



**CR4000SW**

**FACTORY STEREO REPLACEMENT INTERFACE  
WITH STEERING WHEEL CONTROL RETENTION FOR  
2004-UP SELECT CHRYSLER, DODGE & JEEP VEHICLES  
(CAN Bus Data System)**

**PRELIMINARY**

Congratulations on your purchase of the **CR4000SW** Car Stereo Replacement Interface. This interface with harness will allow you to replace your factory stereo and retain important power, communication and diagnostic functions in your vehicle. The interface will also retain steering wheel controls (if equipped) when using a compatible aftermarket stereo.

If you have any further questions, or need dash disassembly instructions, call our TOLL-FREE number:  
**TECHNICAL HELP line 1-800-363-4490 x1**

## **WHY YOU NEED THIS PART:**

Your factory stereo is an integral part of your vehicle's data and communication systems. If the stereo is removed without the proper installation accessory, some functions of your vehicle will be LOST including:

- +12V accessory power at stereo's location
- R.A.P. (Retained Accessory Power) feature
- Remote Turn-on for factory premium (digital) sound systems
- Communicates proper command signals with host computer during vehicle service or diagnostic operations (SEE NOTE)
- Steering wheel audio controls (if equipped)

**NOTE:** Your vehicle's ECM (Electronics Control Module) may store an error code if operated without the factory stereo installed and you may experience difficulty when having the vehicle serviced at the dealership. The **CR4000SW** Interface module / harness will allow you to REPLACE the factory stereo and RETAIN the original power and communication signals.

### ***BEFORE BEGINNING: READ THIS INSTRUCTION MANUAL***

**\*\*CAUTION\*\*:** Disconnect negative battery terminal to avoid short circuits. Read ALL manufacturers warnings regarding air bags and electrical systems in your vehicle. We recommend the use of a volt-ohm meter or computer-safe LED probe when checking wiring. A test light or grounded light probe if used improperly can cause damage to the vehicle's computer and/or diagnostic system.

**NOTE:** We recommend the **CJ2086A** Car Stereo Installation Kit for mounting your aftermarket car stereo and a **TK12A** car stereo tool kit.

## VEHICLE APPLICATIONS:

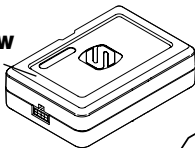
MAKE/MODEL	YEAR	HARNESS	MAKE/MODEL	YEAR	HARNESS	VEHICLES WITH FACTORY AMPLIFIED SOUND SYSTEMS:
<b>CHRYSLER</b>			<b>DODGE (cont'd)</b>			The factory system accepts two channel audio only. The factory amplifier fading is controlled by data communication from the factory radio. Therefore, the aftermarket radio will <b>not</b> have the capability to control the factory amplifier. Please connect the front outputs of the aftermarket radio to the rear inputs of the 22-pin Scosche connector. This will allow <i>Bluetooth</i> hands-free audio and navigation voice prompts to be heard. The rear speaker outputs of the aftermarket radio will not be used. The factory amplifier BALANCE and FADER is set to center by the interface.
200/Convertible	2011-14	B	Journey	2009-10	B	
300	2008-10	B	Magnum	2008-09	B	
300/C	2005-07	A	Magnum	2005-07	A	
Aspen	2008-10	B	Nitro	2007-10	B	
Aspen	2007	A	Ram/Mega Cab	2009-12	B	
Sebring/Convertible	2007-10	B	Ram/Mega Cab	2006-08	A	
PT Cruiser	2006-10	A	<b>JEEP</b>			
Town & Country	2008-16	B	Commander	2008-10	B	
<b>DODGE</b>			Commander	2006-07	A	
Avenger	2007-13	B	Compass	2009-16	B	
Caliber	2009-12	B	Compass	2007-08	A	
Caliber	2007-08	A	Grand Cherokee	2008-13	B	
Caravan	2008-16	B	Grand Cherokee	2005-07	A	
Challenger	2009-13	B	Liberty	2008-12	B	
Charger	2008-10	B	Patriot	2009-16	B	
Charger	2006-07	A	Patriot	2007-08	A	
Dakota	2008-10	B	Wrangler/Unlimited	2007-16	B	
Durango	2011-12	B	<b>MITSUBISHI</b>			
Durango	2008-09	B	Raider	2008-09	B	
Durango	2004-07	A	<b>VOLKSWAGEN</b>			
			Routan	2009-14	B	

# CR4000SW OVERVIEW

## WIRES FOR AFTERMARKET STEREO

See wire color codes and  
wiring diagram.

