

# MasterSheet

038 0036  
Revision 02/20/18



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**.

## 2016- Nissan Altima



\*0000380036\*

## Inside...

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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Phillips  
Screwdriver

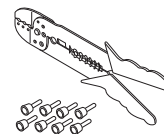
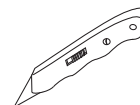
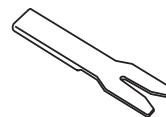
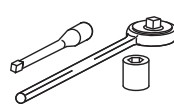
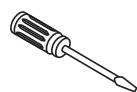
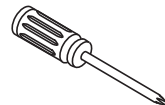
Small Flat Blade  
Screwdriver

13mm 10mm  
Socket, Ratchet  
& Extension

Panel Tool

Utility Knife

Wire Strippers  
& Crimp Caps



## Tools Required ▶

**IMPORTANT:** Disconnect negative battery cable before all operations in order to avoid an electrical short or accidental airbag deployment.

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

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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. Using shift lock release, place gear shift in the lowest position (Figures 1 & 2).
4. Pry down chrome collar on gear shift, then pry out exposed "C" clip. Lift gear shift knob to remove. Remove chrome collar (Figures 3 & 4).
5. Pry up gear shift/cupholder panel to release ten (10) clips. Disconnect wiring harness and remove panel (Figure 5).
6. Remove six (6) phillips screws exposed by removal of gear shift/cupholder panel (Figure 6).

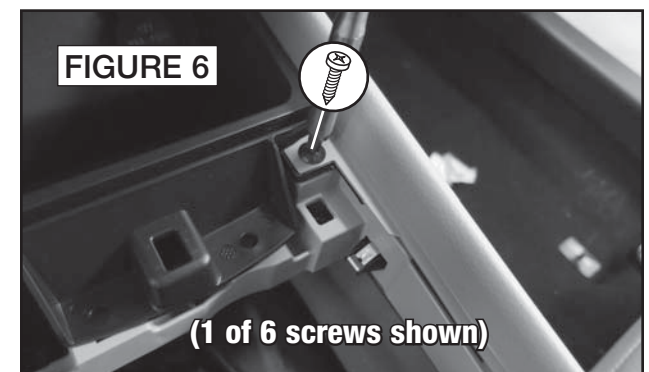
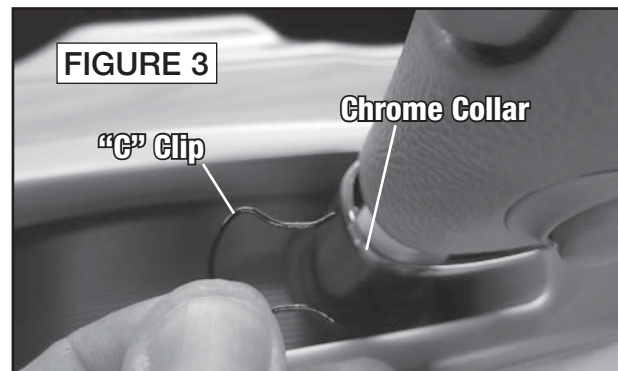
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**SAFETY CHECK**

- Return gear shift to park position.

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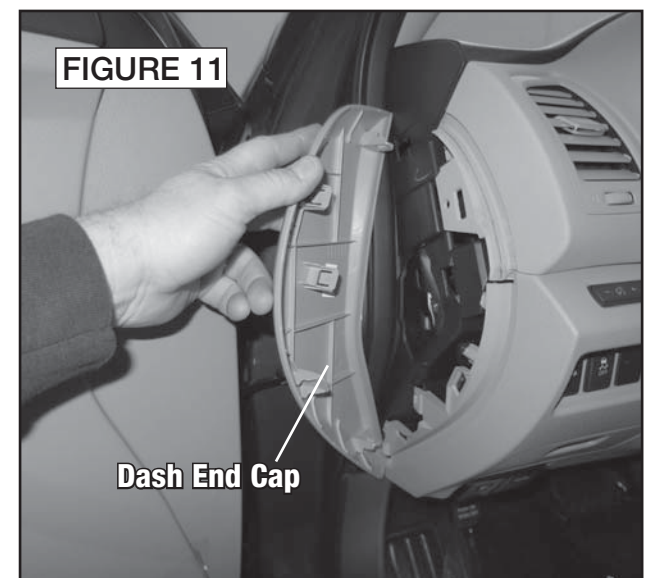
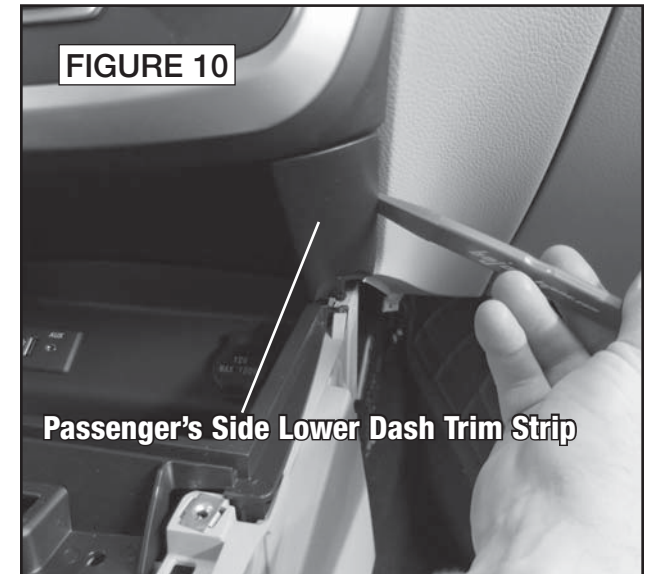
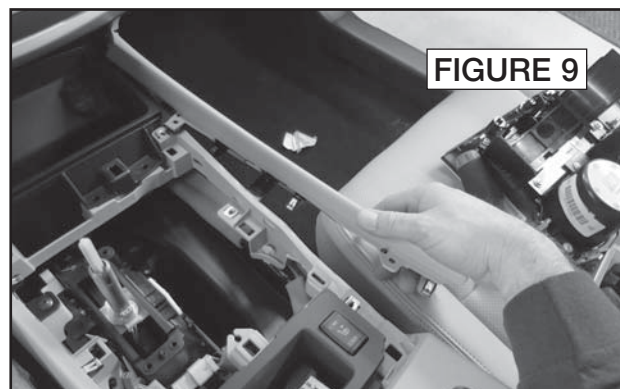
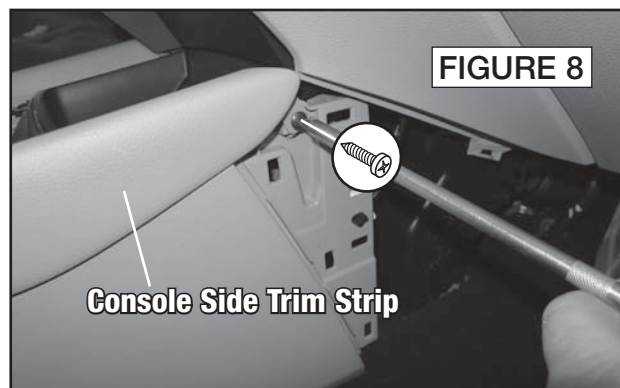
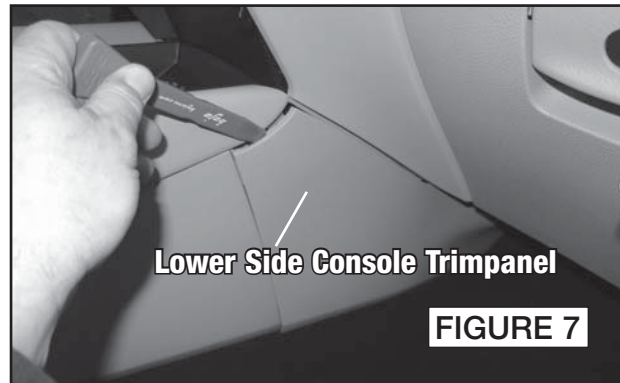
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# Factory Radio Removal *(continued)*

