

NAV-TV

INTERFACING THE FUTURE

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NNG-Toyota 4

Navigation interface for select Toyota vehicles

NTV-KIT596



NTV-DOC227

NNG-Toyota 4 Kit Content



1. Toyota 4 GPS Interface
2. Toyota 4 Plug & Play T-Harness (power)
3. Toyota 4 Plug & Play secondary T-Harness
4. Toyota 4 Internal Modification PCB
5. Audio Switch Module
6. LCD/TP Cables
7. GPS Antenna
8. Audio IN/OUT Adapter
9. PCB LCD/TP Y-Cable
10. Rear-LCD Cable
11. NAV/OEM Toggle Switch

2014 – 2015 Highlander (non-apps Pioneer Radio)

2015 Camry (non-apps Pioneer Radio)

** Toyota 4 navigation system only compatible to vehicles listed above. All compatible radio should be non-apps radio (basic Pioneer radio with 6.1” touch screen). Please verify the radio has no APPS button on front plate for this system to install and work properly. **

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.

Highlander Dash / Radio Removal



Factory Radio / Dash



Pull and remove bottom trim piece by hand



Pull and remove A/C control with trim



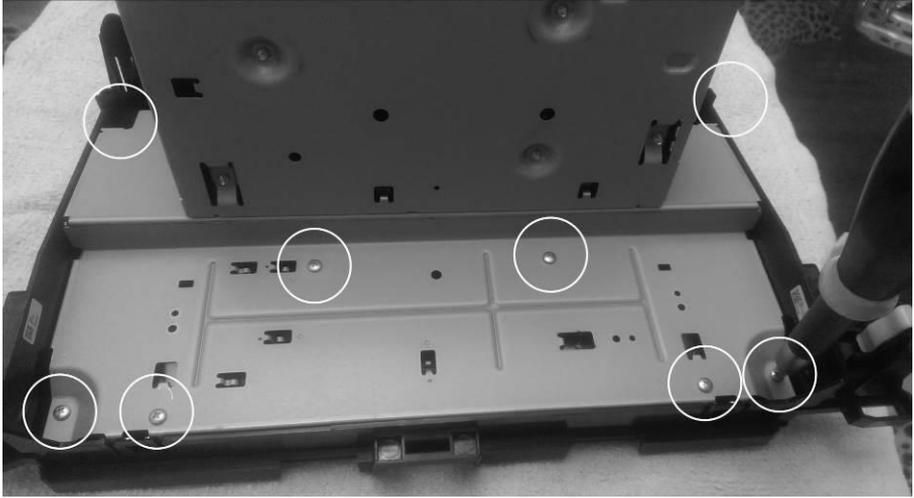
Pull and remove top trim piece by hand



Remove both air vents from dash

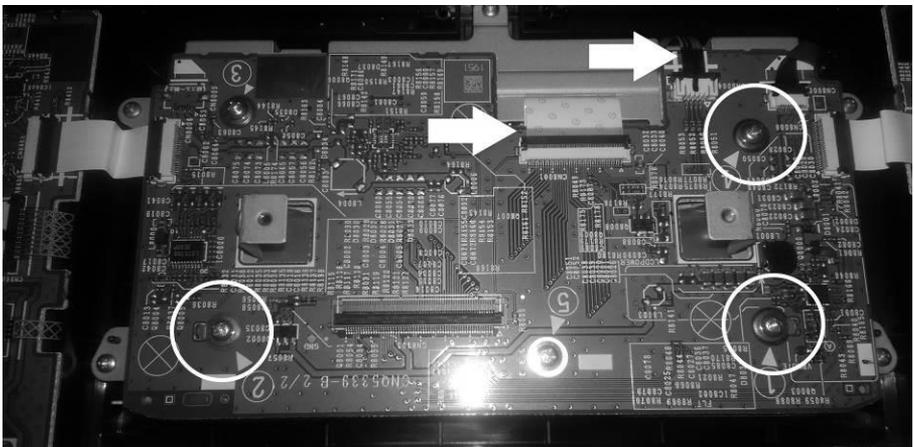


Remove (4) 10 mm bolts from radio bracket

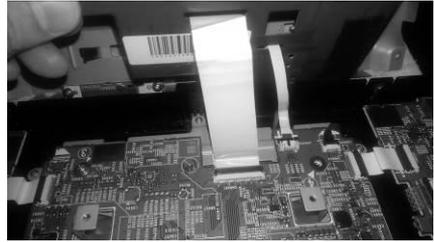
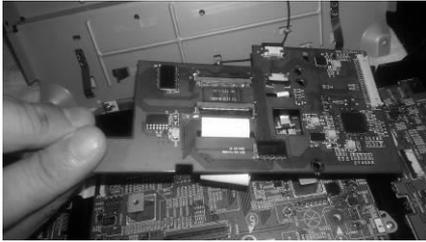


