



BPW India- Warranty documents

Mechanical and Air suspension



Valid for all complete mechanical and air-suspension axle systems from production date 01.01.2022



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Valid: 01.01.2022

Edition 1

Subject to change without notice.

Current versions and additional information can be found online at www.bpw.in

1 Warranty

1.1. Warranty statement

BPW Trailer Systems India Private Limited, hereinafter referred to as “BPW”, warrants by an independent guarantee the manufacturing quality the “**entire BPW India products**” according to the conditions described below for the duration of the warranty.

The Warranty shall be valid

- from the day of vehicle registration or entry into service, at the latest by 6 months after production date of the BPW running gear system.
- for Indian products and in India only.

- Warranty Period:

Tip Trailer application - 12 Months or 1,00,000 KM whichever occurs first.

Other Trailer applications - 18 Months or 1,50,000 KM whichever occurs first.

- for BPW running gear systems on drawbar and semi-trailers,
- only for BPW running gear system and selected according to the appropriate use.
- only when pressure ranges are maintained in the supply line between 6.5 - 8.5 bar.

1.2. Extent of warranty

During the appropriate warranty period, BPW will, in the case of a claim, accept the direct costs for the material to be replaced as well as for the actual removal and installation. (Hereinafter referred to as “Warranty Service”).

The removed damaged parts should be retained and, if previously agreed, returned to BPW at warranty holder's expense. Additional claims by the warranty holder, of whatever nature, in particular expenses in connection with the warranty service received, are excluded. All warranty claims arising during the warranty period will be considered if they have been immediately reported to the vehicle manufacturer, BPW, one of its representatives.

1.3. Conditions for obtaining and maintaining the warranty

1.3.1. General Information

The prerequisite for obtaining and maintaining the warranty and, if appropriate, is that all measures must be carried out or arranged to be carried out in accordance with the current BPW service and BPW maintenance instructions. The service and maintenance instructions are up to date at the time of going to press. However, they are subject to modifications in response to ongoing developments.

	Period of warranty	Re-tightening of all bolted connections by BPW Service Technician or vehicle owner	Check or visual inspection by BPW	
		Within 1 month of the first journey under load; between 3,000 KM to 5,000 KM	12 months	18 months
Tip Trailer application	12 Months or 1,00,000 KM whichever occurs first	X	X	
Other Trailer applications	18 Months or 1,50,000 KM whichever occurs first	X	X	X

1.3.2. Maintenance work, repairs, spare parts

Rectification of any discovered defects or replacement of worn parts should be carried out by a BPW Service Technician or BPW Direct Service Partner unless the vehicle owner has the appropriate specialists and the required facilities, equipment, and workshop manuals available and possesses an official certificate to perform interim inspections or special brake inspections.

We strongly recommend that only genuine BPW parts, in particular brake linings, be used when fitting spare parts. Parts authorized by BPW for trailer axles and axle units are regularly subjected to special inspections.

Use of spare parts other than original BPW Spare Parts renders the warranties null and void.

If, during the appropriate warranty period, Warranty Services or repair work are carried out, the warranty period will then not begin again for the affected component.

1.3.3. Current state of service and maintenance work

BPW is continually developing its products. Technical changes and/or new knowledge may cause the instructions and specifications published by BPW to change (in particular with regard to scopes of service and maintenance).

The current state can be viewed at any time at www.bpw.in. On request, the latest printed edition of the required document can be made available by post free of charge.

1.4. Warranty exclusion

This Warranty does not cover normal wear and tear, the relevant wearing parts (in particular brake linings, brake drums, brake camshaft bearings, brake discs, brake pads, brake cylinders / Chamber / Diaphragm, shock absorbers and air bags).

In addition, the warranty shall not apply in the case of.

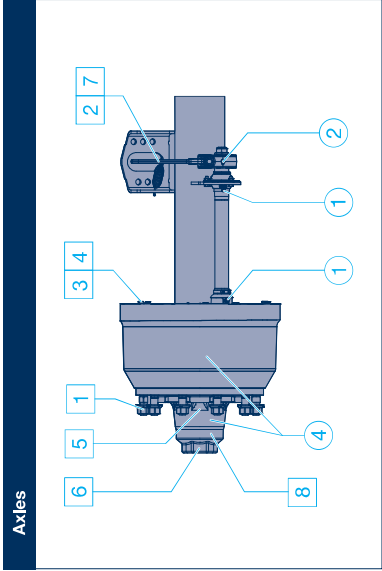
- damage caused by external violence,
- operational errors,
- non-observance of the current BPW
 - installation instructions,
 - operating and assembly instructions,
 - maintenance instructions (incl. safety instructions),
- use of spare parts other than BPW Original Parts during the warranty period.

