Part Number:00016-00076
Code: RX30

TOYOTA
Southeast Toyota Distributors, LLC

Conflicts

1. Entune
2. Vehicle's with factory XM radio

Kit Contents

Item #	Qty	Description
1	1	XM Module
2	1	XM Tuner Module
3	1	Wiring Harness
4	1	Hardware Bag
5	1	XM Antenna

Hardware Bag Contents

Item #	Qty Reqd.	Description
1	20	8" Black Cable Ties
2	2	Long Cable Ties
3	1	Foam Pad Sheet
4	1	Open Cell Foam Pad
5	1	Double Side Mounting Tape

Recommended Tools

Safety Tools	
Special Tools	
Installation Tools	
Phillips Screwdriver	Straight-Slot Screwdriver
Ratchet w/ Extension	10 mm Socket
Diagonal Wire Cutters	Common Pliers
Flashlight	Nylon Trim Tool
Torque Wrench (48 in. lbs.)	
Special Chemicals	
VDC Approved Cleaner	

Vehicle Service Parts (May be required for reassembly)

Part Number	Qty	Description
00016-00076-01	1	XM Module
00016-00076-02	1	Hardware Bag
00016-00076-03	1	XM Antenna
00016-00076-04	1	Wiring Harness
00016-00076-05	1	XM Tuner Module

General Applicability

1. Display Audio Radios (w/o APPS button)
2. Base model radios

Legend

STOP	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.
!	CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation.
	TOOLS AND EQUIPMENT: This calls out the specific tools and equipment required for this process.
	REVISION MARK: This mark highlights a change in installation with respect to a previous issue.
S	SAFETY TORQUE: This mark indicates that torque is related to safety.

SPECIAL NOTE:
After **TMS** and **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality. When possible, install T-Taps 1" away from connector.

INSTALLATION PREPARATION

Before starting installation:

1. Familiarize yourself with the installation instructions.

2. Inspect the kit components (Refer to Kit Contents and Hardware Bag Contents).
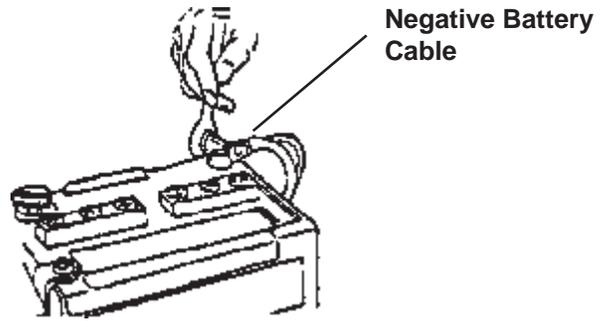
VEHICLE PREPARATION

1. Place protective coverings on vehicle.

⚠ 2. **"IMPORTANT......IMPORTANT"**
   Disconnect Negative Battery Cable.

3. Using a moulding remover, slightly lift up on the integration control panel assembly. Remove the integration control panel assembly by disengaging the (6) claws.

Negative Battery Cable
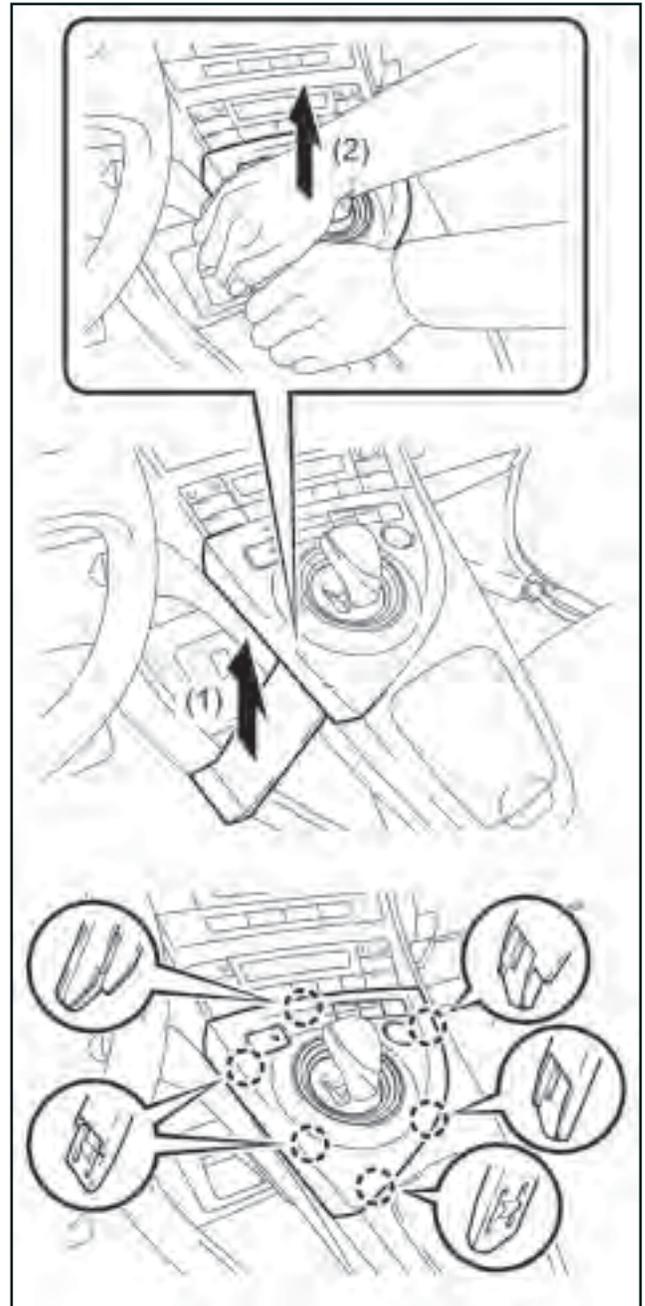
VEHICLE PREPARATION; continued

