
PREVOST

Warranty Bulletin

DATE: November 1994

NO: 94-26
SECTION: 12

SUBJECT: BRAKE CALIPERS

APPLICATION:

Models	VINs
H3-41 & 45 Vehicles with "Knorr" brakes.	All vehicles up to 2P9V33499S1001118 inclusively.

DESCRIPTION

Prévost Car's front and tag axle brakes' supplier "Knorr-Bremse" have found that a problem, caused by a machining error in some brake carriers (the fixed part of the caliper) can occur on the above mentioned vehicles. This machining error causes a misalignment between the caliper/brake pads and the brake disc which in turn creates an uneven pad wear problem.

Not all calipers are out of spec., therefore you will need to test each one in order to determine if repairs are necessary.

To test the calipers (and repair brakes if necessary), proceed in the following manner.

MATERIAL (TEST) (Inclosed with this bulletin)

Part no.	Description	Qty
N/A	Pad, brake	1

MATERIAL (REPAIRS)

Part no.	Description	Qty
641326	Brake assy, L.H., front axle	as req.
641324	Brake assy, R.H., front axle	as req.
641327	Brake assy, L.H., tag axle	as req.
641325	Brake assy, R.H., tag axle	as req.

NOTE: Exceptionally, material part numbers are applicable to this bulletin only!

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

Caution: When vehicle is parked overnight or for an extended period of time, battery switches should always be set to the "OFF" position.

WARNING: Make sure brakes can not be operated during repairs.

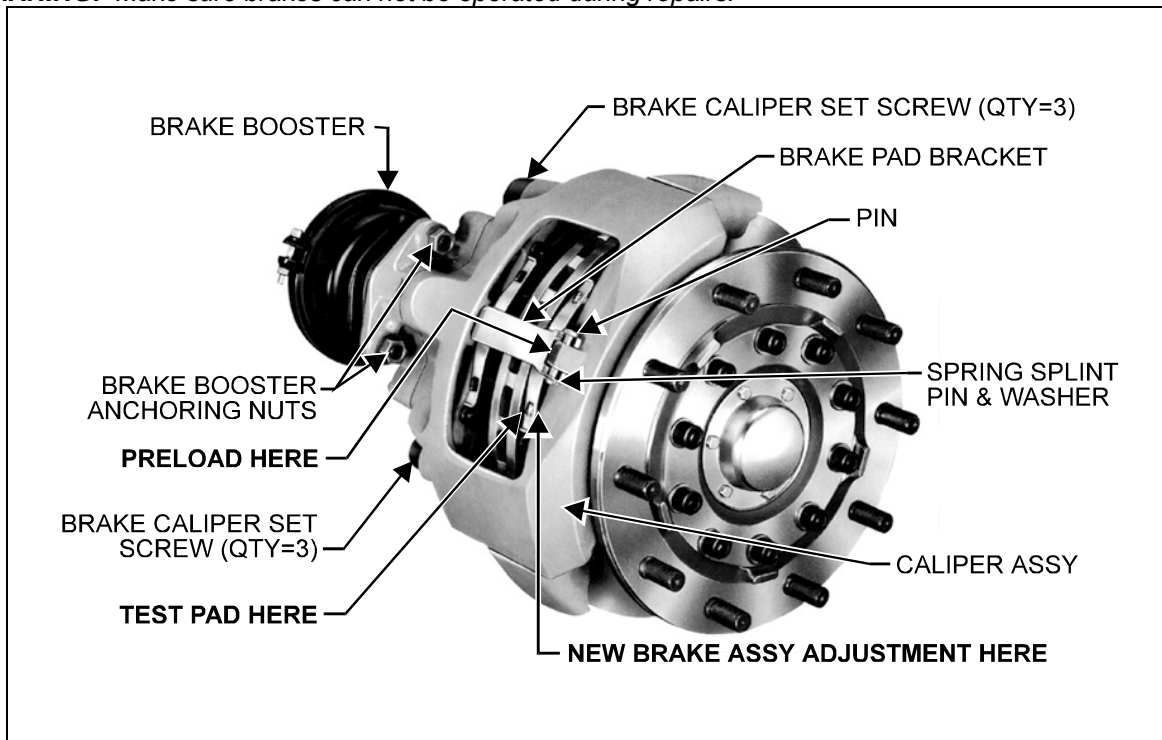


Figure 1

12019.WMF

1. Raise and support the vehicle at the recommended jacking points (see Maintenance Manual, section 18, under "Vehicle Jacking Points").

