Product model	Date	Number:
X-431 Pro series	20160229	——

X-431 Pro Function: Operation Method for Brake Pad Replacement of Porsche Cayenne (2011-)

Function Description

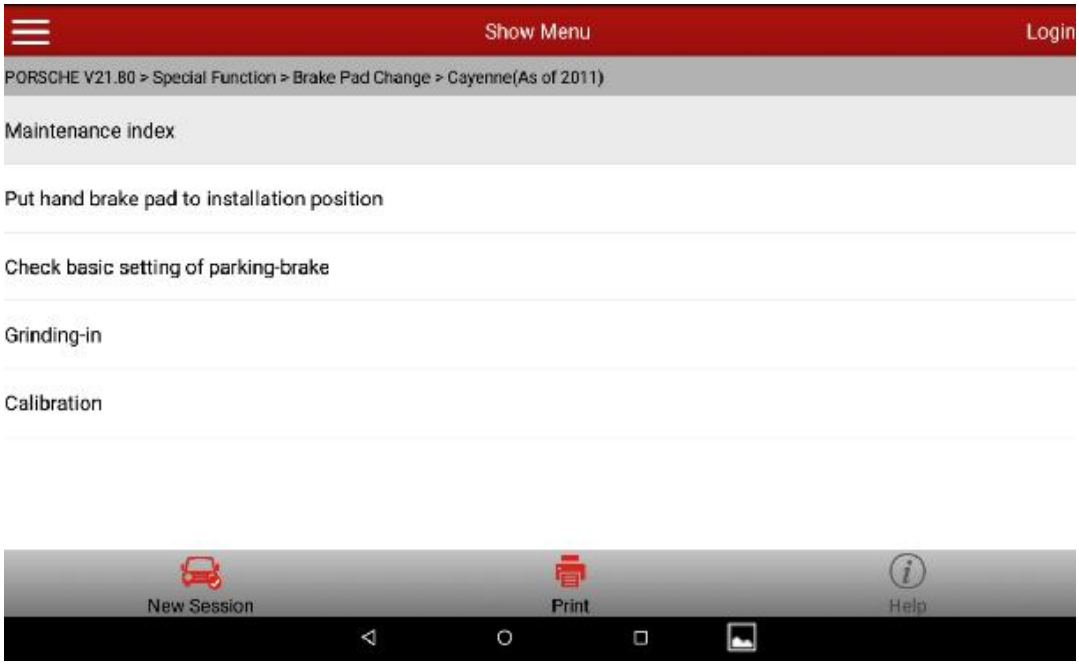
1. The function ensures the electronic parking brake system can be maintained safely and effectively.
2. The main functions include the operations of placing the brake shoe into the installation position, checking the basic settings of the parking brake (Check the gap of the brake shoe), and running in and calibrating the brake shoe, etc.

Precautions

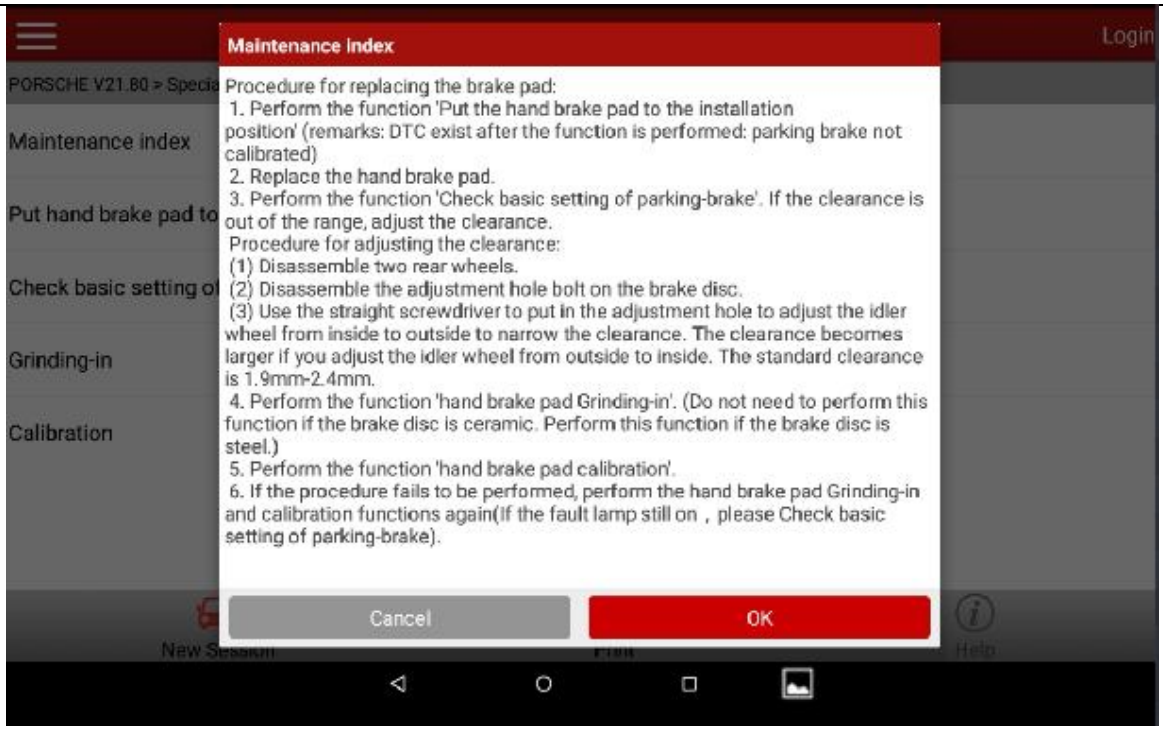
1. The procedures for replacing the brake pad of Porsche Cayenne must strictly follow the requirements in the maintenance index;
2. After replaced the brake pad, check the basic settings of the parking brake. Check the gap of the brake shoe (Standard gap 1.9mm-2.4mm), after it reaches the standard, then move on to the next step.
3. After replaced the steel made brake pad, firstly carry out the run in and then the calibration.

