

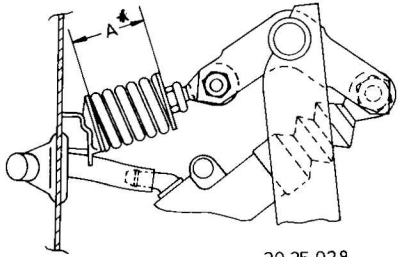
35 Pedals

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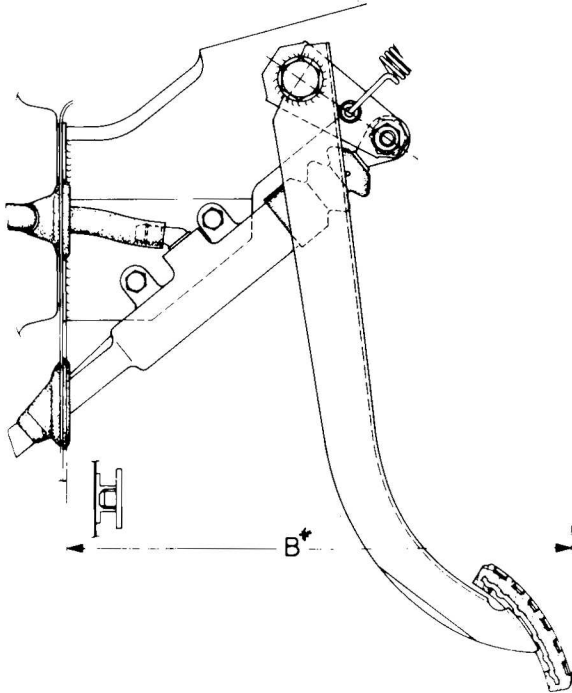
35-1

