

Product Model	Date	Number
X-431 Series	June,24 th , 2016	—

X-431 Test: 2007 Porsche Panamera, Solution for Brake Pad Clearance Out of Tolerance

Tested Model:

Porsche Panamera, 2007, VIN=WP0AA2979dl0*****



When replacing the brake pad, it prompts: Left actuator air gap: 2.747, right actuator air gap: 2.915, gap is out of tolerance, the value shall be between 1.9mm and 2.4mm.

Function Description:

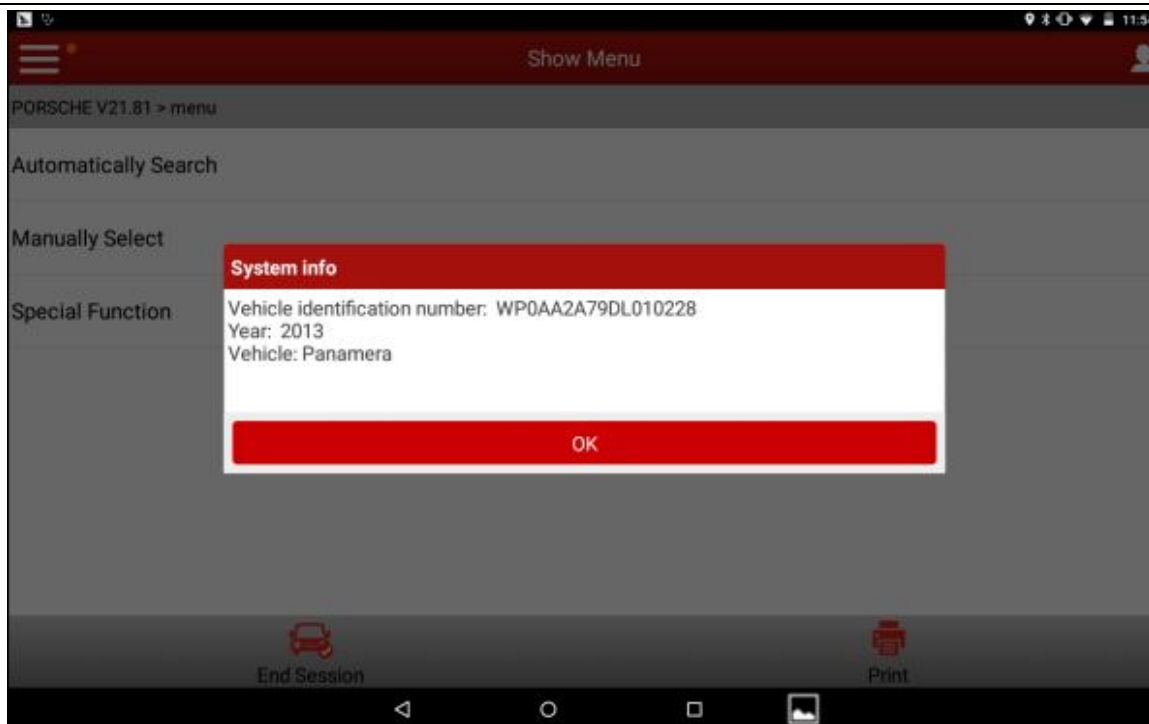
1. This function allows you to maintain the electronic parking brake system safely and efficiently.
2. Main functions include: Put the handbrake pad to the installation position, check the basic setting of the parking brake (check the gap of the handbrake pad), handbrake pad break-in and calibration.

Attentions:

