



Installation Instructions

Communication, Hands-Free

Version 6.0

Page 1 of 18

November 2007

Accessory
Development

These Installation Instructions supersede all previous versions.

SUBJECT

PHONE DOCKING CRADLE RETROFIT

MODEL

3-Series Sedan (E90):	Select Vehicle Production 03/05 – On*
M3 Sedan (E90):	Select Vehicle Production 12/07 – On*
3-Series Sports Wagon (E91):	Select Vehicle Production 09/05 – On*
3 Series Coupe (E92):	Select Vehicle Production 06/06 – On*
M3 Coupe (E92):	Select Vehicle Production 12/07 – On*
3 Series Convertible (E93):	Select Vehicle Production 12/06 – On*
5-Series Sedan (E60):	Select Vehicle Production 09/04 – On*
5-Series Sports Wagon (E61):	Select Vehicle Production 04/05 – On*
6-Series (E63/E64):	Select Vehicle Production 09/04 – On*
7-Series (E65/E66):	Select Vehicle Production 03/05 – On*

**Vehicle must have BMW Assist (SA639) with Bluetooth wireless technology.
Not compatible with E60, E63 and E64 vehicles produced prior to 09/04.
Not compatible with E65/E66 vehicles produced prior to 03/05.*

SUGGESTED INSTALLATION TIME: **0.5 HOURS (except for E65)****

*** E65 vehicles produced from 03/05 have base plate installed from factory and are Snap-In adapter ready. Installation time for Snap-In in MY06 E65 is less than 5 minutes and can be performed by customer. Total installation time may vary depending on vehicle options and equipment.*

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

The instructions below are developed for BMW vehicles and are not to be compared to any other existing instructions for vehicles other than BMW. No methods other than those specified in this document are to be used for installation in BMW 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**3-series (E90/E91/E92/E93/M3) Installation:**

Description	Qty	BMW Part Number
Console Trim	1	51 16 7 118 054
Eject Box for Snap-In	1	84 21 6 946 075
Snap-In Adapter	1	see next page

5-series (E60/E61) Installation:

Description	Qty	BMW Part Number
Eject Box for Snap-In	1	84 21 6 946 075
Eject Box Frame	1	51 16 7 060 175
Snap-In Adapter	1	see next page

6-series (E63/E64) Installation:

Description	Qty	BMW Part Number
Eject Box for Snap-In	1	84 21 6 946 075
Eject Box Frame	1	51 16 7 139 000
Bottom cover w/back trim (for vehicle production 09/06 – On with optional USB 6FL and/or Aux Input)	1	51 16 9 131 177
Bottom cover (for vehicle production 09/05 – 09/06)	1	51 16 6 951 507
Back cover trim (for vehicle production 09/05 – 9/06)	1	51 16 6 951 511
Bottom cover (for vehicle production up to 09/05)	1	51 16 7 113 151
Back cover trim (for vehicle production up to 09/05)	1	51 16 7 113 150
Torx head screws T20	2	51 16 1 964 677
Snap-In Adapter	1	see next page

7-series (E65) Installation:

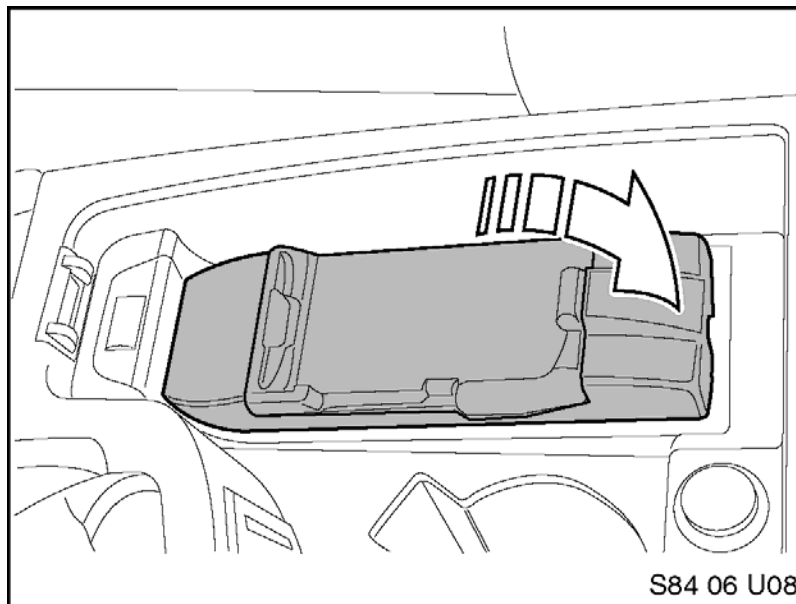
Description	Qty	BMW Part Number
Snap-In Adapter	1	see next page

Snap-In Adapters:

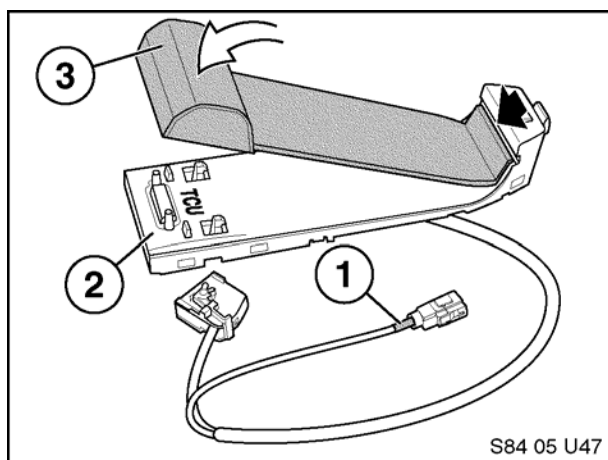
Installation of the eject box allows customers to use various "Snap-In" adapters that conform to the shape of their phone and provide charging and an external antenna connection. Snap-In adapters are available for a selected number of phones and are not available for all BMW approved phones. For the latest list of Snap-In adapters please consult the Electronics Accessory Portal found in the Aftersales section of BMW CenterNet.

