

# MasterSheet

053 0079  
Revision 10/29/13



Complete Car Audio  
Installation Instructions

**CRUTCHFIELD®**

## IMPORTANT

Before starting, compare items on your invoice with items received. Carefully check through packaging material. If any item is missing, please call **Crutchfield Technical Support** at **1-800-955-9094**.

Although reasonable attempts are made to verify the accuracy of the information contained in this MasterSheet, it is presented without warranties or guarantees of any type due to the constantly changing nature of this type of information and running changes in vehicle production. Any person or entity using this information does so at his or its own risk. If you find our instructions are different from your vehicle, or if you have questions, do not continue with your installation. Contact our toll-free technical support for assistance.

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## Tools Required ▶

Phillips Screwdriver	Small Flat Blade Screwdriver	10mm Socket, Ratchet & Extension	14mm	1/4"	Panel Tool	Torx T20 Driver	Wire Stripper & Crimp Caps	Drill & 1/8" Bit

\* If you need additional wiring information, visit us online at [www.crutchfield.com/support/faq.html](http://www.crutchfield.com/support/faq.html)

**Note:** At this time, no aftermarket antenna is available from Crutchfield. A replacement antenna may be purchased from a Toyota dealership.

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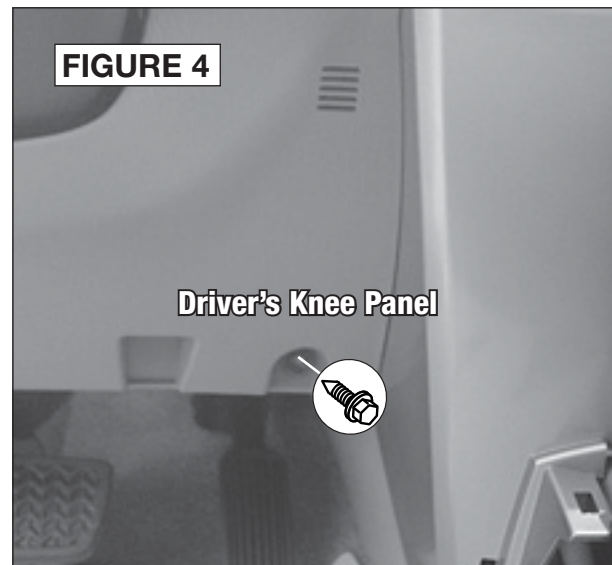
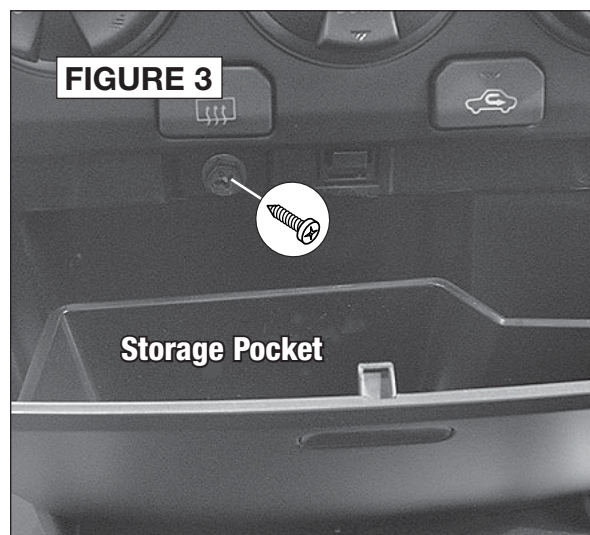
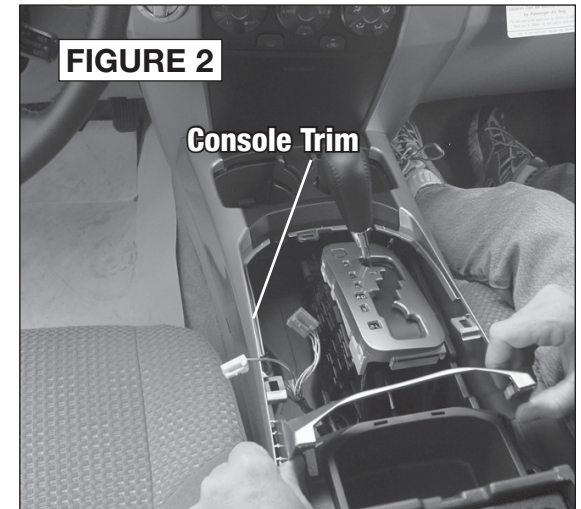
2003-'09  
Toyota  
4Runner

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# Factory Radio Removal

1. Before proceeding, eject disc(s) from factory unit if present.
2. Set parking brake and disconnect negative battery cable to prevent any electrical short.
3. Open console compartment door. Pry up **gear shift trimpanel**. Disconnect wiring harnesses to remove (Figure 1).
4. Carefully pry up **console trim** to remove (Figure 2).
5. Open **storage pocket door**. Remove one (1) exposed phillips screw (Figure 3).
6. Remove two (2) 10mm bolts from bottom edge of driver's knee panel (Figures 4 & 5).

*Continued on the next page.*



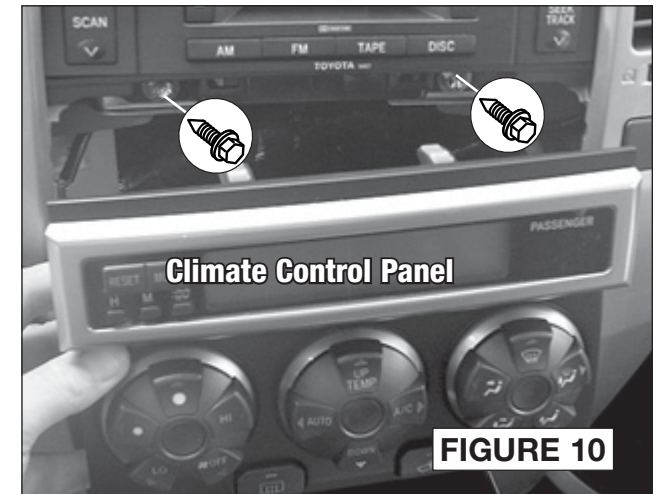
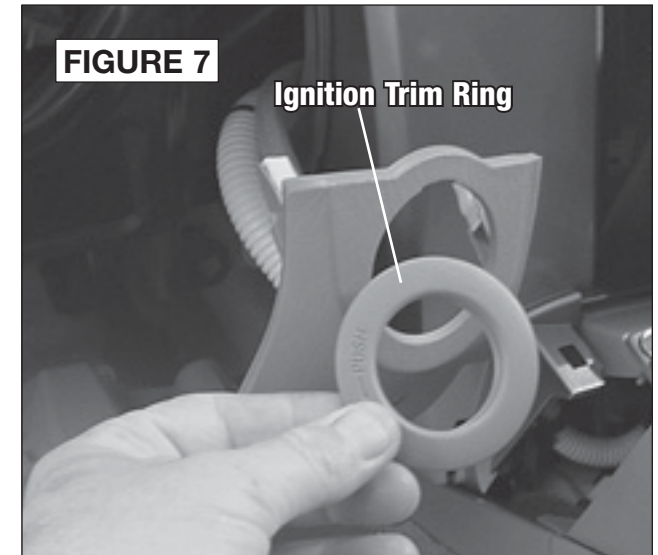
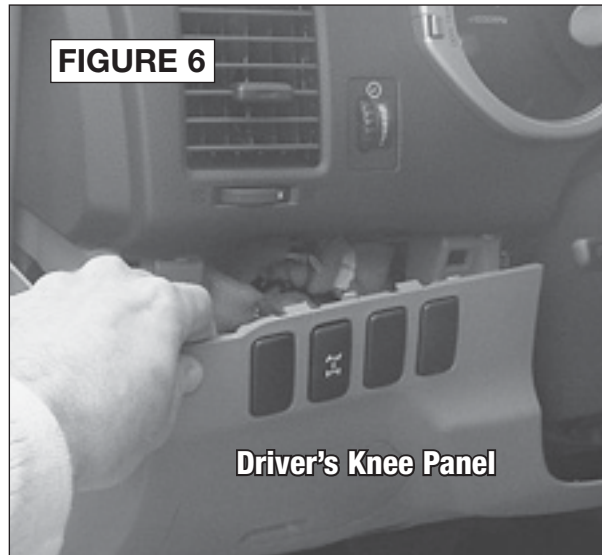
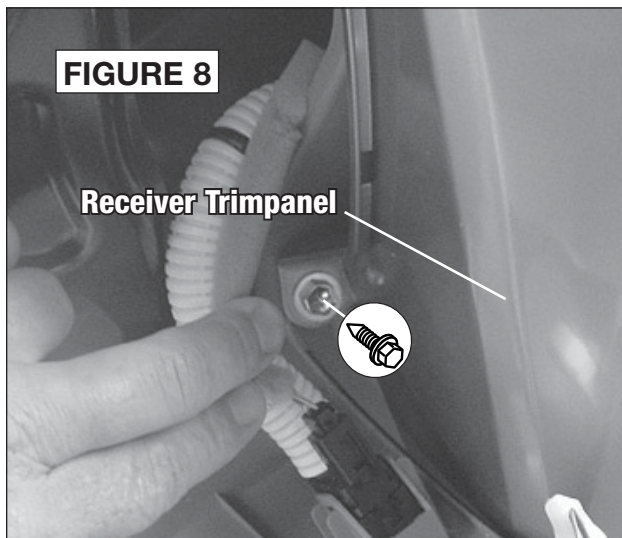
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# Factory Radio Removal (continued)

