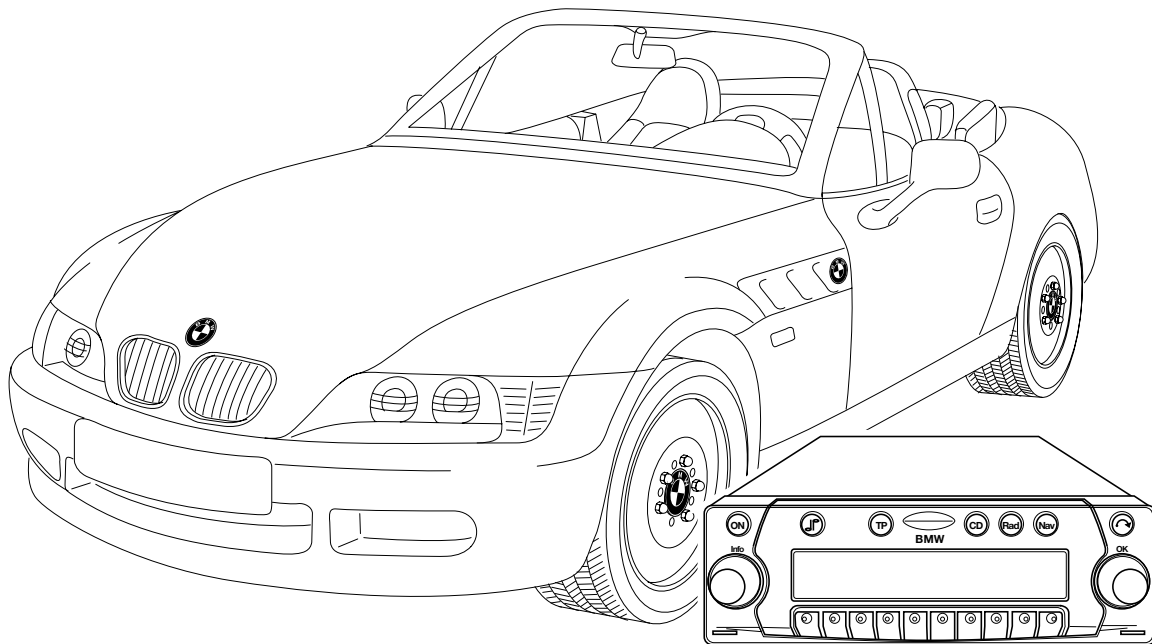




BMW Parts and Accessories Installation Instructions



F 36 0168 B

BMW Traffic Pro installation kit

- BMW Z3 roadster (E36/7)**
- BMW Z3 Coupé (E36/7)**
- BMW Z3 M roadster (E36/7)**
- BMW Z3 M Coupé (E36/7)**

Specialist and electrical knowledge required.
The installation time is approx. 1 hour, but this may vary depending on the condition of the car and the equipment in it.

Retrofit/Installation kit No.: 65 90 0 027 973
Retrofit/Installation kit No.: 65 90 0 139 835

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1. Important information for installing the mudflaps


Only for use within the BMW dealer organisation.

The navigation radio may only be installed by a specialist workshop that has the required special tools and manuals.

Ensure that the cables/lines are not kinked or damaged as you install them in the car. Additional cables/lines that you install must be secured with cable ties.

Item numbers refer only to the overview drawings and to the texts next to the appropriate figure.

 The operating manual and commissioning instructions supplied with the kit must be given to the owner of the car. ◀

 On cars with a CD changer, the owner must be told that the CD changer will no longer work when the navigation radio has been installed. ◀

