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› Scosche CR04B Car Radio Wiring Harness Installation Manual

Scosche CR04B

Scosche CR04B Car Radio Wiring Harness Installation Manual

Model: CR04B | Brand: Scosche

1. PRODUCT OVERVIEW

The Scosche CR04B is a car radio wiring harness designed to facilitate the installation of an aftermarket stereo in specific 2007-2020 non-amplified Chrysler, Dodge, Jeep, Mitsubishi, and Volkswagen vehicles. This harness connects directly to your vehicle's factory wiring, eliminating the need to cut or modify original vehicle wires during stereo installation.

The harness is constructed with OEM quality wire and connectors to ensure a secure and reliable connection for your new car stereo system.

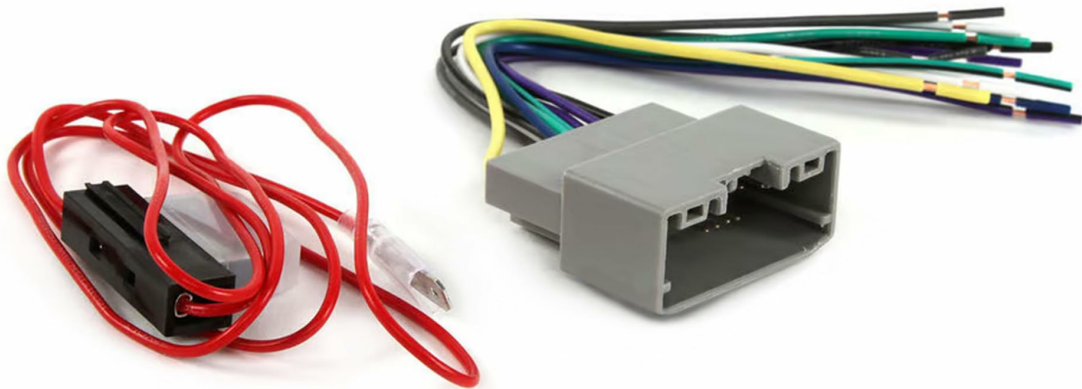


Image 1.1: The Scosche CR04B Car Radio Wiring Harness, showing the main connector and color-coded wires.

