

MasterSheet

027 0018
Revision 01/12/16



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**.

**2007-'10
Jeep Wrangler**



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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Page

2-3	Factory Radio Removal	✓		✓						
4	Receiver Installation			✓						
5	Dash Speakers (Tweeters)			✓						
6-8	Dash Speaker (Driver's Side)	✓	✓	✓	✓	✓		✓		
9-10	Dash Speaker (Passenger's Side)	✓	✓	✓	✓			✓		
11	Sound Bar Speakers						✓			
12	Rear Subwoofer						✓		✓	
13	Wire Splicing Guide									✓

Tools Required ▶

Panel Tool	Utility Knife	7mm	8mm	10mm	T15	T20	Drill & 1/8" Bit	Wire Strippers & Crimp Caps
		Socket, Ratchet & Extension			Torx Driver			

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

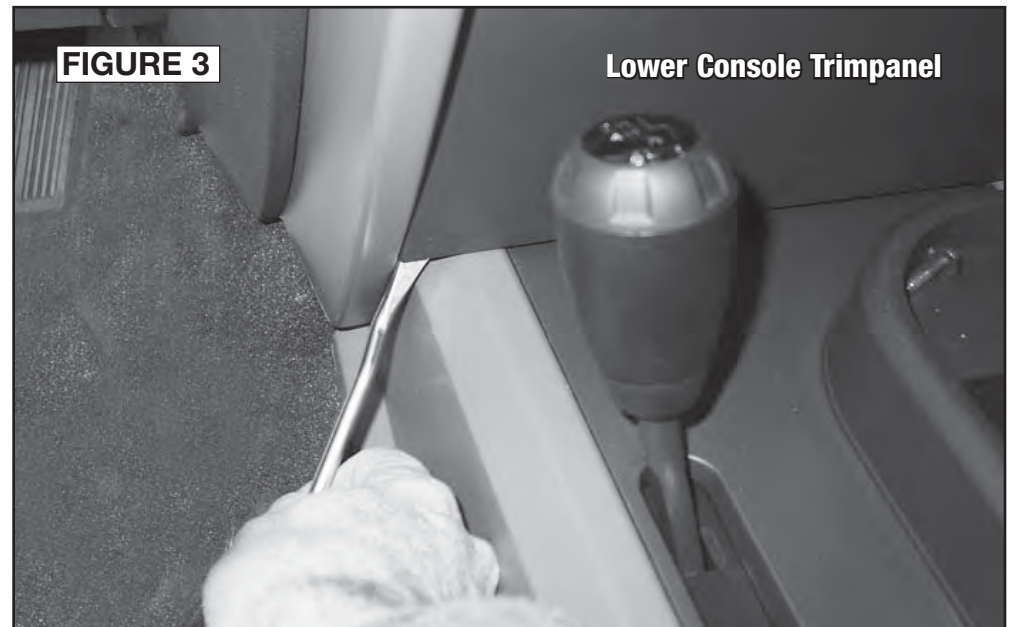
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Factory Radio Removal

1. Before proceeding, eject disc(s) from factory radio if present.
2. Set parking brake and disconnect negative battery cable to prevent any electrical short.
3. Starting at the edge closest to the windshield, pry up **top dash panel** to release clips and remove (Figure 1).
4. Remove two (2) 7mm screws exposed by removal of top dash panel (Figure 2).
5. Starting at the top, pry out **lower console trimpanel** to release clips and remove (Figure 3).

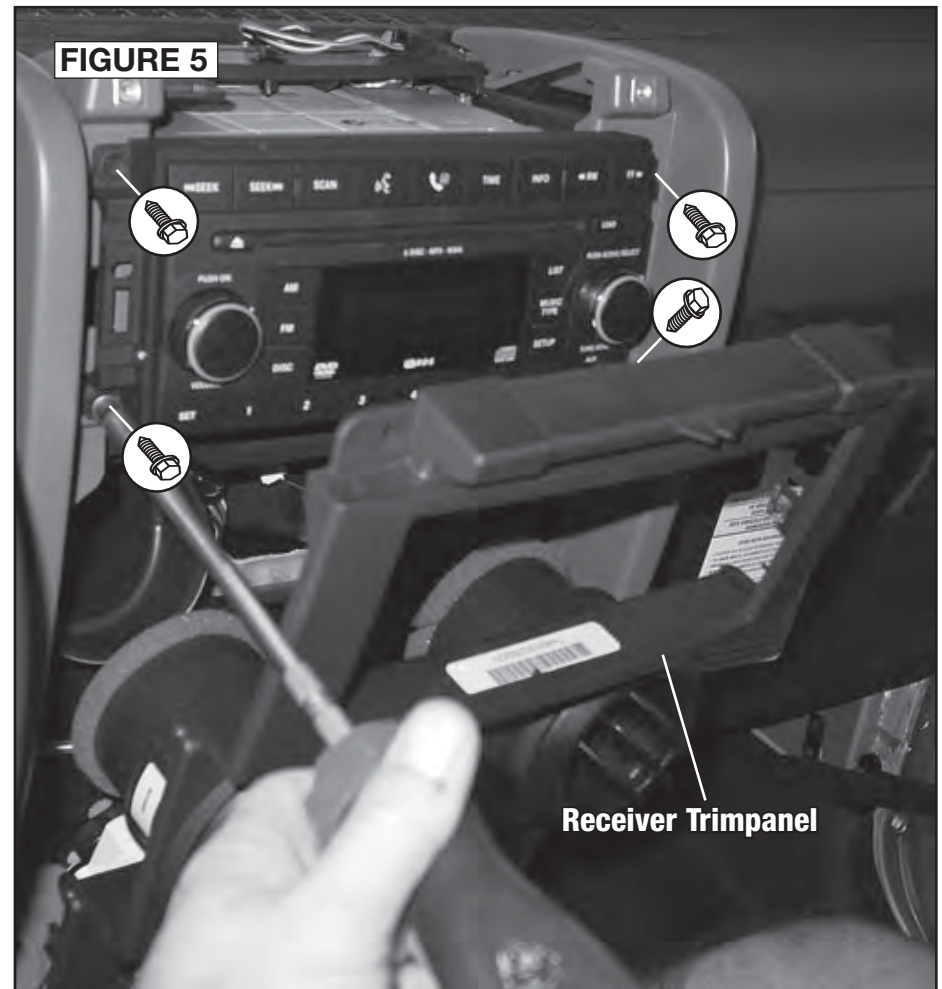
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Factory Radio Removal (continued)

6. Remove two (2) 7mm screws exposed by removal of lower console trimpanel (Figure 4).
7. Pull **receiver trimpanel** out enough to remove four (4) 7mm screws securing factory radio. Pull out radio, disconnect and remove (Figure 5).