PEDAL LAYOUT DRAWINGS BRAKE PEDAL

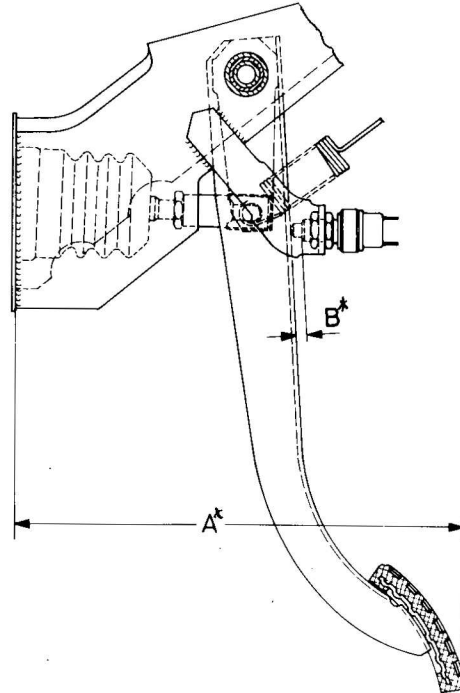
CLUTCH PEDAL Over-center Helper Spring



30 35 028

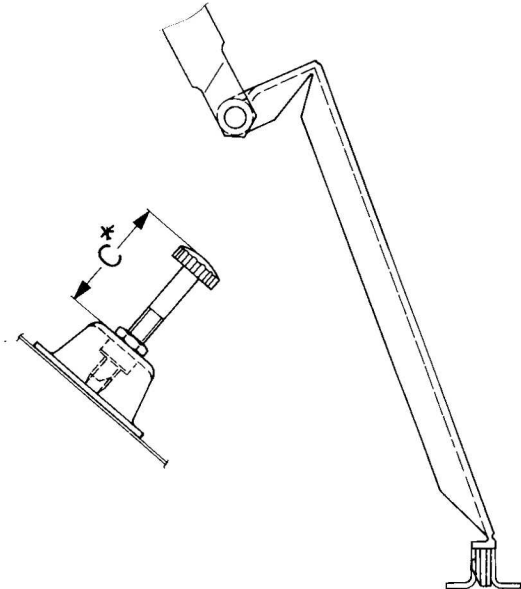


30 35 002



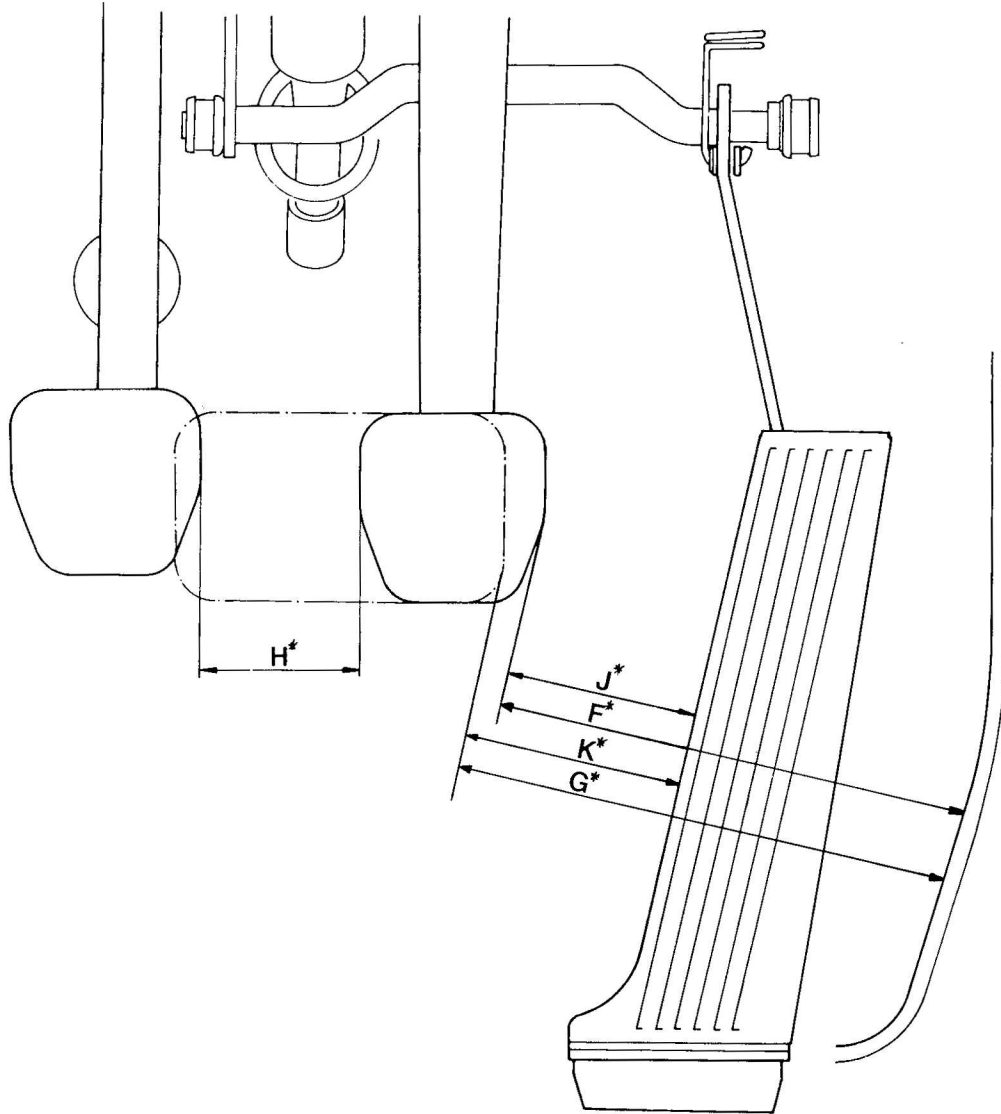
30 35 001

ACCELERATOR PEDAL



20 35 022

CONTROL DISTANCES FOR PEDAL SIDE CLEARANCE



28 35 005

35 11 000 REMOVING AND INSTALLING PEDAL BASE ASSEMBLY

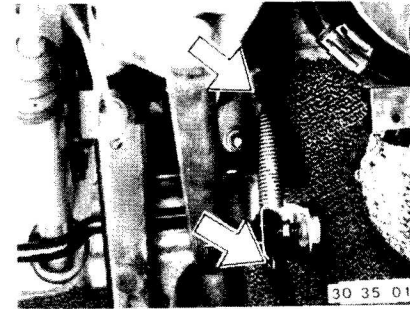
Disconnect battery ground lead. Remove dashboard trim panel at bottom left – see Group 51.

Pull off plug on stop light switch. Pull off central electric plug on steering column.

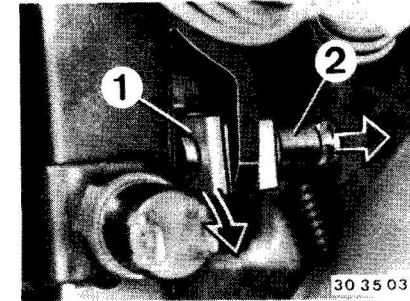
Note:
Beginning with 1987 models, pull off plug of stop light switch – see Group 61.

