

MasterSheet

050 0022
Revision 09/21/10



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**.

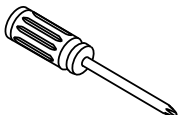
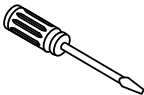
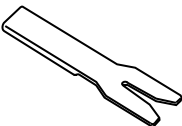

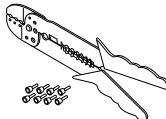
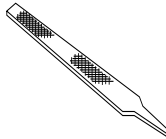
Although reasonable attempts are made to verify the accuracy of the information contained in this MasterSheet, it is presented without warranties or guarantees of any type due to the constantly changing nature of this type of information and running changes in vehicle production. Any person or entity 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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10	Wire Splicing Guide					✓	
		Phillips Screwdriver	Small Flat Blade Screwdriver	Panel Tool	Drill & 1/8" Bit	Wire Stripper & Crimp Caps	File
							

Tools Required ▶

* If you need additional wiring information, visit us online at 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 local dealership.

2009-
Subaru
Forester



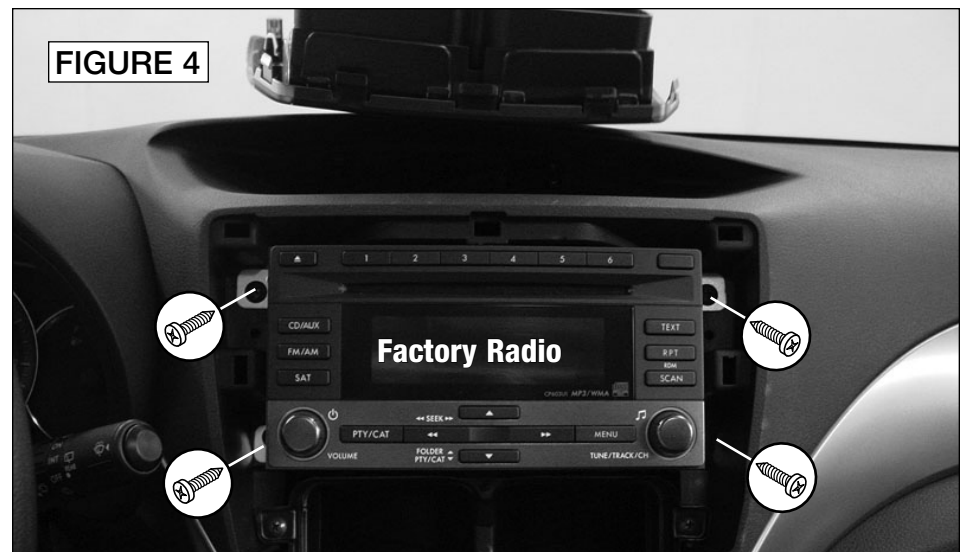
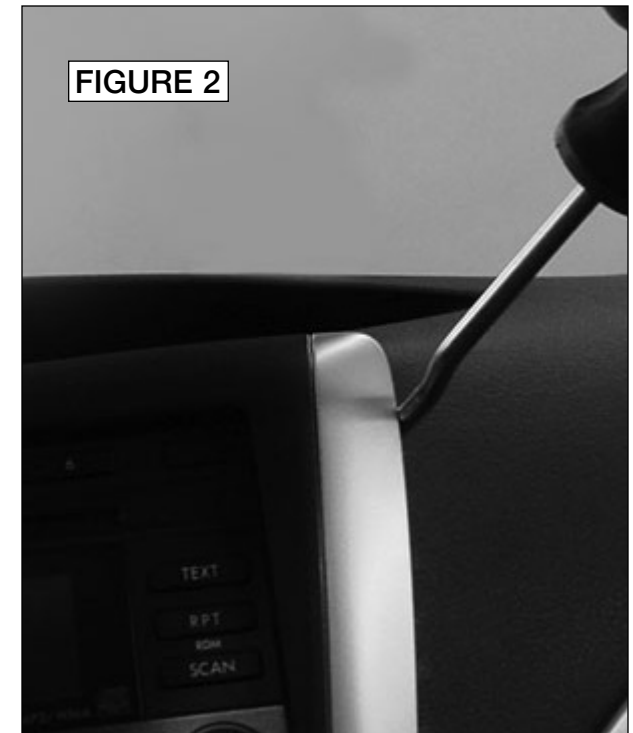
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Factory Radio Removal

1. Before proceeding, eject discs from factory unit if present.
2. Set parking brake and disconnect negative battery cable to prevent any electrical short.
3. Pry out receiver trimpanel to release clips and remove (Figures 1, 2 & 3).
4. Remove four (4) phillips screws securing factory radio. Pull out radio, disconnect and remove (Figure 4).