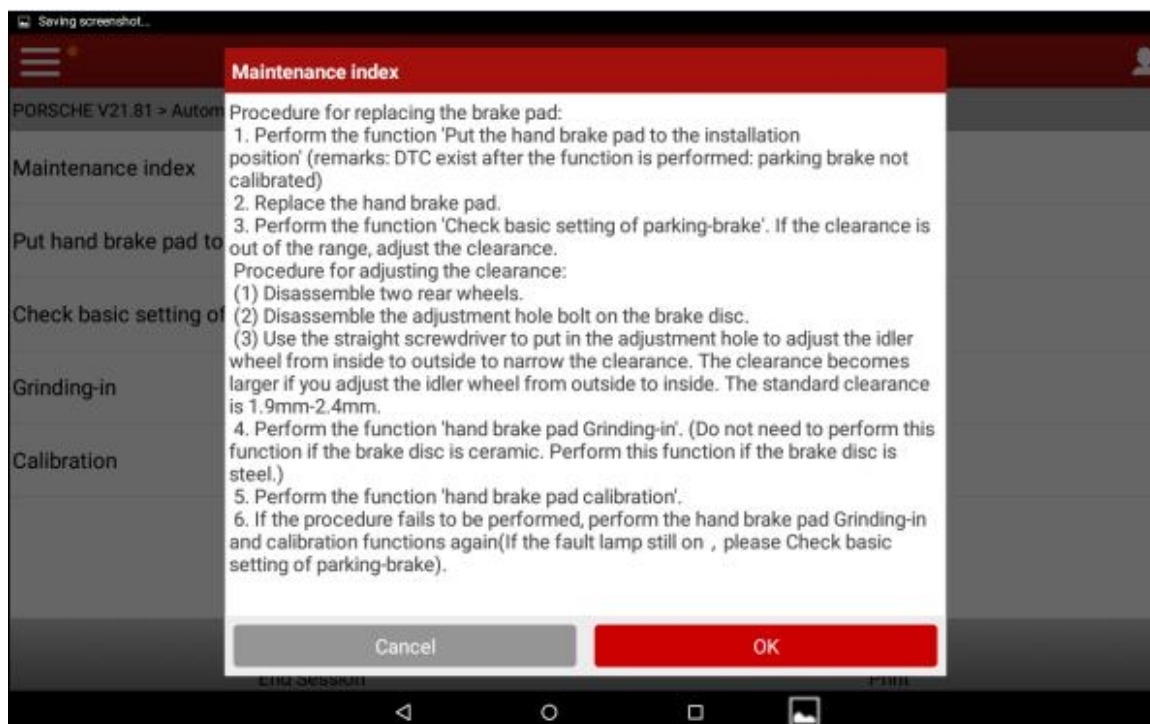
1. The procedure of replacing brake pad on Porsche Panamera must be strictly performed according to the requirement listed in the service index.
2. After the replacement of brake pad, check the basic setting of the parking brake. Check the gap of the handbrake pad (standard gap is 1.9mm-2.4mm). Continue if it is OK.
3. For the replacement of steel brake pad, calibration is performed only after the break-in.

Operation Procedure:

1. Select Porsche Version above V21.26.
2. Select automatic search.
3. Select system selection.
4. Select parking brake.
5. Select special function.

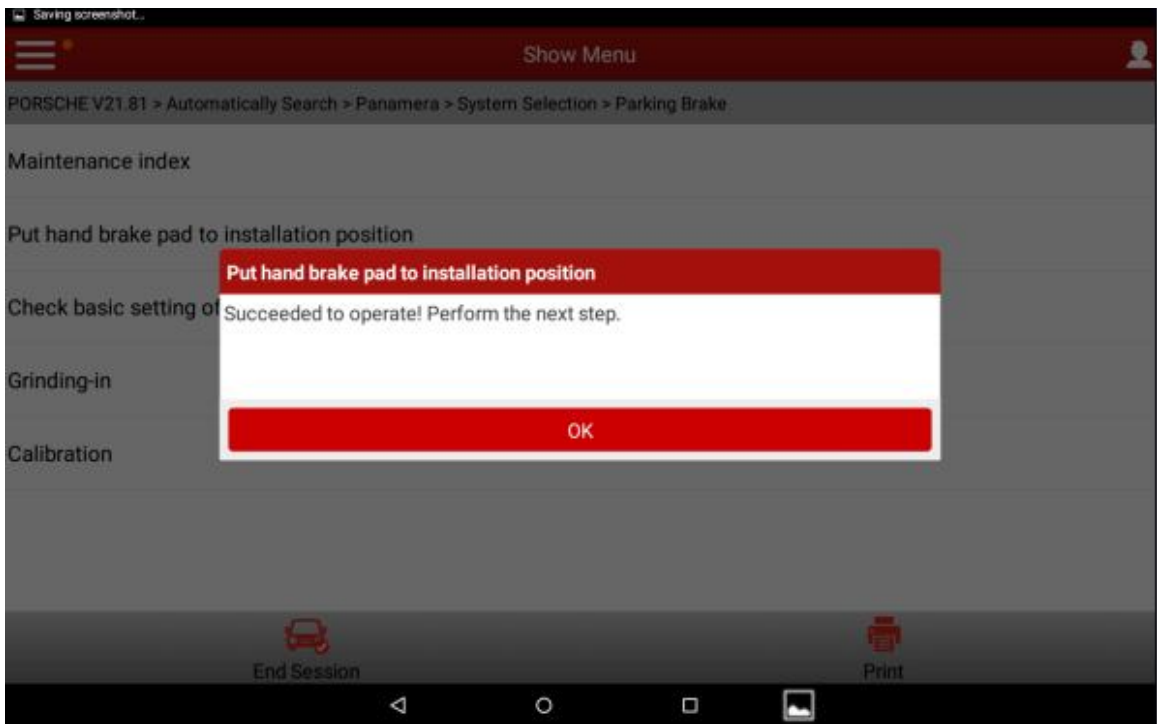
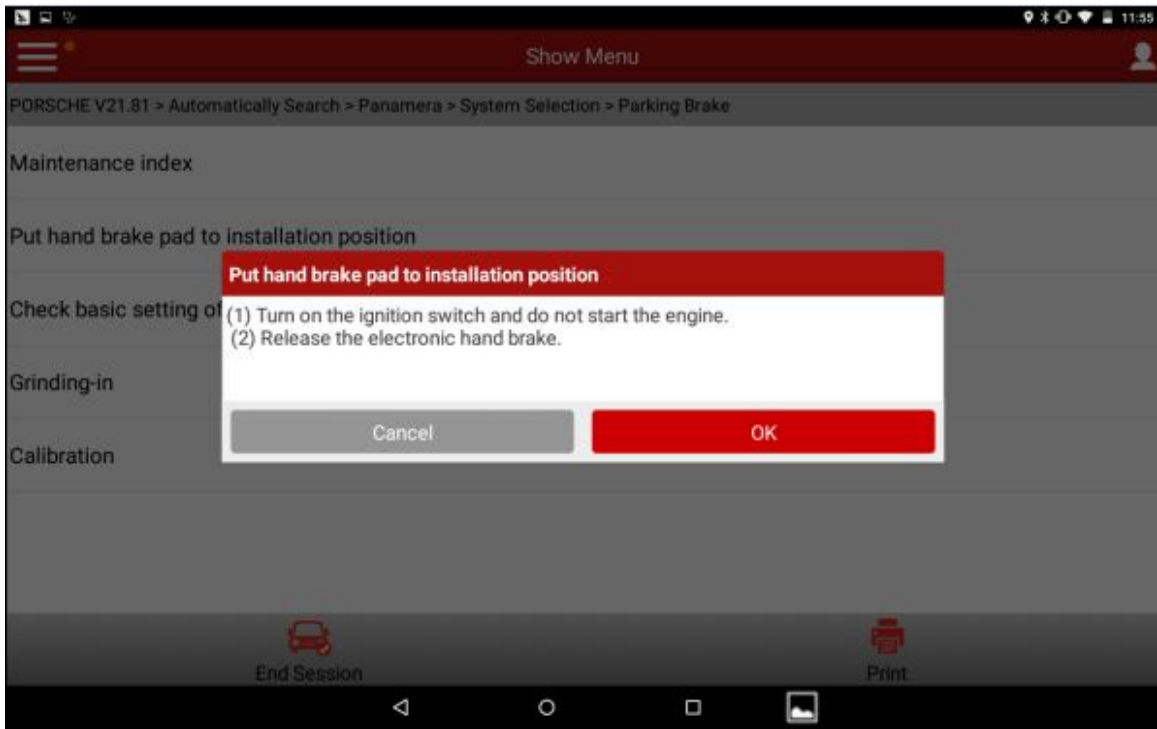


