

2000-03 BRAKES

Pedal Assembly - Repair Information - X5 (4.4L/M62)

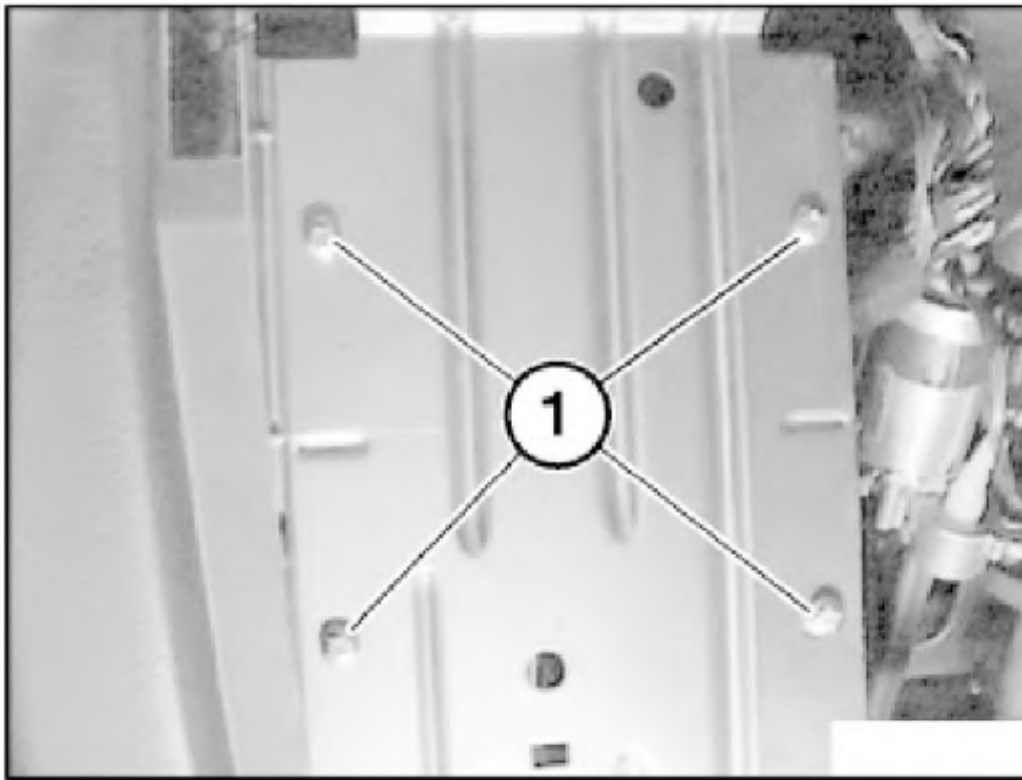
PEDAL MOUNTING BLOCK

35 11 000 REMOVING AND INSTALLING MOUNTING BLOCK FOR PEDALS

Remove trim for instrument panel at bottom left. See **51 45 180 REMOVING AND INSTALLING TRIM FOR INSTRUMENT PANEL** .

Remove trim for pedals. See **35 11 000 Removing And Installing Mounting Block For Pedals**

Release screws (1).

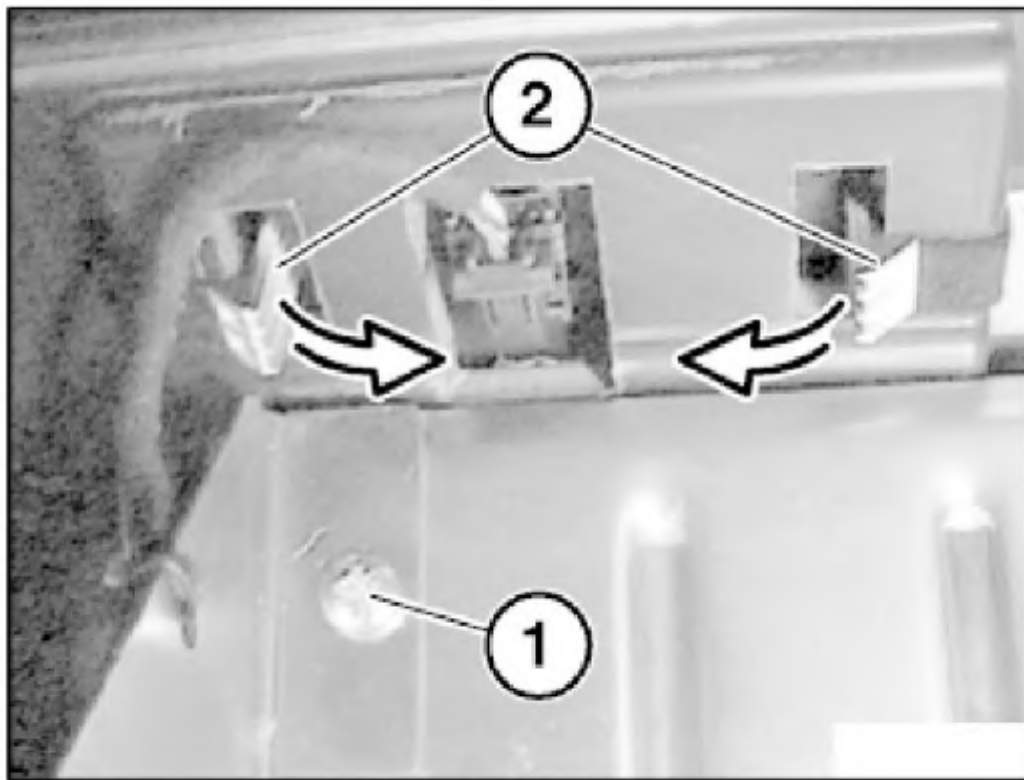


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Fig. 1: Releasing Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Release screw (1) and press clips (2) out of light switch.