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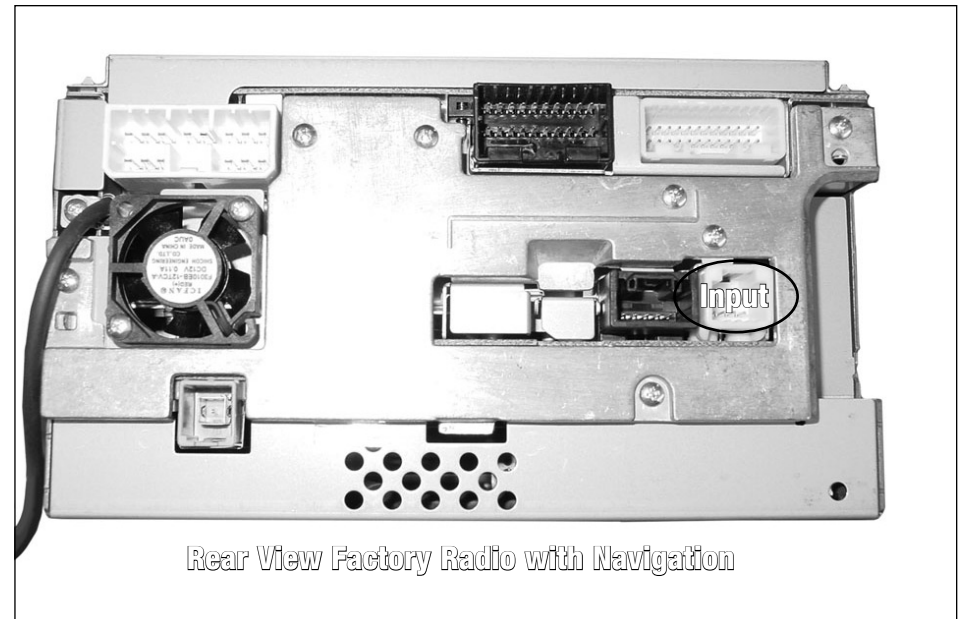
OEM Integration

This page addresses integrating aftermarket accessories such as CD Changers, Auxiliary Input Adaptors, iPod® Adaptors, etc., with a factory radio system.

1. Remove factory radio following instructions on the previous page.
2. Follow instructions supplied with the accessory device.
3. Connect optional adaptor to inputs as shown.
4. Test operation of the adaptor and reassemble dash by reversing removal steps.



Rear View Factory Radio without Navigation



Rear View Factory Radio with Navigation

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Receiver Installation

A standard DIN receiver 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 installation 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 and plug antenna lead into rear of receiver.
4. Slide assembly into dash and secure with screws previously removed.
5. Test operation and reassemble dash by reversing removal 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**.



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Front Door Speakers (Tweeters)

NOTES:

Please read first

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



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 tweeter.

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

1. Starting at the front edge, pry out “sail” panel/speaker grille to release one (1) clip (Figure 1).
2. Pull “sail” panel/speaker grille toward rear of door. Disconnect wiring harness and remove tweeter/grille assembly (Figure 1).
3. Carefully pry out tweeter to release three (3) clips and remove tweeter (Figure 2).
4. Fabricate a speaker mounting bracket and secure speaker to bracket. **Note:** It may be necessary to acquire mounting hardware.
5. Make speaker wiring connections following instructions on page 10. Return to this page to complete installation.
6. Secure tweeter/bracket assembly to “sail” panel and reinstall panel.
7. Test speaker operation.

FIGURE 1

“Sail” Panel/Speaker Grille



FIGURE 2

Tweeter



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Front Door Speakers (Woofers)