4. Loosen the lower center instrument cluster finish panel sub-assembly by disengaging the (2) claws and (2) clips.
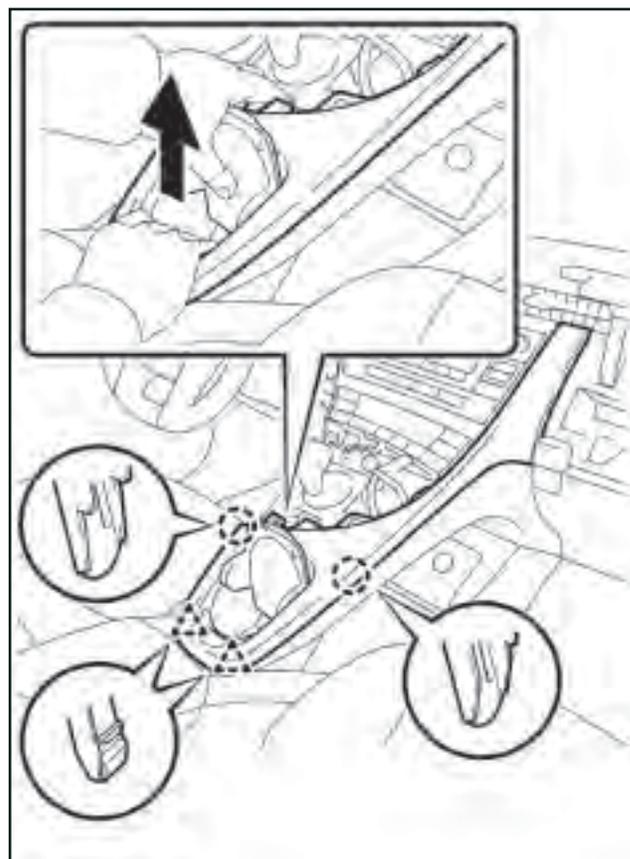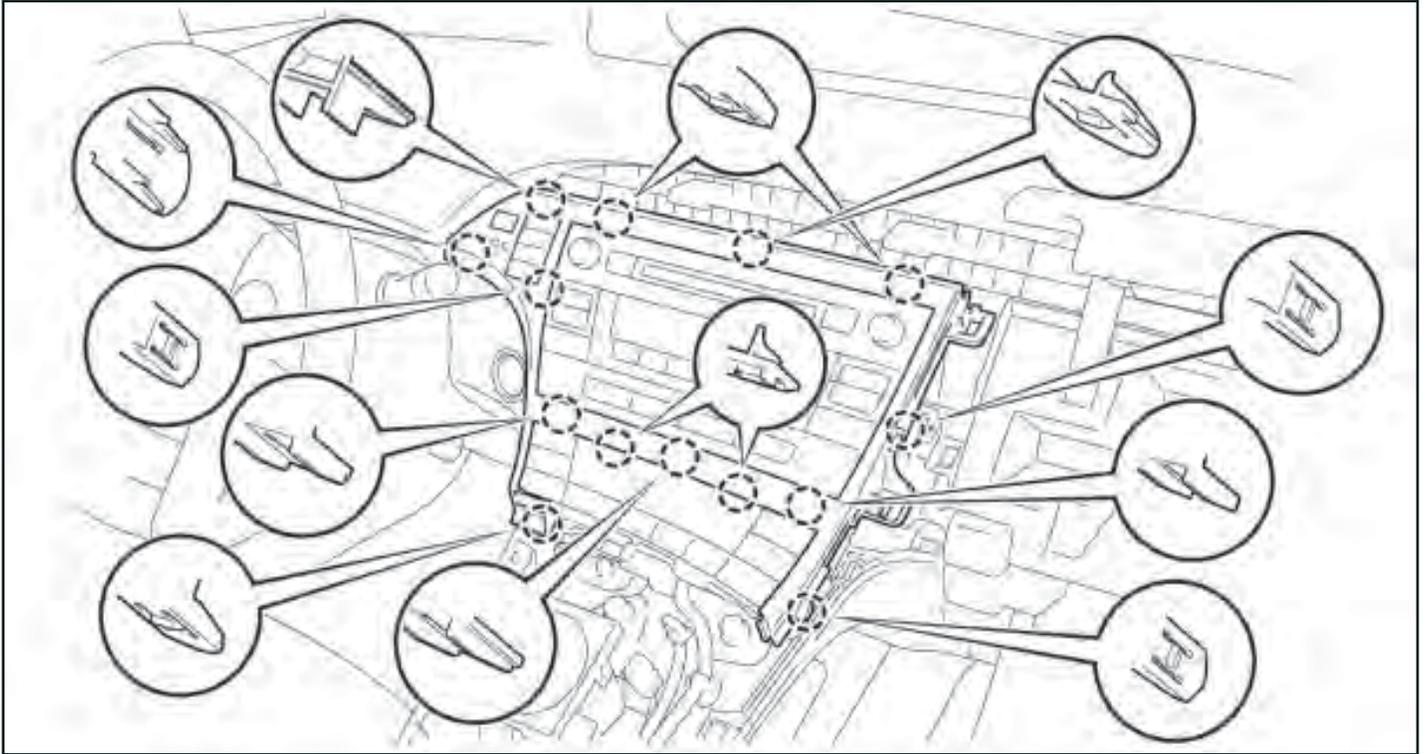