Version with Return Spring on Clutch Pedal:
Disconnect return spring on body.

Disconnect brake pedal return spring on pedal.

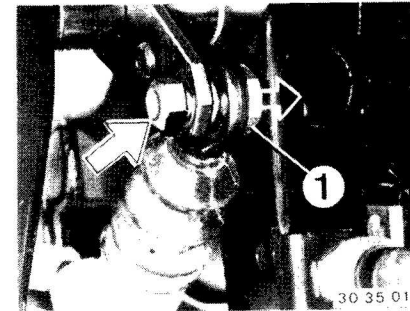


Disconnect accelerator pedal return spring on pedal.



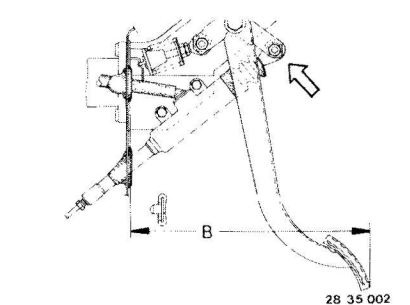
Press off clamp (1) on brake linkage. Pull out shaft (2).

Installation:
Lubricate bearing surfaces with grease*.



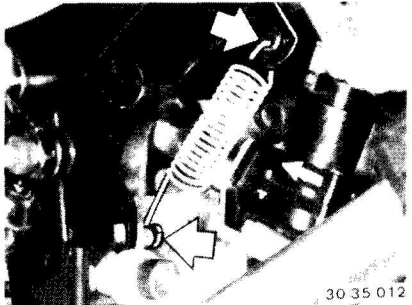
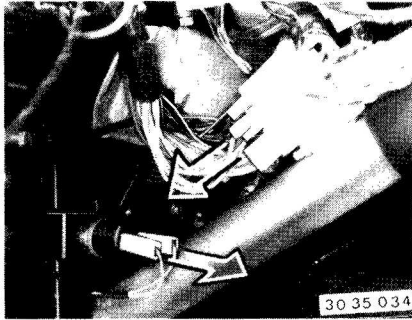
Unscrew nut. Pull out eccentric (1).

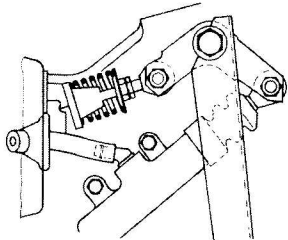
Installation:
Lubricate setscrew with grease* before installing. Tightening torque*.



Installation:
Adjust clutch pedal to distance (B)* with the eccentric. Tightening torque*.

