

Preparation

Part Number: Mounting Kit PT296-47120

**NOTE:** Part number of this accessory may not be the same as the part number shown.

**Extension Assembly Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Extension Box (w/BT wire harness)

**General Applicability**

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**Recommended Sequence of Application**

Item #	Accessory

\*Mandatory

**Mounting Kit Contents**

Item #	Quantity Reqd.	Description
2	4	M8 Screws
3	1	Wire harness, Jumper Cable

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Reqd.	Description


**Hardware Bag Contents – 1**


Item #	Quantity Reqd.	Description
1	4	Screws (M8)


**Additional Items Required For Installation**


Item #	Quantity Reqd.	Description
1	1	USB Memory Stick


**Legend**


 **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

 **OPERATOR SAFETY:** Use caution to avoid risk of injury.

 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

 **TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

 **SAFETY TORQUE:** This mark indicates that torque is related to safety.

**Conflicts**

Premium AVN Audio
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**Recommended Tools**

Personal & Vehicle Protection	Notes
Seat Covers	
Floor Protectors	
Special Tools	Notes
Installation Tools	Notes
Ratchet	
Extensions	
Sockets	8 mm,10mm
Wrench	10mm
Nylon Made Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Masking Tape	(1-2" wide)
Protective Cloth	
Special Chemicals	Notes
Cleaner	VDC Approved Cleaner

Parts Description of Radio Extension Box



— 1

Item #	Parts Name	Parts No.	Qty
1	Extension Box	86100-YY050	1

Parts Description of Mounting Kit



— 1



— 2

Item #	Parts Name	Qty
1	Jumper Cable	1
2	M8 Screws	4

## Procedure

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Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

## NOTES



Removed Parts: -

Place all removed parts on a protected surface.



Connectors: -

When disconnecting connectors, do not pull on the wires; pull on the connector



Machine Screws: -

Start all machine screws by hand.



Fig. 2-1

## Vehicle Protection.

(a) Remove rear floor cover



(1) Protect the bumper before starting.

## 2. Vehicle Disassembly

(a) Remove rear deck board. Fig. 2-1

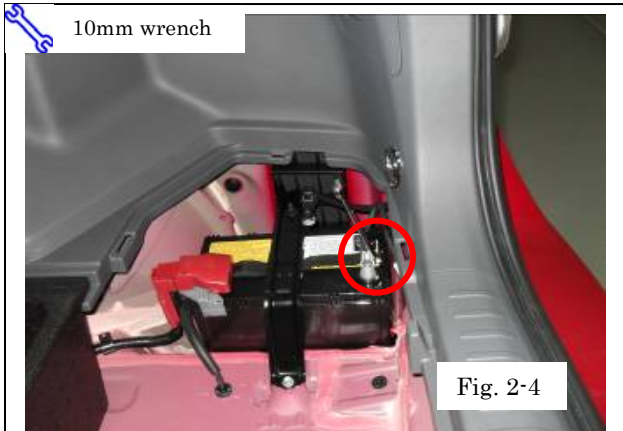
Procedure



(b) Remove floor tray. Fig. 2-2



(c) Remove small tray rear passenger-side covering battery. Fig. 2-3



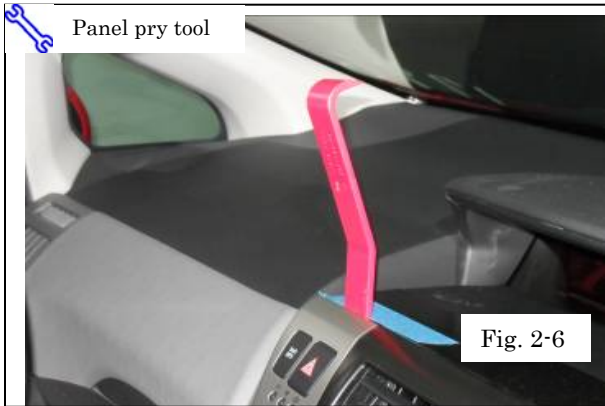
(d) Disconnect negative battery cable using 10mm wrench (do not touch positive terminal with any tool when removing cable). Fig. 2-4



(e) Open upper and lower glove box.

