

At the first maintenance job

Type 115.1  
Transmission K 4 C 025  
and W 4 B 025

### Control pressure linkage

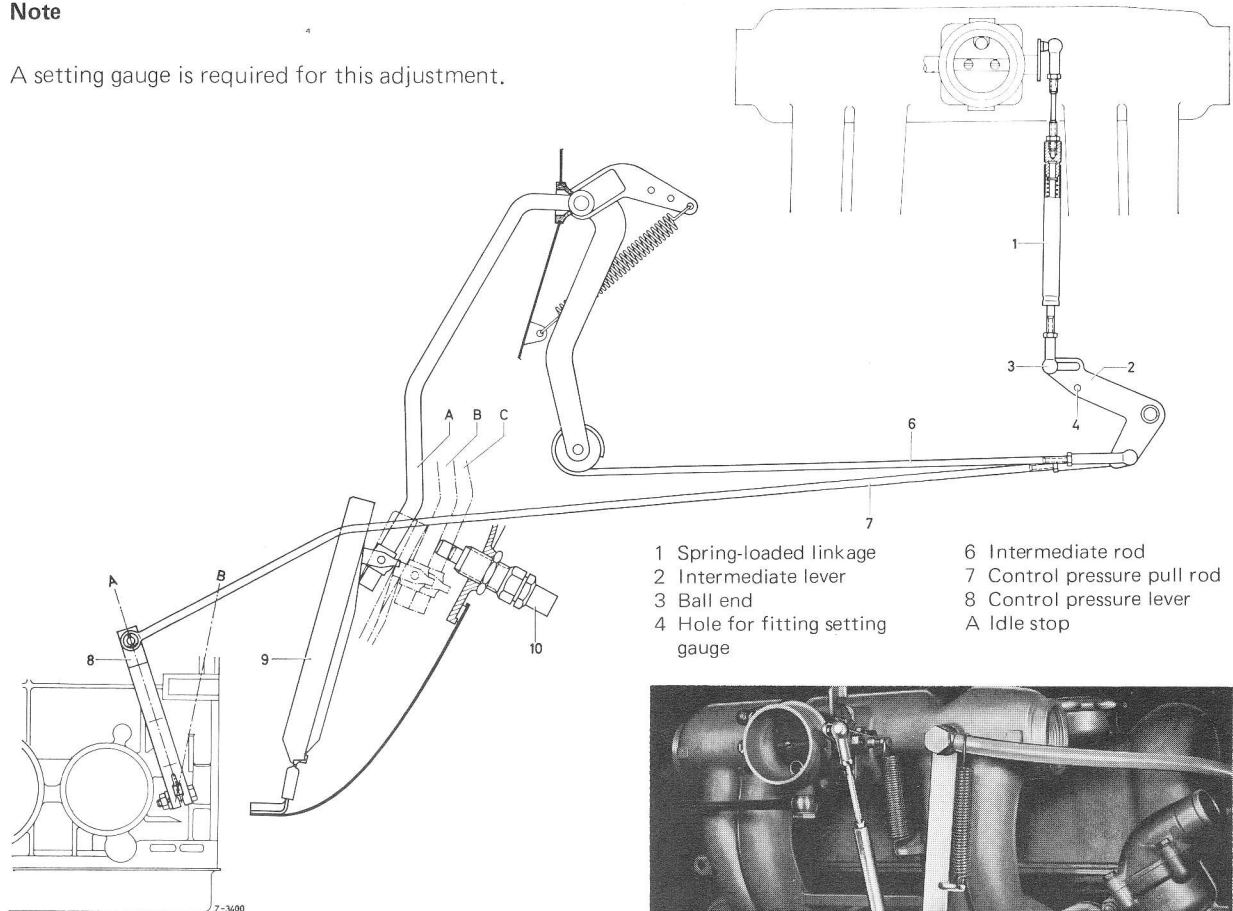
## Special tool

### Setting gauge

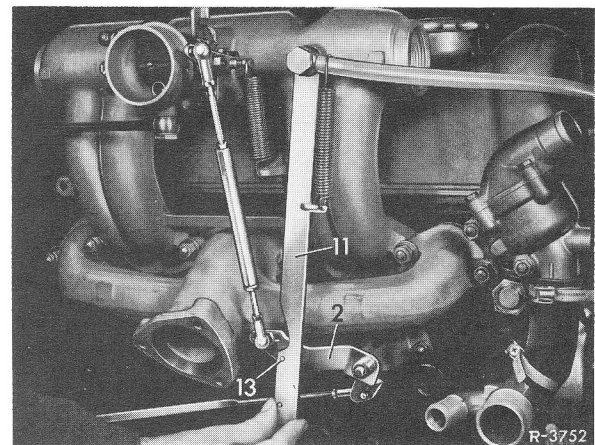
115 589 30 23 00

### Note

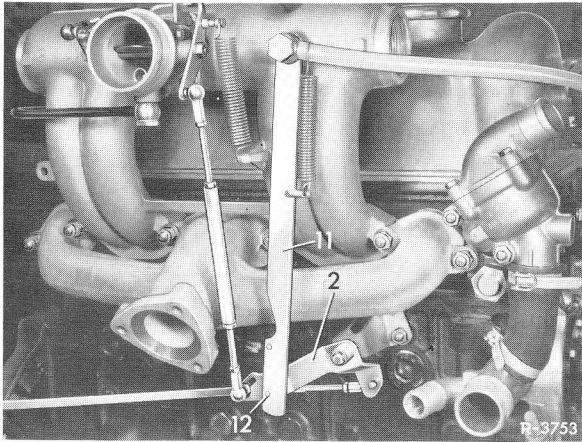
A setting gauge is required for this adjustment.



- Disconnect spring-loaded linkage (1) to the throttle, pull rod (7) to the control pressure lever (8) and rod (6) to the accelerator shaft.
  - Turn knob for idle speed adjustment fully to the right and adjust idle speed of the engine at the idle stop screw on the venturi control unit (engine warm).
  - Fit the setting gauge (11) and attach the idle setting rest (13) in hole (4) in the intermediate lever (2).
  - Adjust spring-loaded linkage (1) for tension-free fitting to the throttle.
- The spring-loaded linkage must be fully compressed and the throttle valve be in contact with the idle stop.