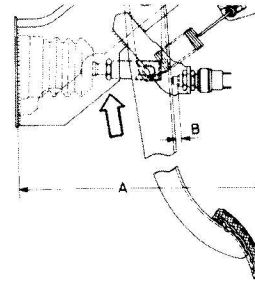
* See Specifications





28 35 001

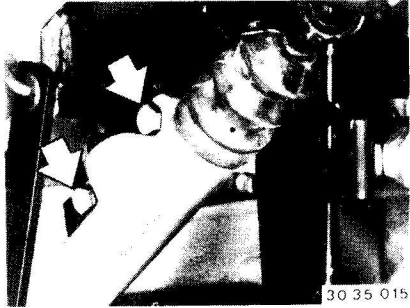
Installation:
Check for correct installed position in models with an over-center helper spring.
Also refer to the pedal assembly drawing.



28 35 003

Installation:
Adjust brake pedal to distance (A)* on the brake master cylinder push rod.

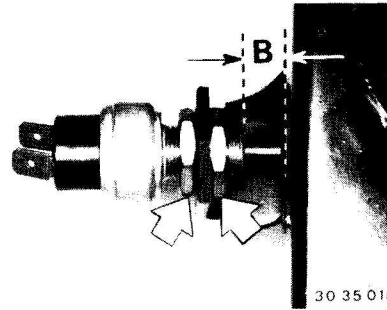
Important!
Movement must be limited in the brake master cylinder and may not be accomplished with, for example, the stop light switch (distance "B").



30 35 015

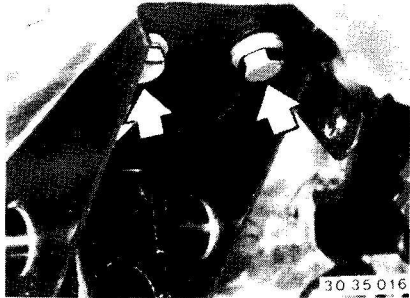
Unscrew master cylinder on pedal base.

Installation:
Tightening torque*.



30 35 018

Installation:
Lubricate brake pedal with grease* in area of the stop light switch.
Adjust stop light switch to distance (B)*.



30 35 016

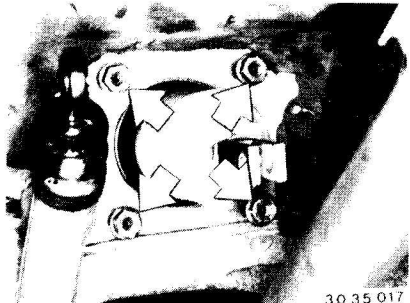
Unscrew bolts.

Installation:
Tightening torque*.



30 35 468

Stop Light Switch Since 1987 Models:
Adjust - see Group 61.
Check function of stop lights.



30 35 017

Unscrew base on engine compartment wall.

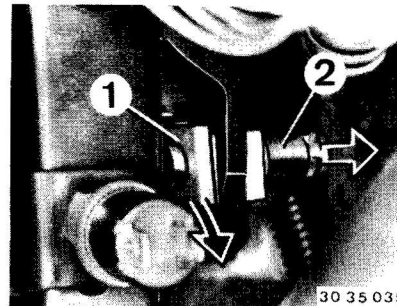
Installation:
Tightening torque*.

* See Specifications

* See Specifications

35 21 000 REMOVING AND INSTALLING BRAKE PEDAL

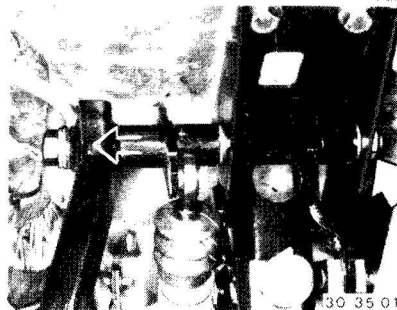
Remove dashboard trim panel at bottom left – see Group 51.



