

BRAKES

Pedals - Operating Fluids

1.0 GENERAL INFORMATION

For lubricating friction points on the pedal assemblies, use Syntheso Glep 1 (BMW Part No. 83 23 9 407 778).

BRAKES

Pedals - Repair - X6

PEDAL MOUNTING BLOCK

35 11 000 REMOVING AND INSTALLING (REPLACING) COMPLETE BEARING BLOCK FOR FOOT PEDAL

IMPORTANT: After completion of work, carry out function check.

Necessary preliminary tasks:

- **Remove pedal trim . See 51 45 185 REMOVING AND INSTALLING/REPLACING PANEL FOR PEDALS .**

Release screws (1).

Remove air duct (2).

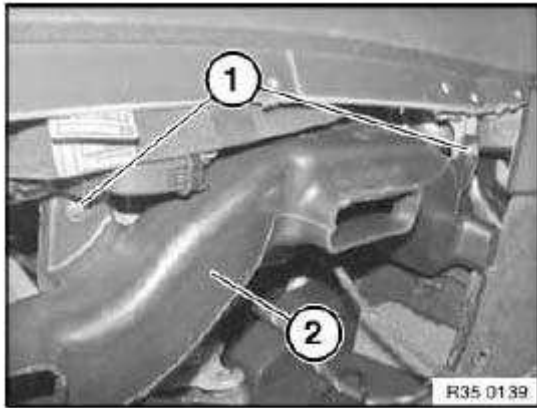


Fig. 1: Identifying Air Duct And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Remove locking clip (2) and pull out locking pin in direction of arrow.

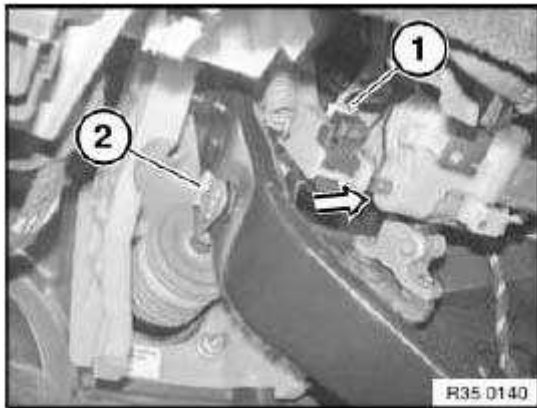


Fig. 2: Removing Locking Clip
 Courtesy of BMW OF NORTH AMERICA, INC.

Unscrew nuts (1).

Installation:

Replace self-locking nuts.

Tighten nuts (1) such that bearing block can still be moved.

Make sure bearing block is correctly seated on body.

Tighten nuts (1).

Tightening torque 35 11 1AZ , see 35 11 PEDAL ASSEMBLY CONSOLE .

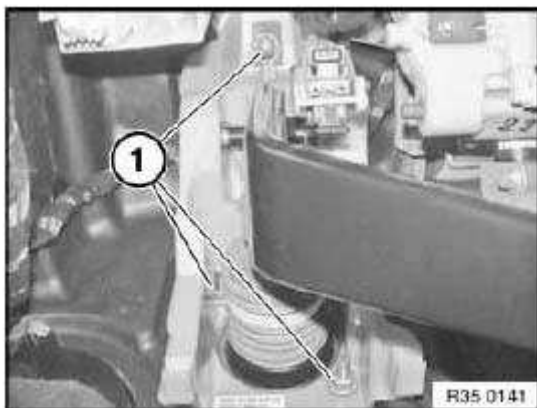


Fig. 3: Identifying Nuts
 Courtesy of BMW OF NORTH AMERICA, INC.

Remove **left partition wall for equipment compartment** . See 51 71 ... REMOVING AND INSTALLING/REPLACING ASSEMBLY COMPARTMENT PARTITION WALL .

Unclip retaining bar (1) and remove both brake lines (2) from guides.

IMPORTANT: Do not bend brake lines.