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Receiver Installation

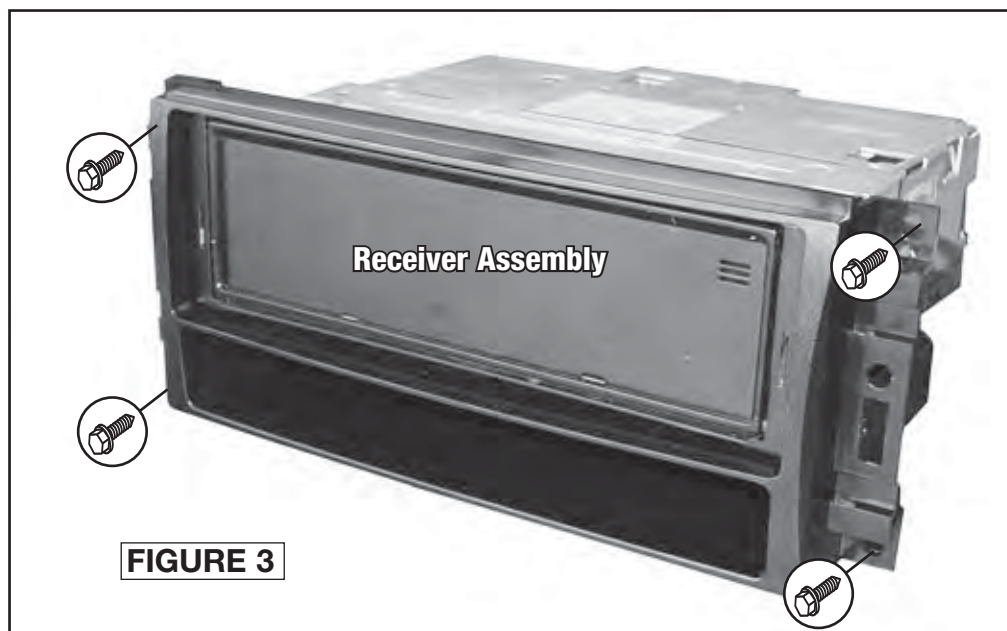
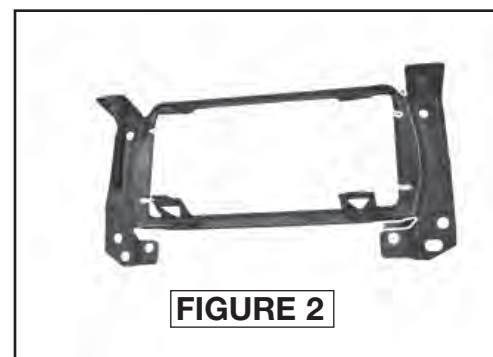
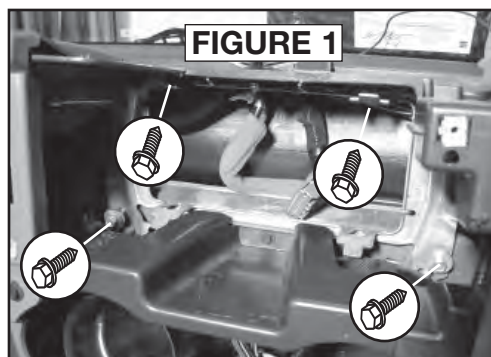
NOTES:

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 instructions.

1. Secure receiver to mounting bracket following instructions supplied with the dash kit.
2. **If installing a Double-DIN receiver:** Remove the metal bracket in the rear of the receiver cavity by removing four (4) 7mm screws (Figure 1). Pull out the bracket (Figure 2).
Note: The bracket will not be used in the receiver installation.
3. Make wiring connections following instructions supplied with the receiver wiring interface received from Crutchfield.
4. Hold **receiver assembly** near dash. Connect receiver wiring interface to vehicle harness. Using the antenna adaptor, plug antenna lead into rear of receiver.
5. Slide assembly into dash. Secure with screws previously removed (Figure 3).
6. Test operation and reassemble dash by reversing removal steps.



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Dash Speakers -- Tweeters



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.

1. Remove one (1) 7mm screw behind **tweeter pod** (Figure 1).
2. Pull up pod to release four (4) clips, disconnect wiring harness and remove pod (Figure 2).
3. From inside pod, push out **tweeter** to release clips and remove tweeter (Figure 3).
4. **Note:** This step is only necessary if the factory grille is to be re-used. Push three (3) tabs inside tweeter grille outward to release tweeter.

Mounting New Tweeter:

Flush mounting is recommended provided the depth and cutout are sufficient. Height is open when mounting with hardware supplied with tweeter.

Mounting Bracket Fabrication may be necessary if the replacement tweeter will not fit properly.

5. Mount new tweeter using the best method.
6. Make wiring connections following instructions on page 13. Return to this page to complete installation.
7. Reinstall tweeter pod (if re-used) and test operation.

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.

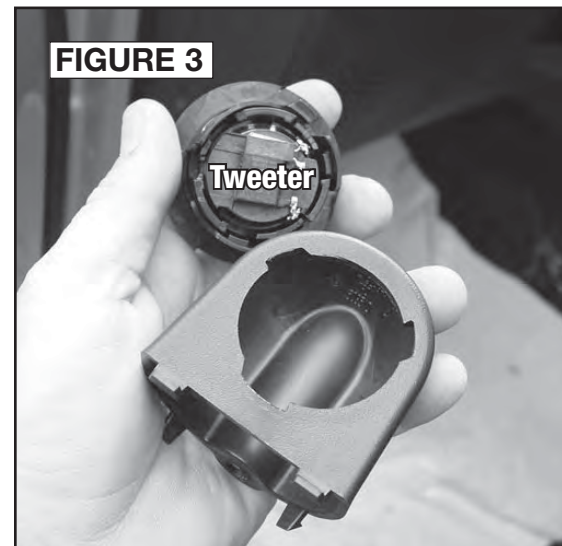
FIGURE 1



FIGURE 2



FIGURE 3



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Dash Speaker -- Driver's Side