5. Remove the lower center instrument cluster finish panel sub-assembly by pulling in the direction indicated by the arrow to disengage the (5) claws.
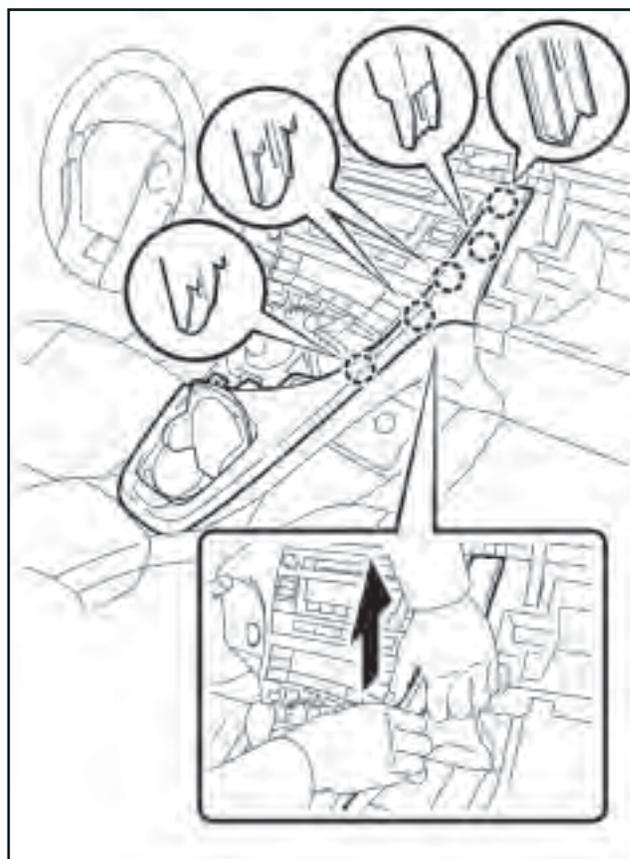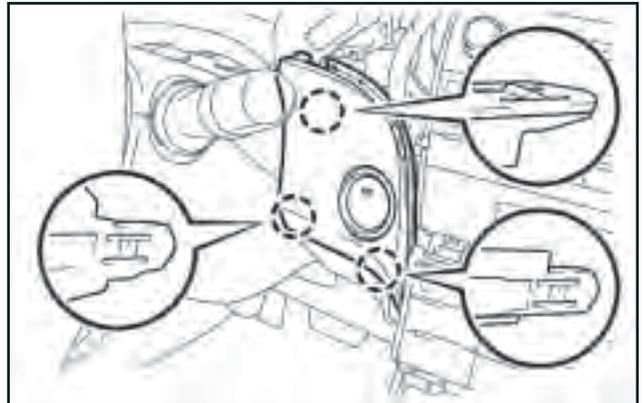
VEHICLE PREPARATION; continued

6. Remove the instrument cluster finish panel
   garnish by disengaging the (14) claws and
   disconnecting any connectors that may be
   attached, if equipped.

7. Remove the upper instrument panel finish
   panel sub-assembly by disengaging the
   (3) claws and disconnecting any connec-
   tors that may be attached, if equipped.
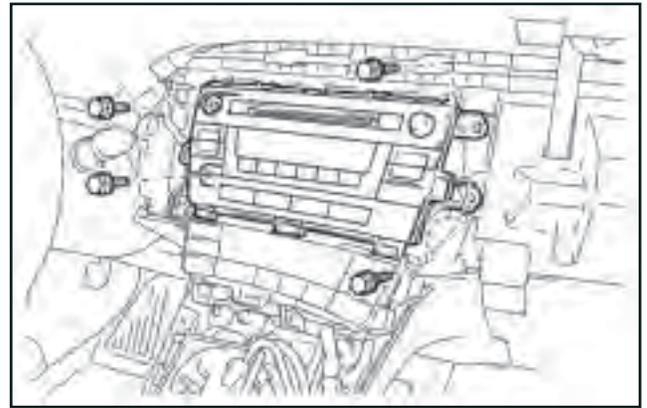
VEHICLE PREPARATION; continued

8. Remove the (4) 10 mm bolts securing the radio to the dash assembly.

9. Disengage the (4) claws securing the radio to the dash assembly. Disconnect any connectors and remove the radio from the vehicle.