Pull brake master cylinder with brake booster 30 mm forwards.

Installation:

Retighten brake lines on brake master cylinder.

Tightening torque **34 32 1AZ** , see **34 32 BRAKE LINES** .

Feed out bearing block for pedal assembly.

Replacement:

- Modify **brake light switch** . See **61 31 310 REPLACING BRAKE-LIGHT SWITCH** .
- Modify brake pedal spring
- Modify pedal rubber

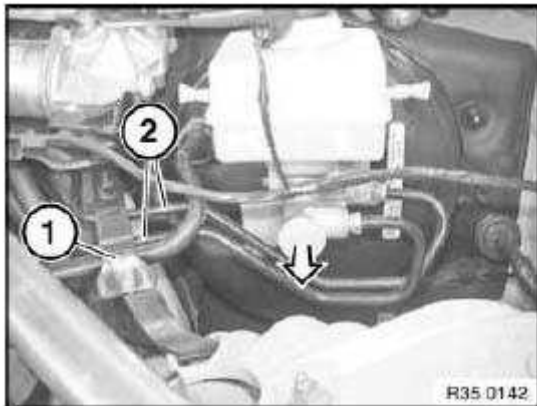


Fig. 4: Removing Brake Lines From Guides
Courtesy of BMW OF NORTH AMERICA, INC.

35 21 041 REPLACING SPRING FOR BRAKE PEDAL

Necessary preliminary tasks:

- Remove **bearing block for pedal assembly**

Disconnect return spring (1).

NOTE: **Check grommet (2) for damage, replace if necessary.**

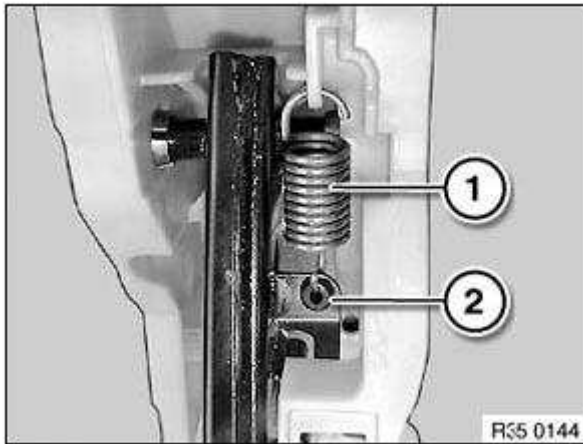


Fig. 5: Identifying Return Spring And Grommet
Courtesy of BMW OF NORTH AMERICA, INC.

BRAKE PEDAL WITH LINKAGE

35 21 041 REPLACING SPRING FOR BRAKE PEDAL

Necessary preliminary tasks:

- Remove bearing block for pedal assembly

Disconnect return spring (1).

NOTE: Check grommet (2) for damage, replace if necessary.

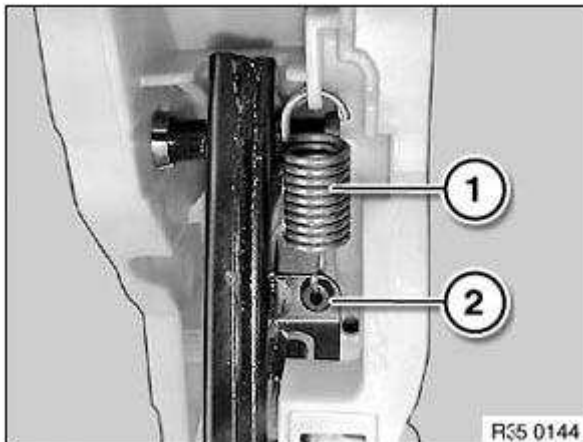


Fig. 6: Identifying Return Spring And Grommet
Courtesy of BMW OF NORTH AMERICA, INC.

ACCELERATOR PEDAL ACTUATOR

35 40 001 REMOVING AND INSTALLING OR REPLACING ACCELERATOR PEDAL MODULE

Take off cap.

