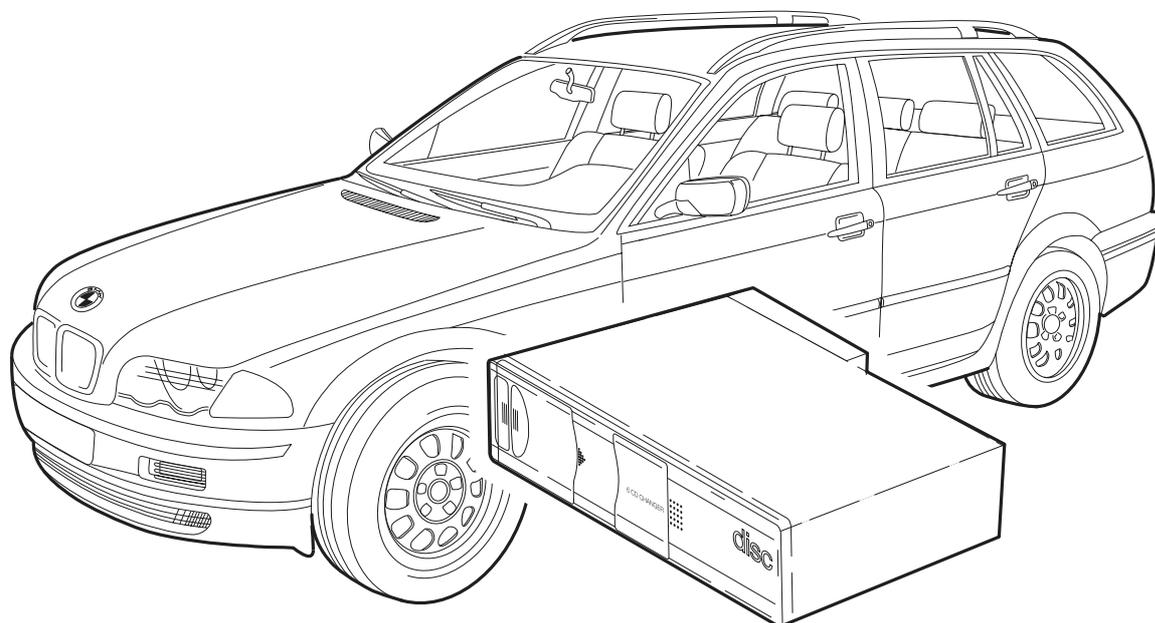




# Parts and Accessories Installation Instructions



046 0116 B

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## **BMW CD changer installation kit BMW 3 Series touring (E 46/3)**

Technical and electrical knowledge required

The installation time is 0.5 -2.0 hours but this may vary depending on the condition of the car and the equipment in it.

Retrofit / Installation kit No. 65 12 0 137 914  
65 12 0 137 915

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## 1. Important information on installing the CD changer in the E46/3

Only for use in the BMW dealer organisation.

The CD changer may only be installed by a specialist workshop that has the required special tools and manuals (servicing, repair, diagnostics, etc.).

-  On cars without an audio module holder in the boot the boot trim on the left must be ordered separately using the Electronic Parts Catalogue (EPC). ◀
-  Before installing the power supply cable and the CD changer connection cable, check whether the required black 3-pin socket casing for the power supply and the black 6-pin socket casing for the CD changer connection cable are tied back on the left-hand side of the boot. ◀
-  In cars with an on-board monitor radio the CD changer connection cable is only installed in the boot. ◀
-  In cars with an on-board monitor radio from production date 9/01 onwards, the CD changer D adapter cable must **additionally** be ordered separately using the Electronic Parts Catalogue (EPC). ◀

Ensure that the cables/lines are not kinked or damaged as you install them in the car.

Additional cables/leads that you install must be secured with cable ties.

If the specified PIN chambers are occupied, bridges, double crimps or twin-lead terminals must be used.

### Subject to technical modifications

### Required tools and equipment

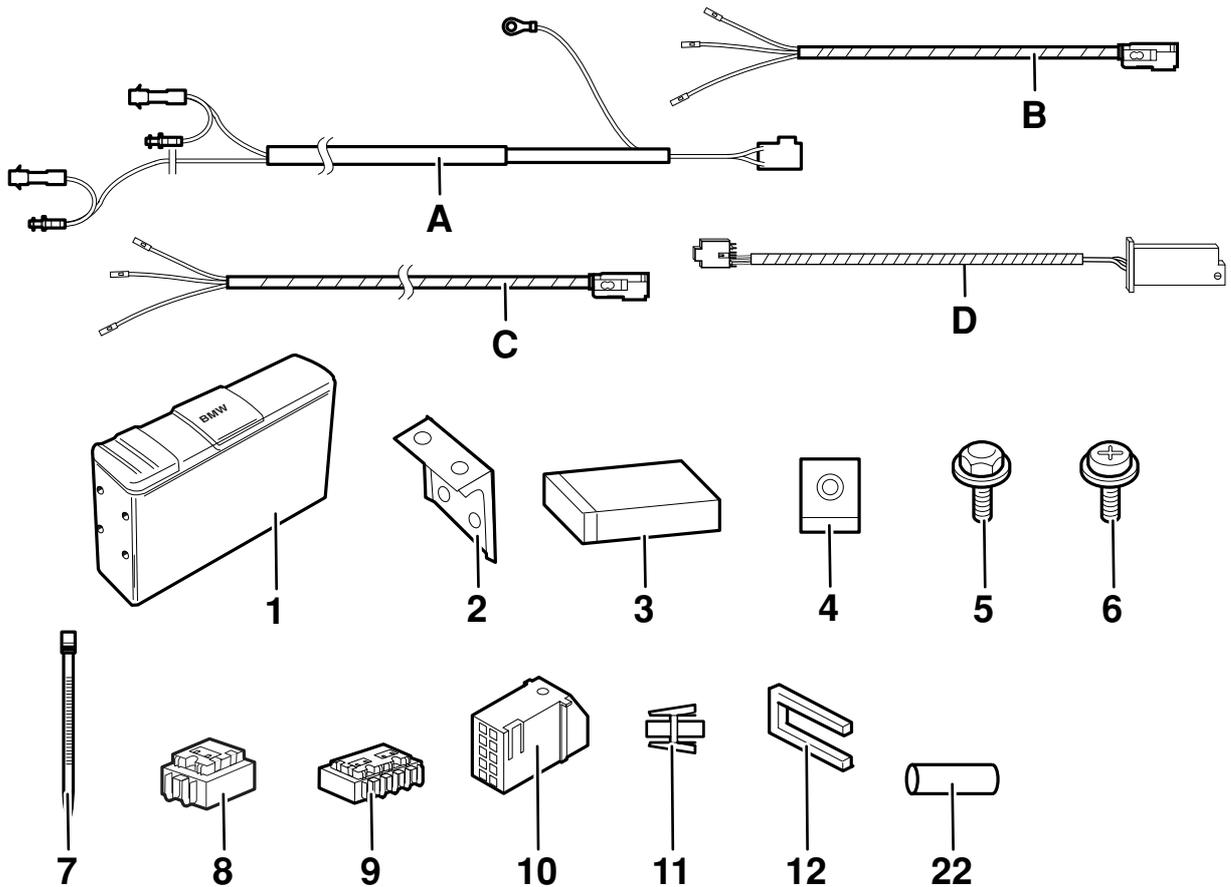
Set of flat screwdrivers  
Set of Philips screwdrivers  
Angle cutter  
1/4 inch socket set  
Cable lamp

Set of Allen keys  
1/2 inch socket set  
Set of Torx sockets  
BMW disconnection tool

## 2. Preparations

	<b>TIS instruction No.</b>
Print out error memory	-
Disconnect the battery	12 00 ...
Remove the combination roller blind	51 47 102
Remove the left boot lid.	51 47 172
<b>Only required for cars without an audio module holder</b>	
Remove the left boot trim	51 47 151
Remove the left boot noise insulation.	-
Remove the transceiver module (SE module/BIT) (if fitted)	-
Remove the audio amplifier (if fitted)	-
<b>Required for cars with an on-board monitor radio</b>	
Remove the boot floor	-
<b>Required for cars without an on-board monitor radio</b>	
Remove the rear seat bench	52 24 005
Remove the left side section of the rear seat backrest	52 26 008
Remove the front left seat	52 13 000
Remove the door sill strips at the front and rear left.	51 47 000
Remove the B pillar trim on the left	51 43 150
Remove the heater/air conditioning control	64 11 200/5/6
Remove the centre console module holder	-
Remove the radio	65 11 030

### 3. Parts list



046 0117 B

- A Power supply cable
- B CD changer connection cable\*
- C CD changer connection cable\*\*
- D CD changer adapter cable\*\*\*
- 1 6-disk CD changer
- 2 Retaining bracket (2x)
- 3 Magazine for CD changer
- 4 Speed nut M5 (4x)
- 5 Hexagonal screw M5x14 (4x)
- 6 Philips screw with washer M4x6 (4x)
- 7 Cable tie (15x)
- 8 2-way insulation-piercing connector\*
- 9 5-way insulation-piercing connector\*
- 10 10-pin black socket casing
- 11 Socket casing (2x)\*\*
- 12 Retaining clip
- 22 Shrink hose\*\*\*

\* Only required for cars with an on-board monitor radio

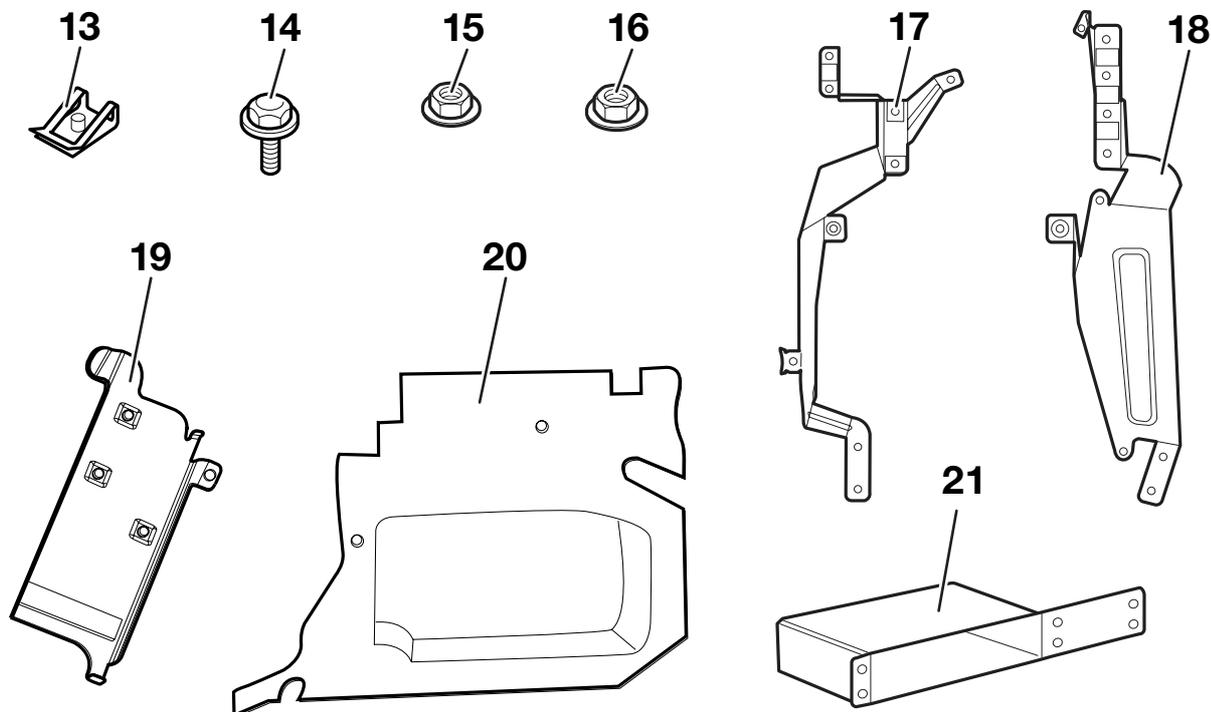
\*\* Only required for cars without an on-board monitor radio.

