Tools Needed:
(depending upon vehicle)

As with any car audio/video installation, your first step is to disconnect the negative terminal of your car battery to prevent short circuits. Check your Crutchfield MasterSheet™ (available for most vehicles) or vehicle owner's manual for specific directions. In some vehicles, disconnecting the battery may require you to re-enter a security code or have the dealer reset the internal computer.
Installing Speakers: Easy and Effective

Installing new speakers is the single most cost-effective improvement you can make to your vehicle’s audio/video system. Not only are aftermarket speakers relatively inexpensive, they are usually not difficult to install, thanks to the free brackets, wiring harnesses, and detailed Crutchfield MasterSheet™ instructions (available for most vehicles) you get when you buy your speakers from us. Of course, each car is different, but let’s take a look at some of the more common speaker mounting locations, and what you might expect when installing speakers there.

Types of Installations

It’s helpful to think of speaker installation as falling into one of two categories:

1. Easy Fit
   This describes speakers that fit your factory speaker openings and use factory speaker grilles and brackets.

   Occasionally, you will need to use a special set of brackets or adapters to install these speakers in your vehicle.

2. Modify Fit
   These speakers require more extensive modifications such as cutting or filing metal, plastic, or pressboard. These installations are more complicated and require more tools and time.

CAUTION:

Always be careful when drilling or cutting in a vehicle. Be aware of things such as wiring, windows, fuel lines and safety devices. Check drilling/cutting depth and location to avoid damage to vehicle appearance.
Replacing Dash Speakers

Although they can be tough to reach occasionally, most dash speakers are small and relatively easy to replace. In some vehicles, all you need to do is remove the grilles, which are usually held down by screws or friction fittings. If your grilles use friction fittings (you’ll know because there won’t be any screws evident), carefully pry them up from the edges. To avoid marring or cracking the surrounding area, put a broad, flat item (like a panel tool or putty knife) underneath the tool you’re using to pry up the grille.

Other vehicles, however, require that you remove the entire dashboard panel to access the connections. Fortunately, most dash panels are held in place by just a few screws. Once you’ve removed the screws, carefully pull off the panel, making sure you don’t catch any wires or ducts in the process. You’ll find an offset screwdriver or stubby Phillips screwdriver useful to get at the screws near the windshield.

Remove the old speakers and make sure to note the polarity of each terminal. The speaker's positive terminal is the larger of the two, and is usually marked with a “+” or a colored dot. If your speakers came with a Crutchfield wiring harness, use it to connect to your factory wiring. If not, you’ll want to crimp or solder the connections from your new speakers to the wiring in the vehicle. Don’t secure the wires with electrical tape, which can deteriorate rapidly because of the temperature extremes in your car. It’s also a good idea to test the speaker to be sure everything works before you secure it tightly and put the dash back in place.

Most dash speakers are small and relatively easy to replace.
Replacing Door Speakers
Doors are the most common location for car speakers and, in many cars, the speakers found there are fairly easy to replace. Most late-model cars have a notch at the bottom of the speaker grille. Simply insert a screwdriver into this slot, pop out the grille, and remove the factory speaker. In some cars you may only need to remove a few screws to get the grille out of the way.

In still others, though, you'll have to remove the entire door panel to get the factory speaker out. Your Crutchfield MasterSheet™ (available for most vehicles) will walk you through the specific procedure for your vehicle, but it's generally a straightforward process.

Start by removing the window crank handles. Some are secured with a screw at the pivot point — usually hidden by a piece of snap-on trim — while others are held in place with a spring clip around the base. Crutchfield carries an inexpensive tool to help remove this clip, but it can be done with a small flat-blade screwdriver (use a shop rag to prevent scratching the crank). Depress the surrounding door panel, look behind the window crank, and rotate the handle until you can see the ends of the spring clip. Gently push it off with the screwdriver or tool. (The clip will pop off, so keep a close eye on it.) After removing the crank, take off the armrest (usually held on by a few screws), and the trim that fits around the handle. The only thing holding the door at this point should be the friction fittings around the edge of the panel and a few more screws.

With the screws removed, start at a bottom corner and pull the panel corner straight out. Use a panel tool around the fittings to pry out the panel. Try not to pull so hard as to break one of the friction clips. Once a corner is loose, work across the bottom and up both sides. The panel should now be hanging by the trim that hangs off of the window well. Lift straight up and it should come free.

SAFETY CHECK
✓ Check that wires do not interfere with window operation.
✓ Test window and door lock operation.
Rear Deck Speakers
Installing rear deck speakers presents many of the same challenges as door speakers. In many cases the grilles on the rear deck can be easily pried up or unscrewed. Other times, they can be removed from underneath, via the trunk.

In some cars, however, the entire rear deck panel must be removed to access the speakers. Often, this means removing the rear seat to access the deck panel. (Some seats are bolted in place, while others pop in and out.) With the seat out, you should be able to pry up the rear deck and work with the speaker openings in the same fashion as door or dash mounting locations.

Tech Tips

- Speakers are classified as a fit if they meet the size and shape of the factory speaker opening. Speaker screw holes may not line up exactly with factory holes. A mounting bracket or drilling may be required to match screw hole patterns.

- Select Infinity speakers are supplied with a metal mounting bracket. In some vehicles, the metal bracket must be used along with mounting brackets that Crutchfield supplies.

- If using a supplied speaker mounting bracket, speed clips will need to be used to mount the speaker to the bracket. This is done by spreading the clips apart and sliding them over the screw holes on the bracket. The clips provide a thread for the screws to go into.

SAFETY CHECK

- Check that wires do not interfere with window operation.
- Test window and door lock operation.
- Make sure seats and seat belts are secured to manufacturer’s specifications.
- Check brake light wiring connection and test operation.