10. Remove the glove compartment door as-sembly.

    a. Disengage the claw and release the glove compartment door stopper.

    b. Insert a moulding remover into the location shown in the picture.

    c. Move the moulding remover in the direction indicated by the arrow to bend the lower instrument panel sub-assembly and release the stopper.
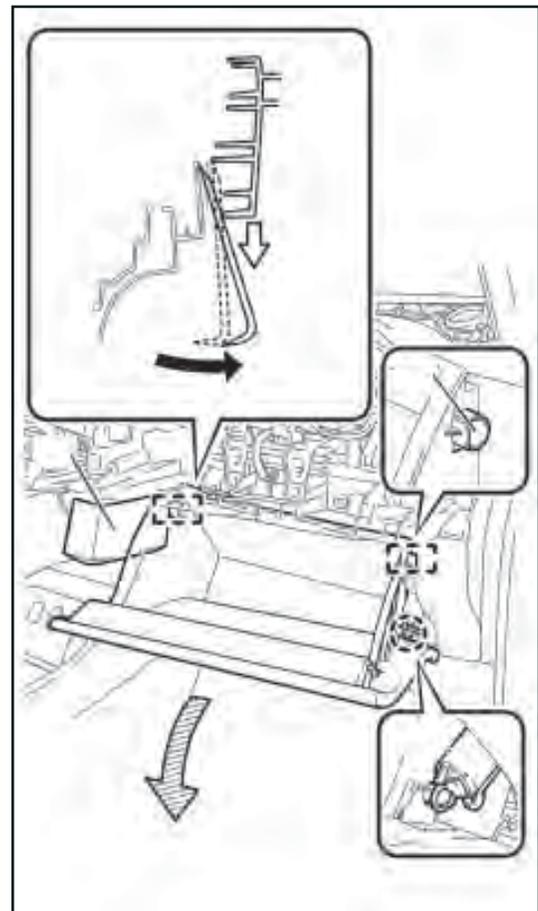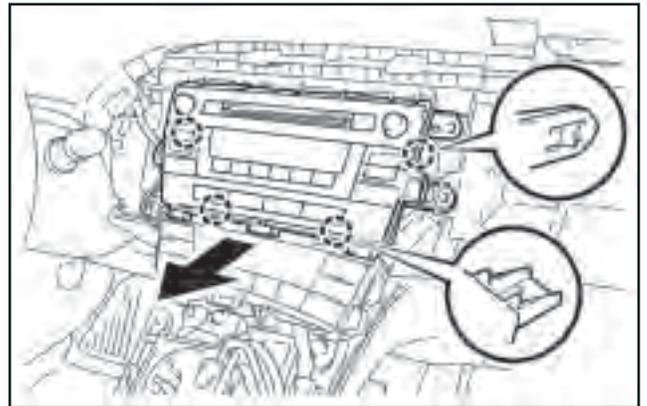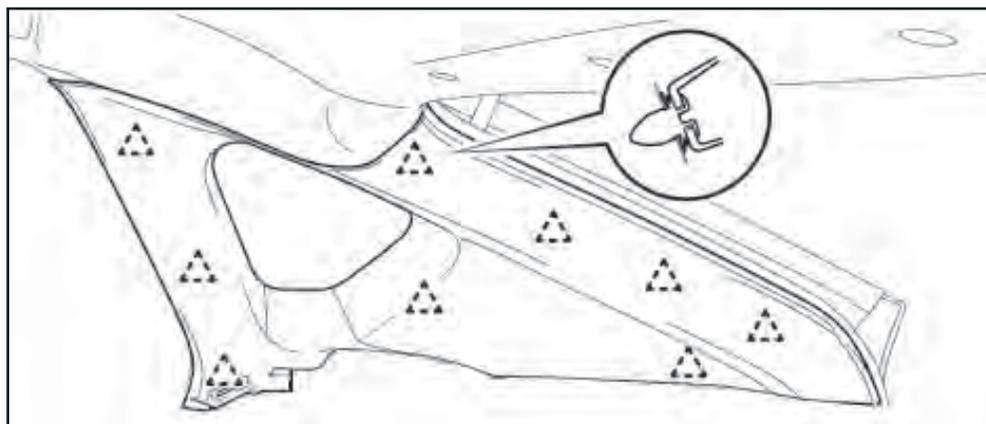
VEHICLE PREPARATION; continued

10. Remove the glove compartment door as-
   sembly; continued.

    d. Open the glove compartment door
       assembly approximately 55° from its
       closed position. Pull it horizontally in
       the direction indicated by the arrow
       to disengage the (2) hinges and
       remove the glove compartment door
       assembly.
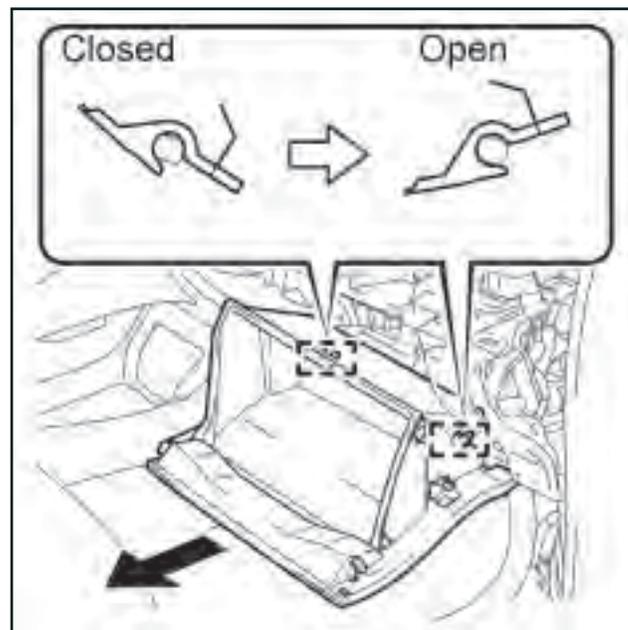
11. Loosen the passenger's roof side inner
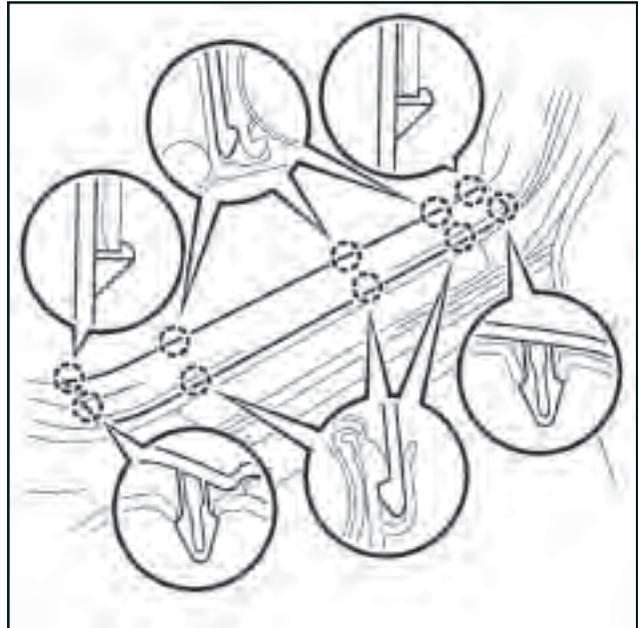   garnish assembly.

