



Installation Instructions

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August 2007

Communication, Sirius Satellite Radio

Ver 2.0

Accessory
Development

SUBJECT

SIRIUS RETROFIT KIT – P/N 65 11 0 432 322

MODEL

MINI Cooper & MINI Cooper S (R56): Select Vehicle Production 12/06-On*

**Only for vehicles with Satellite Radio Prep, which is standard for US spec vehicles.*

SUGGESTED INSTALLATION TIME: 1.5 HOURS

Total installation time may vary depending on vehicle options and equipment.

*****Suggested installation time includes re-coding of the vehicle only for this retrofit kit. This time is based on a vehicle that is at the current software level and does not require any updates. Before installing this accessory into the vehicle, the vehicle should be checked for software updates. If updates are available the vehicle should be programmed prior to installing this accessory. If vehicle is under warranty, the costs of programming prior to retrofit should use defect code 72 60 93 02 00.***

Please refer to SI B09 05 01 for latest MINI approved Retrofit coding procedures.

Please refer to SI M01 01 07 – Defect Code for Programming Prior to Accessory Retrofit

The instructions below are developed for MINI vehicles and are not to be compared to any other existing instructions for vehicles other than MINI. No methods other than those specified in this document are to be used for installation in MINI vehicles. Left and right are determined from the driver's seat.

Carefully read all instructions and supplements before proceeding with the installation. Reference should be made to TIS for instructions dealing with a stock part of the vehicle but not stated in detail in these instructions.

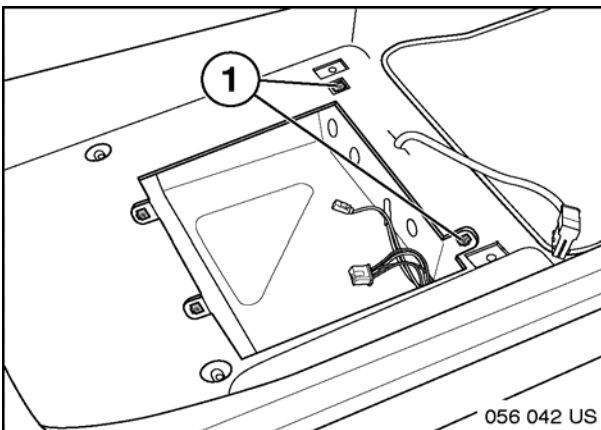
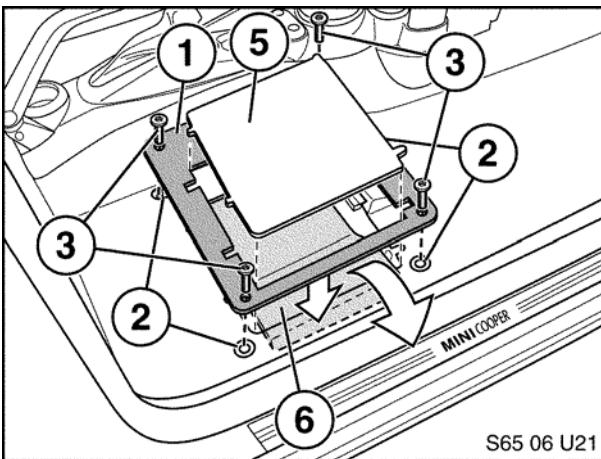
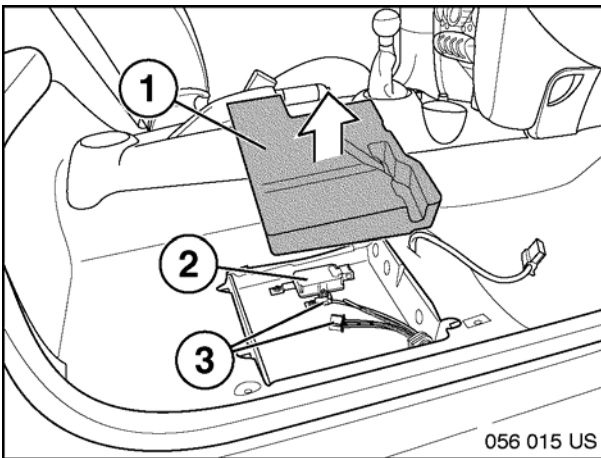
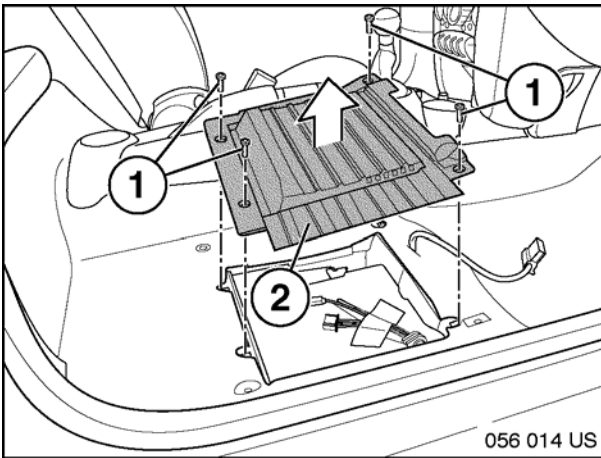
The instructions were complete and up to date at time of publication; however, changes to the vehicle or installation may have occurred. Please report any problems or changes noted with the installation to BMW Technical Hotline, along with VIN, date of manufacture and as much detail as possible.

