

NAV-TV

INTERFACING THE FUTURE

3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760

NNG-Toyota 4s

Navigation interface for select Toyota vehicles

NTV-KIT605



NTV-DOC228

NNG-Toyota 4s Kit Content



1. Toyota 4s GPS Interface
2. Toyota 4s Internal Modification PCB
3. Toyota 4s Plug & Plat T-Harness
4. Audio Switch Module
5. TP/LCD Cables
6. TP/LCD Y-Cable for PCB
7. Audio IN/OUT Y-Cable
8. Rear-LCD Harness
9. GPS Antenna
10. OEM/NAV Toggle Switch

Important: This system is designed for Toyota Entune Plus Radio with APPS button. Please refer and verify with the following radio model before proceed (radio model number is located in the front of radio below the display screen).

2014.5	Camry Apps Radio	P 10507	Pioneer
2015	Camry Apps Radio	P 10719	Pioneer
2014-15	Highlander Apps Radio	P 10431	Pioneer

** Please contact us or your distributor if your radio model does not match the description above. We will not be responsible if you continue the installation process without verification. Any dash removal and radio disassemble should not be performed without confirmation. **

Note:

This package has different hardware configuration than our previous Toyota systems. Please be aware and pay attention to all information from this manual.

WARRANTY DISCLAIMER NOTICE! Radio removal, disassembly, installation of Navigation Electronics, and Radio re-assembly / re-installation is the responsibility of the installer. It is recommended that you contact a professional installer that is experienced with proper work methods involving electronics and knowledgeable of specific procedures for radio disassembly, Navigation Electronics installation, and re-assembly / re-installation of the Radio Head Unit in the vehicle. **INSTALLATION DAMAGE TO THE VEHICLE RADIO HEAD UNIT IS EXPRESSLY NOT COVERED UNDER THE PRODUCT WARRANTY.**

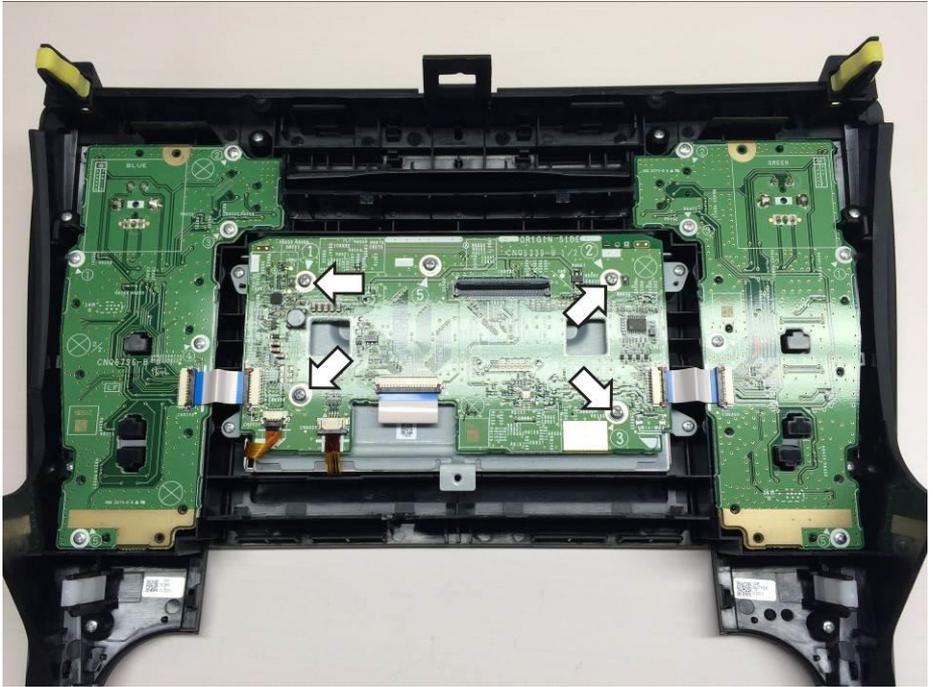
To avoid dangerous distractions that may lead to an accident, the driver should never operate the system while the vehicle is in motion. Before installing the product, the seller should inform the end-user of proper use and compliance with the proper instructions and all states and federal laws.