7. Starting at the rear edges, pry out both **lower side console trimpanels** to release clips.  
**Note:** Complete removal of trimpanels is not necessary. Remove one (1) exposed phillips screw under each trimpanel (Figures 7 & 8).
8. Pry out both **console side trim strips** to release four (4) clips on each, then remove strips (Figures 8 & 9).
9. Pry out **passenger's side lower dash trim strip** to release two (2) clips and remove strip (Figure 10).
10. Pry out **driver's side dash end cap** to release five (5) clips and remove end cap (Figure 11).

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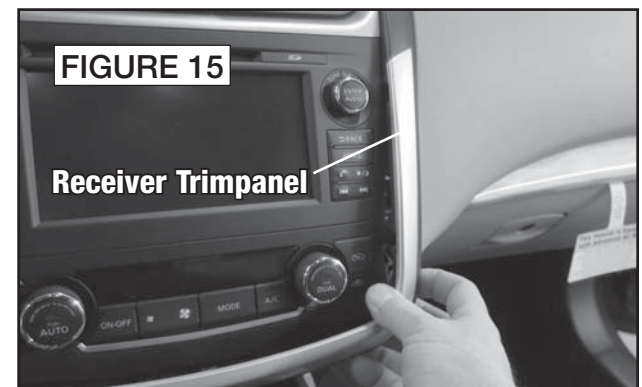
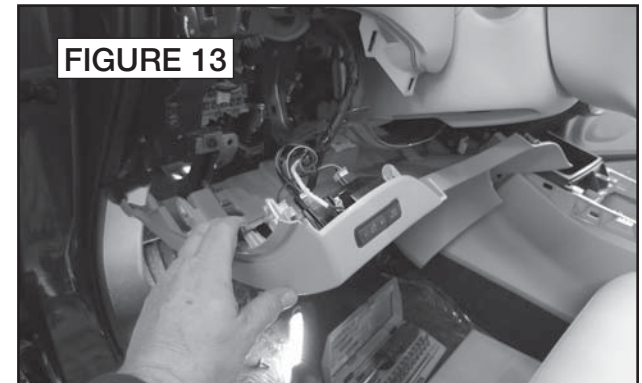
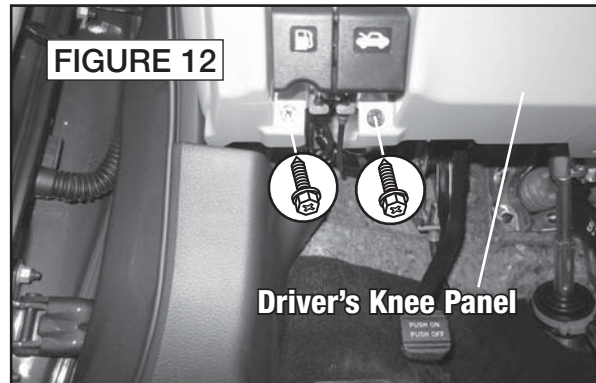
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# Factory Radio Removal (continued)

11. Remove two (2) 10mm screws along bottom edge of driver's knee panel (Figure 12).
12. Pry out knee panel to release clips and allow panel to hang by wiring harnesses (Figure 13).
13. Pry out driver's side lower dash trim strip to release two (2) clips and remove strip (Figure 14).
14. Pry out receiver trimpanel to release seven (7) clips and remove panel (Figure 15).
15. Remove two (2) phillips screws securing center vent panel. Pull panel toward rear of vehicle, but **DO NOT DISCONNECT AIRBAG HARNESS** (Figures 16 & 17).

*Continued on the next page.*



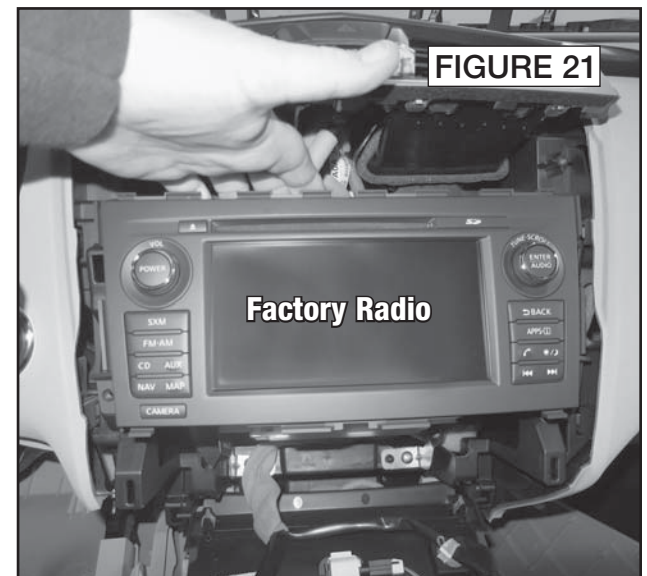
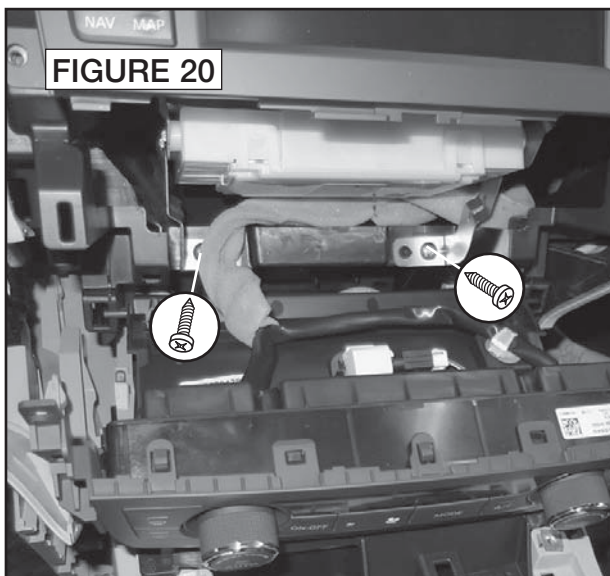
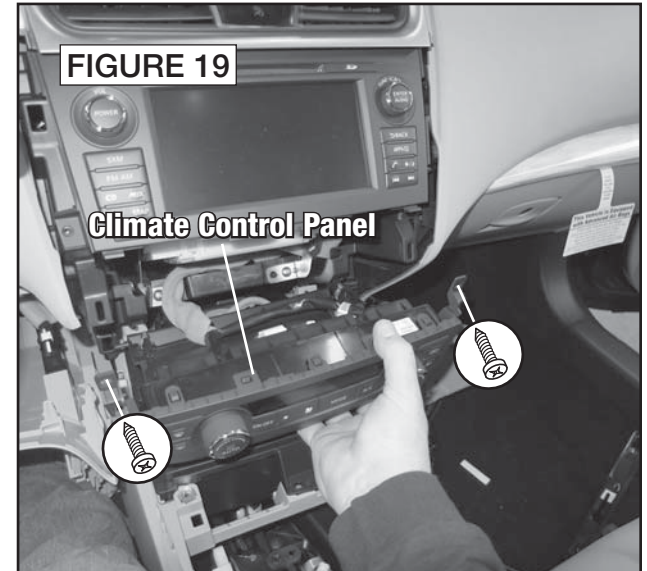
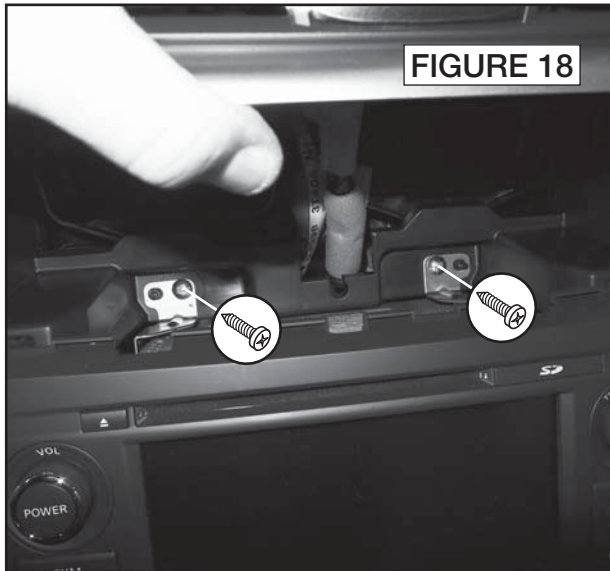
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## Factory Radio Removal (continued)