12. Remove the passenger's side rear door
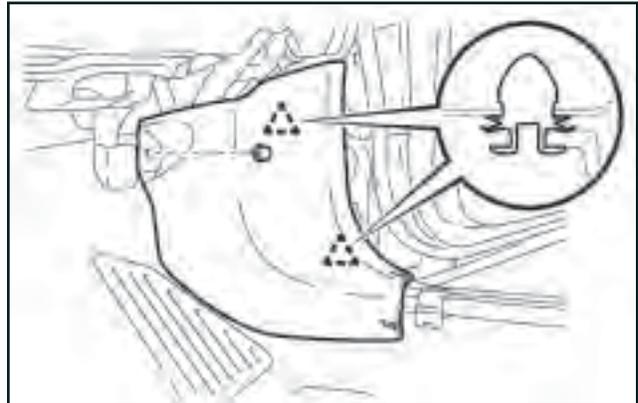   step sill plate, by disengaging the (7)
    claws.
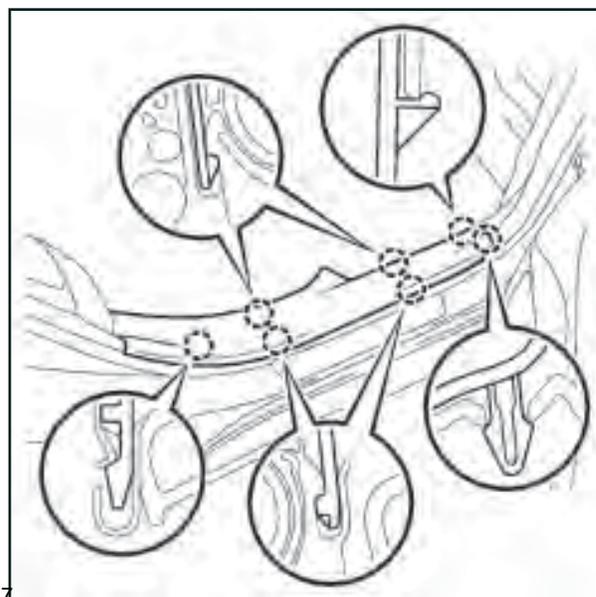
VEHICLE PREPARATION; continued

13. Remove the passengers's side front door step sill plate, by disengaging the (10) claws.

14. Remove the passenger's kick panel, by removing the plastic fastener and disengaging the (2) clips.

INSTALLATION PROCEDURES

1. Clean antenna base and antenna mounting location with VDC approved cleaner.

2. Attach provided double side tape to the underside of the XM antenna. Mount the XM antenna to the vehicle roof, as shown.

Foam Tape

3. Secure the XM antenna cable to the body structure with provided foam tape.

4. Partially remove the rear hatch pinchweld gasket. Route the XM antenna cable over the pinchweld, into the rear passenger compartment.

5. Reinstall the pinchweld gasket.

INSTALLATION PROCEDURES; continued

6. Using a trim tool, route the XM antenna cable behind the passenger's roof side inner garnish assembly.
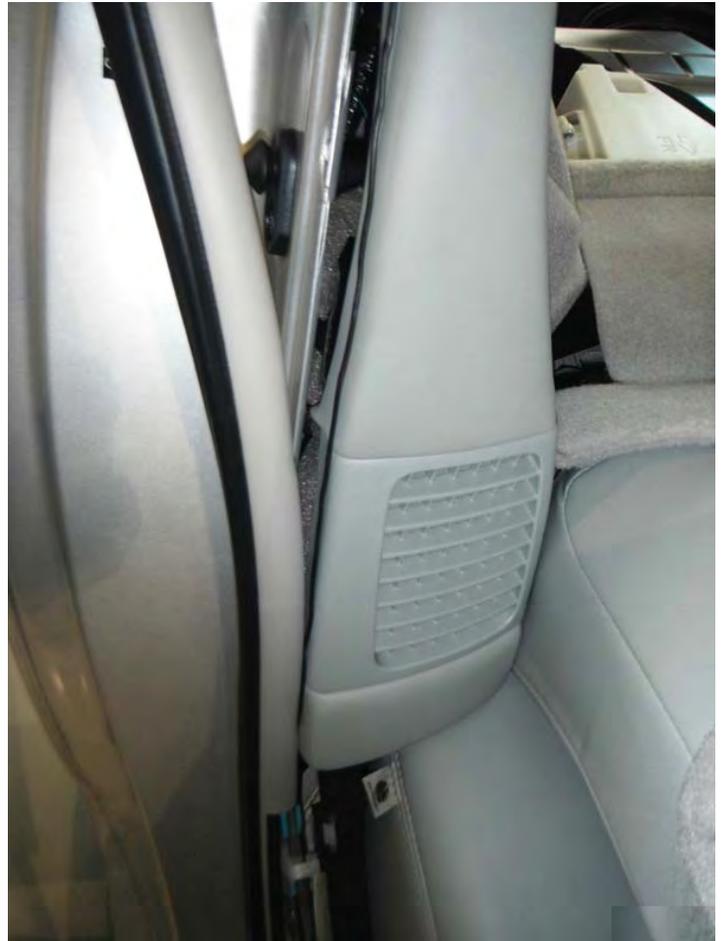

