Failure to follow these instructions carefully or not installing the interface as described could cause damage to the vehicle or safety systems on the vehicle. Any interference with specific safety systems could cause harm to other people as well.

This manual provides detailed instructions for this specific interface and vehicle type. Follow them as described. If the installer is not sure or does not feel comfortable, consult a competent technician who has the knowledge, experience, and understanding of how to complete the installation. Failure to do so will void your warranty on your interface and maybe on the vehicle.

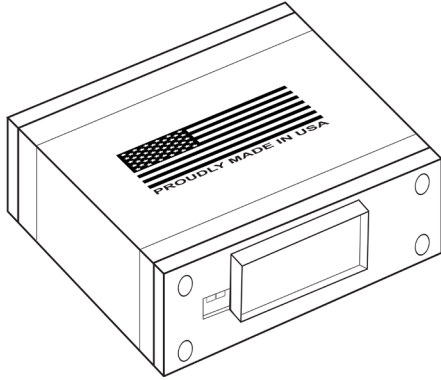
Precautions

PLEASE READ BEFORE YOU START THE INSTALLATION

- Please study these instructions carefully before installing the interface.
- Protect the areas of the vehicle you will be working on before starting the disassembly.
- Use painters' tape or equivalent, and use protective blankets or covers on the front seats, interior panels, and center console.
- Do not disconnect the battery if the vehicle has an anti-theft coded radio unless you have the radio code.
- Write down radio code here if applicable _____.
- If installing an external push button switch, go over the location with the vehicle owner and make sure it is in an accessible place.
- To avoid accidental battery drainage, turn off the interior lights or remove the dome light fuse.
- Roll down a window to avoid being locked out of the car.
- Set Parking brake.
- Remove the negative battery cable if necessary.
- Always secure the interface with Velcro or double-sided tape to prevent rattling or damage.
- Make sure that the panels fit correctly.
- Use electrical tape on all your connections and splices, do not leave any exposed wires.
- Route all wires along with factory harnesses. Do not drill or make any unnecessary holes.
- Always use the help of a professional installer to prevent any damage to the vehicle or the interface.

What's In The Box?

Interface
(Part # NAVRGB6.0-VI)



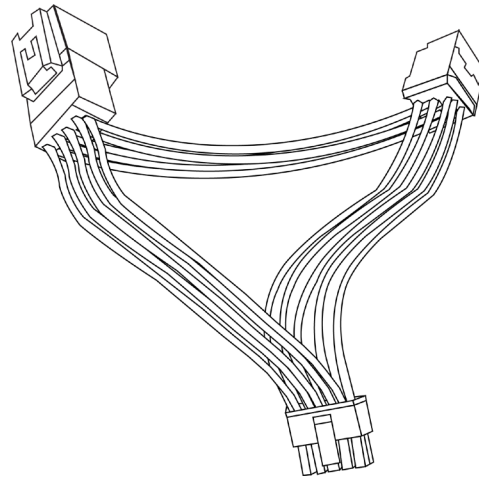
Push Button
(Part # NT-PUSH-BTN)



Interface Harness
(Part # NT-WHNT6)



Vehicle Specific
Plug and Play Harness
(Part # NT-TL10)



Installation Instructions

Step 1: Locate the Vehicle's DVD-ROM Navigation System.

(Located in the trunk for sedan vehicles, located under the front seat for SUV vehicles)

(Vehicle disassembly may or may not be required depending on the vehicle)

Step 2: Disconnect the 10 Pin Connector from the back of the Vehicle's DVD-ROM Navigation System.

Step 3: Connect the female end of the Supplied Vehicle Specific Harness TL10 into the Factory Harness you disconnected.

Step 4: Connect the male end of the Supplied Vehicle Specific Harness TL10 into the back of the Vehicle's DVD-ROM Navigation System. (where you disconnected the factory plug).

Step 5: Connect both 10 pin connectors on the Interface harness and the Vehicle Specific Harness NI24 together.

Step 6: Cut off the Red (+12 Volts ACC) and Black (Ground) wires off of the 6-pin plug on the interface harness.

Step 7: Connect the Red wire (+12 Volts ACC) to the Vehicle's factory accessory wire.