16. Remove two (2) phillips screws exposed by removal of center vent panel (Figure 18).
17. Remove two (2) phillips screws securing climate control panel. Pull panel toward rear of vehicle to release clips and place panel on console (Figure 19).
18. Remove two (2) phillips screws exposed by removal of climate control panel (Figure 20).
19. Pull factory radio toward rear of vehicle to release two (2) clips, disconnect radio and remove (Figure 21).



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# Receiver Installation

## NOTES:

### *Please read first*

- Check to make sure the Crutchfield receiver wiring adaptor plugs into the vehicle receiver harness. If the Crutchfield adaptor is incorrect, please call our **Technical Support Department at 1-800-955-9094.**

*A Standard DIN unit is shown. A Double-DIN receiver may also be installed following these same steps.*

1. Secure receiver to mounting bracket following instructions supplied with the dash kit.
2. Make wiring connections following instructions supplied with the receiver wiring adaptor received from Crutchfield.
3. Hold receiver assembly near dash. Connect receiver wiring adaptor to vehicle harness. Using the antenna adaptor, plug antenna lead into rear of receiver. Plug in any other accessories to be used with the receiver.
4. Slide assembly into dash and secure with screws previously removed.
5. Make sure airbag wiring harness is connected, then test operation and reassemble dash by reversing removal steps.



## SAFETY CHECK

- Return gear shift to park position.



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# Center Dash Speaker



## IMPORTANT

No speaker wiring adaptor is available at this time from Crutchfield for this speaker location. It will be necessary to splice wires in order to install an aftermarket speaker.

No speaker adaptor bracket is available at this time for this location. A mounting bracket must be fabricated in order to install an aftermarket speaker.

It is possible that the replacement speakers do not have screws supplied. It may be necessary to acquire mounting hardware.

1. Starting at the rear edge, pry up **center dash speaker grille** to release six (6) clips. Pull grille toward rear of vehicle to remove (Figure 1).
2. Remove three (3) phillips screws securing speaker. Pull out speaker, disconnect and remove (Figure 2).
3. Fabricate a speaker mounting bracket and secure speaker to bracket.
4. Make wiring connections following instructions on page 16. Return to this page to complete installation.
5. Secure speaker/bracket assembly to location.
6. Test speaker operation and reinstall speaker grille.

## NOTES:

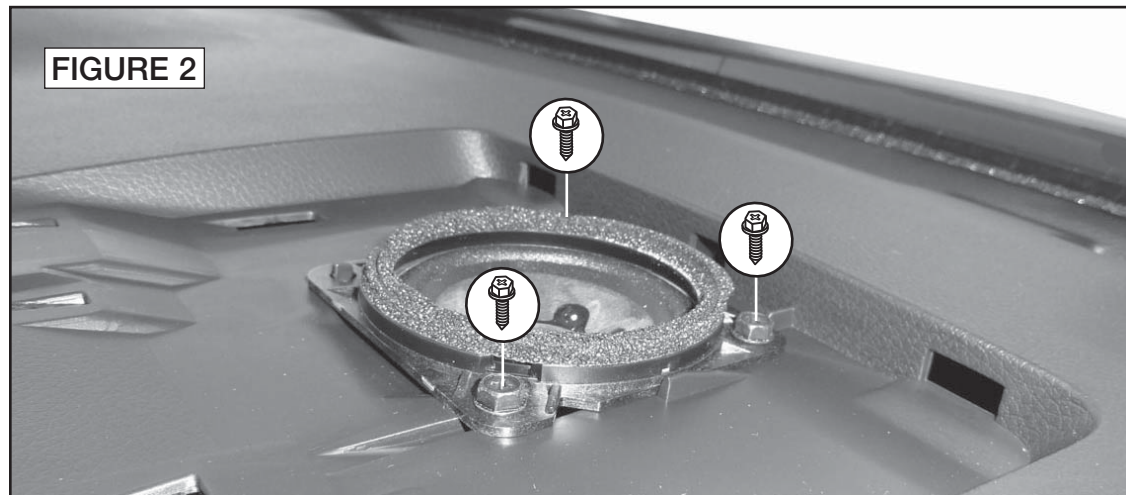
### *Please read first*

- 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



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# Corner Dash Speakers



## IMPORTANT

No speaker wiring adaptor is available at this time from Crutchfield for this speaker location. It will be necessary to splice wires in order to install an aftermarket speaker.

No speaker adaptor bracket is available at this time for this location. A mounting bracket must be fabricated in order to install an aftermarket speaker.