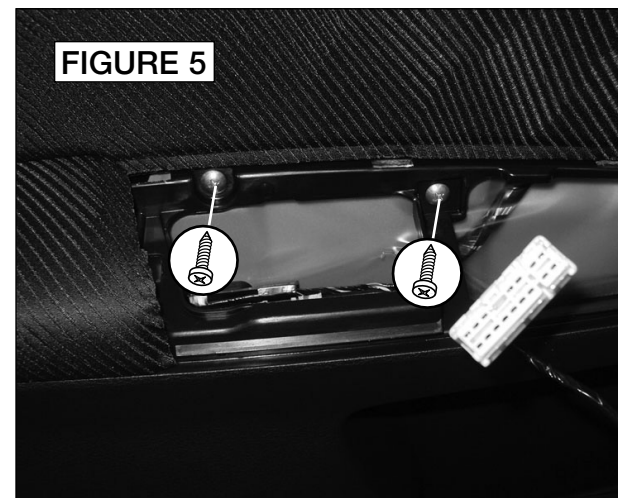
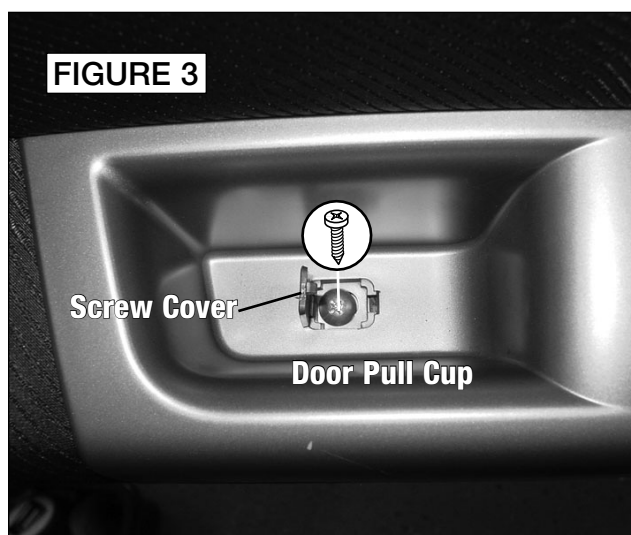
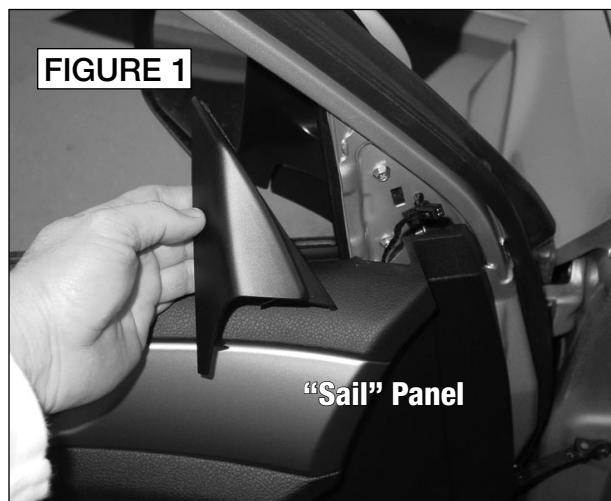
NOTES:

Please read first

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

1. Starting at the front edge, carefully pry out "sail" panel. Disconnect wiring harness, if present, and remove (Figure 1).
2. Pry open screw cover behind door release and remove one (1) phillips screw (Figure 2).
3. Pry open screw cover in door pull cup and remove one (1) phillips screw (Figure 3).
4. Using the front pry point, pry up power options switch panel to release clips. Disconnect wiring harness and remove panel (Figure 4).
5. Remove two (2) phillips screws exposed by removal of switch panel (Figure 5).