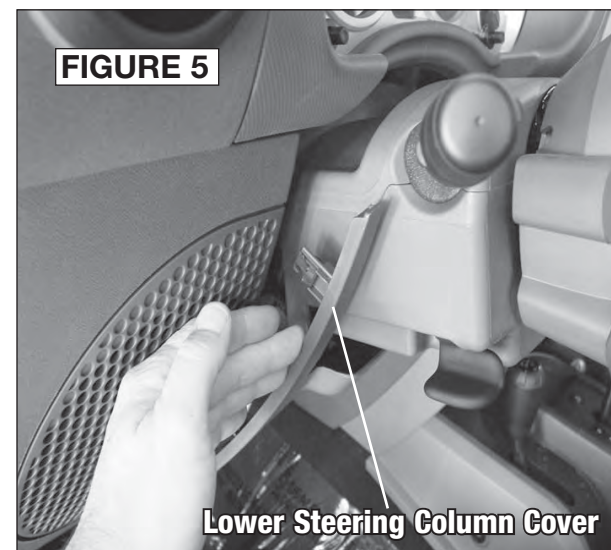
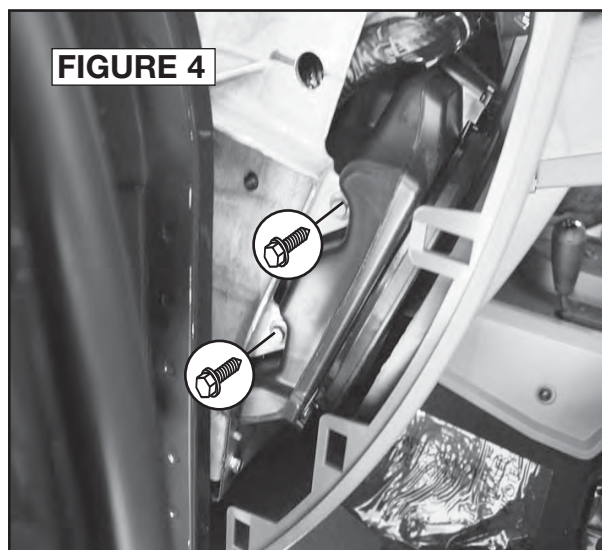
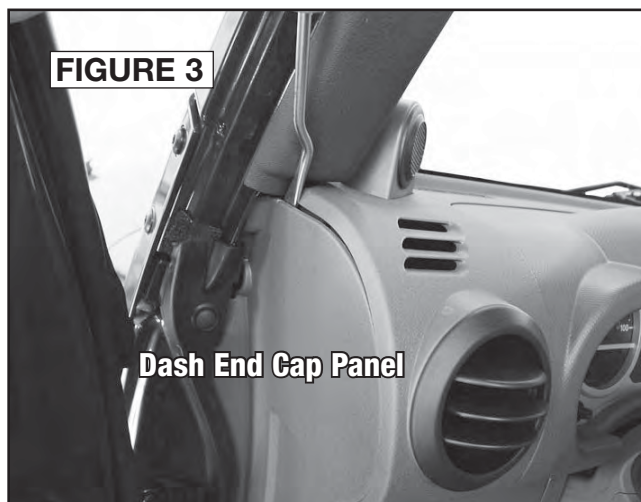
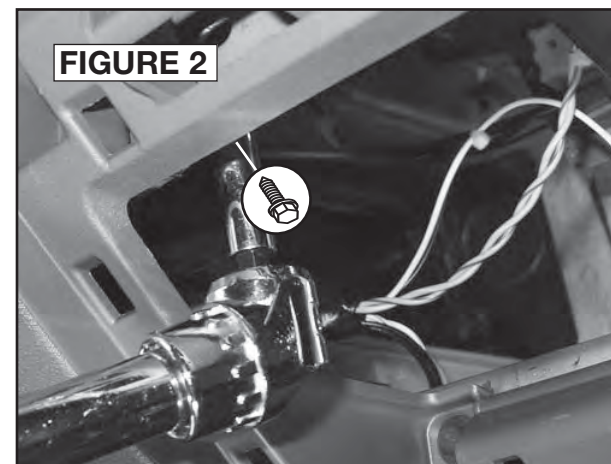
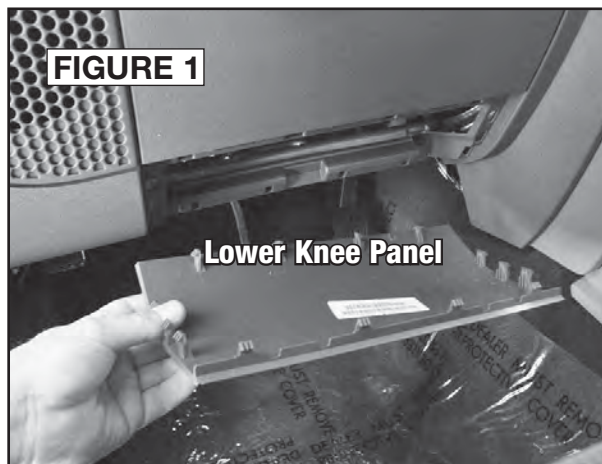
NOTES:

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 out **lower knee panel** to release clips and remove (Figure 1).
2. Remove one (1) 8mm screw exposed by removal of lower knee panel (Figure 2).
3. Pry off **dash end cap panel** to release clips and remove panel (Figure 3).
4. Remove two (2) 7mm screws exposed by removal of dash end cap panel (Figure 4).
5. Pry out **lower steering column cover** to release clips and remove panel (Figure 5).