(f) Pullout upper storage compartment with hands only (no tools needed.) Fig. 2-5

Procedure



(g) Place protective tape on dash.

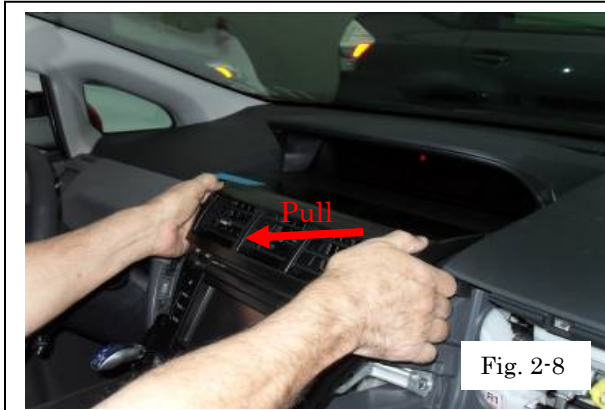


(h) Insert pry tool and slowly open top. Fig 2-6

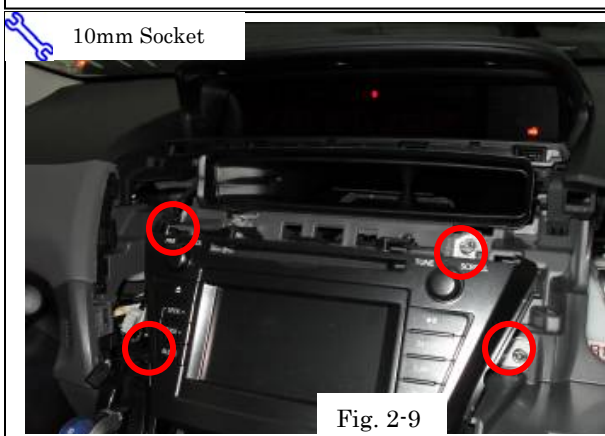


(i) Remove bottom of ignition panel with hands (pry tool not needed). Fig. 2-7

(j) Unplug electrical connections.



(k) Remove air conditioning/vent cover by hand pulling rearwards. Fig. 2-8



(l) Remove (4) 10mm hex screws attaching radio. Fig. 2.9

## Procedure



(m) Cover lower AC cover control panel with a protective cloth.

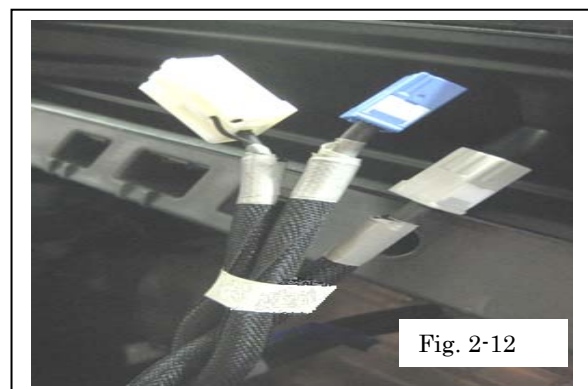
(n) Remove Display Audio radio.

Fig. 2-10



(o) Disconnect connections at back of radio.

Fig. 2-11

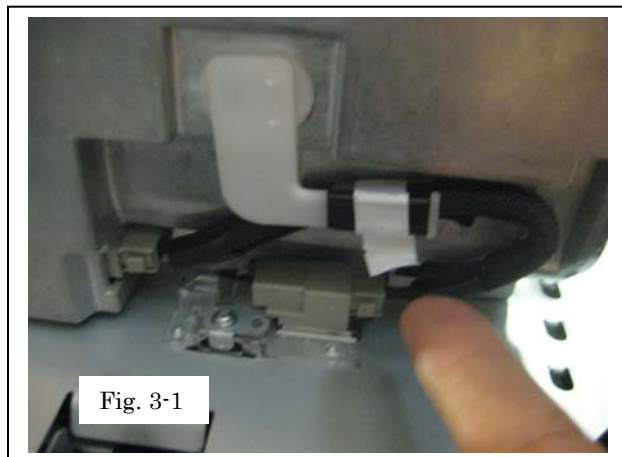


(p) Remove white tape from Bluetooth/USB harness.