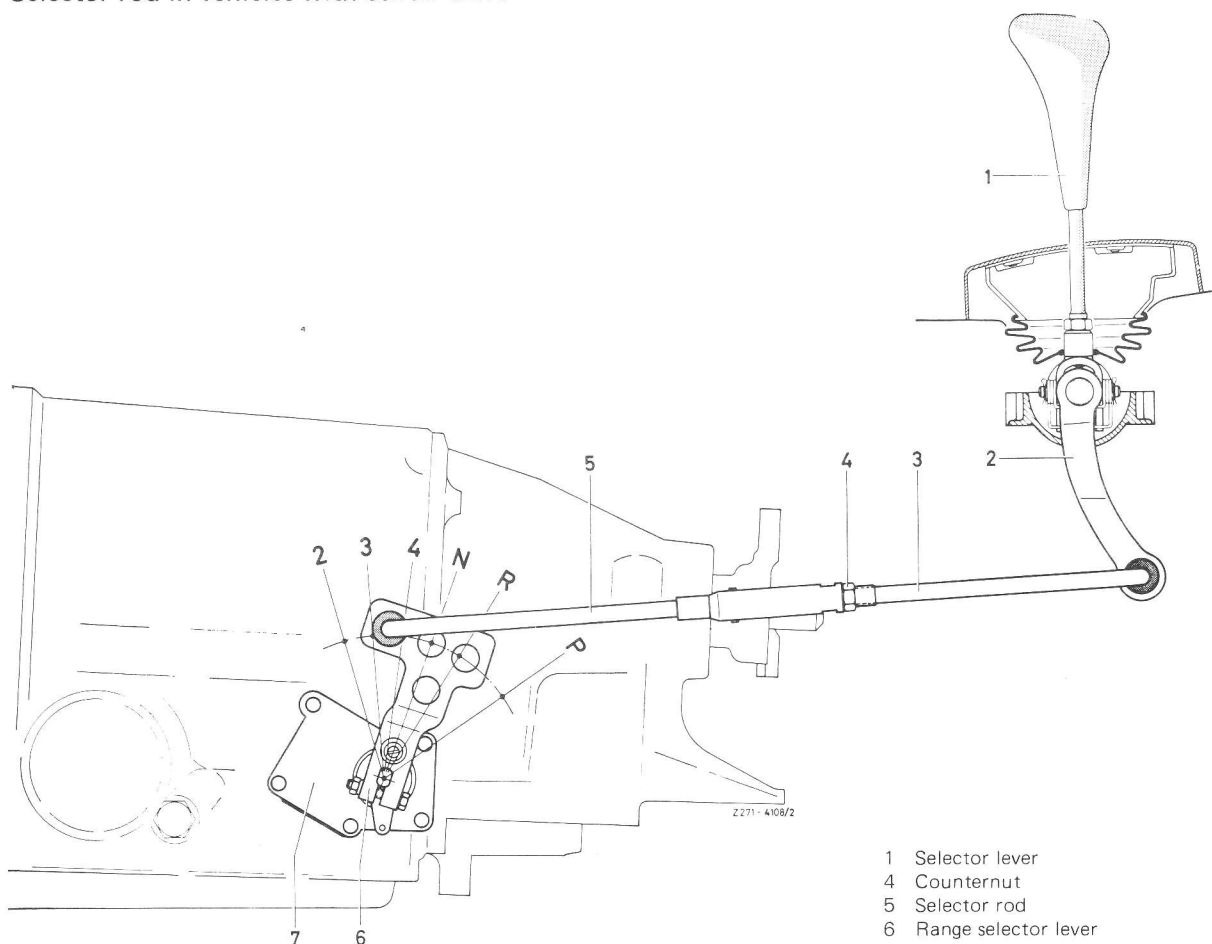
- 2 Intermediate lever  
11 Setting gauge
- 13 Idle setting rest
- Adjust pull rod (7) to the control pressure lever for tension-free fitting, whilst pressing control pressure lever (8) onto the idle stop (A). Attach both linkages (1 and 7).



12 Full load rest

- Attach setting gauge (11) with the full load rest (12) in the hole (4) in the intermediate lever (2).
- Loosen screw from ball end (3) of the spring-loaded linkage (1) on the intermediate lever (2) and push ball end along the slot until the throttle valve is fully open. Tighten screw of ball end.
- Remove setting gauge and attach rod (6). Accelerate to full load. If the throttle valve does not move to fully open position, then further adjustment on the accelerator shaft is required.

Selector rod in vehicles with center shift

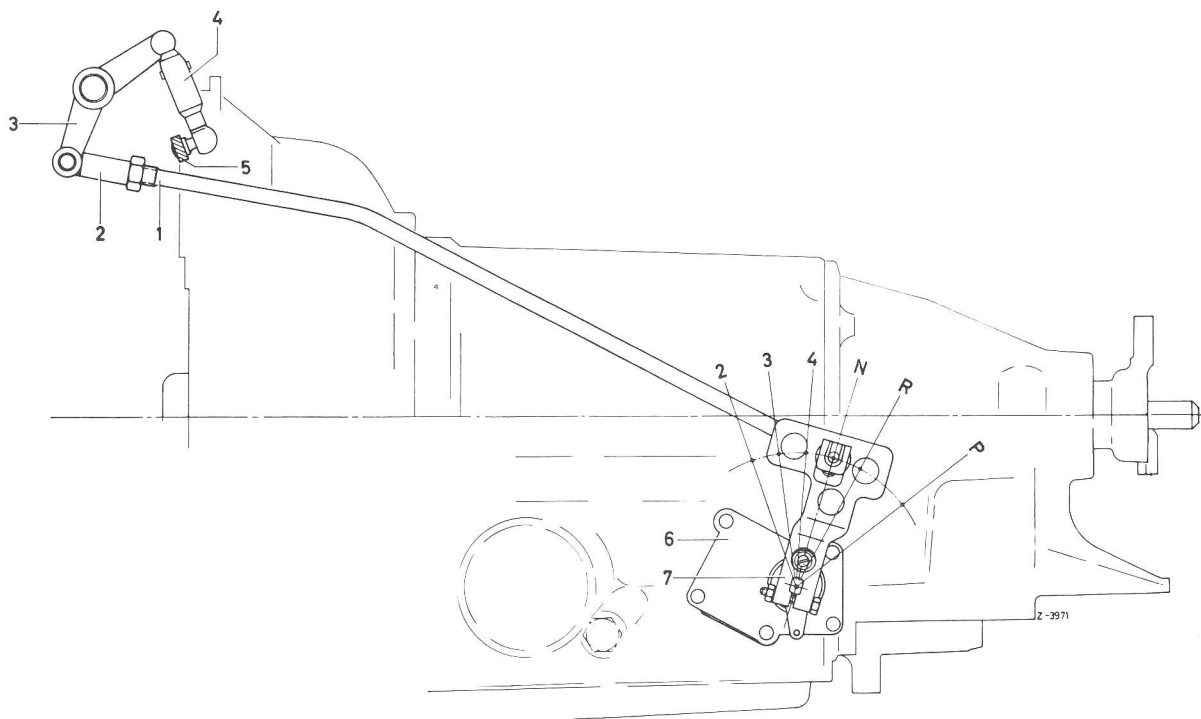


**Note**

Vehicle must be standing on its wheels.

- Disconnect selector rod (5) from range selector lever (6).
- Set range selector lever (6) and selector lever (1) to position "N", ensuring that there is approx. 1 mm clearance between the selector lever (1) and the "N" stop of the selector gate.
- Adjust length of selector rod (5) so that it can be attached free of tension, then retighten counternut (4).

