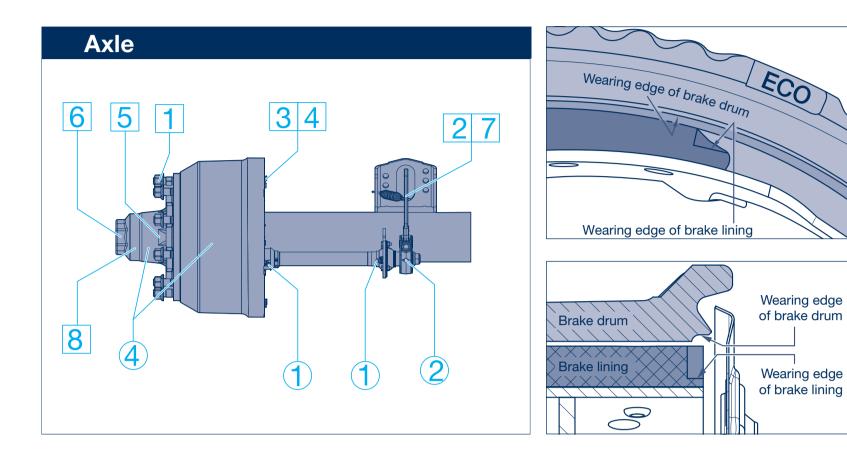
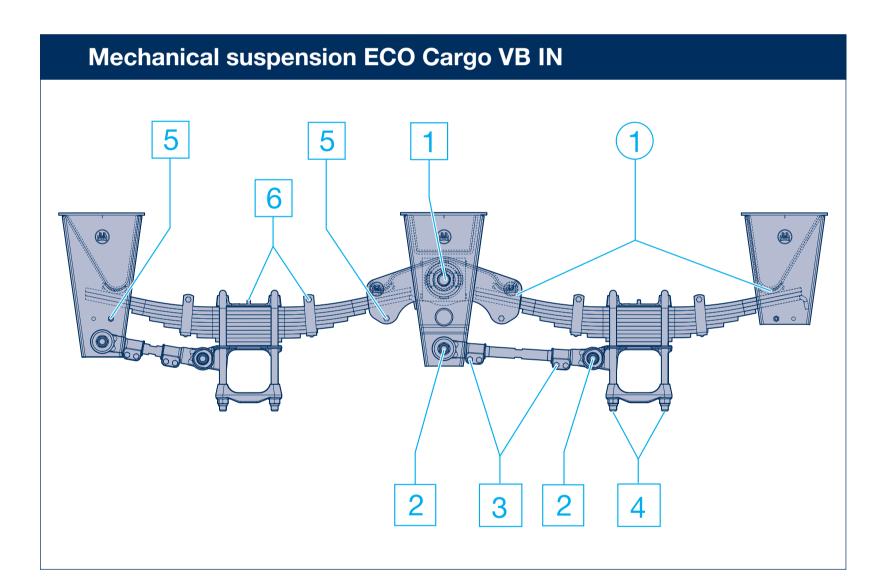
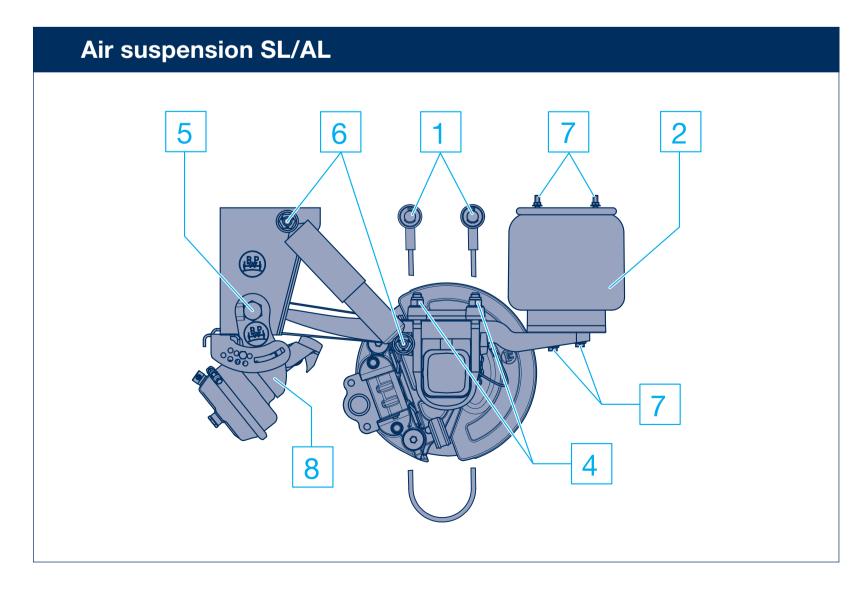
BPW Maintenance intervals

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BPW axles and suspensions







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		months)	ionths)	150,000 ing		or every
	1) BPW Grease only.		3 mo	y 6 m	very ce lini	years	years o
	2) After a long idle period, prior to initial operation actuate the brake lever and lubricate the brake camshaft bearing.	once	/ (every	ly (ever	ce or at e very brak ent	0	5
	3) With usage extreme conditions (e.g. extreme Off-Road use) more frequent lubrication with high pressure grease is necessary.	Monthly once	Quarterly (every once	Half yearly (every 6 months) (2) (3)	Yearly once or at every 150,000 km and every brake lining replacement	Latest every	Latest every 400,000 km
	Axles with drum brakes and disc brakes						
D	Brake camshaft bearing						
	Slack adjuster (manual)						
	Slack adjuster (automatic)						
	Axle hub unit (400k)						
Ð	Axle hub unit ECO/Conventional						
	Axle hub unit (conventional)						
	Mechanical suspension ECO Cargo VB IN						
)	Slightly grease the wear pads / ends of leaf springs.						

