

Schaltung

Gear shift mechanism

Dispositif de changement des vitesses

Impianto cambio marcia

Dispositivo cambio de velocidades

Växlingsmekanism

Schakelmechanisme

25 Gear shift

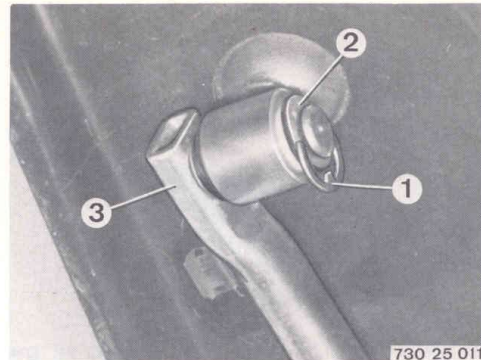
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25 Selector lever ZF 3 HP – 22

2516050	Removing and installing selector lever and base	Page 25-16/1
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25 11 000 Gear lever – removing and installing

Simplify installation by engaging reverse gear.
Remove the circlip (1).
Take off the washer (2).
Pull out the selector rod (3).

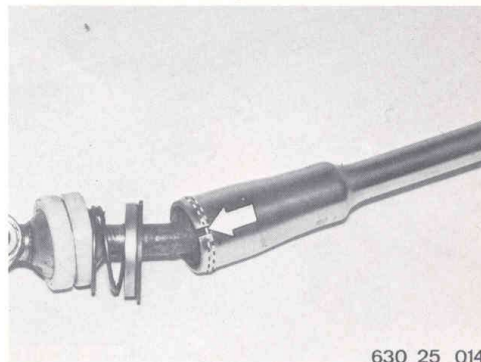


Push the flexible gaiter up.
Remove the circlip (4).
Lift out the gear lever.
When installing: Apply "Longterm 2" grease to the ball sockets.

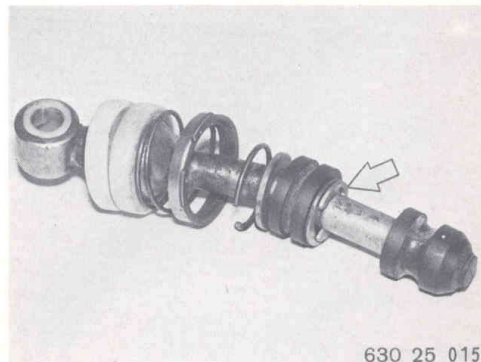


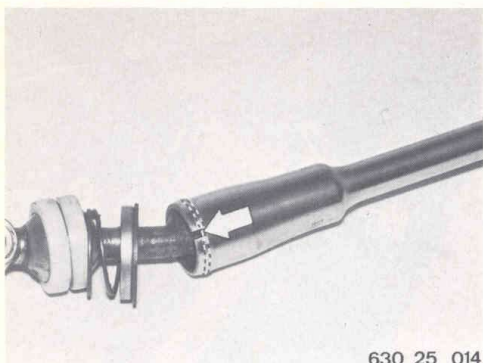
25 11 011 Rubber rings in gear lever – renewing

Remove gear lever – 25 11 000.
Remove the wire snap ring.



Detach the gear lever from the gear lever base.
Remove the lock washer.
Take out the rubber rings.





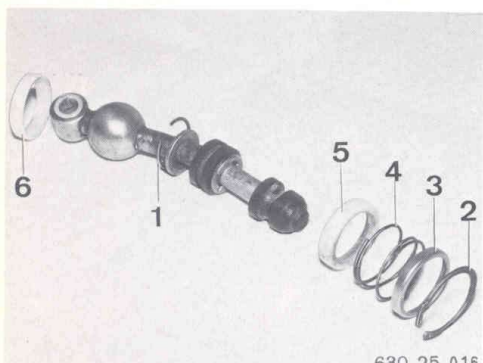
630 25 014

25 11 041 Gear lever ball sockets – renewing

Remove the gear lever – 25 11 000.

Remove the wire snap ring.