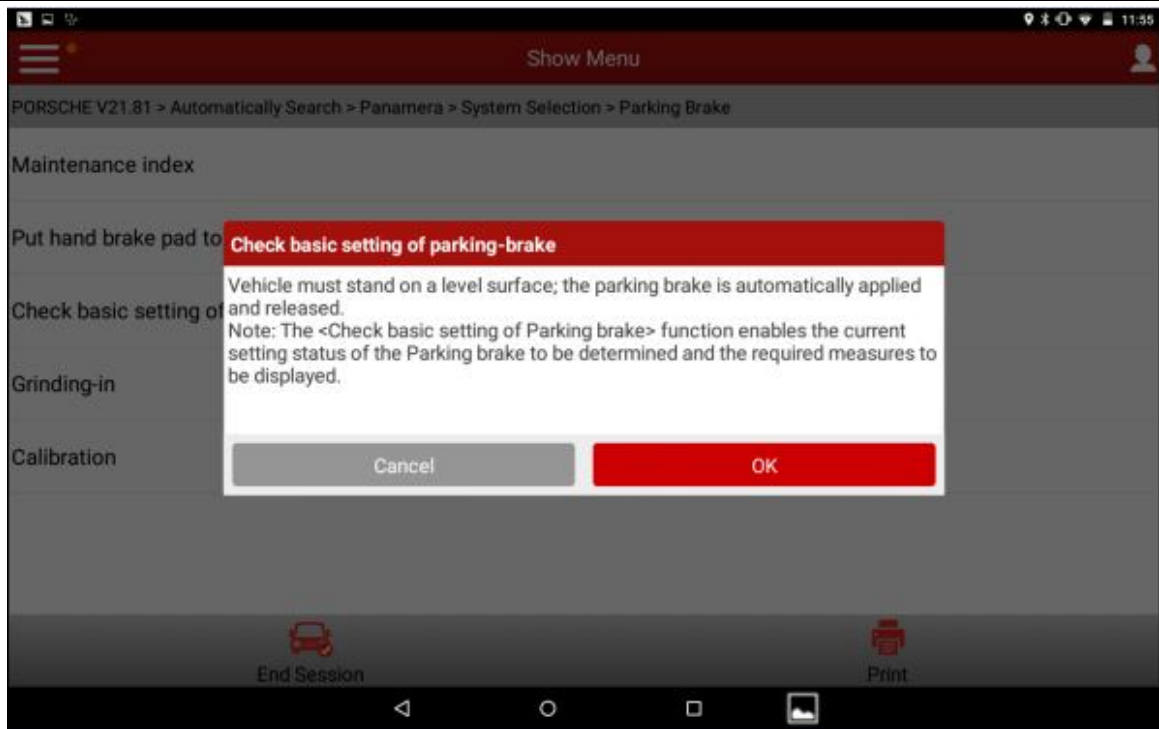
6. Select service index, read the index information.