## Selector rod in vehicles with steering column shift

**Note**

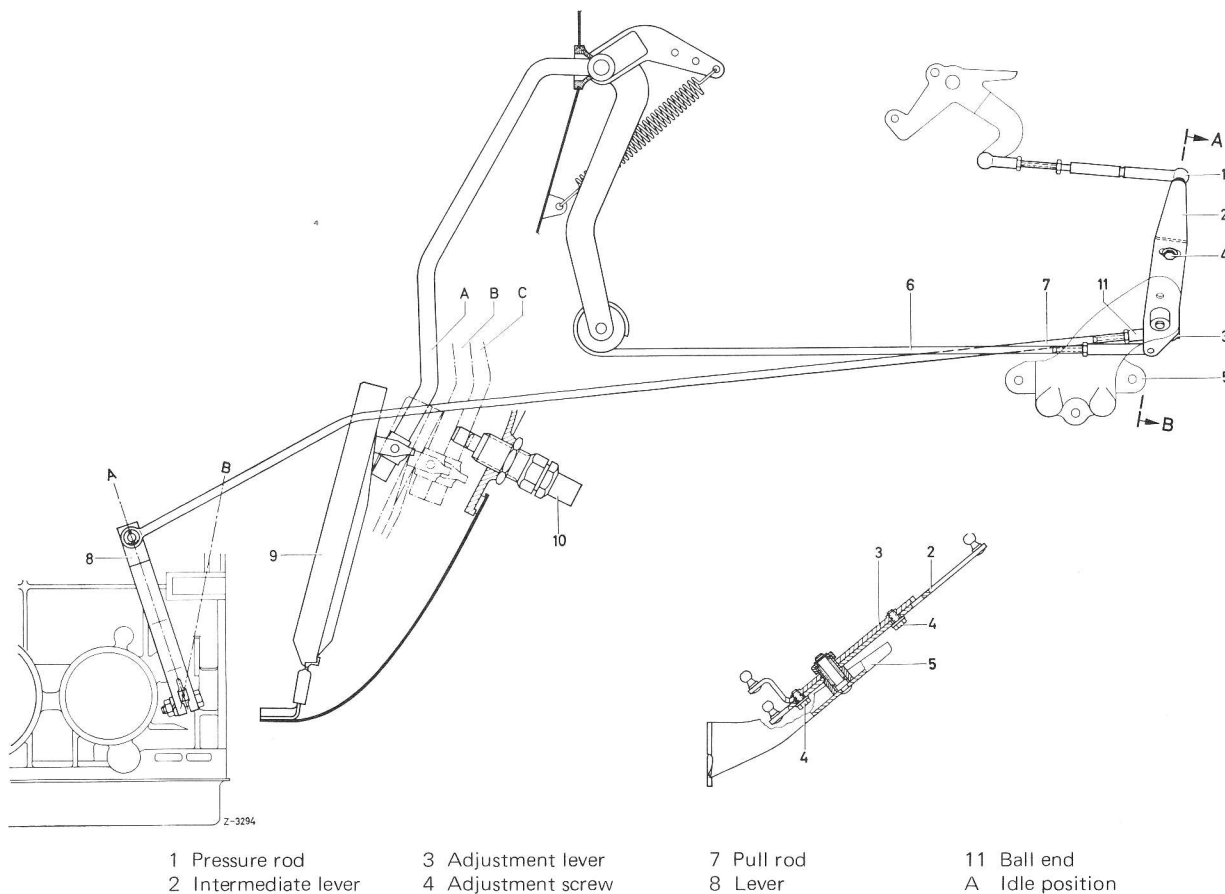
Vehicle must be standing on its wheels.

- Loosen counternut on the ball socket (2).
- Disconnect selector rod (1) from shift lever bracket.
- Set range selector lever (7) on the transmission and selector lever on the steering column to position "N".
- Adjust length of selector rod until the ball socket lines up with the ball end on the intermediate lever (3).
- Attach ball socket to the intermediate lever, ensuring that the play of the selector lever in position 3 and 4 is equal.
- Tighten counternut on the ball socket.

At the first maintenance job

Type 108.016  
114.01 / 02  
Transmission K 4 C 025  
and W 4 B 025

## Control pressure linkage



## Note

Checking and adjustment are carried out in the idle position with the pressure rod (1) extended.

- Disconnect pull rod (7) from the ball end (11) and set control pressure lever (8) to idle position (position A).
- Adjust length of pull rod until it can be pressed onto the ball end free of tension.
- Replace and adjust vacuum control.

- Disconnect connecting rod to rear carburetor, set front carburetor to idle position.
- Disconnect pull rod (7) from ball end (11) and set control pressure lever (8) to idle position (position A).
- Loosen both attachment screws (4) and turn adjustment lever (3) in relation to the intermediate lever (2) until the ball end can be pressed onto the ball socket free of tension.

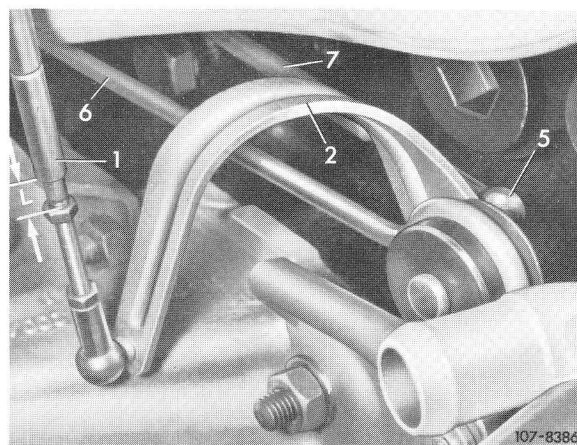
1 Selector lever  
 4 Counternut  
 5 Selector rod  
 6 Range selector lever

- Adjust length of selector rod (5) so that it can be attached free of tension, then retighten counternut (4).

During first maintenance job

Type 115.0  
Transmission Type K 4 C 025  
and W 4 B 025

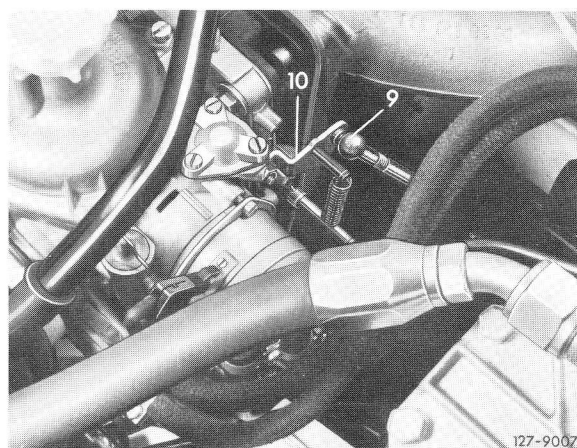
- Unscrew vacuum regulator on carburetor.
- Disconnect starting device so that throttle valve rests against idling stop.
- Disconnect control pressure rod (7).
- Idle travel "L" on push rod (1) should be fully extended (Fig. 4) which is attained, if required, by adjusting return lever of regulating shaft on splash wall.
- Push control pressure rod (7) completely toward the rear against idling stop and adjust ball head (5) lengthwise in such a manner that push rod can be attached free of tension (Fig. 4).
- Tighten counternut on ball head (5).
- Screw vacuum regulator back again.



1 Push rod  
2 Intermediate lever  
5 Ball socket  
6 Intermediate rod  
7 Control pressure rod

## Note

On vehicles with four-point alternator mounting bracket and air-conditioning system the ball socket (5) (ill. on top) is poorly accessible; in such a case, adjustments are made on ball socket (9) (ill. at bottom). Subsequently, check whether at full throttle of accelerator pedal the throttle valve rests against full load stop. If required, adjust return lever of regulating shaft on splash wall.