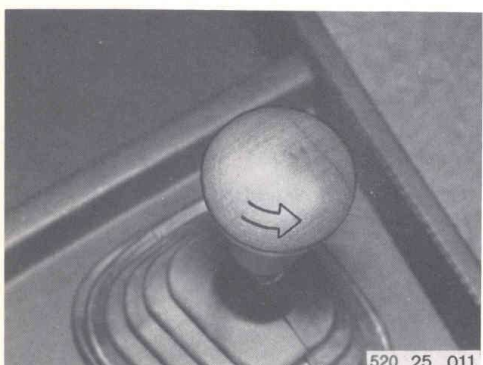
Pull off the upper section of the gear lever.



630 25 016

Components: wire snap ring (1), circlip (2), spring cup (3), spring (4), ball sockets (5 and 6).

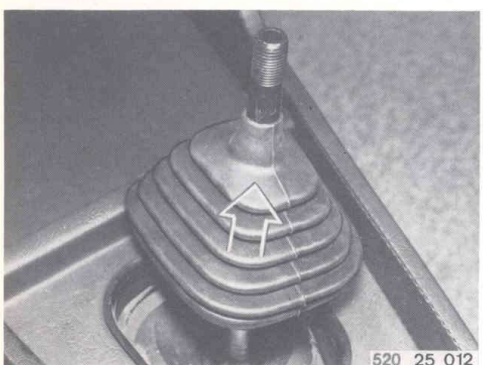
When installing: Apply "Longterm 2" grease to the ball sockets.



520 25 011

25 11 081 Flexible gaiter for gear lever – renewing

Unscrew the gear lever knob.



520 25 012

Take off the flexible gaiter.

25 11 111 Selector rod pivot – renewing

Detach exhaust pipe support and exhaust pipes from exhaust manifolds.

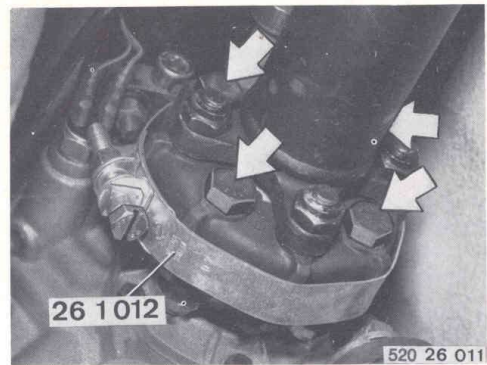
When installing: make sure that no stresses are trapped in the exhaust pipe support.

Attach clamp strap 26 1 012.

Unscrew the bolts.

Warning: to prevent damage to the threads, turn the nuts only.

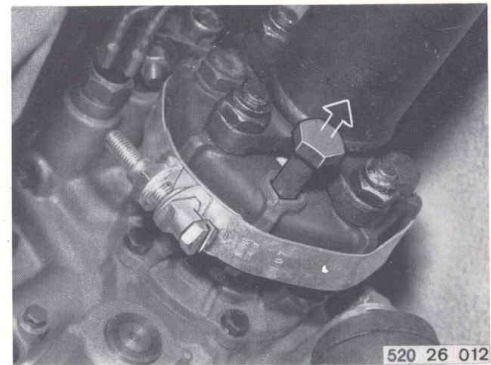
When installing: do not re-use stop nuts.



Tighten clamp strap 26 1 012 until the bolts can be removed by hand.

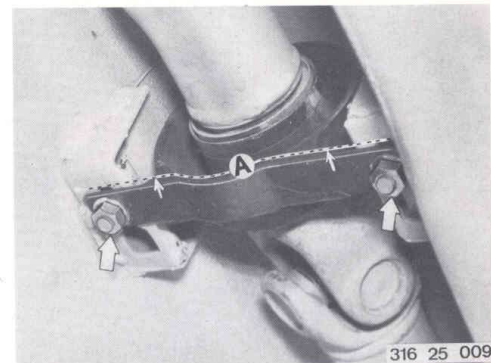
When installing: to prevent distortion in the 'Giubo' coupling, always tighten the nuts, never the bolts.

Warning: remove the clamp strap after the nuts have been tightened.



Detach the center bearing.

When installing: preload the center bearing towards the front of the car by app. 2 mm (0.08 in) (A).

