ABC COMPANIES
Exclusive U.S. VANHOOL Distributor

TECH TIPS
#1406

COACH MODEL : CX,TX,T2145,C2045 & TD925 with Knorr-Bremse SN7 brakes

DATE : Aug 1, 2014

SUBJECT : Brake Pad Check List

Brake Pad Check list as seen below should be performed every time a coach is in for service and every time the wheels have been removed. For more information and detailed instruction please visit www.abc-companies.com under the customer care section select Grab'n'Go for Brake pad change to view the presentation.

Brake Pad Change Check List — BPC — Installation Check List

MODEL: C2045, T2145, TD925 - 2009 up - Knorr Bremse SN-7

During a brake pad change certain checks should be performed to ensure proper caliper operation and increase the probability that the caliper will operate to the next brake pad change with no maintenance issues. For work required above and beyond the pad change use line numbers in "Additional Work Required" box at bottom of page.

Operator | Unit # | VIN # | License # | Miles: | Date:

Completed / Initials	Action	Line	Description	Line
	Push - Pull	1	With wheel off, push and pull caliper 3 times in axial direction to assess existing pad air gap/clearance	1
	Disassembly	2	Remove Pad Retainer	2
	Push - Pull	3	To reconfirm pad air gap/clearance again, push and pull caliper 3 times in axial direction to assess existing pad air gap	3
	Position - Lever	4	Position caliper inboard and lever inside pad away from tappets.	4
	Measure	5	Pad air gap between both tappets simultaneously and inboard pad backing plate	5
	NOTE	6	Gap must be between .6 and 1.1 mm (.024 and .043) Pass ☐ Fail ☐	6
	NOTE	7	Difference in clearance from tappets to backing plate between upper and lower tappet cannot exceed .25mm (.010) Pass ☐ Fail ☐	7
	Back Off - Apply	8	Back off adjuster 3 clicks to increase running air gap/clearance - Apply brakes 5-10 times and confirm wrench movement (make sure to use the shear adapter) Pass ☐ Fail ☐	8
	Inspect	9	Condition of brake rotor - look for cracking to rotor edge and/or through to cooling vanes (heat checks OK). Refer to VIN specific maintenance manual if in doubt Pass ☐ Fail ☐	9
	Measure	10	Measure thickness of brake rotor. If less than 39 mm (1.53") it should be replaced. If less than 37mm (1.45") it must be replaced. Thickness of Disc ☐ mm	10
	Remove	11	Brake Pads	11
	Inspect	12	Inspect tappet boots for damage, cuts or obstructions - remove obstructions with soft brush Pass ☐ Fail ☐	12
	Back Off	13	Back off adjuster rewinding the tappets completely into caliper	13
	Slide	14	Slide Caliper axially along the whole length of the guide pins - caliper must move smoothly and unobstructed for at least 25mm (1 inch). Pass ☐ Fail ☐	14
	Install	15	Brake pad sensor if so equipped	15
	Install	16	Install New Brake Pads	16
	Engage pads	17	Turn the adjuster until pads come contact with disc, then back the adjuster off 3 clicks, reinstall cap	17
	Assemble	18	Reinstall pad retainer and sensor harness	18
	Apply/Push-Pull	19	Apply and release brake five to ten times, push and pull calipers three times in axial direction to confirm air gap/clearance	19

Note: Refer to maintenance manual for more information