Before beginning your installation, familiarize yourself with the installation instructions and the Navigation system components.

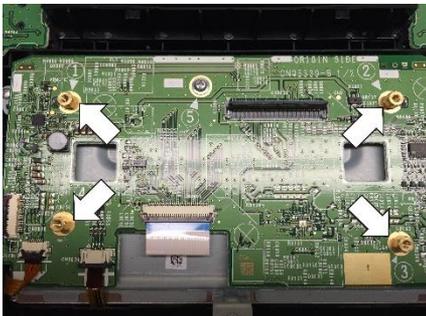
CAUTION: It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

Camry Radio Installation

(Highlander installation located separately in this manual)



1. Carefully remove the radio from dash
2. Carefully remove the radio chassis from the radio front plate
3. Remove the 4 screws from factory as indicated above

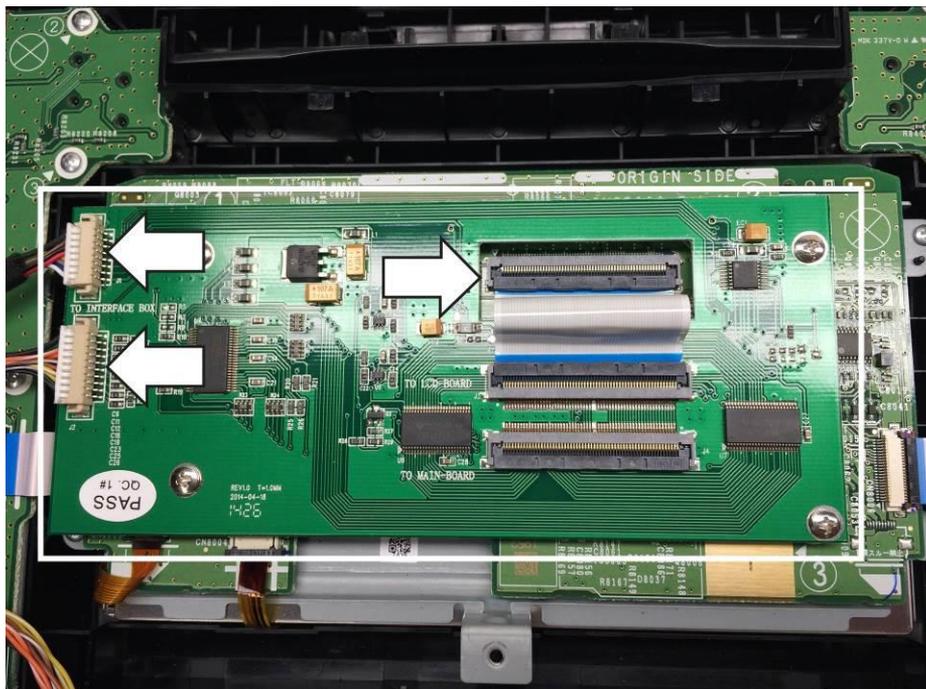


Install the supplied spacers as indicated



Prepare the ribbon cable to route under the opening

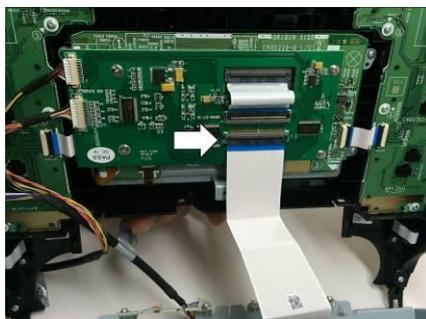
Camry Radio Installation (cont.)



