

25 Gear Shift Mechanism

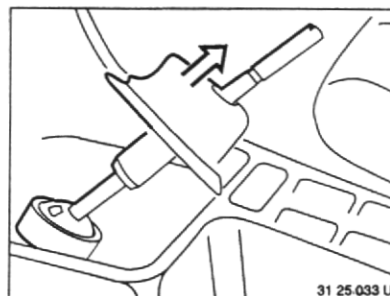
25 11 000	Shift lever – remove and install	25-11/1
001	Shift lever – replace	25-11/2
041	Shift lever spherical plate – replace	25-11/2
071	Shift lever knob – replace	25-11/2
25 16 050	Selector lever and console – remove and install	25-16/2
061	Selector lever grip – replace	25-16/3
076	Selector lever pull rod – replace	25-16/3
080	Selector lever – remove and install or replace	25-16/4
202	Cable for gear selection arm – replace	25-16/4

25-11/1

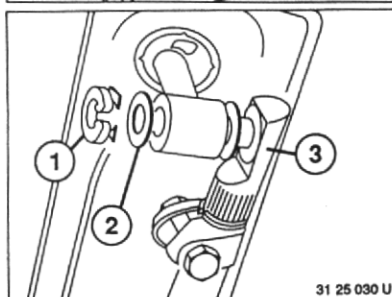


25 11 000 REMOVING AND INSTALLING SHIFT LEVER

Lift cover out of retainers.
Pull off shift lever knob suddenly by hand.
Pulling off force: approx. 40 kp (85 lbs.).
Remove exhaust assembly* – see 18 00 020.
Unscrew heat shield.
Unscrew propeller shaft on transmission and center mount – see 26 11 000.

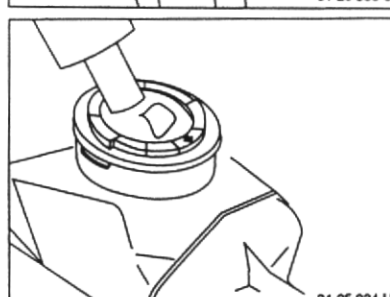


Pull rubber grommet out of body opening and remove together with the shift lever upward.

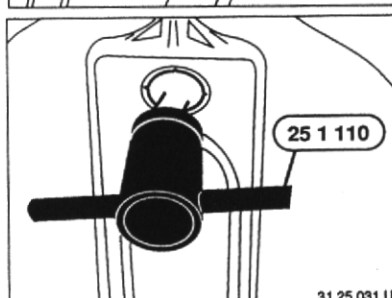


Remove circlip (1).
Take off washer (2).
Pull out shift rod (3).

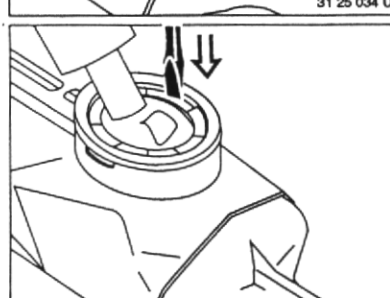
Installation:
Coat bearing with Klüber Polytop GLY 801*.



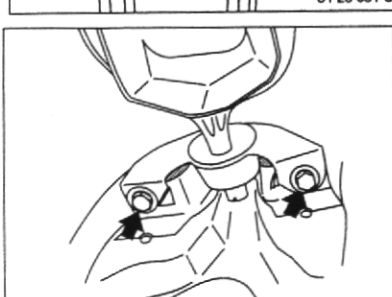
Insert shift lever with spherical plate. Install bearing shell that the tabs or arrows face in direction of the bearing pin.



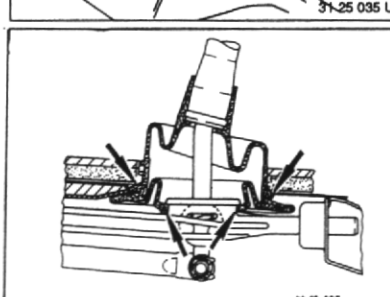
Apply and turn Special Tool 25 1 110 anticlockwise by 90°.
Push up spherical plate.