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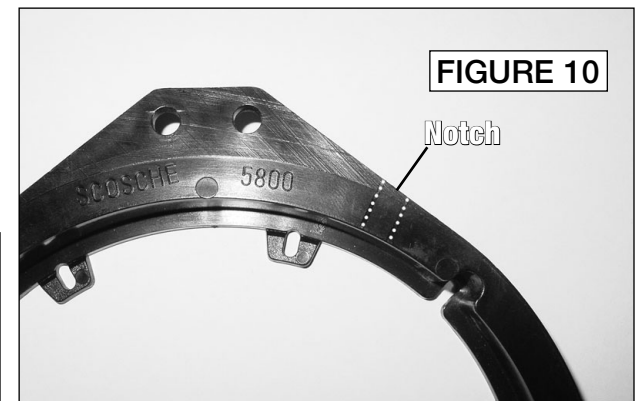
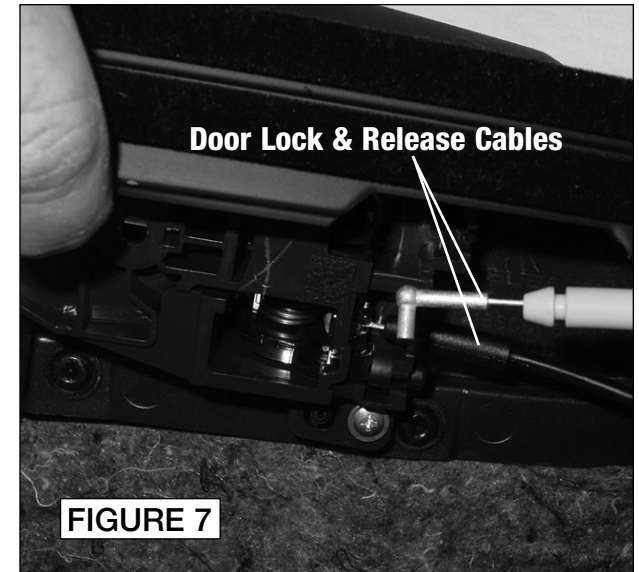
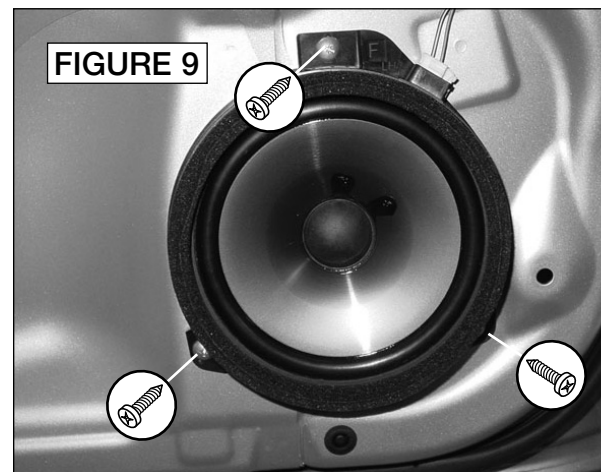
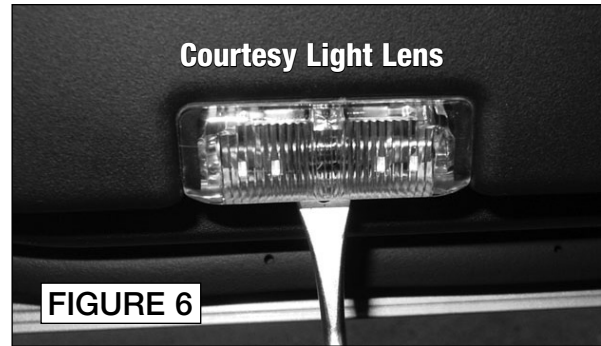
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Front Door Speakers

(continued)

6. Pry out courtesy light lens, disconnect and remove (Figure 6).
7. Pry out sides and bottom of door panel to release clips. Disconnect door lock and release cables. Remove door panel (Figures 7 & 8).
8. Remove three (3) phillips screws securing speaker. Pull out speaker, disconnect and remove (Figure 9).
9. Use a file to create a notch on the back of the speaker adaptor bracket to allow speaker wires to pass through the bracket (see location in Figure 10). Secure new speaker to adaptor bracket. **Note:** It may be necessary to acquire mounting hardware.
10. Place speaker/bracket assembly in location. **Note:** It will be necessary to drill one (1) mounting hole in order to install the assembly.
11. Mark hole location and remove assembly. Drill hole with a 1/8" bit.
12. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness passing wires through the notch in the adaptor bracket. Secure speaker/bracket assembly and test operation.
13. Reinstall door panel by reversing removal steps.



CAUTION:

Always be careful when drilling in a vehicle. 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

- 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 fabricating (not shown) will be required for other speaker sizes.

1. Starting at the front edge, carefully pry out "sail" panel and remove (Figure 1).
2. Pry open screw cover behind door release and remove one (1) phillips screw (Figure 2).
3. Pry open screw cover in door pull cup and remove one (1) phillips screw (Figure 3).
4. Using the front pry point, pry up power options switch panel to release clips. Disconnect wiring harness and remove panel (Figure 4).
5. Remove two (2) phillips screws exposed by removal of switch panel (Figure 5).

Continued on the next page.