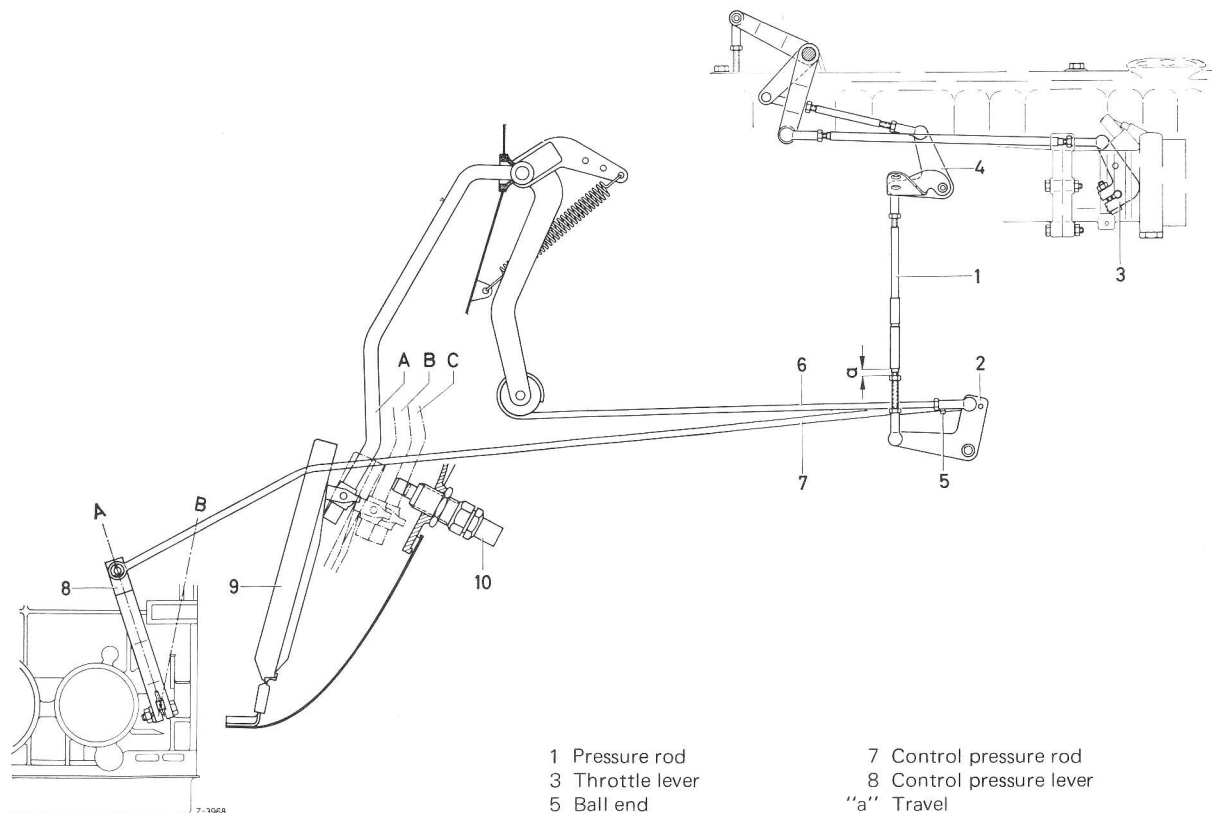


9 Ball socket  
10 Throttle valve lever

Type 108.018 / 019 109.016  
111.024 / 025 114.022  
Transmission K 4 C 025

At the first maintenance job

### Control pressure linkage



- Disconnect control pressure linkage (7) on the ball end (5) and press control pressure lever (8) to the idle stop.

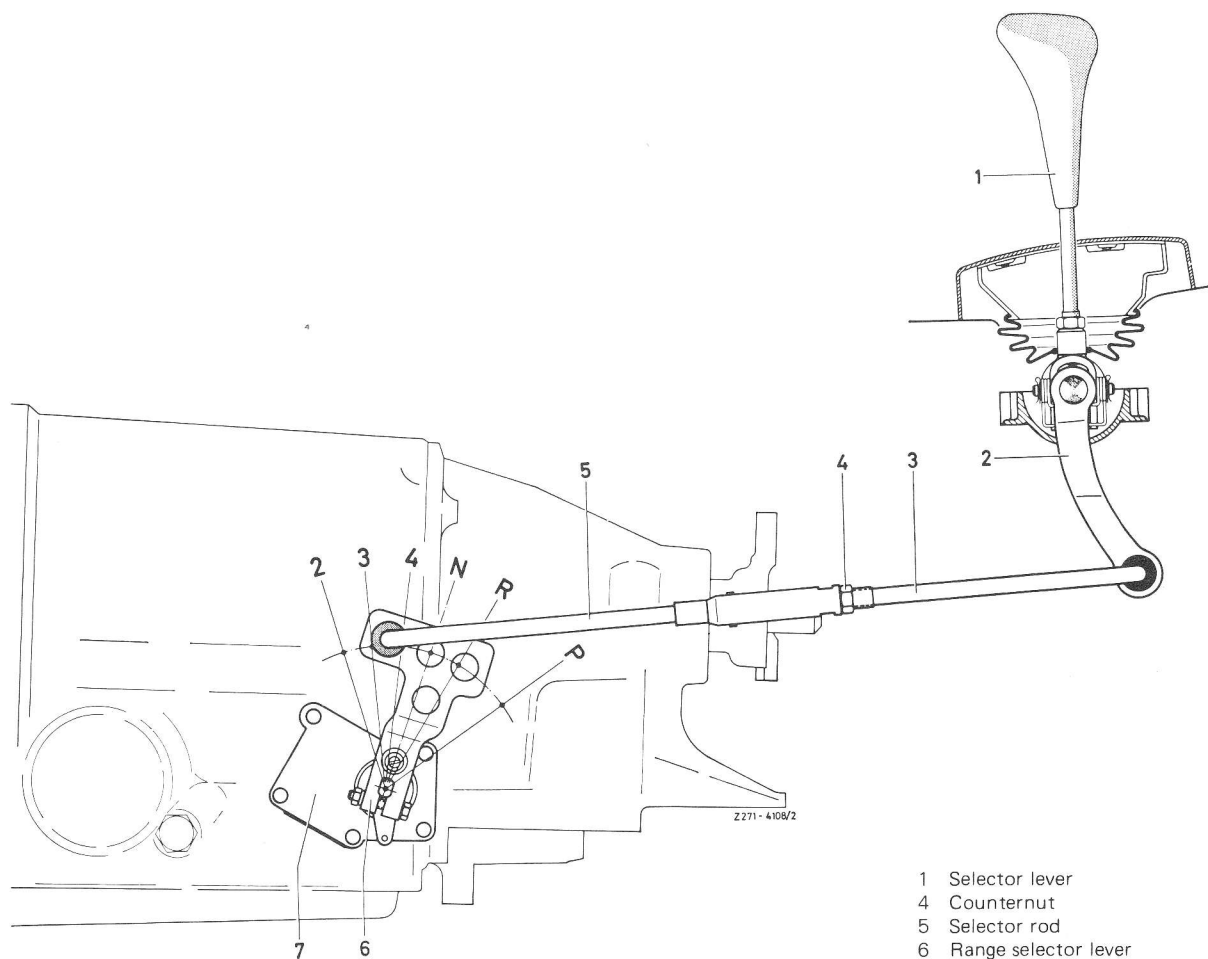
- The throttle lever (3) must be in contact with the idle stop, draw out pressure rod (1) to add travel (a).

