

Operating and Installation Instruction

BPW Brake Components





BPW-EA-BK 37401801e - Version 2.0

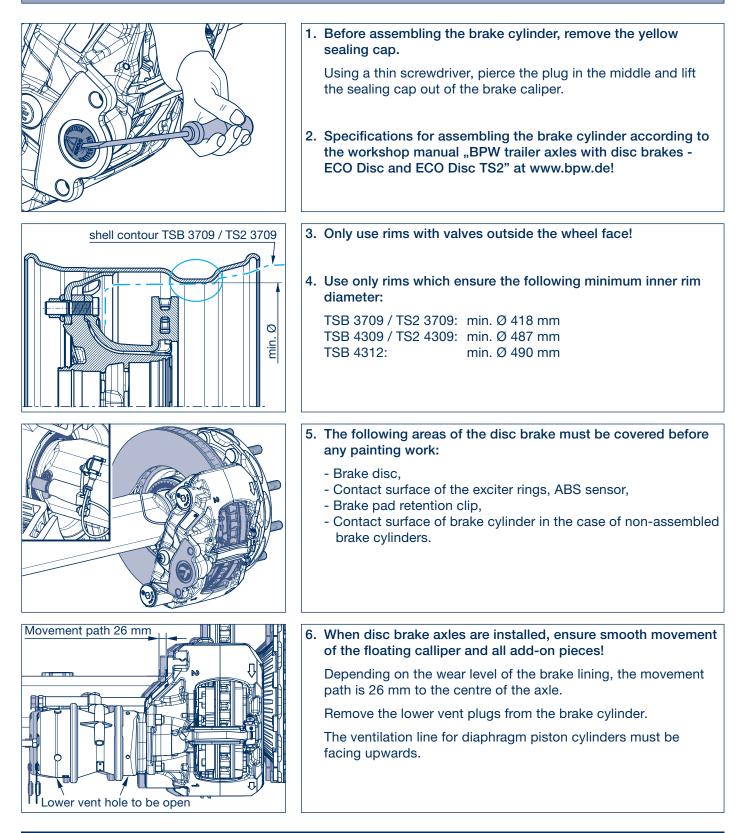
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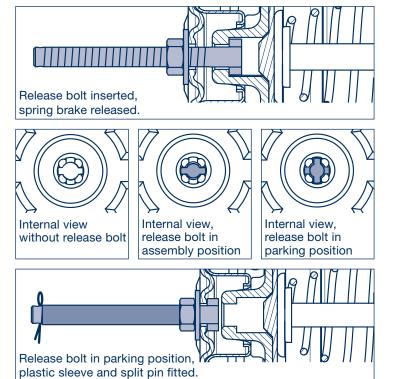
BPW Trailer Disc Brake - ECO Disc

- Installation instructions for vehicle manufacturers

The tightening torques, safety instructions, care and maintenance specifications as well as information on component changing can be found in the workshop manual "BPW trailer axles with trailer disc brakes - ECO Disc" at www.bpw.de!

General installation instructions





7. The brake cylinder release bolt must be installed in one of the two possible parking positions before vehicle is taken into operation.

Brake cylinders are usually delivered with released parking brake. When driving, the release bolt can be fixed in the keyhole of cylinder cover (cf. Figure) or the side fixture.

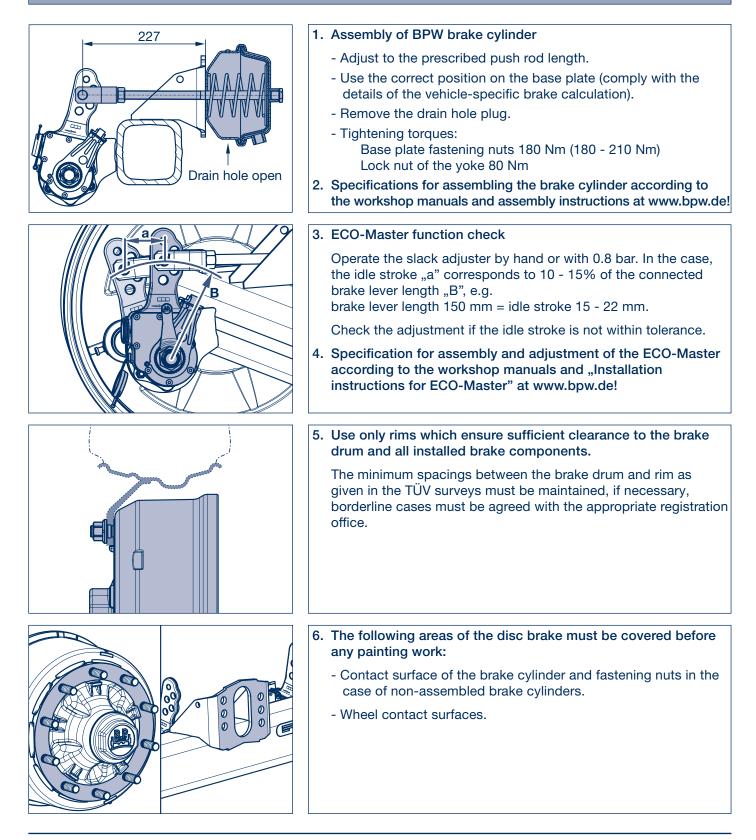
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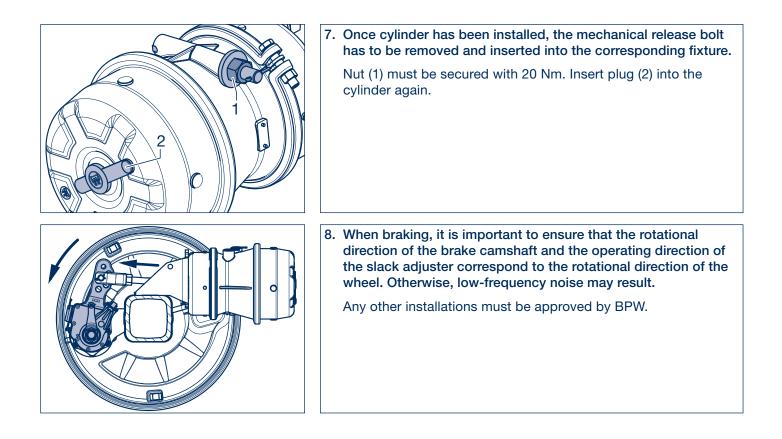
BPW Drum Brake