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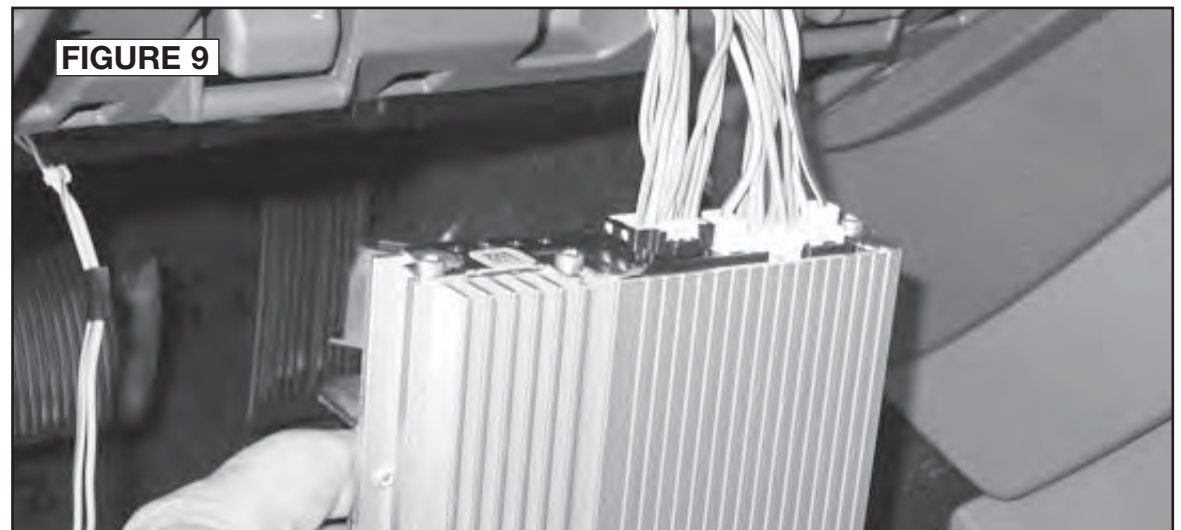
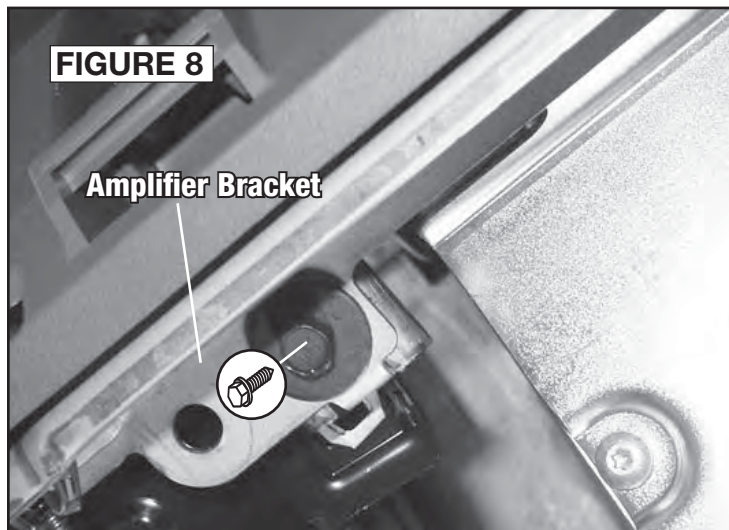
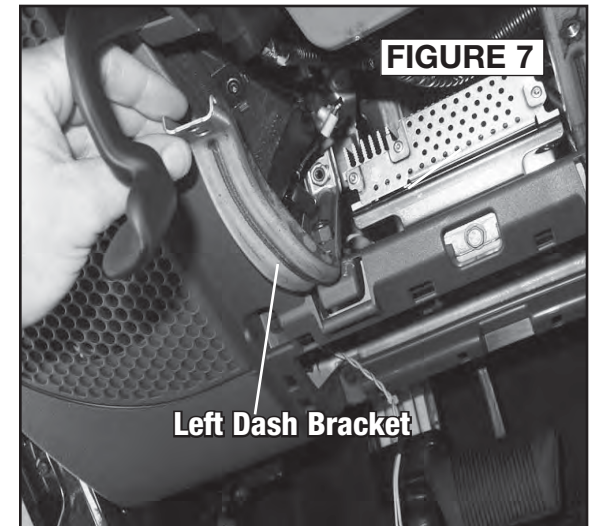
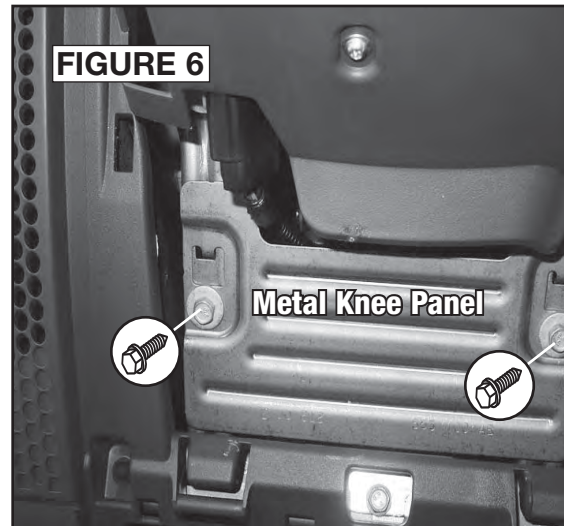


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Dash Speaker -- Driver's Side (continued)

6. Remove two (2) 10mm bolts securing **metal knee panel** to dash brackets and remove panel (Figure 6).
7. Remove two (2) 7mm screws securing **left dash bracket** and remove bracket (Figure 7).
8. *If equipped with Infinity:* Remove one (1) 10mm bolt securing **amplifier bracket** to dash. Disconnect wiring harnesses and remove amp (Figures 8 & 9).

Continued on the next page.



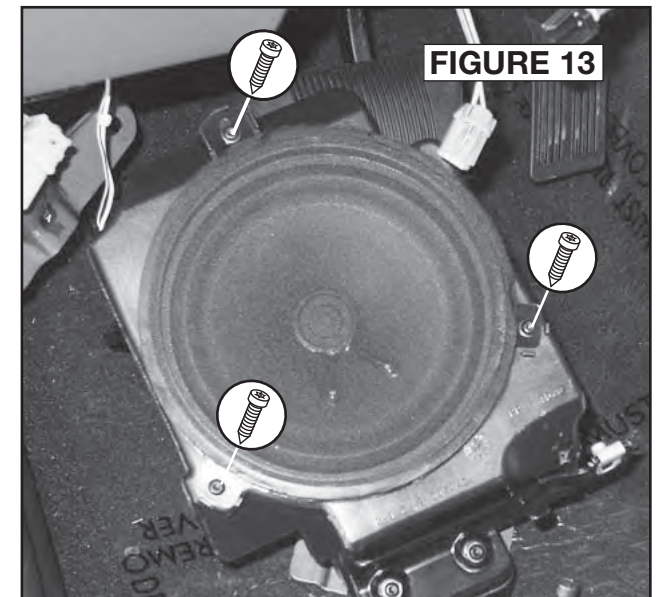
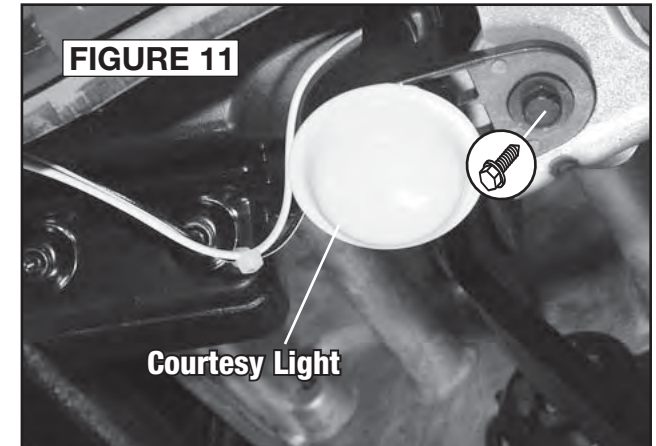
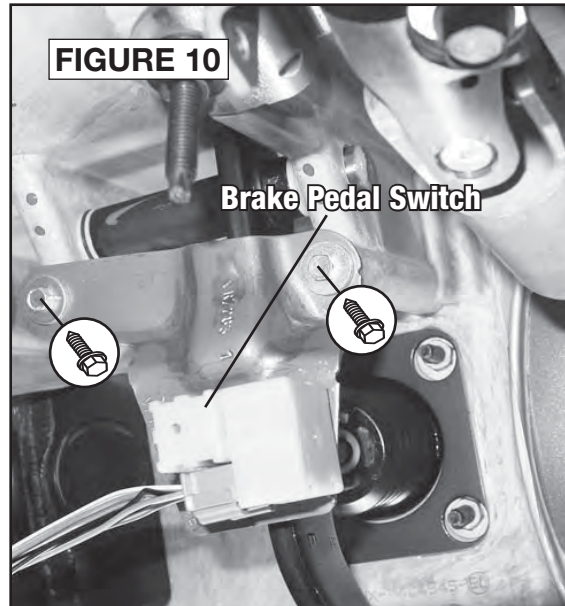
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Dash Speaker -- Driver's Side (continued)