★ ★ DO IT RIGHT THE FIRST TIME, ON TIME, EVERY TIME ★ ★

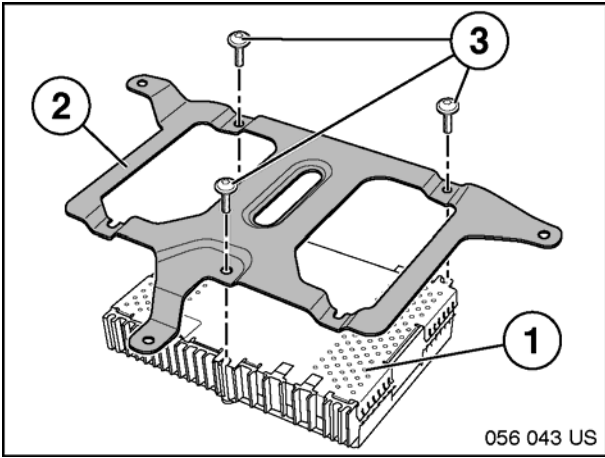
PARTS INFORMATION**Contents of Kit - P/N 65 11 0 432 322**

Description	Qty	MINI Part Number
Sirius Receiver	1	65 20 9 142 850
Receiver Bracket	1	65 90 2 752 234
Multifunction box, right	1	65 90 2 752 526
Cover, multifunction box, right*	1	65 90 2 752 524
Cover mounting screw*	4	07 14 7 135 516
Screw, receiver to bracket	3	06 32 7 657 949
Screw, receiver to multifunction box	3	07 14 9 113 701
Cage nut*	2	07 12 9 904 437
Most connector housing	1	61 13 6 917 978
MOST connector jumper plug	1	61 13 6 931 507
Template	1	65 90 0 421 344

**Select vehicles may have these components already fitted.*

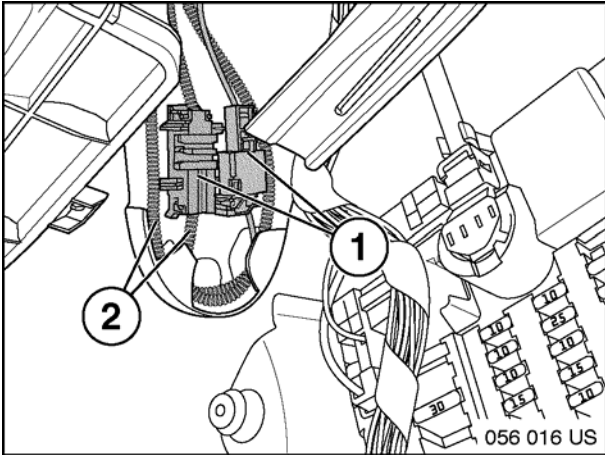
Vehicle Preparation:

1. Disconnect battery.
2. Remove passenger seat.
3. For vehicles with (SA 644) mobile phone prep, remove driver's seat.
4. Remove 4 screws (1) and multifunction box cover (2), below front passenger seat.
5. Remove Styrofoam (1). Note location of existing module (2). Locate MOST/power cables, and extra MOST cables (3) in floor pan area.
6. Remove front right entrance cover strip, reference TIS RA 51 47 000.
7. Remove Styrofoam (6) under carpet.
8. Position the template (1) onto the seat mounting points (2) and thread in seat bolts (3) to hold template in place.
9. Using the supplied template cut out the carpet (5).
10. Install cage nuts (1) into rectangular holes in floor pan.



