

Parts and Accessories

Installation instructions



Retrofit - Aluminium pedal plate

BMW 3 Series (E46, E90, E91)

BMW 5 Series (E39)

BMW X3 (E83)

BMW X5 (E53)

Version for accelerator pedal and accelerator pedal module

Retrofit kit No.: 35 00 0 304 643
35 00 0 304 642

Installation time

The installation time of approx. 1,0 hours can vary depending on the condition and equipment of the vehicle.

Important information

These installation instructions are mainly intended for use in the BMW dealership network as well as by authorised BMW Service Centres.

The target group of these installation instructions are technical personnel trained on BMW vehicles with corresponding technical know-how.

All work is to be carried out with the aid of currently valid BMW repair instructions, schematic circuit diagrams, maintenance manuals and working instructions in rational order with the specified tools (special tools) while paying particular attention to valid safety regulations.

In order to avoid unnecessary additional expenditure/costs, if any problems regarding installation, assembly or operation are encountered, after spending a little time on attempting to finding the problem (approx. 0.5 hour), an enquiry, including the vehicle identification number, part number of the installed retrofit kit and a detailed description of the problem, should be sent without delay to Technical Support via the Aftersales Assistance Portal (ASAP) .

Do not archive the printout of these Installation Instructions as daily updates are conducted through ASAP!

All illustrations show LHD vehicles. Carry out the same procedure analogously on RHD vehicles.

Pictographs:



Identifies information that draws attention to danger/hazards.



identifies information that draws attention to specific requirements.

◀ identifies the end of an information or warning text.

Subject to technical modifications.



All rubber pads on the BMW aluminium pedal plates should be checked for wear at regular intervals. Excessively worn rubber pads must be replaced by new pads otherwise driving safety cannot be guaranteed. After installing the BMW aluminium pedal plates, the supplementary information included in the scope of delivery of the retrofit kit must be added to the Owner's Handbook. ◀

Installation information

With the respective parts kit, the aluminium plate for the accelerator pedal/accelerator pedal module can be mounted both on the accelerator pedal as well as on the accelerator pedal module versions. It should be borne in mind that the accelerator pedal version and accelerator pedal module version are two different pedal systems.

Make sure you carefully read through the information under "Distinction between accelerator pedal version and accelerator pedal module version" before starting the installation work. There are corresponding drilling templates for the accelerator pedal version and the accelerator pedal module version. When mounting the aluminium pedal plate for the accelerator pedal/accelerator pedal module, only use the mounting screws specifically designated for this purpose.



The accelerator pedal removed from the vehicle must no longer be used. ◀

The accelerator pedal in the parts kit is left over when installing BMW aluminium pedal plates on vehicles equipped with the accelerator pedal module version. Please dispose of the accelerator pedal no longer required.

