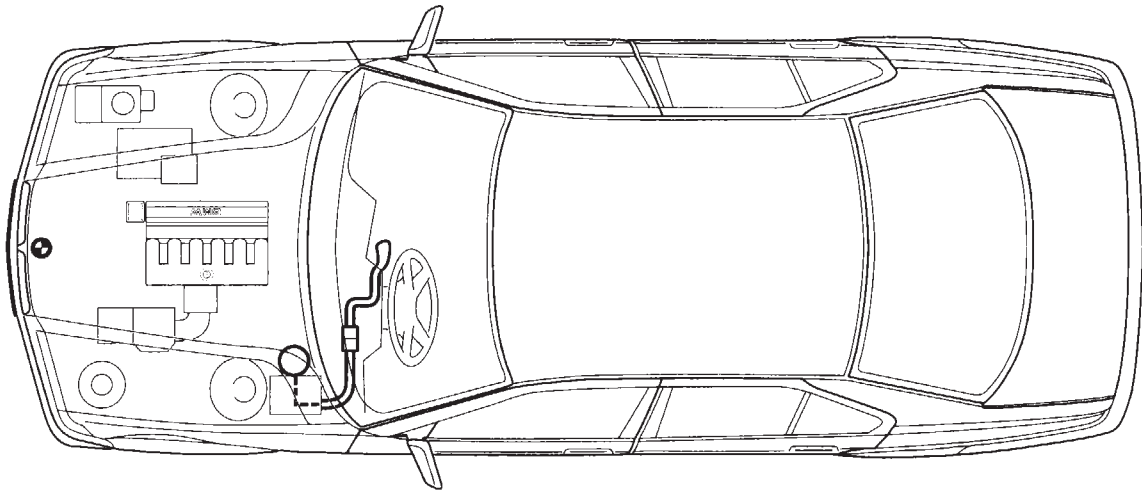




Zubehör - Einbauanleitung



F 36 62 179

Installation Instructions

Electronic Cruise Control

BMW 3 Series E36 Diesel as of 9/94 and 1/95 with EWS II

Electronic Cruise Control

BMW 3 Series E36 Diesel as of 9/94 and 1/95 with EWS II

Technical knowledge is required.
Installation Time: approx. 1.5 hours, depending on the condition and level of equipment of the vehicle.

Notes

The installation is described for the left-hand drive model. Certain work steps must be carried out in mirror-image fashion for the right-hand drive model.

When connecting and disconnecting plug-in contacts, observe the locking and unlocking requirements for each type of connector.
Lay the supplementary wiring harness in such a way that cables are neither twisted nor squashed.

Tools and Materials Required

Screwdriver for slotted screws
Phillips screwdriver
Torx drive socket T10
Tool for pressing out electrical contacts
Jig saw
Round file

2. Supplementary Wiring Harness

Diagram
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Terminal Connection Diagram

| Item | Type/Designation | Cable colour | Connection in car | Connection point/ Plug-in station |
|------|----------------------|--------------|---|--------------------------------------|
| A | pin contact | gn | engine connector colour-coded grey | X69 / 2 |
| B | pin contact | br/gn | engine connector colour-coded grey (only for automatic) | X69 / 3 |
| C | pin contact | br | engine connector colour-coded grey | X69 / 8 |
| D | 1-pin socket housing | br | at wiring harness | X10072 |
| E | 1-pin pin housing | br | connection with 1-pin socket housing D (only for TDS from 09/94 and for TD from 01/95) | X10073 |
| F | 1-pin pin housing | br/gn | connection with 1-pin socket housing D (only for TD up to 01/95) | X10072 |
| G | 6-pin pin housing | – | under steering column | X72 |
| H | pin contact | br | to right of steering column in grey 8-pin pin housing of pedal-value sensor R10 | X73 / 4 |
| I | pin contact | br/gn | to right of steering column in grey 8-pin pin housing of pedal-value sensor R10 | X73 / 8 |

Overview

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The installation points of the supplementary wiring harness: to engine connector (1) (colour-coded grey), under the steering column (2), and to pedal-value sensor (3).

Contents

Chapter

1. Necessary Preliminary Tasks/Disassembly
2. Supplementary Wiring Harness
3. Installing the Steering-Column Assembly Switch
4. Laying the Supplementary Wiring Harness
5. Function

1. Necessary Preliminary Tasks/Disassembly

1. Print out fault memory.
2. Disconnect battery.
3. Remove lower steering column panelling.

3. Installing the Steering-Column Assembly Switch

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Insert switch (1) into guide (2) of steering column in the direction indicated by the arrow.
Slide the steering-column assembly button (4) onto steering-column assembly lever (3).