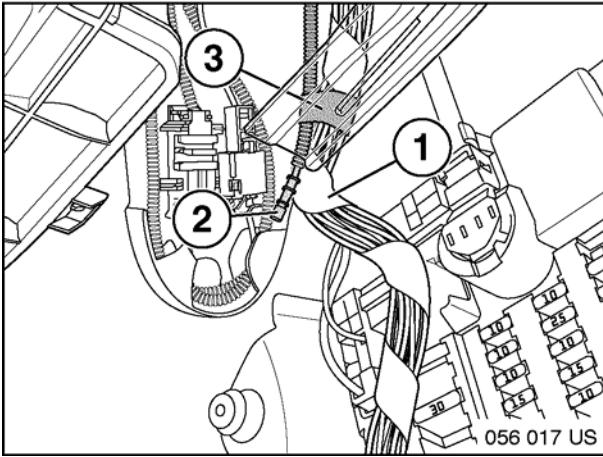
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11. Mount receiver (1) to mounting bracket (2) with supplied Torx head screws (3).



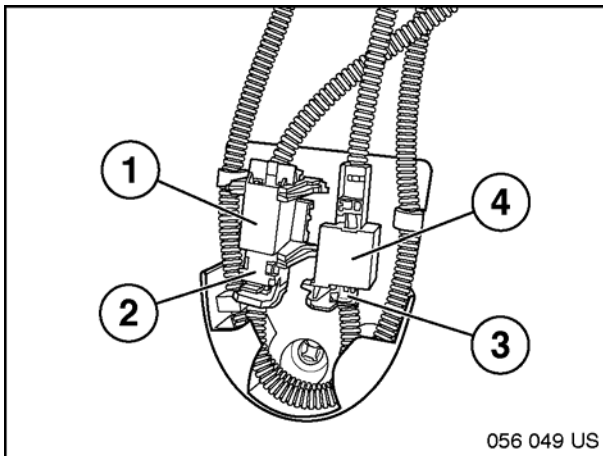
12. Locate MOST service loop connectors (1) and MOST auxiliary loop cables (2) above fuse box in passenger side foot well area.

Note: Removing MOST block connector holder from firewall mounting may facilitate access/service of connectors in the following steps.

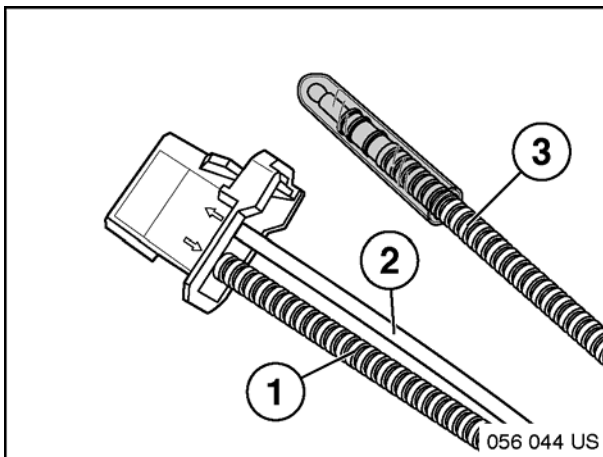
Wiring-with (SA644) Mobile Phone Preparation:

1. Locate additional MOST cables, (2), taped to vehicle wiring harness (1) above fuse box.
2. Identify MOST cable beginning above the fuse box, and terminating at MOST/power connector under passenger seat.