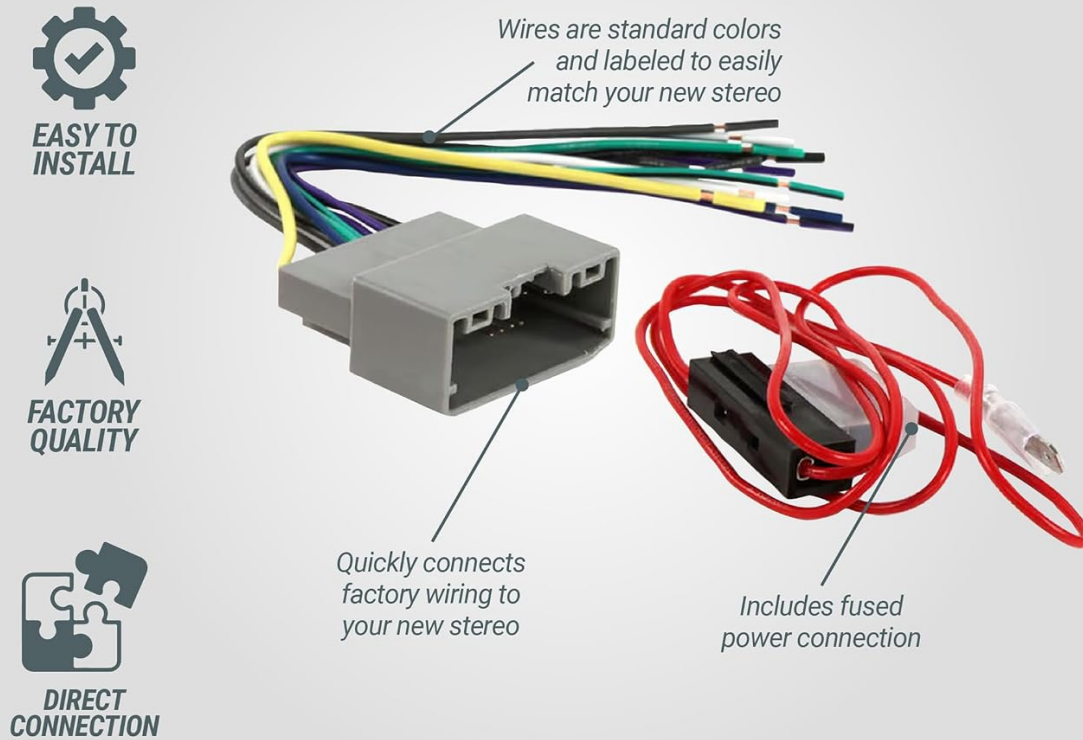
2. KEY FEATURES

- **Direct Fit:** Designed for a precise connection to factory wiring in compatible vehicles.
- **No Wire Cutting:** Allows aftermarket stereo installation without modifying the vehicle's original wiring.
- **Color-Coded Wires:** Simplifies the connection process by adhering to EIA industry standards.
- **OEM Quality:** Manufactured with high-quality automotive-grade wires and connectors for durability and optimal signal transmission.
- **Includes Fused Power Lead:** Provides a separate fused wire for switched 12V accessory power, which may be absent in some factory harnesses.

CAR STEREO WIRE HARNESS - CR04B

2007-2020 CHRYSLER • DODGE • JEEP • MITSUBISHI • VOLKSWAGEN (Check Fit Guide Image)

Scosche car stereo connectors take the guesswork out of connecting an aftermarket stereo to your vehicle.



— MAKE YOUR INSTALL EASY —

A DASH KIT **B** WIRE HARNESS/INTERFACE **C** ANTENNA ADAPTER

Parts for A and C sold separately



Image 2.1: Diagram illustrating the components of the Scosche CR04B harness, including the main connector and the fused power connection.

3. VEHICLE COMPATIBILITY

The Scosche CR04B wiring harness is compatible with select non-amplified vehicles from 2007-2020. It is crucial to verify your vehicle's make, model, and year against the provided fit guide to ensure compatibility. This harness is **NOT compatible with factory amplified systems**, including those with Infinity, Alpine, or Beats audio systems.

FIT GUIDE - CR04B

2007-2020 CHRYSLER • DODGE • JEEP • MITSUBISHI • VOLKSWAGEN

MAKE MODEL	YEAR	MAKE MODEL	YEAR
CHRYSLER		JEEP	
200	2011-14	COMMANDER	2008-10
300	2008-10	COMPASS	2009-16
ASPEN	2008-09	GRAND CHEROKEE	2008-13
SEBRING SEDAN	2007-10	LIBERTY	2008-12
SEBRING CONVERTIBLE	2008-10	PATRIOT	2009-17
TOWN & COUNTRY	2008-17	WRANGLER	2007-17
DODGE		WRANGLER UNLIMITED	2007-17
AVENGER	2008-14	WRANGLER JK	2018
CALIBER	2009-12	MITSUBISHI	
CARAVAN	2008-20	RAIDER	2008-09
CHALLENGER	2008-14	VOLKSWAGEN	
CHARGER	2008-10	ROUTAN	2009-13
DAKOTA	2005-11	<p>Installation Notes:</p> <p>NOT Compatible with Factory Amplified Systems including Infiniti, Alpine and Beats.</p> <p>No 12V ACC Wire is available in the factory connector. Connect the included RED fused power lead to a +12V DC switched power source.</p>	
DURANGO	2008-09		
GRAND CARAVAN	2008-20		
JOURNEY	2009-10		
MAGNUM	2008-09		
NITRO	2007-11		
RAM PICKUP 1500	2009-11		
RAM PICKUP 2500	2010-11		
RAM PICKUP 3500	2010-11		

Image 3.1: Detailed fit guide for the CR04B harness, listing compatible Chrysler, Dodge, Jeep, Mitsubishi, and Volkswagen models and years.