2. Operational and road safety

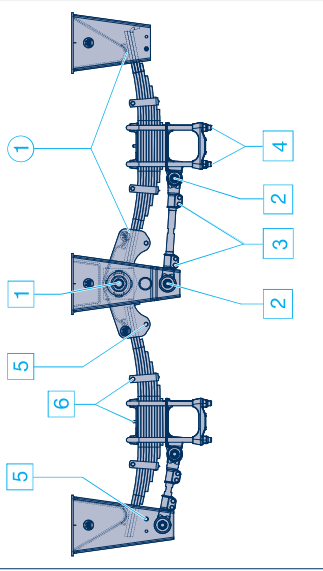
To maintain operational and road safety, maintenance work must be carried out at the prespecified intervals (see BPW Maintenance Instructions at www.bpw.in or, on request from info@bpw.in).

The relevant operational and service instructions of the vehicle manufacturer, as well as the other vehicle parts manufacturers, shall also be compiled with.

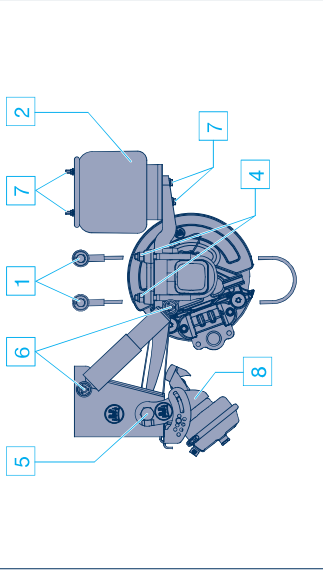
BPW axles and suspensions



Mechanical suspension ECO Cargo VB IN



Air suspension SL/AL



Subject to change (without notice) - the latest workshop manual has to be considered!
For updates and more information please visit our website: www.bpw.in.

Lubrication

- 1) BPW Grease only.
- 2) After a long idle period, prior to initial operation actuate the brake lever and lubricate the brake camshaft bearing.
- 3) With usage extreme conditions (e.g. extreme Off-Road use) more frequent lubrication with high pressure grease is necessary.

Axles with drum brakes and disc brakes

	Monthly once	Quarterly (every 3 months) once	Half yearly (every 6 months) (2) (3)	Yearly once or at every 150,000 km and every brake lining replacement	Latest every 2 years	Latest every 4 years or every 400,000 km
1) Brake camshaft bearing			●			
2) Slack adjuster (manual)		●				
3) Slack adjuster (automatic)			●			
4) Axle hub unit (400k)				●		●
5) Axle hub unit ECO/Conventional				●		
6) Axle hub unit (conventional)				●		
Mechanical suspension ECO Cargo VB IN						
1) Slightly grease the wear pads / ends of leaf springs.	●					

Maintenance

- 1) Visual inspection of all components and for wear and damage monthly.
- 2) After the first run under load conditions, likewise after each wheel change
- 3) Under extreme conditions, increase frequency (e.g. construction sites and poor roads)

Axles with drum brake

	Every 15 days (3) (2)	Every month once (1)	Every 3 months (1)	Every 6 months (1)	Yearly once and at every brake lining replacement (1)
1) Check wheel nuts for tightness.	■				
2) Manual slack adjusters: Brake play should be < 2/3rd of the brake chamber stroke length, when applied with system pressure.	■				
3) Automatic slack adjusters:					
4) Check brake lining thickness.		■			
5) Check the brake drum for cracks and check its internal diameter.			■		
6) Check wheel hub bearing play, adjust if necessary.				■	
7) Check hub caps for firm seating.				■	
8) Check ABS sensor positioning.				■	

Mechanical suspension ECO Cargo VB IN

1) Check M42 bolts on Equalizing beam assembly for tightness.	■				
2) Check equalizing beam bush & connecting rod for wear.	■				
3) Check axle connecting rod bolts for tightness.	■				
4) Check connecting rod clamping screws for tightness.	■				
5) Check axle alignment.	■				
6) Check spring U-bolts for tightness using a torque wrench.	■				
7) Check wear pad bolts for tightness.	■				
8) Check wearing of wear pads & centre support wear plate	■				
9) Check leaf spring fasteners.	■				

Air suspension SL/AL

1) Catch strap: Check condition and fastening.	■				
2) Check condition of air bags.	■				
3) Check air suspension leveling valve: linkage, ride height, leaks, kinks	■				
4) Check U-bolts for tightness.	■				
5) Check spring pivot bolts for tightness/rubber bush for wear.	■				
6) Check shock absorber fastening for tightness with a torque wrench.	■				
7) Check air bag fastening for tightness.	■				
8) Check axle lift for tightness.	■				

