BMW Parts and Accessories
Installation Instructions

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

<table>
<thead>
<tr>
<th>Task</th>
<th>TIS AW-Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conduct a short test (print out the error memory)</td>
<td></td>
</tr>
<tr>
<td>Disconnect the battery</td>
<td>1200</td>
</tr>
<tr>
<td>Remove the radio (remove the installation frame if necessary)</td>
<td>65 11 030</td>
</tr>
<tr>
<td>Remove the centre fresh air grille</td>
<td>51 16 200</td>
</tr>
<tr>
<td>Remove the footwell trim on the driver’s side</td>
<td>51 45 180</td>
</tr>
<tr>
<td>Remove the bottom A pillar trim on the driver’s side</td>
<td></td>
</tr>
</tbody>
</table>
3. Parts overview

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

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

**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

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Installation instructions No.: 01 29 0 028 261
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 (11) into the navigation radio (1). Screw the radio retaining pin (2) on to the stud bolt (11). 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 BMW Traffic Pro

11. Operating manual

See enclosed operating manual for the BMW Traffic Pro.
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