7. Pry out top edge of driver's knee panel to release clips. **Note:** Ignition trim ring will pop off while prying. Allow panel to hang (Figures 6 & 7).
8. *If equipped with Standard Package:* Remove one (1) 10mm screw from lower left side of receiver trimpanel (Figure 8).
9. *If equipped with Urban Runner Package:* Pry off receiver trim ring to release clips and remove (Figure 9).
10. Pry out climate control panel and remove two (2) exposed 10mm screws (Figure 10).

*Continued on the next page.*

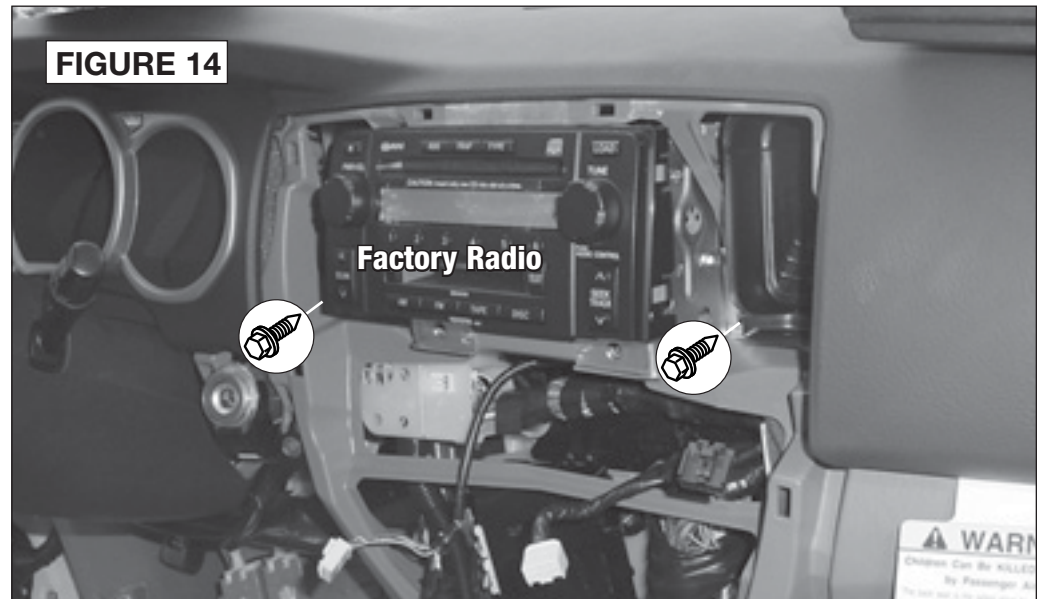
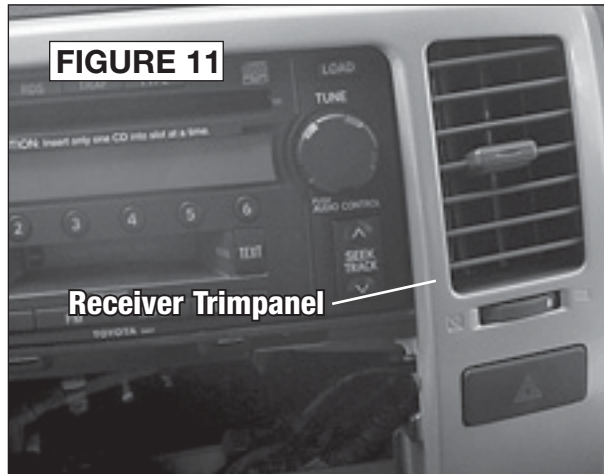




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## Factory Radio Removal (continued)

11. Pry around all edges of receiver trimpanel to release clips. Work out from console and disconnect harnesses to remove (Figures 11, 12 & 13).
12. Remove two (2) 10mm screws from bracket securing factory radio. Pull out radio, disconnect and remove (Figure 14).



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# Receiver Installation

A Standard DIN unit is shown. A Double-DIN receiver may also be installed. Follow instructions supplied with the installation kit and steps 4, 5 and 7 below.



## IMPORTANT:

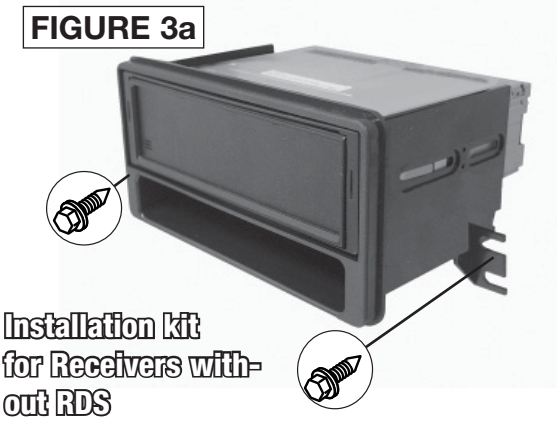
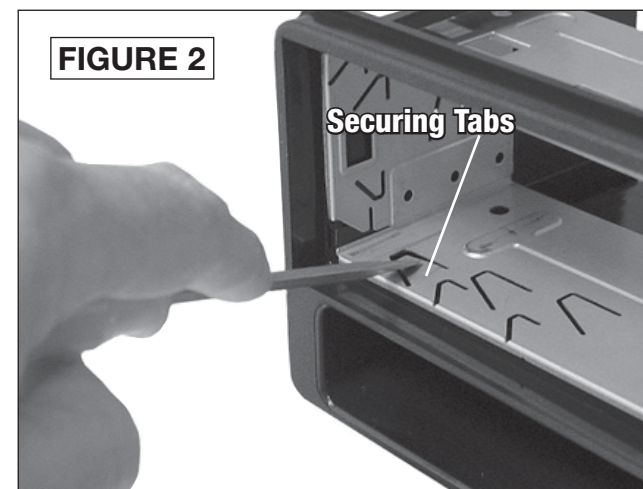
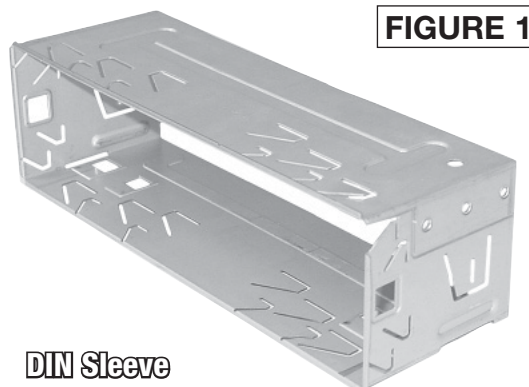
No receiver wiring adaptor is available for vehicles equipped with the Urban Runner package. The wiring for these vehicles is non-standard. Please contact Crutchfield Technical Support for wiring details.