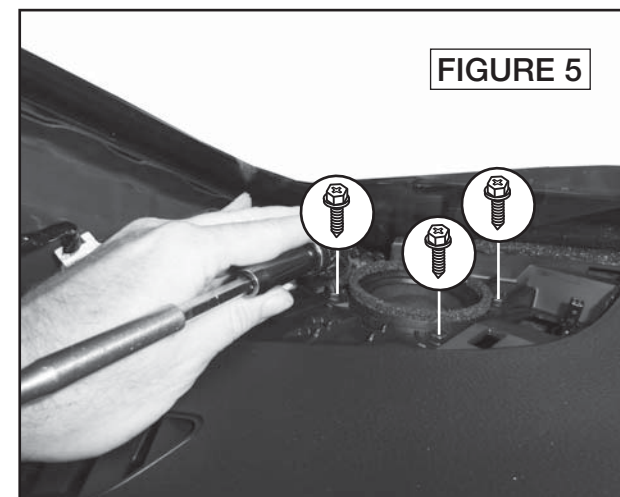
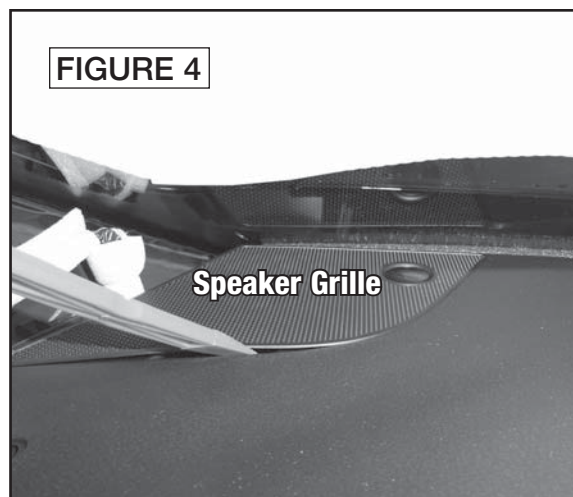
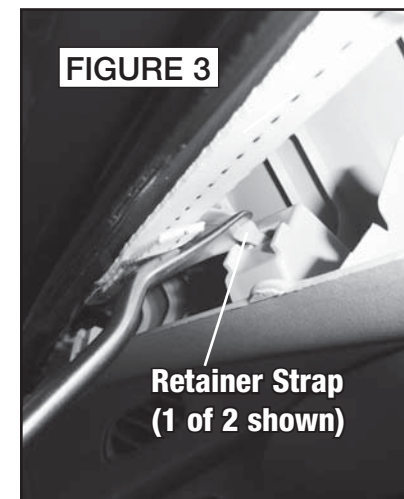
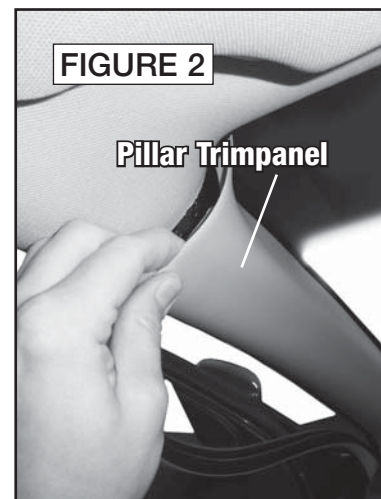
It is possible that the replacement speakers do not have screws supplied. It may be necessary to acquire mounting hardware.

1. Pull door gasket away from front pillar (Figure 1).
2. Pry out pillar trimpanel to release one (1) clip. Twist two (2) retainer straps 90 degrees to release. Lift trimpanel to remove (Figures 2 & 3).
3. Pry up corner speaker grille to release two (2) clips. Disconnect wiring harness and remove grille (Figure 4).
4. Remove three (3) phillips screws securing speaker. Pull out speaker, disconnect and remove (Figure 5).
5. Fabricate a speaker mounting bracket and secure speaker to bracket.
6. Make wiring connections following instructions on page 16. Return to this page to complete installation.
7. Secure speaker/bracket assembly to location.
8. Test speaker operation and reassemble by reversing removal steps.

## 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.



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# Front Door Speakers



## IMPORTANT

It is possible that the replacement speakers do not have screws supplied. It may be necessary to acquire mounting hardware.

1. Pry out screw cover behind door release from the front edge to remove. Remove one (1) exposed 10mm screw (Figures 1 & 2).
2. Starting at the top edge, pry out door pull outer cover to release clips and remove cover (Figure 3).
3. Remove one (1) 10mm screw exposed by removal of door pull outer cover (Figure 4).
4. Pry up power options switch panel to release clips. Disconnect wiring harnesses and remove panel (Figure 5).

*Continued on the next page.*



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## 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

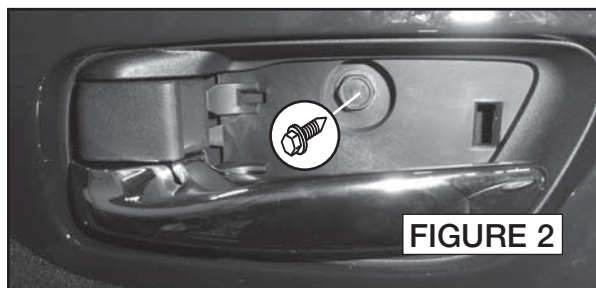


FIGURE 2

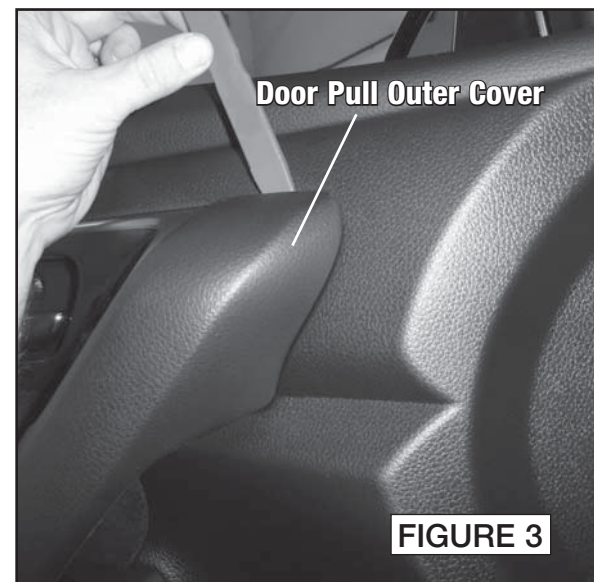


FIGURE 3



FIGURE 4

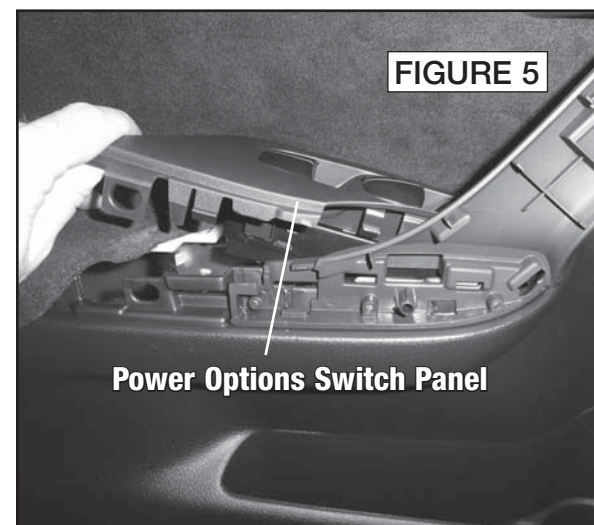


FIGURE 5

# Front Door Speakers (continued)

5. Remove one (1) 10mm screw exposed by removal of power options switch panel (Figure 6).
6. Pry out **courtesy light assembly**. Disconnect wiring harness and remove assembly (Figure 7).
7. Pry out sides and bottom of door panel to release nine (9) clips. Disconnect wiring harnesses, **door lock and release cables**. Remove panel (Figures 8 & 9).
8. Remove three (3) 10mm screws securing speaker. Pull out speaker, disconnect and remove (Figures 10 & 11).
9. Secure new speaker to adaptor bracket.
10. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker/bracket assembly to location.
11. Test speaker operation and reinstall door panel by reversing removal steps.