1. Place the PCB as indicated above
2. Install the ribbon cable to factory plug inside the PCB opening
3. Insert the TP and LCD cables to the PCB as indicated (noted the orientation of the plugs)

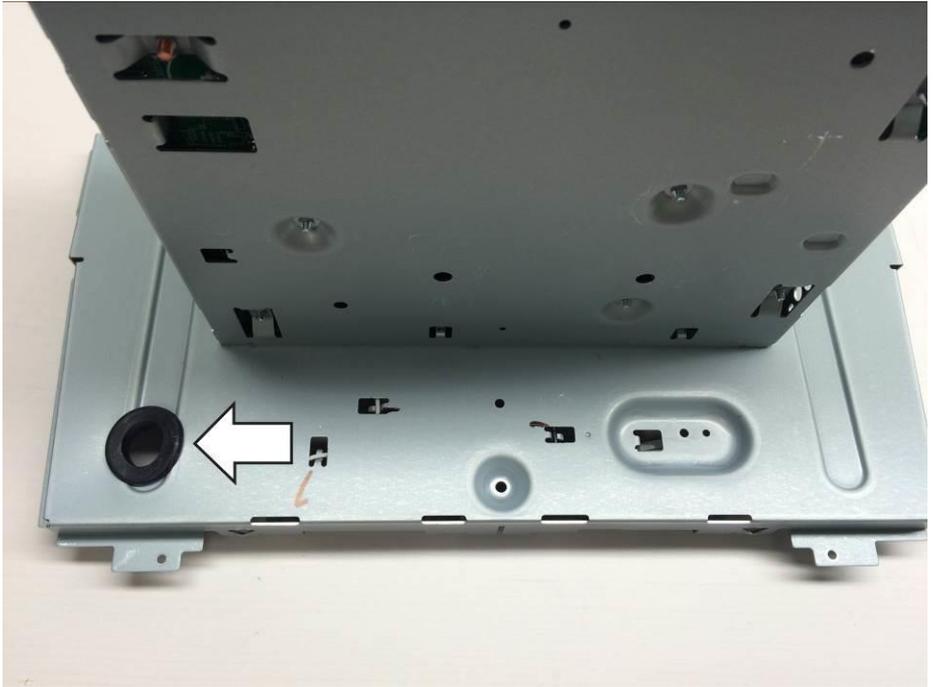


Orientation of the plugs



Insert the ribbon cable from radio chassis as shown

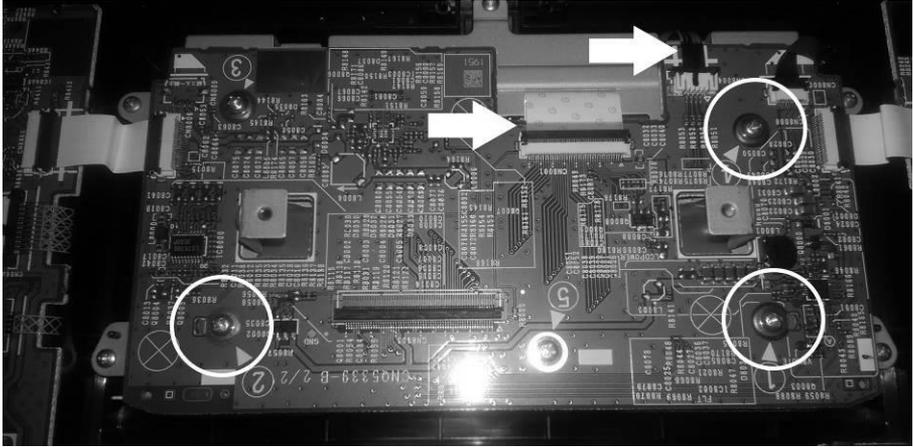
Camry Radio Installation (cont.)



