



# RADIO REPLACEMENT W/SWC RETENTION FOR FORD, LINCOLN, MERCURY VEHICLES 2005-2012

## SWRFD-60

### FORD

- 2007 - 2010 Edge
- 2008 - 2012 Escape
- 2007 - 2012 Expedition
- 2006 - 2010 Explorer
- 2007 - 2010 Explorer Sport Trac
- 2009 - 2012 F-150
- 2008 - 2012 F-250
- 2008 - 2012 F-350
- 2008 - 2012 F-450
- 2005 - 2007 Five Hundred
- 2008 - 2011 Focus
- 2006 - 2007 Freestyle
- 2006 - 2012 Fusion
- 2005 - 2012 Mustang
- 2008 - 2012 Taurus

### LINCOLN

- 2009 - 2011 MKS
- 2007 - 2010 MKX
- 2007 - 2010 MKZ
- 2007 - 2012 Navigator
- 2006 - 2006 Zephyr

### MERCURY

- 2007 - 2010 Mariner
- 2006 - 2010 Milan
- 2005 - 2010 Montego
- 2006 - 2010 Mountaineer
- 2008 - 2009 Sable

We recommend reading this installation guide first before starting any work. Following these instructions from "Start" to "Finish" will ensure a smooth and hassle free installation. We offer telephone support M-F 9:00 AM - 5:00 PM PDT at 1 (855) 822-1348. We are here to help.

### PARTS INCLUDED:

- (1) FD-60 Analog SWC Interface Module
- (1) FD-60 Digital SWC Interface Module
- (1) FD-60 24-Pin Harness
- (1) FD-60 Sub Harness
- (1) Instruction Sheet

### PRECAUTIONS:

- Remove the negative side of the battery to avoid any short circuits during the installation.
- Do not install the interface near any major components or near the HVAC system. This may cause damage or overheating to the vehicle.

### PRELIMINARY:

Please read the entire manual before installing this interface.

Before installing this interface please review the options before removing the factory radio. Some options may need to be adjusted prior to removing the factory radio.

## WIRING COLOR CODES

Black	= Ground
Red	= Accessory (2A Max)
Yellow	= Constant
Orange	= Illumination (100mA Max)
Blue/White	= Antenna Turn-On
White	= Left Front (+)
White/Black	= Left Front (-)
Gray	= Right Front (+)
Gray/Black	= Right Front (-)
Green	= Left Rear (+)
Green/Black	= Left Rear (-)
Purple	= Right Rear (+)
Purple/Black	= Right Rear (-)
Red/Black	= VSS
Red/White	= Reverse
Blue/Yellow	= SWC for Kenwood

## SWC 4-PIN CONNECTORS

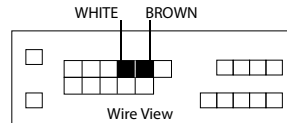
The module allows for both type of SWC connections:  
 Option A is used for the Alpine, Clarion, JVC, and Kenwood units. (Blue/Yellow wire attached)  
 Option B is used for the Pioneer, and Sony units. (See Overview)

Select the proper harness type for your aftermarket radio and connect the 4-pin molex to its proper connection.