\*\*\* Only required for cars with an on-board monitor radio with a production date after 9/01

### 3. Parts list



The following parts are only required for cars without an audio module holder in the boot. ◀

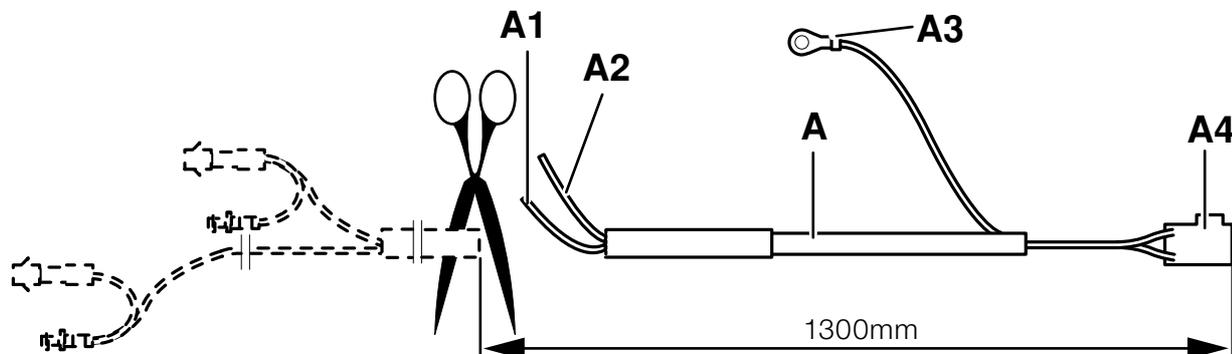


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- 13 Speed nut M5 (8x)
- 14 Hexagonal screw M5x14 (8x)
- 15 Hexagonal nut with washer M5 (4x)
- 16 Hexagonal nut with washer M6 (2x)
- 17 Front base holder
- 18 Rear base holder
- 19 SE module/BIT holder (transceiver module/basic interface telephone)
- 20 Left boot noise insulation
- 21 Oddments box

#### 4. Connection diagram for the power supply cable A (for cars with an on-board monitor radio only)

This power supply cable **A** is **only** required for cars **with** an on-board monitor radio.



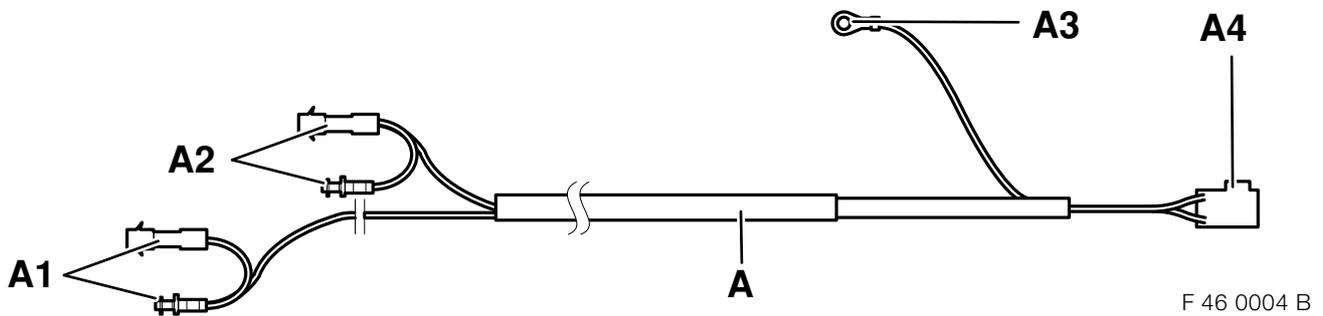
046 0119 B

Power supply cable **A** is **only** required if the black 3-pin socket casing on the CD changer power supply is not tied back on the audio wiring harness on the left-hand side of the boot.

Item	Description	Cable colour	Connection location in the car
<b>A</b>	<b>Power supply cable</b>	---	---
<b>A1</b>	1-pin black plug casing socket contact I bus	white/red/yellow	Connect to the audio wiring harness 100 mm before the 17-pin or 16-pin socket casing on the on-board monitor radio using a 2-way insulation-piercing connector (8) to white/red/yellow cable
<b>A2</b>	1-pin black plug casing socket contact terminal 30	red/green	Connect to the audio wiring harness 100 mm before the 17-pin or 16-pin socket casing on the on-board monitor radio using a 5-way insulation-piercing connector (9) to red/green cable
<b>A3</b>	Cable eyelet 6 mm	brown	Earth post <b>X13016</b> behind the audio module holder
<b>A4</b>	3-pin black socket casing	---	Power supply connection <b>X18180</b> on CD changer (1)

## 5. Connection diagram for the power supply cable A (for cars without an on-board monitor radio only)

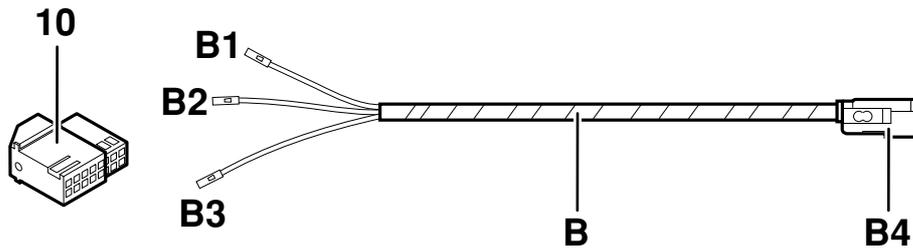
This power supply cable **A** is **only** required for cars **without** an on-board monitor radio.



Power supply cable **A** is **only** required if the black 3-pin socket casing on the CD changer power supply is not tied back on the audio wiring harness.

Item	Description	Cable colour	Connection location in the car
<b>A</b>	<b>Power supply cable</b>	---	---
<b>A1</b>	1-pin black plug casing socket contact I bus	white/red/ yellow	To radio connection plug 17-pin socket casing <b>PIN7</b> , white/red/yellow cable
<b>A2</b>	1-pin black plug casing socket contact terminal 30	red/green	To audio system retrofit plug 8-pin socket casing <b>X322</b> <b>PIN4</b> behind the heating control, red/green cable
<b>A3</b>	Cable eyelet 6 mm	brown	To earth post <b>X13016</b> behind the audio module holder
<b>A4</b>	3-pin black socket casing	---	Power supply connection <b>X18180</b> on CD changer (1)

## 6. Connection diagram for the CD changer B and C connection cables

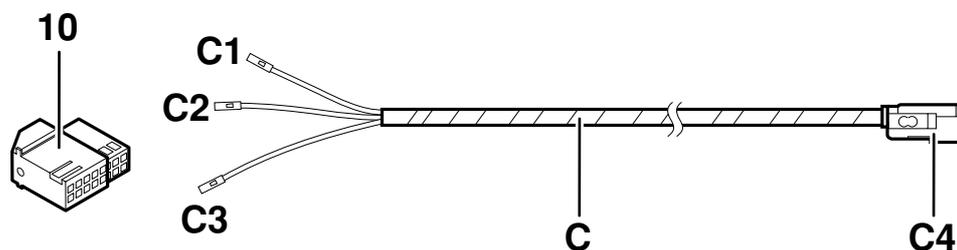


046 0184 B

The CD changer connection cable **B** is **only** required on cars **with** an on-board monitor radio if the black 6-pin socket casing on the CD changer connection cable is not tied back on the audio wiring harness.

Item	Description	Cable colour	Connection location in the car
<b>B</b>	<b>CD changer/On-board monitor radio connection cable</b>	---	---
<b>B1</b>	1-pin socket contact	white/red	To existing black 10-pin socket casing on the on-board monitor radio connection plug <b>X18126</b> in <b>PIN1</b> or to enclosed black 10-pin socket casing (10) in <b>PIN1</b>
<b>B2</b>	1-pin socket contact	white/blue	To existing black 10-pin socket casing on the on-board monitor radio connection plug <b>X18126</b> in <b>PIN2</b> or to enclosed black 10-pin socket casing (10) in <b>PIN2</b>
<b>B3</b>	1-pin socket contact	white/brown	To existing black 10-pin socket casing on the on-board monitor radio connection plug <b>X18126</b> in <b>PIN6</b> or to enclosed black 10-pin socket casing (10) in <b>PIN6</b>
<b>B4</b>	6-pin black socket casing	---	To CD changer (1)
<b>10</b>	10-pin black socket casing	---	To on-board monitor radio connection plug <b>X18126</b>  <b>Only cars with an on-board monitor radio with a production date after 9/01</b> with connected socket contacts <b>B1</b> , <b>B2</b> and <b>B3</b> to silver 10-pin plug casing branch <b>D1</b> of the CD changer <b>D</b> adapter cable

6. Connection diagram for the CD changer B and C connection cables

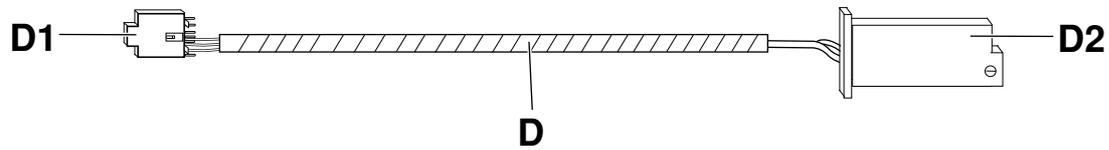


046 0185 B

The CD changer connection cable **C** is **only** required on cars **without** an on-board monitor radio if the black 6-pin socket casing on the CD changer connection cable is not tied back on the audio wiring harness.

Item	Description	Cable colour	Connection location in the car
<b>C</b>	<b>CD changer/Radio connection cable</b>	---	---
<b>C1</b>	1-pin socket contact	white/red	To existing black 10-pin socket casing on the radio connection plug <b>X18126</b> in <b>PIN1</b> or to enclosed black 10-pin socket casing (10) in <b>PIN1</b>
<b>C2</b>	1-pin socket contact	white/blue	To existing black 10-pin socket casing on the radio connection plug <b>X18126</b> in <b>PIN2</b> or to enclosed black 10-pin socket casing (10) in <b>PIN2</b>
<b>C3</b>	1-pin socket contact	white/brown	To existing black 10-pin socket casing on the radio connection plug <b>X18126</b> in <b>PIN6</b> or to enclosed black 10-pin socket casing (10) in <b>PIN6</b>
<b>C4</b>	6-pin black socket casing	---	To CD changer (1)
<b>10</b>	10-pin black socket casing	---	To radio connection plug <b>X18126</b>

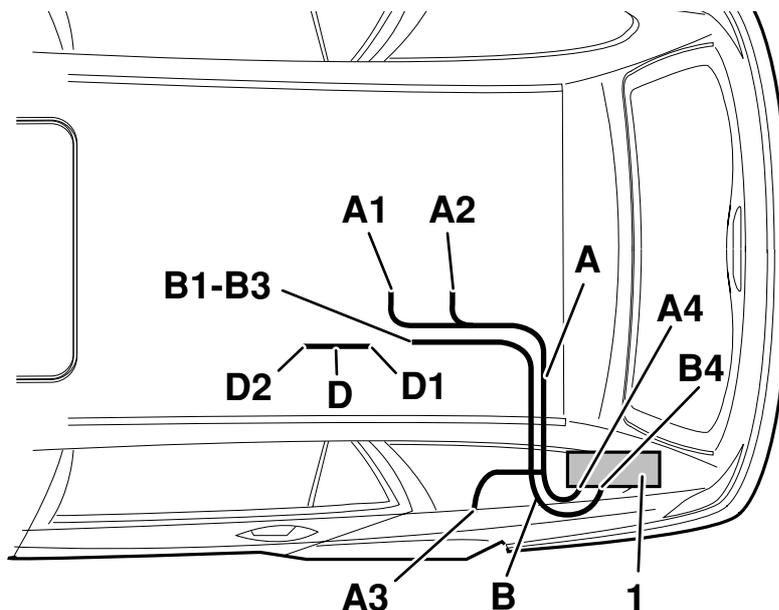
**7. Connection diagram for the CD changer D adapter cable  
(for cars with an on-board monitor radio from production date 9/01 only)**



046 0839 B

Item	Description	Cable colour	Connection location in the car
<b>D</b>	<b>CD changer connection cable</b>	---	---
<b>D1</b>	Silver 10-pin plug casing	---	To black 10-pin socket casing (10) with connected socket contacts <b>B1</b> , <b>B2</b> and <b>B3</b> of the CD changer/on-board monitor radio connection cable
<b>D2</b>	White 12-pin socket casing	---	To new generation on-board monitor radio connection plug at the rear

## 8. Installation and cabling diagram (for cars with an on-board monitor radio only)



046 0120 B

Install the power supply cable **A**, the CD changer connection cable **B** and the CD changer adapter cable **D** as shown in the figure and secure them with cable ties.