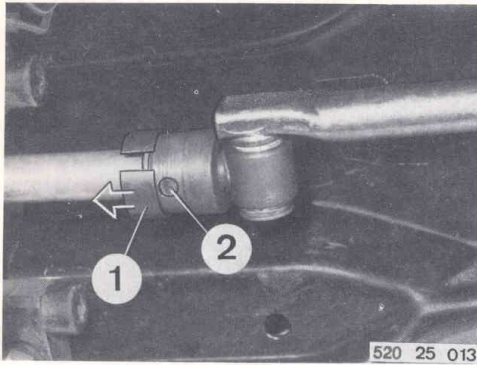


Hinge the propeller shaft down and pull it out of the centering journal on the transmission.

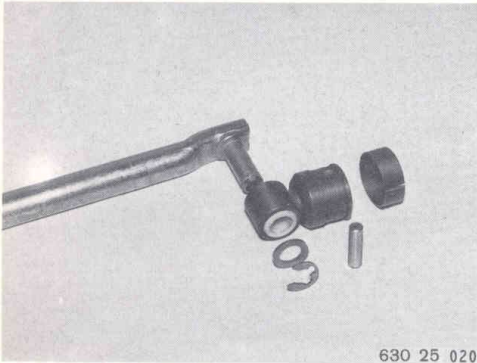
When installing: check centering assembly and grease if necessary with 'Longterm 2'. Renew centering assembly if damaged.



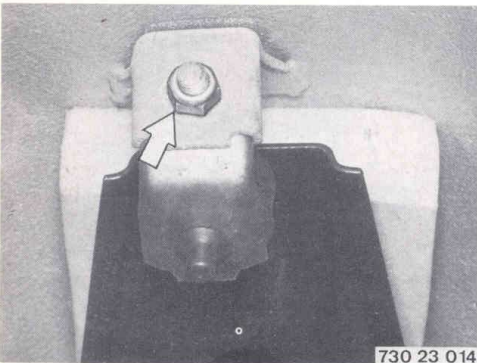
¹⁾ See specifications



Push back sleeve (1).
Drive out locking pin (2).

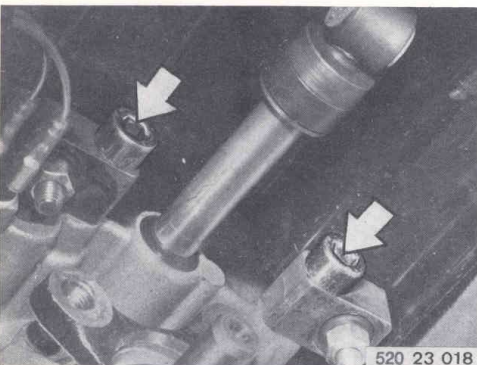


Detach the selector rod.
Check condition of pivot and bearing bushings,
and renew if necessary.



**25 11 200 Bracket for gear lever mount –
removing and installing**

Remove gear lever – 25 11 000.
Detach retaining bracket.



Detach bracket from gearbox and remove from
vehicle.

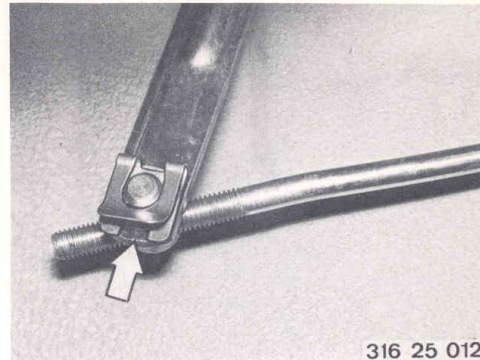
*When installing: check rubber mounting for
wear and renew if necessary.*

25 16 050 Selector lever with pivot mount – removing and installing

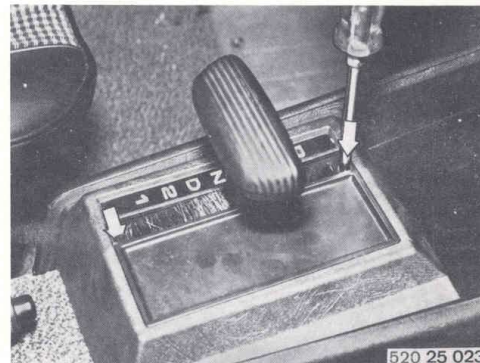
Remove the keeper.

Detach the selector rod.