Press down on bearing shell at position of the retainers until they are heard to engage.

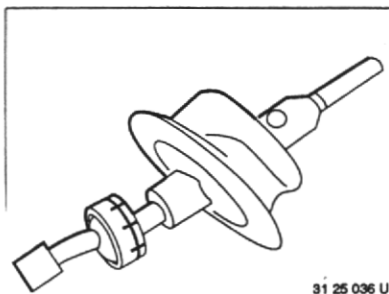


Unscrew mount on body.



Installation:
Button inside dust cover above the shift arm and outside dust cover in the body opening.

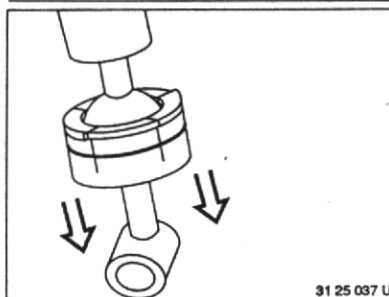
* Source of Supply: HWB



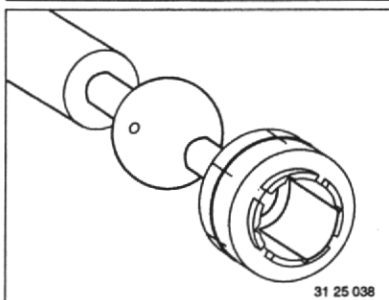
**25 11 001 REPLACING COMPLETE
SHIFT LEVER**

Remove shift lever – see 25 11 000.
Pull rubber grommet off of the shift
lever.

Installation:
Install rubber grommet on the shift
lever with tire mounting paste.



Press off bearing shell downward.



Bearing shell can be taken off of the
shift lever through the slots in the bear-
ing shell.

Installation:
Coat bearing shell and ball with Klüber
Polyup GLY 801*.

**25 11 041 REPLACING BEARING SHELL
FOR SHIFT LEVER**

Contained in "Replacing Shift Lever" –
see 25 11 001.



**25 11 071 REPLACING KNOB FOR
SHIFT LEVER**

Lift cover out of retainers.
Pull off shift lever knob suddenly by
hand.
Pulling off force: approx. 40 kp
(85 lbs.).

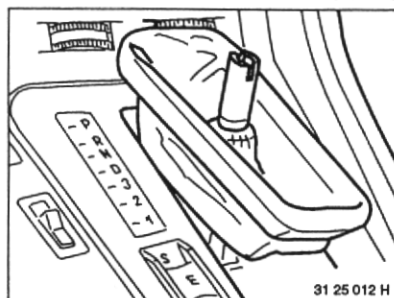
* Source of Supply: HWB

25-16/2

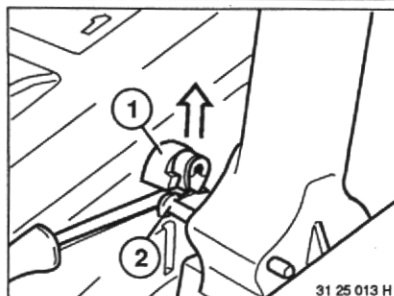


25 16 050 REMOVING AND INSTALLING SELECTOR LEVER AND CONSOLE

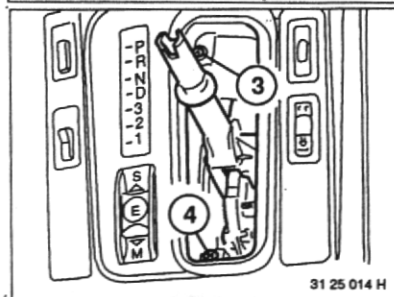
Pull off selector lever grip suddenly by hand.
Pulling off force: approx. 25 kp (55 lbs.).