Press off clamp (1) on brake linkage.
Pull out shaft (2).

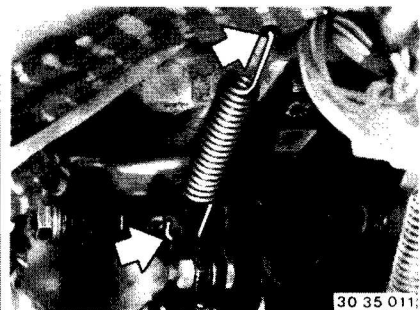
Installation:
Lubricate bearing surfaces with grease*.

Version with Return Spring on Clutch Pedal:
Disconnect return spring on body.

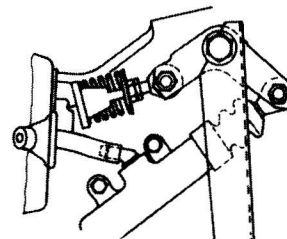
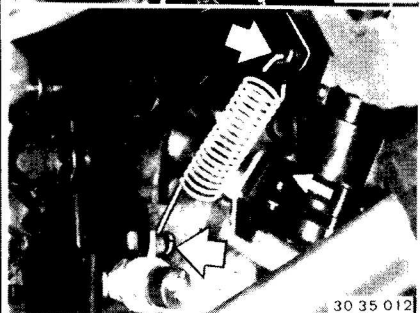


Unscrew nut.
Pull out shaft.
Take off pedal.

Installation:
Lubricate bearing surfaces with grease*.
Replace self-locking nuts.
Tightening torque*.



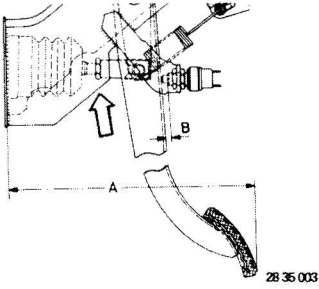
Disconnect brake pedal return spring on pedal.



Installation:
Check for correct installed position in models with an over-center helper spring.
Also refer to the pedal layout drawing.

* See Specifications

35-5.1

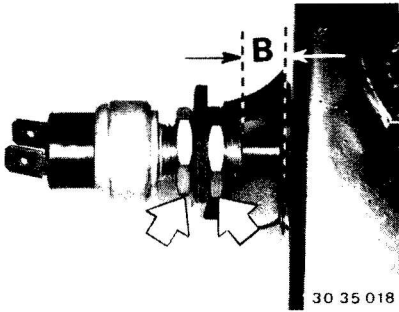


Installation:

Adjust brake pedal to distance (A)* on the brake master cylinder push rod.

Important!

Movement must be limited in the brake master cylinder and may not be accomplished with, for example, the stop light switch (distance "B").



Installation:

Lubricate brake pedal with grease* in area of the stop light switch.
Adjust stop light switch to distance (B)*.

Stop Light Switch Since 1987 Models:

Adjust – see Group 61.
Check function of stop lights.



* See Specifications

35 31 000 REMOVING AND INSTALLING CLUTCH PEDAL

Remove dashboard trim panel at bottom left – see Group 51.

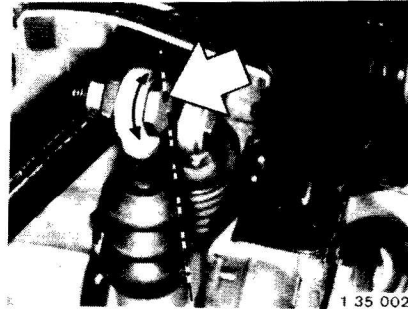
Version with Clutch Pedal Return Spring:
Disconnect clutch pedal return spring on body.

Disconnect brake pedal return spring on pedal.