Mobile Phone Model	BMW Part Number
Blackberry Pearl 8100	84 21 0 439 151
Motorola RAZR V3/V3c/V3i	84 21 0 415 023
Motorola V505/V551/V600/V330	84 21 0 307 726
Motorola V710/E815 *	84 21 0 393 570
Sony Ericsson T610/T616/T636/T637	84 21 0 304 298
Siemens S55	84 21 6 935 653
Siemens S66	84 21 0 392 326
Nokia 6230i	84 21 6 973 983
Nokia 6310, 6310i	84 21 0 304 651

** Not compatible with accessory extra capacity battery.
V710 Snap-In must be Hardware Version 2.0 or higher.*

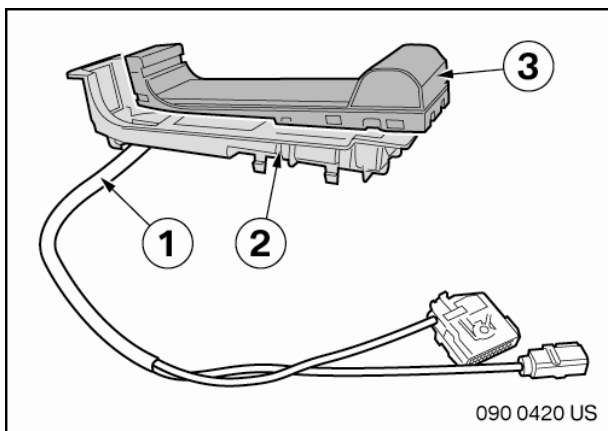


Once installation of the Phone Docking Cradle is completed, the Snap-In adapter that corresponds to the owner's phone may be installed as shown above by inserting the front end of the adapter and then snapping the back into place. Snap-In adapters can be removed and replaced as different phones are used with the vehicle.

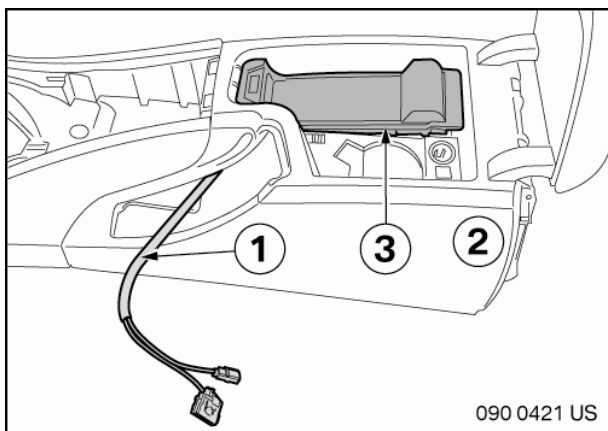
For 3-Series (E90/E91/E92/E93/M3) Installation:

1. Disconnect battery prior to beginning installation.
2. Verify that eject box (2), is P/N 84 21 6 946 075 and is marked with "TCU" lettering underneath coin tray (3) and FAKRA antenna connector (1) has a yellow band near connector.

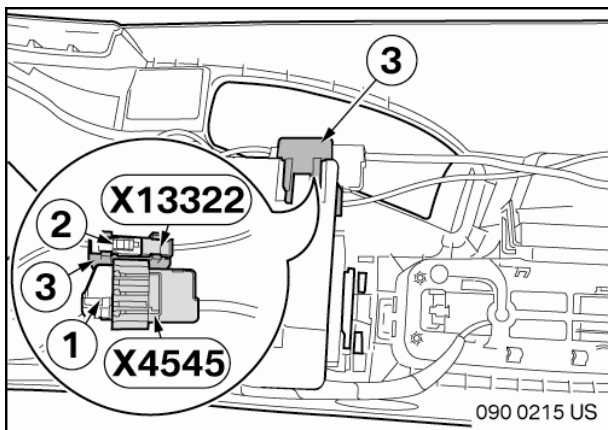
Note: Correct eject box P/N 84 21 6 946 075 must be used to ensure proper functionality of snap-in adapters.