Subject to technical modifications

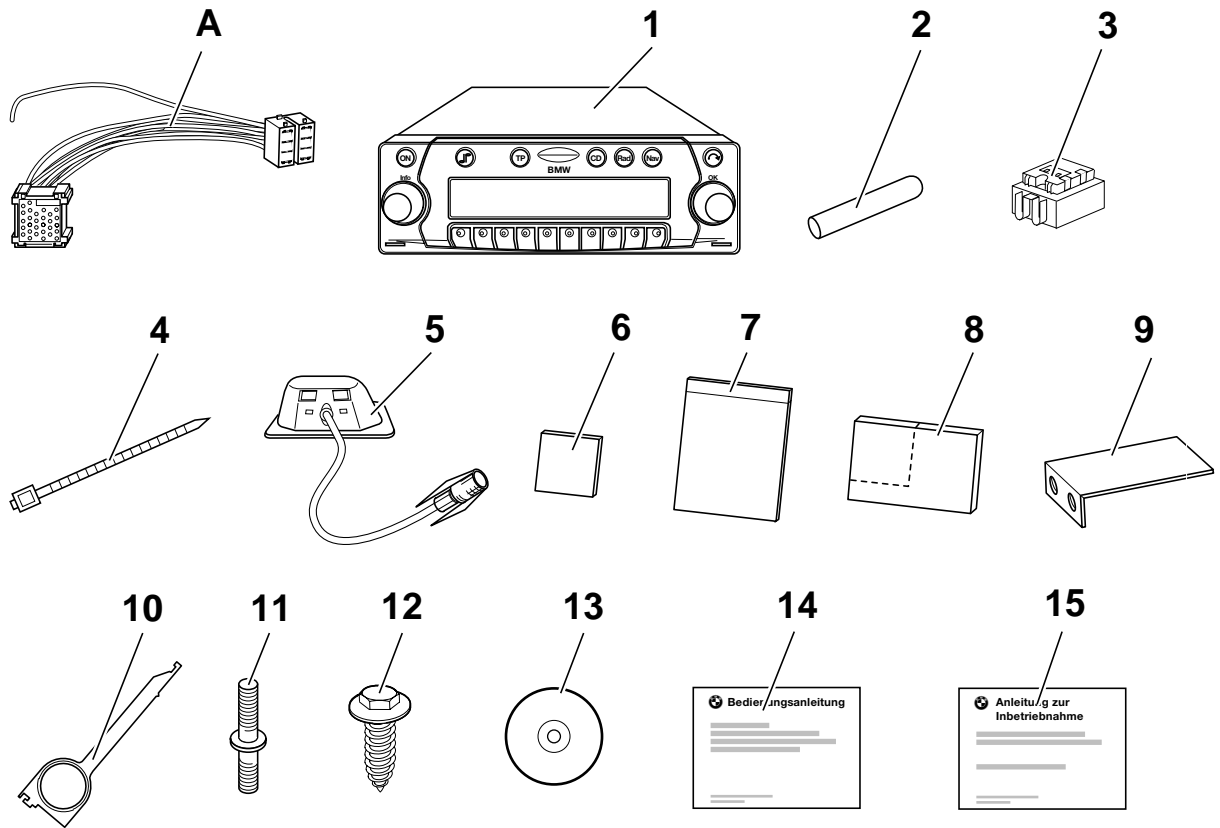
Tools and equipment required

MoDIC III or DIS	Set of Philips screwdrivers
Set of straight slot screwdrivers	Short Philips screwdriver
1/4 inch socket set	Set of Allen keys
Angle cutter	Cable lamp

2. Preparations

	TIS AW-Nr.
Conduct a short test (print out the error memory)	
Disconnect the battery	1200
Remove the radio (remove the installation frame if necessary)	65 11 030
Remove the centre fresh air grille	51 16 200
Remove the footwell trim on the driver's side	51 45 180
Remove the bottom A pillar trim on the driver's side	

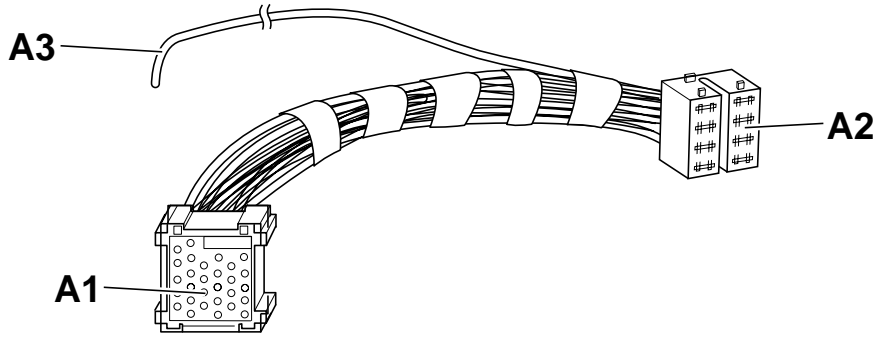
3. Parts overview



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- A Adapter cable
- 1 Navigation radio
- 2 Radio retaining pin
- 3 Insulation-piercing connector
- 4 Cable tie (10x)
- 5 GPS aerial with retaining plate
- 6 Adhesive section (double-sided)
- 7 Rattle guard (2x)
- 8 Damping strip
- 9 Retaining bracket (not required)
- 10 Installation clip (2x)
- 11 Stud bolt
- 12 Hexagonal screw with washer 4.8x13 (2x) (not required)
- 13 CD-ROM
- 14 Operating manual
- 15 Commissioning instructions