### **Cut the power support cable A before installing it (see sections 11 and 12).**

Branches **A1** and **A2** to the on-board monitor radio connection plug **X18126** in the boot pan  
Branch **A3** to the earth post **X13016** on the left-hand side of the boot  
Branch **A4** to the CD changer (1) in the boot

Branches **B1** to **B3** to the on-board monitor radio in the boot pan

 In cars with an on-board monitor radio from production date 9/01 onwards, connect branches **B1** to **B3** to branch **D1** of the CD changer adapter cable **D**. ◀

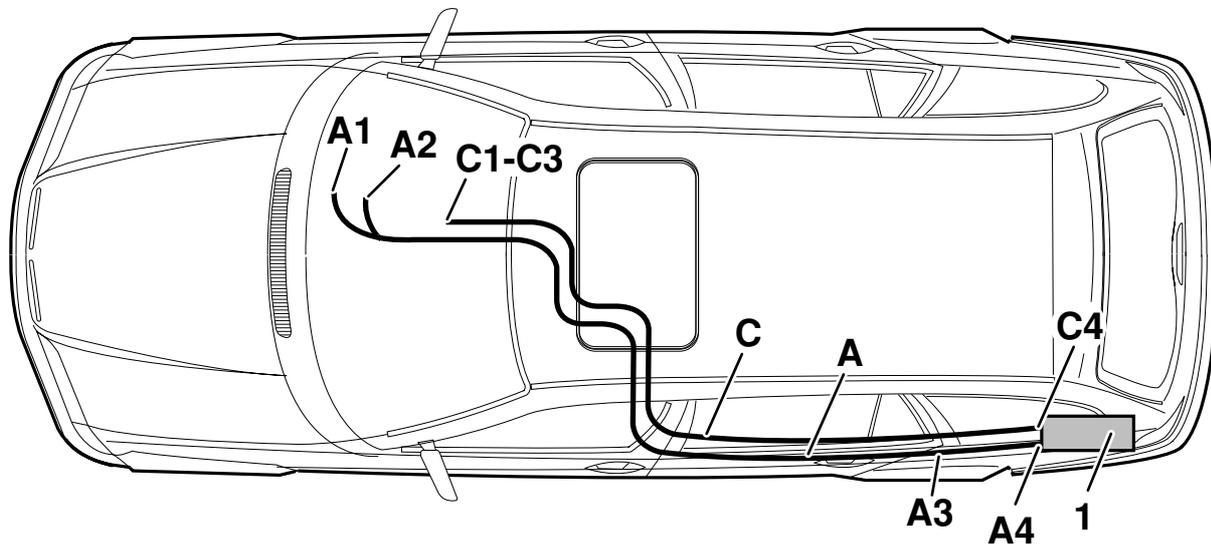
Branch **B4** to the CD changer (1) in the boot

**The CD changer D adapter cable is only required in cars with an on-board monitor radio from production date 9/01 onwards.**

Branch **D1** to branches **B1**, **B2** and **B3** of the CD changer/on-board monitor radio connection cable  
Branch **D2** to the new generation on-board monitor radio

**Tie back any excess lengths.**

## 9. Installation and cabling diagram (for cars without an on-board monitor radio only)



046 0844 B

Install the power supply cable **A** and the CD changer connection cable **B** as shown in the figure and secure them with cable ties.

When installing the power supply cable **A** start with branches **A1** and **A2**.

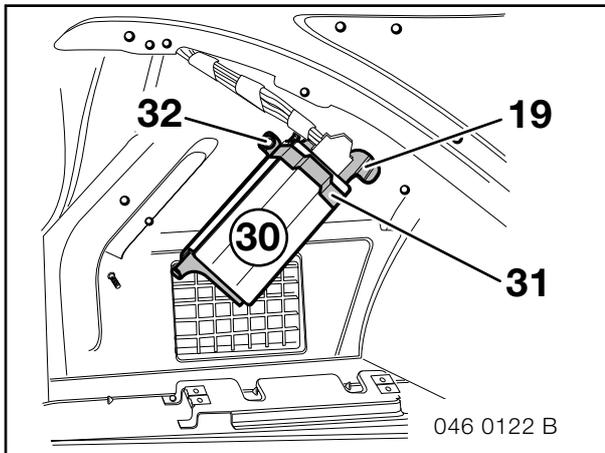
Branch **A1** to the radio connection plug **X18126** on the radio at the front  
Branch **A2** to the retrofit plug **X322** behind the heating / air conditioning control  
Branch **A3** to the earth post **X13016** on the left-hand side of the boot  
Branch **A4** to the CD changer (1) in the boot

Branches **C1-C3** to the radio at the front  
Branch **C4** to the CD changer (1) in the boot

**Tie back any excess lengths.**

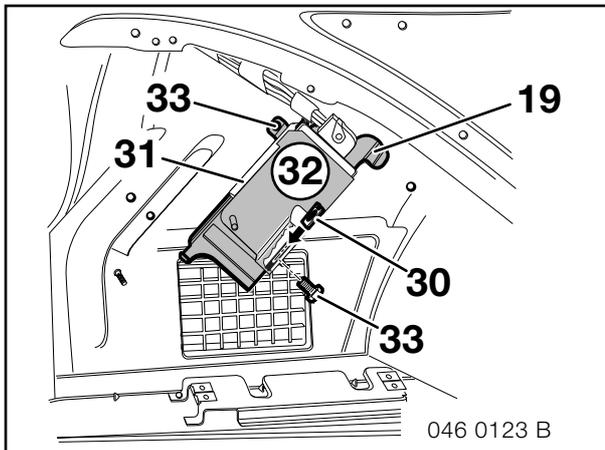
## 10. To install the audio module holder (only required for cars without an audio module holder in the boot)

The following three work steps are only necessary for vehicles which have a transceiver (SE unit/BIT) fitted in the side part, rear left.



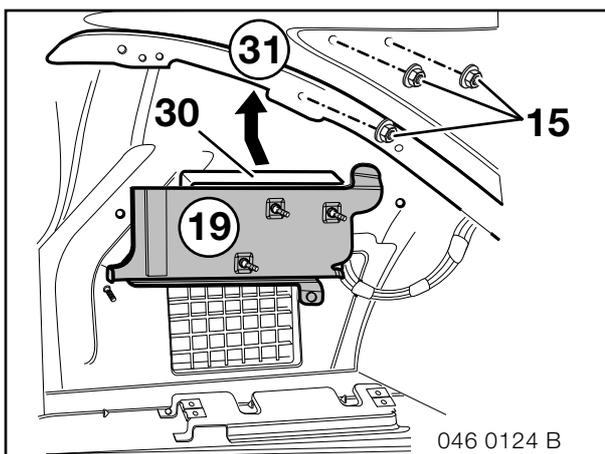
▶ The figure shows the **new** installation of the transceiver module (permanent telephone installation). ◀

Connect the transceiver module (30) and insert it into the **new** SE module/BIT holder (19). Engage the existing bar for the SE module (31) (which you removed with the transceiver module) in the strap for the **new** SE module/BIT holder (19) and secure it to the new SE module/BIT holder (19) using the existing hexagonal screw M5x14 (32).



▶ The figure shows the **new** installation of the basic interface telephone (mobile). ◀

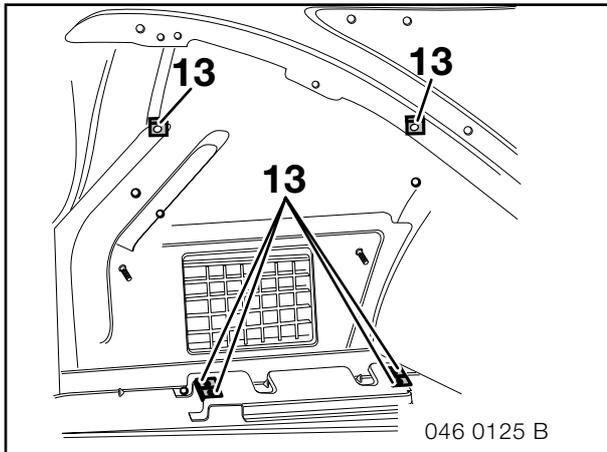
Place the existing speed nut M5 (30) on the **new** SE module/BIT holder (19). Connect the basic interface telephone (31) and insert it into the **new** SE module/BIT holder (19). Engage the existing bar for the BIT (32) (which you removed with the basic interface telephone) into the strap for the **new** SE module/BIT holder (19) and secure it to the **new** SE module/BIT holder (19) using the existing hexagonal screws M5x14 (33).



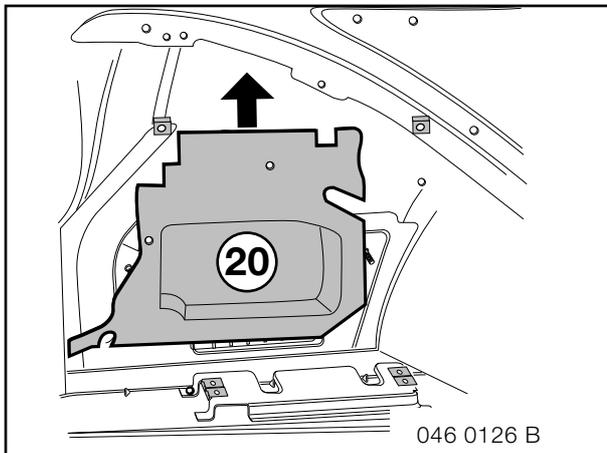
Push the **new** SE module/BIT holder (19) with the mounted and connected transceiver module and basic interface telephone (30) horizontally behind the cross strut (31) in the side section at the rear left and secure it with the three hexagonal nuts with washers M5 (15).