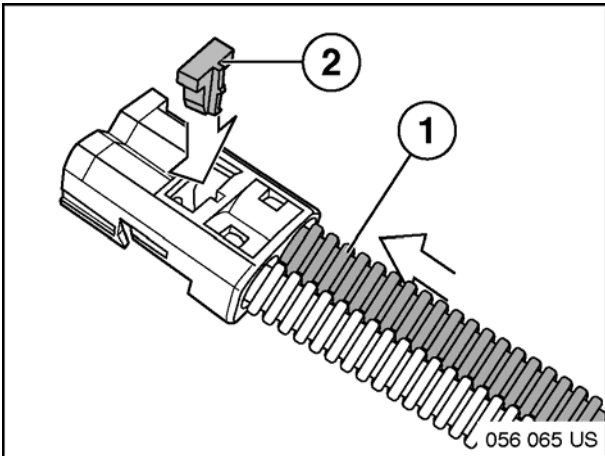
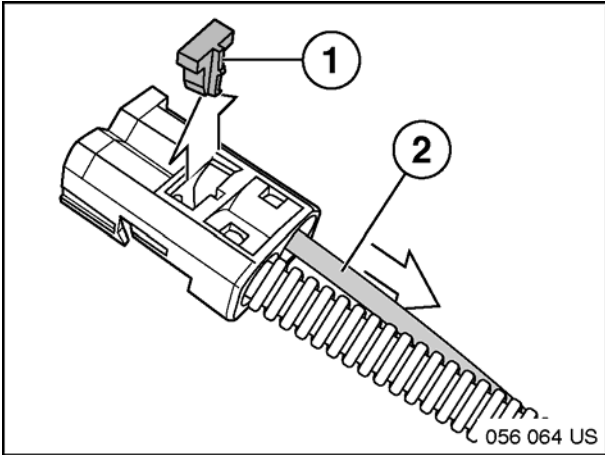
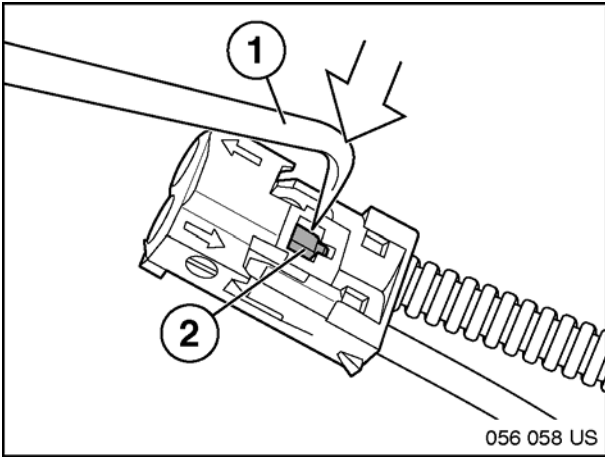
Note: To identify which of the additional MOST cables to use, shine the light from a small flashlight into the end of the MOST connector under the seat. Vehicle may have one or two additional MOST cables above fuse box depending on production dates.



3. Remove MOST cable from connector (4).
4. Identify MOST cable originating from under passenger seat, and install into connector end (4), as identified in Step 14. Reconnect cables (3) and (4).



5. At the mobile phone module located under the driver's seat, identify original configuration of the input (2), output (1) and additional cables (3).