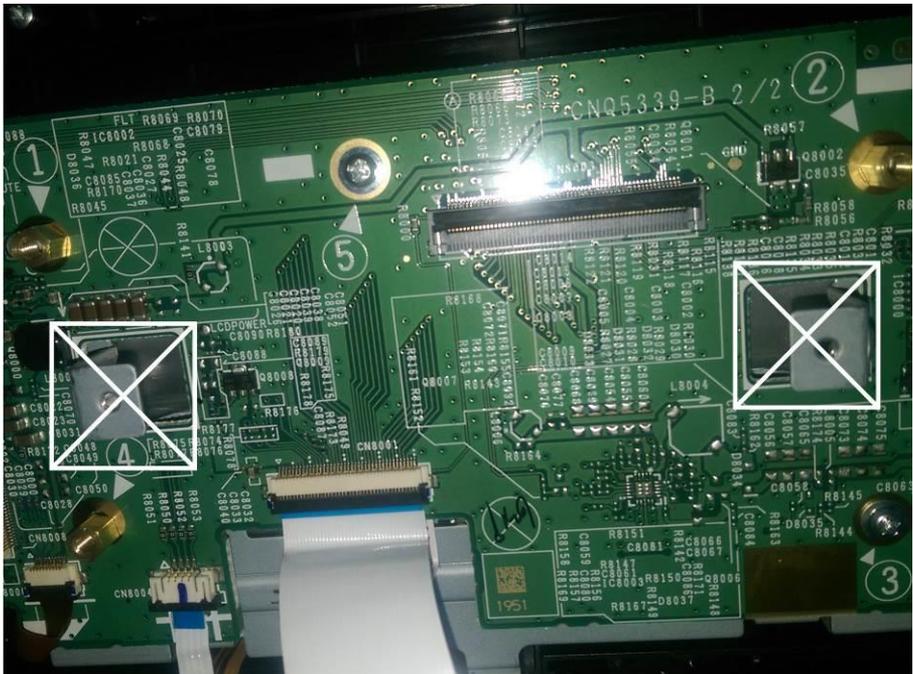
For Camry radio, a 5/8" hole is needed for wire exit. Drill a 5/8" hole as shown above and use the supplied protective grommet.

End of Camry Radio PCB Installation, jump to system diagram for wiring connections

Highlander Radio Installation



Remove (3) screws as indicated and release (2) ribbons cables from sockets carefully

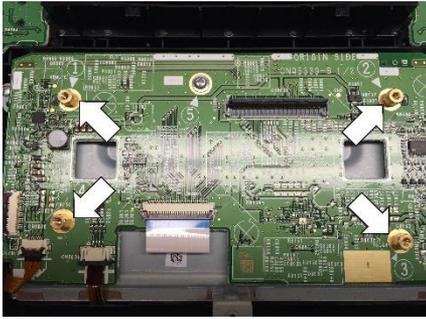


BE EXTREMELY CAREFUL to cut off the (2) metal tab from radio.

STOP!!

**** Ensure to clean off the dust and loose particles before continuation ****

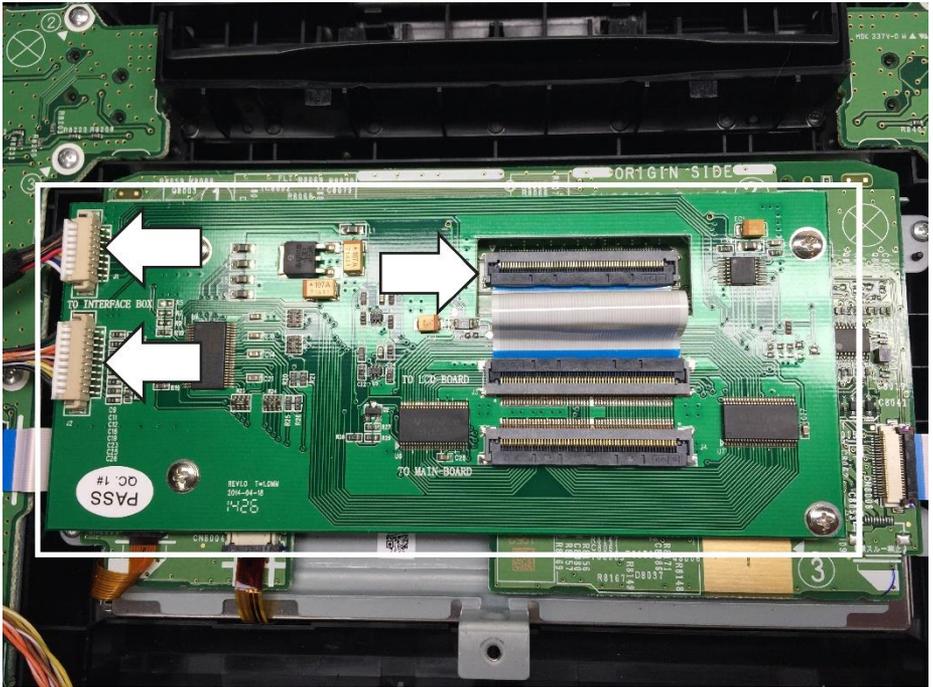
Highlander Radio Installation (cont.)