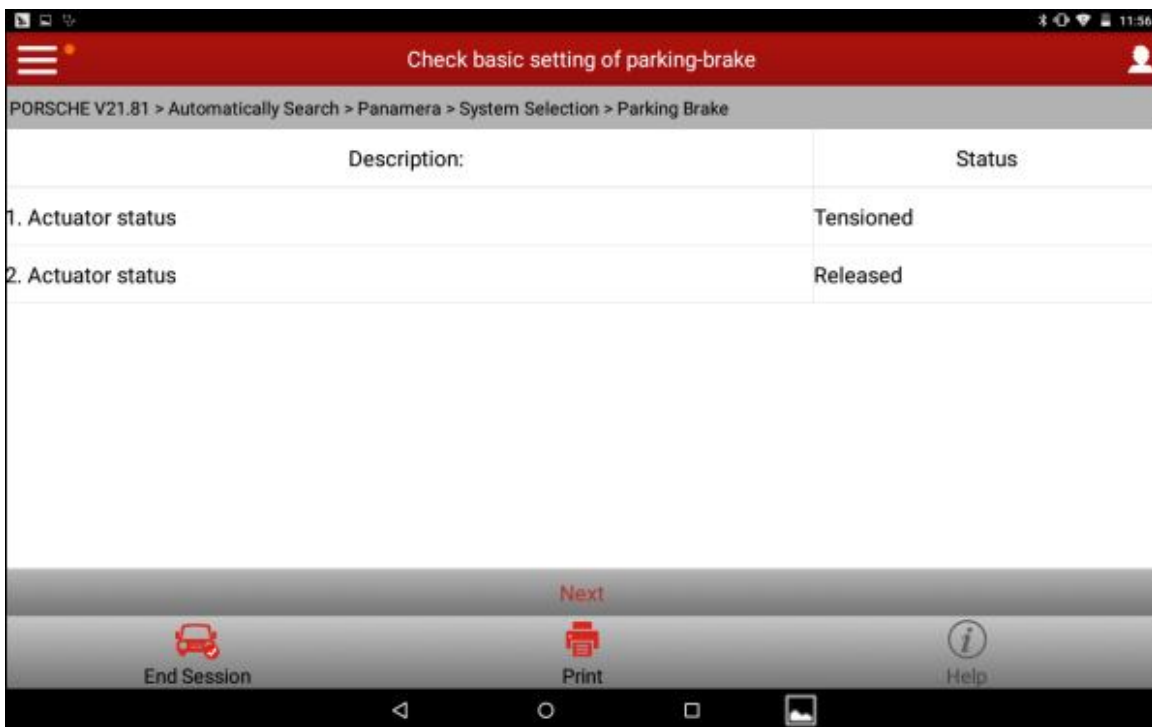
7. To replace the brake pad, select the function of "Put the brake pad to the installation position". After carrying out the function successfully as prompted, replace the brake pad.