FIGURE 1



FIGURE 2

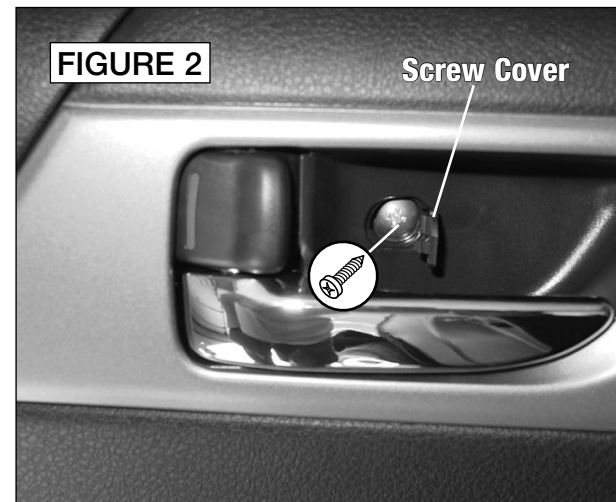


FIGURE 5

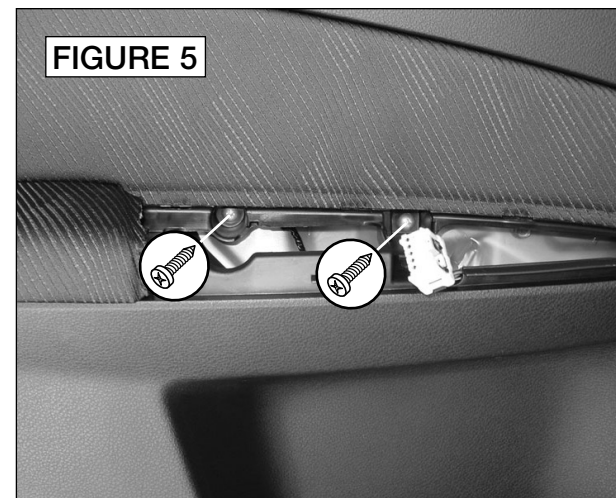


FIGURE 4



Screw Cover

Door Pull Cup

FIGURE 3



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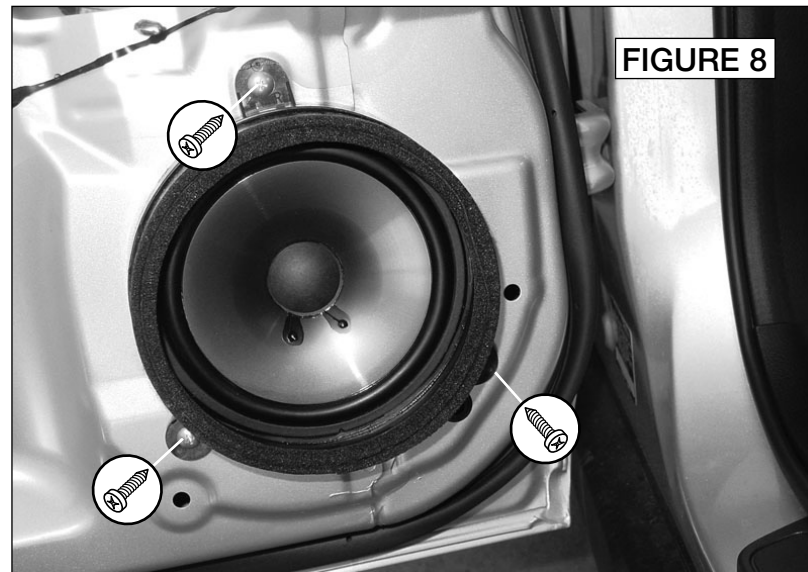
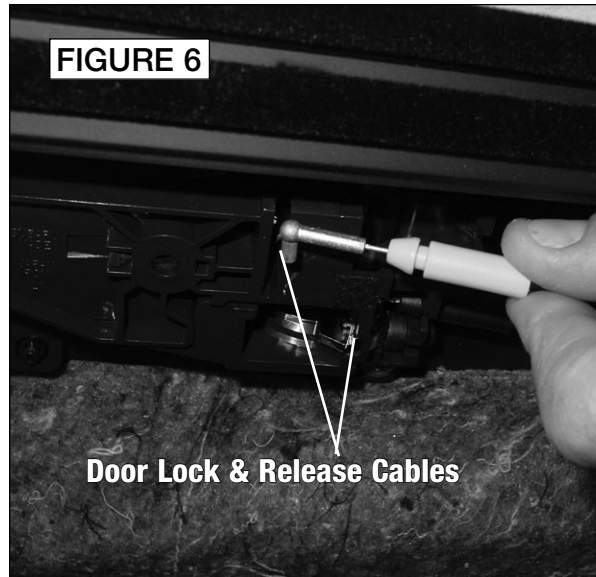
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Rear Door Speakers

(continued)