Operation Instructions

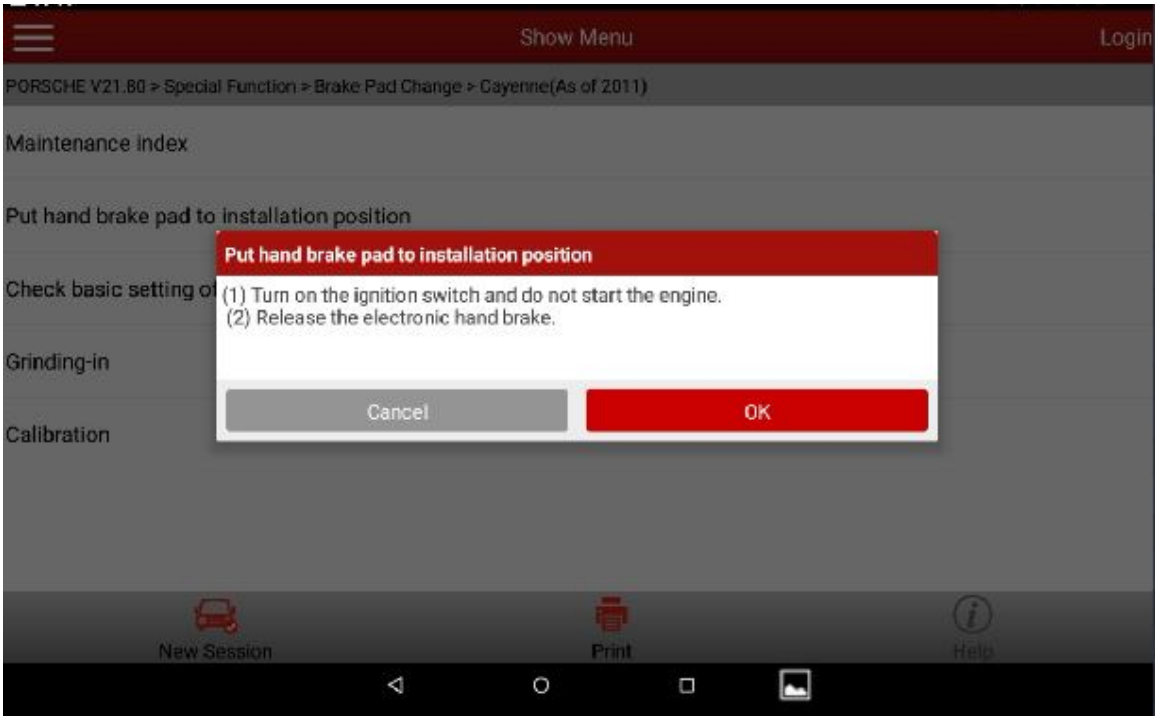
1. Select Porsche V21.51 or above;
2. Select the Manual Select Cayenne(2011-);
3. Select the System Select;
4. Select the Parking brake;
5. Select the Special Function;