9. Remove two (2) 8mm screws securing **brake pedal switch** to pedal bracket. Allow switch to hang (Figure 10). **Note: DO NOT DISCONNECT.**
10. Remove one (1) 7mm screw securing **courtesy light** to dash and allow light to hang by wiring harness (Figure 11).
11. Disconnect wiring harness on **speaker enclosure**. Work enclosure out of dash to remove (Figure 12).
12. Remove three (3) Torx T20 screws securing speaker to enclosure. Disconnect speaker harness and remove speaker (Figure 13).
13. Shave down plastic tabs on enclosure to ensure flush mounting of new speaker.
14. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure new speaker with screws previously removed.
15. Test speaker operation. Reinstall speaker enclosure and reassemble dash by reversing disassembly steps.



SAFETY CHECK

- Make sure courtesy light is secured properly.
- Test brake pedal switch operation.



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Dash Speaker -- Passenger's Side

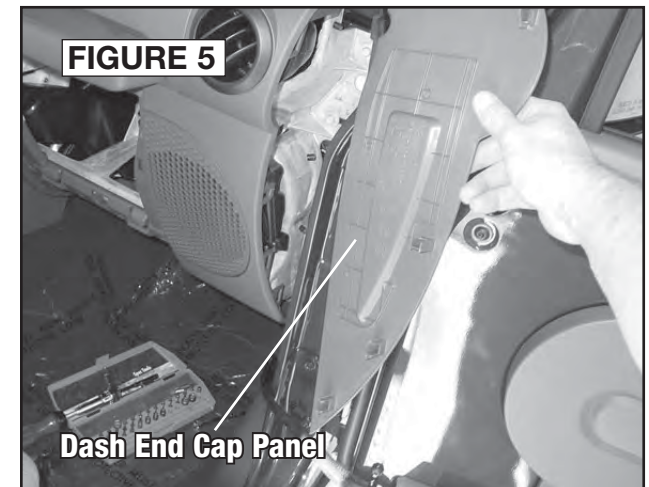
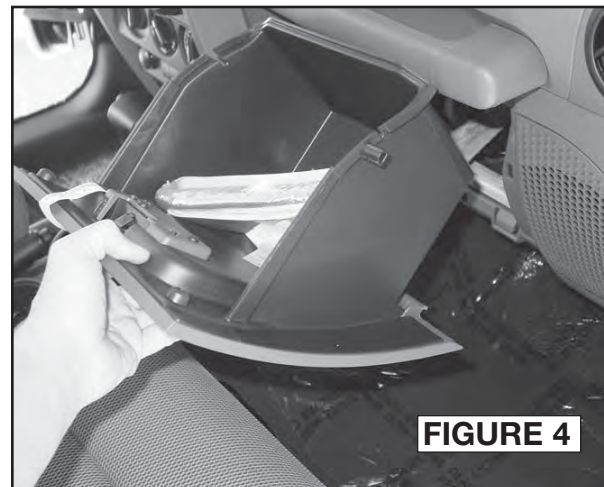
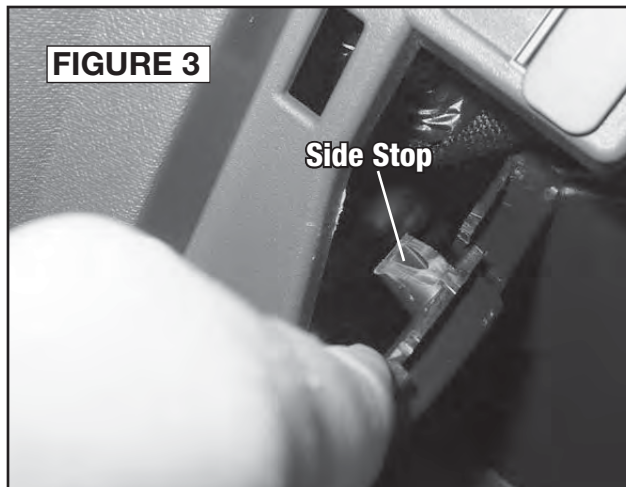
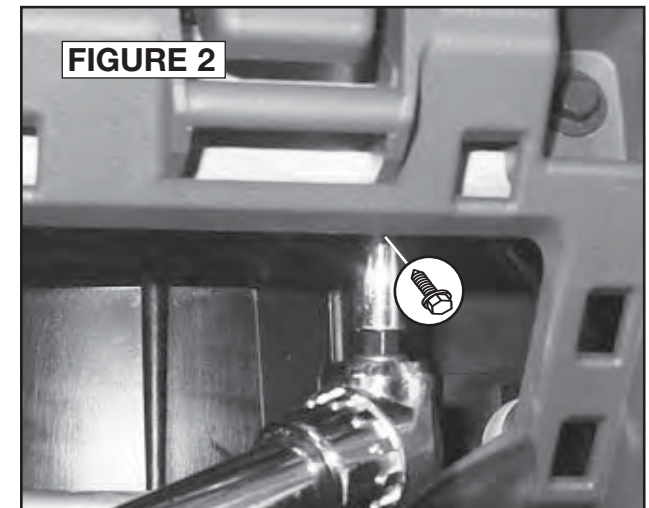
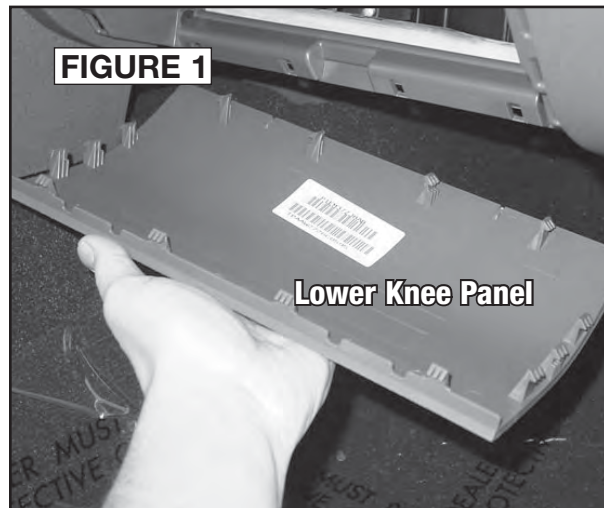
NOTES:

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 out **lower knee panel** to release clips and remove (Figure 1).
2. Remove one (1) 8mm screw exposed by removal of lower knee panel (Figure 2).
3. Open glove box, push in both **side stops** to clear dash, then lift glove box to remove (Figures 3 & 4).
4. Pull off **dash end cap panel** to release clips and remove panel (Figure 5).

Continued on the next page.



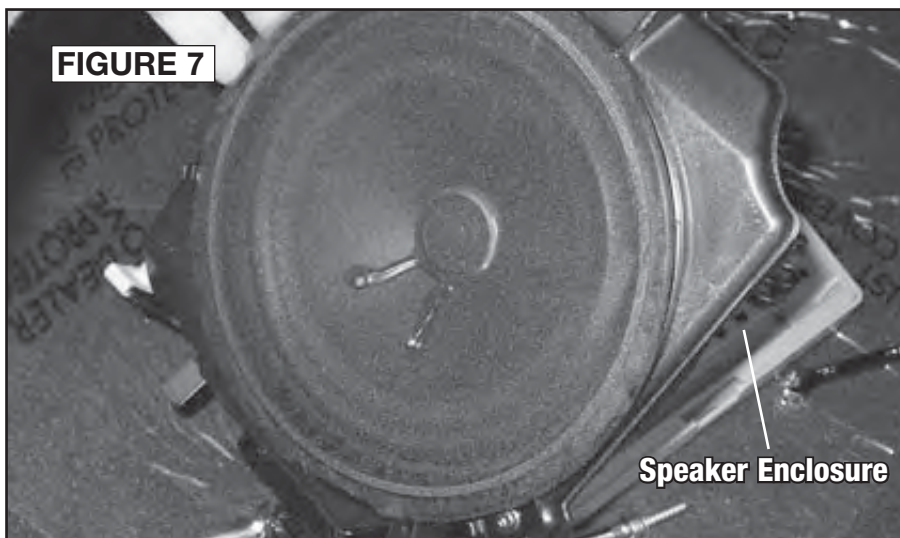
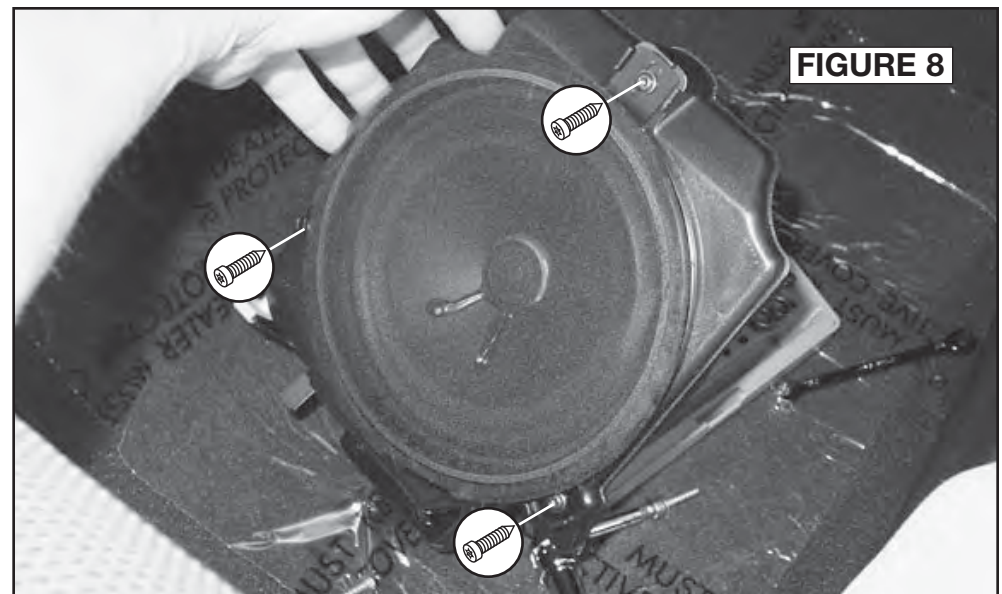
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Dash Speaker -- Passenger's Side (continued)

5. Remove two (2) 7mm screws exposed by removal of dash end cap (Figure 6).
6. Disconnect wiring harness on **speaker enclosure**. Work enclosure out of dash to remove (Figure 7).
7. Remove three (3) Torx T20 screws securing speaker to enclosure. Disconnect speaker wiring harness and remove speaker (Figure 8).
8. Shave off plastic tabs on enclosure to allow the new speaker to mount flush.
9. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker with screws previously removed.
10. Reinstall speaker enclosure. Test speaker operation and reassemble dash by reversing disassembly steps.