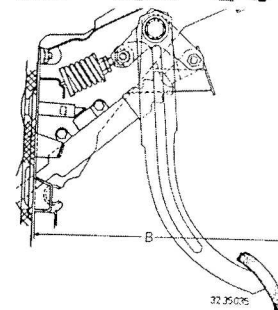
Unscrew nut – pull out eccentric (1).

Installation:
Install eccentric bolt with Molykote Longterm 2.
Tightening torque*.

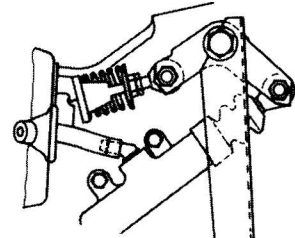
* See Specifications



1 35 002



32 35 026



28 35 001

Adjusting Clutch Pedal Eccentric Bolt:
Turn eccentric bolt until dot on the eccentric bolt is opposite the clutch master cylinder.

Distance B* must be reached.
Turn the eccentric bolt 180° if distance B is not reached with the previously described adjustment.

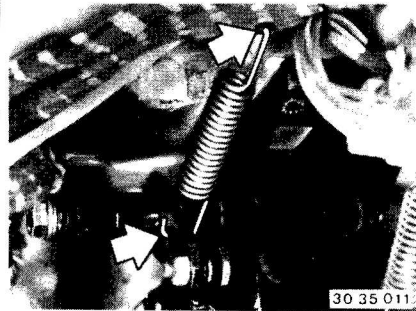
Important!
Intermediate positioning of the eccentric bolt is not permitted!

Installation:
Check for correct installed position in models with an over-center helper spring.

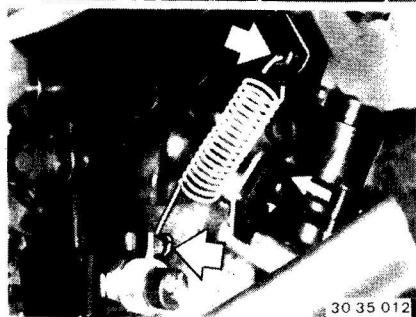
Unscrew nut.
Pull out shaft and take off pedal.

Installation:
Replace self-locking nut.
Tightening torque*.

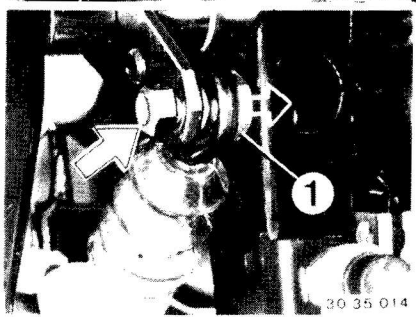
* See Specifications



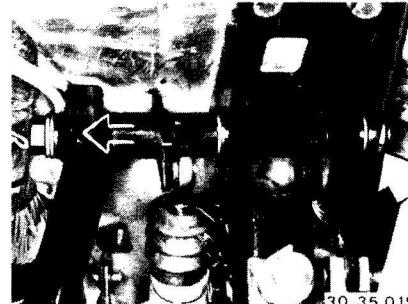
30 35 011



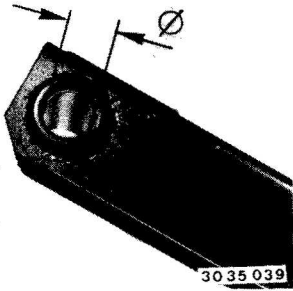
30 35 012



30 35 014



30 35 019



35 21 011 REPLACING BRAKE PEDAL
BEARING SLEEVE

35 31 011 REPLACING CLUTCH PEDAL
BEARING SLEEVE

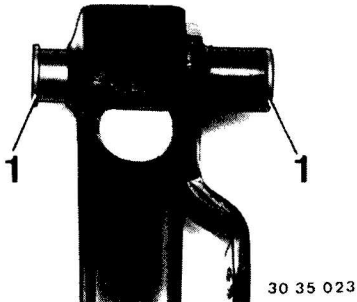
Remove pedal – see 35 21 000 or
35 31 000.