(Vehicle's factory accessory wire located on PIN 18 of the 18 Pin Connector behind the Vehicle's DVD-ROM Navigation System) *See image shown below*

Step 8: Connect the Black wire (Ground) to the Vehicle's factory ground.

(Vehicle's factory Ground wire located on PIN 17 of the 18 Pin Connector behind the Vehicle's DVD-ROM Navigation System) *See image shown below*

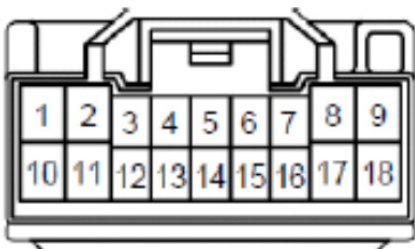
Step 9: Connect the Orange wire (+12 Volt Reverse Input) to the Vehicle's factory reverse wire.

(Vehicle's factory Reverse wire located on PIN 14 of the 18 Pin Connector behind the Vehicle's DVD-ROM Navigation System) *See image shown below*

Step 10: Connect one wire of the push button to +12 Volt ACC power in the vehicle and the other wire to the white manual activation wire on the interface harness. (Not required for installations with reverse camera only)

Step 11: Connect your aftermarket cameras/video inputs to Rear Camera Input/Video Input 1 and Front Camera Input/Video Input 2 on the interface harness.

Step 12: Make sure both dip switches on the interface are facing UP in the OFF Position. Plug the interface harness into the interface.



Wire Side View of the 18 PIN Connector Located Behind the Vehicle's DVD-ROM Navigation System

Pin 14: Reverse Wire

Pin 17: Ground Wire

Pin 18: Accessory Wire

Testing and Operation

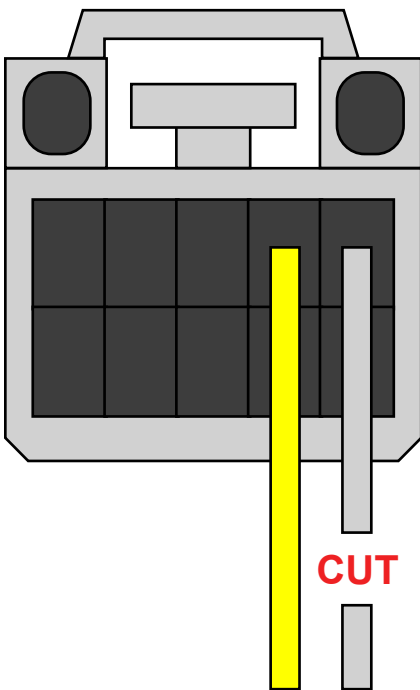
Step 1: Turn on the ignition. A green LED will light up on the interface to confirm it has power.

Step 2: Press the push button once to turn on and display Video 1. Skip this step if only using reverse camera. (If no video source is connected you will see a “no signal” message)

Step 3: To return to the factory information screen press and hold the push button for 2 seconds

Step 4: To test the aftermarket reverse camera operation, press on the brake and set the vehicle in reverse. The reverse camera will display. if no camera is connected a “no camera connected” message will appear.

To Turn On parking lines, place vehicle in reverse and hold 12 volts to the white wire until the lines Turn On.
To Turn Off parking lines, place vehicle in reverse and hold 12 volts to the white wire until the lines Turn Off.



Wire Side View of Supplied Vehicle Specific Harness TL10 (Male End)

If you see the navigation image ghosting on the screen when one of the video inputs is activated, cut the wire to the right of the yellow wire on the male end of Supplied Vehicle Specific Harness TL10.

User Manual



You do not need to use the push button if only a reverse camera was installed

The reverse camera will automatically display when the vehicle is placed in Reverse. It will automatically Turn OFF when the vehicle is placed in any other gear and will display the factory screen.

To View Video 2 (Front Camera if Installed)

If no video source is connected you will see a “No Signal” message.

Step 1: Press the push button once to Turn ON the interface. This will display Video 1.

Step 2: Press the push button once to switch from Video 1 source to Video 2 source.

Step 3: Press and Hold the push button for 2 seconds to return to the factory screen.