1. Prepare receiver mounting bracket following instructions pertaining to this vehicle supplied with the installation kit.
2. Remove **DIN Sleeve** and trim ring from new receiver (Figure 1). Slide sleeve into opening in mounting bracket. Secure sleeve to bracket by bending the securing tabs (Figure 2).
3. Secure sleeve/bracket assembly to dash with screws previously removed (Figures 3a & 3b).
4. Connect receiver wiring adaptor to receiver following instructions supplied with wiring adaptor.
5. Hold receiver near dash. Plug receiver adaptor harness into factory harness. Connect antenna cable to receiver. Slide receiver into mounting bracket/sleeve assembly or Double DIN assembly into dash.
6. **Standard DIN receiver:** Install DIN trim ring.
7. Reassemble dash by reversing disassembly steps.

## NOTES:

### Please read first

- Inspect factory receiver harness connector in vehicle. Ensure that the wiring adaptor received from Crutchfield plugs into the vehicle's connector. If the connector is missing or incorrect, please call our **Technical Support Department** at **1-800-955-9094**.



## CAUTION:

Make sure wiring harnesses associated with the airbag are connected before turning on ignition switch to test receiver. If not connected, the airbag light will come on and will require a reset at a dealership.



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# Center Dash Speaker

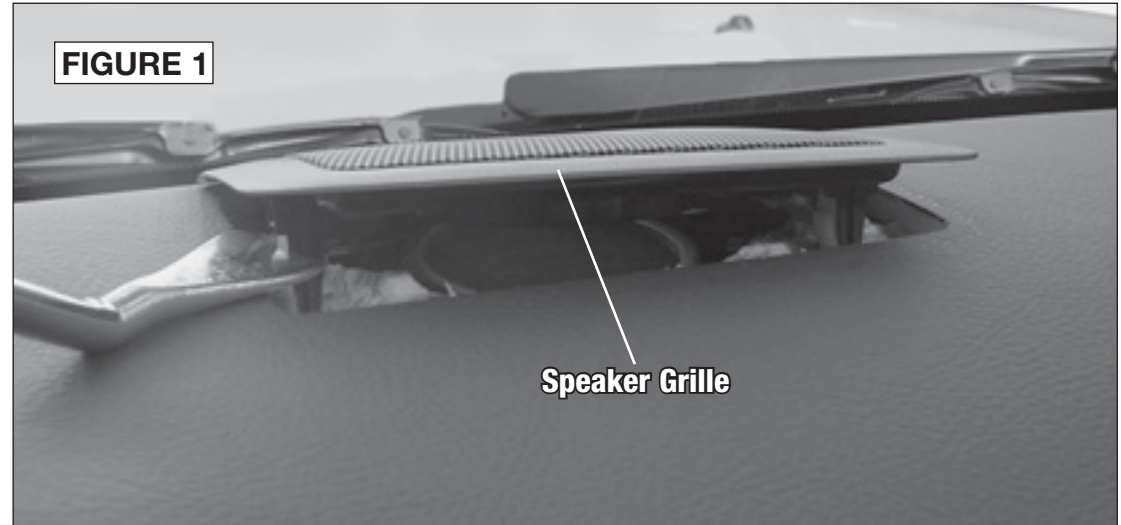
## NOTES:

### *Please read first*

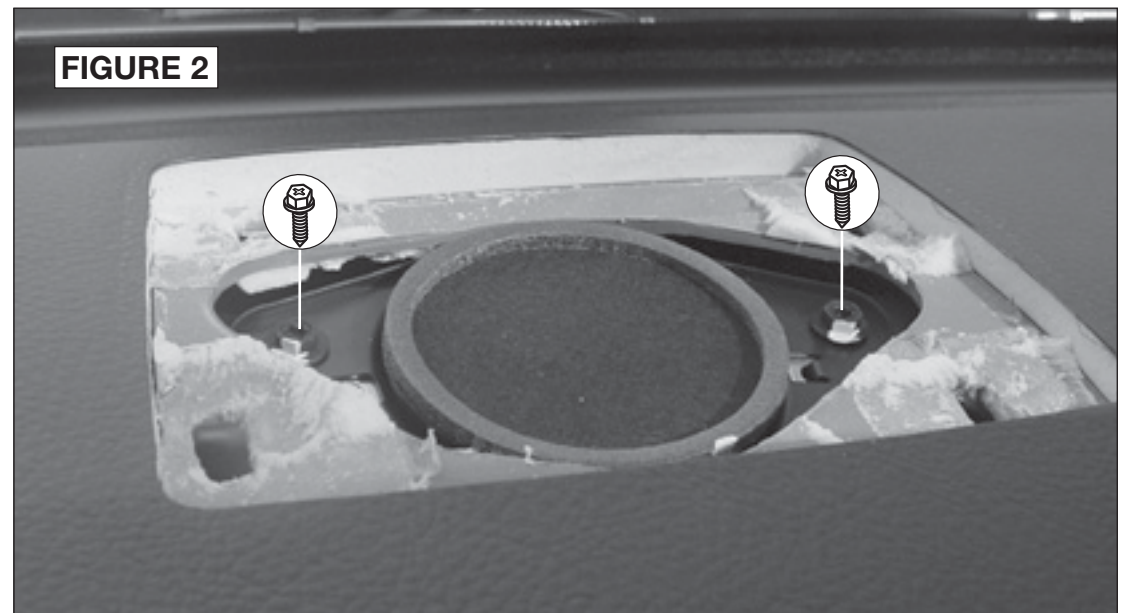
- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

1. Pry up speaker grille at each corner to release and remove (Figure 1).
2. Remove two (2) 1/4" screws securing speaker. Pull out speaker, disconnect and remove (Figure 2).
3. Fabricate a bracket for mounting speaker.
4. Make speaker wiring connections following instructions on page 16. Return to this page to complete installation.
5. Secure speaker/bracket assembly with screws previously removed.
6. Test speaker operation and reinstall speaker grille.