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Sound Bar Speakers

NOTES:

Please read first

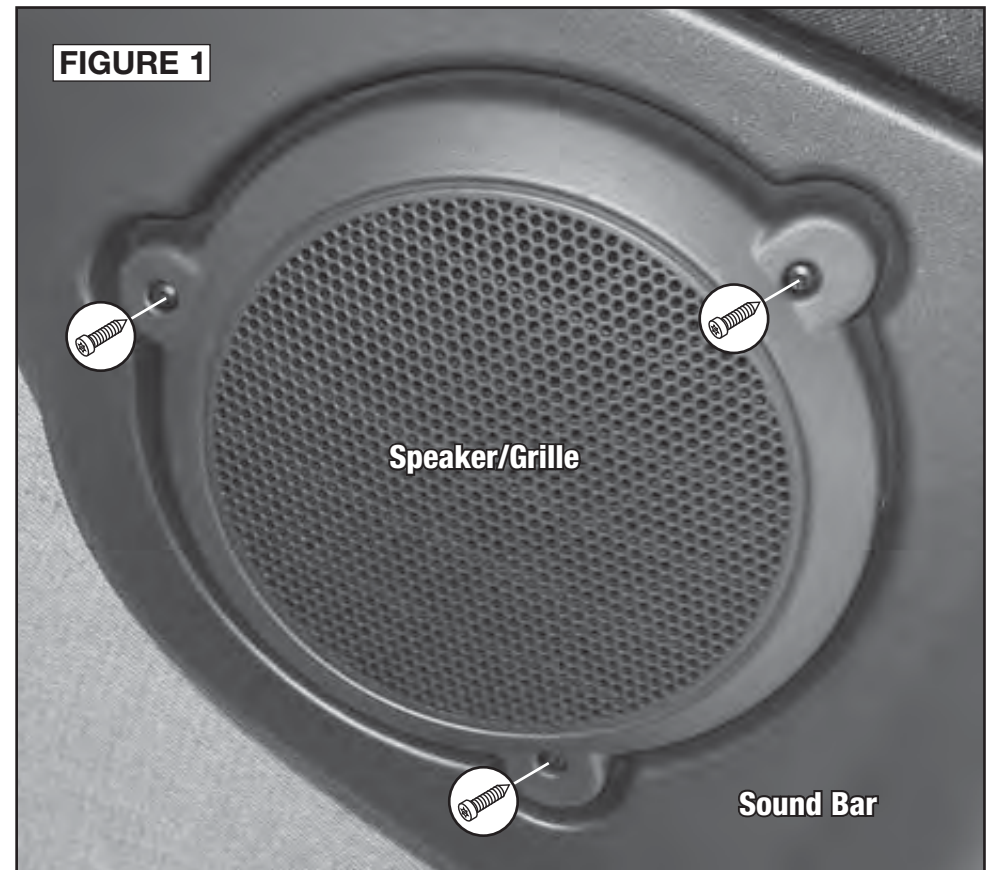
- Instructions show factory size speakers or speakers with adaptor brackets only. Cutting or fabrication (not shown) will be required for other speaker sizes.

1. Remove three (3) Torx T15 screws securing **speaker/grille** to **sound bar** (Figure 1).
2. Remove grille, disconnect speaker wiring harness and remove speaker (Figure 2).
3. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker and grille with screws previously removed.
4. Test speaker operation.

FIGURE 2



FIGURE 1



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Rear Subwoofer

1. Remove six (6) Torx T15 screws securing speaker/grille assembly to enclosure (Figure 1).
2. Remove grille, disconnect speaker wiring harness and remove speaker (Figure 2).
3. Place new speaker in location and mark new mounting holes. Remove speaker and drill holes with a 1/8" bit.
4. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness. Secure speaker to enclosure with hardware supplied with new speaker. **Note:** The factory grille will not work with the aftermarket speaker. A grille that is compatible with the speaker must be acquired (if desired).
5. Test speaker operation.

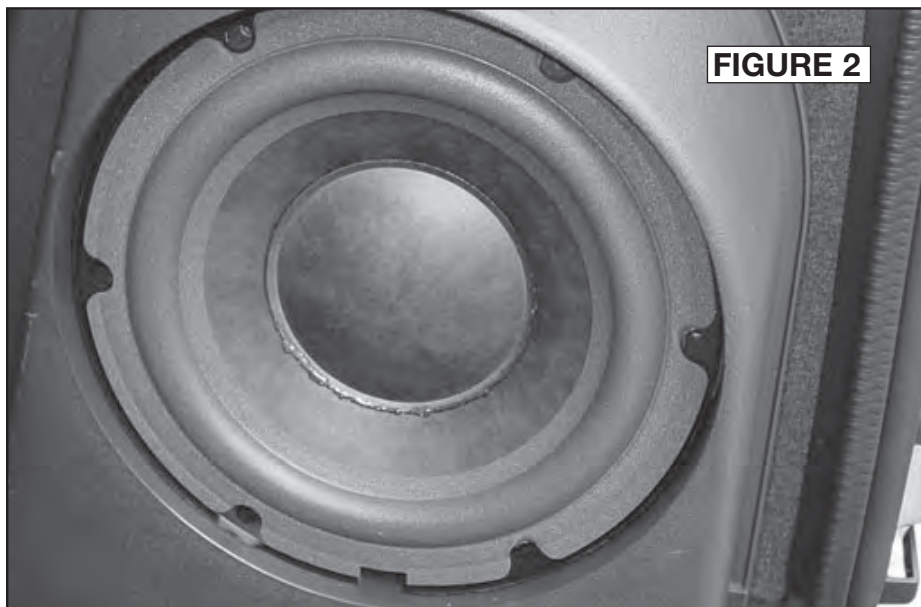


FIGURE 2

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.