Install the supplied spacers as indicated

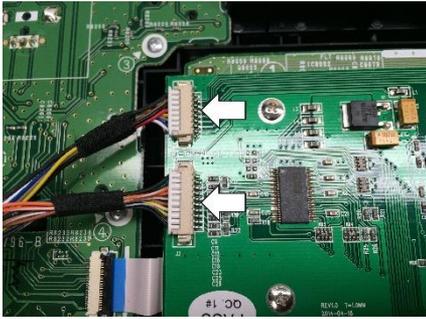


Prepare the ribbon cable to route under the opening

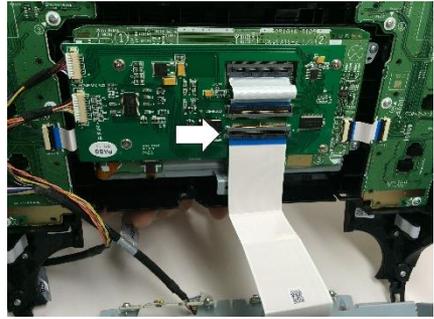


1. Place the PCB as indicated above
2. Install the ribbon cable to factory plug inside the PCB opening
3. Insert the TP and LCD cables to the PCB as indicated (noted the orientation of the plugs)

Highlander Radio Installation (cont.)



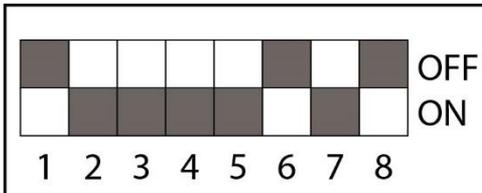
Orientation of the plugs



Insert the ribbon cable from radio chassis as shown

End of Highlander Radio PCB Installation, jump to system diagram for wiring connections