3. Snap eject box (3) into console trim piece 51 16 7 118 054 (2), routing wiring (1) through hole in trim piece.

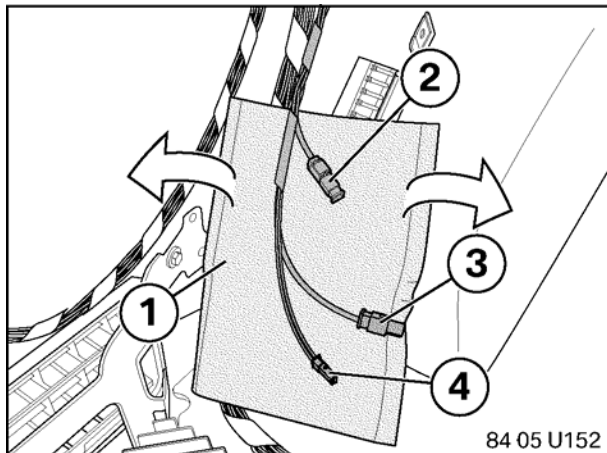
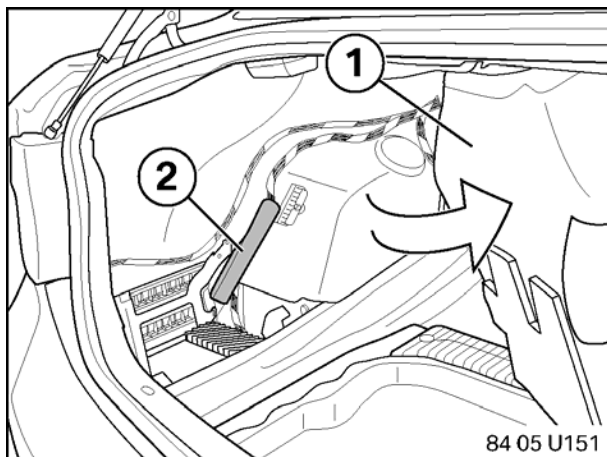


4. Snap eject box and trim piece (3) into center console (2). Route wiring from eject box (1) as shown.



5. Connect plug **X4545** to the plug (1) and antenna plug **X13322** on the plug (2) for the eject box.
6. Clip the plug connectors into the plug connector holder (3).
7. Slide the plug connector holder (3) into the oddments box.

Only For E90 Vehicles Produced From 03/05 – 04/05:



1. Remove left side trunk liner (1).
2. Locate wire bundle (2) near left side wheel arch.
3. Un-wrap bundle (1).
4. Locate coax cables (2) and (3). If cables are not connected together, connect them. It may be necessary to remove a grounding cap from one of the connector halves.
5. Reconnect battery.

Note: Multi-pin connector (4) is not used in this installation.

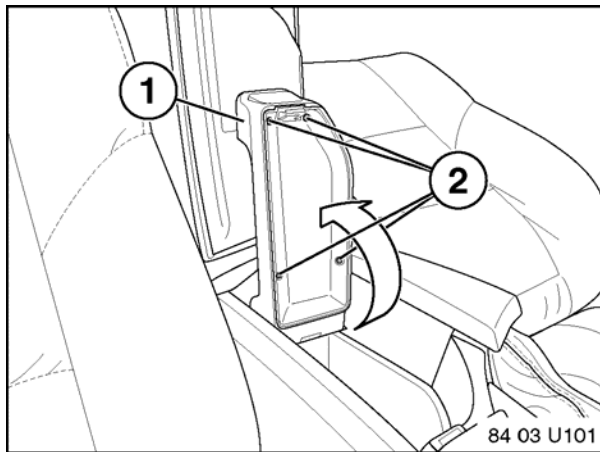
Installation Complete

RETROFIT CODING

No retrofit coding is required for this installation.

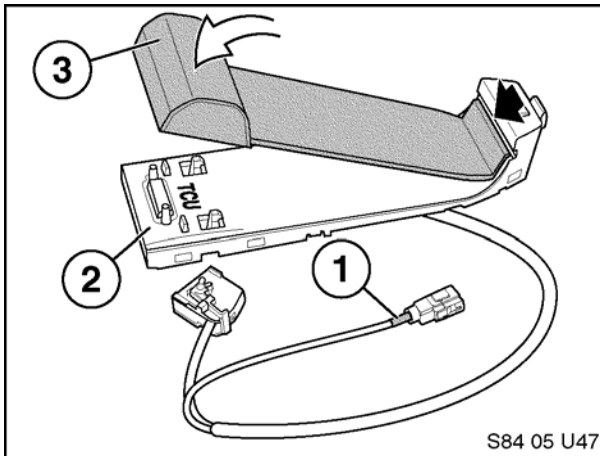
TROUBLESHOOTING

Problem	Corrective Action
Phone reception deteriorates when mounted in adapter.	Verify that antenna connection has been made correctly in cargo area of vehicle and in vehicle armrest.
Phone does not seat properly in adapter.	Verify that proper adapter has been installed and that rubber antenna grommet has been removed from back of phone to expose phone antenna connection.
Phone does not charge when mounted in adapter.	Verify that harness connection beneath snap-in is correct. Verify that correct eject box P/N 84 21 6 946 075 is installed.

For 5-Series (E60/E61) Installation:

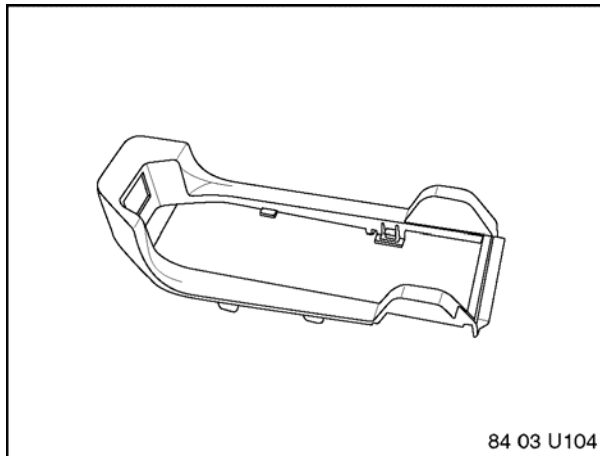
Disconnect battery prior to beginning installation.