- Press control pressure lever (8) on the transmission back to the stop.

- Adjust length of control pressure rod until it can be pressed onto the ball end (5) free of tension.



### Selector rod in vehicles with center shift



### Note

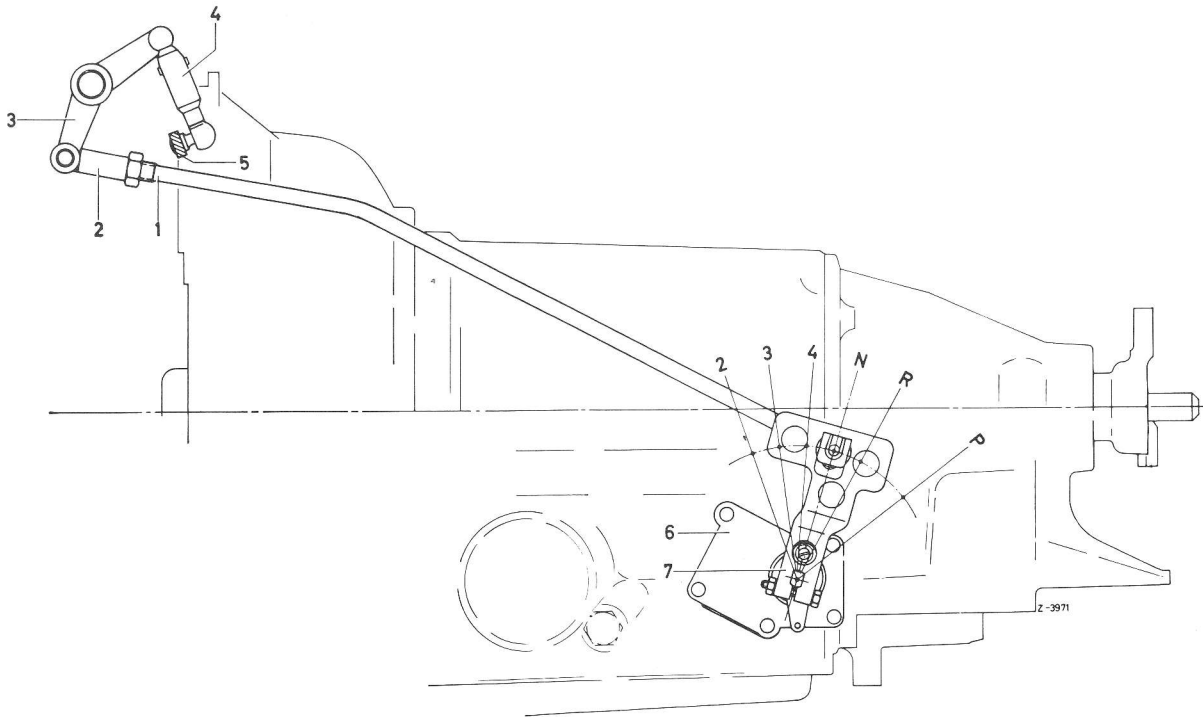
Vehicle must be standing on its wheels.

- Disconnect selector rod (5) from range selector lever (6).
- Set range selector lever (6) and selector lever (1) to position "N", ensuring that there is approx. 1 mm

clearance between the selector lever (1) and the "N" stop of the selector gate.

- Adjust length of selector rod (5) so that it can be attached free of tension, then retighten counternut (4).

## Selector rod in vehicles with steering column shift

**Note**

Vehicle must be standing on its wheels.

- Loosen counternut on the ball socket (2).
- Disconnect selector rod (1) from shift lever bracket.
- Set range selector lever (7) on the transmission and selector lever on the steering column to position "N".
- Adjust length of selector rod until the ball socket lines up with the ball end on the intermediate lever (3).
- Attach ball socket to the intermediate lever, ensuring that the play of the selector lever in position 3 and 4 is equal.
- Tighten counternut on the ball socket.

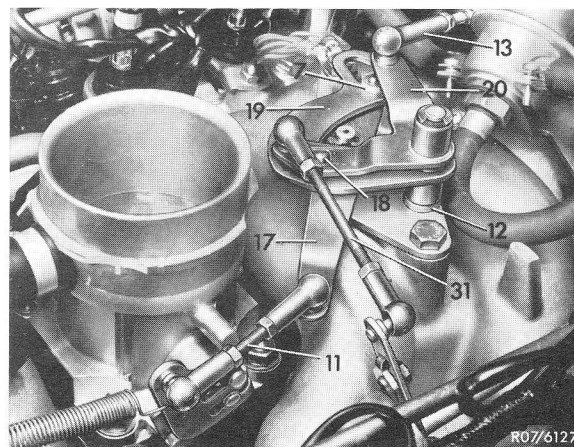
At the first maintenance job

Type 107, 108.05/06, 109.05,  
111.026/027, 116.028/032/033  
Transmission K 4 A 040, W 3 A 040  
and W 3 B 050

## Control pressure linkage

- Remove air filter and disconnect pressure control rod (13).
- The throttle lever must be in contact with the idle stop.
- Press regulating lever (17) and angle lever (20) to idle position.
- Press control pressure lever (13) fully back to the stop and check for tension-free length to the ball end and adjust.

**Note:** When checking the length of the control pressure rod, the ball socket must be held at the side of, and **not** above, the ball end because of annular movement of the rod.



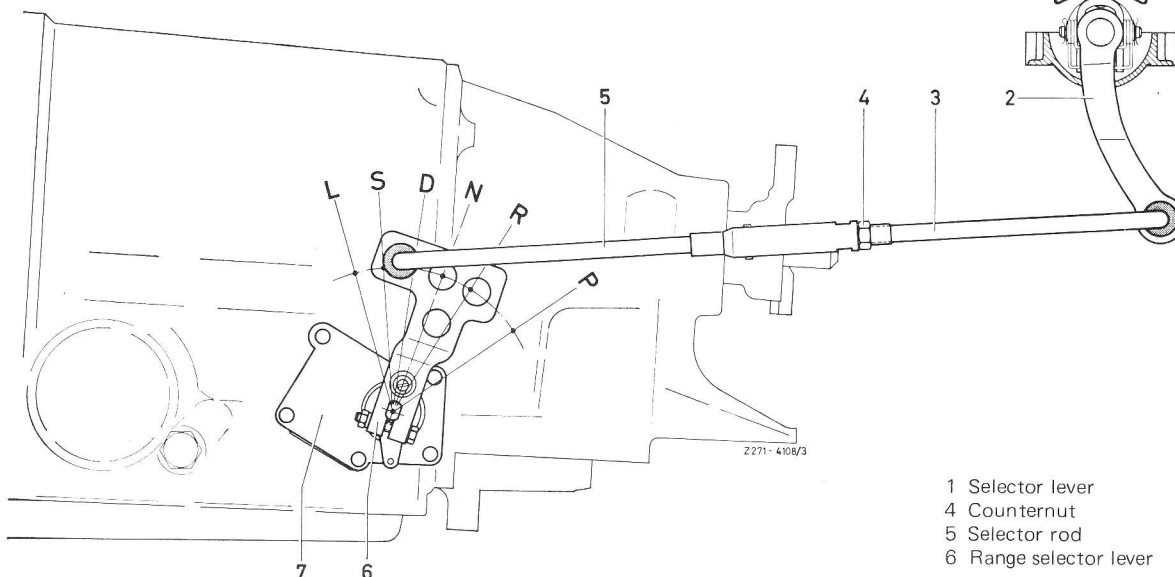
- |                         |                       |
|-------------------------|-----------------------|
| 7 Roller                | 18 Stop pin           |
| 11 Connecting linkage   | 19 Gate lever         |
| 12 Bearing bracket      | 20 Angle lever        |
| 13 Control pressure rod | 31 Connecting linkage |
| 17 Regulating lever     |                       |