DIP Switch Settings



Factory default setting as shown with factory equipped backup camera

For aftermarket camera, turn dip switch 1 to OFF

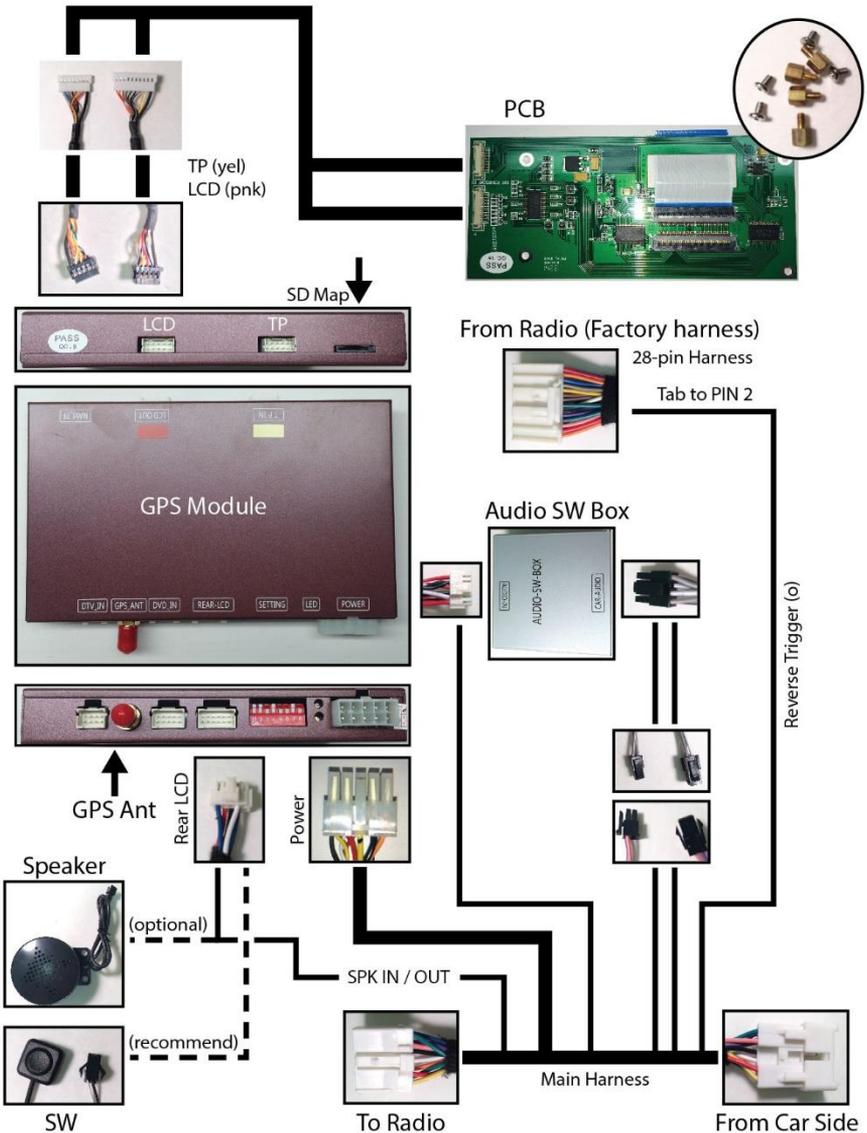
** The GPS module should be OFF when change any dip switch position **

Test system thoroughly before re-assemble of the radio and dash

Test reverse camera function

Test driver side speaker integration function (mute and voice from navigation software)

**** 28-PIN T-harness is not provided for this installation. Installer will have to tab to factory harness PIN-2 wire for reverse signal ****



Connect GPS Antenna to GPS Module (best GPS Antenna location is under passenger side A-pillar cover, on top of dash)

Tab and Connect reverse trigger wire (O) to FACTORY 28-PIN harness Pin-2 wire

Trouble Shooting

Please follow all the steps in this installation manual, failure to do so might void the product warranty and damage the factory radio

Power

GPS Module has (2) led lights as indicators when system is power on. Both led lights should lit with good power. If any of the light is dimmed, you should check for B+ and ACC power sources.

Display

No Display

1. There are two led lights at the GPS module to indicate data and power. If led lights are OFF and radio is ON, check the power fuse inside the black box from the main harness
2. Check all wiring connectors for any loose connection
3. Check all wiring shielding for any damage during the installation process
4. Check all wiring for any type of damage
5. Check PCB ribbon cables for loose, misalignment, or damage

No Touch Response

1. Check both Radio mode and NAV mode for touch responses
2. Check led lights for power and data indications
3. Check 2in1 TP/LCD IN cable for any loose connection, or damage
4. Check PCB ribbon cables for loose, misalignment, or damage

No GPS software loaded, touch screen alignment screen occurred

Check map SD card at GPS module, see any sign of missing, loose, pop-out, misalignment, or damage

Sound

1. Check all cable for connections to Audio Box for loose, or damage
2. Check software volume settings, ensure volume is not muted
3. Check connections at radio for loose, damaged wires