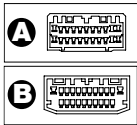
## CR4000SW INTERFACE MODULE



## CR4000SW STEERING WHEEL CONTROL HARNESS



## CONNECTOR VIEWS



(Wire pin view, wires exit other  
side. See Page 3 for applications)

## CR4000SW INTERFACE HARNESS

## A CONNECTOR

## B CONNECTOR

Use the ONE  
connector that  
fits your vehicle.

## WIRING INSTRUCTIONS

1. Disconnect the negative battery cable from the battery to avoid any short circuits.
2. Remove and unplug factory stereo. (If needed, call Scosche Tech Support 1 **(800) 363-4490 x1** for stereo removal steps.)
3. Match and connect the appropriate wires from the **CR4000SW** harness to the appropriate wires of the plug provided with your stereo. For example, connect the yellow +12V Constant lead from your stereo to the yellow wire of the **CR4000SW** harness. (See wiring diagram section for additional information.)

**NOTE:** If your vehicle is equipped with steering wheel controls and you are installing a compatible aftermarket stereo, see pages 8-9 for connection information.

4. Note that the RED +12V accessory wire and the orange illumination wire for your aftermarket stereo are coming from the **CR4000SW** module itself, not the vehicle harness.
5. If your aftermarket stereo does not have all matching color-coded wires for the **CR4000SW** interface harness, then cap or tape unused wires separately to avoid short circuits.
6. Reconnect the negative battery cable, close all doors and remove the key from vehicle ignition.
7. Allow the vehicle to come to a “resting” or “sleep” state for a few minutes without any key inserted, door/hood/trunk open and all vehicle accessories turned to the OFF position.
8. Connect the small black 8-pin harness to the **CR4000SW** interface module (black plastic box).
9. Remove the connector cap from either the “A” or the “B” factory vehicle connector (Choose the ONE connector that fits).
10. Connect the “A” or “B” 22-Pin CR4000SW connector to the Factory Harness.
11. As you install your new stereo, place the **CR4000SW** interface module in the dash cavity.  
(**Optional:** Cable ties or double sided tape can be used to secure the module, but are not included)

## WIRING NOTES

1. The Red +12V switched accessory wire coming from the **CR4000SW** interface is rated at 10 amps for use with a single Aftermarket stereo. Connecting additional accessories to this +12V power source can cause damage to the **CR4000SW** module.
2. DO NOT REMOVE the black wiring insulation tape from the **CR4000SW** interface harness. It is designed to protect the wiring while providing a clean installation.
3. There are wires connected ONLY between the **CR4000SW** interface plug and the A/B vehicle connectors (under the insulating tape). Do not make any connections or cuts to these wires.
4. If your stereo does not contain an "Orange" illumination wire, then the orange wire will not be used. Tape or cap all unused wires to prevent short circuits
5. There are no "Blue" power antenna or "Blue/White" amplifier remote control wires on the **CR4000SW** interface harness. If there are premium sound systems in your vehicle, the **CR4000SW** will "turn-on" and activate these systems with data commands. If you are connecting Aftermarket amplifiers or accessories, then use the blue/white amp remote lead coming directly from the back of your aftermarket stereo.

## WIRE COLOR CODES:

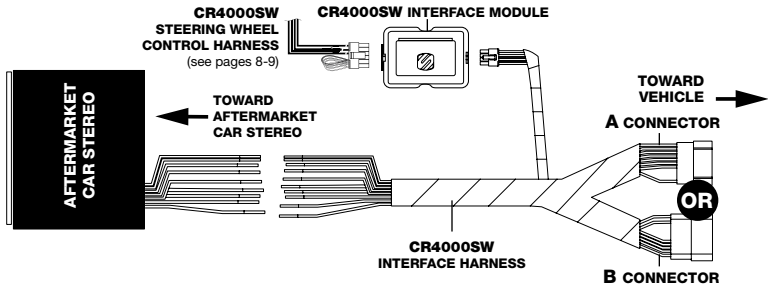
White	=	Left front positive (LF+)
White/Black	=	Left front negative (LF-)
Green	=	Left rear positive (LR+)
Green/Black	=	Left rear negative (LR-)
Gray	=	Right front positive (RF+)
Gray/Black	=	Right front negative (RF-)