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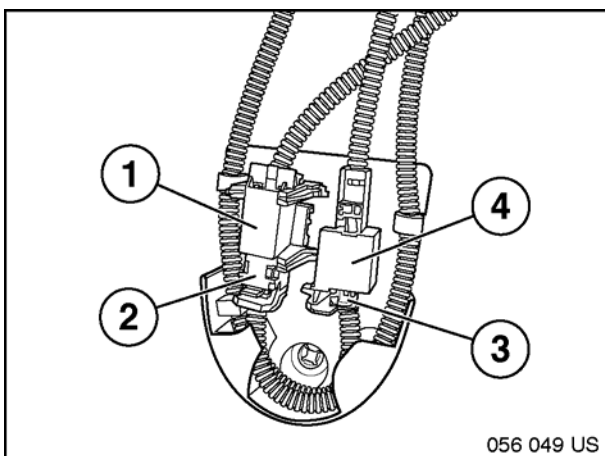
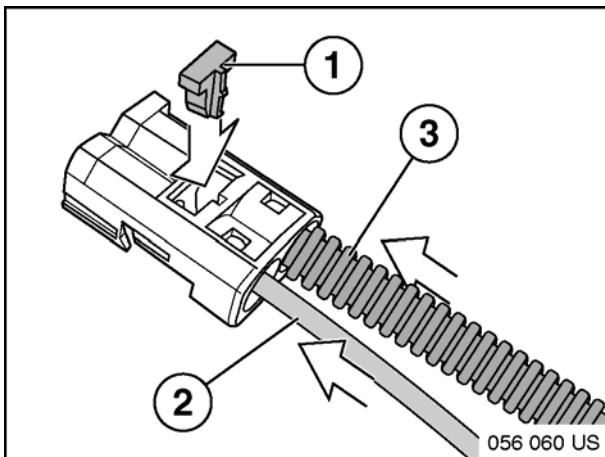
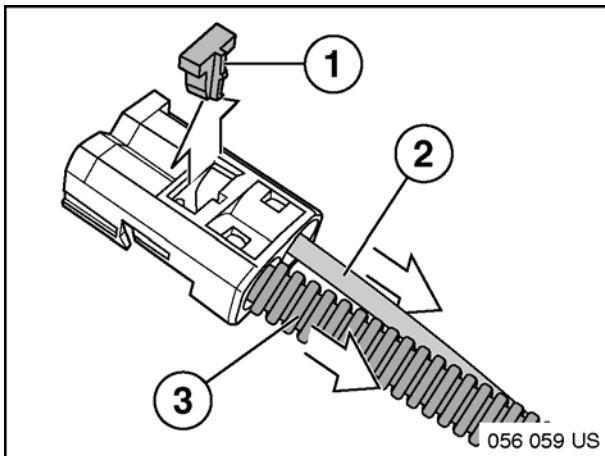
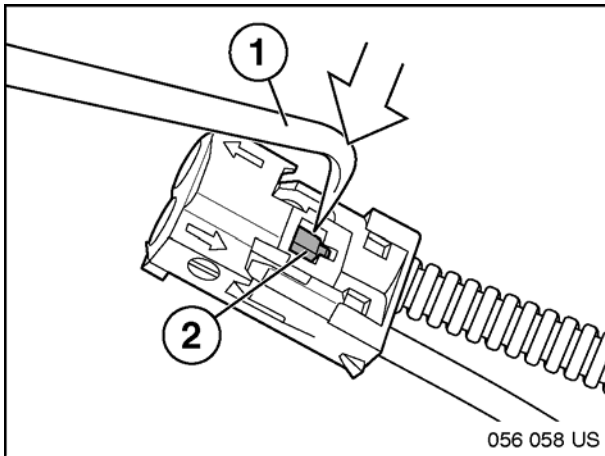
6. With secondary housing exposed, use a pick or small screwdriver (1) to release the blue retaining lock (2).

7. Remove the blue retaining lock, (1) from connector, and remove original input cable from connector (2).

8. Insert additional cable at phone module into input originally occupied by input cable without corrugated tube.

9. Reinstall blue retaining lock.

10. Reinstall MOST/power connector into phone module.

Wiring-without (SA644):

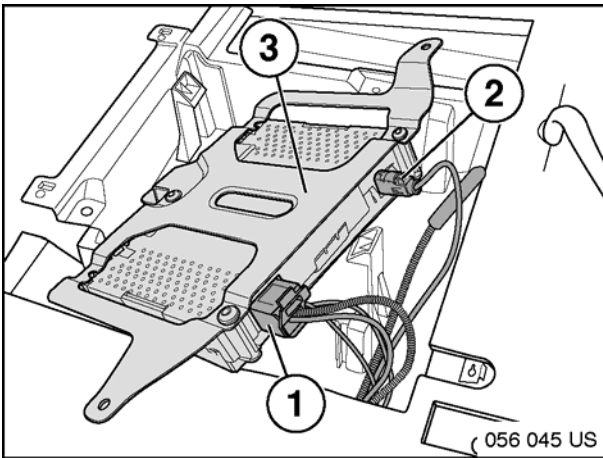
1. At MOST connector under passenger seat, with secondary housing exposed, use a pick or small screwdriver (1) to release the blue retaining lock (2).

