

Adjust parking brake

Revision: Adjustment data chart added.

All models except model 100

Adjustment Data

Model	108 109 111	113	107	114 115 and 1st version	116.03 123 and 2nd version
Total ratio (i) of parking brake to expanding lock outlet	33.5	25.5	22	26.1	35.6
Number of notches in the toothed segment or on the pawl rod	16	6			12
Number of notches which are required for locking the brake at medium power application	5-6	3-4	2-3		4-6
Medium power application (N)	400	250	400		300
Number of notches till the parking brake starts to be effective	2-4	1-2			

Note

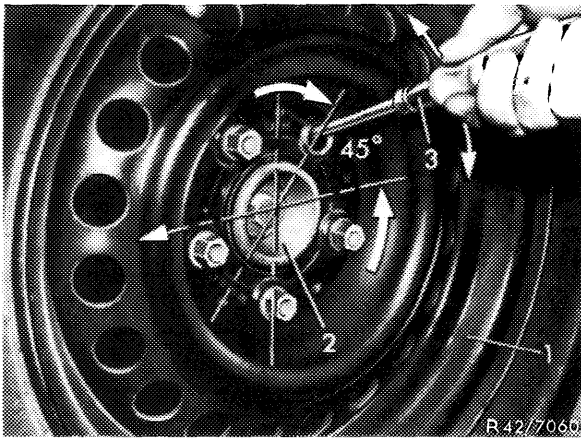
The parking brake needs to be adjusted if, in vehicles with **foot operated parking brake**, the foot pedal can be depressed **more than 2 or 4 notches** without any braking effect being evident.

In the case of vehicles with **pistol grip type handbrake** it should **not** be possible to pull the pawl rod **more than 4 notches** (of a total of 16).

In vehicles with **lever type hand brake** the parking brake needs to be adjusted if the lever can be pulled **more than 2 notches** (of a total of 6) without any braking effect being evident.

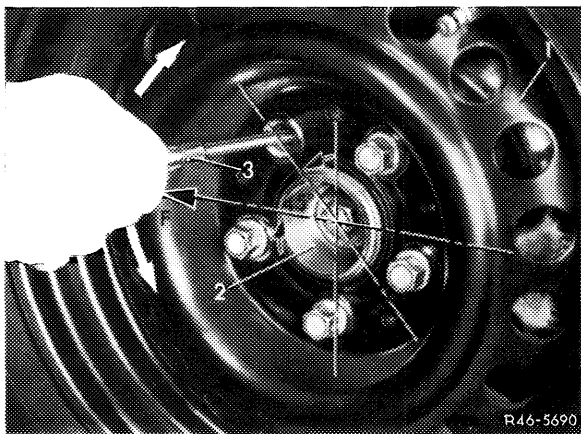
- Unscrew one spherical collar bolt from each wheel on the rear axle.
- Jack up car.



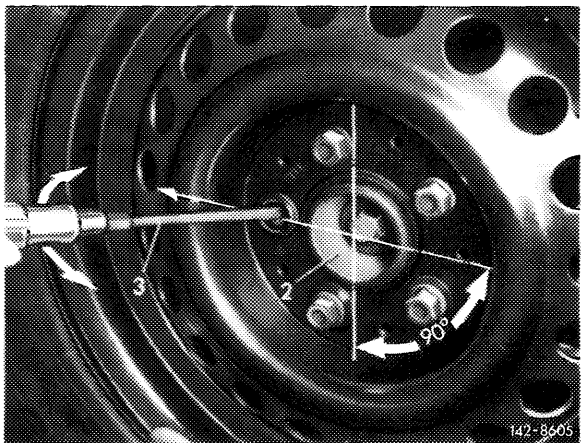


Models 108, 109, 111, 113

- In vehicles with **single-joint rear axle** rotate the wheels so that the bolt hole points about 45° **rearward** and **upwards**.

Models 107, 114, 115, 116, 123
with diagonal swing axle

- In vehicles with **diagonal swing axle** rotate the wheels so that the bolt hole points about 45° **forwards** and **upwards**.

Models 107, 116
with diagonal swing axle with starting torque compensation

- On vehicles with **diagonal swing axle with starting torque compensation** turn wheels in such a manner that the screw hole is facing **forward**.

- Apply screw driver through bore of disc wheel, of brake disc and rear axle shaft flange or rear axle shaft to turn the adjusting wheel of the adjusting device until the wheel can just barely no longer be turned. Then turn adjusting wheel back by 2–3 teeth, that is, until the wheel can be freely turned.

Attention! Adjusting direction of screw driver for setting brake shoes.

On vehicles with single-joint and diagonal swing axle:

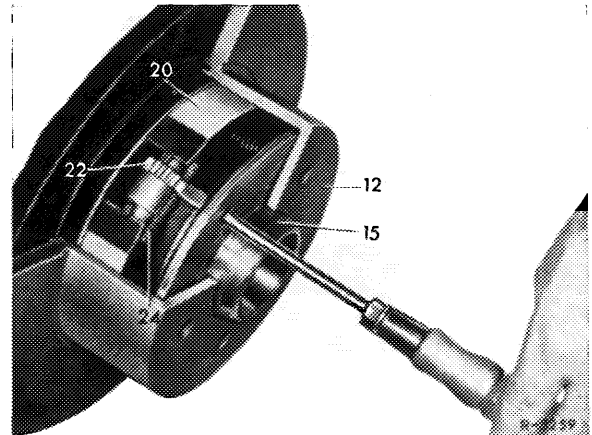
- At the left:** from below in upward direction
- At the right:** from the top in downward direction

On vehicles with diagonal swing axle with starting torque compensation:

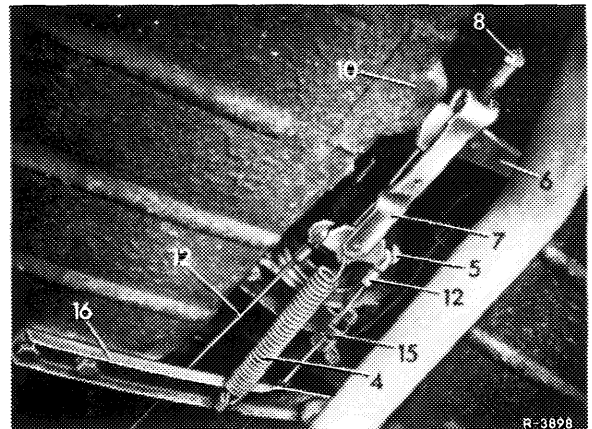
- At the left:** from the rear in forward direction
- At the right:** from the front in rearward direction

Note

Do not adjust adjusting screw on intermediate lever when adjusting parking brake, since it serves only to compensate length of cable control.



22 Adjusting device



8 Adjusting screw