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Spring Brake Cylinder, Drive Wheel: Replacement 9700 (B13R)

MODEL YEAR(S) AND VEHICLE SERIAL NUMBERS (VIN) INVOLVED

NOTICE TO SERVICE CENTERS	
Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevest website.	
Model	VIN
Volvo 9700 us/can Model Year : 2015	  The following vehicles:
	3CET2V227F5170550
	3CET2V226F5171284
	3CET2V229F5171277
	3CET2V221F5171371
	3CET2V229F5171375
	3CET2V220F5171376
	3CET2V221F5171421
	3CET2V225F5171423
	3CET2V222F5171427
	3CET2V224F5171428
	3CET2V226F5171429
	3CET2V222F5171430
	3CET2V226F5171432
	3CET2V228F5171433
	3CET2V224F5169811
	3CET2V225F5170076
	3CET2V229F5170551
	3CET2V220F5170552
	3CET2V222F5170553
	3CET2V224F5170554
	3CET2V226F5170555
	3CET2V220F5171877
	3CET2V220F5171880
	3CET2V222F5171699
	3CET2V222F5171878
	3CET2V220F5171698
	3CET2V222F5171623
	3CET2V220F5171281
	3CET2V222F5171282
	3CET2V224F5171283
	3CET2V220F5171278
	3CET2V222F5171279
	3CET2V229F5171280
	3CET2V223F5171372
	3CET2V225F5171373
	3CET2V227F5171374
	3CET2V223F5171422
	3CET2V229F5171425
	3CET2V220F5171426
	3CET2V222F5171377
	3CET2V224F5171378
	3CET2V227F5171424
	3CET2V224F5171431
	3CET2V22XF5171434
	3CET2V227F5171620
	3CET2V229F5171621
	3CET2V220F5171622
	3CET2V224F5171879
	3CET2V225F5171700
	3CET2V22XF5171790
	3CET2V225F5171695
	3CET2V227F5171696
	3CET2V229F5171697
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.	

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DESCRIPTION

On the vehicles affected by this bulletin, the drive wheel parking brake cylinders need to be replaced due to a potential manufacturing issue that may influence the component during its lifetime.

MATERIAL

Order the following parts: Part No.	Description	Qty
3177336	Spring Brake Chamber 24/30 - Left-Hand Side	1
3177337	Spring Brake Chamber 24/30 - Right-Hand Side	1

Other parts or tools that may be required:

Part No.	Description	Qty
1592924	Test nipple (Volvo tool)	1
9992976	Connection nipple (Volvo tool)	1
3092337	Volvo disc brake grease (or equivalent)	1

NOTE

Material can be obtained through regular channels.

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop engine. In the battery box, set the battery cut-off switch to the OFF position prior to working on the vehicle.

1. Place chocks under the front wheels.

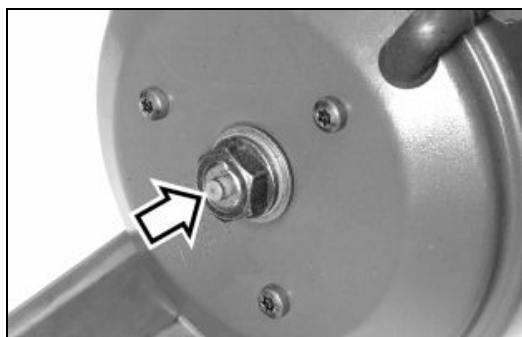
NOTE

Make sure that the parking brake is applied.

2. Connect external compressed air to the bus pneumatic system.

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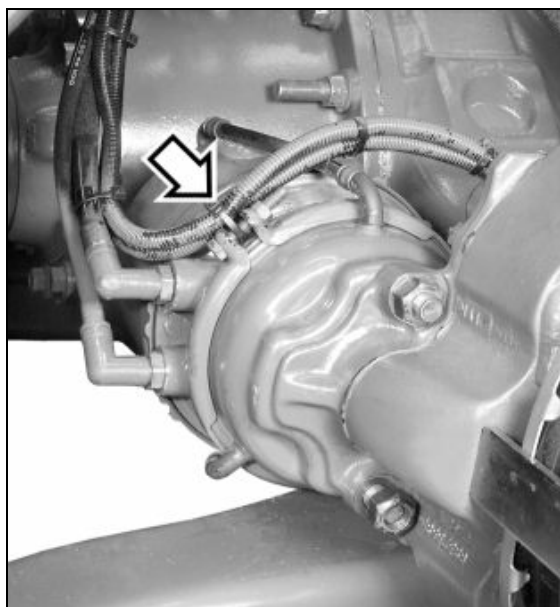
3. Release the vehicle parking brake.
4. Unscrew the relief nut on the spring brake cylinder so that the brake is completely released, approx. 45 turns.