Compatible Vehicle List (2007-2020 Non-Amplified Models):

Make	Model	Years
Chrysler	200	2011-14
Chrysler	300	2008-10
Chrysler	Aspen	2008-09
Chrysler	Sebring Sedan	2007-09
Chrysler	Sebring Convertible	2008-10
Chrysler	Town & Country	2008-17
Dodge	Avenger	2008-14

Make	Model	Years
Dodge	Caliber	2009-12
Dodge	Caravan	2008-20
Dodge	Challenger	2008-14
Dodge	Charger	2008-10
Dodge	Dakota	2005-11
Dodge	Durango	2008-09
Dodge	Grand Caravan	2008-20
Dodge	Journey	2009-10
Dodge	Magnum	2008-09
Dodge	Nitro	2007-11
Dodge	RAM Pickup 1500	2009-11
Dodge	RAM Pickup 2500	2010-11
Dodge	RAM Pickup 3500	2010-11
Jeep	Commander	2008-10
Jeep	Compass	2009-16
Jeep	Grand Cherokee	2008-13
Jeep	Liberty	2008-12
Jeep	Patriot	2009-17
Jeep	Wrangler	2007-17
Jeep	Wrangler Unlimited	2007-17
Jeep	Wrangler JK	2018
Mitsubishi	Raider	2008-09
Volkswagen	Routan	2009-13

4. SETUP AND INSTALLATION

Before beginning installation, ensure the vehicle's battery is disconnected to prevent electrical shorts. This harness is designed for a straightforward connection, but basic knowledge of car audio wiring is recommended.

4.1. Wiring Connections

Match the color-coded wires of the Scosche CR04B harness to the corresponding wires on your aftermarket stereo's wiring harness. Refer to the EIA Wire Color Code Chart below and your aftermarket stereo's owner's manual for specific wiring details.

1. Connect the constant 12V power wire (typically yellow) from the aftermarket stereo to the yellow wire on the CR04B




harness.

2. Connect the ground wire (typically black) from the aftermarket stereo to the black wire on the CR04B harness.
3. Connect the speaker wires (e.g., white/white-black for left front, gray/gray-black for right front, green/green-black for left rear, purple/purple-black for right rear) from the aftermarket stereo to the corresponding wires on the CR04B harness.
4. **Switched 12V Accessory Power:** Many Chrysler, Dodge, and Jeep vehicles from this era do not provide a switched 12V accessory wire in the factory radio harness. The CR04B includes a separate red fused lead for this purpose. You will need to connect this red fused lead to a reliable switched 12V power source in your vehicle (e.g., the cigarette lighter power wire).
5. Connect any other wires such as amplifier turn-on (blue/white), antenna power (blue), or illumination wires (orange, orange/white) as per your aftermarket stereo's instructions and the EIA chart.



Image 4.1: Close-up of the separate red fused power lead included with the CR04B harness, used for switched 12V accessory power.