**Pedal with Injection Molded Bearing
Sleeve:**

Replace pedal in case of wear.

When pedal movement is difficult, drill
or ream out the bearing sleeve to a
production diameter of $14.2 + 0.1$ mm
($0.559 + 0.004$ ").

Lubricate bearing surface with grease*.



Pedal with Press Fit Bearing Sleeves:

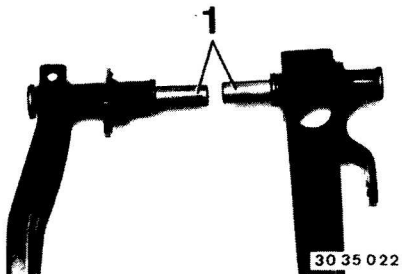
Identification:

Bearing sleeves protrude into the guide
pipe on the left and right sides by only
approx. 17 mm (0.669").

Press out bearing sleeves (1) for brake
and clutch pedals.

Installation:

Lubricate spacer with grease*.



* See Specifications

35 41 000 REMOVING AND INSTALLING ACCELERATOR PEDAL

Important!
 Replace a removed accelerator pedal with a new part in general. Clips on the old part could be damaged, so that the accelerator pedal can slide out of the plate. This could lead to an accident!

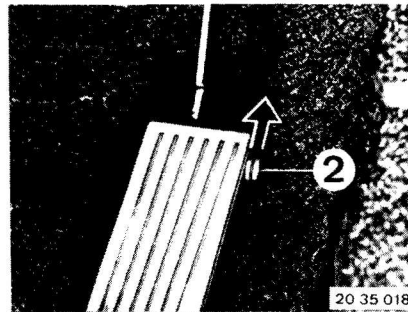
Press off retainer (1) on the accelerator pedal shaft.
 Press down on carpet (2) behind the accelerator pedal.
 Press in clips (3) in direction of arrow and lift out accelerator pedal upward.

Important!
 Always check that clips engage correctly.

35 41 010 REMOVING AND INSTALLING ACCELERATOR PEDAL LEVER

Remove dashboard trim panel at bottom left – see Group 51.

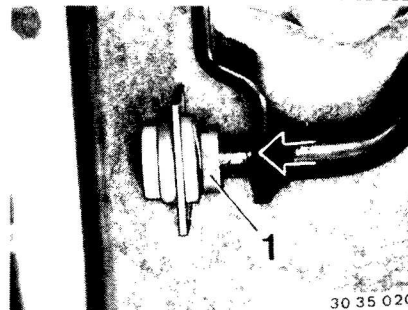
Disconnect accelerator lever spring on pedal.



Press off retainer (2).
 Disconnect pedal.

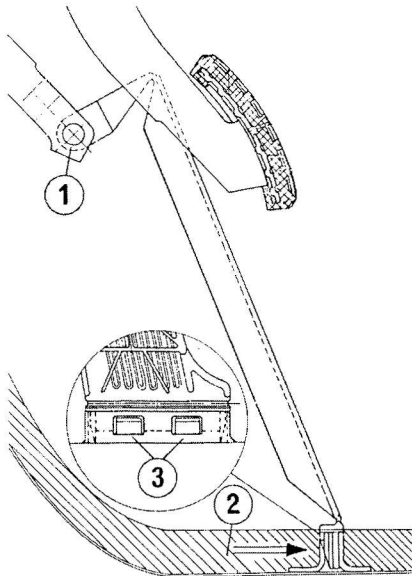


Disconnect cable on pedal.

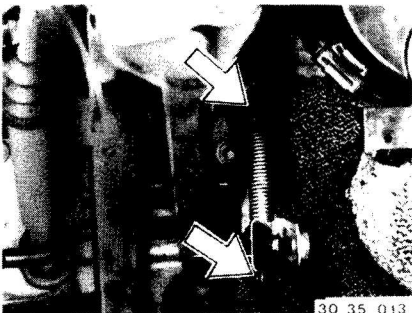


Pull off retainer (1).
 Side shaft to the left.