7. Partially remove the passenger's rear door pinchweld gasket.

INSTALLATION PROCEDURES; continued

8. Route the XM antenna cable down to the passenger's rear door step sill area.

9. Reinstall the passenger's rear door pinch-weld gasket.

10. Secure the XM antenna cable in the passenger's rear door step sill area, using the factory wire harness clips.

Factory Clips
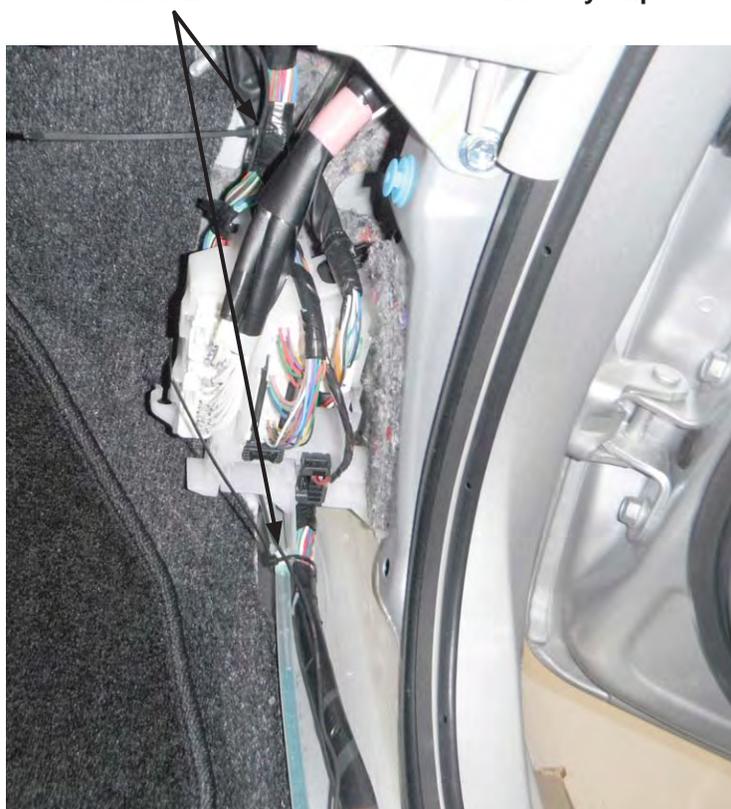
INSTALLATION PROCEDURES; continued

11. Route the XM antenna cable in the passenger's front door step sill area.

12. Secure the XM antenna cable in the passenger's front door step sill area, using the factory wire harness clips.


Cable Ties   **Factory Clips**

13. Route the XM antenna cable in the passenger's kick panel area.

14. Secure the XM antenna cable in the passenger's kick panel area with (2) cable ties.

INSTALLATION PROCEDURES; continued

Cable Ties

15. Route the XM antenna cable to the radio mounting area. Secure to the existing factory harness located behind the glove box with cable ties, as needed.
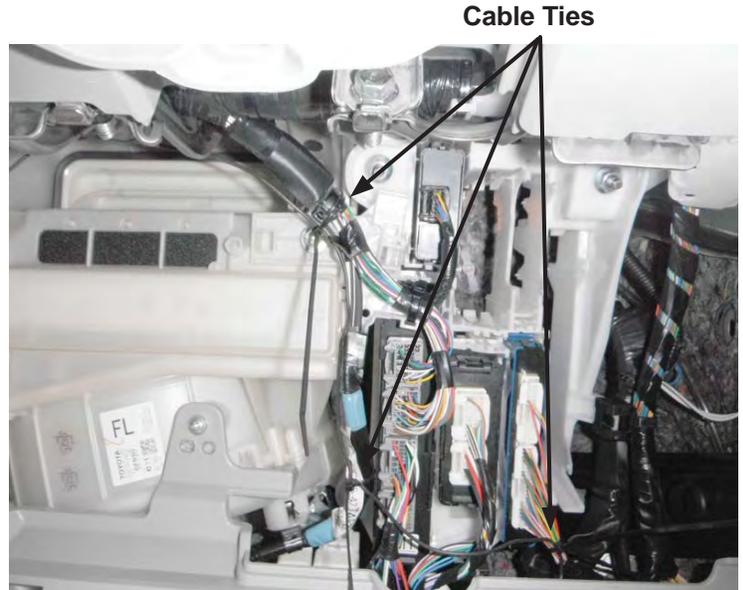
16. Verify the dip switch settings on the XM interface adapter, adjust if necessary.