10. To install the audio module holder  
(only required for cars without an audio module holder in the boot)

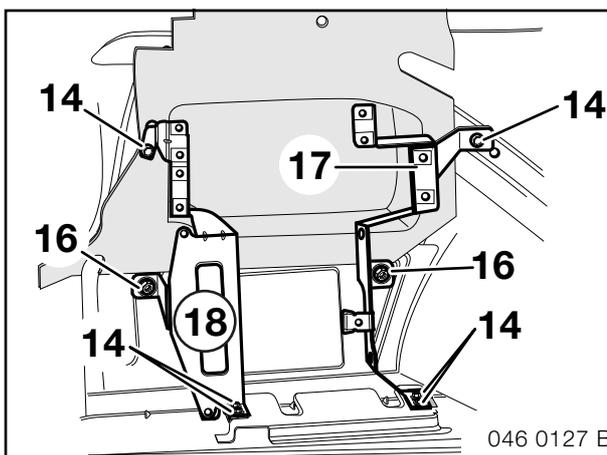
**The following three work steps are required for all vehicles.**



Push six speed nuts M5 (13) onto the mounting points on the body.



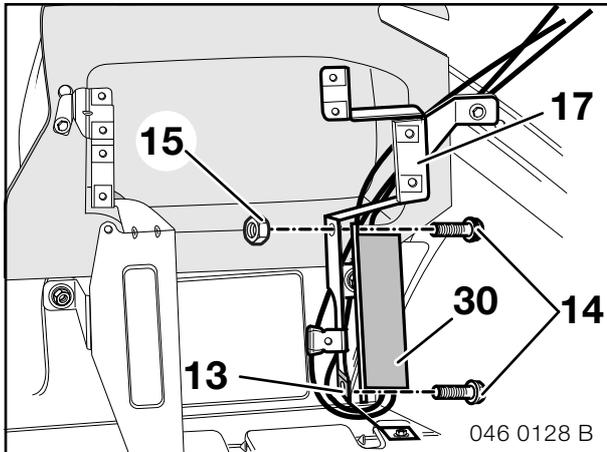
Insert sound insulation for boot (20).



Insert the front base holder (17) and secure it with three hexagonal screws M5x14 (14) and one nut M6 with washer (18).  
Insert the rear base holder (18) and secure it with three hexagonal screws M5x14 (16) and one nut M6 with washer (16).

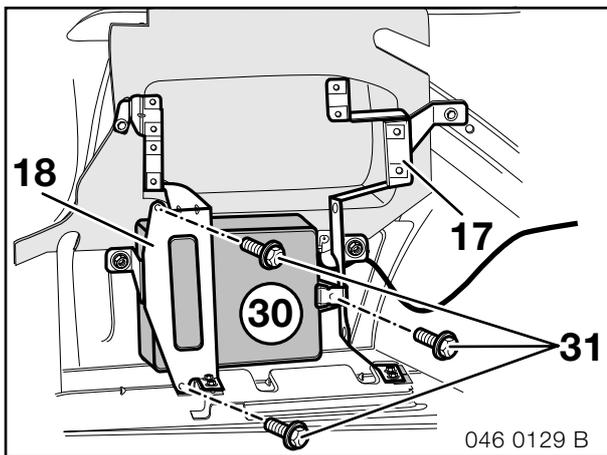
10. To install the audio module holder  
(only required for cars without an audio module holder in the boot)

**The following work is only required in cars with a compensator (cable compensator for mobile phone).**



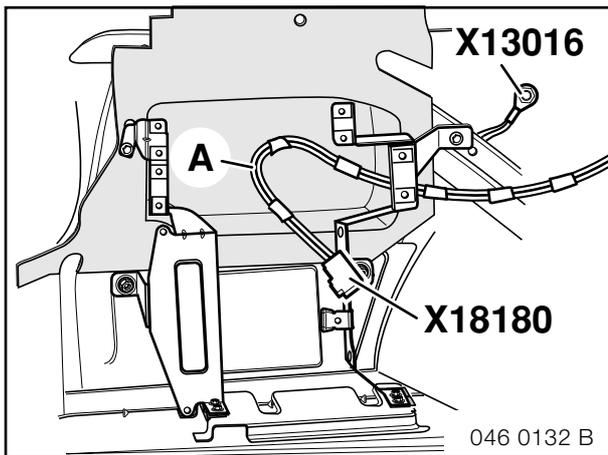
Put on speed nut M5 (13).  
Screw both antenna cables on to the compensator (30).  
Screw the compensator (30) to the front base holder (17) with two hexagonal screws M5x14 (14) and one hexagonal nut M5 (15) and connect the power supply cable for the compensator.

**The following work step is only required for cars with an audio amplifier.**

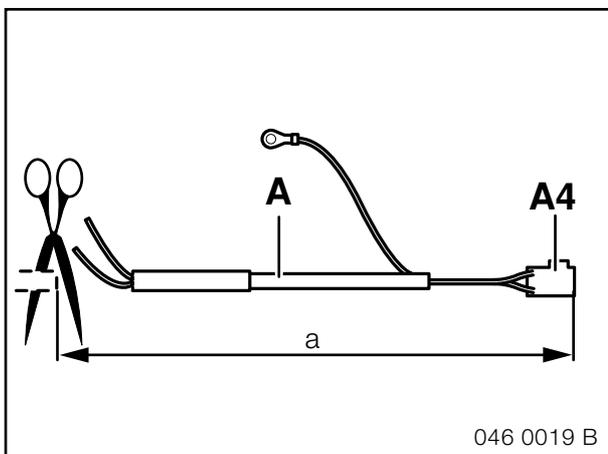


Connect the black 42-pin socket casing of the audio wiring harness to the audio amplifier (30).  
Insert audio amplifier (30) between base carrier, rear (18) and base carrier, front (17) (it may be necessary to loosen the brackets) and screw it on with the three existing hexagonal screws M6x10 (31).

**11. To install the CD changer  
(for cars with an on-board monitor radio up to production date 9/01 only)**

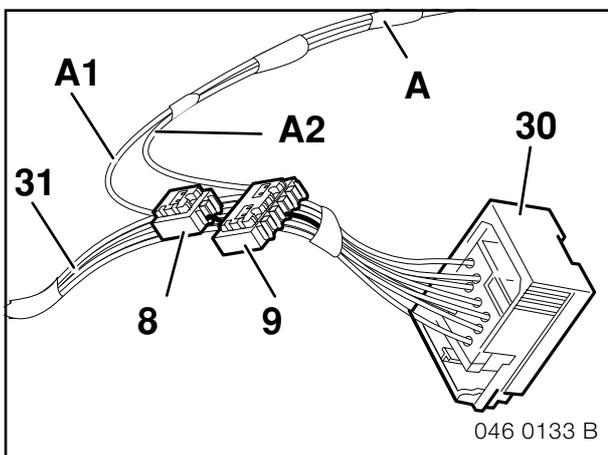


The installation of the power supply cable **A** is only required if the black 3-pin socket casing **X18180** on the power supply for the CD changer is **not** tied back near the earth post **X13016** on the audio wiring harness. ◀



Cut the power supply cable **A** 1300 mm after the 3-pin socket casing **A4**. Remove the sheathing over a length of 50 mm so that the insulation on both cables is not damaged.

Dimension **a** = 1300 mm



Carefully cut open the sheathing on the audio wiring harness (31) 100 mm after the black 17-pin socket casing (30) for the on-board monitor radio over a length of 100 mm.

Connect the cable end **A1**, white/red/yellow cable, to the cable on the audio wiring harness (31), white/red/yellow cable, using a 2-way insulation-piercing connector (8).

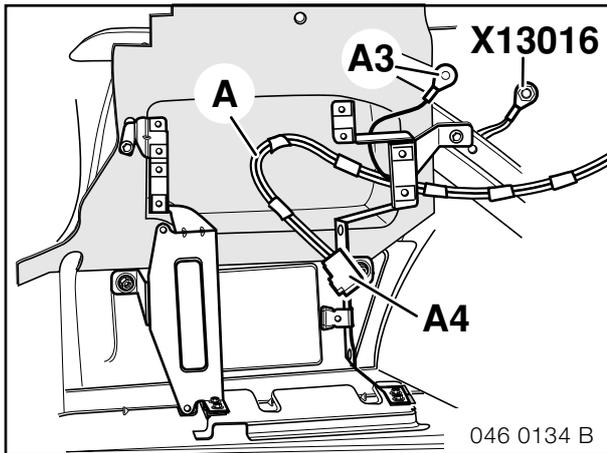
Connect the cable end **A2**, red/green cable, to the cable on the audio wiring harness (31), red/green cable, using a 5-way insulation-piercing connector (9).



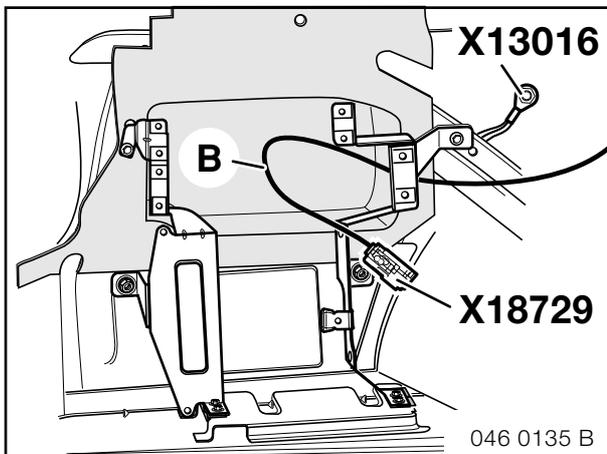
The red/green cable on the audio wiring harness that passes through it must be in the centre recess of the 5-way insulation-piercing connector (9) and the cable end **A2** must be in one of the outer recesses. The cable ends **A1** and **A2** must not project out of the insulation-piercing connectors. ◀

Lay the power supply cable **A** along the audio wiring harness to the installation location of the CD changer and secure it with cable ties.

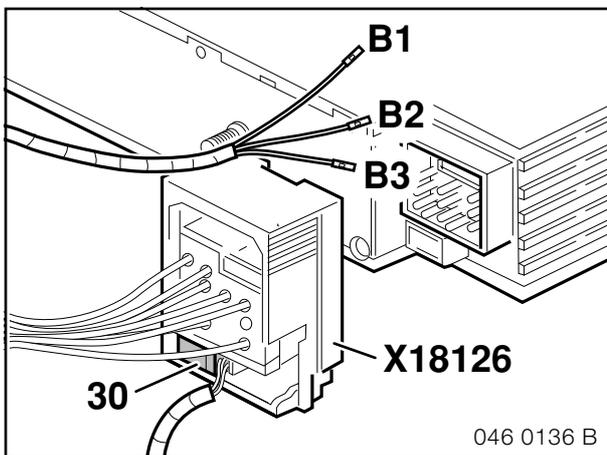
11. To install the CD changer (for cars with an on-board monitor radio up to production date 9/01 only)



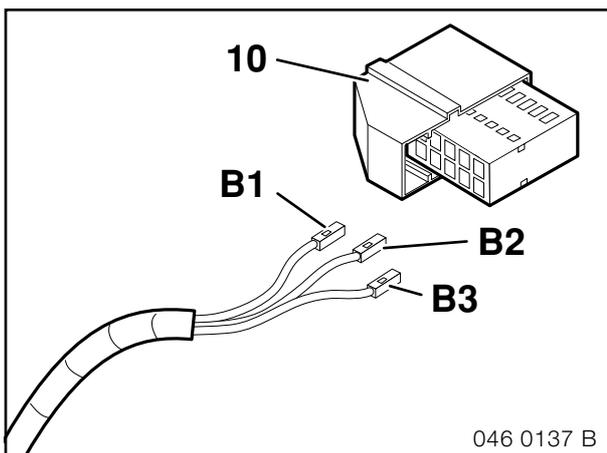
Connect branch **A3**, earth eyelet 6 mm, brown cable, on the power supply cable **A** to the earth post X13016 behind the audio module holder. Lay branch **A4**, black 3-pin socket casing, to the installation location of the CD changer.