1. Raise center arm rest (1) to expose 4 T10 Torx head screws (2). Remove 4 screws and discard coin tray that was previously installed in production.

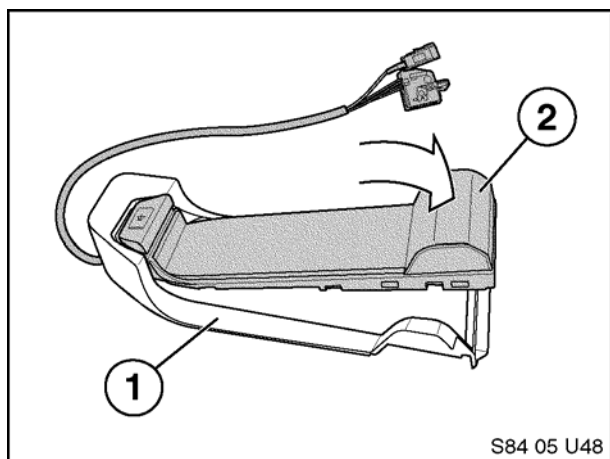


2. Verify that eject box (2), is P/N 84 21 6 946 075 and is marked with "TCU" lettering underneath coin tray (3) and FAKRA antenna connector (1) has a yellow band near connector.

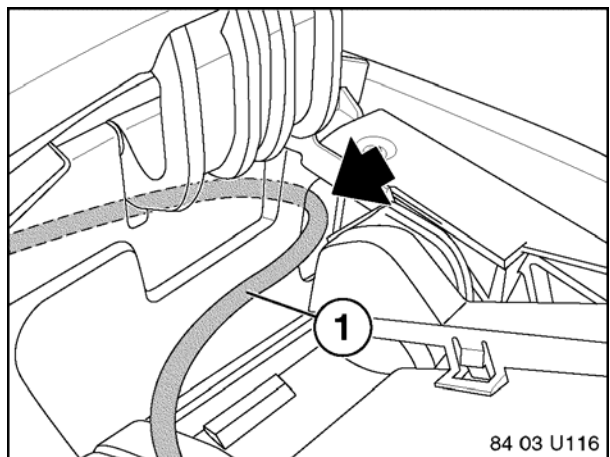
Note: Correct eject box P/N 84 21 6 946 075 must be used to ensure proper functionality of snap-in adapters.



3. Locate eject box frame (P/N 51 16 7 160 175).

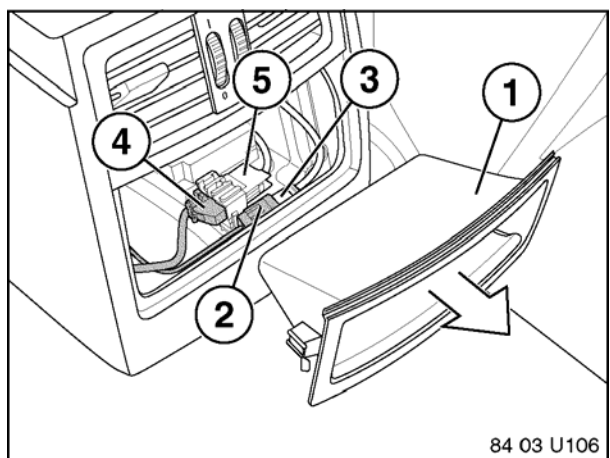


4. Insert eject box (2) into eject box frame (1) and snap into place.



5. Route connector for eject box and antenna coax cable through cut out in center console.

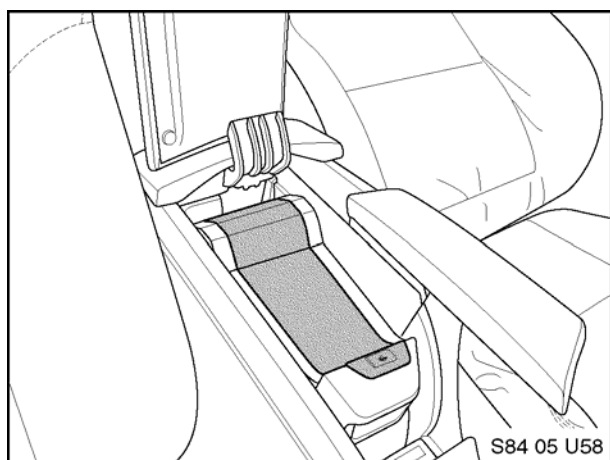
Note: Armrest and plastic trim on driver's side must be removed to route harness as shown in illustration. Ensure that harness is not damaged as it is routed from the rear side of the center console.



6. Remove tray (1) under rear center vent in console to gain access to wire harness for eject box. Remove center vent assembly. Route eject box harness through center console.