2. Remove retaining lock (1)
3. Remove input (2) and output (1) MOST cables.

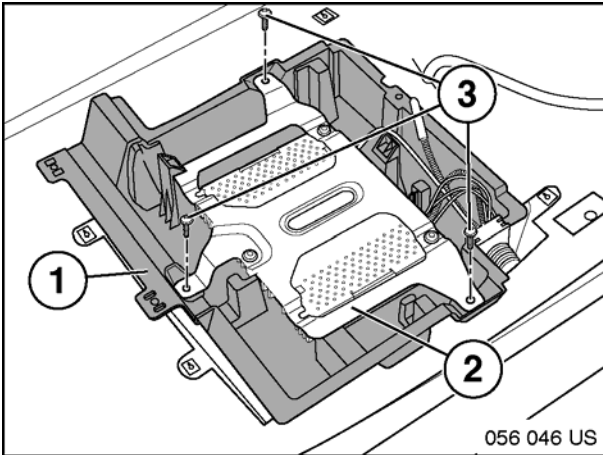
4. Reverse and reinstall input and output MOST cables (2, 3).
5. Reinstall retaining lock (1).

Note: Remove MOST cables from retaining clips around outside of retainer to aid in identification of cables in the following steps.

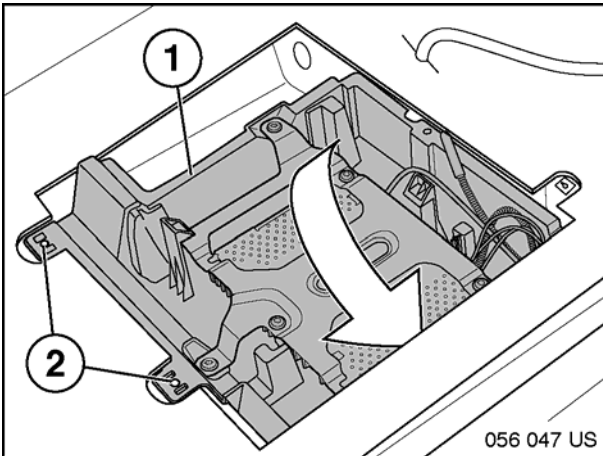
6. Remove connector (2) from original location, and install into housing (4).
7. Remove connector (3) from original location, and install into housing (1).

Installation

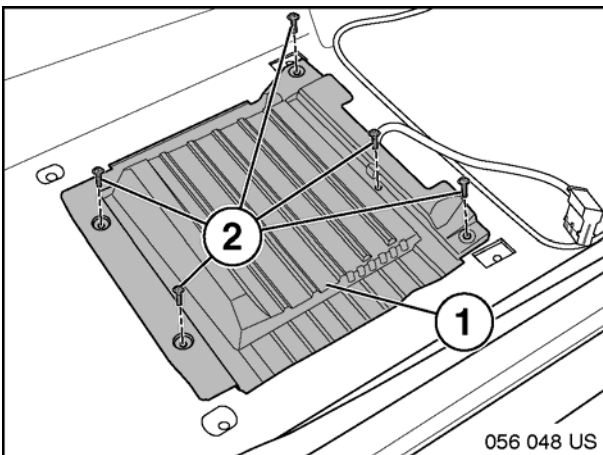
1. Install MOST/power connector (1) and antenna connector (2) into receiver (3).



2. Mount receiver/bracket (2) into multifunction box (1), with supplied screws (3)



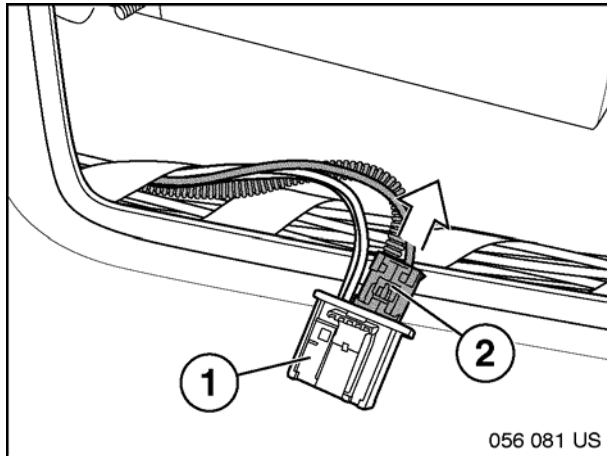
3. Slide multifunction box (1) under right edge of carpet, and locate box with rectangular holes in floor pan (2).