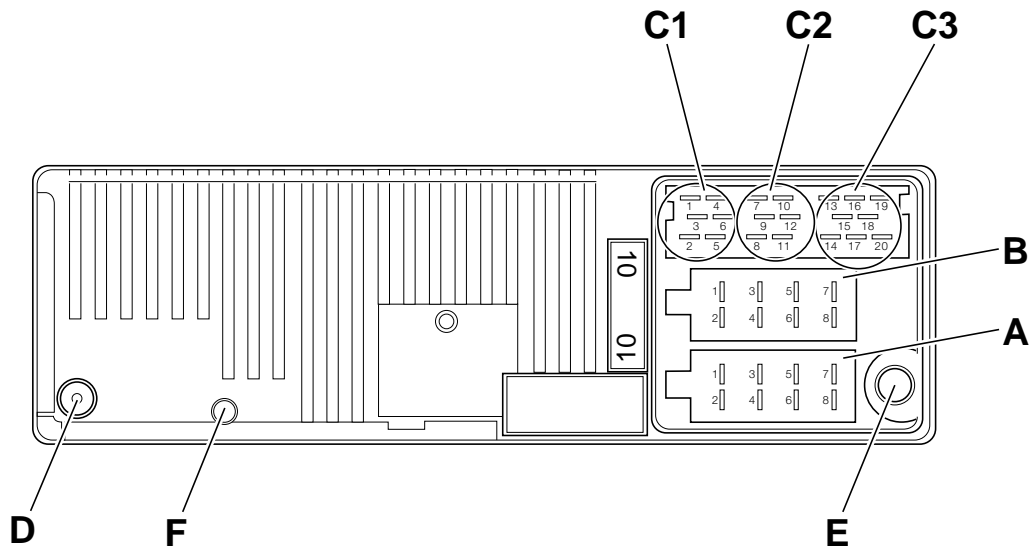
4. Connection overview for the adapter cable



F 36 0170 B

Item	Design / Description	Cable colour	Connection site in the car
A	Adapter cable	-	-
A1	Black 17-pin plug casing	-	To the black 17-pin socket casing X18126 in the centre console
A2	Black 16-pin socket casing	-	To the navigation radio in the centre console
A3	Exposed wire end	blue/yellow	To the standard wiring harness, near the door sill at the front left using an insulation-piercing connector

5. Connection overview for the navigation radio



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Chamber A

- 1 Speed signal (TAA)
- 2 Signal from reversing light (RS)
- 3 Telephone mute
- 4 Continuous positive
- 5 Control output for automatic aerial / amplifier
- 6 Light (terminal 58G)
- 7 Switched positive (terminal 15)
- 8 Earth (terminal 31)

Chamber B

- 1 Speaker rear right +
- 2 Speaker rear right -
- 3 Speaker front right +
- 4 Speaker front right -
- 5 Speaker front left +
- 6 Speaker front left -
- 7 Speaker rear left +
- 8 Speaker rear left -

Chamber C1

- 1 LineOut rear left
- 2 LineOut rear right
- 3 Low frequency earth
- 4 LineOut front left
- 5 LineOut front right
- 6 Subwoofer LineOut

Chamber C2

- 7-12 Specific connection for CD changer

Chamber C3

- 13 Low frequency telephone input
- 14 Earth telephone input
- 15-17 Specific connection for CD changer
- 18 CD low frequency earth (AUX)
- 19 CD low frequency left (AUX)
- 20 CD low frequency right (AUX)