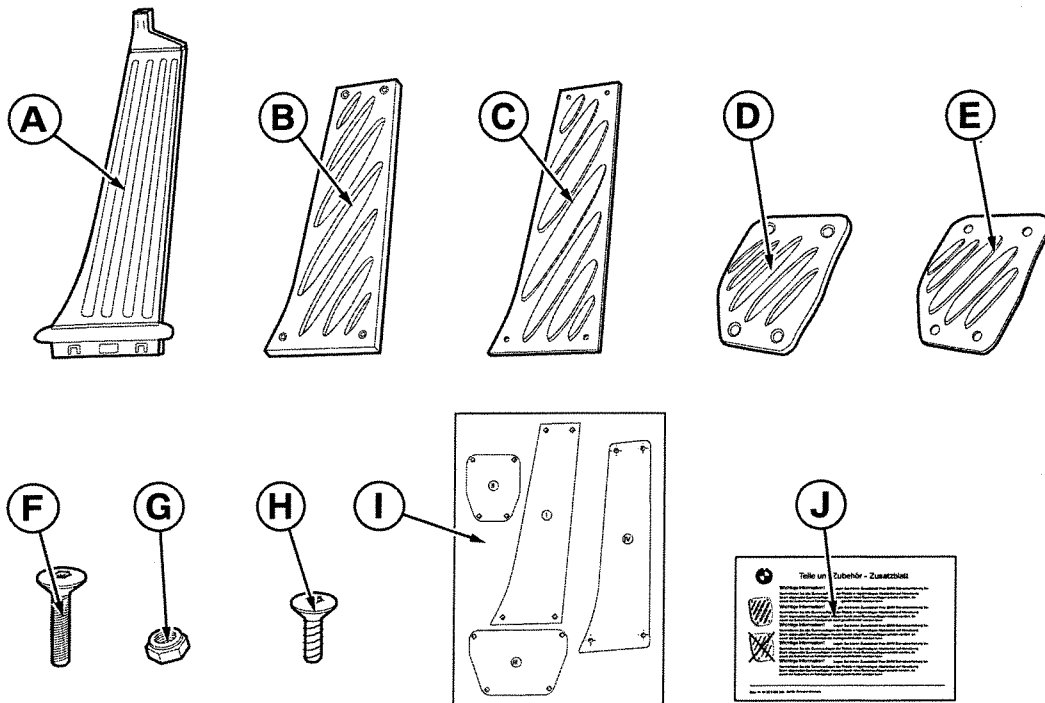
Required special tools

None

Contents

| Section | Page |
|---|------|
| 1. Parts overview - Manual transmission vehicles | 4 |
| 2. Parts overview - Automatic transmission vehicles | 5 |
| 3. Preparatory work | 6 |
| 4. Distinction between accelerator pedal version and accelerator pedal module version | 7 |
| 5. Installation of BMW aluminium pedal plates on accelerator pedal version | 8 |
| 6. Installation of BMW aluminium pedal plates on accelerator pedal module version..... | 10 |