7. Connect eject box connector (4) to vehicle harness 18-pin black connector X4545 (5).

8. Connect antenna coax cable (2) to vehicle antenna coax cable (3). Reinstall tray (1).

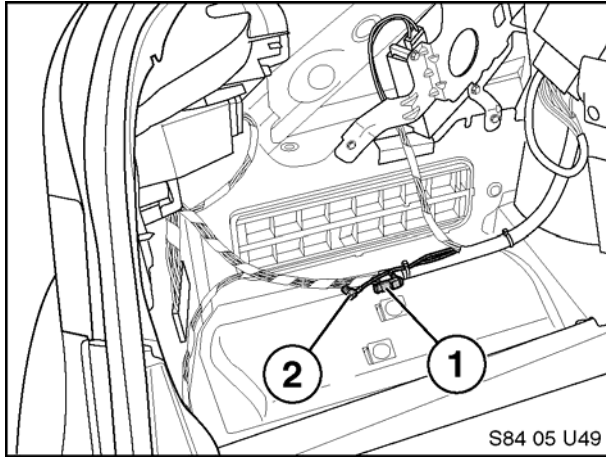


9. Reinstall 4 T10 Torx screws that were previously removed from under side to secure eject box in place.
10. Reinstall plastic trim and drivers armrest pad.

Note: Ensure that eject box cable is not pinched and that eject box can be pivoted without resistance.

Pictured are eject box and frame assembly installed in center console.

Only For Vehicles Produced From 09/04 - 04/05:



11. Remove left side trunk panel behind wheel arch per TIS.
12. Locate coax connectors (1) and (2) at lower wiring harness.
13. Remove plug from coax connector (1) and snap both coax connectors together.
14. Re-connect battery.

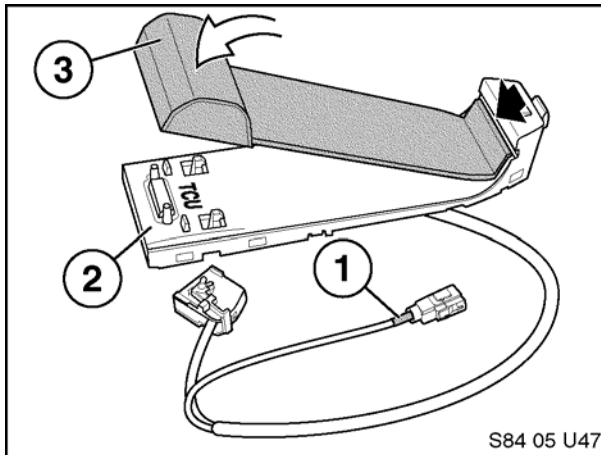
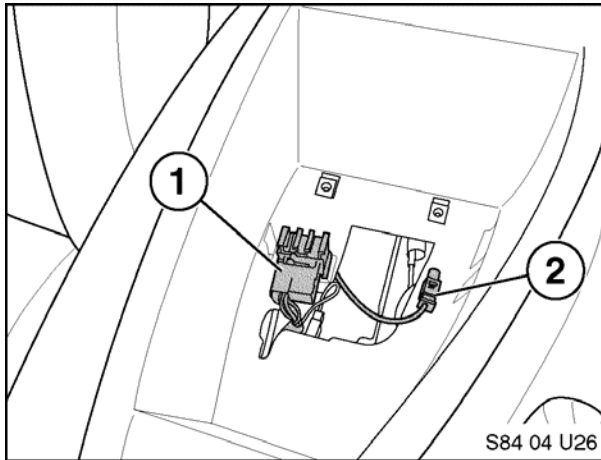
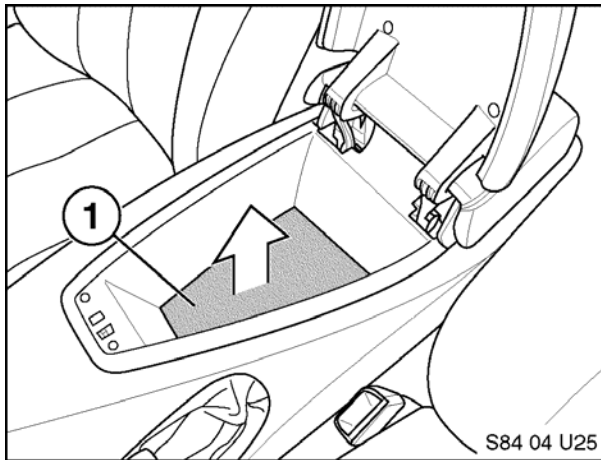
Installation Complete

RETROFIT CODING

No retrofit coding is required for this installation.

TROUBLESHOOTING

Problem	Corrective Action
Phone reception deteriorates when mounted in adapter.	Verify that antenna connection has been made correctly in cargo area of vehicle and in vehicle armrest.
Phone does not seat properly in adapter.	Verify that proper adapter has been installed and that rubber antenna grommet has been removed from back of phone to expose phone antenna connection.
Phone does not charge when mounted in adapter.	Verify that harness connection beneath snap-in is correct. Verify that correct eject box P/N 84 21 6 946 075 is installed.

For 6-Series (E63/E64) Installation:

1. Disconnect battery prior to beginning installation.
2. Raise center arm rest to remove bottom trim panel. Trim panel is removed by inserting pick or other tool under rear of bottom panel and pulling up and forward.