Socket D

Radio aerial socket

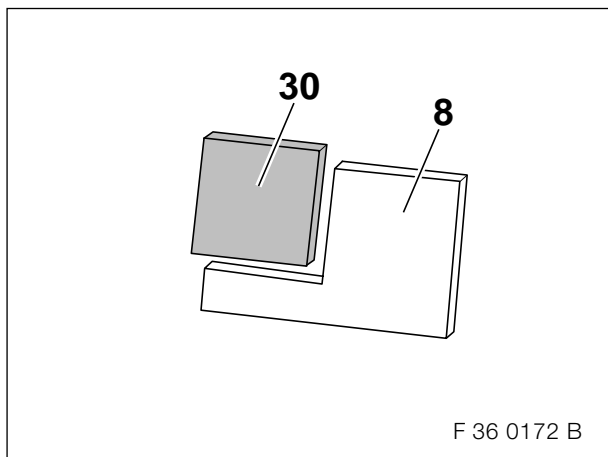
Socket E

GPS aerial socket

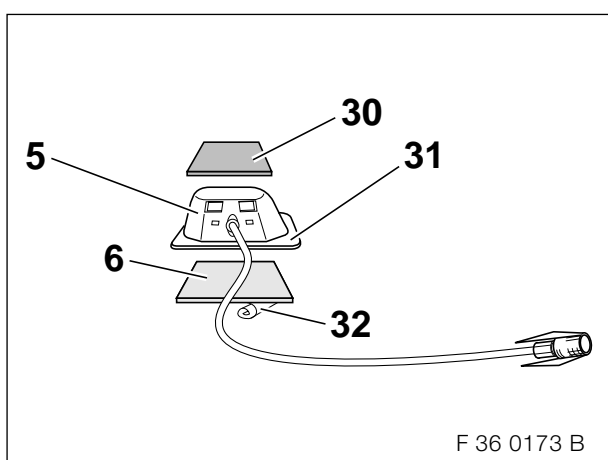
Socket F

Aerial diversity connection

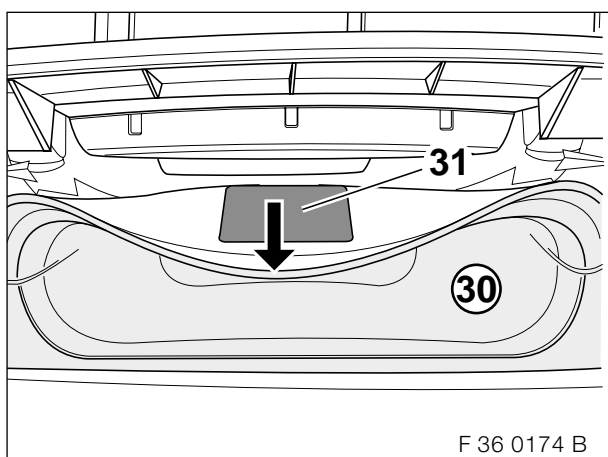
6. To install the GPS aerial



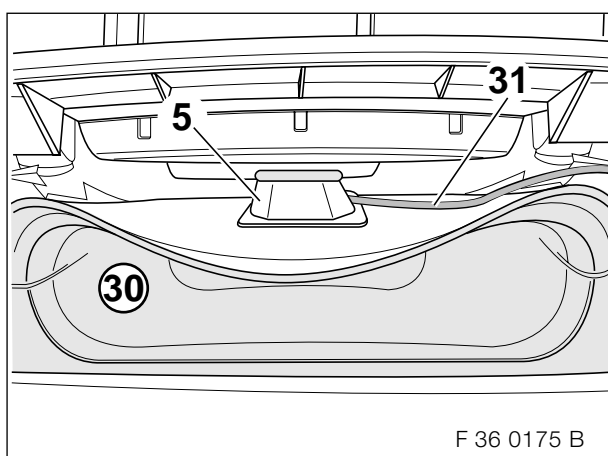
Cut a square (30) measuring 40 x 40 mm out of the damping strip (8).



Affix the square (30) of damping strip to the top of the GPS aerial (5) with the retaining plate (31). Affix the adhesive section (6) on to the centre of the underside of the retaining plate (31) and remove the backing foil (32).

