

KNORR / BENDIX brake assembly checklist



		IN / BENDIX BIGI	<u> </u>			<u></u>			
Та		or warranty acceptance - con rked left (L) and right (R) ca							
Customer:			Complaint:						
Vehicle manufacturer:		Vehicle type:			Fleet numbe	er:			
In service date:		Chassis no. (VIN):				Mileage:		·	
Axle manufacturer:		Axle part number:							
Axle model:		Axle serial number:							
Brake chamber manufacturer:	Knorr-Bremse	Bendix	MGM e-stroke						
Brake manufacturer:	Knorr-Bremse	Bendix							
Axle position in the vehicle:	Front (steering)	Center (tag)	Rear (driv	/e)					
	1 4					Brake t	type:		
(I((((((((((((((((((((((((((((((((((((Front of t vehicle	Curb side (R)))) KNORR-BRE		Axia	al		Radial	
Data tag brake caliper			Data tag brake calip						
		condition (a + b): Nominal: 0						/ mm	
1. Measure running clearance of	brake in cool down of	ondition (a + b): Norminal. U.	.6 -1.1mm		ning tappet / outcor unning clearance		· ·	/ mm	
Push inboard pad away from the tappets	0.6-1.1 mm	Measure		Incom	- remove the brake air chamber (c) - measure running clearance again (a + b) - if clearance OK - go to step 3 sing tappet / outcoming tappet / mm				
3. Thickness of brake pads (New		9 mm back plate)	Inboard pa		mm	Outboard		mm	
				not OK		Comments			
4. Check brake adjuster function	n (refer to KB service manua'	ıl Y006471)							
Adjuste Shear adapter	Never turn adjuster without shear adapter being fitted. If the shear torque of the shear adapter is exceeded, then it is designed to fail. Try again with a new (unused) shear adapter. With a second failure of the shear adapter the caliper must be exchanged since internal damage is present. Do not use an open-ended spanner as this may damage the adapter. Make sure the ring spanner or socket can turn freely clockwise during the following procedure. Make sure brake pads are installed in the caliper during adjuster check								
Port 11	13	P 9 14 14			Normal	10	Thermal	overload	

	Yes	No	Comments					
5. Residual air pressure in service brake?								
6. Air tightness from port (12) parking brake to (11) service brake?								
7. Brake pads movement in brake carrier?								
8. Gap back plate of pad in brake carrier (mm)	Caliper s	side (C)	mm	Plunger side (P)			mm	
		not OK	Comments					
9. Caliper movement along guide pins - mounted on axle (slide caliper fully IN and OUT - brake pads removed)								
10. High thermal load at brake pads visible?	Yes	No						
11. Brake pad retainer springs connection to the pad back plate?	Loose				NA.	Data.		
12. Brake pad manufacturer / date of manufacture?	-		ar; Galfer; othe	er:	_ INIT	g. Date:		
13.Thermal damage of tappets with rubber boots ?	Yes	No						
14. Thermal damage of fixed / loose guide pin boots ?	Yes	No						
15. Floating guide pin to rubber bushing clearance (SB models only)	Yes	No	Nominal: 3.0		X A	ctual:	mm	
15 b	 Push the caliper in the direction of the arrow (a) ▲ Note that there is no contact between caliper and carrier (a) While maintaining pressure on the caliper, measure distance X (a) Pull the caliper away from the carrier and measure distance Y (b) If distance Y - X is greater than 3.0 mm, rubber bushing must be replaced 							
16. Marks from plunger of the brake chamber in the caliper housing	V							
10. Marks from plunger of the brake chamber in the camper housing	Yes	No						
17. Brake disc condition (check appropriate letter)	OK		Not OK:	A1	B1	C1	D1	
	OK A1 = Small cra B1 = Cracks le C1 = Unevenr D1 = Cracks g friction ring are In case of sum	acks spread ov ess than 1.5 mi ness of the disc going through to e not allowed a face conditions	er the surface are and deep or wide, rund surface less than to the cooling duct on the disc MUST A1, B1 or C1, the or	allowed nning in a i 1.5 mm de ir onto the BE REPLA	radial dire ep is allo inner or t	ection are owed to the ou	re allowed uter edge of the	
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