1. Parts overview - Manual transmission vehicles

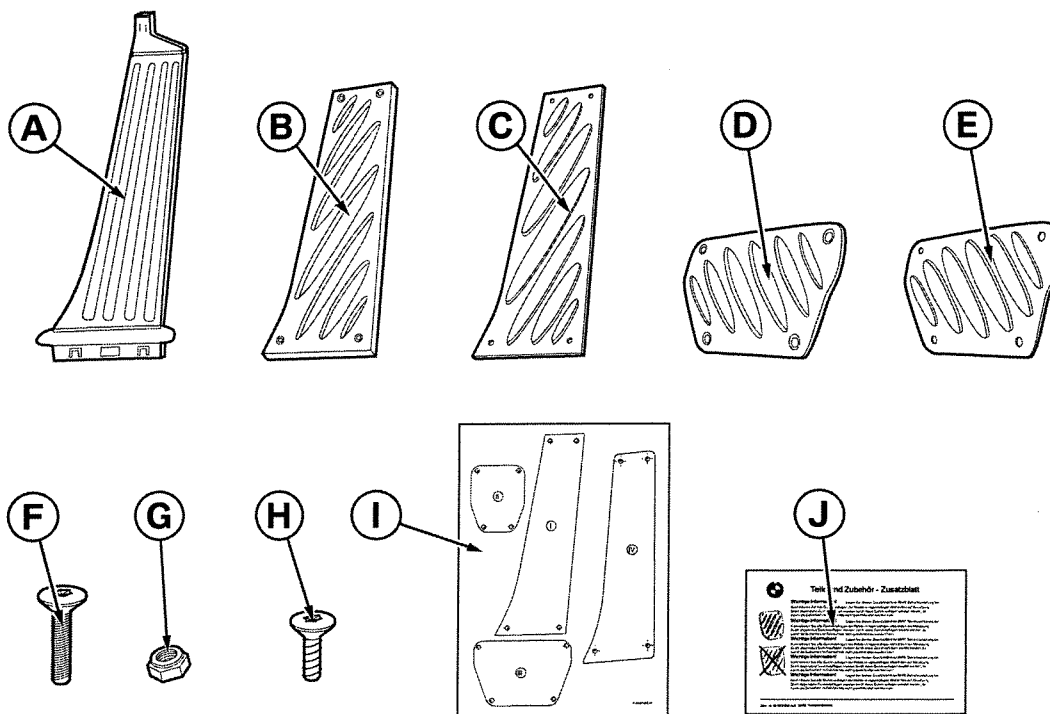


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Key

- A Accelerator pedal
- B Aluminium pedal plate for accelerator pedal/accelerator pedal module
- C Rubber pad for accelerator pedal/accelerator pedal module
- D Aluminium pedal plate for brake/clutch pedal (2x)
- E Rubber pad for brake/clutch pedal
- F M4x15 Torx screws (12x)
- G M4 self-locking hexagon nut (12x)
- H K4x10 self-tapping Torx screw (4x)
- I Drilling template (Order No. 01 29 0 304 492)
- J Supplementary information

2. Parts overview - Automatic transmission vehicles



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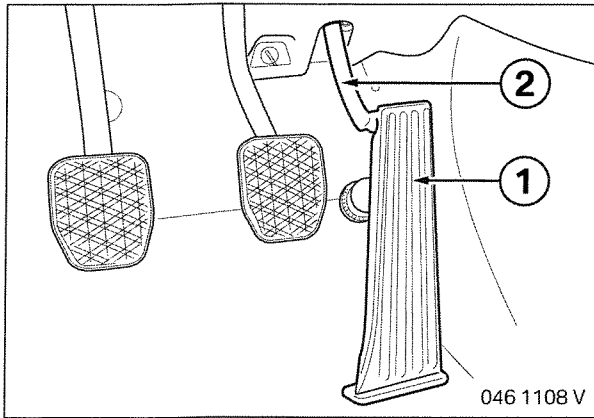
Key

- A Accelerator pedal
- B Aluminium pedal plate for accelerator pedal/accelerator pedal module
- C Rubber pad for accelerator pedal/accelerator pedal module
- D Aluminium pedal plate for brake pedal (2x)
- E Rubber pad for brake pedal
- F M4x15 Torx screws (8x)
- G M4 self-locking hexagon nut (8x)
- H K4x10 self-tapping Torx screw (4x)
- I Drilling template (Order No. 01 29 0 304 492)
- J Supplementary information

3. Preparatory work

| Only for vehicles with accelerator pedal version | TIS No. |
|--|----------------|
| Removing and installing or replacing accelerator pedal | 35 41 000 |
| Removing rubber pads from brake and clutch pedals | --- |
| Cutting out hole templates | --- |
| <hr/> | |
| Only for vehicles with accelerator pedal module version | TIS No. |
| Removing rubber pads from brake and clutch pedals | --- |
| Cut out drilling template | --- |

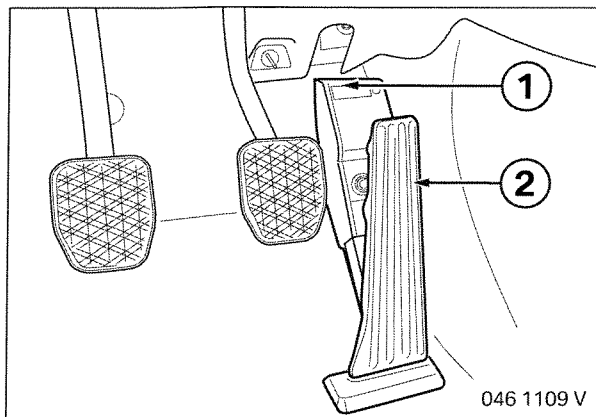
4. Distinction between accelerator pedal version and accelerator pedal module version



Accelerator pedal version

The accelerator pedal (1) is distinguished by the type of accelerator pedal lever (2).

