

BPW Axles and Air Suspension First Service Inspection



Trailer VIN Number:	Trailer Owner:
---------------------	----------------

First Service to be performed after entering into service
 - within 2 weeks of the first journey under load, between 1000km and 5000 km.

This checklist is required for warranty registration

	Service Requirement	Tightening Torques use a calibrated torque wrench	Tick	Comments
BPW AIR SUSPENSION	U-bolts			
	Welded spring seats	650 Nm (605 - 715 Nm)		
	Clamped spring seats - when servicing	550 Nm		
	Spring Pivot bolts	650 Nm (605 - 715 Nm)		
	- re-torque at ride height with brakes released	900 Nm (840 - 990 Nm)		
	Shock absorber fastenings	420 Nm (390 - 460 Nm)		
	Airbag fastenings			
	Top collar nuts	66 Nm		
	Bottom screws	230 Nm		
	Central screw	300 Nm		
	Axle Lift - 2 sided			
	Diaphragm Cylinder - Type 36 for single wheels	180 - 210 Nm		
	Diaphragm Cylinder - Type 44 for dual wheels	350 - 380 Nm		
	Hexagon screw	75 Nm		
	Hexagon screw - Supporting arm	230 Nm		
	Bolt-on hangers			
	Hanger to chassis mounting bolts	260 Nm (240 - 285 Nm)		
	Top gusset bolts (3 to 4 bolts)	260 Nm (240 - 285 Nm)		
	Bottom gusset bolt connected to pivot bolt head	420Nm (390 - 460 Nm)		
	Check operation of the airbag Pneumatic system and that it is piped correctly. Check height			
Check ride height on axle fitted with levelling valve. Re-set if necessary to manufacture's recommendation. Ensure trailer air supply is connected and brakes are released.				
Check tracking plates are welded to spring seats (if fitted).				
BPW Axles	Attachment nuts for brake cylinder	180 - 210 Nm		
	Lock nut for slack adjuster	80 - 90 Nm		
	Wheel nuts - after first run under loaded conditions, and	630 Nm (600 - 660 Nm)		
	Check hub bearing play. There must be no play. Adjust if necessary.			
	Booster fitment - correct lever length holes used according to load sensing data plate			
	Check brake adjustment. Adjust if necessary - 10 - 15% of the effective slack adjuster length.			
	With disc brake axles: Check that the brake caliper brake adjuster cap is in place.			
	Fit new cap if required.			
With disc and drum brake axles: check that the lower plastic vent plugs have been removed from the BPW brake boosters. Remove vent plug if necessary.				
Service provided by (company):		Mechanic:	Date:	
Address:		Registration number:	Trailer builder:	
Trailer type:		Kilometers Travelled:	Job card number:	
			Next Service Date:	
Axle serial numbers (located on axle number plate:				
1:		2:		
3:		4:		
5:		6:		
Comments:				
Telephone: (011) 680 1443 / 681 3300 * Email: productsupport2@bpw.co.za / fleetsupport@bpw.co.za * Website: www.bpw.co.za Cnr Kitty and Donald Streets Chrisville 2091 * Johannesburg * P O Box 82545 * Southdale 2135 * South Africa				