Dip Switch #	Position	Function
1	On* (Down Position)	*Steering wheel controls.* **On Display (touchscreen) radios, if the dip switch is in the UP position, the steering wheel button will function opposite of what the user wants.**
2	Off* (Up Position)	**Disables scrolling text. This may be desirable on base radios if the text "flashes", or of the customer finds text scrolling distractive.**

* Default Position

Dip Switch #1   Dip Switch #2

17. Using electrical tape, attach the XM interface adapter to the XM tuner module.

18. Attach the XM antenna cable to the XM tuner module.

19. Attach the 9-pin black mini-DIN male connector from the XM tuner module to the 9-pin black mini-DIN female connector from the XM interface adapter.

XM Antenna

XM Interface Adapter

XM Tuner Module

INSTALLATION PROCEDURES; continued

20. Secure the XM interface adapter, XM module and any excess antenna cable/harness to the factory brace located behind the navigation radio's mounting location with (2) cable ties.

21. Reinstall any harnesses that were removed from the rear of the radio during disassembly.

22. Attach the XM interface adapters 12-pin female connector to the radio's 12-pin male connector, located in the rear of the radio.

    Note: Depending on the vehicle model and options, the factory radio may be using the 12-pin plug located on the rear of the radio. In these instances, use the XM interface adapter's "T-Harness", and plug the factory 12-pin female into the XM interface adapter's 12-pin male connector.
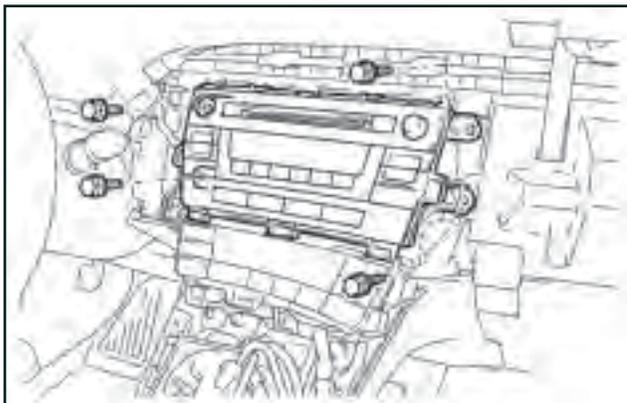
View Before Mounting

Cable Ties

12-Pin Male Connector

WIRING DIAGRAM

XM Antenna

XM Tuner

XM Interface
Adapter
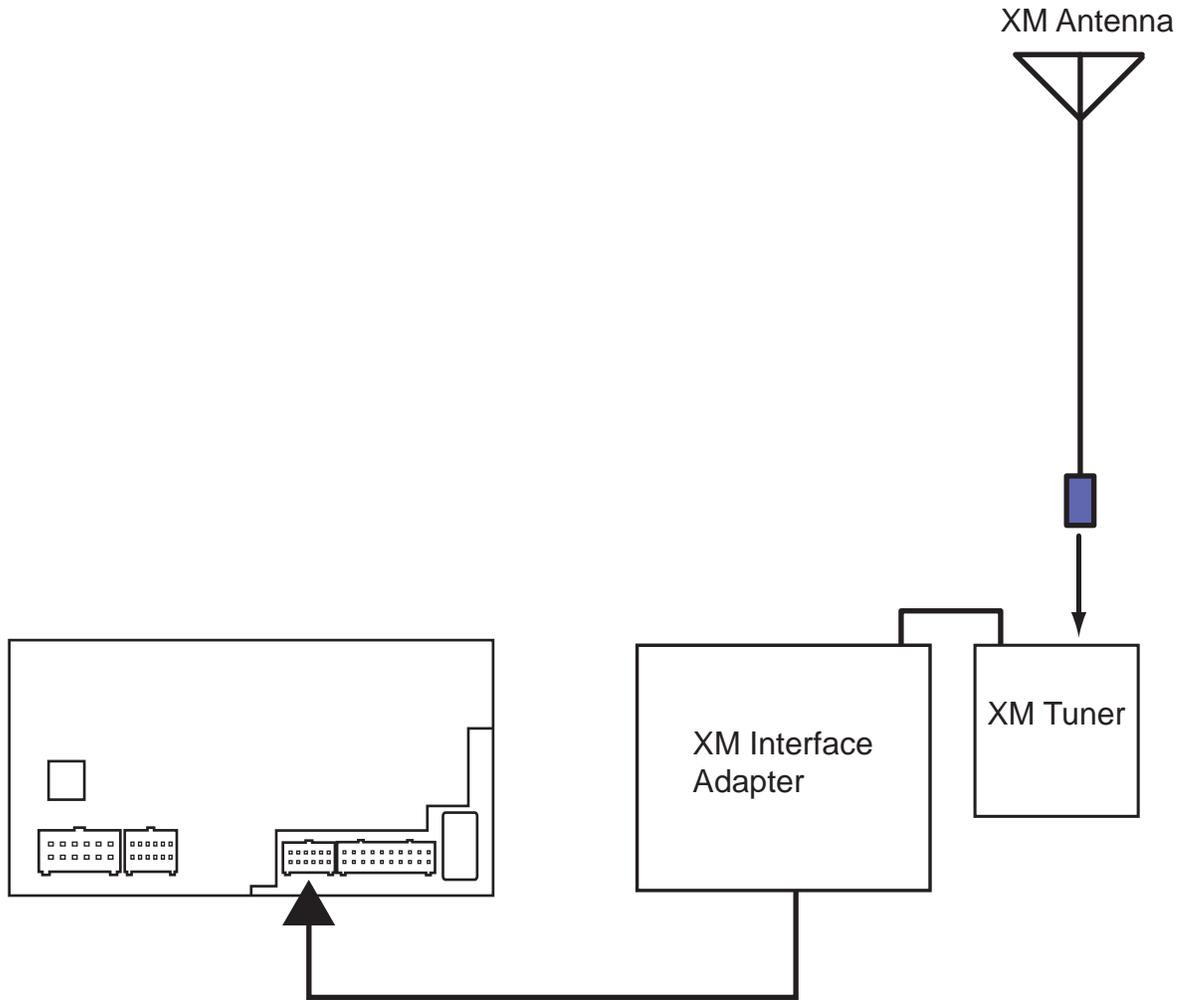
RE-INSTALL THE RADIO