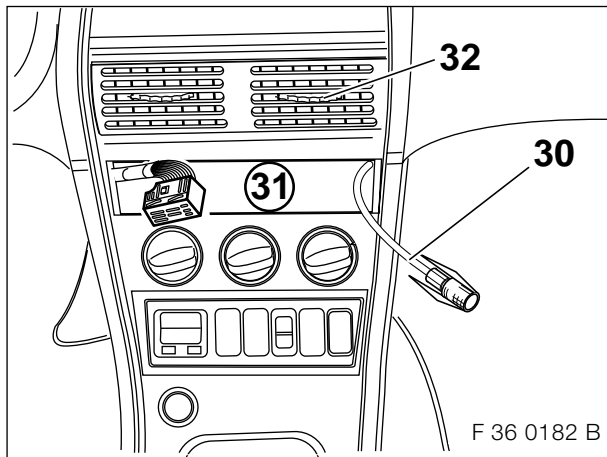


The figure shows the installation space behind the centre fresh air grille. Carefully press the air duct (30) for the centre fresh air grille downwards. Clean the area (31).




Push the GPS aerial (5) as far to the rear as possible and affix it to the air duct (30) so that the cable outfeed (31) points to the right.

6. To install the GPS aerial

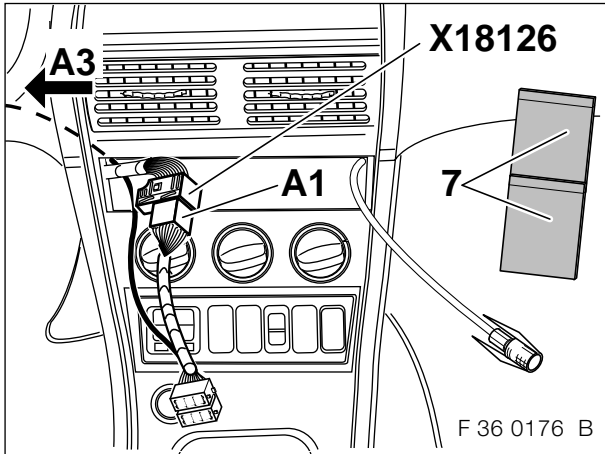


Lay the connection cable (30) for the GPS aerial to the installation site of the radio (31) and tie it back.

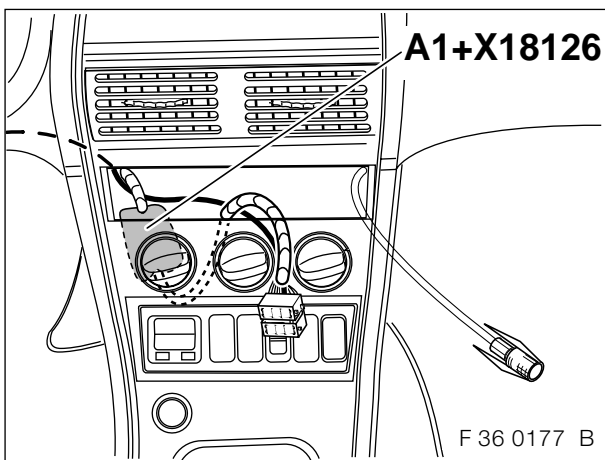
 The connection cable (30) for the GPS aerial must not be kinked or damaged. ◀


Install the fresh air grille.

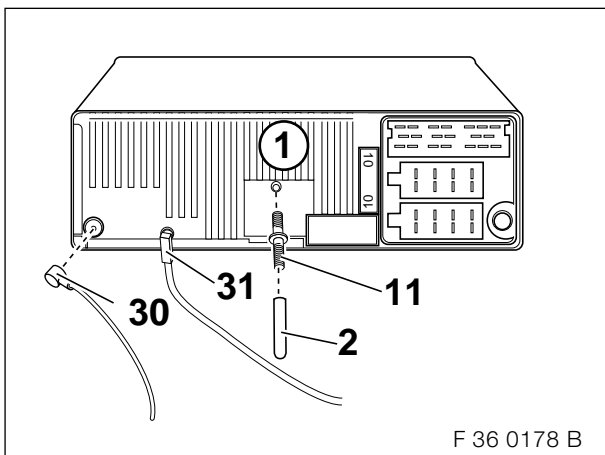
7. To install the adapter cable and connect the navigation radio




Connect branch **A1**, black 17-pin plug casing on the adapter cable **A** to the black 17-pin socket casing **X18126** on the audio wiring harness. Affix a rattle guard (7) to the second rattle guard (7) and then affix them over the plug connection **A1+X18126**. Lay branch **A3**, exposed cable end, blue/yellow cable on the adapter cable **A**, along the standard wiring harness to the **A** pillar on the left-hand side and secure it with cable ties.