▶ The CD changer connection cable **B** only has to be installed if the black 6-pin socket casing **X18729** on the CD changer connection cable is not tied back on the audio wiring harness near the earth post **X13016**. ◀

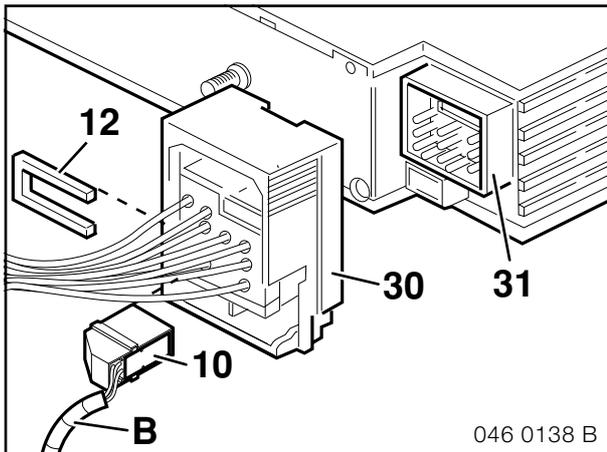


If the black 10-pin socket casing (30) is already installed in the on-board monitor radio connection plug **X18126**, branches **B1** to **B3** on the CD changer connection cable **B** are also to be connected to the socket casing (30).

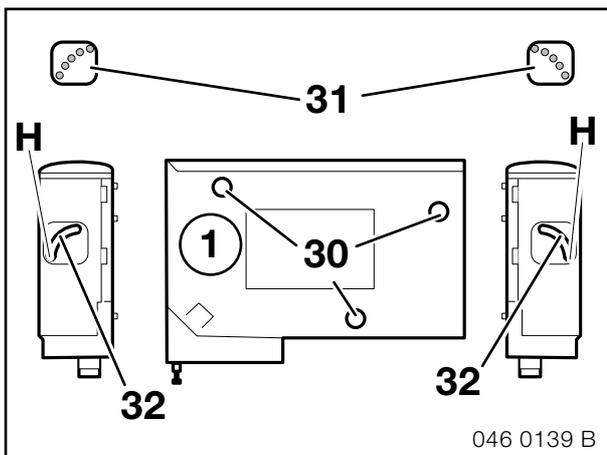


Connect branch **B1**, white/red cable, to **PIN1**, branch **B2**, white/blue cable, to **PIN2** and branch **B3**, white/brown cable, to **PIN6** on the CD changer connection cable **B** to the existing or enclosed black 10-pin socket casing (10).

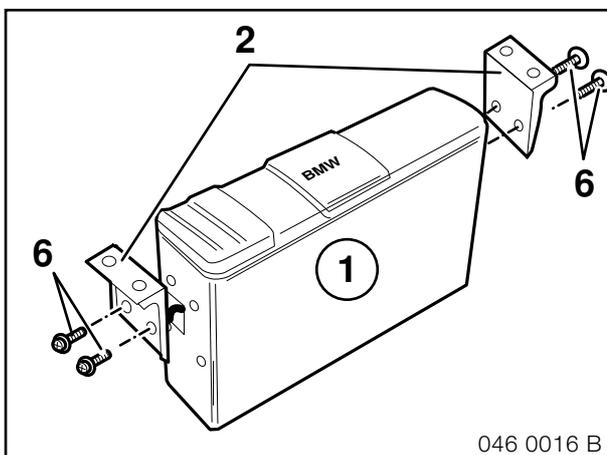
11. To install the CD changer (for cars with an on-board monitor radio up to production date 9/01 only)



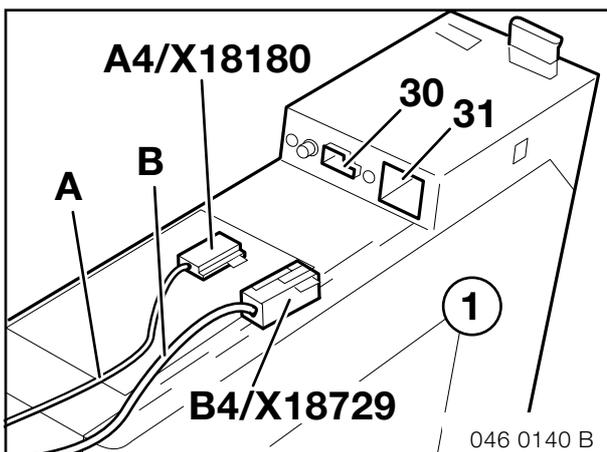
Connect the black 10-pin socket casing (10) on the CD changer connection cable **B** to the black 17-pin socket casing (30) and secure it with retaining clips (12). Connect the black 17-pin socket casing (30) to the 17-pin plug casing (31) on the on-board monitor radio. Lay the CD changer connection cable **B** along the audio wiring harness to the installation location of the CD changer and secure it with cable ties.



Remove the three transport guard screws (30) from the CD changer (1) and seal the apertures with the adhesive discs supplied (adhesive discs are supplied with the CD changer). Remove the two covers (31) and set the adjustment mechanism (32) with a flat screwdriver to **H** (horizontal installation) and then re-affix both covers (31).

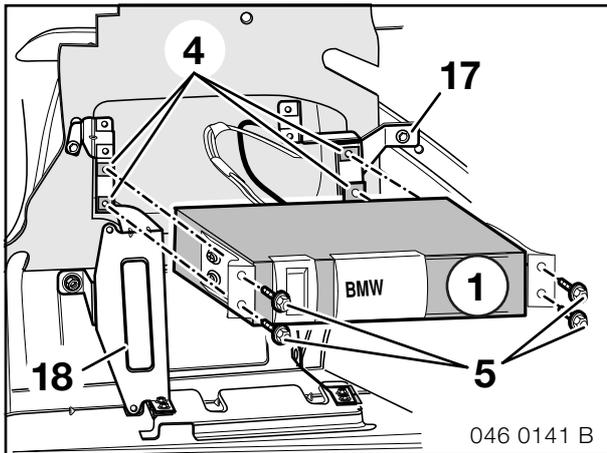


Bolt the retaining bracket (2) to the CD changer (1) using four Philips screws (6).



Connect branch **A4**, black 3-pin socket casing on the power supply cable **A** or the standard power supply plug **X18180** to the plug casing (30) on the power supply connector (30) on the CD changer (1). Connect branch **B4**, black 6-pin socket casing on the CD changer connection cable **B** or the standard plug **X18729** to the plug casing (31) on the CD changer (1).

11. To install the CD changer (for cars with an on-board monitor radio up to production date 9/01 only)

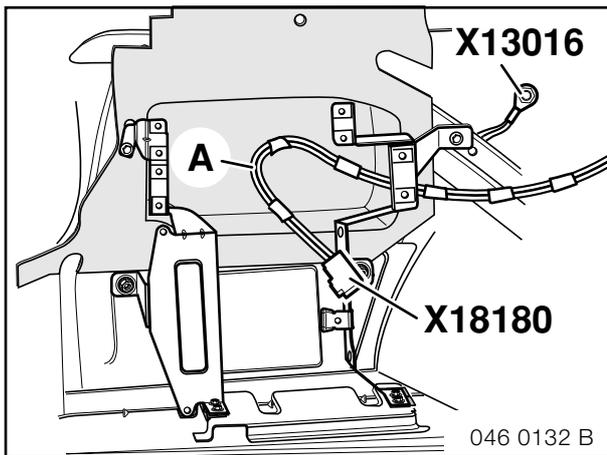


Put two speed nuts M5 (4) on the front base holder (17) and the rear base holder (18). Insert the connected CD changer (1) with the fitted retaining brackets into the shaft opening and secure it with four hexagonal screws (5).

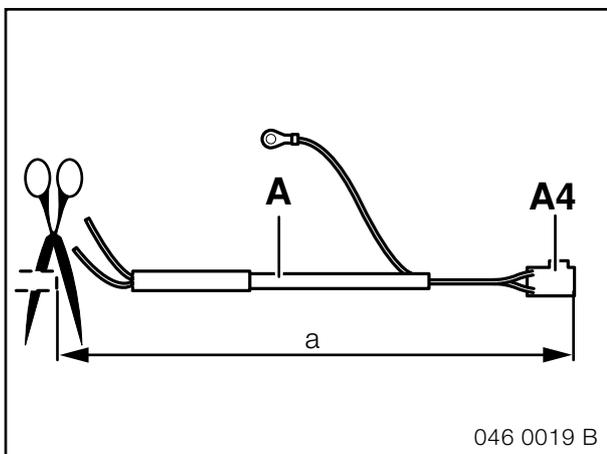


As you insert the component ensure that no cables/leads are damaged. ◀

**12. To install the CD changer  
(for cars with an on-board monitor radio from production date 9/01 only)**

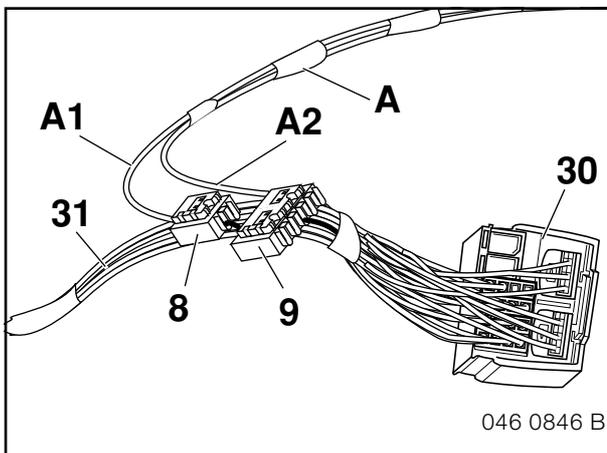


The installation of the power supply cable **A** is only required if the black 3-pin socket casing **X18180** on the power supply for the CD changer is **not** tied back near the earth post **X13016** on the audio wiring harness. ◀



Cut the power supply cable **A** 1300 mm after the 3-pin socket casing **A4**. Remove the sheathing over a length of 50 mm so that the insulation on both cables is not damaged.

Dimension **a** = 1,300 mm



Carefully cut open the sheathing on the audio wiring harness (31) 100 mm after the black 16-pin socket casing (30) for the on-board monitor radio over a length of 100 mm.

Connect the cable end **A1**, white/red/yellow cable, to the cable on the audio wiring harness (31), white/red/yellow cable, using a 2-way insulation-piercing connector (8).

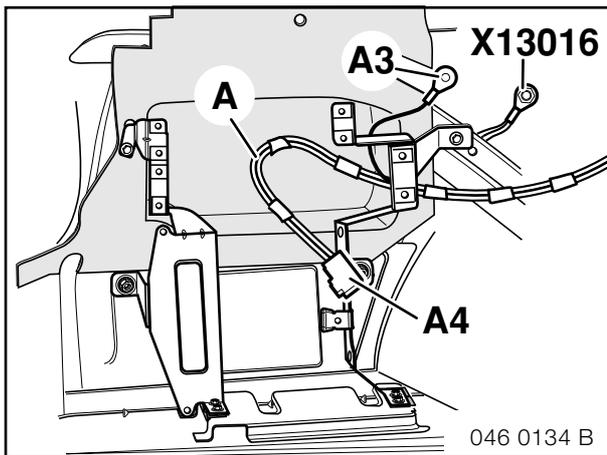
Connect the cable end **A2**, red/green cable, to the cable on the audio wiring harness (31), red/green cable, using a 5-way insulation-piercing connector (9).