- Installation instructions for vehicle manufacturers

The tightening torques, safety instructions, care and maintenance specifications as well as information on component changing can be found in the appropriate workshop manuals at www.bpw.de.

General installation instructions





BPW Disc and Drum Brakes

- Operating instructions for end users

- 1. To maintain the performance of the brake system, we recommend regular use of the wheel brakes with an appropriate thermal input (approx. 400°C for disc brakes and 200°C for drum brakes).
- 2. Longer periods of vehicle non-use with the parking brake engaged may cause the linings on the brake disc or brake drum to rust.

Preventive measure:

- Warm up the brakes before shut-down, in order to park the brakes dry,
- Do not clean the vehicle with solvent cleaners before shut-down. This causes corrosion on shiny metal surfaces,
- Avoid vehicle shut-down with the parking brake engaged, if necessary use wheel chocks.

Measures before recommissioning:

- Test free running when the brake is released,
- If the wheel is blocked, despite the brake being released, dismantle the brake linings and clean or exchange them (see workshop manual).

3. Possible measures to prepare the brakes before MOT or SP (PTI) of the vehicle

- 1. Step: Greasing (with drum brakes)
- 2. Step: Start-up

Brake	Brake lining	Number of braking operations	Time	Starting speed	End speed	Cylinder pressure	End temperature
TSB 3709 TS2 3709	BPW 8101 BPW 8303	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 500°C
TSB 4309 TS2 4309	BPW 8200 BPW 8201	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 475°C
TSB 4312	BPW 8301	10x	1 min.	60 km/h	40 km/h	3 bar	approx. 400°C
SN 300	T 090	5x	1 min.	60 km/h	40 km/h	3 bar	approx. 200°C
SN 360	T 090	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 300°C
SN 420	T 090	5x	1 min.	60 km/h	40 km/h	3 bar	approx. 200°C

3. Step: Clean the brake

Brake	Brake lining	Number of braking operations	Starting temperature	Starting speed	End speed	Cylinder pressure (alternating)				
TSB 3709 TS2 3709	BPW 8101 BPW 8303	not required								
TSB 4309 TS2 4309	BPW 8200 BPW 8201	20x	approx. 100°C	60 km/h	40 km/h	3 bar				
TSB 4312	BPW 8301	10x	approx. 100°C	60 km/h	40 km/h	2 / 4 bar				
SN 300	T 090	not required								
SN 360	T 090	10x	approx. 100°C	60 km/h	40 km/h	2 / 4 bar				
SN 420	T 090	10x	approx. 100°C	60 km/h	40 km/h	2 / 4 bar				

For vehicle type approvals (vehicle homologations), further preparatory measures are required.

4. In the case of early brake wear, carry out a trailer synchronisation (ISO 20918).

The following are available for assembly at a later date:

- Wear sensor (b/w) for connection to the BPW Brake Monitor or EBS: Disc brake: 05.801.50.38.0 (comply with installation instructions 04.00.539017) Drum brake: 05.801.50.05.0 (comply with assembly instructions 04.001.21.22.0)
- Shaft cover for disc brakes for off-road use: 03.010.95.32.0

5. Observe this for new vehicles and/or after a brake service

The braking effect of new brake drums and brake discs or pads is only at its optimum after a few braking actions. Therefore, run in new brake pads. This involves avoiding lengthy application of the brakes and unnecessarily sharp braking.

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We thereby ensure outstanding transparency in loading and transport processes and facilitate efficient fleet management. Today, the well-established brand represents an international corporation with a wide product and service portfolio for the commercial vehicle industry. Offering running gear systems, telematics, lighting systems, composite solutions and trailer superstructures, BPW is the right system partner for automotive manufacturers.

BPW, the owner-operated company, consistently pursues one target: To always give you exactly the solution which will pay off. To this end, we focus our attention on uncompromising quality for high reliability and service life, weight and time-saving concepts for low operating and maintenance costs as well as personal customer service and a close-knit service network for quick and direct support. You can be sure that with your international mobility partner BPW, you always use the most efficient method.

Your partner on the path to economic viability



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