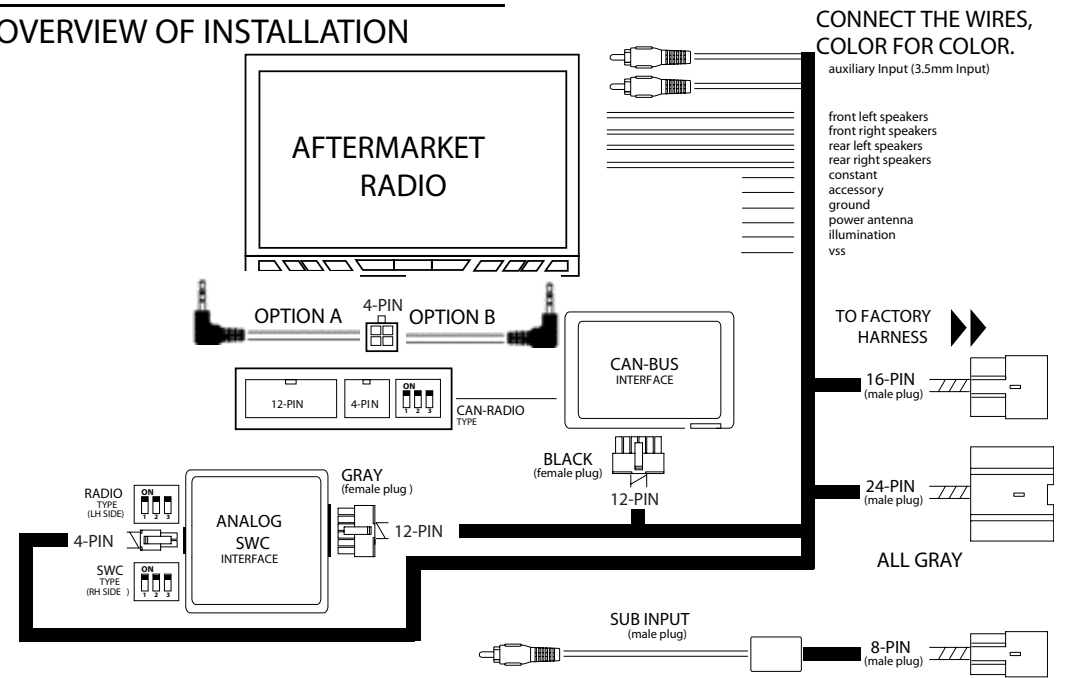
### DETERMINE IF THE VEHICLE IS ANALOG

For the vehicles that have a BROWN and WHITE connection on the factory connector side, the SWC signal must come from the analog swc module.

Set dip switches accordingly.



## OVERVIEW OF INSTALLATION



## SETTING THE RADIO TYPE

This step is done on the module and only needed if the vehicle has steering wheel controls and you are installing one of the listed radios. With the key in the off position set the dip switches. If analog the switches are set on the analog module.

RADIO TYPE:	DIP: 1	2	3
Pioneer/ Sony/ Jensen	OFF	ON	ON
Alpine	OFF	OFF	OFF
Clarion	ON	ON	OFF
Kenwood	ON	ON	ON
JVC	ON	OFF	ON
Blaupunkt	ON	OFF	OFF



## ANALOG SWC CONNECTION

If your vehicle is analog you will need to set both dip switches on the Analog module. Both the stereo type and the connection types need to be set on this module.

- Type 1: Vehicles with 4-Button: Vol +/ Vol -/ Memory/ Media
- Type 2: Vehicles with 4-Button: Vol +/ Vol -/ Next/ Media
- Type 3: Vehicles with 5-Button: Vol +/ Vol -/ Seek +/ Seek -/ Media
- Type 4: Vehicles with 6-Button: Vol +/ Vol -/ Seek +/ Seek -/ Media/ Mute

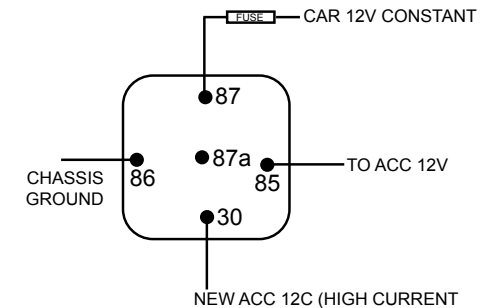
RADIO TYPE:	DIP: 1	2	3
Ford Type 1	OFF	OFF	OFF
Ford Type 2	OFF	OFF	OFF
Ford Type 3	OFF	OFF	ON
Ford Type 4	OFF	OFF	ON



## USING A RELAY

The module has been rated for up to 2A max of output. For applications demanding a continuous output of 3A or more, we recommend using a standard BOSCH (SPDT) relay. See your local car audio specialist.

Below is a diagram on how to install the BOSCH relay.



## INSTALLATION TIPS

1. Choose the correct interface for your vehicle (Analog or Digital)
2. Test the radio for power, turn the key to the "ON" position and confirm that the new radio is getting power. If no power, please revise your wiring connections with multi-meter, available at your local dealer

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