**FIGURE 1**



**FIGURE 2**



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# Front Door Speakers

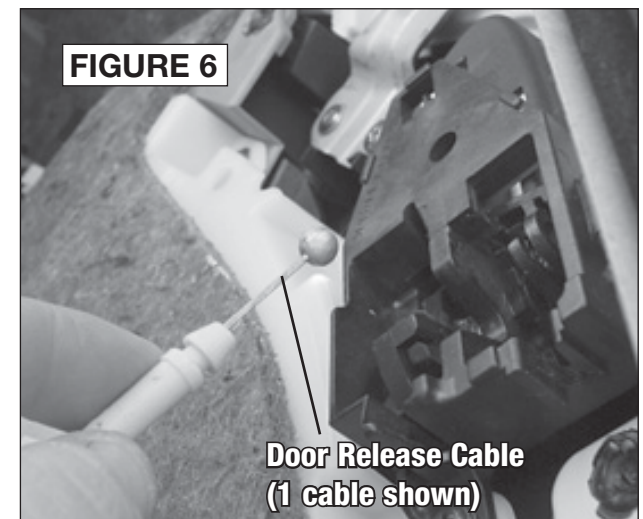
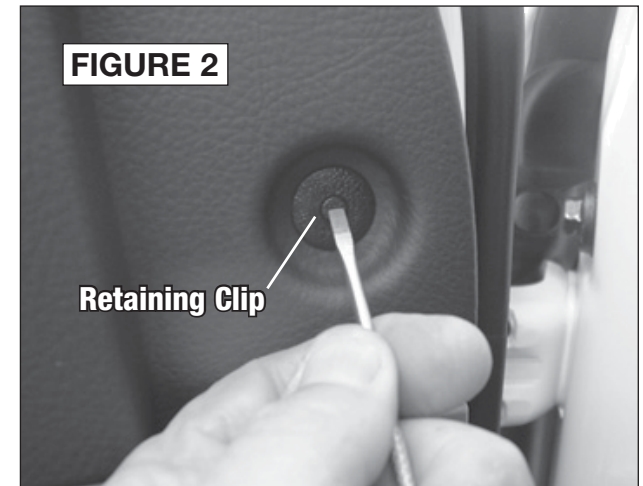
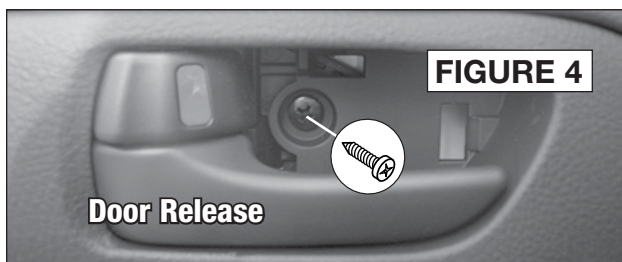
## NOTES:

### *Please read first*

- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

1. Pry off “sail” panel to remove (Figure 1).
2. Remove one (1) retaining clip from front edge of door panel by pressing in center pin, then pulling out clip (Figure 2).
3. Pry out screw cover behind door release handle. Remove one (1) exposed phillips screw (Figures 3 & 4).
4. Pry up armrest pad. Remove one (1) exposed phillips screw (Figure 5).
5. Pry around sides and bottom of door panel to release clips. Hold out enough to disconnect door lock and release cable (Figure 6).

*Continued on the next page.*



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# Front Door Speakers (continued)

6. Disconnect wiring harnesses and remove panel (Figure 7).

7. **If equipped with JBL system:**  
Remove four (4) phillips screws securing lower factory speaker. Pry out speaker, disconnect and remove (Figure 8). Connect speaker wiring adaptor to speaker and secure speaker with screws previously removed.

**If not equipped with JBL system:**

Remove four (4) phillips screws securing speaker/bracket assembly. Pull out assembly, disconnect and remove (Figure 9). Secure speaker to adaptor bracket following instructions supplied with brackets. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker/bracket assembly with hardware supplied.

8. **If replacing tweeter:**  
Remove two (2) 10mm screws from speaker (Figure 10). Pull out speaker, disconnect and remove. A bracket must be fabricated to mount speaker. Make wiring connections following instructions on page 16.
9. Test speaker operation and reinstall door panel by reversing removal steps.

FIGURE 7



FIGURE 8

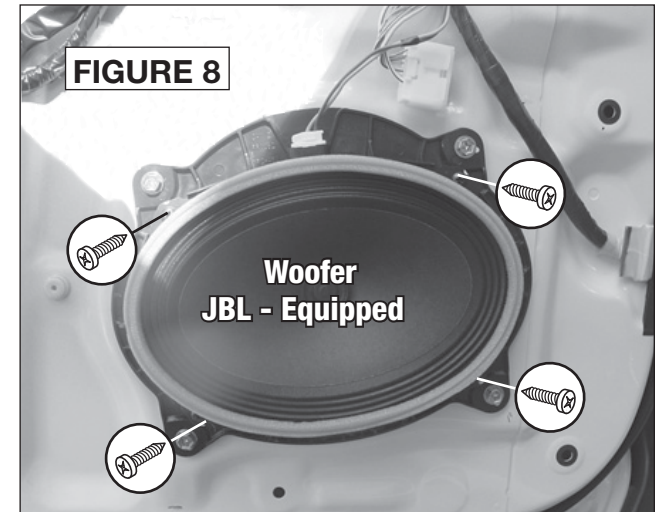


FIGURE 9

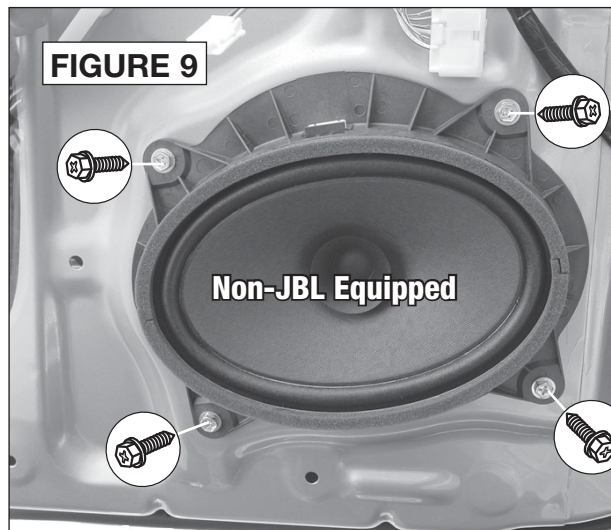
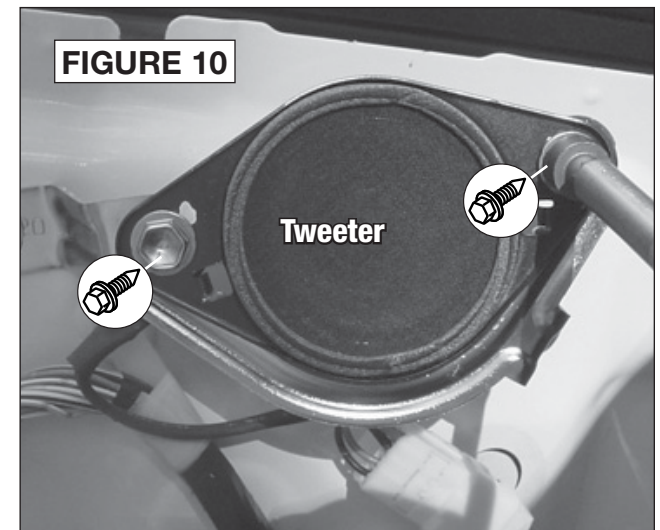


FIGURE 10



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## SAFETY CHECK

- Check that wires do not interfere with window operation.
- Test window, door lock and release operation.



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## Rear Door Speakers

1. Pry out screw cover behind door release. Remove one (1) exposed phillips screw (Figure 1).
2. Pry up armrest pad. Remove one (1) exposed phillips screw (Figure 2).
3. Pry around sides and bottom of door panel to release clips. Hold out enough to disconnect door lock and release cable (Figure 3).