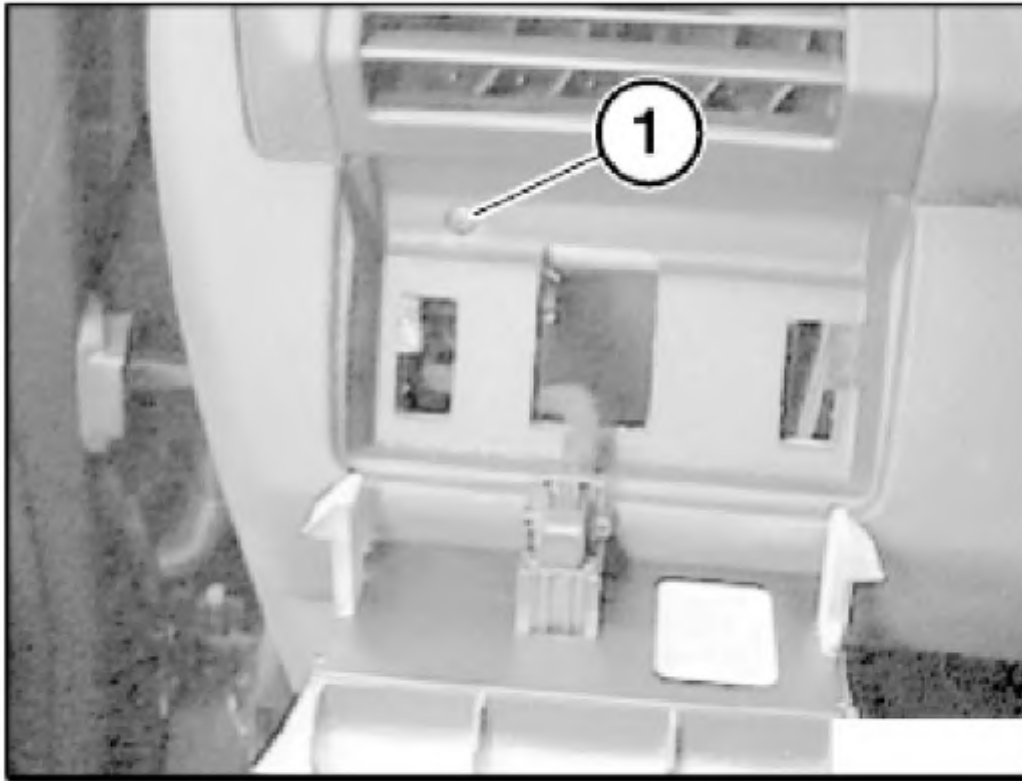
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Fig. 2: Releasing Screw And Pressing Clips Out Of Light Switch
Courtesy of BMW OF NORTH AMERICA, INC.

Release screw (1) and remove reinforcement plate.

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Fig. 3: Releasing Screw And Removing Reinforcement Plate
Courtesy of BMW OF NORTH AMERICA, INC.

Vehicles with manual transmissions:

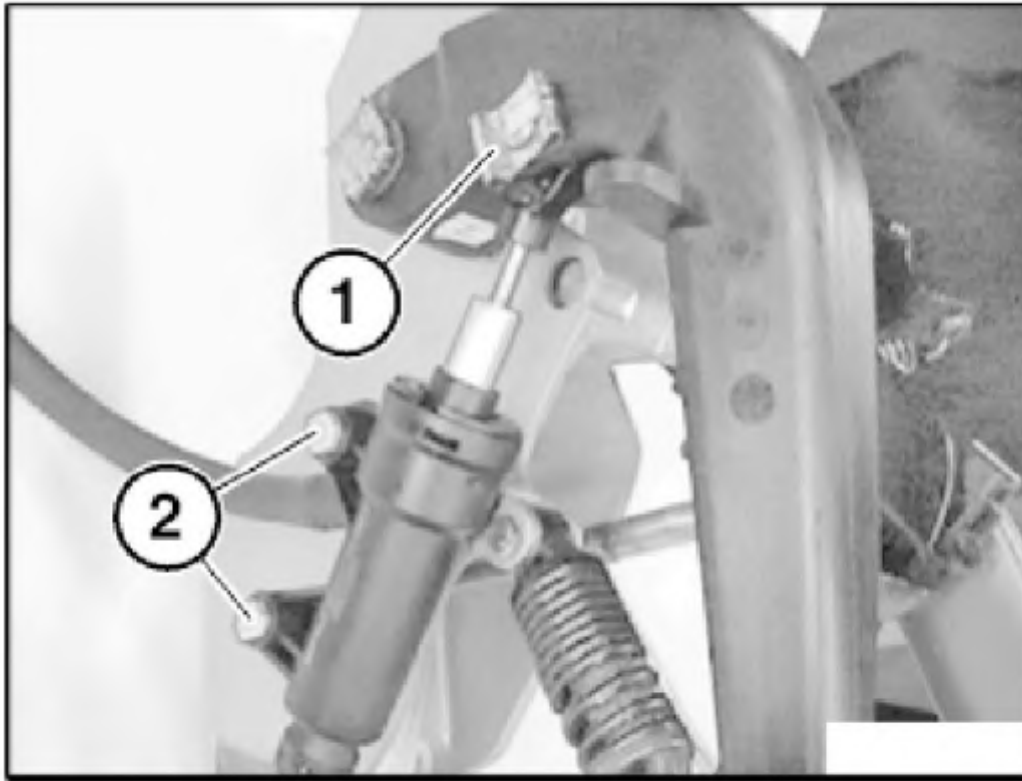
Remove clutch switch.

