

How to: Install the HomeLink equipped Sun Visor into a 2005 Subaru Legacy/Outback (2.5i, 2.5GT, 2.5XT or 3.0R)

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The following should be performed at your own risk; I've created these instructions as a courtesy but will not be held responsible if you damage your car.

The Homelink equipped sun visor comes standard in the 2005 Outback VDC Limited and is not available on any of the other Legacy models. I already had the standard Auto-Dimming/Compass Mirror and didn't want to buy a new one just to get the Homelink feature, plus I like the cleaner look of the control panel on the visor instead.

The visor out of the '05 Outback VDC Limited with HomeLink is the same color as the Legacy GT's, has the exact same dimensions and the lighted vanity mirror. The only noticeable difference is the three button Homelink controller on it. It is P/N: 92011AG52AOR and retails around \$210.00 from your local dealer. I got mine from Mastro Subaru in Tampa, FL. (<http://www.mastrowrx.com>)



To get started you will need a few tools:

- #2 Phillips Screwdriver
- 2 Standard (Flat Head) screwdrivers (1 small, 1 medium)
- Soldering Iron & Solder
- Wire Cutters / Strippers
- Small & Medium Heat Shrink Tubing (1-piece each, 3/4" long)
- Electrical Tape

First you need to remove the OEM Sun Visor. Using the small standard screwdriver, remove the cover from the sun visor mount, be careful not to scratch the plastic.



Now you will have access to the two screws holding the visor in place.



Using the #2 Phillips Screwdriver remove both the screws with one hand while holding the visor in place with the other. Once both the screws are out, gently pull the visor away from the roof. You will see the harness for the lighted vanity mirror, unplug it so you can remove the entire sun visor.

You will notice the OEM sun visor has a two-wire harness compared to the HomeLink Visor's three-wire harness and they both have different style plugs.



This isn't a problem, we'll just use the two-wire black harness off the OEM visor and attach it to the new Homelink visor so it will plug back in to the factory harness in the roof.

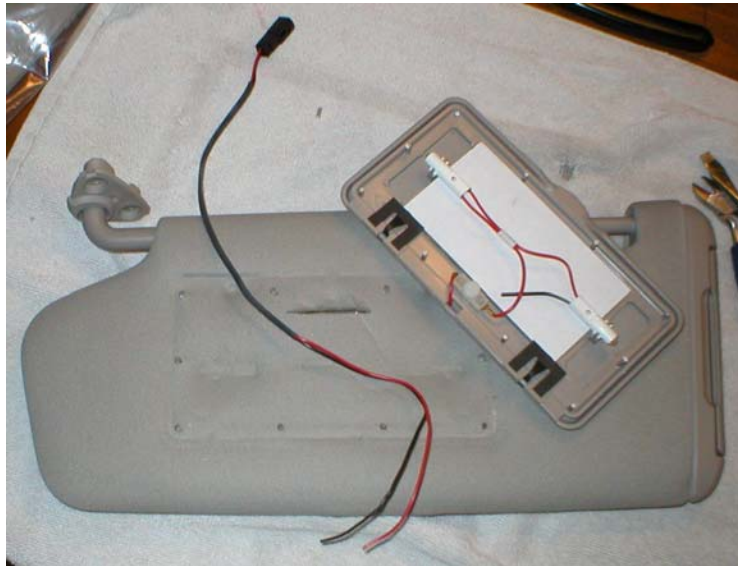
Start with the OEM visor:

Warning the following step will damage the OEM sun-visor.

Using a Standard tipped screwdriver pop the mirror off the inside of the visor.



Using the wire cutters, cut the red and black wires to separate them from the visor lights, and then pull the two-wire harness with the black plug on the OEM mirror out of the visor.



Cut the wire to about 4" off the harness, then strip the red and the black wire back about 1/8".

Move on to the HomeLink visor:

Using the wire cutters, cut the three-wire harness with the white plug on the HomeLink visor as close to the white plug as you can (so again, you have as much wire to work with as possible).



Strip the red, the black wire and the orange wire back about 1/8".

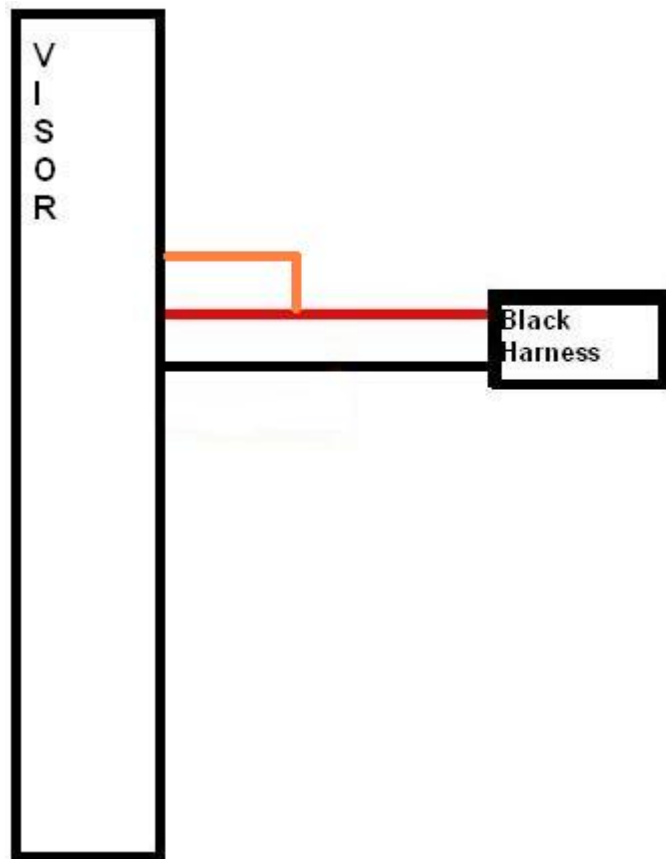
Using the black harness plug and the HomeLink Visor, connect the following wires by soldering. Then protect and insulate the connection with the heat shrink tubing.

Wire Connections: *

Mirror - Black Harness Plug

Red & Orange to Red (= 12v Switched Ignition)

Black to Black (= Ground)



Wrap the wiring with electrical tape for protection.



Install the HomeLink Visor by reversing the removal steps above (Removing the OEM visor).



With the ignition "On" or set to "Acc" you can test the vanity Mirror by opening it, lights should come on. Test the HomeLink by pressing any of the buttons, the red indicator should light up.

Follow the instructions in the Owners Manual to program your new HomeLink Visor.

** Wiring the HomeLink Visor as shown above will only allow the Visor to operate when the ignition is turned to the "On" position with the key. This is the recommended install for maximum security with HomeLink systems as without the key, an intruder would not be able to operate your HomeLink accessories (Garage Door, Gate, Lighting, etc.). The HomeLink Visor retains its memory when the power is removed (via EPROM).*

If you prefer to have the HomeLink Visor work all the time (ignition on or off), you can modify the wiring to accomplish this very easily.

Like this:

Visor - Harness

Red Wire to Red Wire (12v Switched Ignition)

Orange Wire to Constant 12v (The map lights in the headliner have a constant power source)

Black Wire to Black Wire (Ground)

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