1. Secure the radio to the dash assembly using the (4) 10 mm bolts previously removed.

VEHICLE RE-ASSEMBLY

1. Refer again to the vehicle repair manual and re-assemble all panels that were removed for installation back onto the vehicle.

2. Re-connect the negative battery cable. Torque to 48 in. lbs.

Negative Battery Cable
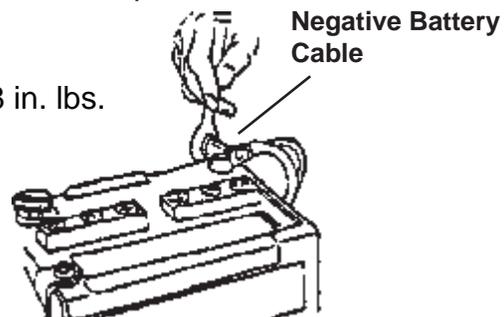
TESTING THE XM RADIO

1. Prior to delivering the vehicle, test all features of the factory system according to the vehicle's owner's manual.

XM RADIO FUNCTION CHECKLIST

THESE FUNCTIONS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

- ☐ **Power-Up**
- ☐ **HD radio**
- ☐ **CD Audio**
- ☐ **Fade/Balance**
- ☐ **DVD Movie**
- ☐ **XM Radio**
- ☐ **iPod**
- ☐ **Bluetooth Test**
- ☐ **Navigation Test**
- ☐ **AV1**
- ☐ **AV2 (Media Hub)**
- ☐ **SD Card (MP3)**
- ☐ **USB Drive (MP3)**
- ☐ **Rear Camera (If equipped)**
- ☐ **SWC (Steering Wheel Control)**
- ☐ **Parking Lights**
- ☐ **Rear Monitors (If equipped)**
- ☐ **Factory Default Test**
- ☐ **Faceplate Visual Inspection**

Note: Be sure to place owner's manual in the glove box after the function check.

VEHICLE FUNCTION CHECKLIST
(These points must be checked to ensure a quality installation)

☐ **Headlight**
If the warning lights remains on, it may indicate a system malfunction.

☐ **High Beams**

☐ **Turn Signal Lights**

☐ **Tail Lights**

☐ **Stop Lights**

☐ **Backup Lights**

☐ **Hazard Lights**

☐ **Marker Lights**

☐ **Dome/Courtesy Lights**

☐ **Panel/Switch Illumination**

☐ **Accessory Controls/Illumination** (If equipped)

☐ **Rear Window Defogger** (If equipped)

☐ **Key Sensor Buzzer**

☐ **Fog Lights** (If equipped)

☐ **Day Time Running Lights** (If equipped)

☐ **Trunk/Tailgate/Bed Lights** (If equipped)

☐ **Glove Box Light** (If equipped)

☐ **ABS Light** (If equipped)

☐ **Rear Wiper/Washer** (If equipped)

☐ **Clock** (If equipped)

☐ **Accessory Power Socket** (If equipped)

☐ **Starter**

☐ **Audio/Video** (If equipped)

☐ **Power Rear Door** (If equipped)

☐ **Convenience Memory Settings** (If equipped)

☐ **Heated Seats** (If equipped)

☐ **Massage Seats** (if equipped)

☐ **Power Side Mirrors** (if equipped)

☐ **Side Mirror Defogger** (if equipped)

☐ **Front Windshield Defogger** (if equipped)

☐ **Navigation System** (if equipped)

☐ **Rear Sunshade** (if equipped)

☐ **Cruise Control Light** (if equipped)

☐ **Steering Wheel Audio Control** (if equipped)

☐ **HVAC**

☐ **Power Locks** (if equipped)

☐ **Power Windows** (if equipped)

☐ **Gauges**

☐ **Front Wiper/washer**

☐ **Hood Latch Release**

☐ **Passenger Air Bag Switch** (if equipped)

☐ **Rollover Side Curtain Air Bag Switch (RSCA)**

☐ **Horn**

☐ **Seat Belt Warning Light**
If the warning lights remains on, it may indicate a system malfunction.

☐ **Air Bag Warning Light**
If the warning lights remains on, it may indicate a system malfunction.

☐ **Lamp Failure Sensor**
If the warning lights remains on, it may indicate a system malfunction.

☐ **Track/Skid Control Light** (if equipped)
If the warning lights remains on, it may indicate a system malfunction.

☐ **Tire Pressure Monitoring System (TPMS)**
Prior to TPMS activation and Pre-Delivery Service (PDS) of the vehicle the TPMS light will blink when IG is turned on.