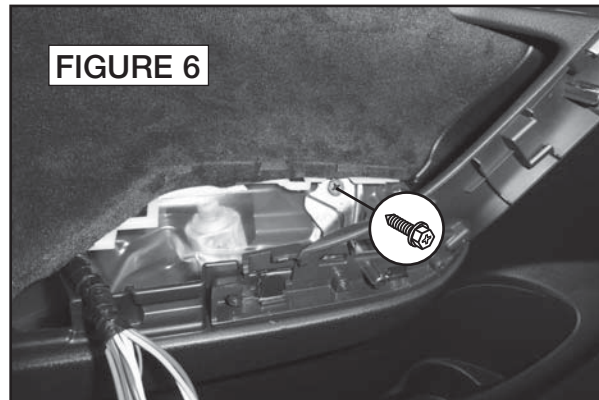


FIGURE 6



FIGURE 7

Courtesy Light Assembly

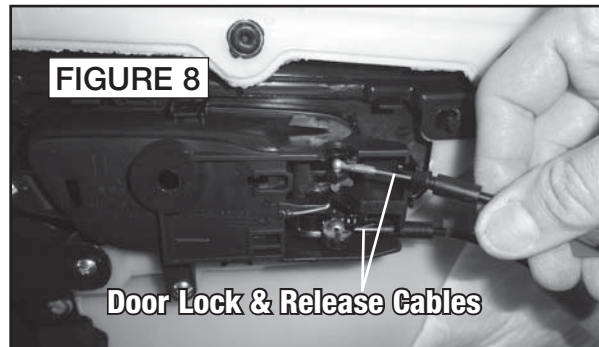


FIGURE 8

Door Lock &amp; Release Cables

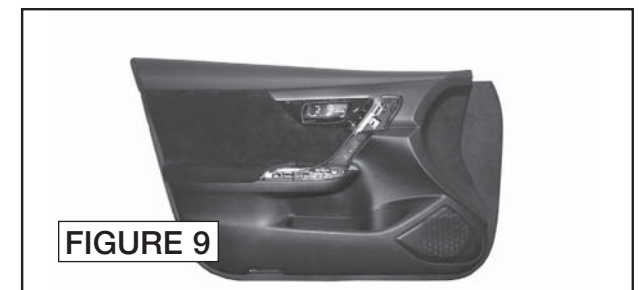


FIGURE 9

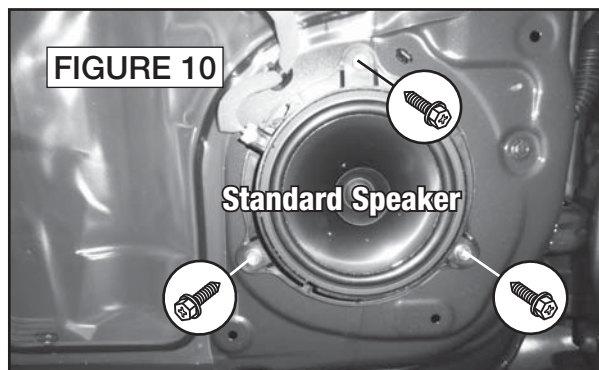


FIGURE 10

Standard Speaker

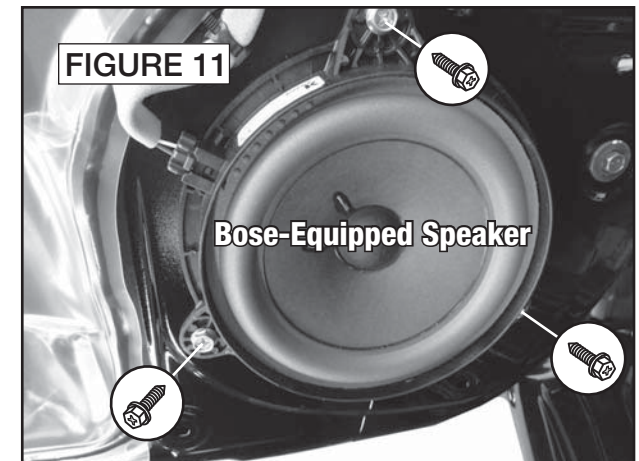


FIGURE 11

Bose-Equipped Speaker

!

**SAFETY CHECK**

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

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# Rear 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.



### IMPORTANT

*It is possible that the replacement speakers do not have screws supplied. It may be necessary to acquire mounting hardware.*

1. Pry out screw cover behind door release from the front edge to remove. Remove one (1) exposed 10mm screw (Figures 1 & 2).
2. Pry out screw cover inside door pull cup and remove one (1) exposed 10mm screw (Figure 3).
3. Pry out sides and bottom of door panel to release six (6) clips. Disconnect wiring harness, door lock and release cables. Remove door panel (Figure 4 - this page, Figure 5 - next page).

