

# Technical Journal



TITLE:

**Electronic Park Brake, Not possible to get brake caliper into service position**

REF NO:  
TJ 27500

ISSUING DEPARTMENT:  
Technical Service

CAR MARKET:  
United States and Canada

PARTNER:  
3 US 7510 Volvo Cars North America

ISSUE DATE:  
YEAR MONTH DAY  
2013 05 07

FUNC GROUP:  
5127

FUNC DESC:  
Brake caliper

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**“Fixed Right — First Time”**

## Attachment

File Name	File Size
TJ 27500 - 1.jpg	0.0220 MB

## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
124							2008-9999		0000001-	200720-999952
134							2011-9999		0000001-	201020-999952
135							2008-9999		0000001-	200720-999952
136							2008-9999		0000001-	200720-999952
156							2009-9999		0000001-	200835-999952

## CSC Customer Symptom Codes

Code	Description
PK	Parking brake/No/reduced/incorrect function
WS	Parking brake/Difficult to operate

## DTC Diagnostic Trouble Codes

## Text

**EPB = Electronic Parking Brake**

**PBM = Parking Brake Module**



## DESCRIPTION:

During replacement of the rear brake pads and/or rotors on vehicles equipped with an electrically operated parking brake, it is required to retract the brake caliper pistons into service position using a special command in VIDA.

Early analysis indicates that there could be 2 possible faults when performing this action:

### *Symptom #1:*

When you activate OR de-activate the service position with VIDA nothing happens.  
There is no sound from the brake calipers and/or their parking brake actuators.

This symptom could indicate a VIDA or PBM software problem.

### *Symptom #2:*

When you activate the service position with VIDA, the actuators are activated but the pistons of the caliper stay where they are and do not retract

This symptom could indicate that the pistons are stuck or seized in the caliper bore.

## PRODUCT MODIFICATION:

Root cause is under investigation.

## VEHICLE REPORT:

Yes, include how the problem was solved, and the condition of the brake pistons.  
Submit a TIE "Vehicle Report/THD" and use function group 5500.

## SERVICE:

### *Symptom #1:*

- Close the doors and lock the car.
- Wait at least one minute.
- Unlock the car and open door.
- Attempt the VIDA activation again
- It may be necessary to repeat these steps several times.
- It may also be needed to use the special EPB box, PN 9513014 (photo attached), to release the parking brake actuators. The tool will override the VIDA and PBM software commands.
- If necessary, repeat the procedure using the tool several times.

### *Symptom #2:*

If VIDA does activate the motors but the pistons will not move, then **gently** use a pry bar to help move the pistons to the required position.

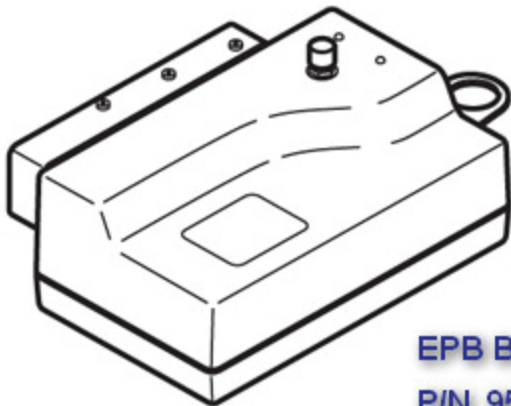
It may also be necessary to loosen the screws that hold the actuators in order to release the tension between the caliper and piston, or in case the piston is too far out from the caliper.

## Volvo Standard Times Guide (VSTG) OPERATION NUMBER:

96380-2 Troubleshooting parking brake      0.2hrs

**To view TJ attachment continue to next page: This TJ has 1 attachment.**

TJ 27500



EPB Box

P/N 9513014