Remove radio brackets from both side and remove (8) small screws from back plate

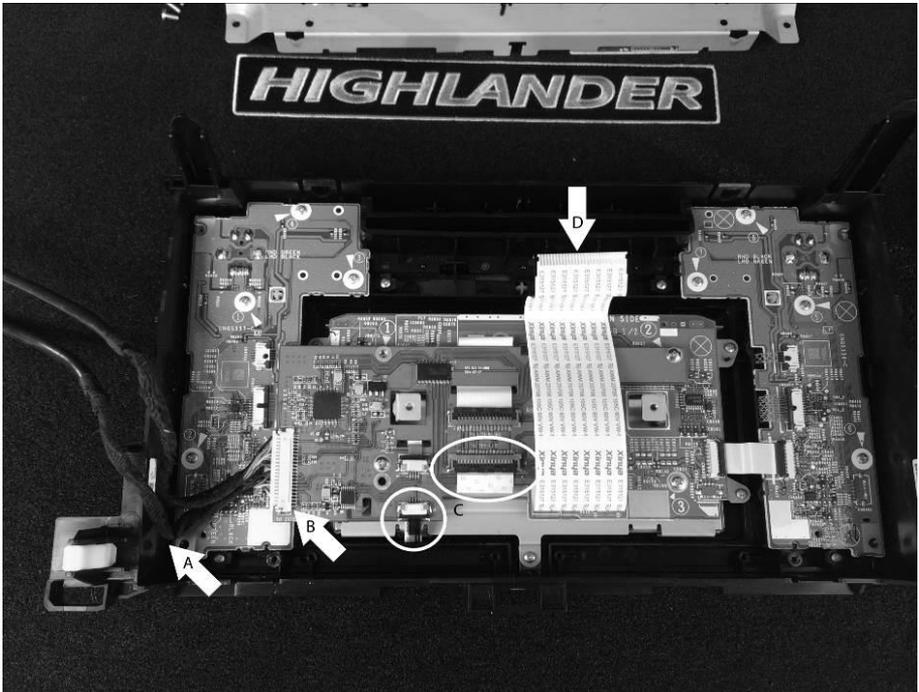
PCB Installation



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



Carefully route supplied PCB ribbon cable thru the slot. Then connect both display and touch ribbon cable to factory board as shown

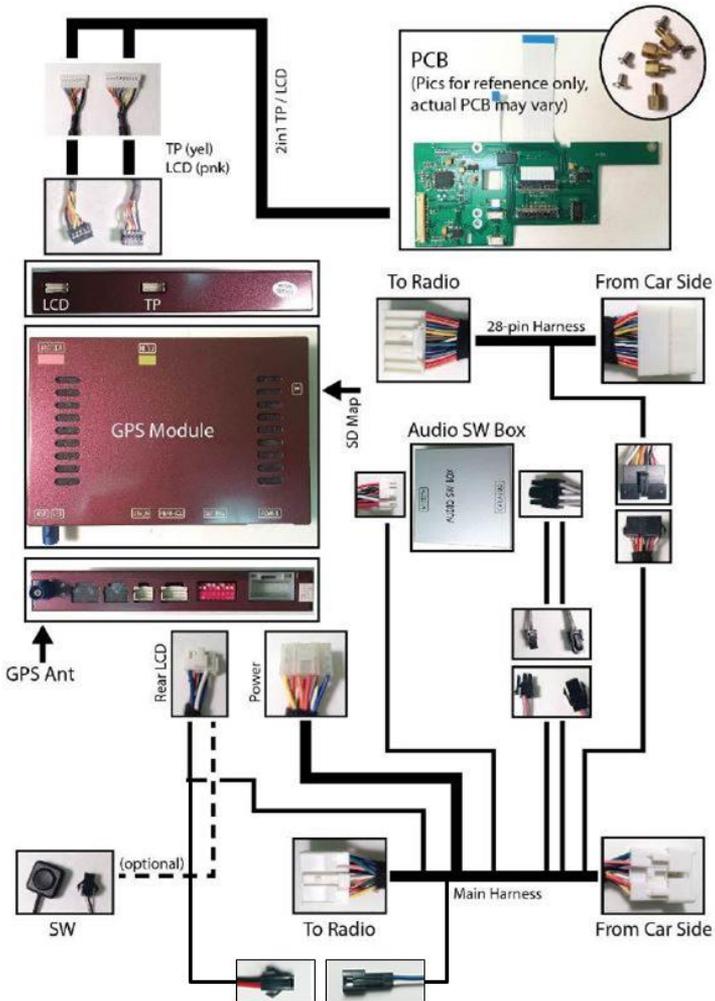


Connect factory ribbon cables to the PCB as shown above and secure the board with supplied studs and screws

- A + B Connect the 2in1 cable to the socket with METAL pin facing up and route cable to the left bottom as indicated
- C Connect the factory ribbon cables to PCB. Align properly ensure fully seated inside of sockets
- D Factory connecting ribbon cable to radio chassis should be routed under the PCB as shown



2in1 cable should exit the radio as shown. There is a small gap for it. Be carefully not to interfere with the screw hole as it might damage the cable when put screw back in.



Refer to previous page for system wiring connections

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

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)

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