	 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. 	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 2 years or every 400,000 km
	Axles with drum brakes and disc brakes						
1	Brake camshaft bearing						
(2)	Slack adjuster (manual)						
2	Slack adjuster (automatic)						
	Axle hub unit (400k)						
4	Axle hub unit ECO/Conventional						
	Axle hub unit (conventional)						
	Mechanical suspension ECO Cargo VB IN						
1	Slightly grease the wear pads / ends of leaf springs.						

	Maintenance				(1)			y lt (1)
	Please ensure the torque (re	e-torque) of all the fasteners after first 2000 km.		(3) (2)		3 (1)	(1)	and at every replacement
	1) Visual inspection of all co	omponents and for wear and damage monthly.			th or	month's	month's	ınd at replac
	2) After the first run under load conditions, likewise after each wheel change.			15 da	mon	3 mo	6 mo	once a ning 1
	3) Under extreme conditions (e.g. construction sites ar			Every 15 day's	Every month once	Every	Every	Yearly once and at every brake lining replacement
	Axles with drum bra	ike						
1	Check wheel nuts for tightn	iess.						
2	Manual slack adjusters:	Brake play should be < 2/3rd of the brake chamber						
	Automatic slack adjusters:	stroke length, when applied with system pressure.						
3	Check brake lining thicknes	SS.						
4	Check the brake drum for cracks and check its internal diameter.							
5	Check wheel hub bearing p	olay, adjust if necessary.						
6	Check hub caps for firm seating.							
-	Check ABS sensor positioning.							
	Mechanical suspens	sion ECO Cargo VB IN						
1	Check M42 bolts on Equalit	zing beam assembly for tightness.						
-	Check equilizing beam bus	sh & connecting rod for wear.						
2	Check axle connecting rod	bolts for tightness.						
3	Check connecting rod clarr	ping screws for tightness.						
-	Check axle alignment.							
4	Check spring U-bolts for tig	ghtness using a torque wrench.				(3)		
5	Check wear pad bolts for ti	ghtness.						
-	Check wearing of wear pad	ls & centre support wear plate						
6	Check leaf spring fasteners	S.						
	Air suspension SL/A	\L						
1	Catch strap: Check condition	on and fastening.						
2	Check condition of air bags	3.						
3	Check air suspension levelin	g valve linkage, ride height, leakage, kinks						
4	Check U-bolts for tightness	S				(3)		
5	Check spring pivot bolts for	tightness/rubber bush for wear.						
6	Check shock absorber fast	ening for tightness with a torque wrench.						
7	Check air bag fastening for tightness.							
8	Check axle lift for tightness.							
	1							

ubricants							
Grease qua	ntity - 400k Unit	t					
	Grease quantity per taper roller bearing						
Axle load	(A) inner	Bouter					
10000 - 12000 kg	230 g	150 g					
Grease quantity - ECO Unit							
	Grease quantity per	taper roller bearing					
Axle load	Grease quantity per	taper roller bearing B outer					
Axle load 10000 - 12000 kg							
10000 - 12000 kg	A inner 230 g	Bouter	bearing				
10000 - 12000 kg	A inner 230 g ntity - Conventi	B outer 150 g	bearing				
10000 - 12000 kg	A inner 230 g ntity - Conventi	B outer 150 g onal wheel hub	bearing				

	Axles							
1	Wheel nuts							
			M 22 x 1.5	014/00/00	M = 630 Nm			
		Spigot arrangement	M 22 x 2	- SW 32/33	M = 400 Nm			
6	Hub caps							
		400k	10 - 12 tonnes		M = 300 Nm			
		ECO	10 - 12 tonnes	SW 110	M = 300 Nm			
		Conventional	10 - 12 tonnes		M = 300 Nm			
8	Castle nut							
		400k	10 - 12 tonnes		M = 150 Nm			
		ECO	10 - 12 tonnes		M = 150 Nm			
		Conventional	10 - 12 tonnes		M = 150 Nm			
	Mechanical	suspension ECO Cargo VE	B IN					
4	U-Bolts		M 24 x 3	SW 36	M = 600 - 650 N			
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 suspens	sion SL/AL						
4	U-Bolts		M 24	SW 36	M = 650 Nm			
		-	M 24	SW 36	M = 650 Nm			
5	Spring pivot bol	ts	M 30	SW 46	M = 900 Nm			
6	Shock absorber	fastening	M 24	SW 36	M = 420 Nm			
7	Airbag (bellow) fastening							
		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			

BPW Trailer Systems India Pvt. Ltd. · Indospace AS Industrial Park, Chakan Phase II, Building 900 Unit A, Gat No. 341, Village Mahalunge Ingale, Tal. : Khed Pune - 410 501 · Maharashtra · India · Phone +91 2135 623 800 · info@bpw.in · www.bpw.in

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