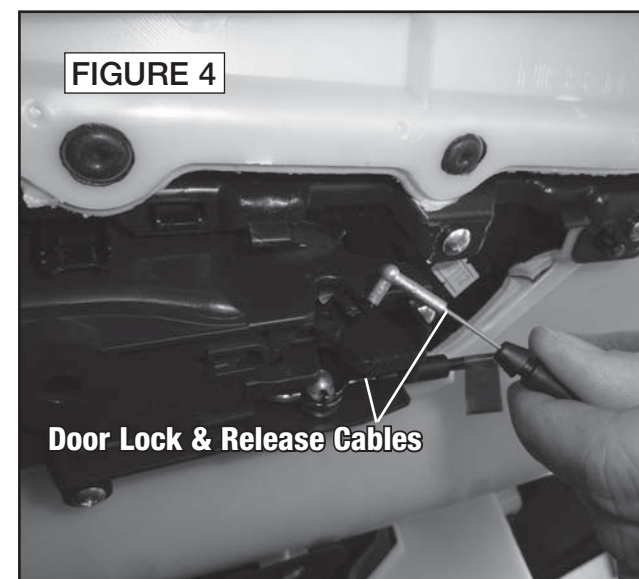
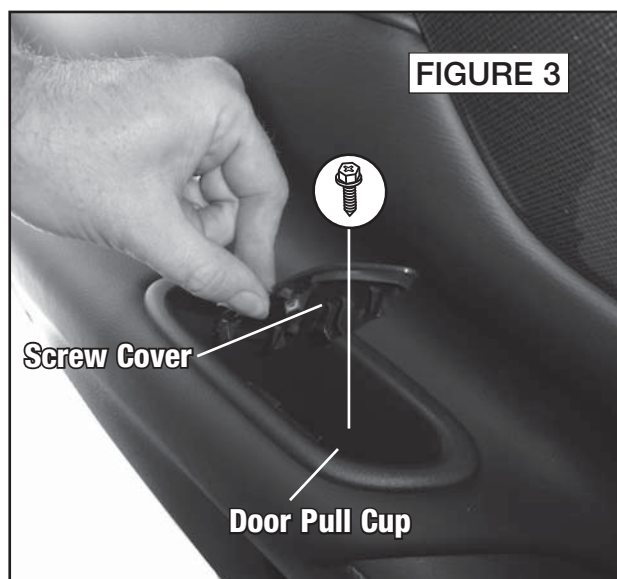
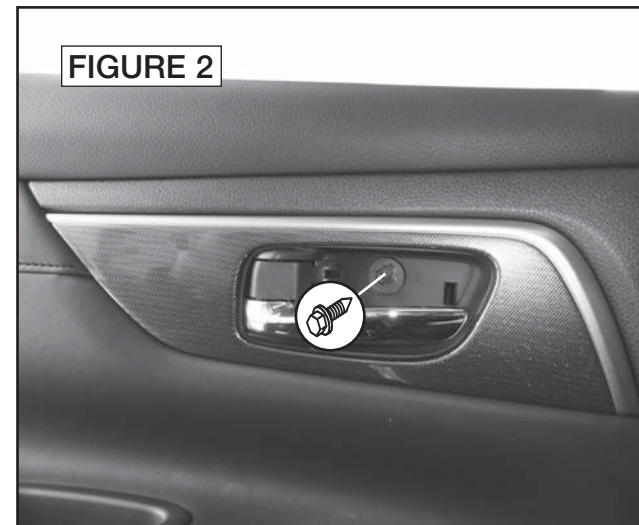
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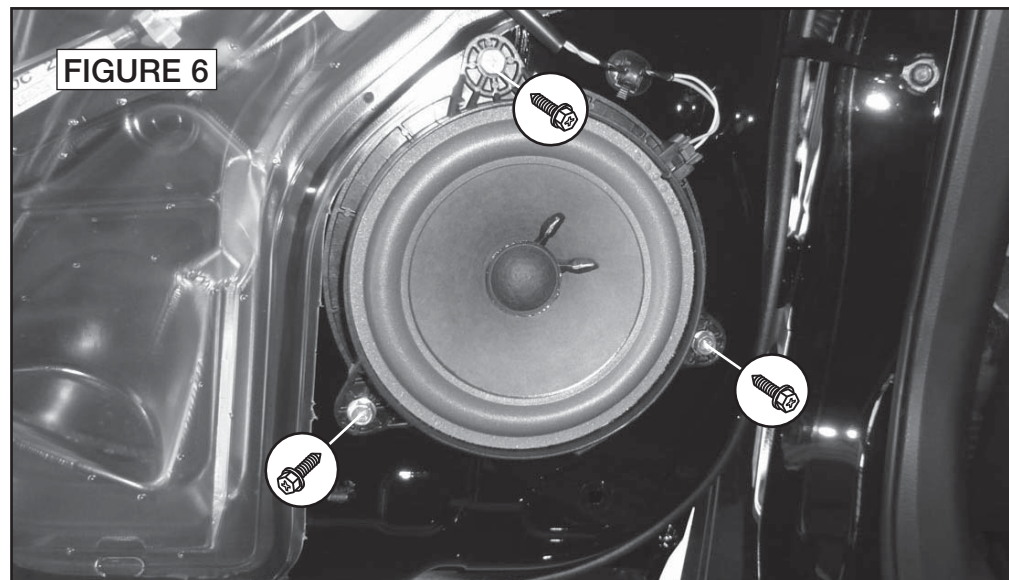




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## Rear Door Speakers (continued)

4. Remove three (3) 10mm screws securing speaker. Pull out speaker, disconnect and remove (Figure 6).
5. Secure new speaker to adaptor bracket.
6. 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.



### SAFETY CHECK

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



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# Rear Deck Speakers

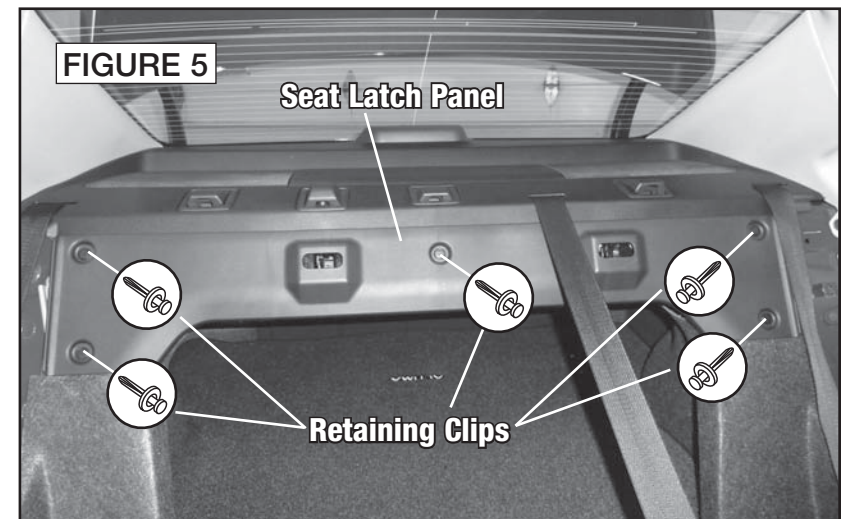
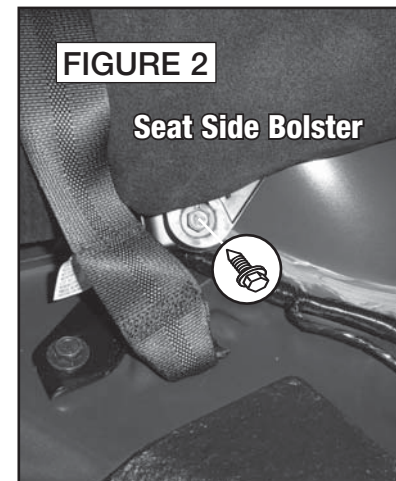
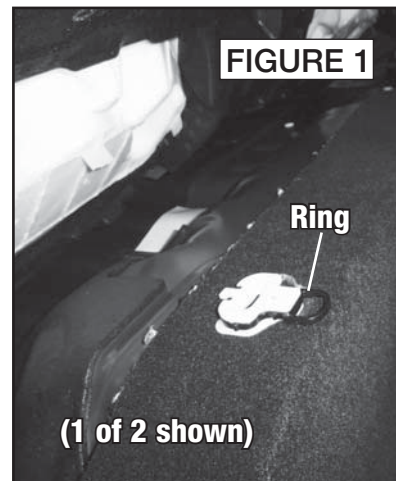
## NOTES:

### *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. Pull two (2) rings toward front of vehicle to release seat bottom cushion, then push rear of seat bottom down and toward front of vehicle to remove cushion (Figure 1).
2. Fold down both rear seat backs.
3. Remove one (1) 13mm bolt at bottom of rear seat side bolster, then push bolster down to release. Work seat belt through opening in seat belt retainer and remove bolster (Figures 2, 3 & 4).
4. Repeat step 3 for the opposite side of vehicle.
5. Remove five (5) retaining clips on seat latch panel by prying out center pin, then prying out clips. Pull down seat latch panel to release clips and remove (Figure 5).