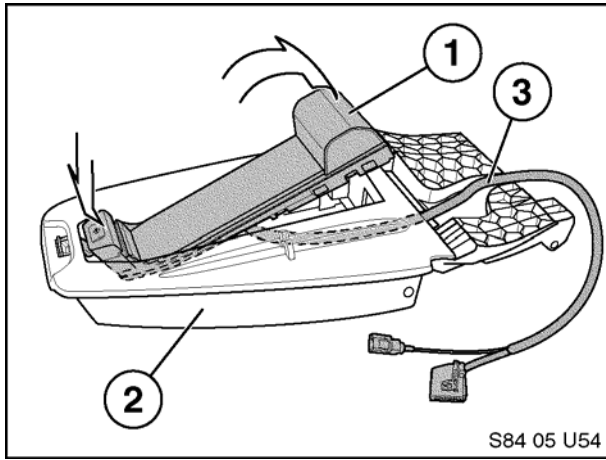
Note: Bottom panel will not be used again and may be discarded.

3. Locate ELO connector **X4545** (1) and FAKRA antenna connector (2) below bottom trim panel.

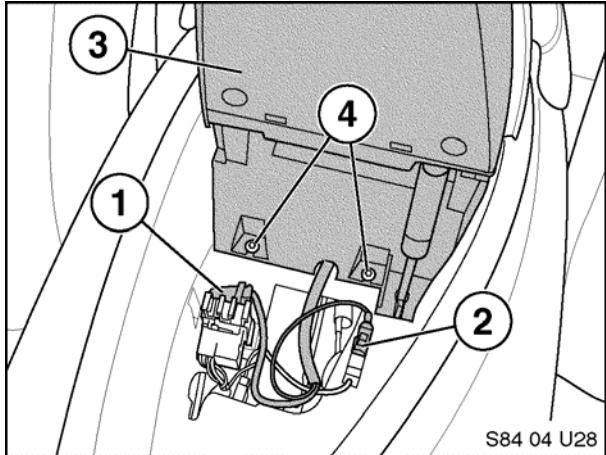
4. Verify that eject box (2), is P/N 84 21 6 946 075 and is marked with "TCU" lettering underneath coin tray (3) and FAKRA antenna connector (1) has a yellow band near connector.

Note: Correct eject box P/N 84 21 6 946 075 must be used to ensure proper functionality of snap-in adapters.

12

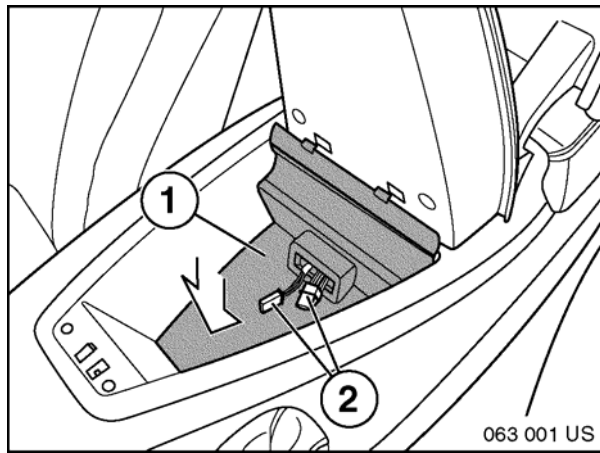


5. Install Eject box (1) described in previous step into eject box housing (2). Insert front lip first and rotate rear of eject box into housing.
6. Route wire harness (3) as shown.

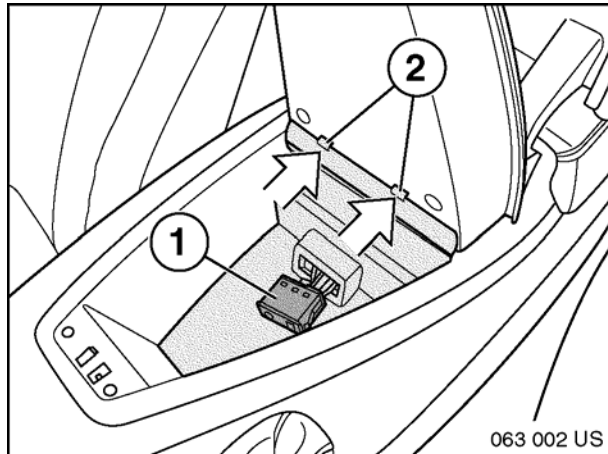


7. Secure housing into center console using 2 x T20 Torx head bolts (4).
8. Connect 18-pin black connector from eject box (1) to vehicle harness connector **X4545**.
9. Connect FAKRA antenna connector from eject box (2) to vehicle harness.