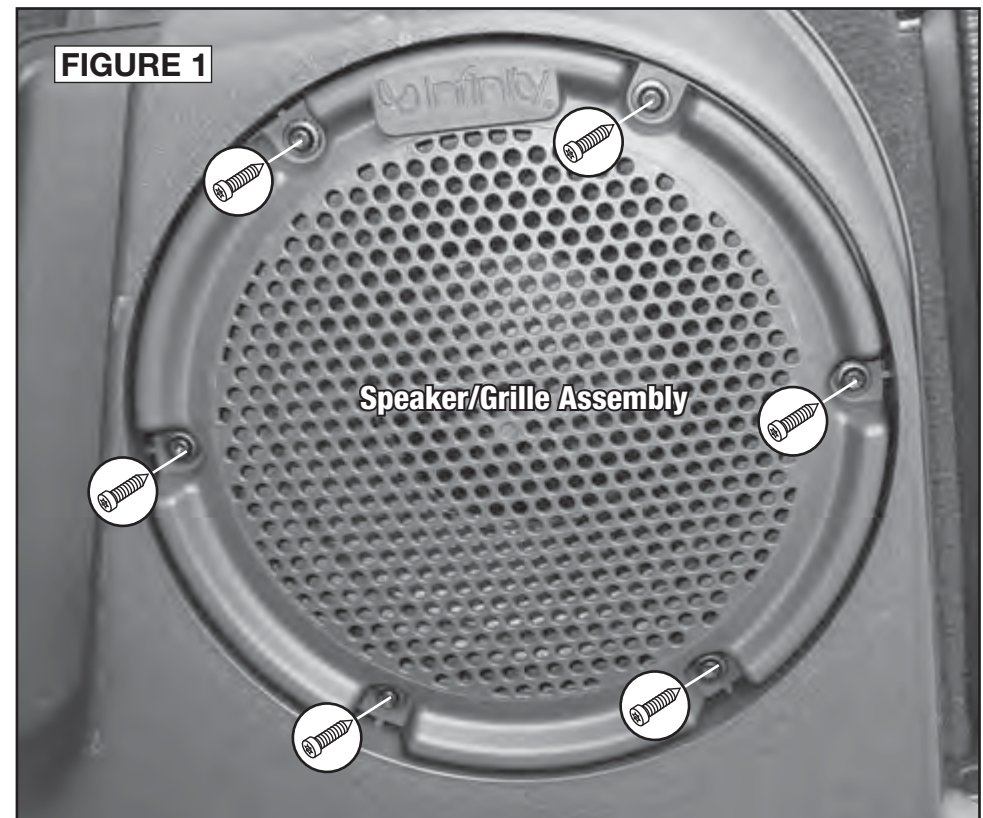


FIGURE 1

Speaker/Grille Assembly



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.



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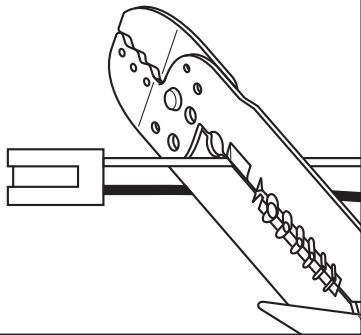
Wire Splicing Guide

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

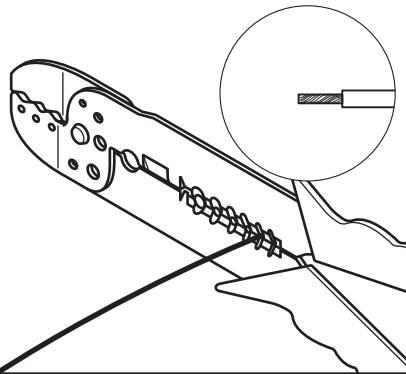
CRIMP METHOD

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

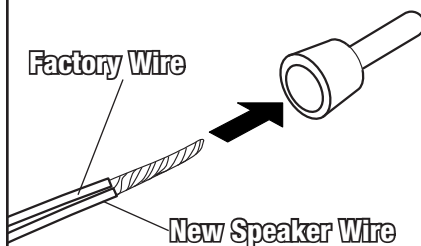
1. Cut factory wires behind factory speaker harness.



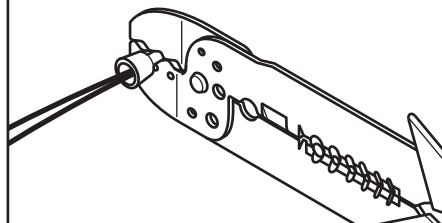
2. Strip end of each wire back 1/2".



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



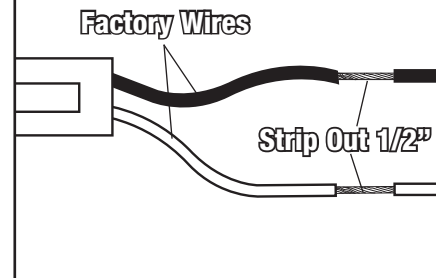
4. Squeeze middle of cap for tight connection.
5. Connect new wires to speaker with spade connectors.



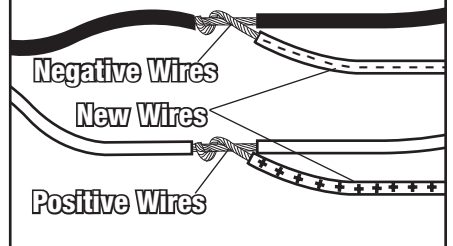
SOLDER METHOD

New speaker wires are spliced into factory wires behind harness.

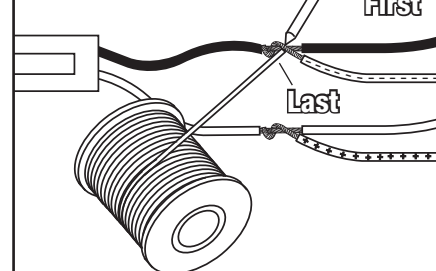
1. Carefully strip out a 1/2" section on each factory speaker wire behind the factory speaker harness.



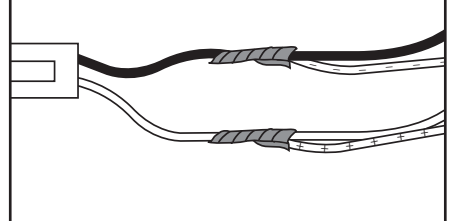
2. Twist wires from new speaker to stripped sections of factory wires as shown making sure polarity is correct.



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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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/dash tweeter	positive (+): gray/violet, negative (-): gray/yellow
Left front tweeter (with Infinity)	positive (+): gray/orange, negative (-): gray/yellow
Right front speaker/dash tweeter	positive (+): dark green/violet, negative (-): dark green/yellow
Right front tweeter (with Infinity)	positive (+): gray/dark green, negative (-): gray/light green
Left rear speaker	positive (+): gray/light green, negative (-): gray/dark green
Left rear speaker (with Infinity)	positive (+): black/white, negative (-): dark green
Right rear speaker	positive (+): dark green/light green, negative (-): dark green/gray
Right rear speaker (with Infinity)	positive (+): light blue, negative (-): dark blue
Subwoofer voice coil #1	positive (+): gray/brown, negative (-): dark green/brown
Subwoofer voice coil #2	positive (+): gray/white, negative (-): dark green/white
Vehicle speed sense ²	PCM ¹ , plug towards passenger side, pin 32 - dark green/brown
Reverse (+) ²	Passenger's kick panel, harness leading to rear of vehicle - white/gray
Parking brake ²	At parking brake switch, black 1-pin plug, pin 1 - dark green/white
Foot brake ²	At brake pedal switch, gray 6-pin plug, pin 6 - white/tan
NOTES: <ul style="list-style-type: none"> • If equipped with a factory amplifier, the amplifier will be located behind the driver's knee panel. • ¹PCM (Power Control Module) is located under the hood on the driver's fender. • ²These wires & functions may also be generated by the OEM integration interface that is used when replacing the radio. 	