When installing: **Adjust selector rod – 24 00 004.**



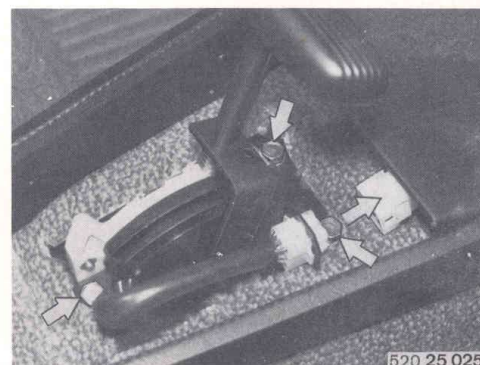
Unscrew and remove the screws holding the sealing brush and cover, and remove the cover with sealing brush.

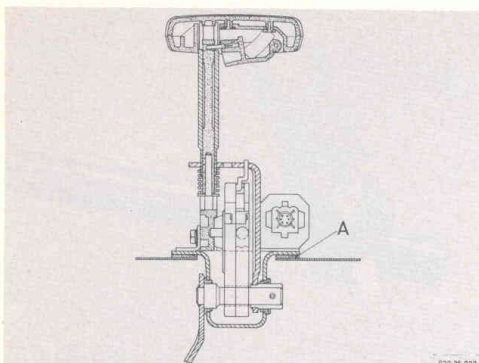


Remove the selector lever screen panel.



**Detach the transmission switch plug.
Remove the bolts holding the pivot mount and take out the pivot mount.**



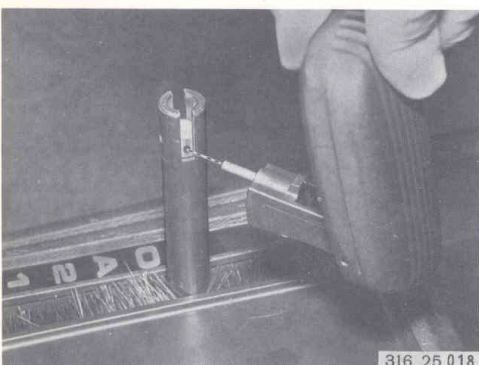


When installing: Note sealing plate (A).

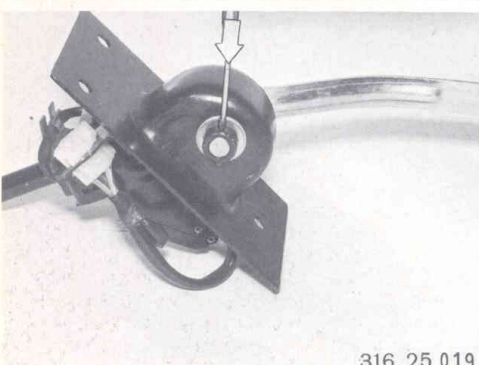


25 26 061 Selector lever handle – renewing

Set the selector lever to 'R'.
Remove the grub screw.
Take off the handle.



When installing: Insert the release catch peg in the hole on the pull rod.



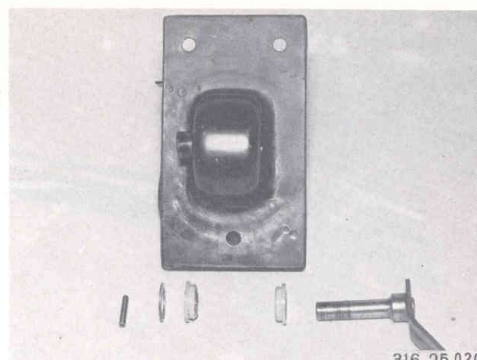
25 16 075 Pull rod in selector lever – renewing

25 16 080 Selector lever – renewing

Remove selector lever with pivot mount – 25 16 050.
Remove selector lever handle – 25 16 061.
Drive out clamp pin.

Pull out the lower section of the selector lever and take off the washer and pivot bushing.

When installing: Grease pivot bushings with Longterm 2.

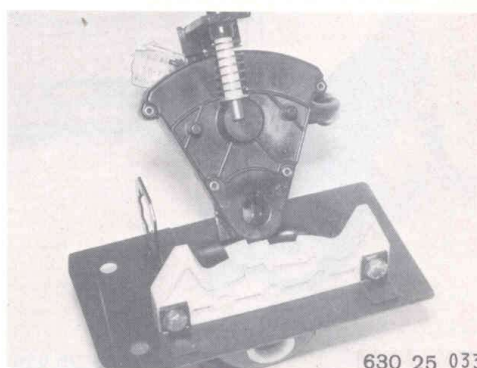


Pull the lead out of the upper section of the selector lever and detach the plug at the pivot mount.