DANGER

Do not use a nut runner or impact driver! Max torque 75Nm (55 ft-lb). The maximum torque is applicable to the release and compression of the parking brake spring.

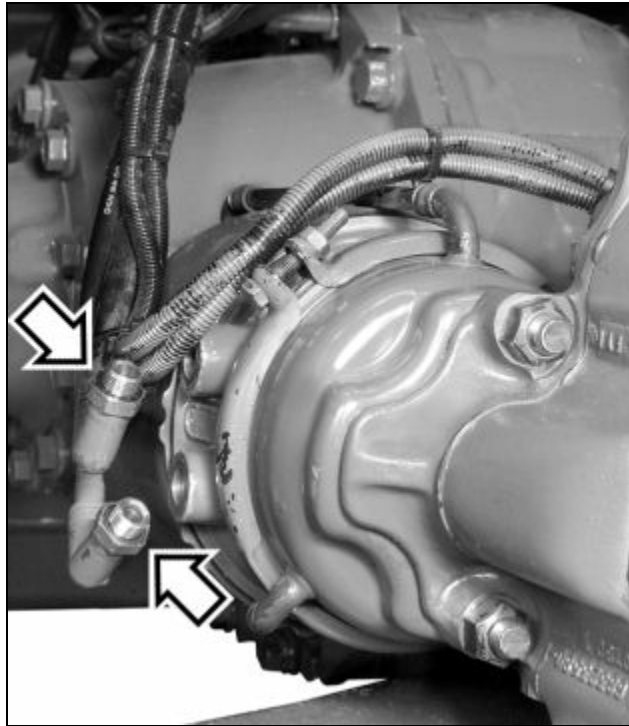
5. Remove the clamp that holds the wear and speed sensor cables on the spring brake cylinder.



6. Apply the vehicle parking brake.

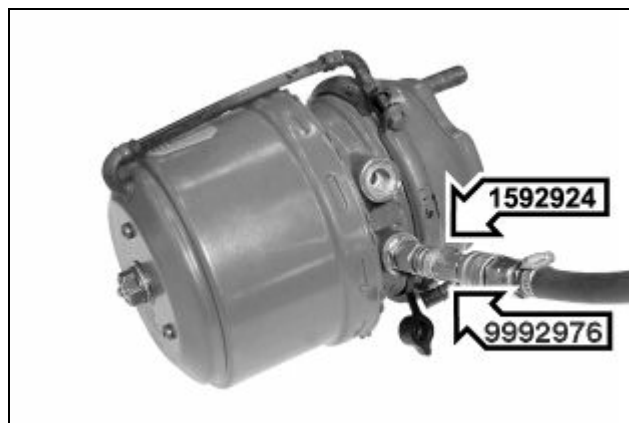
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7. Mark up and disconnect the brake lines on the spring brake cylinder.



8. Unscrew the two mounting nuts from the spring brake cylinder and remove it from the bus.
9. Connect a test nipple 1592924 to port 12 (parking section) on the new brake cylinder and connect connection nipple 9992976.

Fill with compressed air (hose adaptor may be required) and unscrew the relief nut on the new spring brake cylinder so that the brake is completely released, approx. 45 turns. Remove external air source and nipple.



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10. Lubricate the spring brake cylinder thrust pin with Volvo grease # 3092337 or equivalent disc brake grease. Fit the cylinder to the brake caliper. Tighten the nuts to $195 \pm 15\text{Nm}$ ($144 \pm 10\text{ ft-lb}$).

Screw the brake lines, *with new O-rings*, to the brake cylinder according to markings made earlier.
Note: Connector 11 for service brake, connector 12 for parking brake



11. Attach the sensor cables to the spring brake cylinder at the same point as when removed.

12. Release the parking brake and screw in the relief nut completely, approx. 45 turns.



DANGER

Do not use a nut runner or impact driver! Max torque 75Nm (55 ft-lb). The maximum torque is applicable to the release and compression of the parking brake spring.

13. Connect the vehicle to an external air supply. Apply the foot brake a few times. Check that the brakes release. Rotate the hub and check that it rotates freely.

14. Test the brake and check that there is no leakage at the hose connections or brake cylinder.

15. Apply the parking brake and remove the air hose and the wheel chocks at the front wheel

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PARTS / WASTE DISPOSAL

All replaced parts must be returned to Prevost according to the Return Shipping Instructions available on <https://www.prevostcar.com/content/warranty-documents> for full reimbursement. A copy of the warranty claim form must be enclosed with the shipment.

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevost's normal warranty. We will reimburse you the parts and two and a half (2.5) hours of labor upon receipt of a warranty claim. Please submit claim via our Online Warranty System, available at www.prevostcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Warranty Bulletin WB15-83".

OTHER

VBC Bulletin	TBC
Fail Code	12.5
Defect Code	09
Syst.Cond.	B
Causal Part	3177336

Access all our Service Bulletins on
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