8. After the installation of new brake pad, select the function of "Check the basic setting of parking brake".

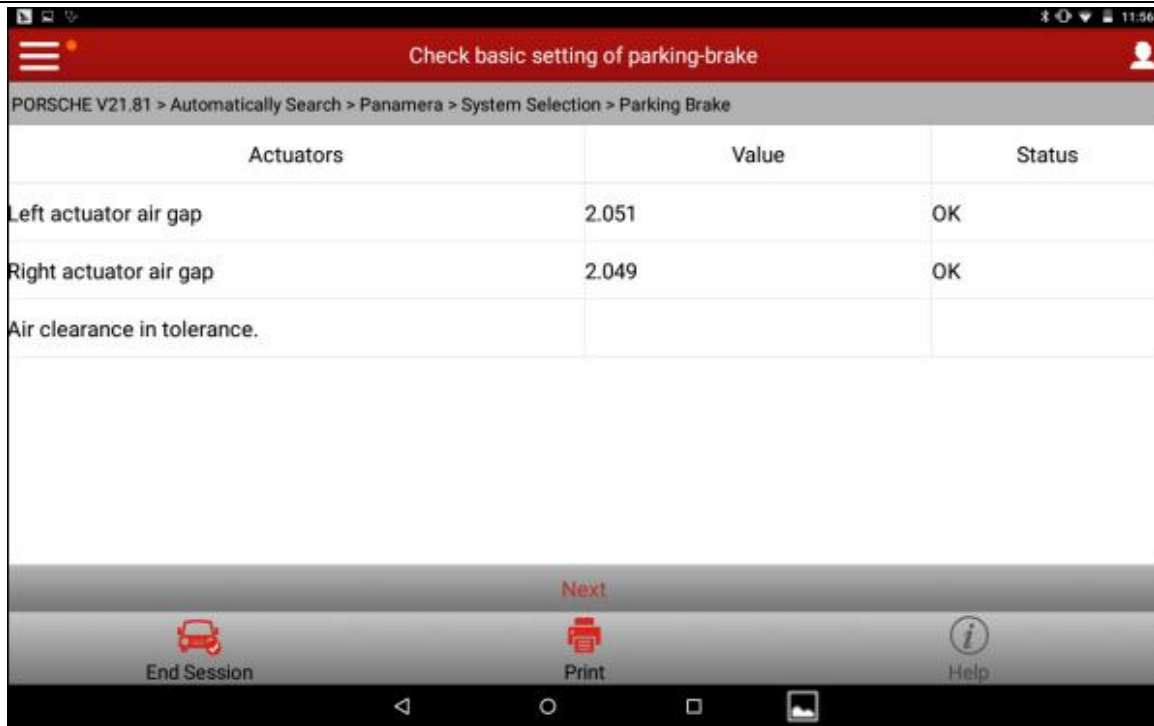




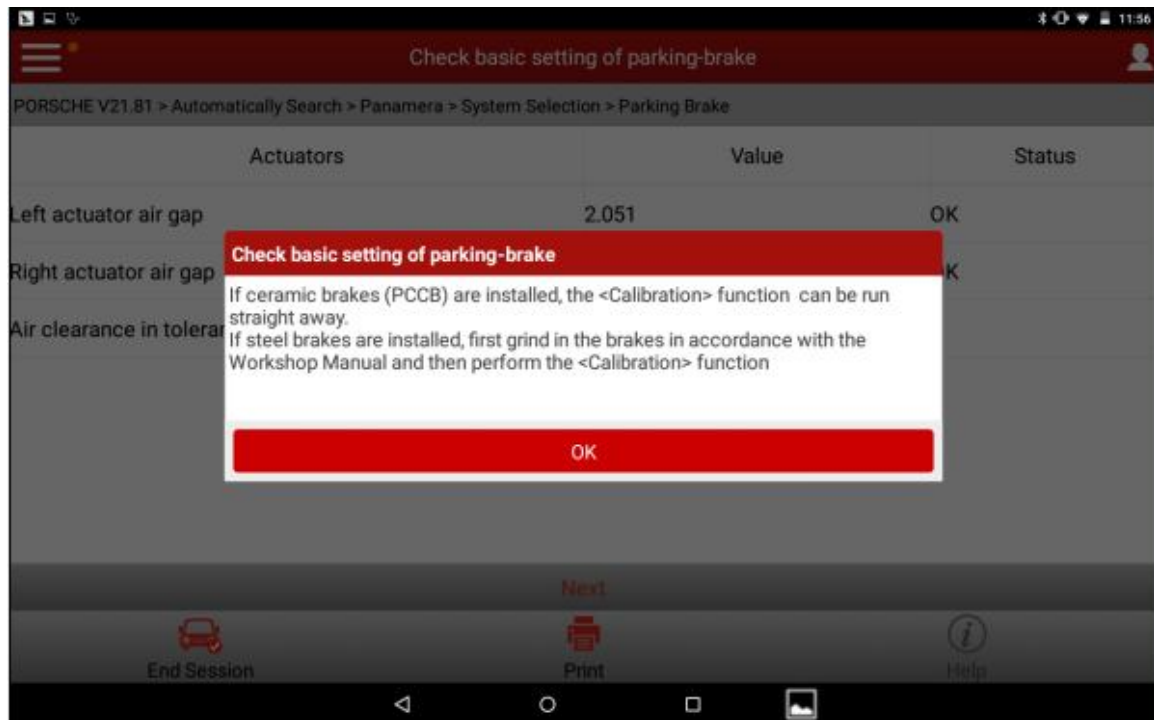
9. Click "OK" button, the actuator will strain and then release.