6. Pry out sides and bottom of door panel to release clips. Disconnect **door lock and release cables**. Remove door panel (Figures 6 & 7).
7. Remove three (3) phillips screws securing speaker. Pull out speaker, disconnect and remove (Figure 8).
8. Secure new speaker to adaptor bracket.
Note: It may be necessary to acquire mounting hardware.
9. Place speaker/bracket assembly in location.
Note: It will be necessary to drill one (1) mounting hole in order to install the assembly.
10. Mark hole location and remove assembly. Drill hole with a 1/8" bit.
11. Connect speaker wiring adaptor of replacement speaker to vehicle speaker harness.
12. Secure speaker/bracket assembly and test operation.
13. Reinstall door panel by reversing removal steps.



CAUTION:

Always be careful when drilling in a vehicle. 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

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



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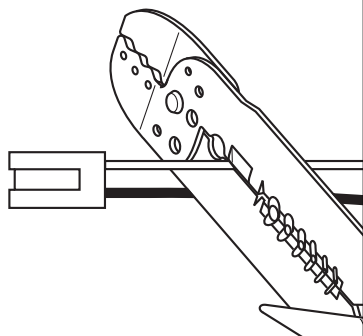
Wire Splicing Guide

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

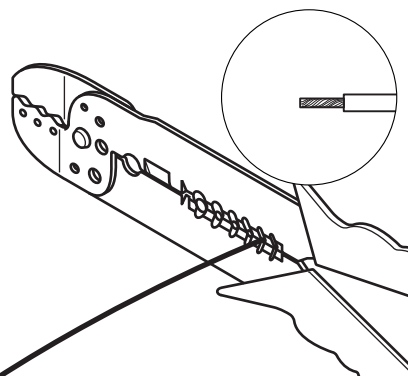
CRIMP METHOD

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

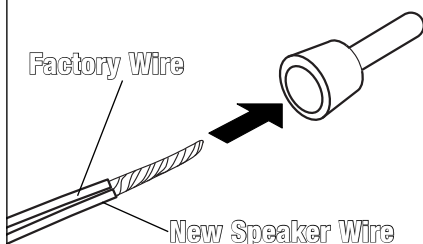
1. Cut factory wires behind factory speaker harness.



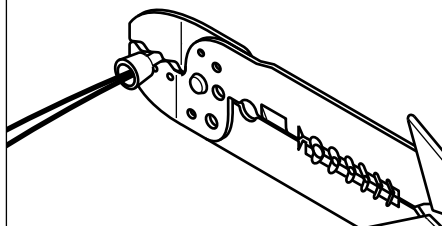
2. Strip end of each wire back 1/2".



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



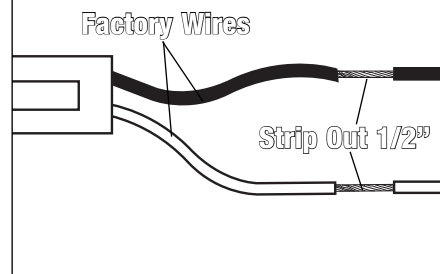
4. Squeeze middle of cap for tight connection.
5. Connect new wires to speaker with spade connectors.



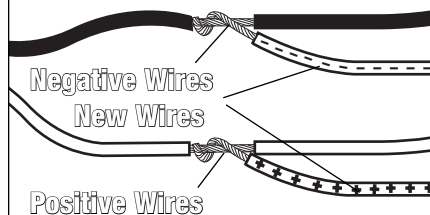
SOLDER METHOD

New speaker wires are spliced into factory wires behind harness.

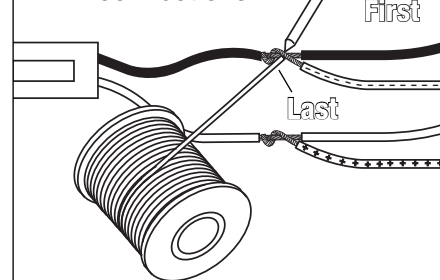
1. Carefully strip out a 1/2" section on each factory speaker wire behind the factory speaker harness.



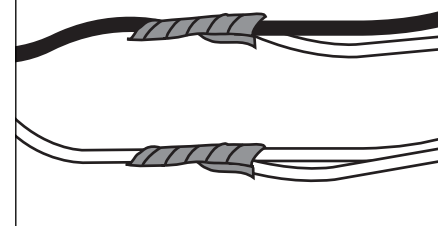
2. Twist wires from new speaker to stripped sections of factory wires as shown making sure polarity is correct.



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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