! Only use drilling template **I** for the accelerator pedal (1). Only use the M4x15 Torx screws **F** and the M4 self-locking nuts **G** to secure the aluminium pedal plate for the accelerator pedal/accelerator pedal module to the accelerator pedal (1). ◀

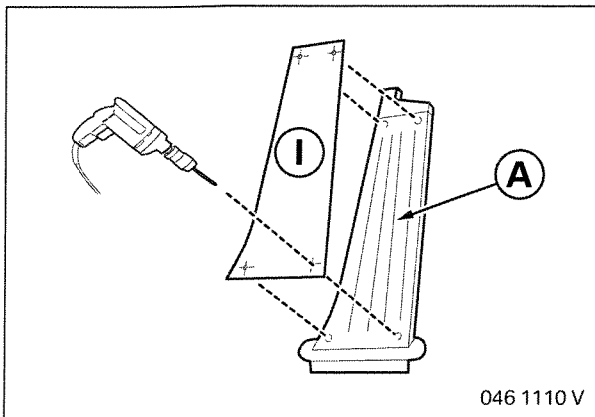


Accelerator pedal module version

The accelerator pedal module can be recognised by the housing (1) positioned under the accelerator pedal (2).

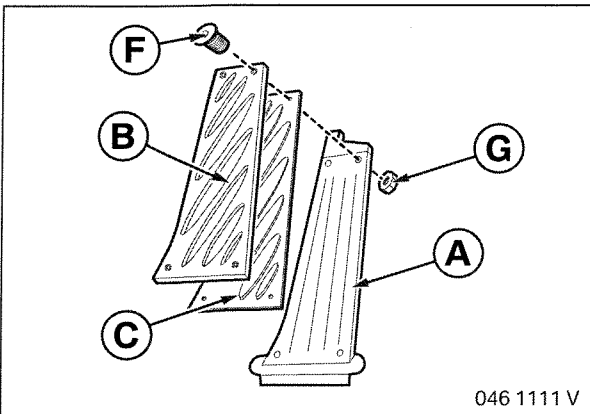
! Only use template **IV** for the accelerator pedal module. Only use the K4x10 self-tapping Torx screws **H** to secure the aluminium pedal plate for the accelerator pedal/accelerator pedal module to the accelerator pedal (1). ◀

5. Installation of BMW aluminium pedal plates on accelerator pedal version



! The accelerator pedal removed from the vehicle must no longer be used. Immediately dispose of the removed accelerator pedal. ◀

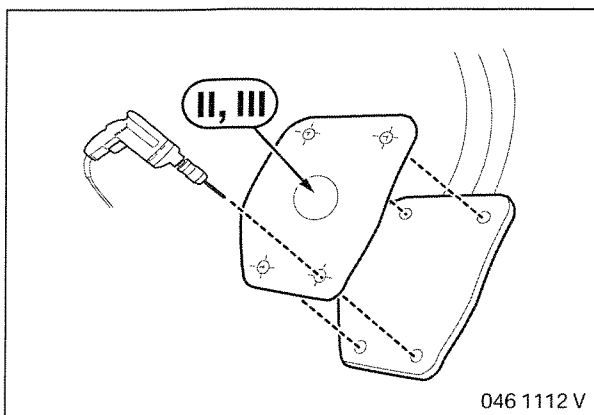
Place drilling template **I** on accelerator pedal **A** and transfer the holes to accelerator pedal **A**. Remove drilling template **I**. Centre punch holes, drill out holes with 4.5 mm Ø drill and deburr.



! Follow safety information in repair instructions 35 41 000. Make sure that only the M4x15 Torx screw **F** from the parts kit is used to secure the aluminium pedal plate **B** with mounted rubber pad **C** on the accelerator pedal **A**. Also make sure that the thread of the M4x15 Torx screws **F** passes completely through the self-locking plastic insert of the M4 hexagon nut **G**. ◀

Press rubber pad **C** into aluminium pedal plate **B** from behind. Use four M4x15 Torx screws **F** and four M4 hexagon nuts **G** to secure aluminium pedal plate **B** with fitted rubber pad **C** to the accelerator pedal.

Install accelerator pedal **A** with fitted aluminium pedal plate **B** in the vehicle as described in TIS No. 35 41 000.