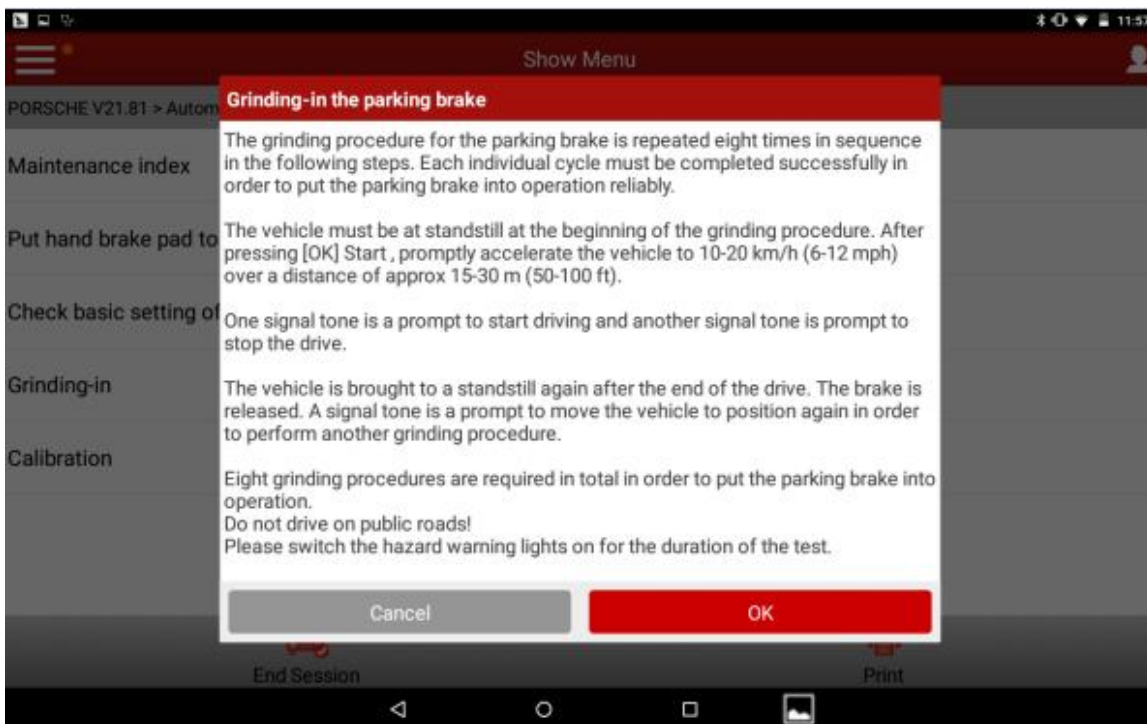
10. Click "Next" to check the gap of the brake pad, see Picture 5. Note, the standard gap for Porsche Panamera (as of 2011) is 1.9mm-2.4mm. If out of this range, please manually adjust it. When the value is out of tolerance, the status shows an exclamation mark. If the value is normal, the status shows a tick, see Picture 7.



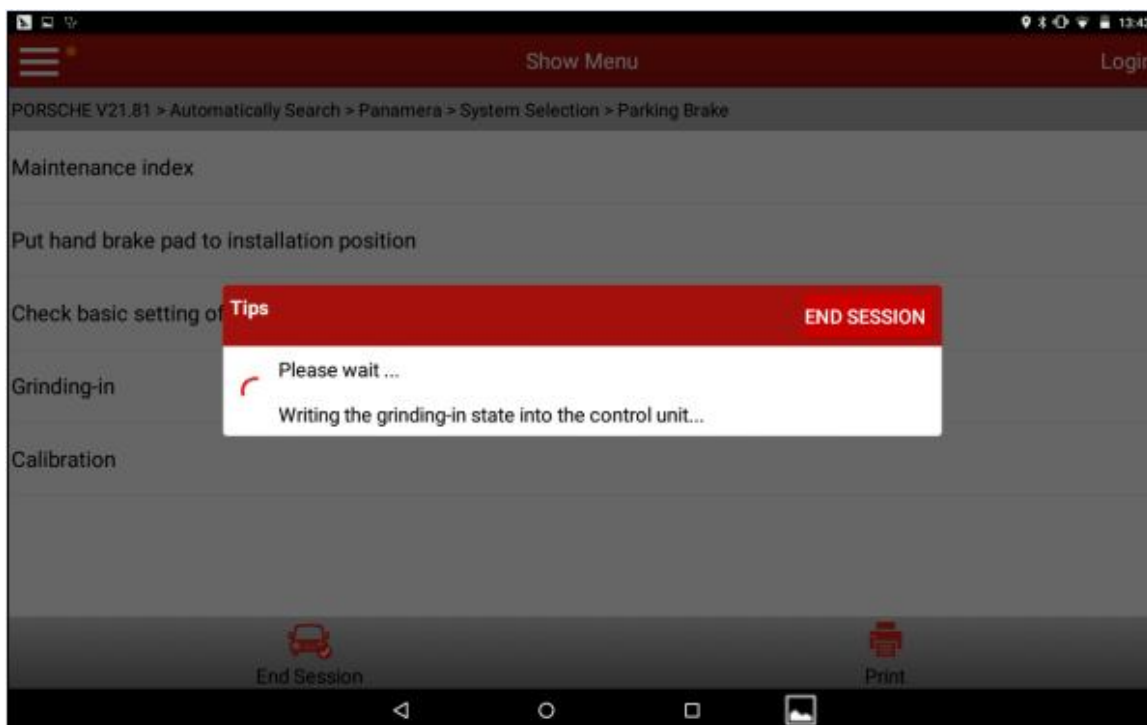
11. Click "Next" to complete the function of "Check the basic setting of parking brake".