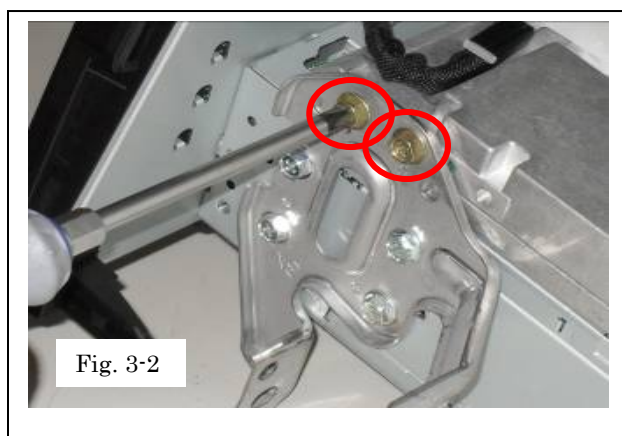
Fig. 2-12

Fig. 2-12

## Procedure

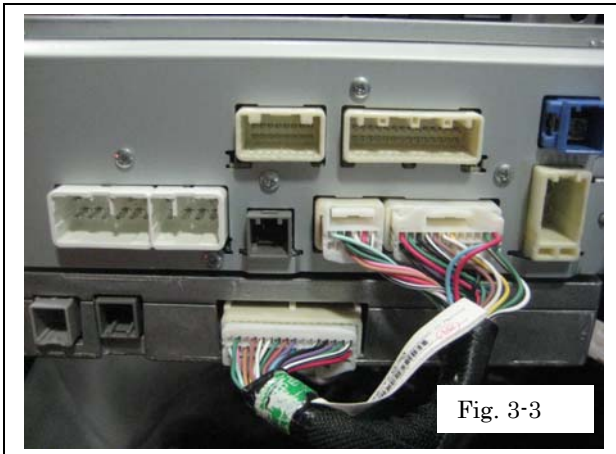
**3. Installing Extension Box**

- (a) Remove break-away tape from Bluetooth/USB on Extension Box cable.
- (b) Plug Bluetooth connector from Extension box into radio. Fig. 3-1

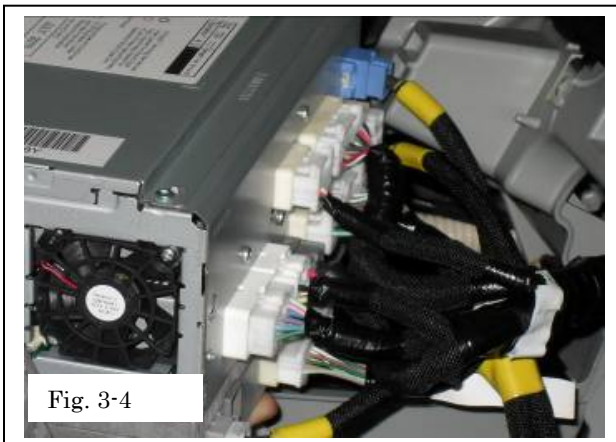


- (c) Install (4) Extension Box mounting screws (2-on each side). Fig. 3-2

## Procedure



- (d) Attach jumper cable (Included in Extension Box kit). Fig. 3-3



- (e) Locate the GPS antenna connector.  
Reconnect all cables, including new Bluetooth and jumper cable on Extension Box and GPS connector. Fig. 3-4



Procedure



Fig. 4-1

4. Re-install Display Audio Radio & Function Check

- (a) Reconnect battery, torque to 48 inch/lbs and conduct in-process functional check.
- (b) Press the Setup button on the faceplate. Fig. 4-1