ELECTRONICS INDUSTRY ASSOCIATION (EIA) WIRE COLOR CODE CHART

YELLOW		12V BATTERY : CONSTANT (+)
RED		12V BATTERY : SWITCHED (+)
BLACK		CHASSIS GROUND (-)
BLACK/WHITE		FACTORY AMPLIFIER GROUND
BLUE		ANTENNA POWER (WHEN TUNER IS ON)
BLUE/WHITE		AMPLIFIER TURN ON
ORANGE		DASH ILLUMINATION 12V
ORANGE/WHITE		DASH LIGHT DIMMER 1V-12V
ORANGE/BLACK		DIMMER GROUND (NEGATIVE TRIGGER CIRCUIT)
BROWN		PHONE MUTE
WHITE		LEFT FRONT SPEAKER (+)
WHITE/BLACK		LEFT FRONT SPEAKER (-)
GRAY		RIGHT FRONT SPEAKER (+)
GRAY/BLACK		RIGHT FRONT SPEAKER (-)
GREEN		LEFT REAR SPEAKER (+)
GREEN/BLACK		LEFT REAR SPEAKER (-)
PURPLE		RIGHT REAR SPEAKER (+)
PURPLE/BLACK		RIGHT REAR SPEAKER (-)

The color codes used on this car stereo connector harness conform to the E.I.A. (Electronics Industry Association) standard. These colors may differ from the wiring codes found on your stereo. Always refer to your stereo owner's manual for specific wiring details before making any connections.



Image 4.2: Electronics Industry Association (EIA) standard wire color code chart for car stereo connections. Always cross-reference with your stereo's manual.

4.2. Connecting the Harness

Once all wire-to-wire connections are made between the aftermarket stereo harness and the CR04B harness, you can proceed with connecting to the vehicle.

1. Carefully plug the CR04B harness connector into the vehicle's factory radio harness.
2. Plug the aftermarket stereo's harness (now connected to the CR04B) into the back of the new stereo unit.
3. Reconnect the vehicle's battery.
4. Test the new stereo's functionality (power, audio, balance, fade, etc.) before fully reassembling the dashboard.

Your browser does not support the video tag.

Video 4.1: An instructional video demonstrating the general process of connecting a wire harness for aftermarket stereo installation. This video shows how to connect the aftermarket stereo's harness to the vehicle's harness.

5. OPERATING

The Scosche CR04B wiring harness is a passive component that enables the electrical connection between your aftermarket stereo and the vehicle's electrical system. Once correctly installed, its operation is integrated with your aftermarket stereo. Refer to your aftermarket stereo's instruction manual for operational details.

6. MAINTENANCE

The Scosche CR04B wiring harness requires no regular maintenance. Ensure all connections are secure during installation. If the harness is ever disconnected, inspect the pins and wires for any damage before re-connection.

7. TROUBLESHOOTING

- **Stereo Does Not Power On:**

- Verify the vehicle's battery is reconnected and fully charged.
- Check the main power (yellow wire) and ground (black wire) connections for continuity and secure contact.
- Ensure the red fused accessory wire is correctly connected to a switched 12V power source in the vehicle. Many Chrysler/Dodge/Jeep vehicles lack this in the factory harness, requiring a separate connection (e.g., to the cigarette lighter power).
- Inspect the fuse on the red accessory wire and any fuses on the aftermarket stereo or in the vehicle's fuse box.

- **No Sound from Speakers:**

- Confirm all speaker wires (e.g., white, gray, green, purple and their black-striped counterparts) are correctly matched and securely connected.
- Check the amplifier turn-on wire (blue/white) if your aftermarket stereo or an external amplifier requires it.
- Ensure the vehicle does not have a factory amplified system, as this harness is not compatible with such setups.

- **Harness Does Not Fit Vehicle Connector:**

- Double-check your vehicle's make, model, and year against the compatibility list in Section 3.
- Confirm that your vehicle does not have a factory amplified system, which often uses a different connector.

8. SPECIFICATIONS

Attribute	Detail
Brand	Scosche
Model Number	CR04B
Material	Copper
Item Dimensions (L x W x H)	1 x 4.25 x 7 inches
Connector Type	Scosche Proprietary Connectors
Included Components	Wiring Harness
UPC	033991019010

9. WARRANTY AND SUPPORT

The Scosche CR04B Car Radio Wiring Harness is backed by Scosche's Limited Warranty. For technical assistance or warranty claims, please contact Scosche customer support. Lifetime technical support is available for this product. For further information, visit the official Scosche website or refer to the contact details provided with your product packaging.