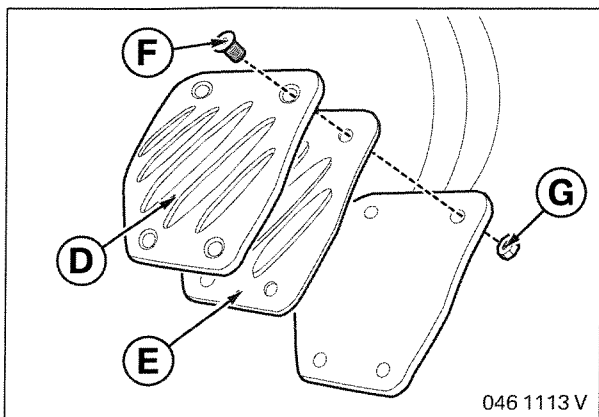
Manual transmission vehicles only

Place drilling template **II** on the clutch pedal and on the brake pedal and transfer the holes. Remove drilling template **II**. Centre punch holes, drill out holes with 4.5 mm Ø drill and deburr.

Automatic transmission vehicles only

Place drilling template **III** on the brake pedal and transfer the holes. Remove drilling template **III**. Centre punch holes, drill out holes with 4.5 mm Ø drill and deburr.

5. Installation of BMW aluminium pedal plates on accelerator pedal version

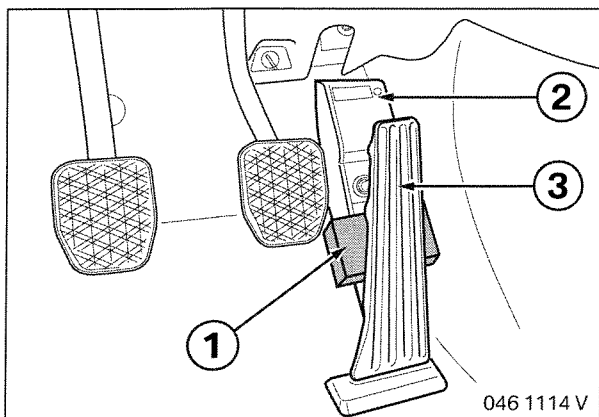


For all vehicles

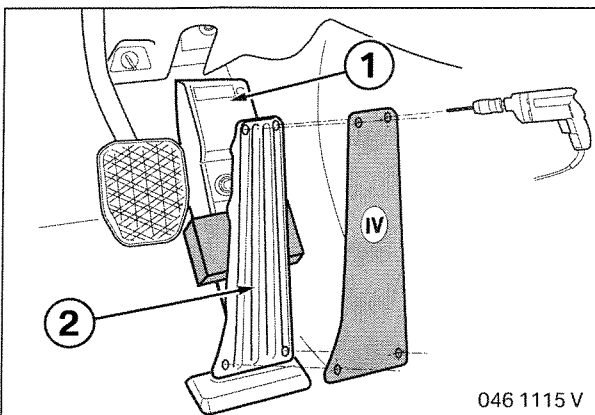
! Make sure that the thread of the M4x15 Torx screws **F** passes completely through the self-locking plastic insert of the M4 hexagon nut **G**. ◀

Press rubber pad **E** into aluminium pedal plate **D** from behind. Use four M4x15 Torx screws **F** and four M4 hexagon nuts **G** to secure aluminium pedal plate **D** with fitted rubber pad **E** to the brake pedal and to the clutch pedal on manual transmission vehicles.

6. Installation of BMW aluminium pedal plates on accelerator pedal module version

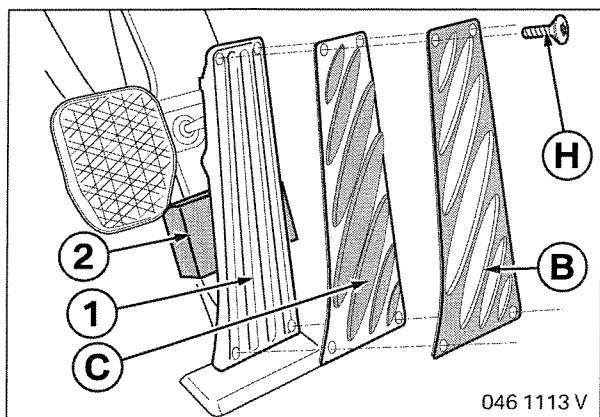


Place a block (1) (e.g. wooden) between housing (2) and accelerator pedal (3) so that accelerator pedal (3) is locked in position. This will make subsequent installation easier and prevent damage to housing (2).