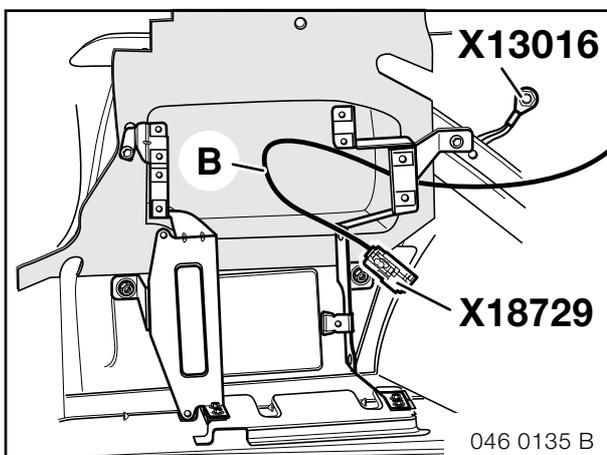
The red/green cable on the audio wiring harness that passes through it must be in the centre recess of the 5-way insulation-piercing connector (9) and the cable end **A2** must be in one of the outer recesses. The cable ends **A1** and **A2** must not project out of the insulation-piercing connectors. ◀

Lay the power supply cable **A** along the audio wiring harness to the installation location of the CD changer and secure it with cable ties.

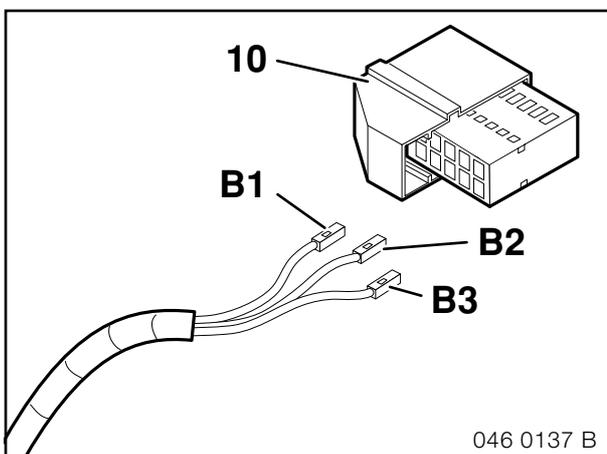
12. To install the CD changer (for cars with an on-board monitor radio from production date 9/01 only)



Connect branch **A3**, earth eyelet 6 mm, brown cable, on the power supply cable **A** to the earth post X13016 behind the audio module holder. Lay branch **A4**, black 3-pin socket casing, to the installation location of the CD changer.

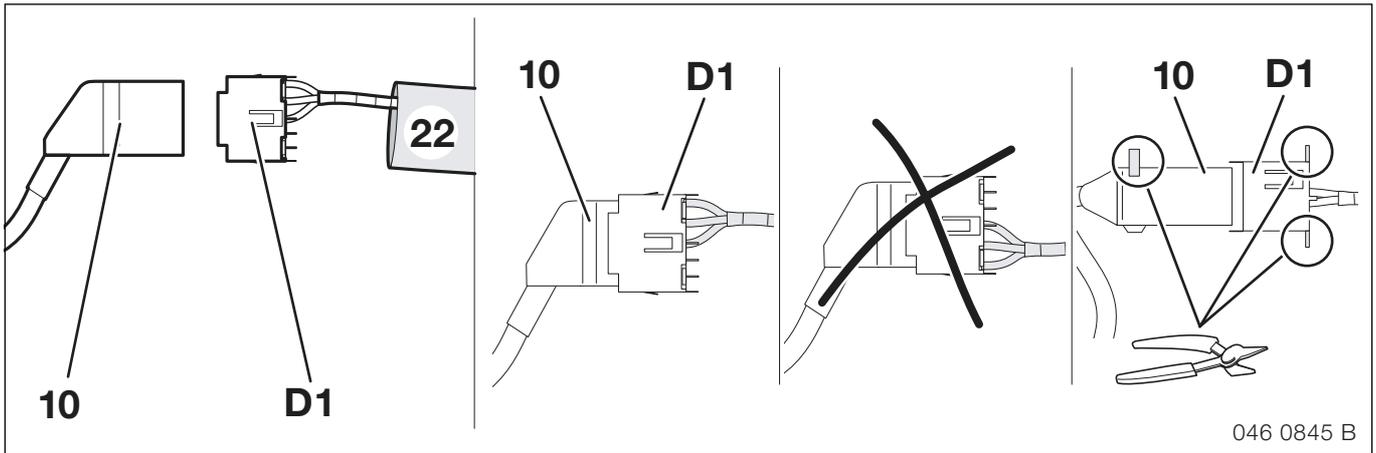


▶ The CD changer connection cable **B** only has to be installed if the black 6-pin socket casing **X18729** on the CD changer connection cable is not tied back on the audio wiring harness near the earth post **X13016**. ◀



Connect branch **B1**, white/red cable, to **PIN1**, branch **B2**, white/blue cable, to **PIN2** and branch **B3**, white/brown cable, to **PIN6** on the CD changer connection cable **B** to the enclosed black 10-pin socket casing (10).

12. To install the CD changer (for cars with an on-board monitor radio from production date 9/01 only)



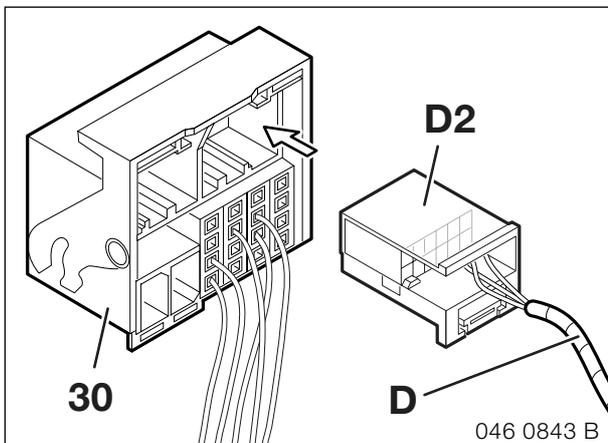
Push the shrink hose (22) over the branch **D1**, silver 10-pin plug casing, of the CD changer adapter cable **D** and connect the black 10-pin socket casing (10) with connected socket contacts **B1**, **B2** and **B3** of the CD changer/on-board monitor radio connection cable **B**.

▶ As you connect (10) to **D1**, ensure that it is correctly positioned, see figure. ◀

All sharp metal and plastic detents are to be removed from plug connector (10) and **D1** using an angle cutter.

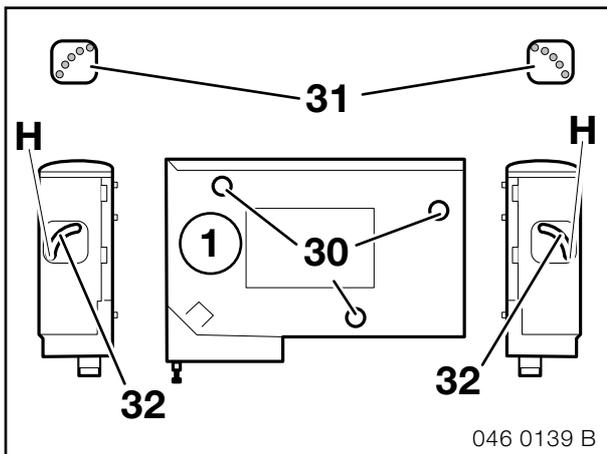
▶ There must be no sharp edges or corners on plug connector (10) and **D1**. ◀

Push the shrink hose (22) over the plug connector (10) and **D1** and shrink it using a hot air blower.

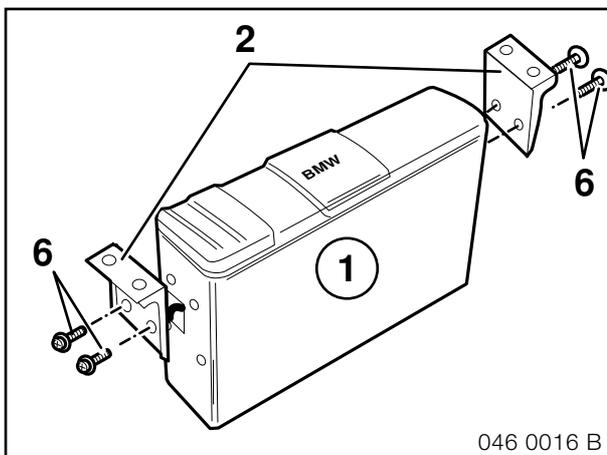


Insert the white 12-pin socket casing **D2** of the CD changer adapter cable **D** into the new generation on-board monitor radio connection plug (30). Connect the new generation on-board monitor connection plug (30) and install the radio.

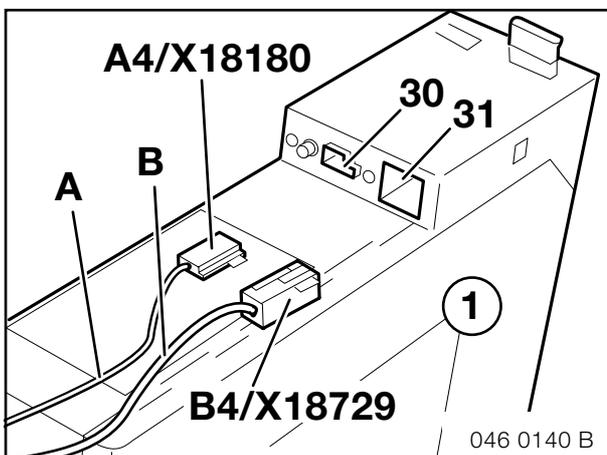
12. To install the CD changer (for cars with an on-board monitor radio from production date 9/01 only)



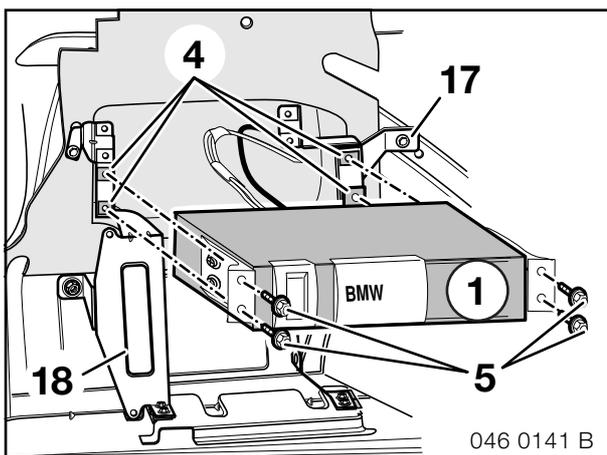
Remove the three transport guard screws (30) from the CD changer (1) and seal the apertures with the adhesive discs supplied (adhesive discs are supplied with the CD changer). Remove the two covers (31) and set the adjustment mechanism (32) with a flat screwdriver to **H** (horizontal installation) and then re-affix both covers (31).



Bolt the retaining bracket (2) to the CD changer (1) using four Philips screws (6).



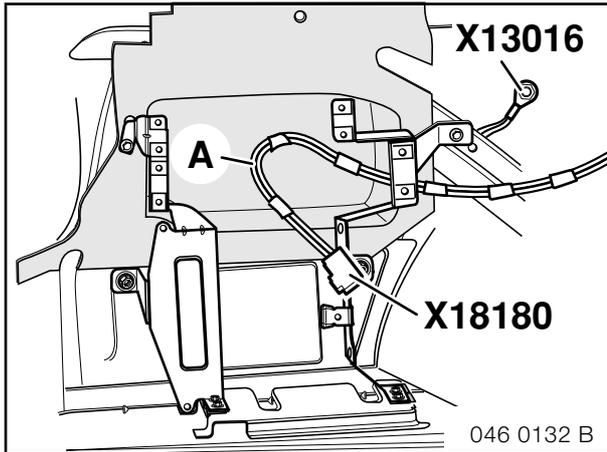
Connect branch **A4**, black 3-pin socket casing on the power supply cable **A** or the standard power supply plug **X18180** to the plug casing on the power supply connector (30) on the CD changer (1). Connect branch **B4**, black 6-pin socket casing on the CD changer connection cable **B** or the standard plug **X18729** to the plug casing (31) on the CD changer (1).



