

# How-To Install An Aftermarket Deck 2006 Hyundai Sonata

## Foreword

This tutorial assumes you have a basic knowledge of the car and/or cars in general. Please use this at your own discretion and always use your best judgment. Please read over the entire tutorial before starting the procedure.

## SAFETY NOTE

It is always best to disconnect the negative terminal from the battery before proceeding with any electrical work.

## Required Tools

- Dash Disassembly
  - Phillips Head Screw Driver
  - Dash/Door/Trim removal tools –recommended–
- Deck Hookup And Install
  - Electrical tape
  - Solder
  - Soldering iron
  - Wire cutters
  - Wire strippers
  - Adapter harness (FD23 / FD23B)
  - Adapter fascia (BKHY1609B)
  - (T) taps –if you're a taper–
  - Disconnects & crimper –if you're a taper–

## Thoughts & Thanks

This is by far the most work I've ever had to put into a deck installation. By work I mean research. I'm used to just soldering up a harness and being on my way. The Sonata gave me a run for my money and thankfully the people at:

- [www.hyundai-forums.com](http://www.hyundai-forums.com)
- [www.avic411.com](http://www.avic411.com)
- [www.hmaservice.com](http://www.hmaservice.com)

I was able to get all the information I needed for a successful installation.

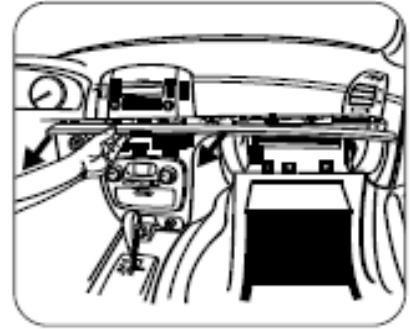
If you need any help or have any questions feel free to message me at the first two websites listed above at user "scrupulous" and I will try my hardest to help you out!

## Removing The OEM Radio

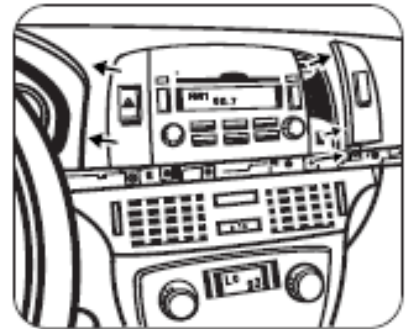
Open glove box and remove (2) Phillips screws from top edge of glove box opening and bottom edge of wood trim below radio.



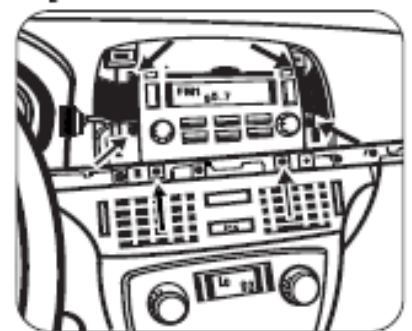
Unclip and remove wood trim from below radio and above glove box.



Remove (1) Phillips screw per side panel next to radio then unclip and remove the side panels.



Remove (6) Phillips screws from radio to extract from sub dash.



Thanks to METRA for the graphics and text

## Dealing With The Wiring Harness

The Sonata uses a FD23/FD23B wiring harness and for the most part is plug-and-play like most other stereos with one exception; the lead (wire) that turns the radio amp on isn't pinned correctly. This wire is commonly referred to (on the Hyundai-Forums.com website) as the "Frog Wire" as it is green and has a silver stripe. Unfortunately there is another wire that is identical to this one and can be confusing; read on.

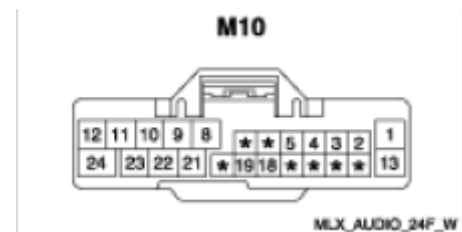
This means you have two options:

- 1) Splice into the factory wire
- 2) Relocate an unused wire and pin from the harness adapter to the correct location (this is what I did)

No matter which you choose you need to know which wire is the correct one.

This is what the factory end of the radio harness looks like. The wire we want is in pin 24, that's the bottom left pin.

Now you know which wire is the "Frog" and can proceed as you wish.



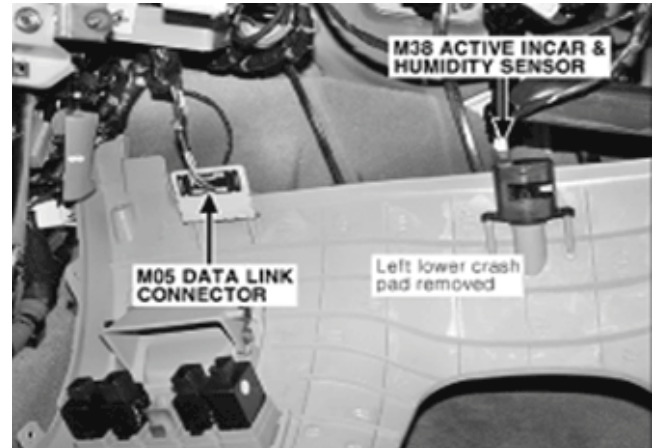
**Thanks to [hmaservice.com](http://hmaservice.com) for the graphics**

## How Fast Are We Going?

If you are installing an aftermarket navigation deck like I did you might be looking for the VSS or Vehicle Speed Sensor location.

Well “luckily” it’s easy enough to find if you know where the ODBII port is on the car.

If you don’t look under the drivers’ side dash and there’s a connector just hanging out in a metal bracket.



This is what the factory end of the ODBII or as it’s commonly referred to as the Data Link Controller (DLC) looks like.

You’ll want to pull your VSS pulse signal from pin 6.

Thanks to [hmaservice.com](http://hmaservice.com) for the graphics