Release screw.

Pull accelerator pedal module upwards out of fixture.

Installation:

Tightening torque 35 40 1AZ . See 35 40 PEDALS .

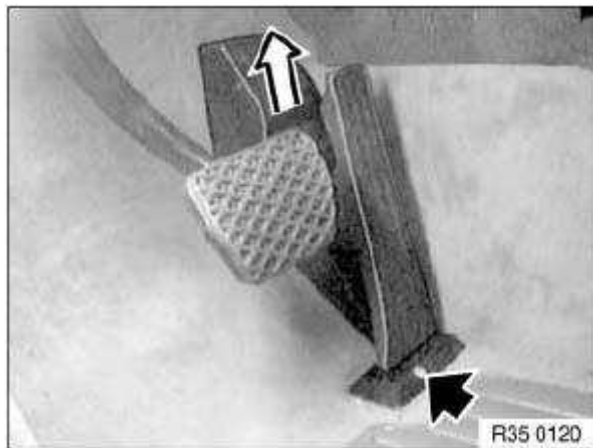


Fig. 7: Pulling Accelerator Pedal Module Upwards
Courtesy of BMW OF NORTH AMERICA, INC.

Pull off plug (1).

Remove accelerator pedal module.

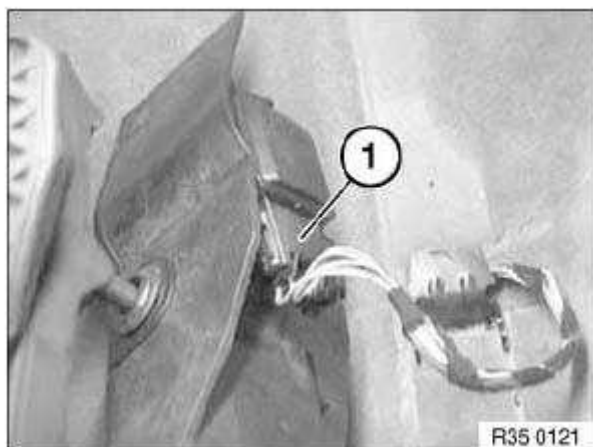


Fig. 8: Identifying Accelerator Pedal Module Plug

Courtesy of BMW OF NORTH AMERICA, INC.

IMPORTANT: Accelerator pedal module can only be replaced completely with adapter plate.

BRAKES

Pedals - Tightening Torques

PEDAL MOUNTING BLOCK

35 11 PEDAL ASSEMBLY CONSOLE

PEDAL ASSEMBLY CONSOLE-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening specification	Measure
1AZ Bearing pedestal to brake assembly and body	E70, E71	M8	Retighten 1x on brake booster after 5 min	24 Nm
2AZ Bearing block to bracket, top	E70, E71	M8		24 Nm

ACCELERATOR PEDAL

34 41 PARKING BRAKE

PARKING BRAKE-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening specification	Measure
1AZ Spring clip to wheel carrier	E70, E71	M6		8 Nm
2AZ Support Duo-Servo to wheel carrier, rear	E70, E71	M10		60 Nm
3AZ Bracket, EMF, to rear axle carrier	E70, E71	M8		19 Nm
4AZ EMF actuating unit to bracket	E70, E71		self-tapping screw	4 Nm
5AZ Union nut, parking brake Bowden cables, to actuating unit	E70, E71		wrench size 27 mm	6 Nm

35 11 PEDAL ASSEMBLY CONSOLE

PEDAL ASSEMBLY CONSOLE-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening specification	Measure
1AZ Bearing pedestal to brake assembly and body	E70, E71	M8	Retighten 1x on brake booster after 5 min	24 Nm
2AZ Bearing block to bracket, top	E70, E71	M8		24 Nm

35 40 PEDALS

PEDALS-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening specification	Measure
1AZ Accelerator pedal module to body	E70, E71			8 Nm