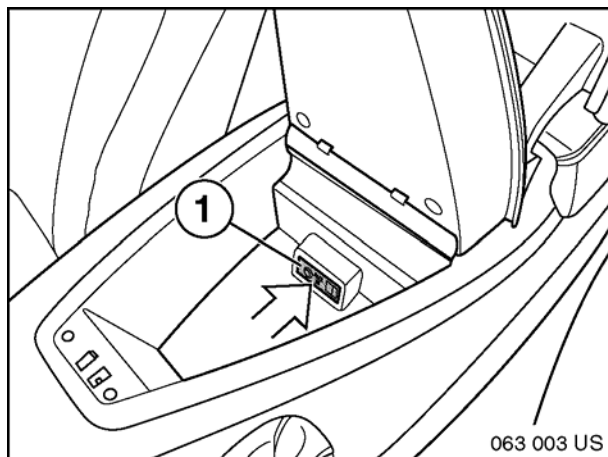
Note: *Be sure to route harness through opening provided at base of housing.*

For Vehicles Produced from 9/06 – on:

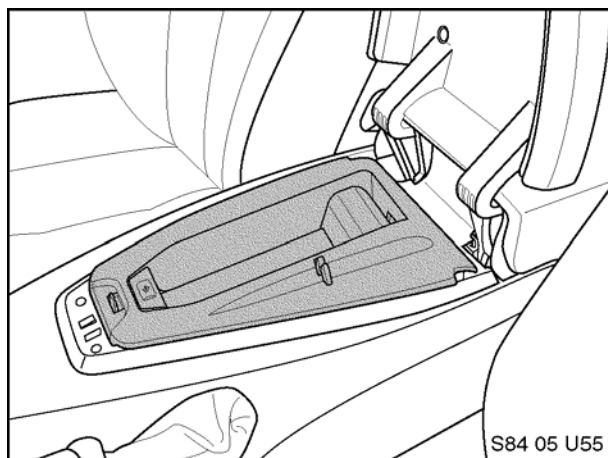
10. Insert trim panel P/N 51 16 9 131 177 (1) into center console in direction of arrow. Pull USB cable (if equipped) and AUX cable (2) through the trim panel opening.



11. Plug cables into USB/AUX connector (1) and attach trim panel (2) to the bottom of the eject box in direction of arrows.



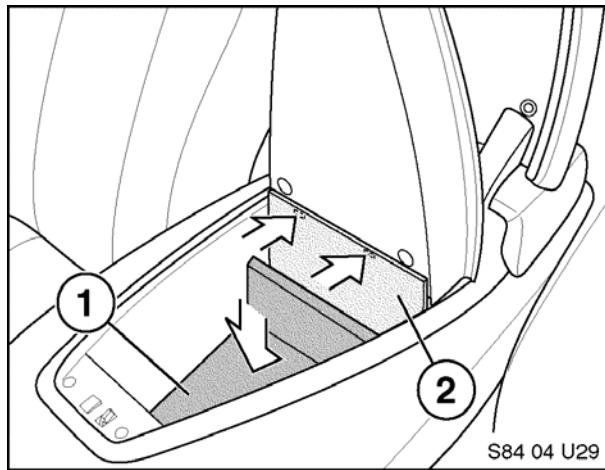
12. Snap USB/AUX connector (1) into the trim panel in direction of arrow.



13. Close eject box housing assembly into locked position. It may be necessary to remove plastic tab at front of console box to allow assembly to latch properly.

Note: Ensure that eject box cable is not pinched and that eject box can be pivoted without resistance.

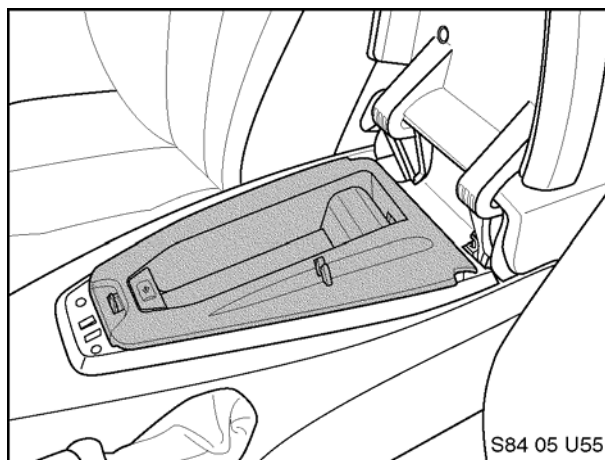
Installation Complete



For Vehicles Produced from 09/05 – 9/06:

10. Attach trim panel P/N 51 16 6 951 511 (2) to bottom of eject box housing by pushing two pivot tabs located on top portion into the slots in housing. Press firmly to ensure proper seating of panel.
11. Position bottom panel P/N 51 16 6 951 507 (1) against front of trim panel (2). Slide down and snap into place on floor of center console.

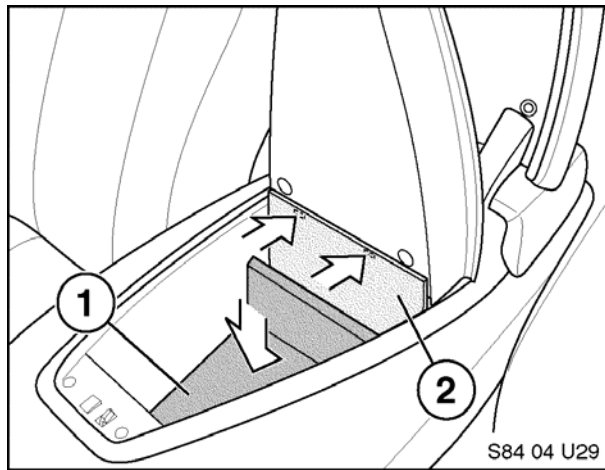
Note: Be sure to align rear of panel (1) into guides located on lower front of panel (2).



12. Close eject box housing assembly into locked position. It may be necessary to remove plastic tab at front of console box to allow assembly to latch properly.