*Continued on the next page.*



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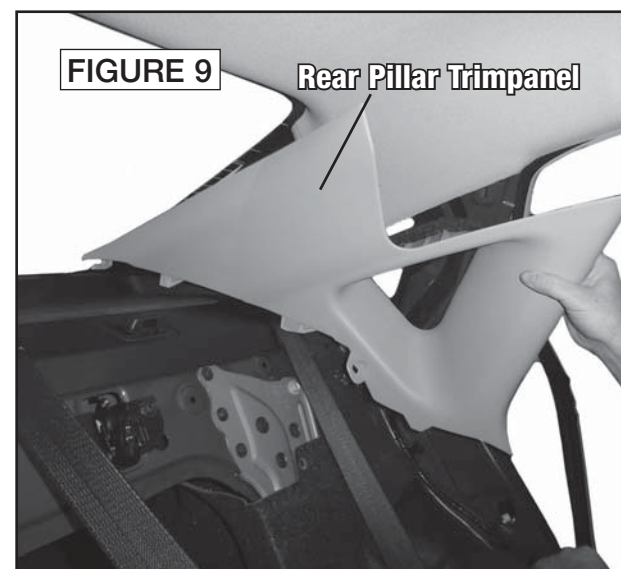
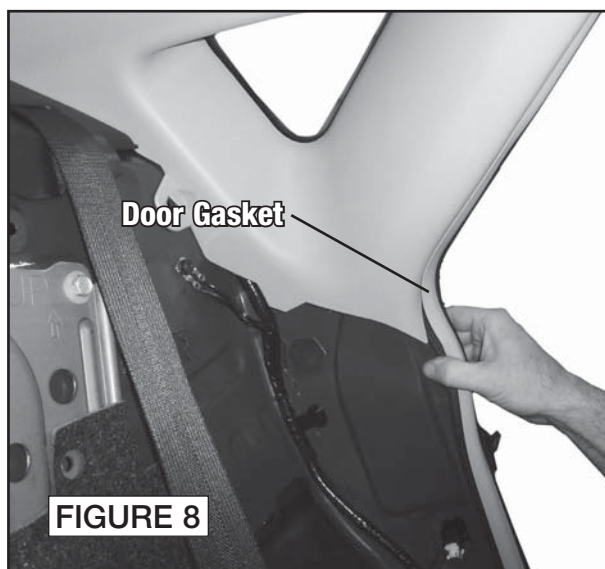
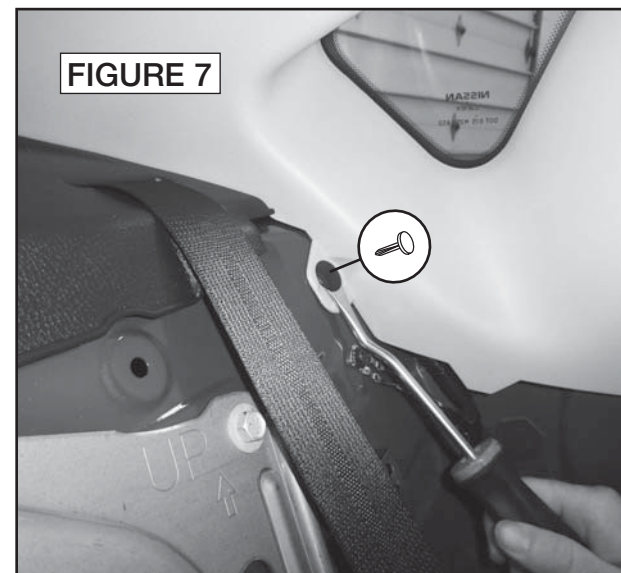
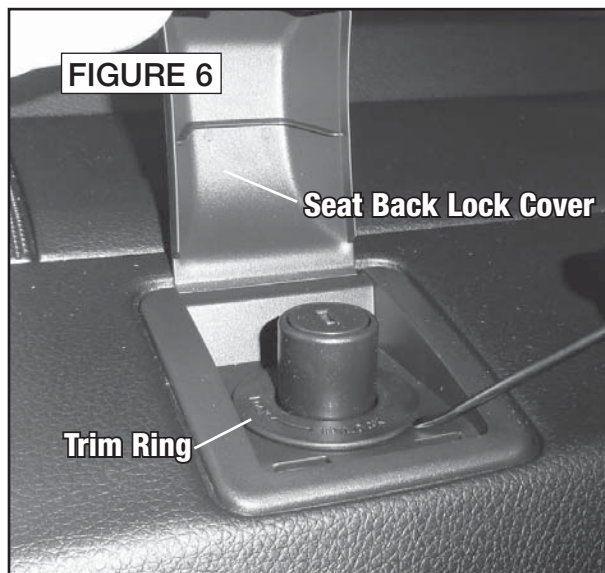
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# Rear Deck Speakers (continued)

6. Open seat back lock cover, then pry up trim ring to remove (Figure 6).
7. Pry out one (1) clip at lower edge of rear pillar trimpanel (Figure 7).
8. Pull rear door gasket away from body along rear pillar trimpanel (Figure 8).
9. Starting at the front edge, pry out rear pillar trimpanel to release four (4) clips. Lift trimpanel to remove (Figure 9).
10. Repeat steps 7 through 9 for the opposite side of vehicle.

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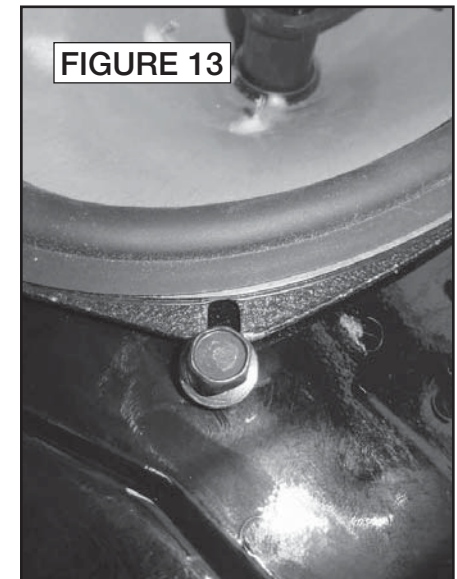
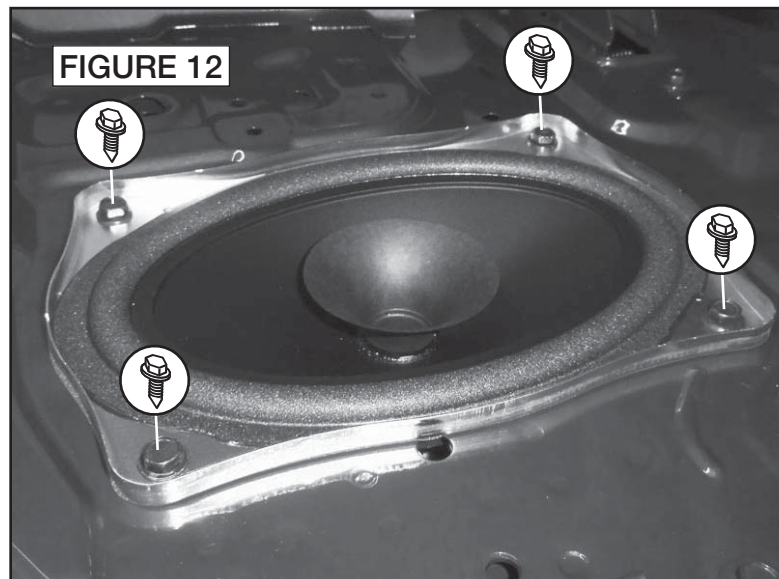
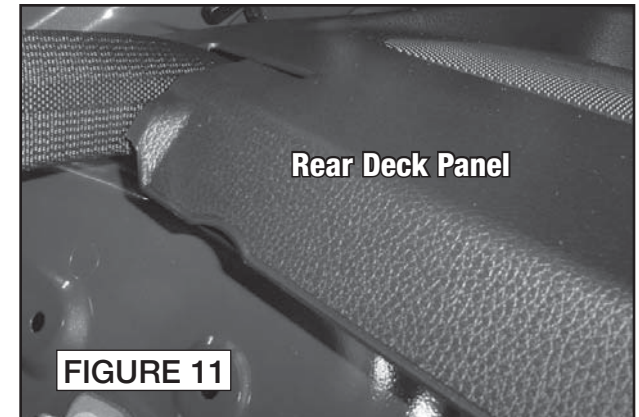
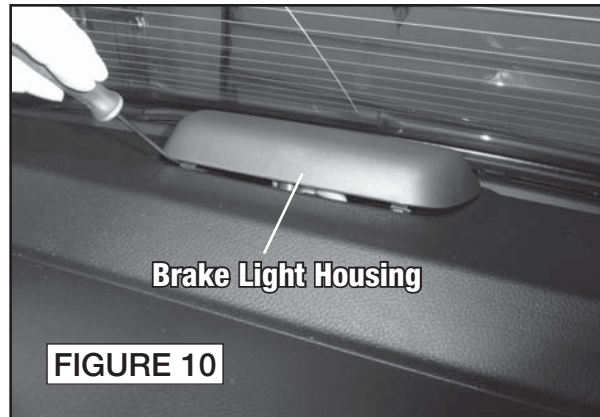
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## Rear Deck Speakers (continued)