⚠ Take care not to drill into the housing (1). ◀

Place drilling template **IV** on accelerator pedal (2). Align the upper edge of the drilling template **IV** flush with the upper edge of accelerator pedal (2). Transfer the holes from drilling template **IV** to accelerator pedal (2). Remove drilling template **IV**. Centre punch holes, drill out holes with 3 mm Ø drill and carefully deburr.

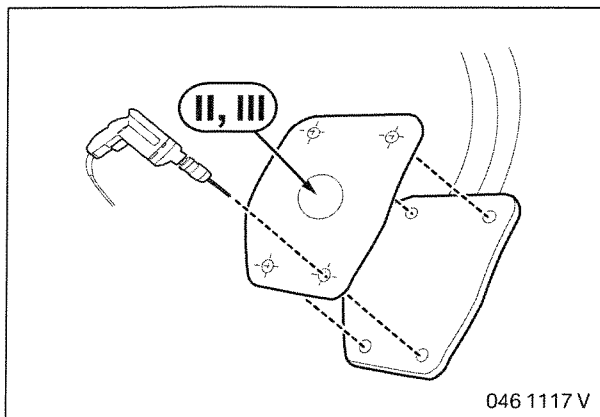


⚠ Make sure that only the K4x10 Torx screw **H** from the parts kit is used to secure the aluminium pedal plate **B** with mounted rubber pad **C**1 on the accelerator pedal (1). ◀

Press rubber pad **C** into aluminium pedal plate **B** from behind. Use four K4x10 Torx screws **H** to secure the aluminium pedal plate with fitted rubber pad **C** to the accelerator pedal (1). Hand-tighten the K4x10 Torx screws **H**.

◻ Remove block (2) between housing and accelerator pedal (1). ◀

6. Installation of BMW aluminium pedal plates on accelerator pedal module version

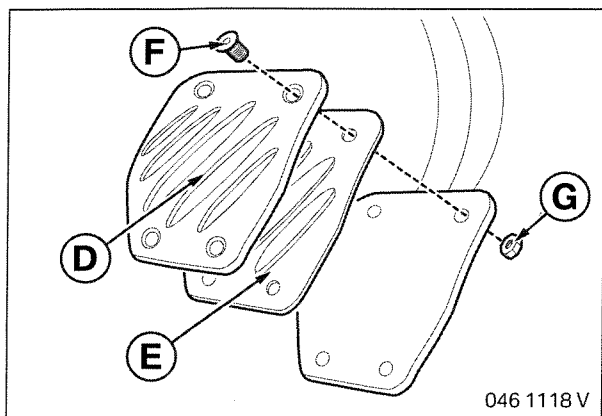


Manual transmission vehicles only

Place drilling template **II** on the clutch pedal and on the brake pedal and transfer the holes. Remove drilling template **II**. Centre punch holes, drill out holes with 4.5 mm \varnothing drill and deburr.

Automatic transmission vehicles only

Place drilling template **III** on the brake pedal and transfer the holes. Remove drilling template **III**. Centre punch holes, drill out holes with 4.5 mm \varnothing drill and deburr.



For all vehicles

⚠ Make sure that the thread of the M4x15 Torx screws **F** passes completely through the self-locking plastic insert of the M4 hexagon nut **G**. ◀

Press rubber pad **E** into aluminium pedal plate **D** from behind. Use four M4x15 Torx screws **F** and four M4 hexagon nuts **G** to secure aluminium pedal plate **D** with fitted rubber pad **E** to the brake pedal and to the clutch pedal on manual transmission vehicles.