Remove retainer (1) and press out retaining pin.

CAUTION: Do not detach pressure line from master cylinder.

Release screws (2) and set clutch master cylinder down in footwell.

Raise lug of retainer (1) and detach retainer. Pull out retaining pin.



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Fig. 4: Releasing Screws And Setting Clutch Master Cylinder Down In Footwell
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug from brake light switch.

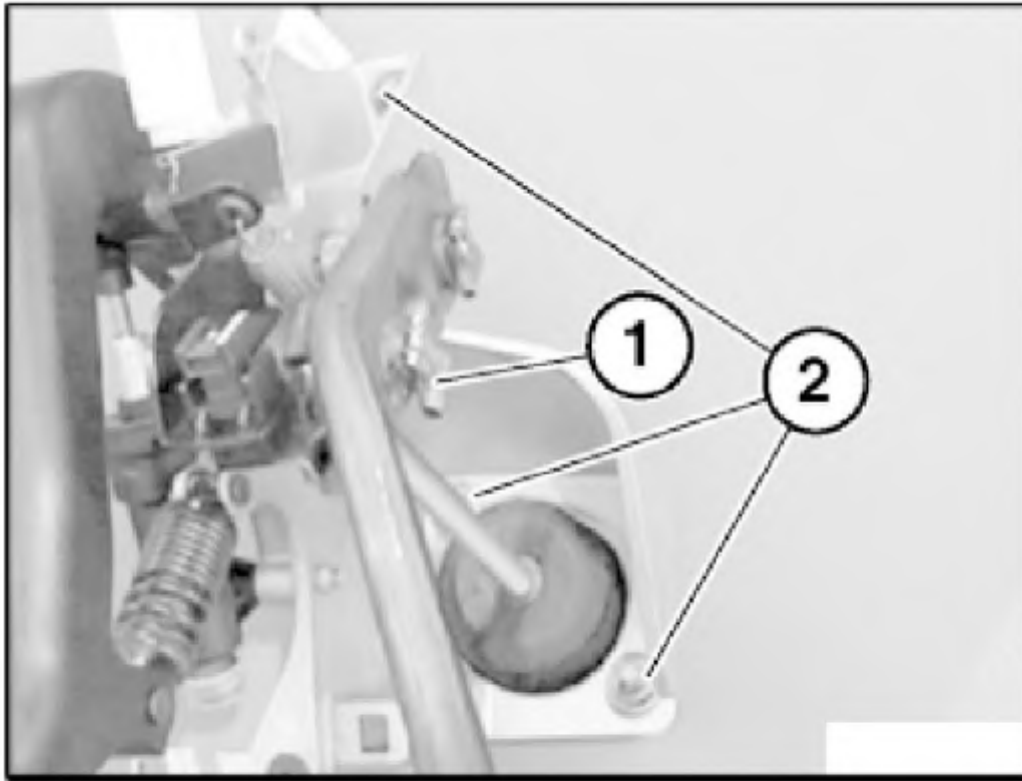
CAUTION: After installation: Adjust brake light switch.

Release screws (2) and remove mounting block.

Installation:

Replace self-locking nuts.

Tightening torque, see 35 11 1AZ in **PEDALS - TIGHTENING TORQUES - X5** .



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Fig. 5: Releasing Screws And Removing Mounting Block
Courtesy of BMW OF NORTH AMERICA, INC.