Installation:
 Lubricate bearing surfaces with grease*.



28 35 006



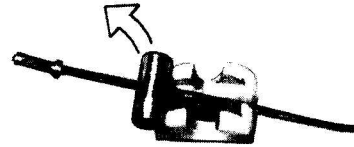
30 35 013

* See Specifications

35 41 421 REPLACING ACCELERATOR CABLE

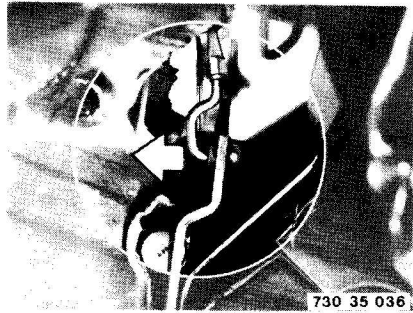
Remove dashboard trim panel at bottom left – see Group 51.

Take nipple off of cable.

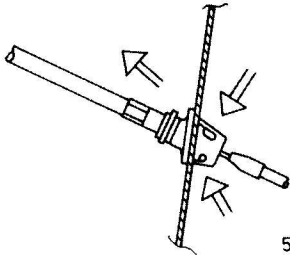


30 35 029

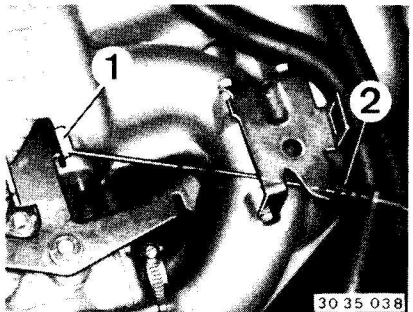
Disconnect cable on pedal lever.



Compress locking hooks and pull cable out of the engine compartment wall.



Press operating nipple (1) out of the throttle valve lever.
Disconnect rubber pad on holder (2).



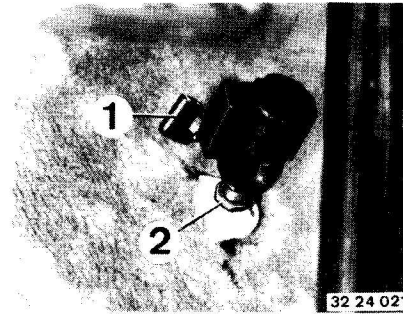
ACCELERATOR CABLE ADJUSTING PROCEDURES:

Manual Transmission:

1. Accelerator pedal on neutral stop.
2. Throttle valve in neutral position (automatic choke switched off).
3. Adjust the cable to remove tension.
4. Turn adjusting screw on full throttle stop of pedal base that there is still 0.5 mm (0.020") play on the full throttle stop of the throttle valve with the accelerator pedal plate in full throttle position. Unscrewing the adjusting screw one and one half turns = 0.5 mm (0.020") play.

Automatic Transmission:

- 1.-3. same as for manual transmission.
4. Check control distance C* of the full throttle stop.
5. Adjust full throttle stop that there is still 0.5 mm (0.020") play on full throttle stop of the throttle valve in kickdown position (pedal pressed beyond full throttle stop). Unscrewing the full throttle stop one and one half turns = 0.5 mm (0.020") play. Lock with the M 8 nut.
6. Check the pressure point for automatic transmission — see 24 00 004.



35 41 480 REPLACING KICKDOWN SWITCH (EH TRANSMISSION)

Check — see BMW Test Plan in Group 24.
 Pull off flat male plug (1).
 Unscrew nuts (2).
 Unscrew switch.

Installation:

Adjust locknuts to distance C*.
 Make final adjustments after installation.
 Tightening torque*.