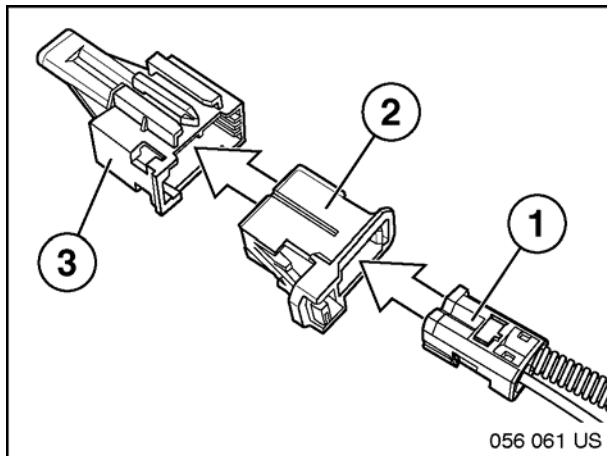
4. Install multifunction box cover (1) and secure with supplied screws (2).

Rear Wiring

Note: *These steps are not required for vehicle's equipped with factory HD radio (SA653).*



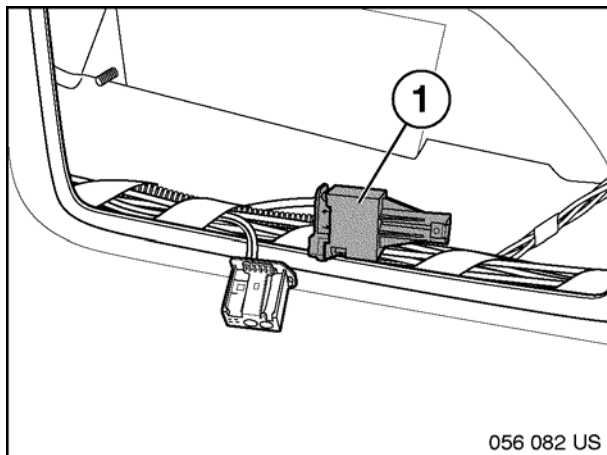
1. In right rear boot compartment area, remove MOST connector and cables (2) from white HD radio connector (1).

**For Vehicles Without (SA644):**

2. Repeat input/output cable reversal outlined in the **Wiring- without (SA644)** section, **Steps 2 through 5**. Install MOST connector housing (2) and jumper plug (3) onto MOST connector (1).

For Vehicles With (SA644)

2. Install MOST connector housing (2) and Jumper Plug (3) onto MOST connector (1).
3. Install MOST connector housing and jumper (2) on MOST cables removed from HD radio connector (1).



Installation Complete

Proceed to Retrofit Coding

RETROFIT CODING

Note: Please refer to SI B09 05 01 for latest Progman retrofit procedure before starting vehicle coding.

Retrofit Sirius Receiver using Progman 26.x.x or later

Follow approved Progman Retrofit procedures until Retrofit selection appears then:

Select: **Retrofits**

Again Select: **Retrofits**

Select: **SDARS**

Select: **Added**

Informational page displays "Retrofitting SDARS selected. The vehicle order is changed during sequence".

Select: **CONTINUE**

Tester will automatically determine measures plan for encoding 655 (SDARS) and will be added to vehicle order.

Select: **ACCEPT**

Select: **START** to execute measures plan

Upon completion of SDARS retrofit coding conduct functional test of the Sirius Receiver.

PROCEED TO ACTIVATION PROCEDURE

ACTIVATION PROCEDURE
SIRIUS SATELLITE RADIO FOR R56 WITHOUT NAVIGATION

Step 1: Locate vehicle outside so that the roof with has a clear **Line-of-Sight** to the sky. Make sure that vehicle is located at a distance greater than 10 feet from nearest building. (Do not place vehicle under a tree or other solid structure.)

Note: For MINI Centers located in downtown cities such as NYC or LA, it may not be necessary to locate vehicle outside. In this case, locate vehicle near window or other area with adequate signal strength to receive Sirius signal and activate receiver. Please consult your Sirius representative for signal coverage in your area.

Step 2: Select key position 1. (KL-R)

Step 3: Turn radio ON.

Step 4: Press **Audio** button and select **SAT** radio mode.

Step 5: "**SIRIUS**" should be briefly displayed on the radio and then "**Weather CH184**" should be displayed. ***Channel 184 should be available on every new receiver and was designed to allow technicians to confirm Sirius receiver functionality before initial activation.***

Step 7: If "**Weather CH184**" is displayed and audio is functioning correctly, proceed to step 10. If not, go to next step.