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Cut out prestamped area (arrow) in lower steering-column panelling.

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Lay steering-column assembly switch cable (1) along main wiring harness to plug-in station (2) under steering column.

4. Laying the Supplementary Wiring Harness

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Remove covering cap (2).
Remove Philipps screws (1).
Pull off and remove panelling (3) in the direction indicated by the arrow.

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Remove hexagon screws (1) in footwell.

F 36 63 068

Take off cover. Remove Torx screws (1) and raise upper part of distribution box (2).

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Remove guide (1) in the direction indicated by the arrow. Lay connections (A, B, C) from the passenger compartment through the distribution box to the engine connector (colour-coded grey).

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Remove and insulate existing pin contacts from engine connector (1) (grey colour-coding) plug-in stations 3 and 8.
Insert pin contact (A) into plug-in station 2, pin contact (B) into plug-in station 3, and pin contact (C) into plug-in station 8 of the engine connector (1).

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Lay the 6-pin pin housing (G) under steering column and connect it to 6-pin socket housing (1) of actuating switch.

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Only for TDS from 09/94

Only for TD from 01/95

Connect pin housing (E) to socket housing (D).
Pin housing (F) remains tied back.

Only for TD up to 01/95

Connect pin housing (F) to socket housing (D).
Pin housing (E) remains tied back.

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Lay pin contacts (H, I) to pin housing (1) X73 of pedal-value sensor R10.
The pedal-value sensor R10 is located on the right-hand side of the left-hand footwell.

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Disconnect the 8-pin pin housing (1) from pedal-value sensor R10.
Press out and insulate pin contacts (2) from plug-in stations 4 and 8. Insert pin contact (H) into plug-in station 4 and pin contact (I) into plug-in station 8 of pin housing (1).

5. Function

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A desired driving speed upwards of approx. 40 km/h can be held automatically and stored. When the engine is switched off, the stored speed is deleted.

1 ACCELERATING

Press lever into position 1:

The current speed is held and stored. Further pressing of lever increases speed by approx. 1 km/h.

Hold lever in position 1:

The vehicle accelerates without actuating the accelerator. When lever is released, the speed reached is held and stored.

2 BRAKING

Press lever into position 2:

The current speed is held and stored. Further pressing of lever reduces speed by approx. 1 km/h.

Hold lever in position 2:

The vehicle decelerates without actuating the accelerator. When lever is released, the speed reached is held and stored.

3 CALL-UP

Press lever into position 3:

The previously stored speed is reached again and held.

4 OFF

Press lever into position 4:

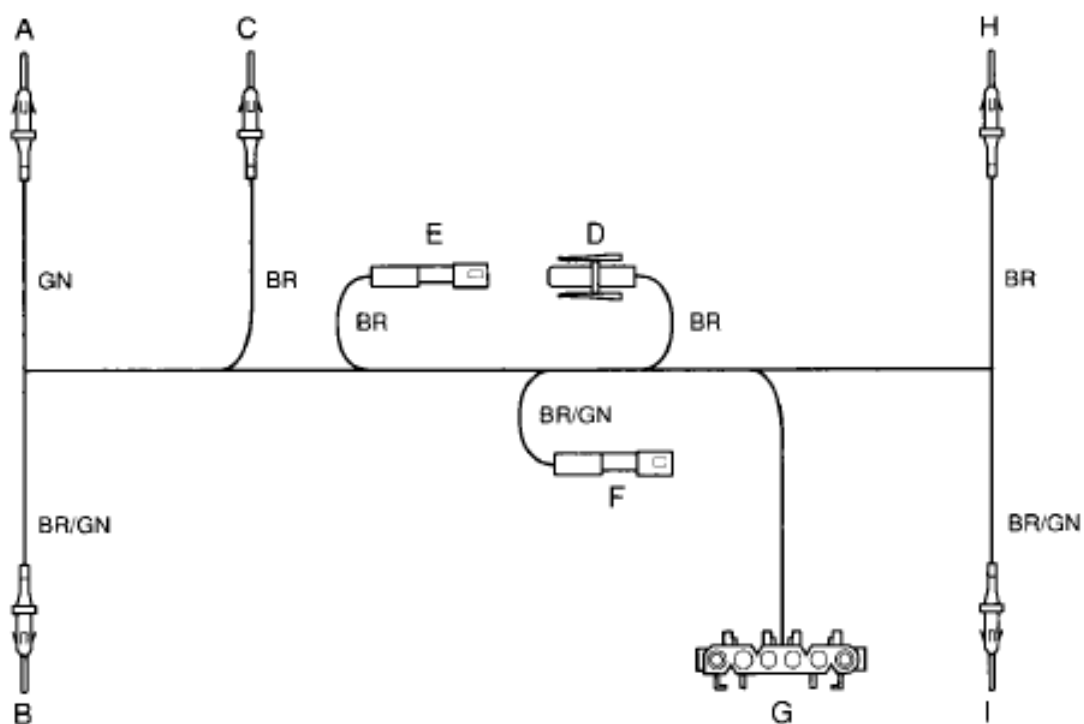
Independent of the driving or traffic situation, the cruise control is switched off. Furthermore, the cruise control switches off automatically:

- when the set speed is exceeded by approx. 16 km/h;
- when the speed is lower than 8 km/h;
- when braking and using the clutch or moving the automatic gear selection lever from D to N;
- when decelerating sharply ($> 1.5 \text{ m/s}^2$), for example, uphill driving.

Caution

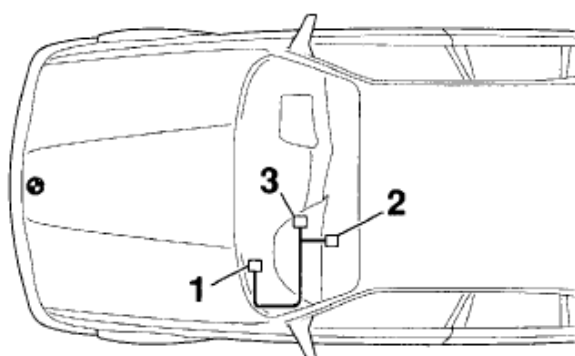
Do not use the automatic cruise control on roads with a lot of bends, when heavy traffic does not allow constant speed, when the roads are slippery (snow, rain, ice) or when the surface is loose (stones, sand).

1



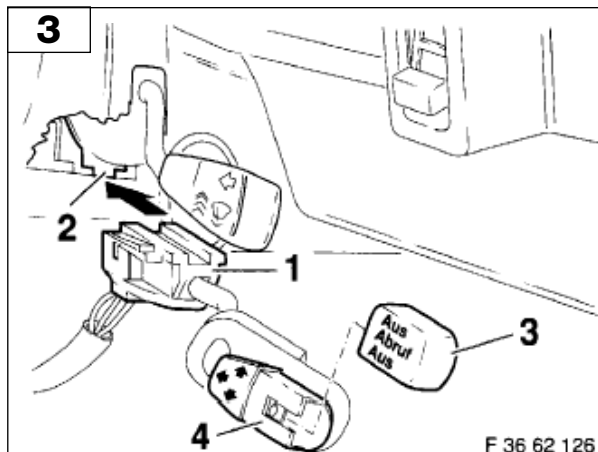
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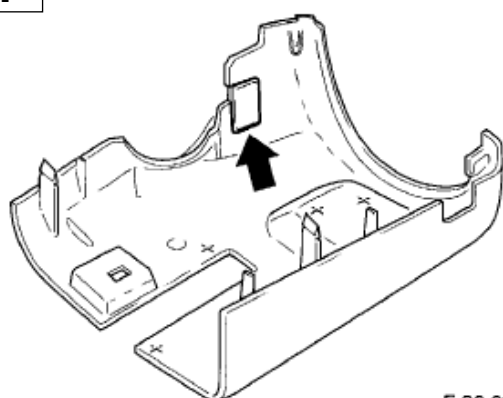
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3



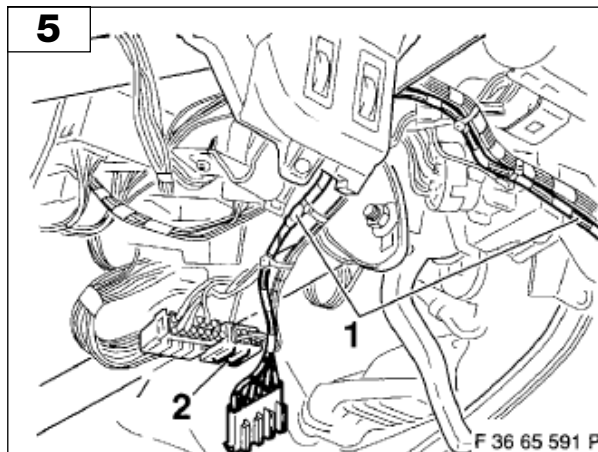
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5



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