BRAKE PEDAL WITH LINK

35 21 000 REMOVING AND INSTALLING/REPLACING BRAKE PEDAL

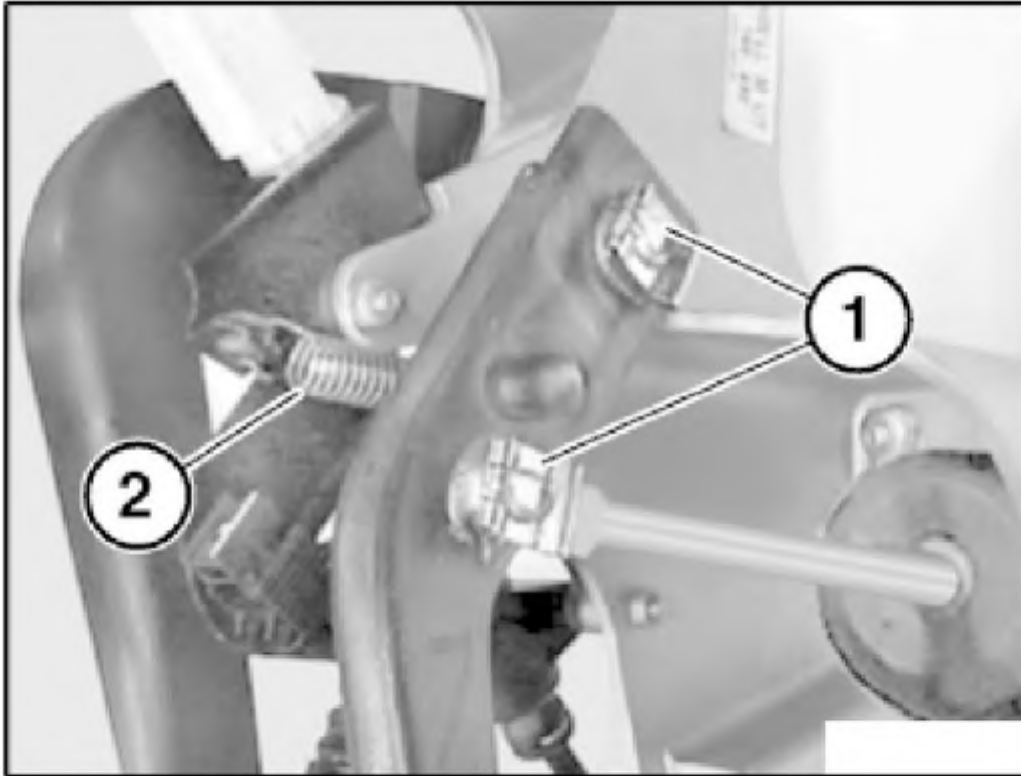
Remove lower right trim from instrument panel. See **51 45 181 REMOVING AND INSTALLING/REPLACING TRIM FOR INSTRUMENT PANEL, LOWER RIGHT** .

If necessary, remove panel for pedal assembly. **51 45 185 REMOVING AND INSTALLING/REPLACING TRIM FOR PEDAL ASSEMBLY** .

If necessary, remove reinforcement plate and switch unit.

NOTE: **After installation: Adjust brake light switch.**

Raise lugs on retainers (1) and detach retainers. Unhook spring (2).



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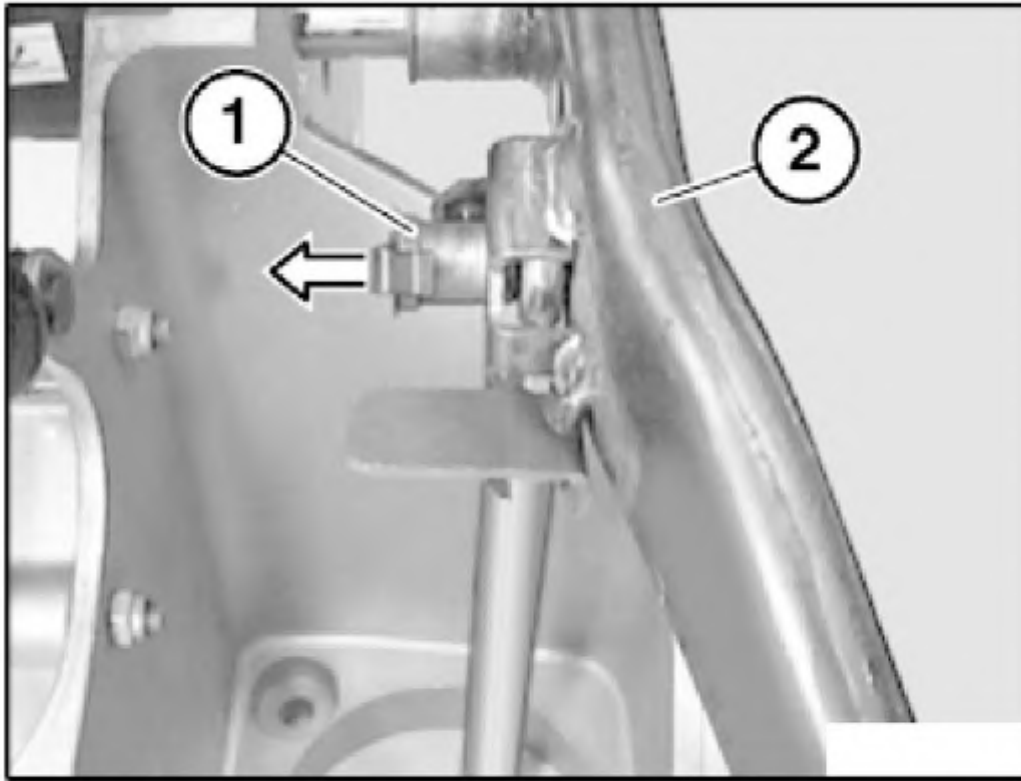
Fig. 6: Raising Lugs On Retainers And Detaching Retainers
Courtesy of BMW OF NORTH AMERICA, INC.

Pull out retaining pin (1) and detach piston rod from brake pedal.

Remove brake pedal (2).