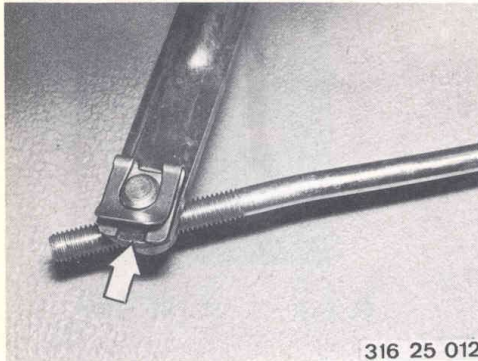
Remove the screw holding the transmission switch and extract the switch complete with the upper section of the selector lever from the pivot mount.

When installing: Note correct position of transmission switch actuating arm.



Remove the selector rod with spring from the upper section of the selector lever.





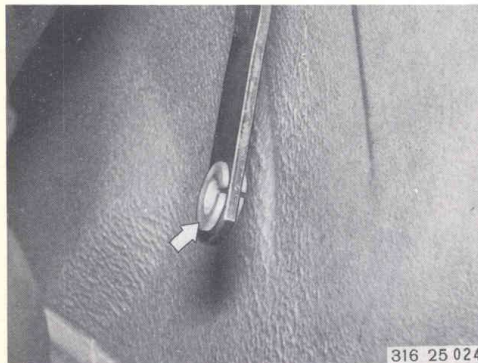
25 16 211 Selector rod pivot bushing – renewing

Remove the keeper.

Disconnect the selector rod.

When installing: **Adjust selector rod – 24 00 004.**

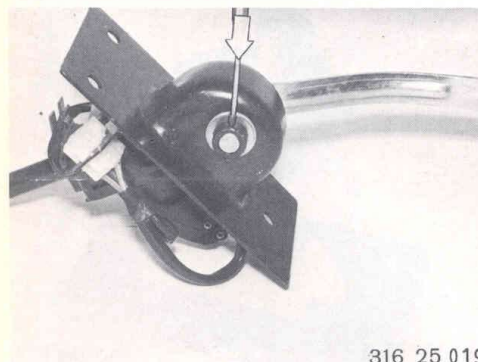
316 25 012



Extract pivot bushing from lower section of selector lever.

When installing: **Grease the bushing with Longterm 2.**

316 25 024

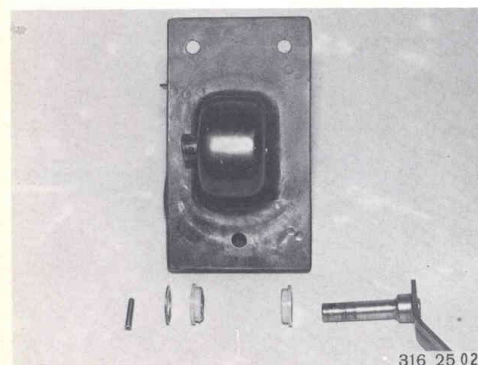


25 16 551 Selector lever pivot bushings – renewing

– Selector lever with pivot mount removed –

Drive out the clamp pin.

316 25 019



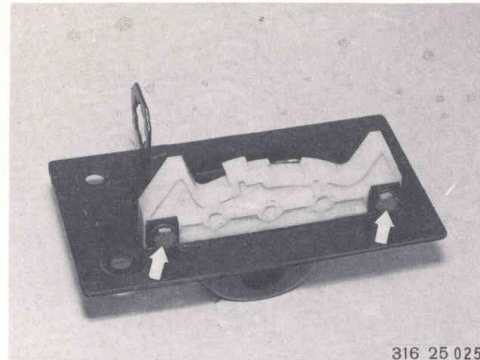
Pull out the lower section of the selector lever and remove the washer and pivot bushings.

When installing: **Grease pivot bushings with Longterm 2.**

316 25 020

**25 16 581 Selector lever gate – renewing
– Selector lever with pivot mount
removed –**

Remove selector lever upper and lower sections – 25 16 080.
Remove bolts holding selector gate and detach gate from pivot mount.



316 25 025