*Continued on the next page.*

### NOTES:

#### *Please read first*

- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

FIGURE 1



FIGURE 2

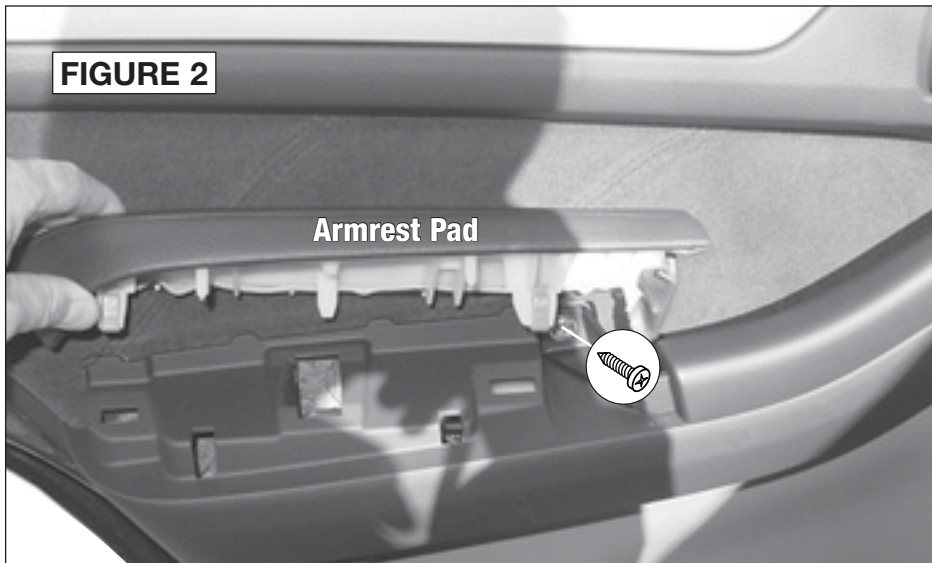
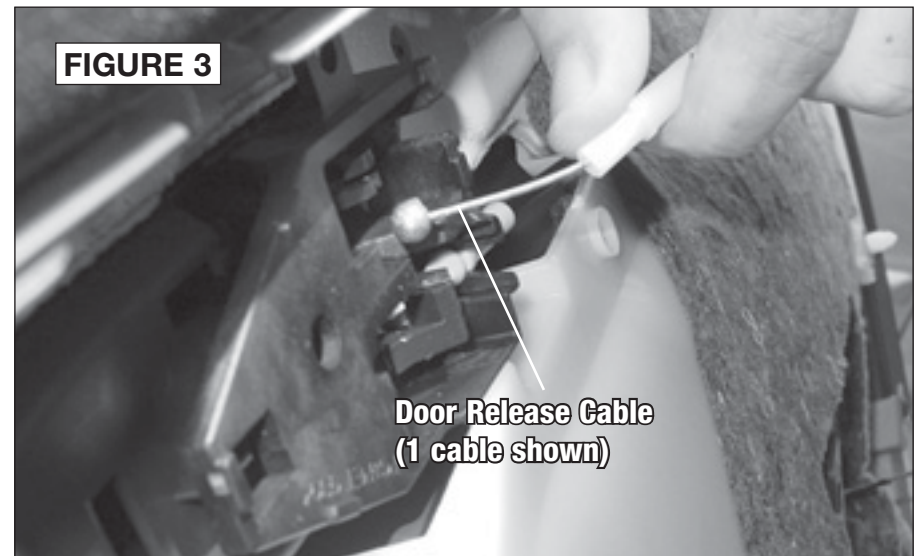


FIGURE 3



## Rear Door Speakers (continued)

4. Disconnect wiring harnesses and remove panel (Figure 4).
5. **Vehicles with or without JBL System:**  
Remove four (4) phillips screws (JBL-equipped) or three (3) phillips screws (w/o JBL) securing lower factory speaker. Pull out speaker, disconnect and remove (Figures 5 & 6).
- 6a. **Vehicles with JBL System:**  
Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker to location with screws previously removed.
- 6b. **Vehicles with Standard Speakers:**  
Secure new speaker to adaptor bracket. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker/bracket assembly to location.
7. Test speaker operation and reinstall door panel by reversing removal steps.



FIGURE 4

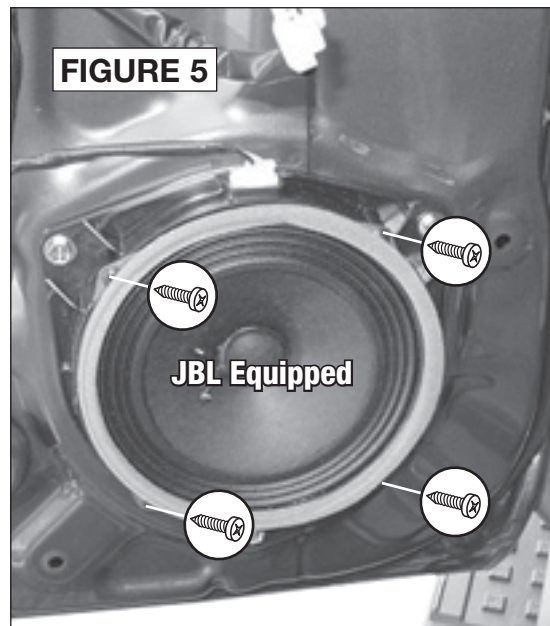


FIGURE 5

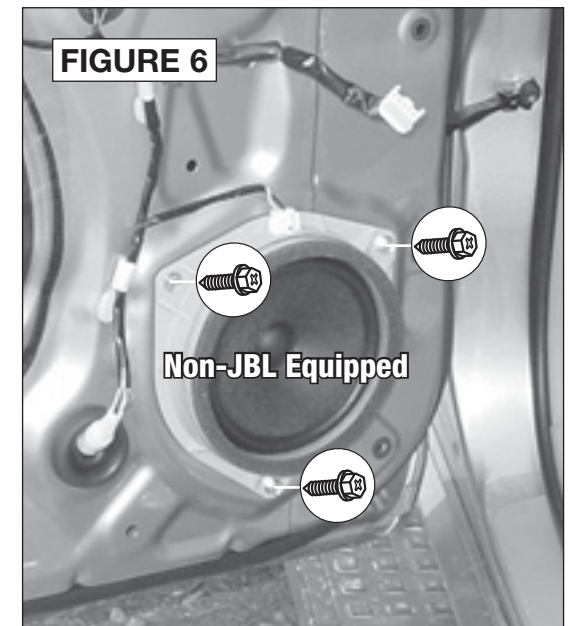


FIGURE 6



### SAFETY CHECK

- Check that wires do not interfere with window operation.
- Test window, door lock and release operation.



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## Rear Pillar Speakers

### NOTES:

#### *Please read first*

- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

1. Pry off speaker grille starting at the top edge and remove (Figure 1).
2. Remove two (2) 1/4" screws securing factory speaker. Pull out speaker, disconnect and remove (Figure 2).
3. Fabricate a bracket to mount replacement speaker.
4. Make wiring connections following instructions on page 16. Return to this page to complete installation.
5. Secure speaker/bracket assembly with screws previously removed or supplied.
6. Test speaker operation and reinstall speaker grille.

