

Parking Brake System: Adjustments

AR42.20-P-0540GH Adjust Parking Brake

Adjusting Park Brake

Notes:

When carrying out maintenance and repair work on the braking system, ensure that no mineral oil, grease, etc. is allowed to enter the brake system.

Fresh brake fluid must be used to flush and clean cylinders, lines and the expansion reservoir of the hydraulic brake system.

If mineral oil is detected or suspected in the brake system, proceed as follows:

1. Replace the tandem master brake cylinder and brake fluid reservoir.
2. Flush out the entire brake system thoroughly with fresh brake fluid.
3. All brake components with parts made of rubber, such as brake calipers, brake hoses, the ABS, ETS, ASR and ESP hydraulic unit, pressure reservoir, charge plunger unit and charging pump, which may have come into contact with mineral oil, must be replaced.
4. Bleed the brake system.

Treatment of ABS/ETS/ASR/ESP components on accident vehicles

If the extent of the damage to the vehicle or the position and external appearance of the hydraulic unit after the accident suggest that the hydraulic unit has suffered a severe shock, then it must be replaced.

Indications of this are e.g.:

- Kinked hydraulic lines
- Connections on hydraulic unit leaking
- Electrical cables or plug connectors damaged
- Metal block of hydraulic unit shows signs of damage
- Hydraulic unit detached from its bracket and cannot be easily reinstalled

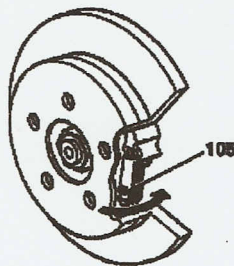
Even if none of these are applicable, the system must nevertheless be subjected to a scrupulous function test, and the test steps for the solenoid valves and the pump must be carried out.

Preloading automatic cable slack adjuster

1. Model 140: lower exhaust system (only as far as necessary).
2. Turn detent eccentric bolt (g) to the left with Allen wrench (about 1/2 turn) and at the same time push to the rear in the slot until the spring-tensioned detent eccentric (b) engages in the spring clamp (d) with the raise section (h).

Release automatic slack adjuster

1. Use a screwdriver to raise middle spring clamp (arrow), when this is done the cable slack adjuster is automatically set.



Operation Illustration

Division	Op.no.	Operation text
P	421300	ADJUSTING PARKING BRAKE
P	421302	ADJUSTING PARKING BRAKE (WHEELS REMOVED)

Operation no. of operation texts or standard texts and flat rates

1	Checking	
1	Check effectiveness of parking brake on the 10th notch	1 Adjust parking brake, if it is possible to press in the pedal more than 10 notches without there being adequate braking effect.
	Adjusting	
15	Notes on repairs to brake system	
2	Preload automatic slack adjuster.	F/B. 1
3	Unscrew one wheel bolt on left and right rear wheel.	1 Light-alloy wheels must be removed
4	Using suitable tool, turn adjusting wheel (105) until the brake shoes contact the brake drum and so that it is no longer possible to turn the rear wheel.	1 Adjusting direction (arrow) for fitting brake shoes: On both sides - turn adjusting wheel from left to right.
5	Turn back adjusting wheel (105) until the rear wheel can be turned completely freely.	1 When releasing the adjusting wheels ensure that both sides are turned back by the same number of teeth (approx. 5 teeth).
6	Release automatic slack adjuster.	F/B. 2
7	Operate parking brake firmly several times	
8	Check clearance of rear wheels.	
9	Fit wheel bolts to rear wheels	

Service Procedures

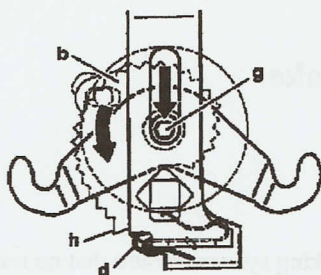


FIG. 1

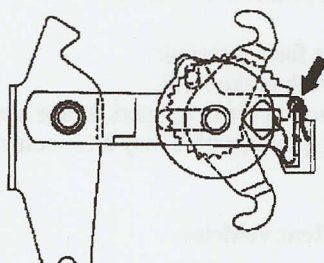


FIG. 2