Note: Ensure that eject box cable is not pinched and that eject box can be pivoted without resistance.

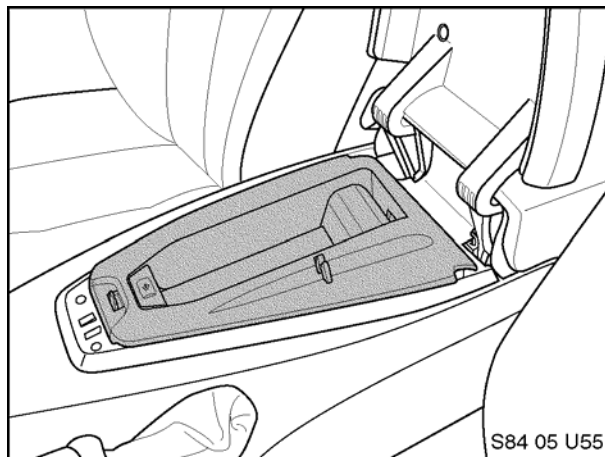
Installation Complete



For Vehicles Produced Before 09/05:

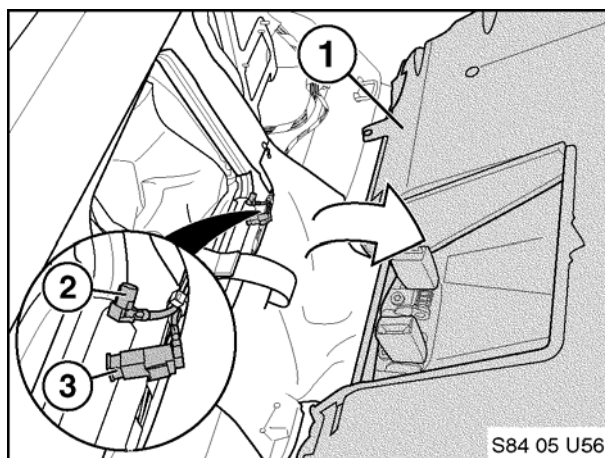
10. Attach trim panel P/N 51 16 7 113 150 (2) to bottom of eject box housing by pushing two pivot tabs located on top portion into the slots in housing. Press firmly to ensure proper seating of panel.
11. Position bottom panel P/N 51 16 7 113 151 (1) against front of trim panel (2). Slide down and snap into place on floor of center console.

Note: Be sure to align rear of panel (1) into guides located on lower front of panel (2).



13. Close eject box housing assembly into locked position. It may be necessary to remove plastic tab at front of console box to allow assembly to latch properly.

Note: Ensure that eject box cable is not pinched and that eject box can be pivoted without resistance.



Only For Vehicles Produced From 09/04 – 04/05:

1. Remove rear seat back (1) per TIS.
2. Locate coax connectors (2) and (3) at base of trunk pass-through. Remove plug from coax connector (3) and snap both coax connectors together.
3. Re-connect battery.

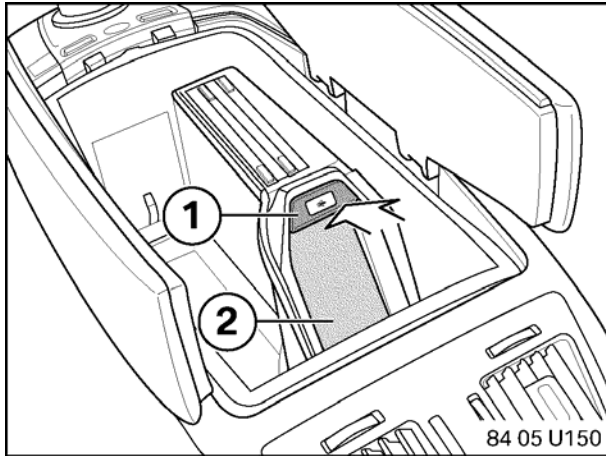
Installation Complete

RETROFIT CODING

No retrofit coding is required for this installation.

TROUBLESHOOTING

Problem	Corrective Action
Phone reception deteriorates when mounted in adapter.	Verify that antenna connection has been made correctly in rear seat area of vehicle and in vehicle armrest.
Phone does not seat properly in adapter.	Verify that proper adapter has been installed and that rubber antenna grommet has removed from back of phone to expose phone antenna connection.
Phone does not charge when mounted in adapter.	Verify that harness connection beneath snap-in is correct. Verify that correct eject box P/N 84 21 6 946 075 is installed.

For 7-Series (E65) Installation:

For MY06 and later 7-Series (E65) models, an eject box for a Snap-In is already included. The owner need only select the correct snap-in accessory for the desired phone and insert it into the eject box.

1. Press mechanical button (1) to release cover plate (2) and remove cover plate from eject box.
2. Insert snap-in into eject box.

Installation Complete

RETROFIT CODING

No retrofit coding is required for this installation.

TROUBLESHOOTING

Problem	Corrective Action
Phone reception deteriorates when mounted in adapter.	Verify that snap-in adapter is properly seated in eject box and is not loose.
Phone does not seat properly in adapter.	Verify that proper adapter has been installed and that rubber antenna grommet has been removed from back of phone to expose phone antenna connection.
Phone does not charge when mounted in adapter.	Verify that snap-in adapter is properly seated in eject box and is not loose.