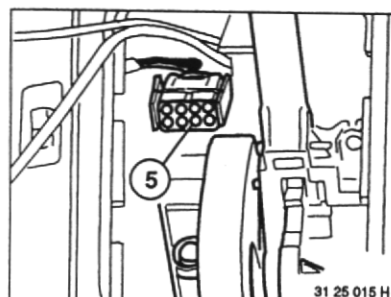
Lift out cover.



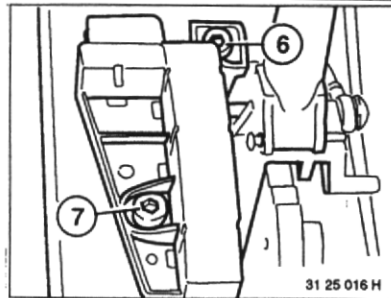
Press up drive clip (1) with a screwdriver until pin (2) can be moved. Pin (2) remains in the selector lever.



Unscrew screws (3 and 4).

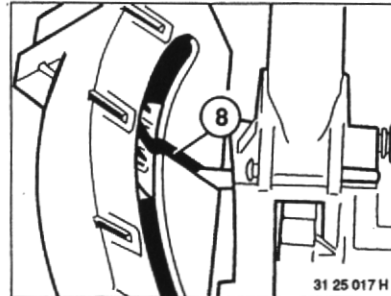


Lift out cover.
Pull plug (5) off of the transmission switch.

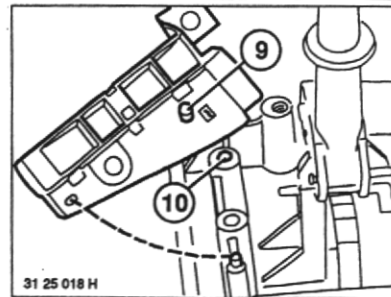


Unscrew screws (6 and 7).

Installation:
Screws are micro-encapsulated and must be replaced after each removal. Tightening torque*.



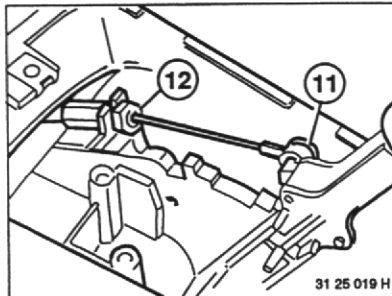
Move selector lever until the transmission switch can be taken off of the drive pin through slot (8).



Installation:
Bead (9) on the transmission switch must engage in bore (10).

* See Specifications

25-16/3

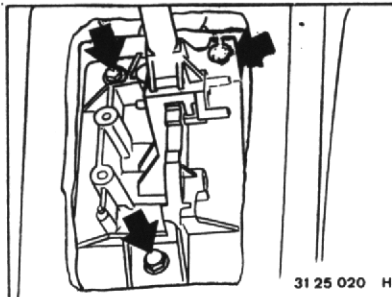


Press off retainer (11).

Installation:
Replace retainer (11).

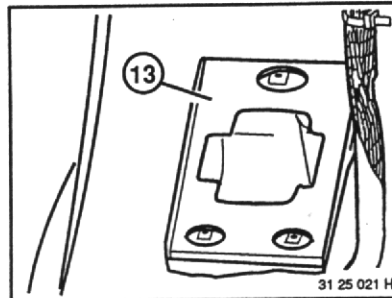
Unscrew nut (12).
Disconnect cable.

Installation:
Adjust selector lever – see 24 00 006.

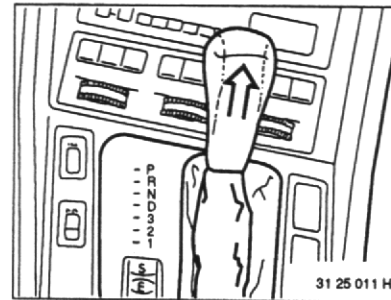


Unscrew screws.
Remove console with selector lever.

Installation:
Tightening torque*.