FIGURE 1



FIGURE 2



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## Rear Side Subwoofer

### NOTES:

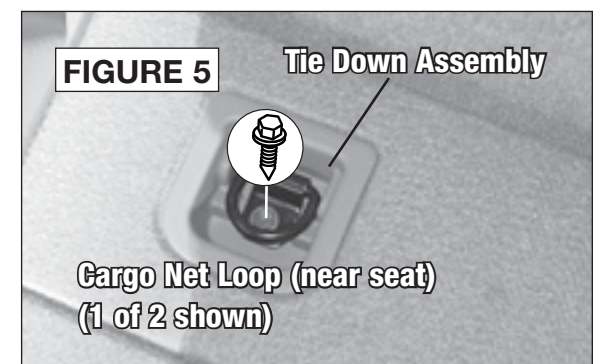
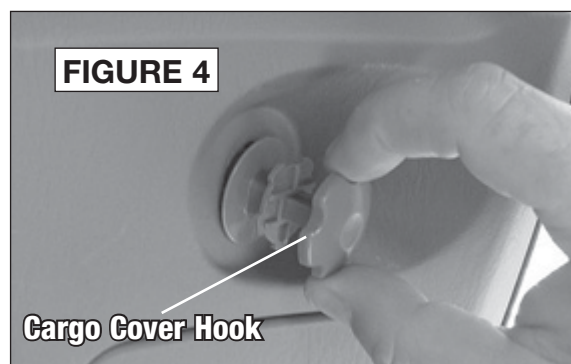
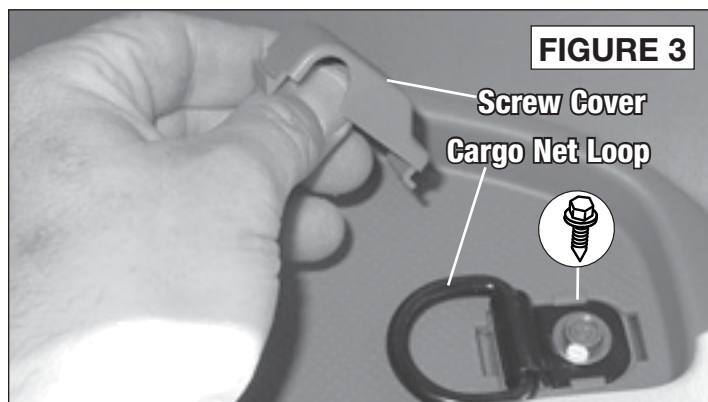
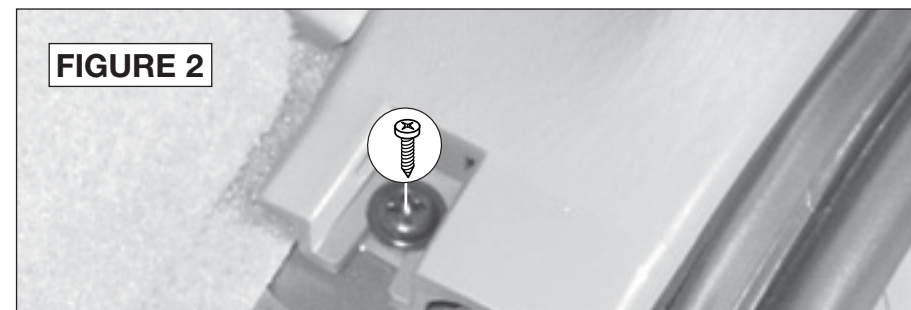
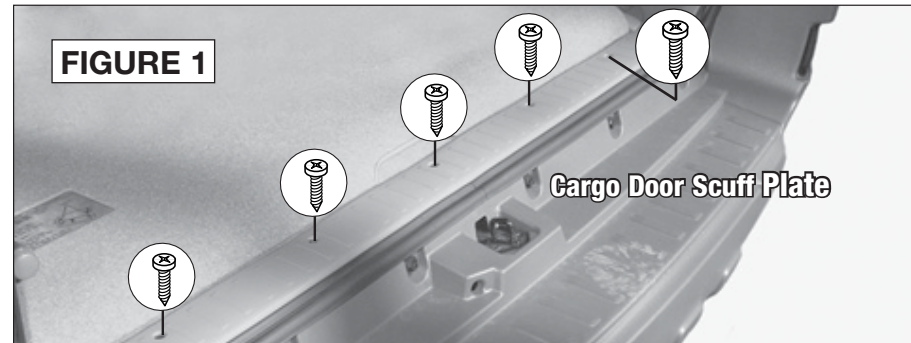
#### Please read first

- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

**Note:** The factory speaker is a dual voice coil subwoofer and will only produce bass frequencies from the factory amplifier. A replacement speaker will only produce bass.

1. Remove cargo door scuff plate by removing five (5) phillips screws. Pry up plate and remove (Figure 1).
2. Remove one (1) phillips screw on right side exposed by removal of scuff plate (Figure 2).
3. Pry off screw cover from bottom right rear cargo net loop and remove one (1) 10mm bolt to remove loop and trimpanel (Figure 3).
4. Pull out top right cargo cover hook, then pull entire hook assembly to remove (Figure 4).
5. Remove one (1) 10mm bolt from each cargo net loop located against seat. Pry up tie down assemblies and remove (Figure 5).

**Continued on the next page.**



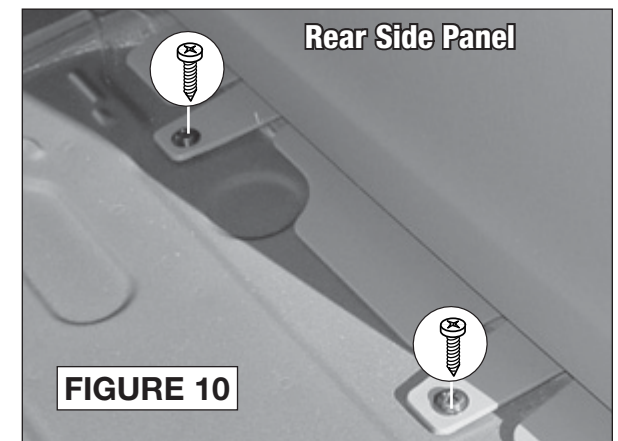
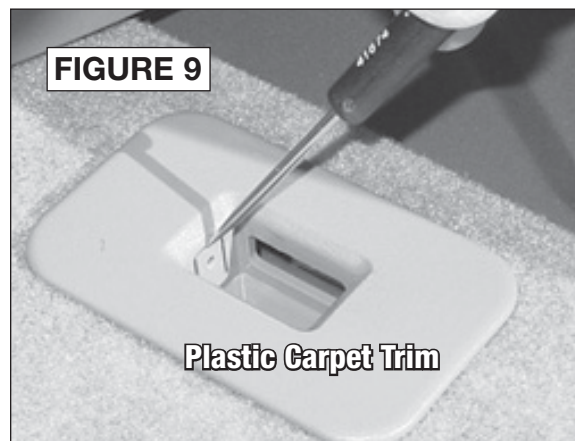
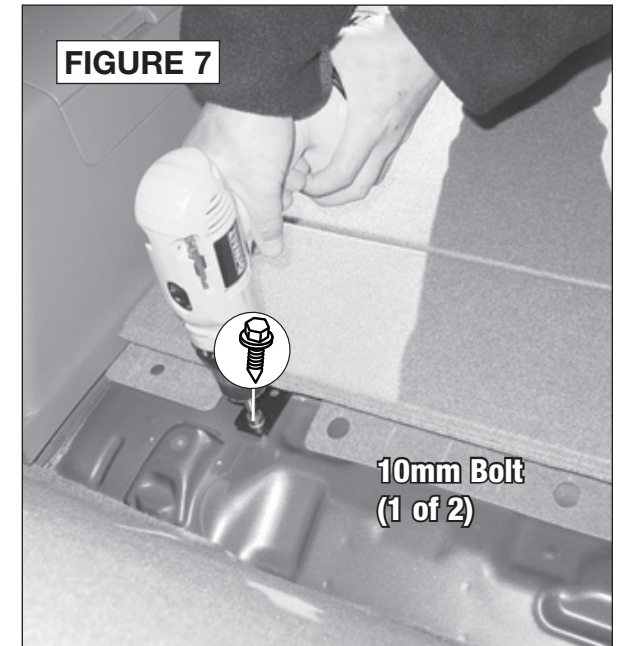
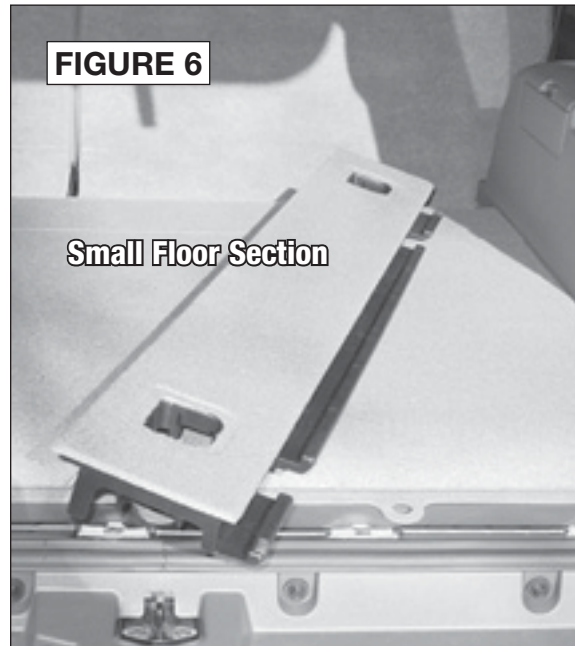
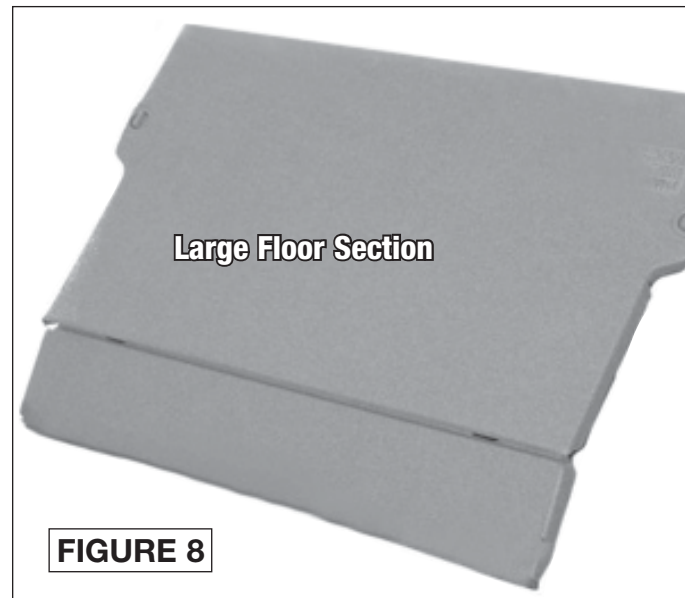
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## Rear Side Subwoofer (continued)