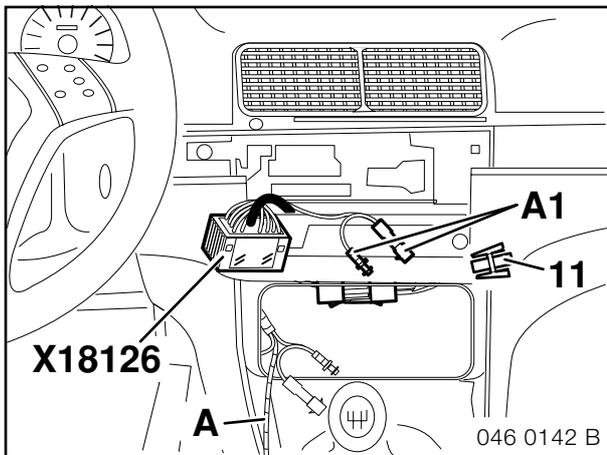
Put two speed nuts M5 (4) on the front base holder (17) and the rear base holder (18). Insert the connected CD changer (1) with the fitted retaining brackets into the shaft opening and secure it with four hexagonal screws (5).

▶ As you insert the component ensure that no cables/leads are damaged. ◀

**13. To install the CD changer (cars without an on-board monitor only)**



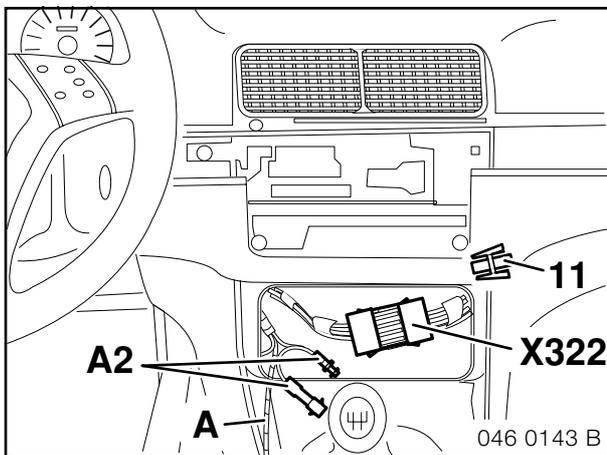
The installation of the power supply cable **A** is only required if the black 3-pin socket casing **X18180** on the connection cable for the CD changer is not tied back near the earth post **X13016** on the audio wiring harness. ◀



Open the black 17-pin socket casing **X18126** and disconnect the existing socket contact from slot **PIN7**, white/red/yellow cable.

Connect branch **A1**, 1-pin socket contact, white/red/yellow cable on the power supply cable **A** to the black 17-pin socket casing **X18126** in slot **PIN7**.

Connect the supplied black 1-pin socket casing (11) to the disconnected socket contact and connect this to branch **A1**, black 1-pin plug casing, white/red/yellow cable.

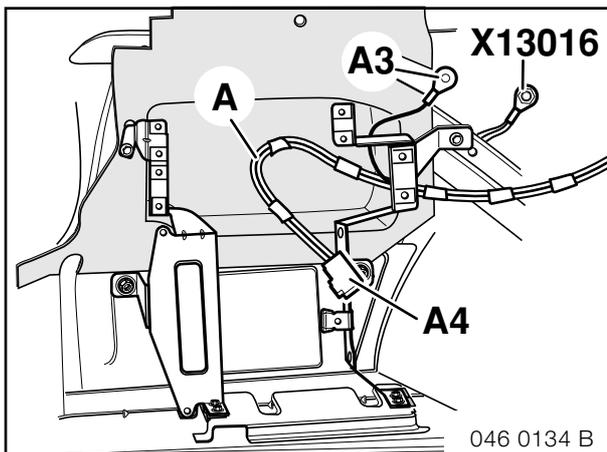


Open the black 8-pin socket casing **X322** and disconnect the existing socket contact from slot **PIN4**, red/green cable.

Connect branch **A2**, 1-pin socket contact, red/green cable on the power supply cable **A** to the black 8-pin socket casing **X322** in slot **PIN4**.

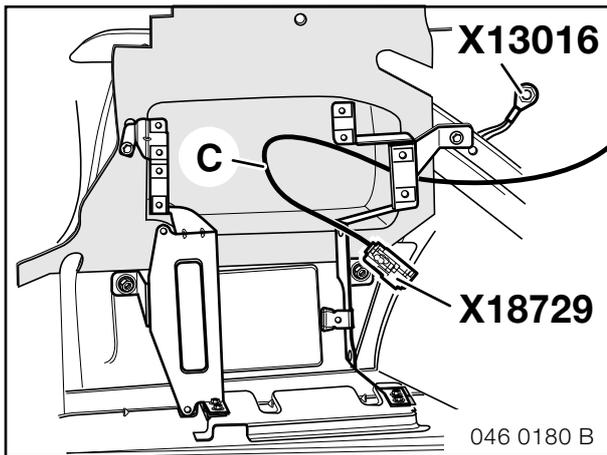
Connect the supplied black 1-pin socket casing (11) to the disconnected socket contact and connect this to branch **A2**, black 1-pin plug casing, red/green cable.

Lay the power supply cable **A** along the audio wiring harness to the installation location of the CD changer and secure it with cable ties.

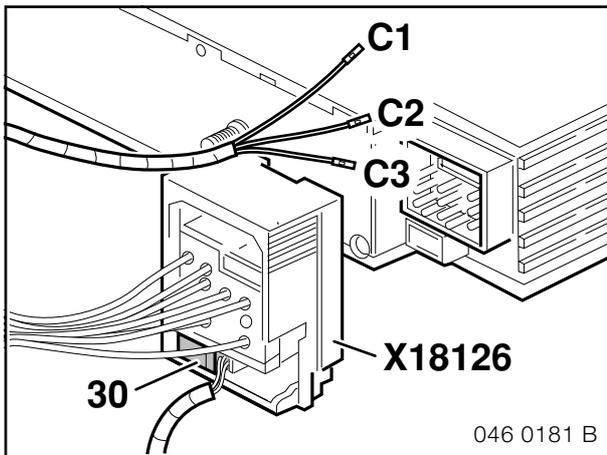


Connect branch **A3**, earth eyelet 6 mm, brown cable, on the power supply cable **A** to the earth post **X13016** behind the audio module holder. Lay branch **A4**, black 3-pin socket casing, to the installation location of the CD changer.

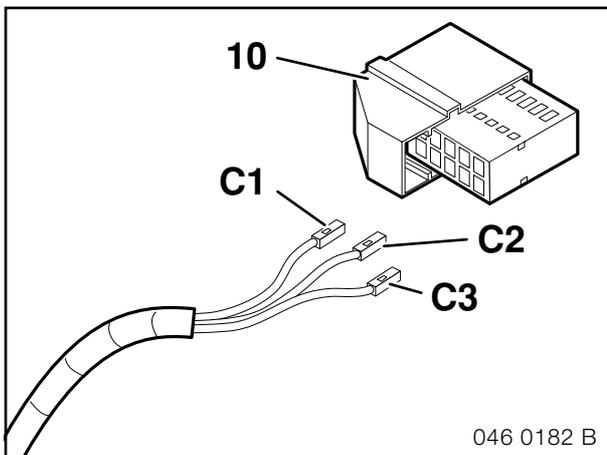
13. To install the CD changer (cars without an on-board monitor only)



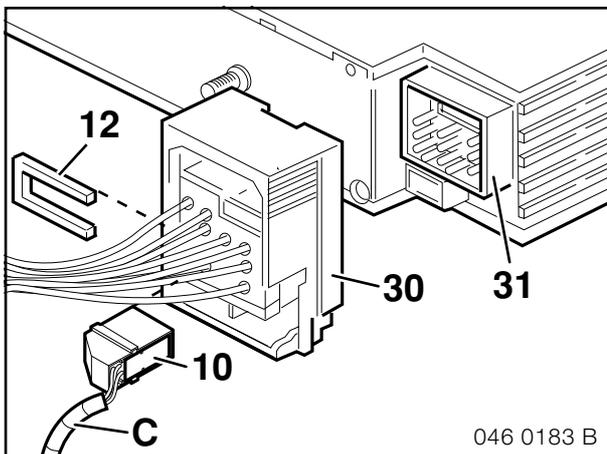
The CD changer connection cable **C** only has to be installed if the black 6-pin socket casing **X18729** on the CD changer connection cable is not tied back on the audio wiring harness near the earth post **X13016**. ◀



If the black 10-pin socket casing (30) is already installed in the radio connection plug **X18126**, branches **C1** to **C3** on the CD changer connection cable **C** are also to be connected to the socket casing (30).

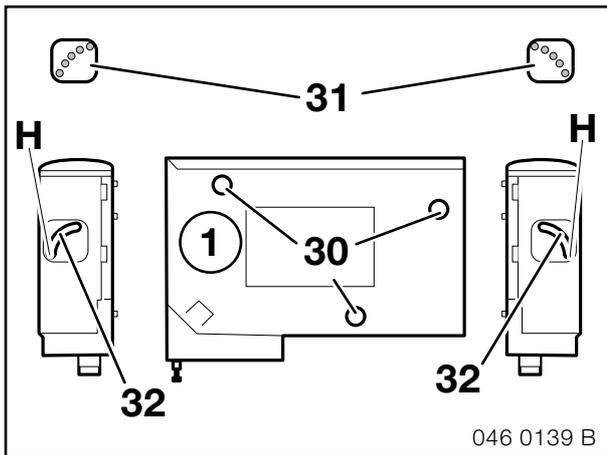


Connect branch **C1**, white/red cable, to **PIN1**, branch **C2**, white/blue cable, to **PIN2** and branch **C3**, white/brown cable, to **PIN6** on the CD changer connection cable **C** to the existing or enclosed black 10-pin socket casing (10).

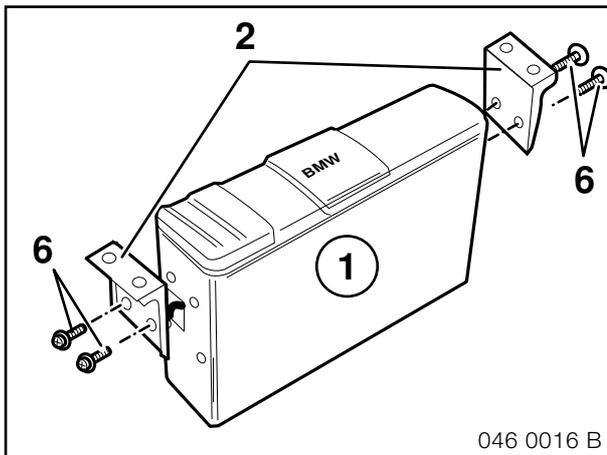


Connect the black 10-pin socket casing (10) on the CD changer connection cable **C** to the black 17-pin socket casing (30) and secure it with retaining clips (12). Connect the black 17-pin socket casing (30) to the 17-pin plug casing (31) on the on-board monitor radio. Lay the CD changer connection cable **C** along the audio wiring harness to the installation location of the CD changer and secure it with cable ties.