## Selector rod in vehicles with center shift

### Note

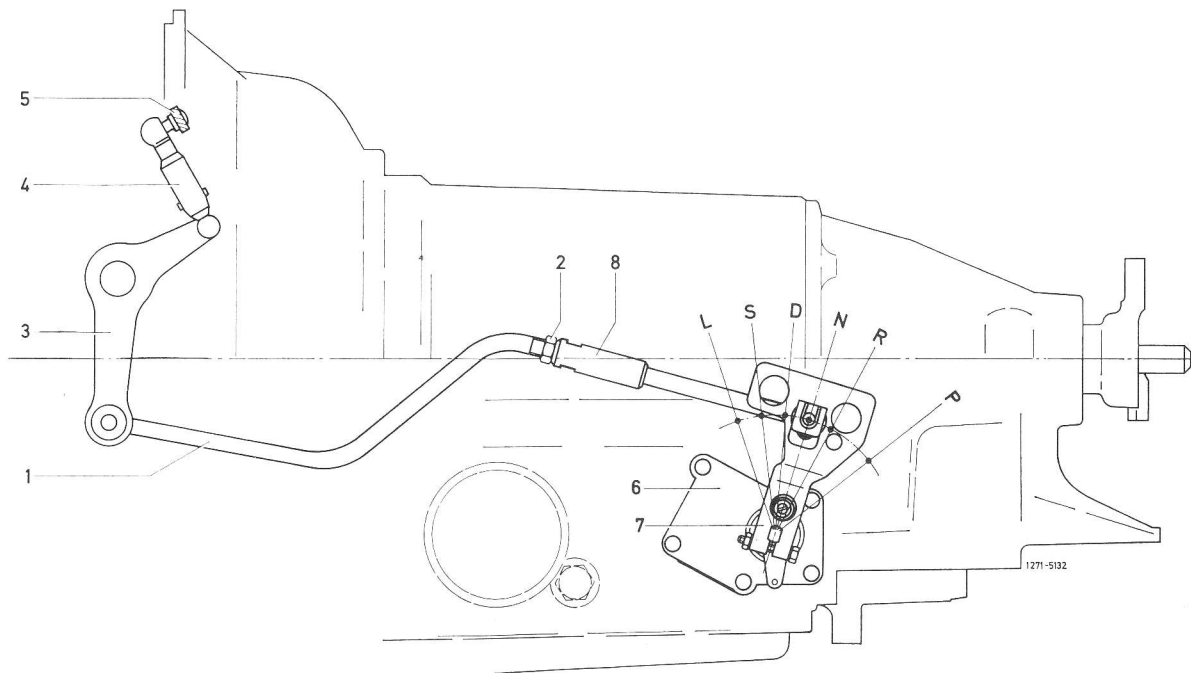
Vehicle must be standing on its wheels.

- Disconnect selector rod (5) from range selector lever (6).
- Set range selector lever (6) and selector lever (1) to position "N", ensuring that there is approx. 1 mm clearance between the selector lever (1) and the "N" stop of the selector gate.
- Adjust length of selector rod (5) so that it can be attached free of tension, then retighten counter nut (4).



- |                        |
|------------------------|
| 1 Selector lever       |
| 4 Counternut           |
| 5 Selector rod         |
| 6 Range selector lever |

## Selector rod in vehicles with steering column shift



- |                              |                                       |
|------------------------------|---------------------------------------|
| 1 Selector rod               | 5 Bearing bracket                     |
| 2 Counternut                 | 6 Starterlock and backup light switch |
| 3 Intermediate lever         | 7 Range selector lever                |
| 4 Elastic intermediate piece | 8 Selector rod lower half             |

**Note**

Vehicle must be standing on its wheels.

- Loosen counternut on the ball socket (2).
- Disconnect selector rod (1) from shift lever bracket.
- Set range selector lever (7) on the transmission and selector lever on the steering column to position "N".
- Adjust length of selector rod until the ball socket lines up with the ball end on the intermediate lever (3).
- Attach ball socket (2) to the intermediate lever, ensuring that the play of the selector lever in position 3 and 4 is equal.
- Tighten counternut on the ball socket (2).

At the first maintenance job

Type 114.06  
114.07  
116.020  
116.024

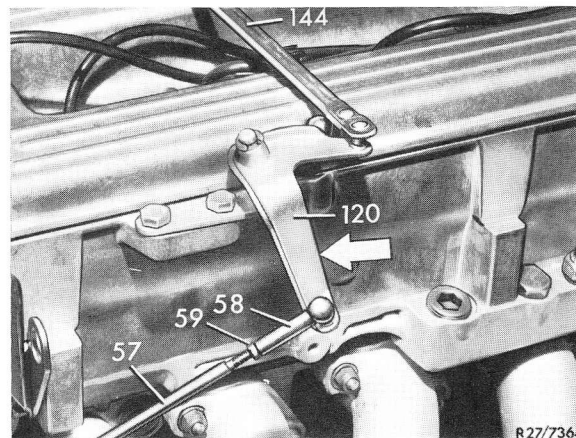
## Control pressure linkage

Transmission Type K 4 C 025 reinforced and W 4 B 025

### Note:

For making adjustments, vehicle should rest on its wheels. Prior to adjusting control pressure rod, the connecting linkage from gate lever to carburetor or venturi control unit should be correctly adjusted.

- Disconnect control pressure rod (57).
- Push bell crank lever (12) toward the rear (in direction of arrow).
- Push control pressure rod also toward the rear against stop.
- Adjust length by means of ball socket (58) in such a manner that the control pressure rod can be connected free of tension.
- Tighten counternut (59) on the ball socket.