6. Lift up small floor section from edge next to rear seat and remove (Figure 6).
7. Remove two (2) 10mm bolts exposed by removal of floor section (Figure 7).
8. Pull up large floor section to remove (Figure 8).
9. Pry out two (2) clips from plastic carpet trim, lift trim and remove (Figure 9). Fold carpet over to the side.
10. Remove two (2) phillips screws from bottom of rear side panel located at base of fender well (Figure 10).

*Continued on the next page.*



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## Rear Side Subwoofer (continued)

11. Remove one (1) 10mm screw from **cup** at top of fender well (Figure 11).
12. Open **pocket** on top of fender well and remove one (1) 10mm screw (Figure 12).
13. Fold down right rear seat bottom. Pry **cover** off bottom **seat belt anchor** and remove one (1) exposed 14mm bolt (Figure 13).
14. Pry up and remove right rear door scuff plate (Figure 14).
15. Pull rear of rear side panel out enough to disconnect 12 volt power outlet (Figure 15).

*Continued on the next page.*

FIGURE 11



FIGURE 12

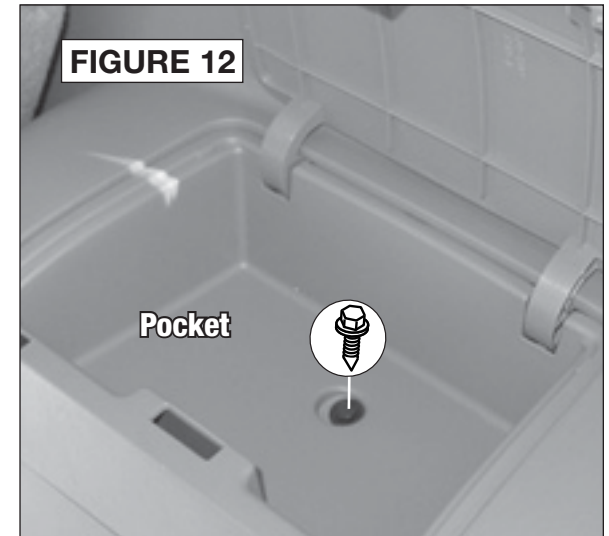


FIGURE 14

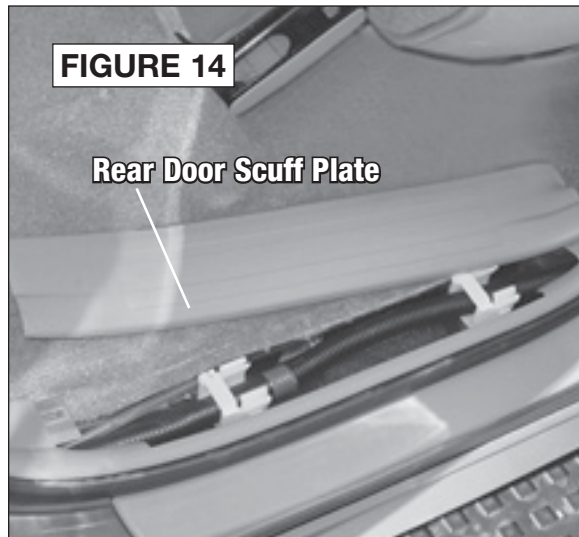


FIGURE 15

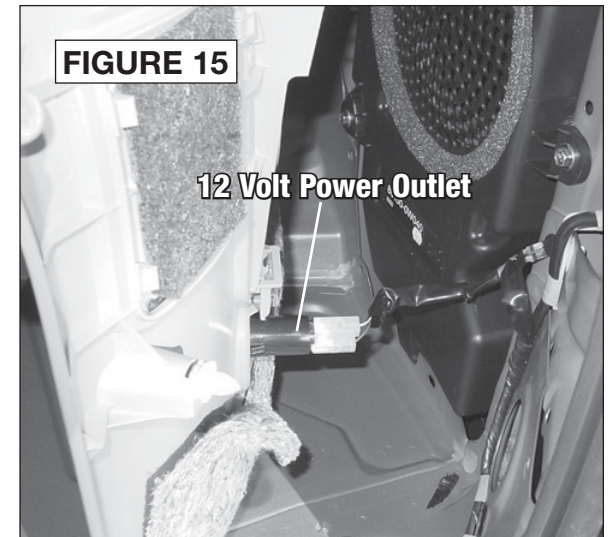
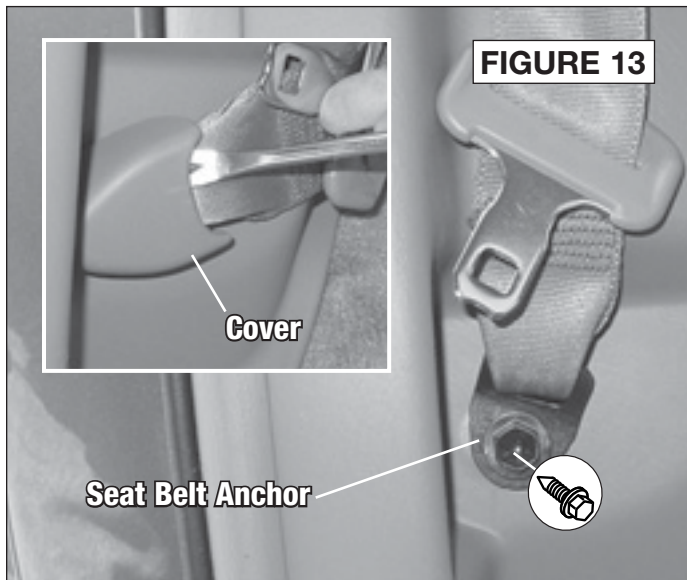