Violet	=	Right rear positive (RR+)
Violet/Black	=	Right rear negative (RR-)
Yellow	=	+12 volt battery constant
Red	=	+12 volt accessory switched (DATA-controlled / R.A.P.)
Black	=	Chassis ground (-12V)
Orange	=	+12V illumination

## WIRING CODES (cont'd)

The color codes used on this interface harness conform to the standards set by the E.I.A. (Electronics Industry Association). They may differ from the wiring codes found on your car stereo. Always refer to your stereo owners manual for wiring details about your particular car stereo.

## WIRING DIAGRAM

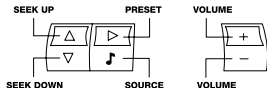


## STEERING WHEEL CONTROLS

1. Determine if your vehicle has built-in stereo (audio) control buttons located on the steering wheel:
  - a. If yes, proceed to step 2.
  - b. If no, then disregard this steering wheel controls section.
2. Determine if your new stereo is compatible with steering wheel controls. Consult the installation manual provided with the stereo, or check the wiring connections behind the stereo:
  - a. Some stereos have a 3.5 mm round (headphone type) input receptacle at the rear of stereo labeled "SWC" or "SWC In"
  - b. Some stereos have Blue wire with Yellow stripe (or other color) labeled: "SWC" or "SWC In".
3. Refer to chart on page 9 to prepare the Steering Wheel Control harness. Use the chart to determine which colored loop to cut and the corresponding connection for your particular stereo. If your brand is not listed in the chart, please call tech support for assistance: (800) 612-3695 Ext. 3
4. Connect the 3.5mm Male jack the back of the stereo's SWC input or connect the Brown (KEY1), Gray (KEY2) or Black (GND) to the stereo's SWC input wire.
5. Connect the Male 14-Pin connector the interface module as shown in the diagram.

**\*\*NOTE:** Steering wheel control buttons and functions are provided as a guide. Your specific vehicle may differ.

### CR4000SW STEERING WHEEL LEGEND 2005-08\*\*



### CR4000SW STEERING WHEEL LEGEND 2009-UP \*\*

Uses controls on BACK of Steering wheel (except ANSWER/END CALL)



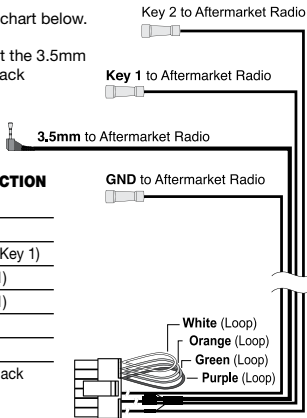


# STEERING WHEEL WIRING CODES

1. Prepare **CR4000SW** steering wheel connector by using the chart below.
2. Connect the harness to the interface module.
3. For Alpine, Clarion, JVC, Panasonic and car stereos, connect the 3.5mm male steering plug into the steering wheel input jack at the back of the stereo.
4. For Kenwood and newer JVC stereos, connect the BROWN wire from the steering wheel harness to the REMOTE IN wire at the back of the stereo.

STEREO BRAND	CONFIGURATION	STEREO CONNECTION
ALPINE	Cut Green loop	3.5mm
CLARION	Cut Violet loop	3.5mm
JVC	Cut Green & Violet loop	3.5mm or Brown (Key 1)
KENWOOD	Cut Orange & Green	Brown (Key 1)
PANASONIC	Cut Orange	Brown (Key 1)
SONY	Cut White	3.5mm
PIONEER	No cut required	3.5mm
OTHER BRANDS	Call Tech Support	Brown, Gray, Black

**\*NOTE:** Cut wire ONLY. DO NOT remove!



## **OPERATION**

When connected and installed per these instructions, the aftermarket stereo should operate normally. If using steering wheel controls and compatible stereo, refer to the diagram on page 8 for button functions. If you any questions or need technically assistance regarding this product, please call Tech Support: **(800) 363-4490 Ext. 1.**

**For complete warranty details, please visit us at *www.scosche.com* or call (800) 363-4490**