57 Control pressure rod  
58 Ball socket  
59 Counternut

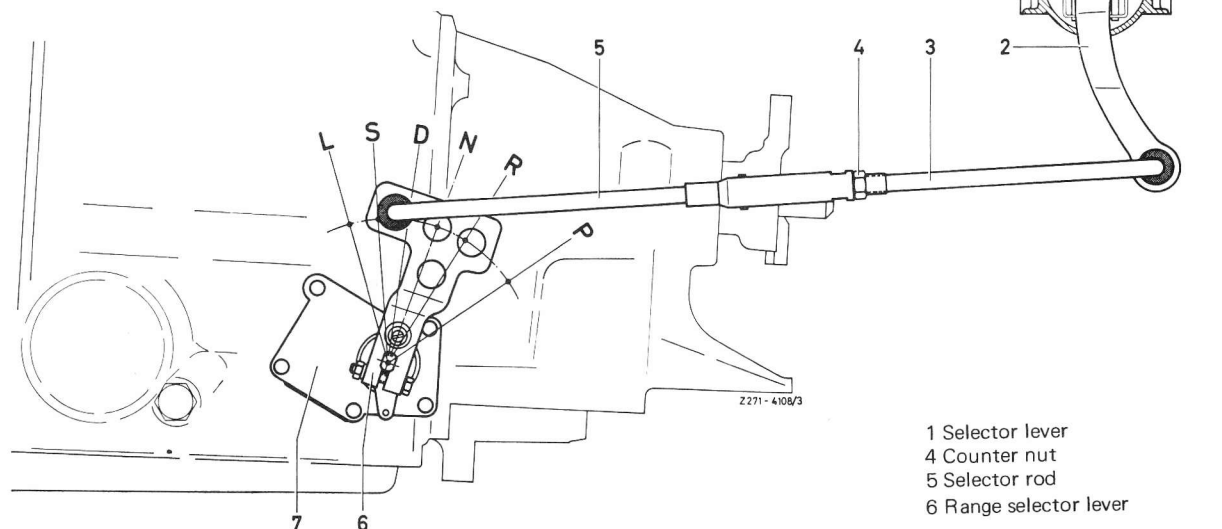
120 Bell crank lever  
144 Connecting rod

## Selector rod of floor shift

### Note

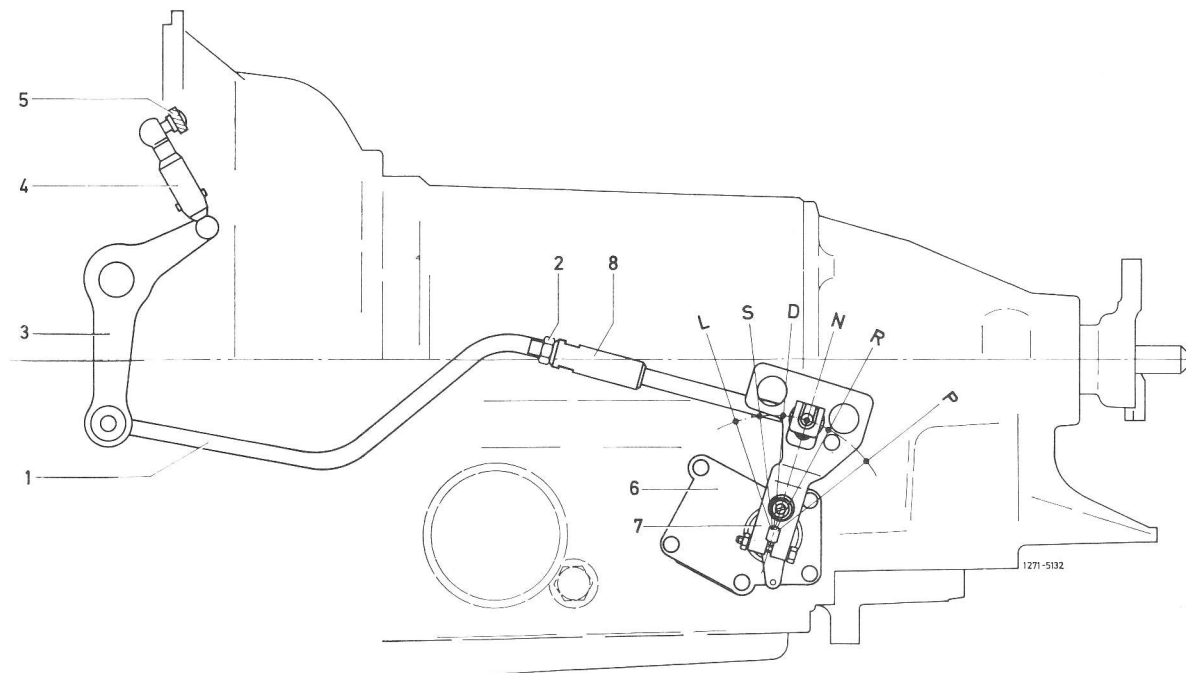
Vehicle must be standing on its wheels.

- Disconnect selector rod (5) on range selector lever (6).
- Set range selector lever (6) and selector lever (1) to "N" making sure that approx. 1 mm clearance is available between the selector lever (1) and the "N" stop on gate plate.
- Adjust length of selector rod (5) to permit attachment free of tensions. Then tighten counter nut (4) again.



1 Selector lever  
4 Counter nut  
5 Selector rod  
6 Range selector lever

## Selector rod in vehicles with steering column shift



- |                              |                                       |
|------------------------------|---------------------------------------|
| 1 Selector rod               | 5 Bearing bracket                     |
| 2 Counter nut                | 6 Starterlock and backup light switch |
| 3 Intermediate lever         | 7 Range selector lever                |
| 4 Elastic intermediate piece | 8 Selector rod lower half             |

**Note**

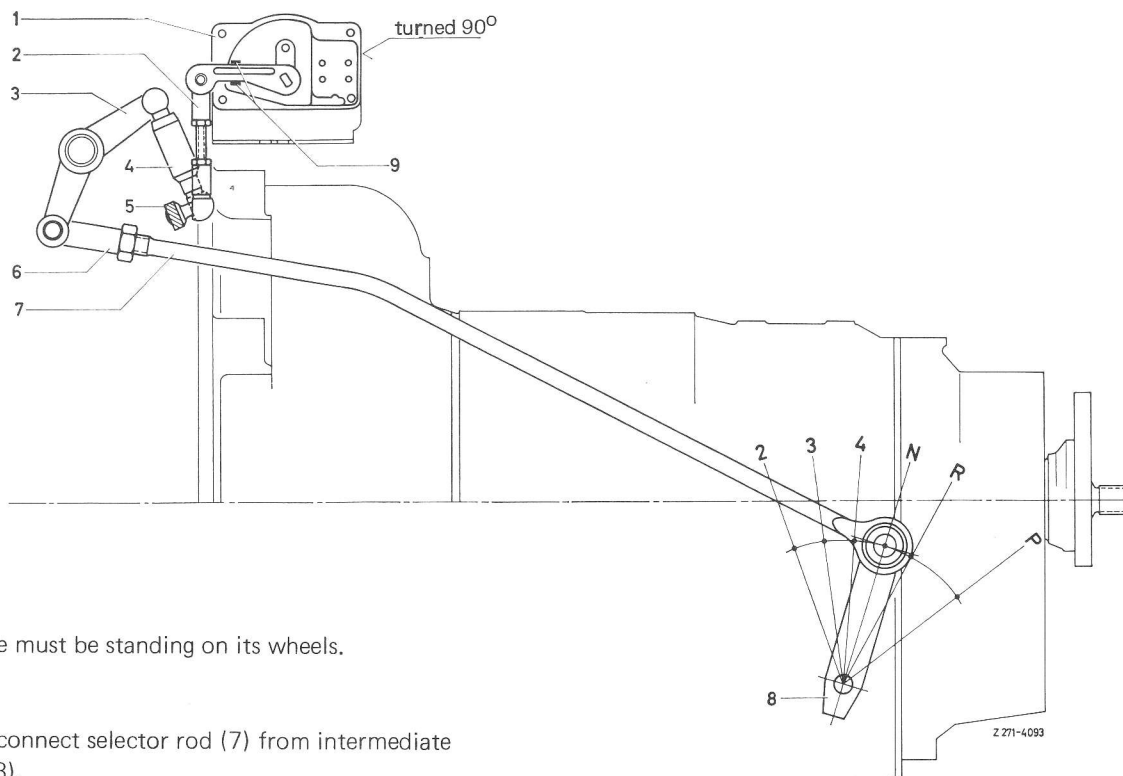
Vehicle must be standing on its wheels.