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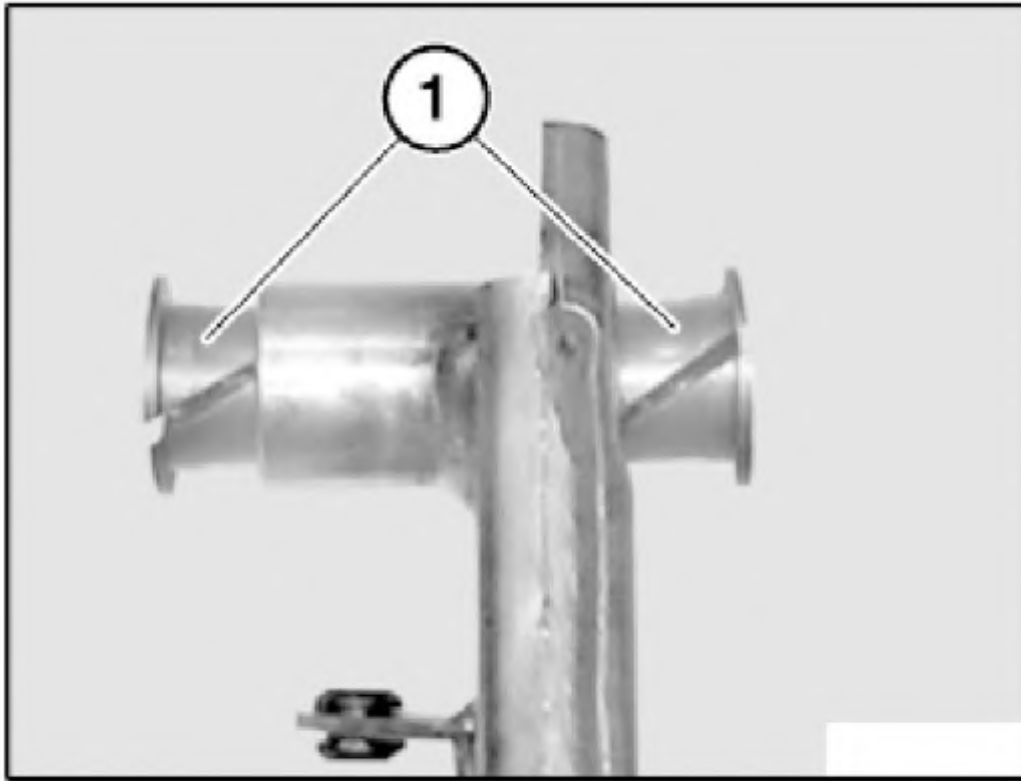
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Fig. 7: Pulling Out Retaining Pin And Detaching Piston Rod From Brake Pedal
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Check bearing bushes (1) and replace if necessary.

Apply a light coat of grease to bearing bushings (1) and bore.



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Fig. 8: Checking Bearing Bushes

Courtesy of BMW OF NORTH AMERICA, INC.

ACCELERATOR PEDAL

35 40 001 REMOVING AND INSTALLING/REPLACING ACCELERATOR PEDAL MODULE

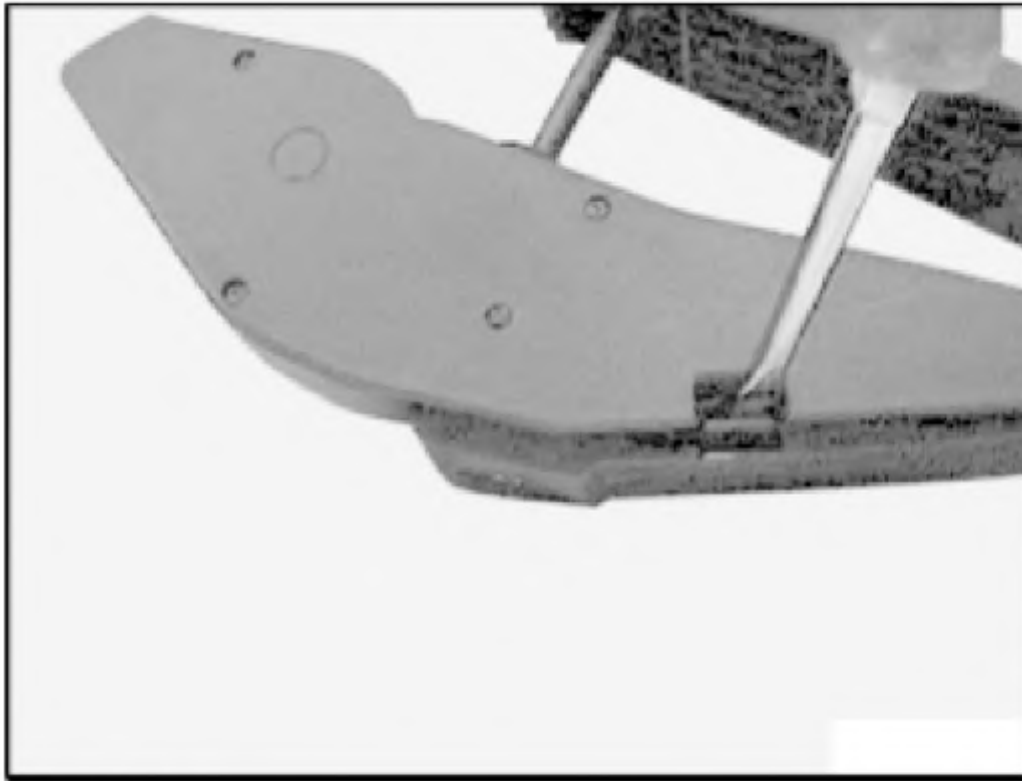
Installation:

Accelerator pedal modules for vehicles with manual and automatic transmissions are different. Accelerator pedal module for automatic vehicles can be identified by its increased pressure point in full-load position.

Lever lock downwards with a screwdriver and detach accelerator pedal module to one side.

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2000-03 BRAKES Pedal Assembly - Repair Information - X5 (4.4L/M62)



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Fig. 9: Identifying Accelerator Pedal Modules
Courtesy of BMW OF NORTH AMERICA, INC.

Press together lock and detach plug.