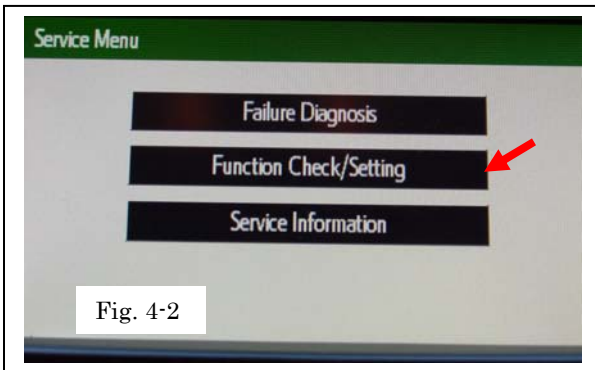


Fig. 4-2

- (c) Diagnostic Mode Checks
- (d) Press CAR button, hold, and cycle lights three times. Fig. 4-1

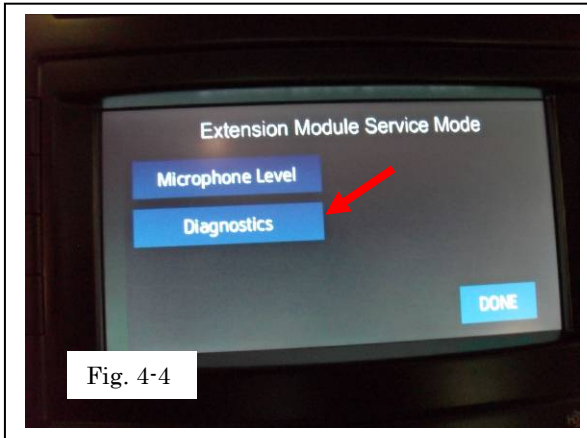
- (e) Touch Function Check/Setting. Fig. 4-2



Fig. 4-3

- (f) Touch Ext Box. Fig. 4-3

## Procedure



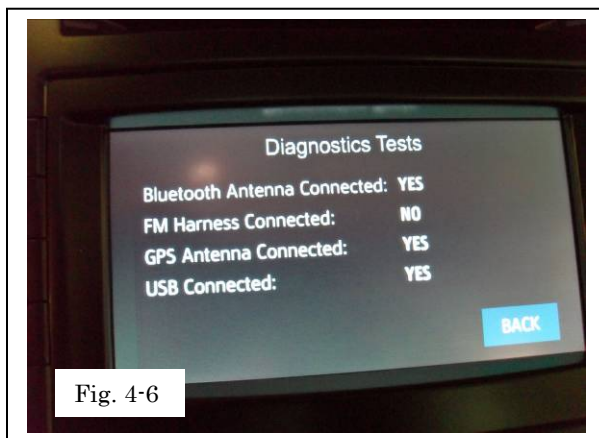
(g) Touch Diagnostics. Fig. 4-4



(h) Plug USB device into vehicle. Fig. 4-5

(i) Confirm Diagnostics Test results. Fig. 4-6

- Bluetooth Antenna Connected: Yes
- FM Harness Connected: No
- GPS Antenna Connected: Yes
- USB Connected: Yes



Procedure

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- (j) Exit diagnostics mode by holding down the **SETUP** button
  
- (k) Function check AM, FM, XM, APPS, CAR, MAP, Km/h-MPH, Hazard Warning Light (note: “FM Harness Connected” will read “No”)

Procedure

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Vehicle Functional Check

- |                          |                         |   |
|--------------------------|-------------------------|---|
| <input type="checkbox"/> | AM Radio                | AM Radio Signal/Change Stations           |
| <input type="checkbox"/> | FM Radio                | FM Radio Signal/Change Stations           |
| <input type="checkbox"/> | XM Radio                | XM Radio Signal/Change Stations           |
| <input type="checkbox"/> | Steering Wheel Controls | All Steering Wheel Controls<br>Functional |
| <input type="checkbox"/> | Backup Camera           | Backup Camera Functional                  |
| <input type="checkbox"/> | APPs                    | Applications Displayed/Functional         |
| <input type="checkbox"/> | CAR                     | CAR Button Functional                     |
| <input type="checkbox"/> | MAP                     | MAP Button Functional                     |
| <input type="checkbox"/> | Km/h-MPH                | Km/h-MPH Settings Change                  |
| <input type="checkbox"/> | Hazard Warning Lights   | Hazard Lights Function                    |