Lubricants

Grease quantity - 400k Unit

	A) inner	B) outer
10000 - 12000 kg	230 g	150 g

Grease quantity - ECO Unit

	A) inner	B) outer
10000 - 12000 kg	230 g	150 g

Grease quantity - Conventional wheel hub bearing

	A) inner	B) outer
10000 - 12000 kg	240 g	500 g

Tightening torques

Axles				
1) Wheel nuts	Spigot arrangement	M 22 x 1,5 M 22 x 2	SW 32/33	M = 630 Nm M = 400 Nm
6) Hub caps	400k ECO Conventional	10 - 12 tonnes 10 - 12 tonnes 10 - 12 tonnes	SW 110	M = 300 Nm M = 300 Nm M = 300 Nm
8) Castle nut	400k ECO Conventional	10 - 12 tonnes 10 - 12 tonnes 10 - 12 tonnes		M = 150 Nm M = 150 Nm M = 150 Nm
Mechanical suspension ECO Cargo VB IN				
4) U-Bolts		M 24 x 3	SW 36	M = 600 - 650 Nm
6) Leaf spring				
	Centre bolt of leaf spring	M 12	SW 19	M = 123 Nm
	Nuts of the leaf spring	M 12	SW 19	M = 85 Nm
Connecting rods				
2) Locking nut of the connecting rod		M 24 x 2	SW 36	M = 650 Nm
3) Locking nut of the clamping head		M 12	SW 19	M = 85 Nm
5) Wear pad	Wear pad locking nut	M 12	SW 19	M = 85 Nm
1) Equalizing beam	Locking nut	M 42 x 3	SW 65	M = 1300 Nm
Air suspension SL/AL				
4) U-Bolts		M 24	SW 36	M = 650 Nm
5) Spring pivot bolts		M 24	SW 36	M = 650 Nm
6) Shock absorber fastening		M 30	SW 46	M = 900 Nm
7) Airbag (bellow) fastening		M 24	SW 36	M = 420 Nm
	Top attachment	M 12	SW 17	M = 66 Nm
	Bottom attachment	M 16	SW 22	M = 260 Nm
	Central screw	M 16	SW 22	M = 300 Nm
8) Axle lift				
	Cylinder screw	M 20	SW 30	M = 365 Nm
	Hexagon screw	M 12	SW 17	M = 130 Nm

Warranty Registration Form



Registration is an absolute requirement for obtaining warranty cover from BPW Trailer Systems India Private Limited, (please also see the information contained in the BPW Warranty Document / Service and Maintenance requirements).

Trailer Manufacturer:
 Contact No:
 Address: City:
 State:
 Postal Code:
 E-mail:
 Chassis No:

Trailer Owner:
 Contact No:
 Address: City:
 State:
 Postal Code:
 Trailer Reg No:
 E-mail:

BPW BERGISCHE AXSEN KG D-51674 WIEHL GERMANY		
SKHZF 10008 ECO-P	174644142	
ID1-D115-2/ID2-TSB3709/ID3-11282/ID4-36 108		
27.50.616.020	10000 kg 1 m/h	

	Example:	27.50.616.020	174644142
	1. Axle		
	2. Axle		
	3. Axle		

In accordance with the contents of the Warranty Document / Service instructions (BPW-India warranty-2022-001) shall apply for the Mechanical and Air suspension warranty.

For Tip Trailer Application

For Other Trailer Applications

12 Months or 1,00,000KM whichever occurs first

18 Months or 1,50,000KM whichever occurs first

Trailer type:	Flatbed / Skeletal / Side wall <input type="checkbox"/>	Low Bed <input type="checkbox"/>	Tanker <input type="checkbox"/>
	Bulker <input type="checkbox"/>	Car / Truck carrier <input type="checkbox"/>	Full Trailer <input type="checkbox"/>
	Running gear <input type="checkbox"/>	Tip Trailer <input type="checkbox"/>	Others <input type="checkbox"/>

Maintenance must be carried out in accordance with BPW maintenance instructions. Please fill in the original and send it to one of the registration addresses (see the back of the form). Keep the copy for your records.

I hereby declare that the information made is correct and I agree that this data can being stored electronically to qualify for the warranty.

Name: Date: Signature with Stamp.....

Service History

Service 1 Between 3,000 KM to 5,000 KM

(As described in the maintenance intervals)

Date:



Stamp and signature of the BPW service technician
carrying out the work

Service 2 after 50,000 KM

(As described in the maintenance intervals)

Date:



Stamp and signature of the BPW service technician
carrying out the work

Service 3 after 1,00,000 KM

(As described in the maintenance intervals)

Date:



Stamp and signature of the BPW service technician
carrying out the work

Service 4 after 1,50,000KM

(As described in the maintenance intervals)

Date:



Stamp and signature of the BPW service technician
carrying out the work

Notes :

BPW is a globally leading manufacturer of intelligent running gear systems for trailers and semi-trailers. As an international mobility and system partner, we offer a wide range of solutions for the transport industry from a single source, from axle to suspension and brake to user-friendly telematics applications.

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



BPW Trailer Systems India Private Limited

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