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Fig. 10: Pressing Together Lock And Detaching Plug
Courtesy of BMW OF NORTH AMERICA, INC.

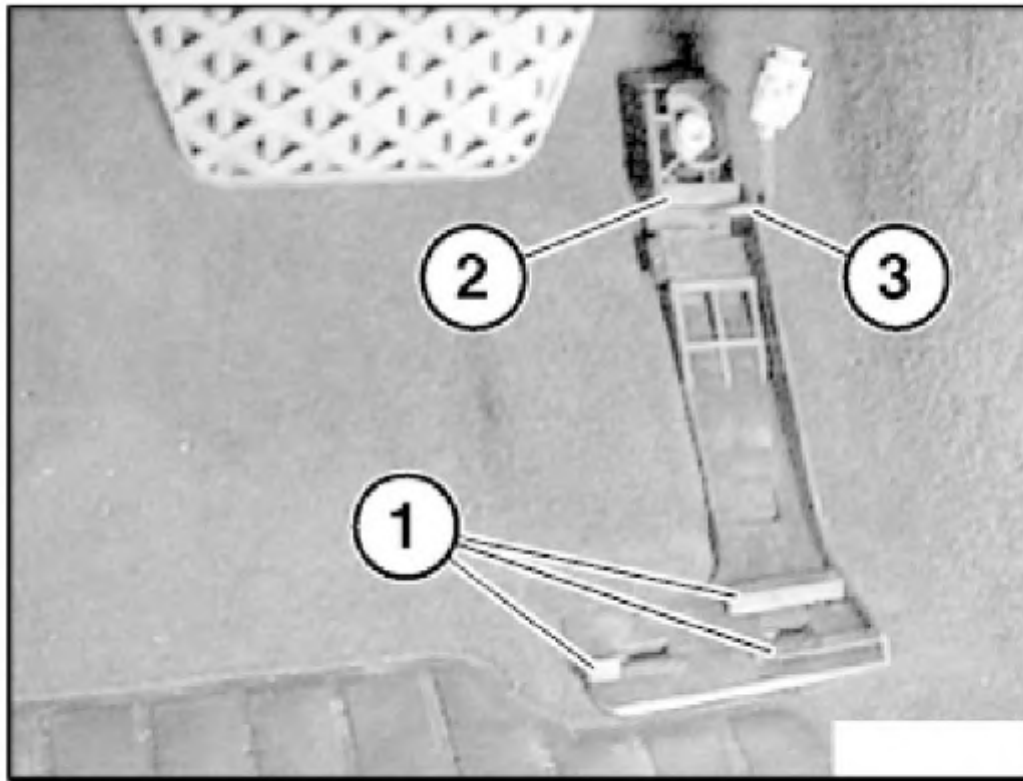
Installation:

Slide accelerator pedal module first at bottom (1) and then at top (2) into guide rails. Mandrel of adapter plate (3) must penetrate into corresponding opening in accelerator pedal module.

In the end position, the right outer surfaces of the adapter plate and the accelerator pedal module are flush and the lock of the adapter plate is snapped into place twice.

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Fig. 11: Identifying Accelerator Pedal Module First At Bottom And Guide Rails
Courtesy of BMW OF NORTH AMERICA, INC.

35 40 503 REPLACING ADAPTER PLATE

WARNING: Always replace disassembled adapter plate with a new part.

Retaining clips of old part can be damaged and adapter plate can slide out of steel plate.

This means there is a risk of accident!

Remove accelerator pedal module. See **35 40 001 Removing And Installing/Replacing Accelerator Pedal Module** .

Release screw (1).

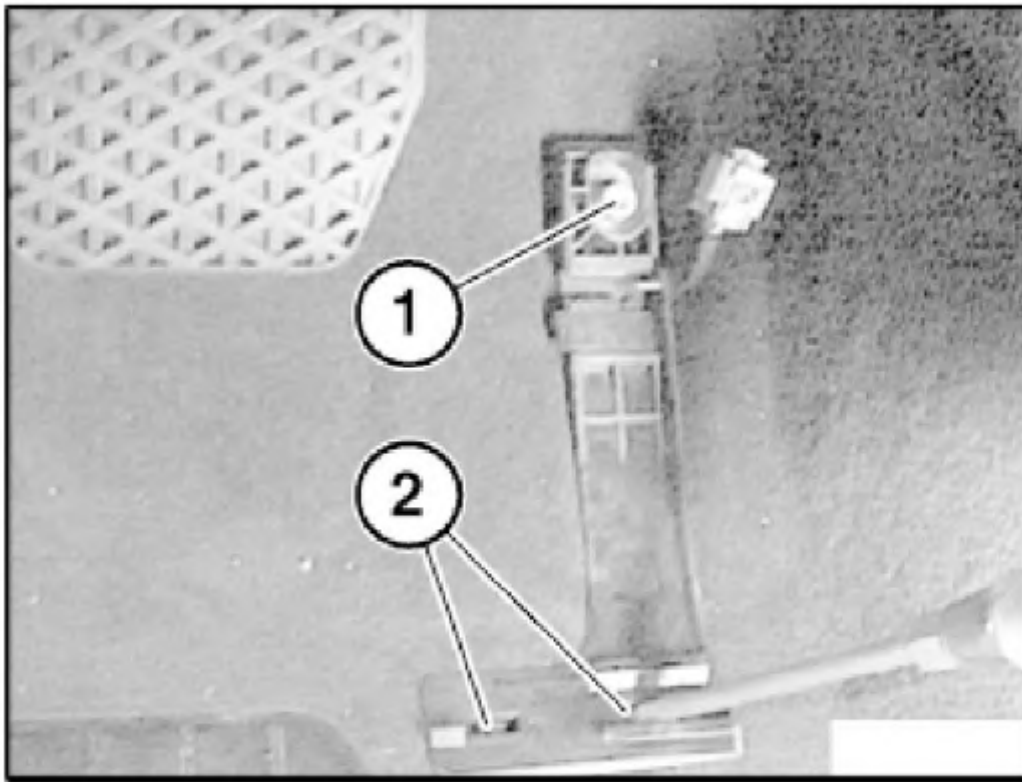
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2000-03 BRAKES Pedal Assembly - Repair Information - X5 (4.4L/M62)