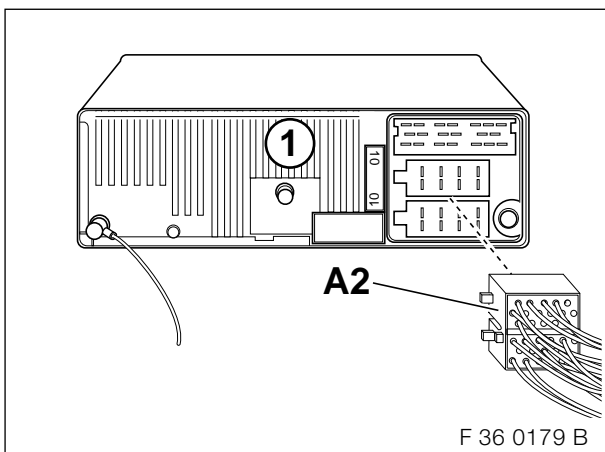


 Place the wrapped plug connection **A1+X18126** behind the heating control so that the wrapped plug connection **A1+X18126** cannot rattle. ◀



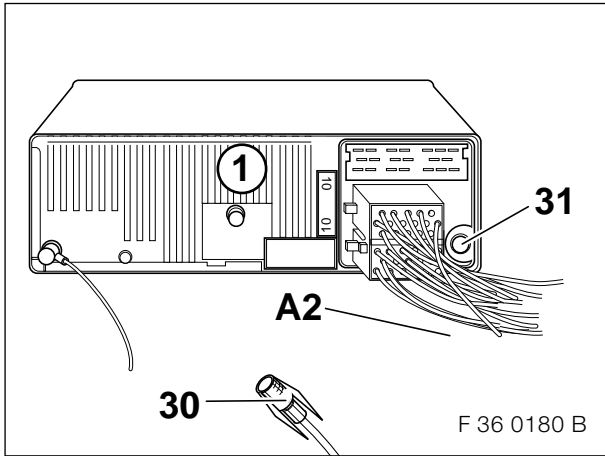
Screw the stud bolt (1) into the navigation radio (1).
Screw the radio retaining pin (2) on to the stud bolt (1).
Connect the existing aerial cable (30) for the radio aerial to the navigation radio (1).

 The coaxial aerial plug (31) must be connected on cars with aerial diversity. ◀




Connect branch **A2**, black 16-pin socket casing on the adapter cable **A**, to the navigation radio (1).

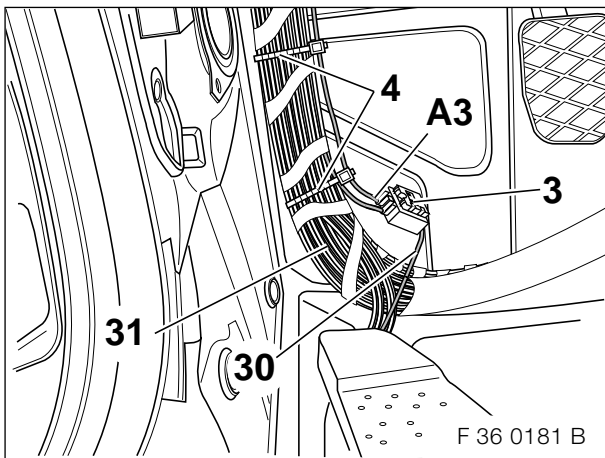
7. To install the adapter cable and connect the navigation radio



Connect the coaxial plug (30) for the GPS aerial into the coaxial socket casing (31) in the navigation radio (1).

Carefully slide the navigation radio (1) into the radio shaft and secure it with the existing slides.

 Refer to the information for securing the navigation radio in the section entitled Installation/Removal instructions in the operating manual. ◀



Connect branch **A3**, exposed cable end, **blue/yellow** cable on the adapter cable to the cable for the reversing light (30), **blue/yellow** cable on the main wiring harness (31) with an insulation-piercing connector (3) and secure it with cable ties (4).

8. Coding

This system has no diagnostics capability and does not have to be coded.