11. Pry up center brake light housing to release clips. Pull toward front of vehicle, disconnect wiring harness and remove housing (Figure 10).
12. Pry up rear deck panel to release eight (8) clips. Work seat belts through slots in panel and remove panel (Figure 11).
13. Remove four (4) 10mm screws securing speaker. Pull out speaker, disconnect and remove (Figure 12).
14. Cut off plastic ring around the grille on the rear side of the rear deck panel to allow proper fit of new speaker.
15. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness.
16. The holes in the aftermarket speaker will not align with the mounting holes in the rear deck. Place speaker in location so that the mounting holes line up along the edges of the speaker flange. Using the screws previously removed, secure the speaker so that the screw heads overlap the speaker flange. Tighten screws. This method will hold the speakers securely (Figure 13).
17. Test speaker operation and reassemble rear of vehicle by reversing disassembly steps.



### SAFETY CHECK

- Make sure seats and seat belts are secured to manufacturer's specifications.
- Check third rear brake light connection and test operation.



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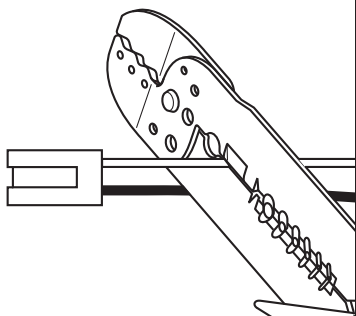
# Wire Splicing Guide

These methods can be used to make wiring connections if no receiver or speaker wiring adaptor is available. Wire color information (if available) can be found on the next page.

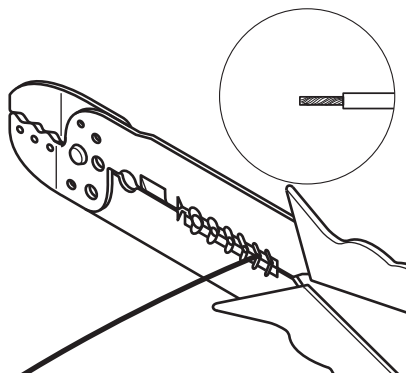
## CRIMP METHOD

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

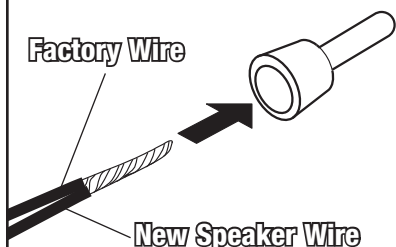
1. Cut factory wires behind factory speaker harness.



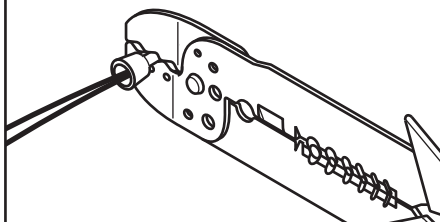
2. Strip end of each wire back 1/2".



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



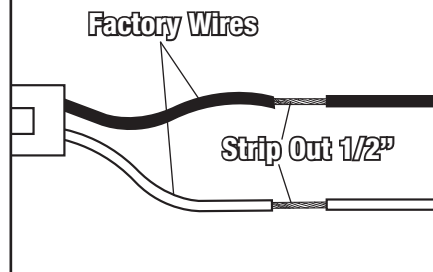
4. Squeeze middle of cap for tight connection.
5. Connect new wires to speaker with spade connectors.



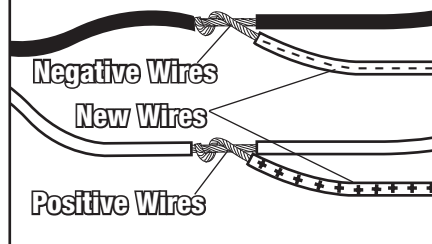
## SOLDER METHOD

New speaker wires are spliced into factory wires behind harness.

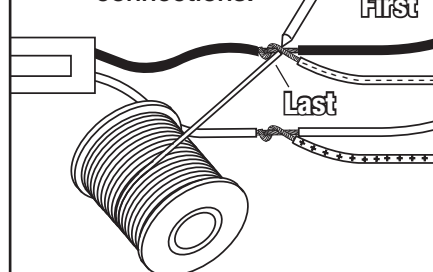
1. Carefully strip out a 1/2" section on each factory speaker wire behind the factory speaker harness.



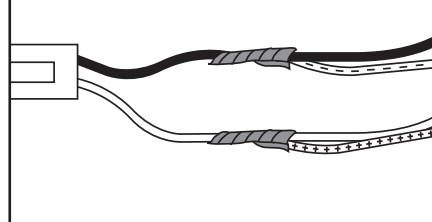
2. Twist wires from new speaker to stripped sections of factory wires as shown making sure polarity is correct.



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.



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TECHNICAL SUPPORT

**CRUTCHFIELD**

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# Wire Splicing Guide (continued)

*NOTE: In most cases a speaker wiring adaptor is available from Crutchfield and splicing will not be necessary. If no adaptor is available, use this chart as a guide to match and splice wires.*

Wire Location	Wire Color
Left front speaker/tweeter	positive (+): violet, black or pink, negative (-): light blue, white or red
Right front speaker/tweeter	positive (+): yellow, black or pink, negative (-): brown, white or beige
Center dash speaker	positive (+): green, negative (-): white
Left rear speaker	positive (+): brown or green, negative (-): yellow, red or white
Right rear speaker	positive (+): green, negative (-): violet, red or white
Left rear deck subwoofer	positive (+): white, negative (-): green
Right rear deck subwoofer	positive (+): white, negative (-): green
Vehicle speed sense	Pin #11 of 20-pin main radio plug - green
Reverse (+) (with LCD screen)	32-pin harness at radio, pin 11 - gray
Reverse (+) (without LCD screen)	Body Control Module, behind instrument cluster, gray 24-pin plug, pin 9 or pin 24 - brown
Parking brake	At parking brake switch or drivers kick, white 100-pin plug, pin 12 - light green to green
Foot brake	Body Control Module, behind instrument cluster, green 40-pin plug, pin 27 - green
<b>NOTES:</b> <ul style="list-style-type: none"> <li>If equipped with a factory amplifier, the amplifier will be located under the rear deck.</li> </ul>	