Installation:

Tightening torque, see 35 40 1AZ in **PEDALS - TIGHTENING TORQUES - X5** .

Bend retaining clips (2 and 3) to one side and pull out adapter plate towards top.



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Fig. 12: Releasing Screw And Bending Retaining Clips To One Side
Courtesy of BMW OF NORTH AMERICA, INC.

KICK - DOWN

35 40 001 REMOVING AND INSTALLING/REPLACING ACCELERATOR PEDAL MODULE

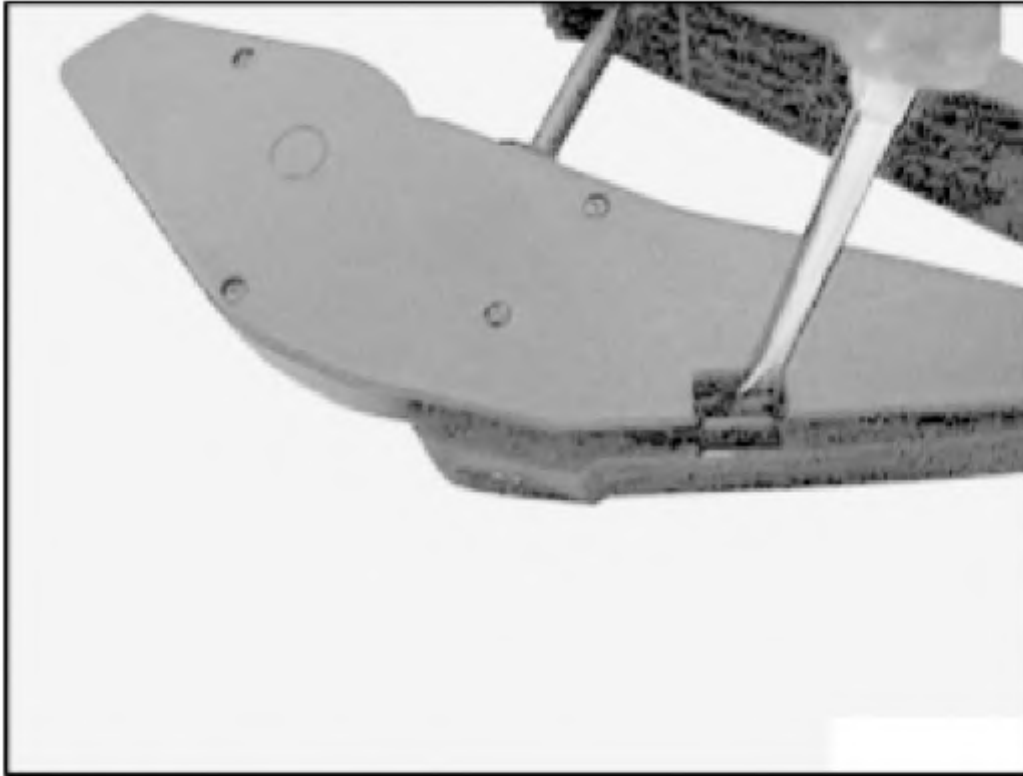
Installation:

Accelerator pedal modules for vehicles with manual and automatic transmissions are different. Accelerator pedal module for automatic vehicles can be identified by its increased pressure point in full-load position.

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2000-03 BRAKES Pedal Assembly - Repair Information - X5 (4.4L/M62)

Lever lock downwards with a screwdriver and detach accelerator pedal module to one side.



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Fig. 13: Detaching Accelerator Pedal Module
Courtesy of BMW OF NORTH AMERICA, INC.

Press together lock and detach plug.