2. Remove front L.H. wheel (see section 13 of Maintenance Manual).

3. Using long nose pliers, remove spring splint pin & washer from brake caliper assy (see Fig. 2).

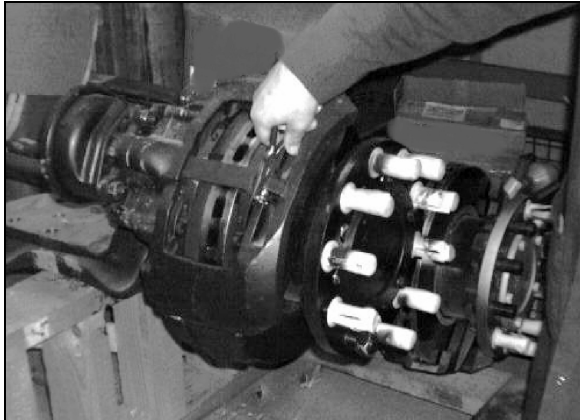


Figure 2

12020.PCX

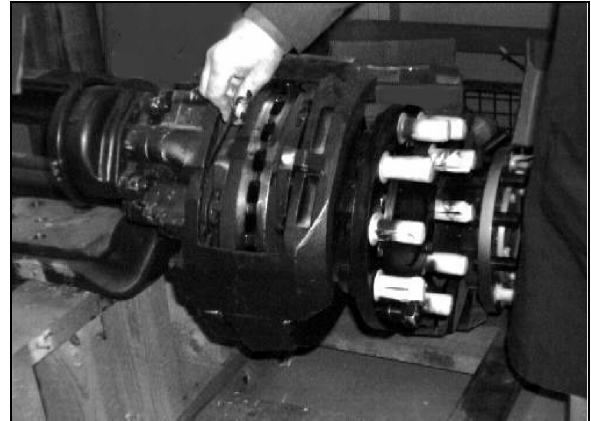


Figure 4

12022.PCX

4. Pre-load brake pad bracket with a screwdriver and slide pin out of bore hole (see Fig. 3).



Figure 3

12021.PCX

6. Loosen caliper assy by fully unscrewing the slack adjuster bolt counterclockwise (see Fig. 5).

CAUTION: Be careful when screwing and/or unscrewing this bolt; misaligned force could brake bolt.

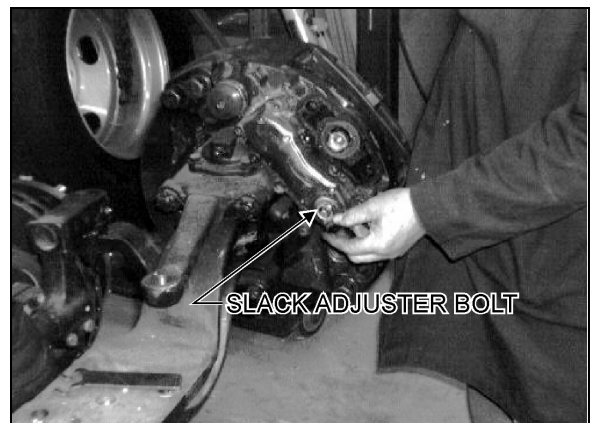


Figure 5

12023.PCX

5. Lift & remove brake pad bracket (see Fig. 4).

7. Remove outboard brake pad and replace with new test pad (supplied with this bulletin) (see Fig. 6).



Figure 6

12024.PCX

8. Readjust clearance adjustment by screwing in slack adjuster bolt so that the distance between the thrust member and the brake pad carrier equals 0.018" (0,7 mm) (see Fig. 1 "NEW BRAKE ASSY ADJUSTMENT HERE").

CAUTION: Be careful when screwing and/or unscrewing this bolt; misaligned force could brake bolt.

9. Reinstall items (in reverse order) as described in steps 3 through 5.

10. Push caliper assy inward and make sure that outboard brake pad is in contact with disc on R.H. side of pad (see Fig. 7).

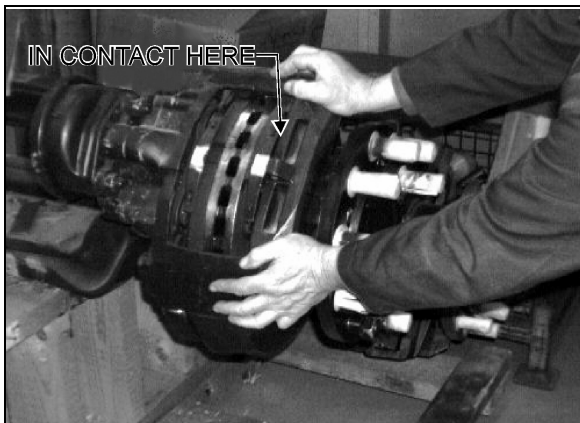


Figure 7

12025.PCX

11. Insert feeler gauge in between L.H. side of brake pad and brake disc (see Fig. 1 "TEST PAD HERE" & 8).



Figure 8

12026.PCX

NOTE: The edge of new pads is not always uniform, therefore some pressure might be required in order to insert feeler gauge.