*Step 8: If "**Weather CH184**" is not available, turn key OFF, wait 5 minutes for MOST bus to RESET, and repeat Steps 2 - 4.*

*Step 9: Allow receiver to update information. (Approx. 30 seconds) Audio should now be heard under "**Weather CH184**" channel. Channel 184 should be the only available channel.*

Step 10: Contact Sirius to activate the receiver. The **12-digit Sirius Receiver ESN** can be found on the Sirius receiver or be displayed on the radio by pressing and holding the **SAT** button until "Call Sirius" and "Phone: 1-888-539-SIRIUS" is displayed. Use right hand side rotary knob of radio to scroll down and display "**ESN:**" of Sirius receiver.

Step 11: After Sirius Customer Service Representative activates receiver, it will take approximately 5 minutes or less for signal to reach the vehicle. Leave radio in Sirius Satellite mode with "Weather" displayed and key position in KL-R for approximately 5 additional minutes in order to successfully download all initial satellite information. As the Sirius receiver is being programmed "**upd. subscrip.**" will be displayed on the radio.

Step 13: Select **CAT**. A list of available categories will appear. Using the right hand side rotary knob of the radio, select a category such as "NEWS" and the list of all channels in this category is displayed. If a receiver is activated correctly all channel names/numbers will be selectable and will **NOT** have "**(unsubscribed)**" displayed next to the channel name. If receiver is activated under a censored plan such as **Family Package** certain channels containing objectionable material will continue to display "**(unsubscribed)**" next to these censored channels. Please refer to Radio Owner's Manual for additional Sirius Satellite Mode functionality and features.

ACTIVATION COMPLETE

ACTIVATION PROCEDURE
SIRIUS SATELLITE RADIO FOR R56 WITH NAVIGATION

Step 1: Locate vehicle outside so that the roof with has a clear **Line-of-Sight** to the sky. Make sure that vehicle is located at a distance greater than 10 feet from nearest building. (Do not place vehicle under a tree or other solid structure.)

Note: For MINI Centers located in downtown cities such as NYC or LA, it may not be necessary to locate vehicle outside. In this case, locate vehicle near window or other area with adequate signal strength to receive Sirius signal and activate receiver. Please consult your Sirius representative for signal coverage in your area.

Step 2: Select key position 1. (KL-R)

Step 3: From Main Menu, select **Entertainment** option using iDrive.

Step 4: Select **SAT** option on top of screen.

Step 5: Select **All Channels**. A list of available channels will appear. If a receiver is not yet activated none of the channels will be checked (√) except **CH 184 Weather**. Scroll down channel listing and select channel 184 to confirm it is available and audio is heard. **Channel 184 should be available on every new receiver and was designed to allow technicians to confirm Sirius receiver functionality before initial activation.**

Step 7: If "**CH 184 Weather**" is displayed and audio is functioning correctly, proceed to step 10. If not, go to next step.

*Step 8: If "**CH 184 Weather**" is not available, turn key OFF, wait 5 minutes for MOST bus to RESET, and repeat Steps 2 - 4.*

*Step 9: Allow receiver to update information. (Approx. 30 seconds) Audio should now be heard under "**CH 184 Weather**" channel. Channel 184 should be the only available channel.*

Step 10: Contact Sirius to activate the receiver. The **12-digit Sirius Receiver ESN** can be found on the Sirius receiver or by selecting an unchecked channel (such as CH 001). ESN will be displayed on screen if an unchecked channel is selected.

Step 11: After Sirius Customer Service Representative activates receiver, it will take approximately 5 minutes or less for signal to reach the vehicle. Leave radio in Sirius Satellite mode with "Weather" displayed and key position in KL-R for approximately 5 additional minutes in order to successfully download all initial satellite information.

Step12: Turn KEY position to OFF. Wait approximately 5 minutes for receiver to reset, and repeat Steps 2 - 4.

Step 13: Select **All Channels**. A list of available channels will appear. If a receiver is activated correctly all channel numbers will include a check mark (√). If receiver is activated under a censored plan such as Family Package certain channels containing objectionable material will remain unchecked. Please refer to Vehicle Owner's Manual for additional Sirius Satellite Mode functionality and features.

ACTIVATION COMPLETE