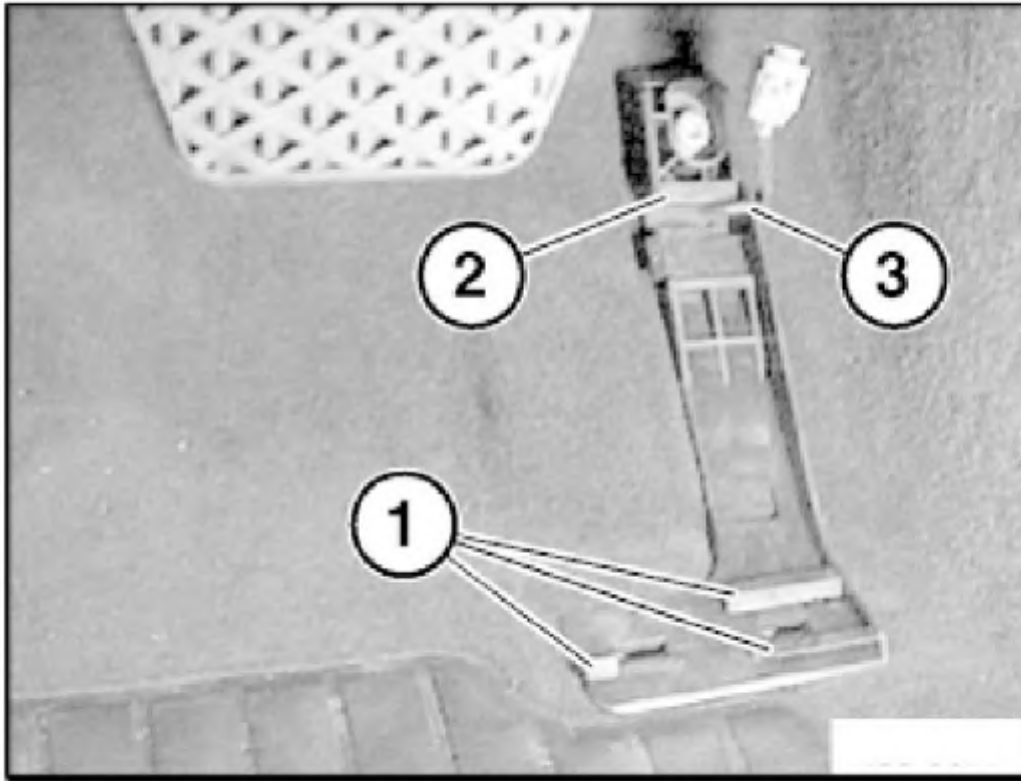
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Fig. 14: Pressing Together Lock And Detach Plug
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Slide accelerator pedal module first at bottom (1) and then at top (2) into guide rails. Mandrel of adapter plate (3) must penetrate into corresponding opening in accelerator pedal module.

In the end position, the right outer surfaces of the adapter plate and the accelerator pedal module are flush and the lock of the adapter plate is snapped into place twice.



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Fig. 15: Identifying Accelerator Pedal Module First At Bottom And Guide Rails
Courtesy of BMW OF NORTH AMERICA, INC.

35 40 503 REPLACING ADAPTER PLATE

WARNING: Always replace disassembled adapter plate with a new part.

Retaining clips of old part can be damaged and adapter plate can slide out of steel plate.

This means there is a risk of accident!

Remove accelerator pedal module.

Release screw (1).

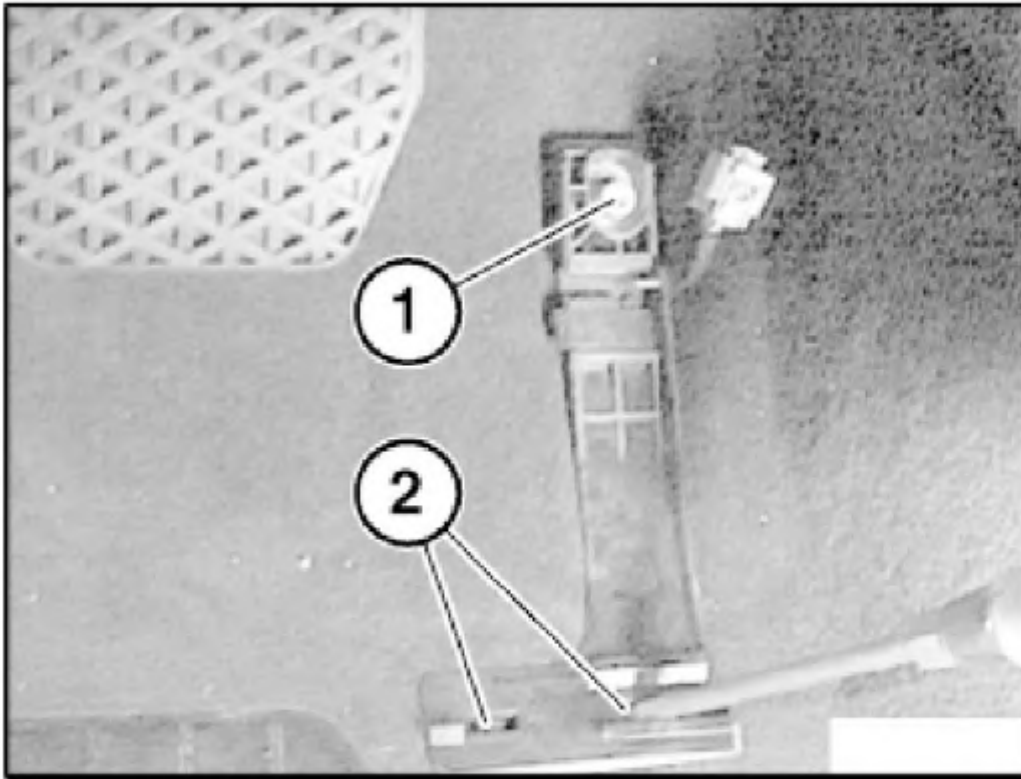
Installation:

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2000-03 BRAKES Pedal Assembly - Repair Information - X5 (4.4L/M62)

Tightening torque, see 35 40 1AZ in **PEDALS - TIGHTENING TORQUES - X5** .

Bend retaining clips (2 and 3) to one side and pull out adapter plate towards top.



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Fig. 16: Release Screw And Bending Retaining Clips To One Side
Courtesy of BMW OF NORTH AMERICA, INC.