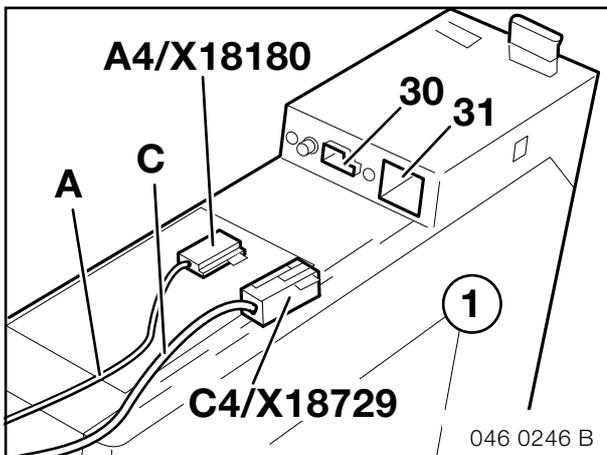
13. To install the CD changer (cars without an on-board monitor only))



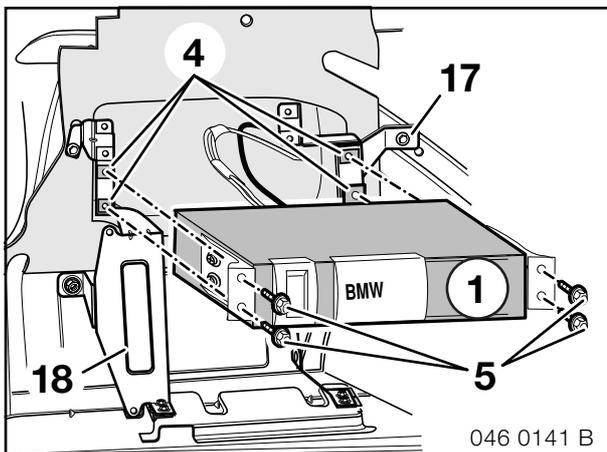
Remove the three transport guard screws (30) from the CD changer (1) and seal the apertures with the adhesive discs supplied (adhesive discs are supplied with the CD changer). Remove the two covers (31) and set the adjustment mechanism (32) with a flat screwdriver to **H** (horizontal installation) and then re-affix both covers (31).



Bolt the retaining bracket (2) to the CD changer (1) using four Philips screws (6).



Connect branch **A4**, black 3-pin socket casing on the power supply cable **A** or the standard power supply plug **X18180** to the plug casing on the power supply connector (30) on the CD changer (1). Connect branch **C4**, black 6-pin socket casing on the CD changer connection cable **C** or the standard plug **X18729** to the plug casing (31) on the CD changer (1).



Put two speed nuts M5 (4) on the front base holder (17) and the rear base holder (18). Insert the connected CD changer (1) with the fitted retaining brackets into the shaft opening and secure it with four hexagonal screws (5).



As you insert the component ensure that no cables/leads are damaged. ◀

## 14. Coding and concluding work

### Coding

This system is not diagnostics-capable and **does not need coding.**

### Concluding work

Connect battery

Conduct a function test

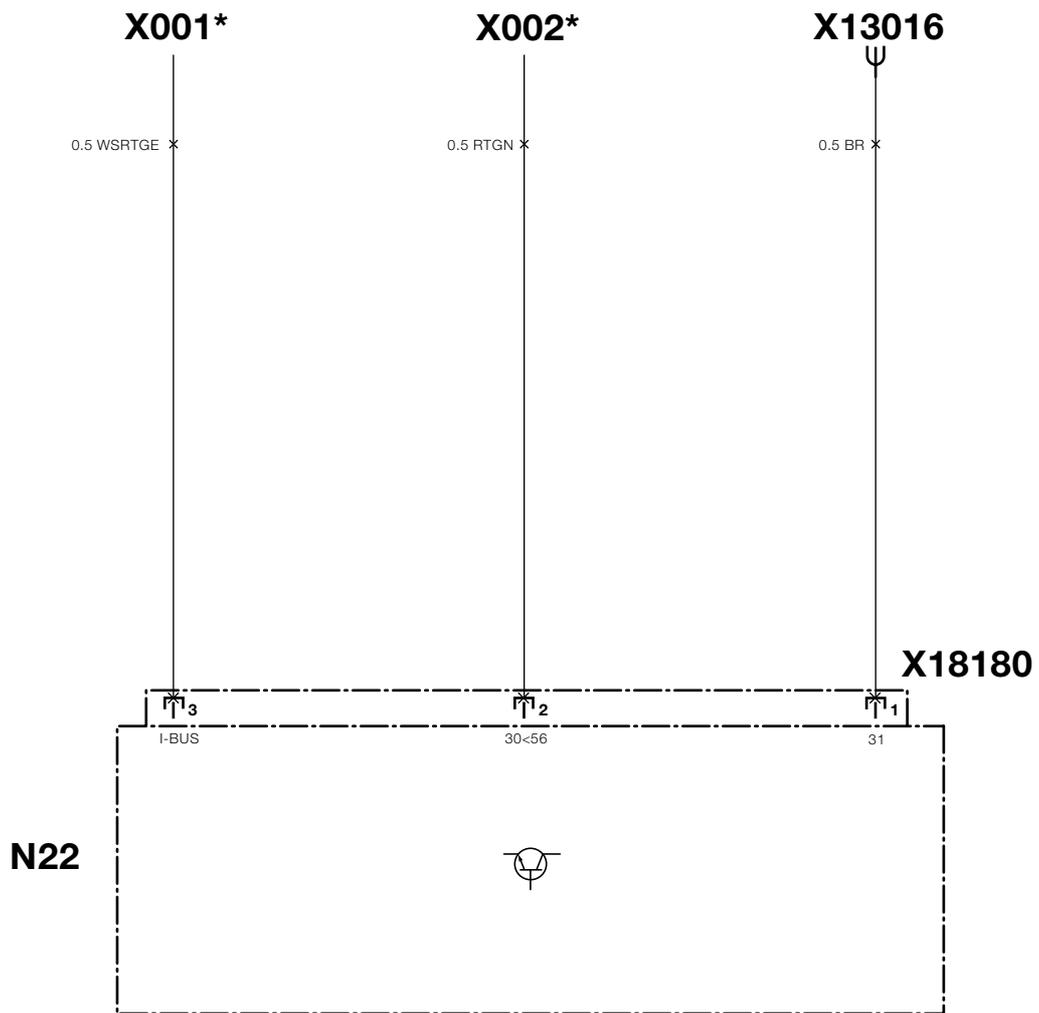
Reassemble the car by following the instructions for its dismantling in reverse order

Print out error memory

## 15. Function

The function of the CD changer is described in the radio owner's manual.

## 16. Circuit diagram (for cars with an on-board monitor radio only)



046 0045 B

## 16. Circuit diagram (for cars with an on-board monitor radio only)

### Legend

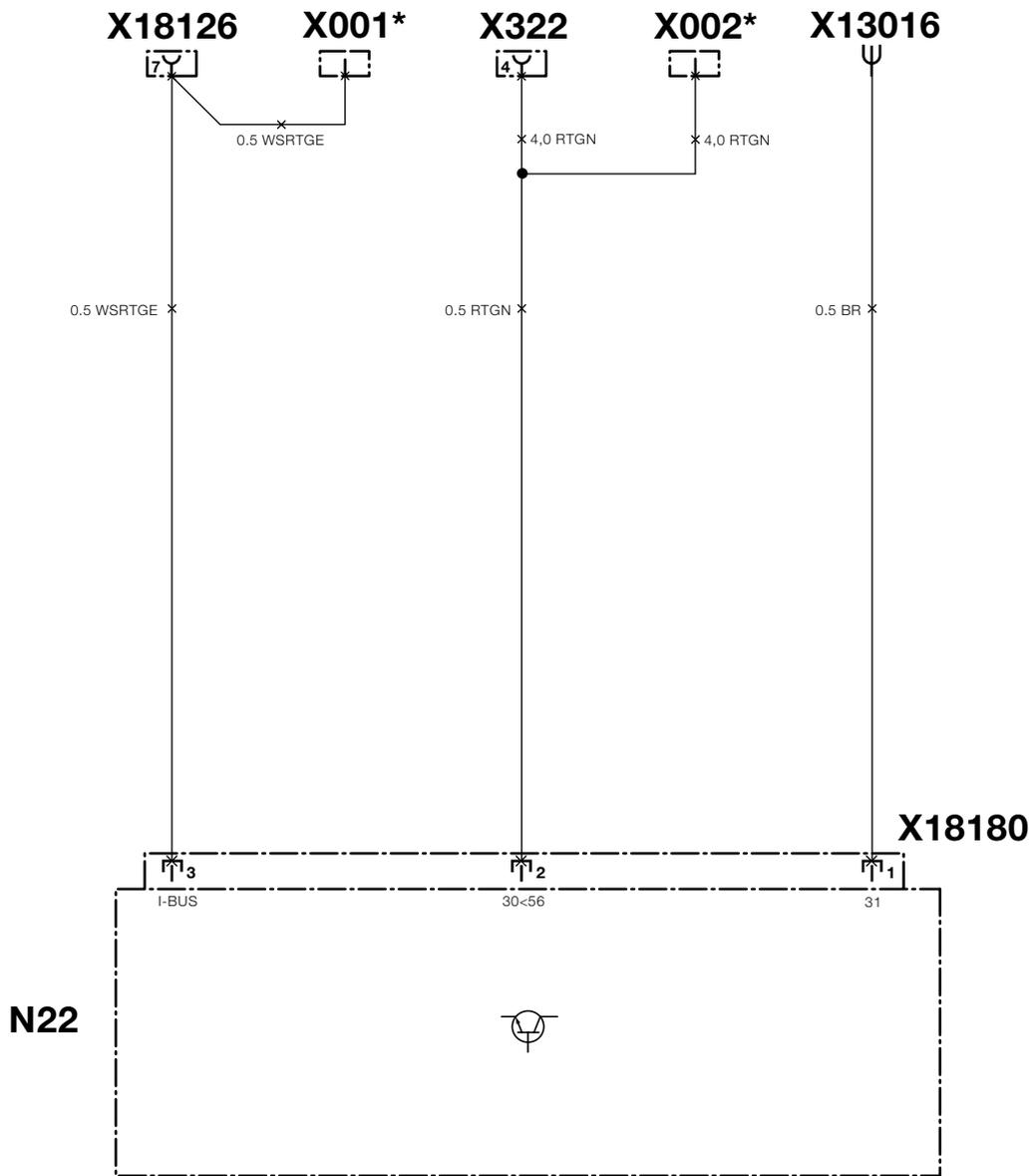
<b>N22</b>	CD changer
<b>X001*</b>	Open cable end (with insulation-piercing connector)
<b>X002*</b>	Open cable end (with insulation-piercing connector)
<b>X13016</b>	Cable eyelet, 6 mm in diameter
<b>X18180</b>	Black 3-pin plug connector CD changer

The components and X designations marked with an asterisk (\*) are only valid for this circuit diagram.  
All the other components and X designations correspond to BMW after-sales circuit diagrams

### Colour abbreviations

BL	=	Blue
BR	=	Brown
GE	=	Yellow
GN	=	Green
GR	=	Grey
OR	=	Orange
RT	=	Red
SW	=	Black
VI	=	Violet
WS	=	White

# 17. Circuit diagram (for cars without an on-board monitor radio only)



046 0021 B

## 17. Circuit diagram (for cars without an on-board monitor radio only)

### Legend

<b>N22</b>	CD changer
<b>X001*</b>	1-pin black plug casing
<b>X002*</b>	1-pin black plug casing
<b>X322</b>	Black 8-pin plug connector Audio systems
<b>X13016</b>	Cable eyelet, 6 mm in diameter
<b>X18126</b>	Black 17-pin socket casing, radio
<b>X18180</b>	Black 3-pin plug connector CD changer

The components and X designations marked with an asterisk (\*) are only valid for this circuit diagram.

All the other components and X designations correspond to BMW after-sales circuit diagrams

### Colour abbreviations

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