FIGURE 13



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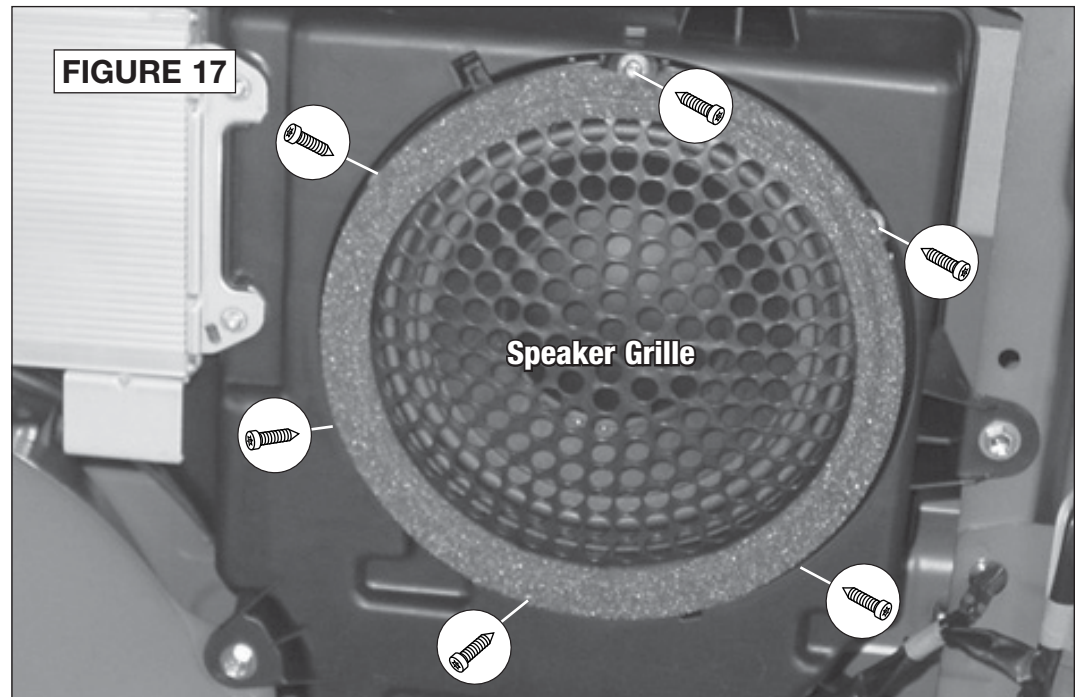
## Rear Side Subwoofer (continued)

16. Pry out edges of rear side panel to release all clips. Lift panel and remove from vehicle (Figure 16).
17. Remove six (6) Torx T20 screws securing speaker grille to subwoofer (Figure 17).
18. Pry out speaker. **Note:** Speaker is firmly secured. Disconnect wiring and remove.
19. Depending upon the new speaker, the mounting holes may or may not align. Place speaker in location. If holes do not match, mark new mounting holes. Remove speaker and drill holes with a 1/8" bit.
20. Make wiring connections following instructions on page 16. Return to this page to complete installation.
21. Secure speaker to location.
22. Test speaker operation and reassemble rear of vehicle by reversing disassembly steps.

FIGURE 16



FIGURE 17



### CAUTION:

Always be careful when drilling in a vehicle. **WEAR EYE PROTECTION.** Be aware of things such as wiring, windows, fuel lines and safety devices. Check drilling depth and location to avoid damage to vehicle appearance.



### SAFETY CHECK

- Make sure seat belts are secured to manufacturer's specifications.

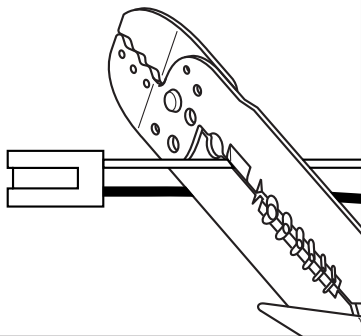
# Wire Splicing Guide

*These methods can be used to make wiring connections if no receiver of speaker wiring adaptor is available.*

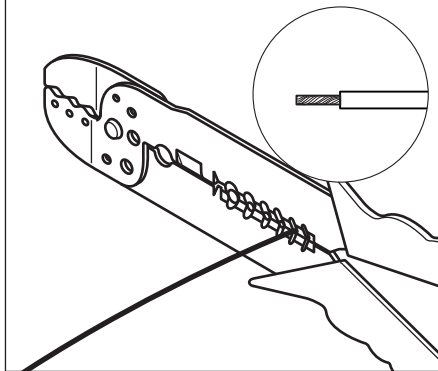
## CRIMP METHOD

Factory harness is removed. Save harness if it is to be reconnected in the future by this method.

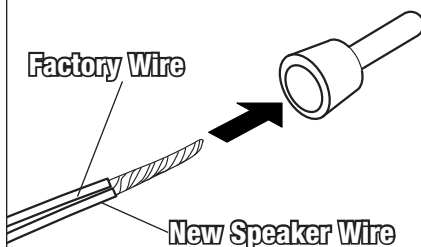
1. Cut factory wires behind factory speaker harness.



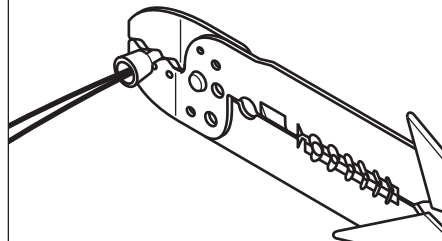
2. Strip end of each wire back 1/2".



3. Twist each positive pair of wires together and insert in crimp cap. Repeat step for negative wires.



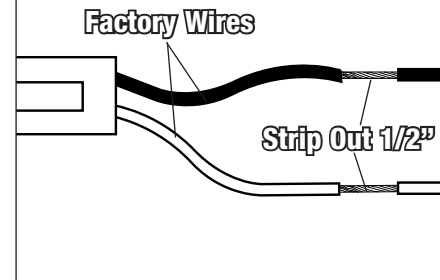
4. Squeeze middle of cap for tight connection.
5. Connect new wires to speaker with spade connectors.



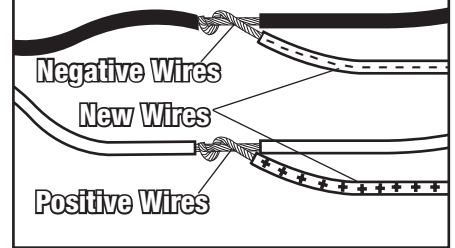
## SOLDER METHOD

New speaker wires are spliced into factory wires behind harness.

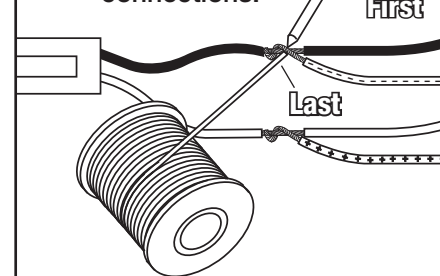
1. Carefully strip out a 1/2" section on each factory speaker wire behind the factory speaker harness.



2. Twist wires from new speaker to stripped sections of factory wires as shown making sure polarity is correct.



3. Heat wires first with soldering iron, then touch solder to wires for solid connections.



4. Wrap wiring connections with electrical tape.
5. Connect new wires to speaker with spade connectors.