- Loosen counter nut on ball socket (2).
- Disconnect selector rod (1) on shift bracket.
- Set range selector lever (7) on transmission and selector lever on steering wheel to position "N".
- Set length of selector rod in such a manner that ball socket is in alignment with ball head on intermediate lever (3).
- Connect ball socket (2) to intermediate lever, making sure that the clearance of the selector lever is the same in position 3 and 4.
- Tighten counter nut on ball socket (2).

At the first maintenance job

Type 100  
Transmission K 4 B 050

## Selector rod in vehicles with steering column shift

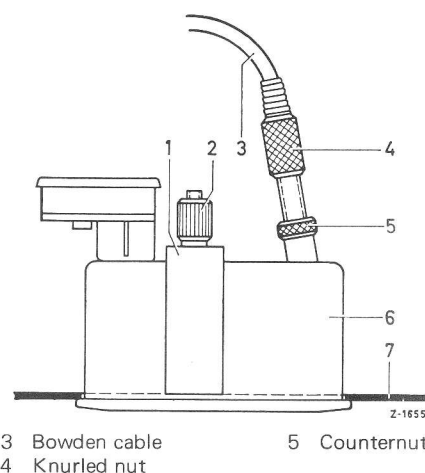


### Note

Vehicle must be standing on its wheels.

- Disconnect selector rod (7) from intermediate lever (3).
- Loosen counternut on the ball socket (6).
- Set range selector lever (8) on the transmission and the selector lever on the steering column to position "N".
- Adjust length of selector rod until the ball socket lines up with the ball end on the intermediate lever (3).
- Attach selector rod to the intermediate lever and tighten counternut.
- Set selector indicator to position "N".
- Adjust the knurled nut (4) after loosening the counternut (5) on the Bowden cable (3).

- |                      |                        |
|----------------------|------------------------|
| 3 Intermediate lever | 7 Selector rod         |
| 6 Ball socket        | 8 Range selector lever |

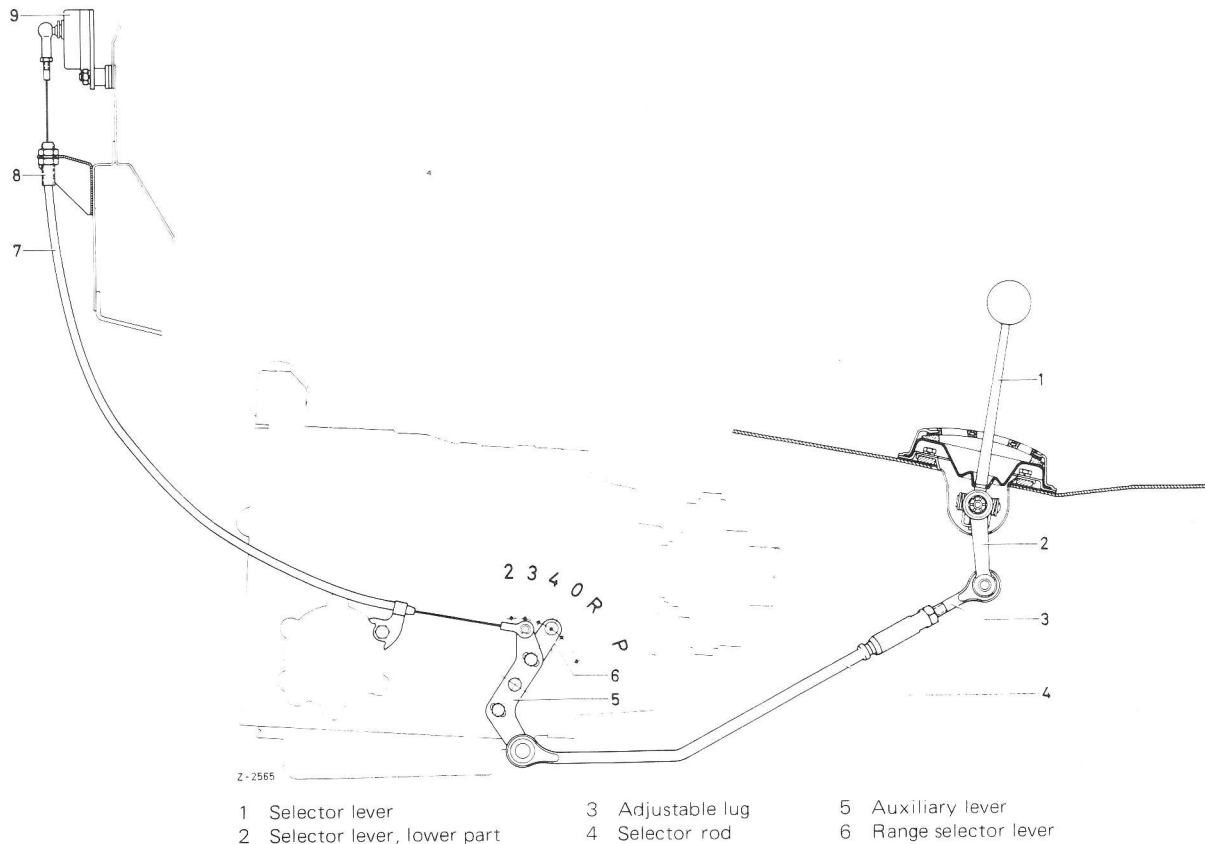


- |                |              |
|----------------|--------------|
| 3 Bowden cable | 5 Counternut |
| 4 Knurled nut  |              |

Type 109.018  
Transmission K 4 B 050

At the first maintenance job

### Selector rod in vehicles with center shift



### Note

Vehicle must be standing on its wheels.

- Disconnect selector rod (4) from the lower part of the selector lever (2).
- Set range selector lever (6) and selector lever (1) to position "N".
- Adjust the adjustable lug (3) or the selector rod (4) so that it lines up with the pivot pin of the selector lever lower part (2).
- Fine adjustment can be carried out at the two slots in the auxiliary lever (5).
- Press selector rod onto lower part of selector lever and tighten counternut.