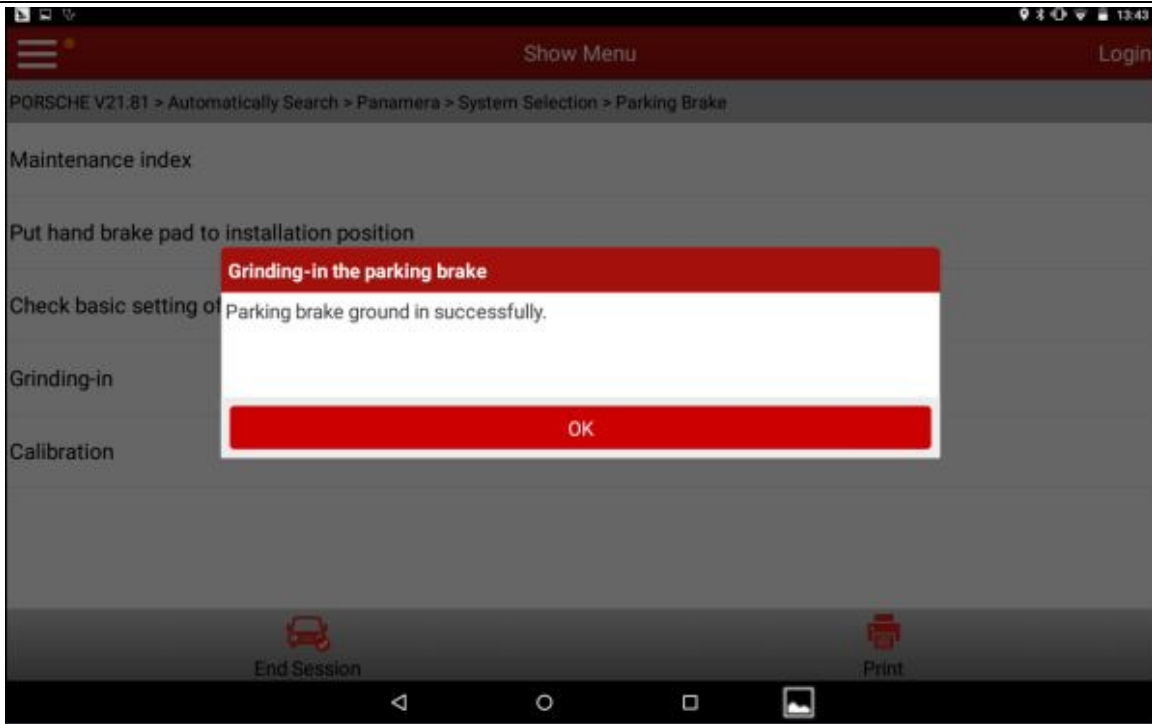


12. After adjusting the gap, select "Break-in" to run in the steel brake pad.

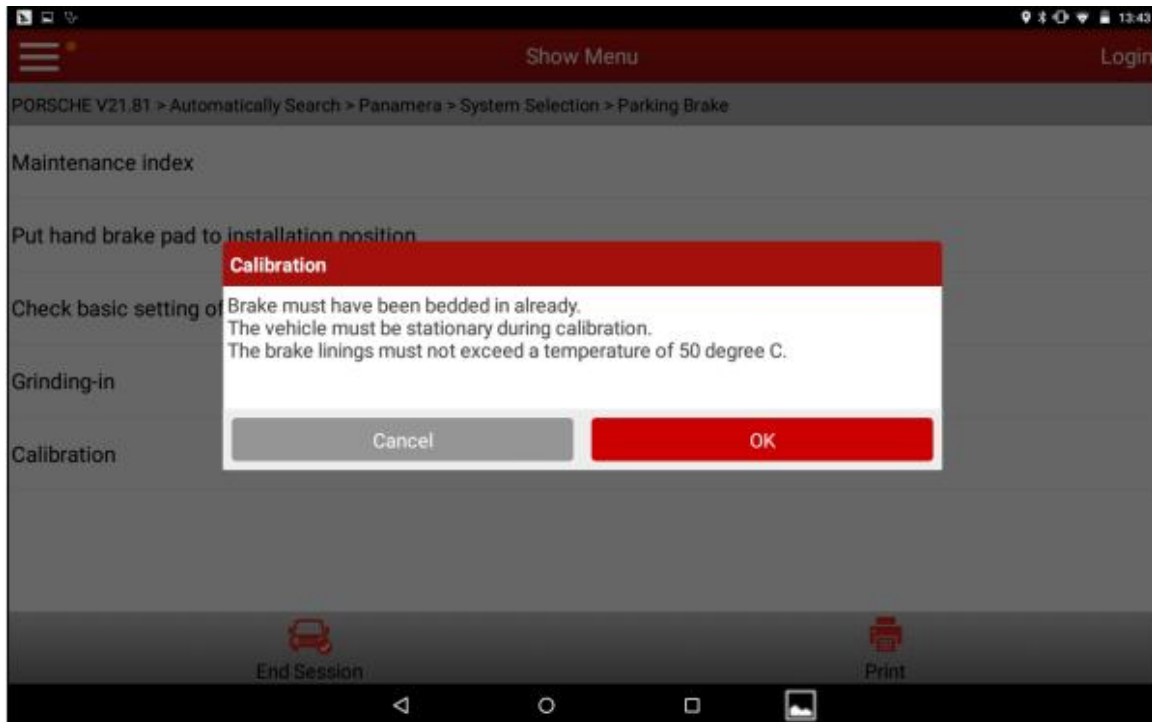


13. After the replacement of brake pad, perform break-in! This function equals to adaptive learning. The instrument panel will prompt "Parking system enters maintenance mode". This function requires one person to drive and another person to operate the decoder software. It also has strict requirement to the site. Be well prepared. According to the decoder software's prompt, after 8 times of correct operations of driving