9. Concluding work

Connect the battery

Complete the commissioning process

Assemble the car again following the instructions for its dismantling in reverse order

Print out the error memory

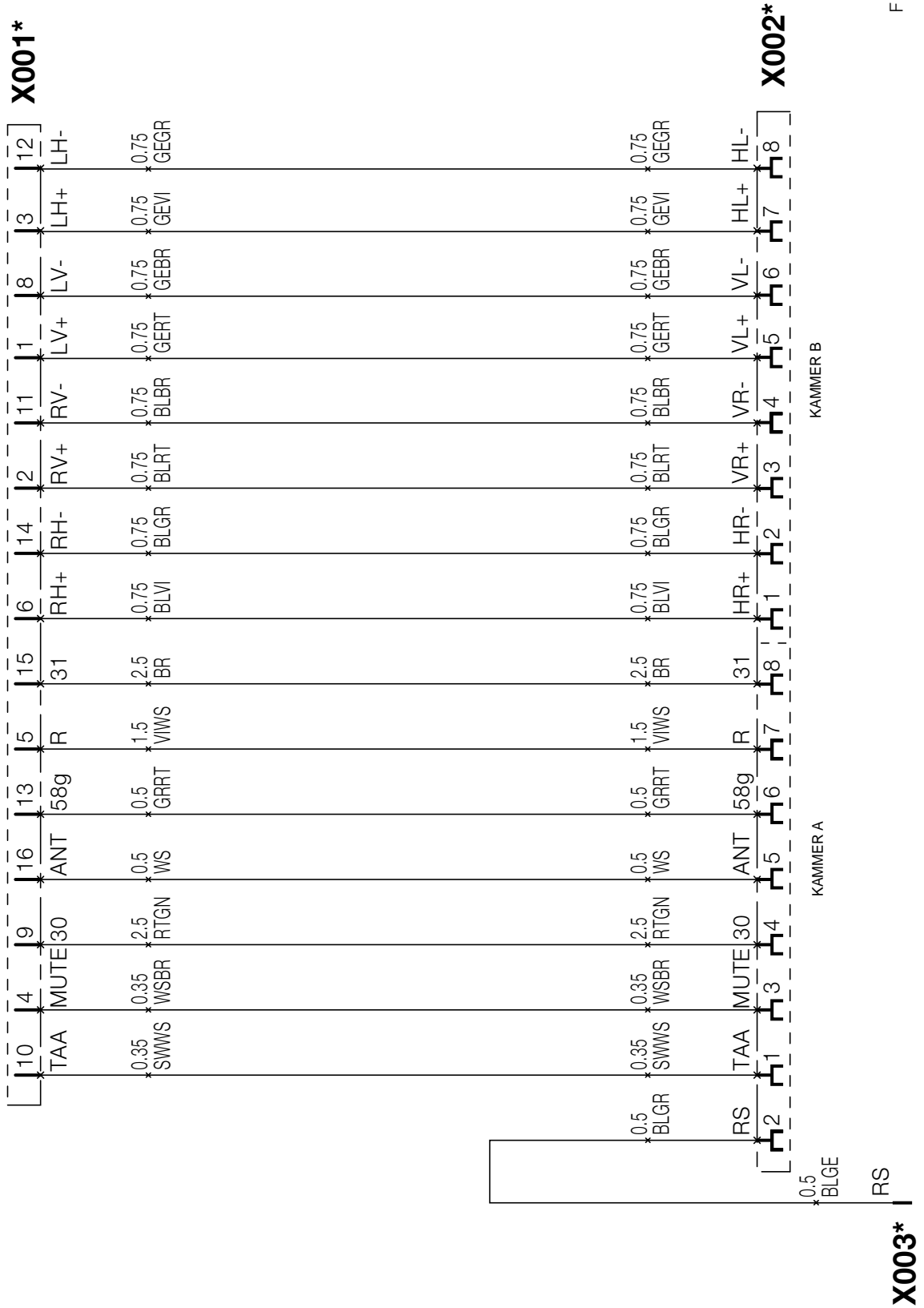
10. Language selection and commissioning

See enclosed **instructions for commissioning the BMWTraffic Pro**

11. Operating manual

See enclosed **operating manual for the BMWTraffic Pro.**

12. Circuit diagram for the adapter wiring harness



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12. Circuit diagram for the adapter wiring harness

Legend

- A1*** Black 17-pin plug casing
- A2*** Black 16-pin socket casing
(chambers A + B)
- A3*** Cable end

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

Colour abbreviations

BR = Brown

RD = Red

VI = Violet

WT = White

GR = Grey

BK = Black

GN = Green

YE = Yellow

BL = Blue