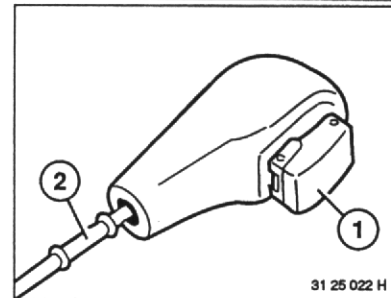


Installation:
Check condition of seal (13), replacing if necessary.

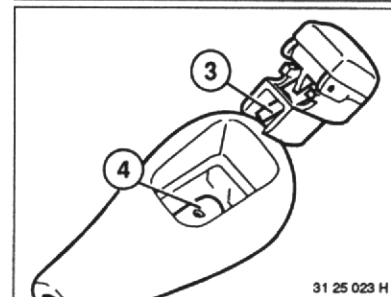


25 16 061 REPLACING GRIP FOR SELECTOR LEVER

Pull off selector lever grip suddenly by hand.
Pulling off force: approx. 25 kp (55 lbs.).



Pry out operating button (1) with a screwdriver.
Remove pull rod (2).



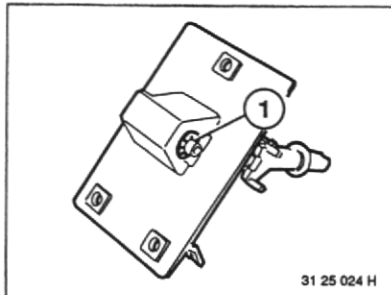
Installation:
Pin (3) must be guided into bore (4) of the pull rod.
Check function of the pull rod.

25 16 076 REPLACING PULL ROD IN SELECTOR LEVER

Contained in "Replacing Grip for Selector Lever" – see 25 16 061.

* See Specifications

25-16/4



25 16 080 REMOVING AND INSTALLING OR REPLACING SELECTOR LEVER

Remove console – see 25 16 050.

Remove retainer (1).

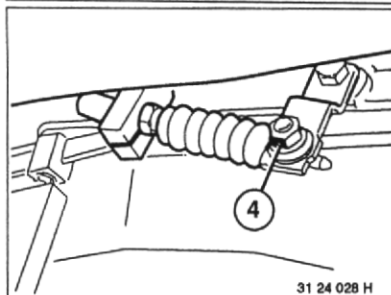
Installation:

Replace retainer (1).

Drive out bearing pin.

Installation:

Lubricate bearing surfaces with Klüber
Polyup GLY 801**.



25 16 202 REPLACING CABLE FOR GEAR SELECTING ARM

Unscrew nut (4) — counterhold.

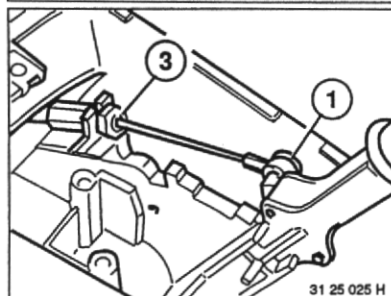
Disconnect cable on holder.

Pull out cable.

Installation:

Tightening torque*.

Adjust selector lever – see 24 00 006.



Remove selector lever grip, cover and
plate (see 25 16 050).

Press off retainer (1).

Installation:

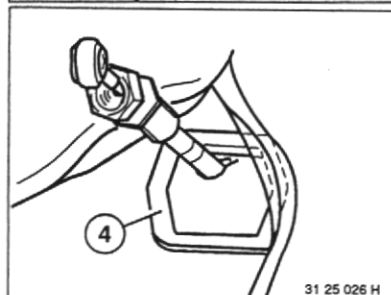
Replace retainer (1).

Unscrew nut (3).

Disconnect cable.

Installation:

Tightening torque*.



Cut carpet above cable up to seal (4).
Pull out cable from above.

Installation:

Check for perfect seating of seal (4).

Replace transmission switch – see

Group 61.

Replace program switch – see Gr. 61.

* See Specifications

** Source of Supply: HWB