speed and time and stop time, the decoder software will prompt the break-in is successful and write into the control unit.

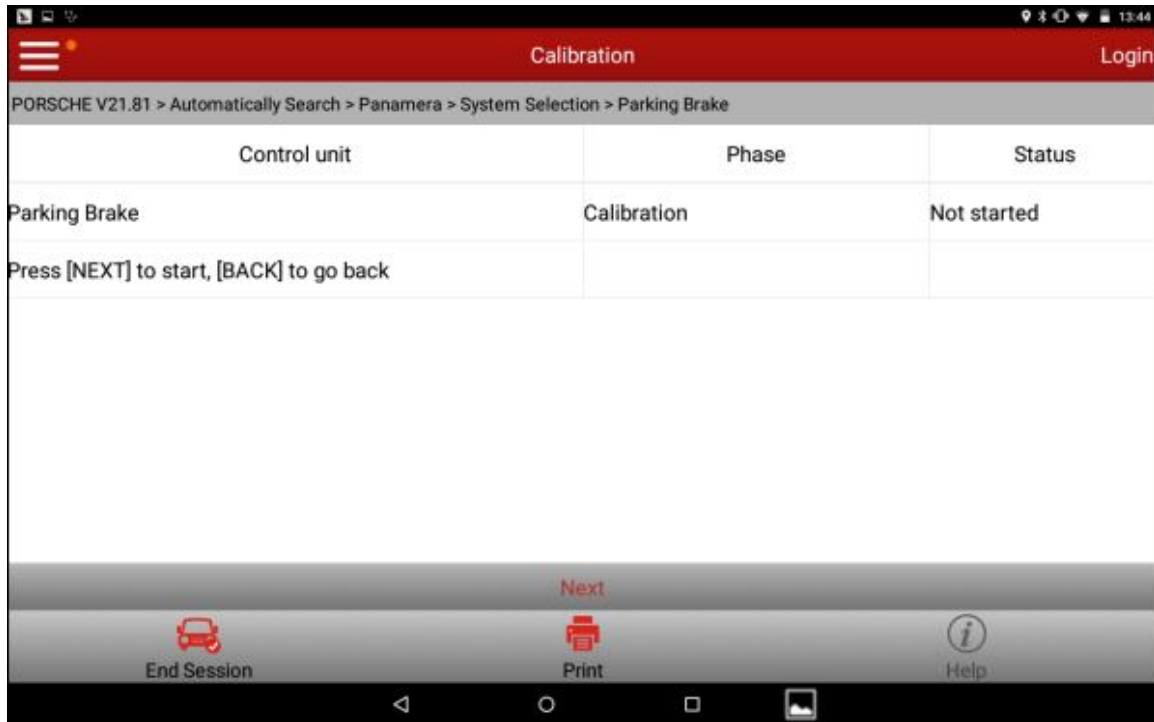




14. Select "Calibration".



15. After satisfying all the calibration conditions, click OK to perform the "Calibration" of the parking brake. When it prompts the calibration completed, the software operation of replacing the brake pad is completed.



16. Click "Next" to complete and exit. Turn ignition off and on again to test the vehicle. When everything is OK, the procedure of replacing brake pad is completed.