If the disc-to-pad gap variation does not exceed 0.020" (0,5 mm) no further action is required other than filling out the *Test Form* on pages 7-9; proceed to testing the front R.H. wheel, then to tag axle wheels.

If the disc-to-pad gap variation exceeds 0.020" (0,5 mm); take note of the variation (use *Test Form* on pages 7-9) and proceed to testing the front R.H. wheel, then to tag axle wheels. When every wheel on every vehicle has been tested and *Test Form* has been completely filled out, advise Prévost Car Inc. of the quantities of Brake Assies required for repairs by mailing in your *Test Form* to:

Prévost Car Inc.
c/o Service Department
35 Boul. Gagnon
Ste Claire (Québec)
CANADA, G0R 2V0

CAUTION: Do not, at any time, use the test pad on your vehicle(s) for other than testing purposes.

When the materials required for repairs have been received, replace Brake Assy(ies) in the following manner.

A. Remove both brake pads by first, redoing steps 1 through 6.

B. FRONT AXLE

Unscrew connector "B" & disconnect brake air hose as shown on Fig. 9; then unscrew and remove connector "A" as shown on Fig. 9 (do not discard; to be used on new assy).



Figure 9 12027.PCX

B. TAG AXLE

Unscrew connectors "B" & disconnect brake air hoses as shown on Fig. 10; then unscrew and remove connectors "A" as shown on Fig. 10 (do not discard; to be used on new assy).

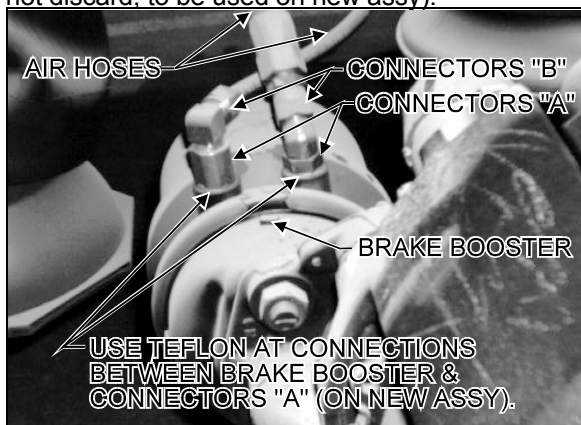


Figure 10 12028.WMF

C. Unscrew and remove the six (6) brake caliper set screws from brake mounting bracket; then remove brake assy from hub unit (see Figs. 11 & 12).

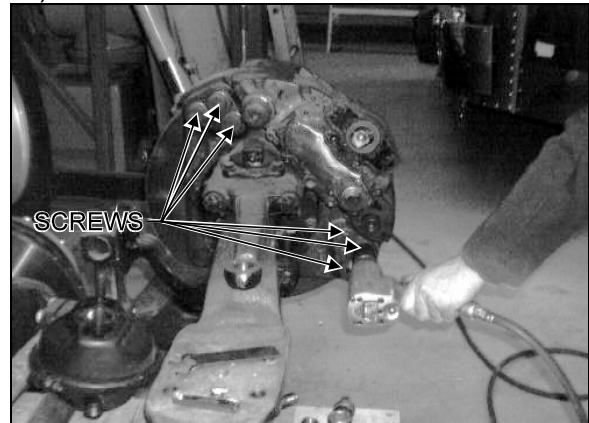


Figure 11 12029.WMF



Figure 12 12030.WMF

NOTE: Existing brake assy is to be returned to Prévost Car Inc.. Do not discard.

D. Install new brake assy on hub unit. Tighten and torque the six (6) set screws to 310-340 lbf·ft (420-461 N·m) (see Fig. 11).

E. Reinstall connector(s) "A" at back of brake booster using teflon on threads (see Fig. 9 "Front Axle" or 10 "Tag Axle"); then reinstall brake air hose(s) by joining connectors "A" & "B" as shown on Fig. 9 "Front Axle" or 10 "Tag Axle".

F. Install new brake pads using steps 1 - 6.

G. Readjust clearance adjustment by screwing in slack adjuster bolt so that the distance between the thrust member and the brake pad carrier equals 0.018" (0,7 mm) (see Fig. 1 "NEW BRAKE ADJUSTMENT HERE").

CAUTION: Be careful when screwing and/or unscrewing this bolt; misaligned force could brake bolt.

WARRANTY

This modification is covered by the manufacturer's normal warranty. We will reimburse you the parts and one & one half hours (1.5) of labour for every vehicle tested and one half hour (0.5) for every wheel repaired, upon receipt of removed brake assembly(ies) & test pad and a completed A.F.A. form on which you must specify as per Warranty Bulletin 94-26.

Expiration date: November 1995

USE FIG. 13 TO LOCATE BRAKE SERIAL NUMBER.

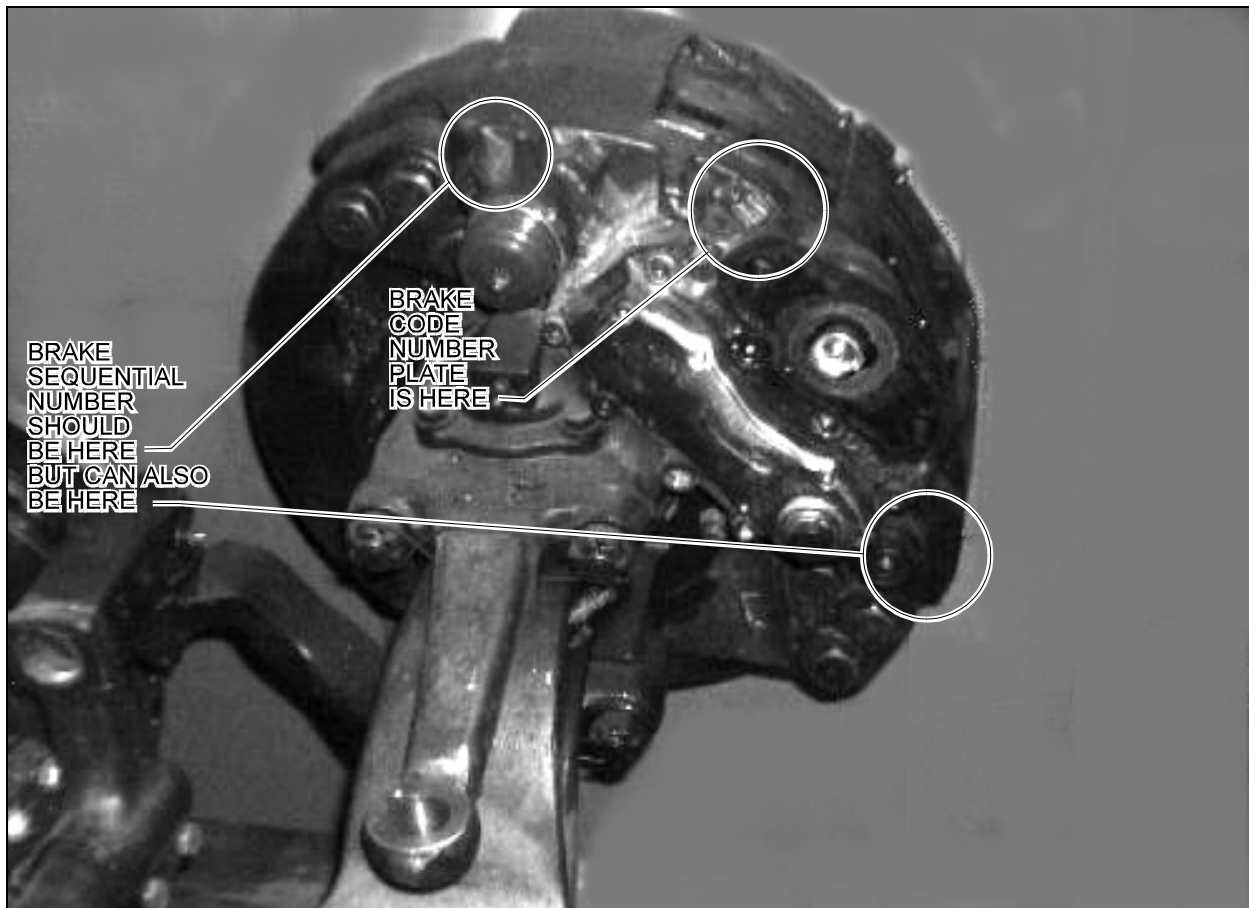


Figure 13

12031.WMF

NOTE: YOU MAY NEED TO SCRAPE PAINT OFF IN ORDER TO READ BRAKE CODE NUMBER.

TO MAKE UP BRAKE SERIAL NUMBER - ADD THE BRAKE SEQUENTIAL NUMBER EX: 50 (IN BRACKETS) AT THE END OF BRAKE CODE NUMBER EX: SB7594 9423 03 11/19738 = "SB7594 9423 03 11/19738(50)"

TEST FORM

COMPANY
NAME: _____

ADDRESS: _____

CONTACT: _____

TELEPHONE: _____

V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		

TEST FORM

V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		

TEST FORM

V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		
V.I.N. (COACH): _____		
	SERIAL NUMBER (BRAKE)	GAP
FRONT AXLE L.H. WHEEL		
FRONT AXLE R.H. WHEEL		
TAG AXLE L.H. WHEEL		
TAG AXLE R.H. WHEEL		