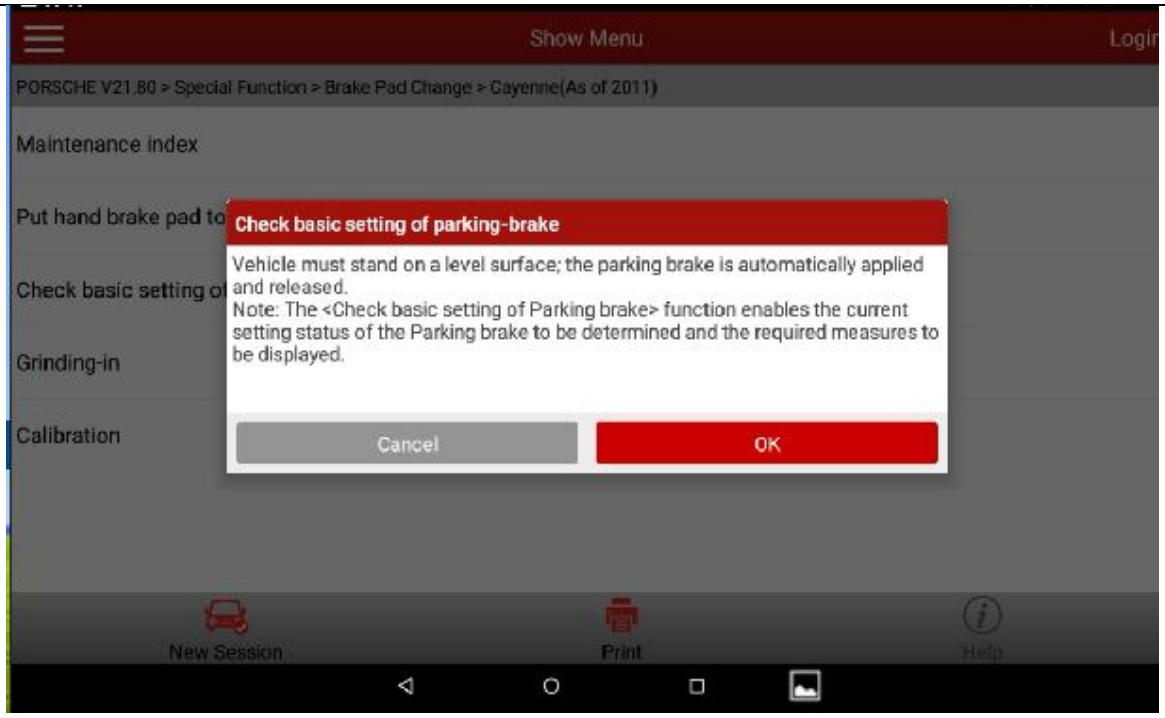
6. Select the Service index to read;



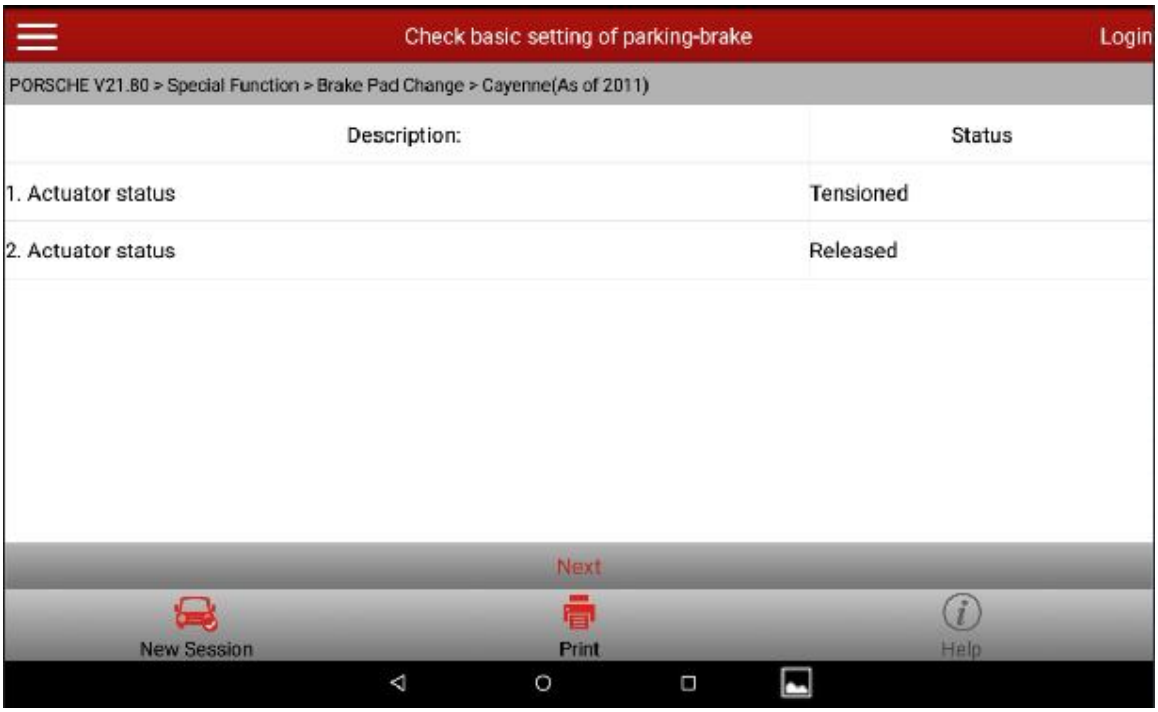
7. When it is required to replace the brake pad, select the function "Place the brake pad into the installation position", after successfully carry out the function according to the prompts, replace the brake pad.



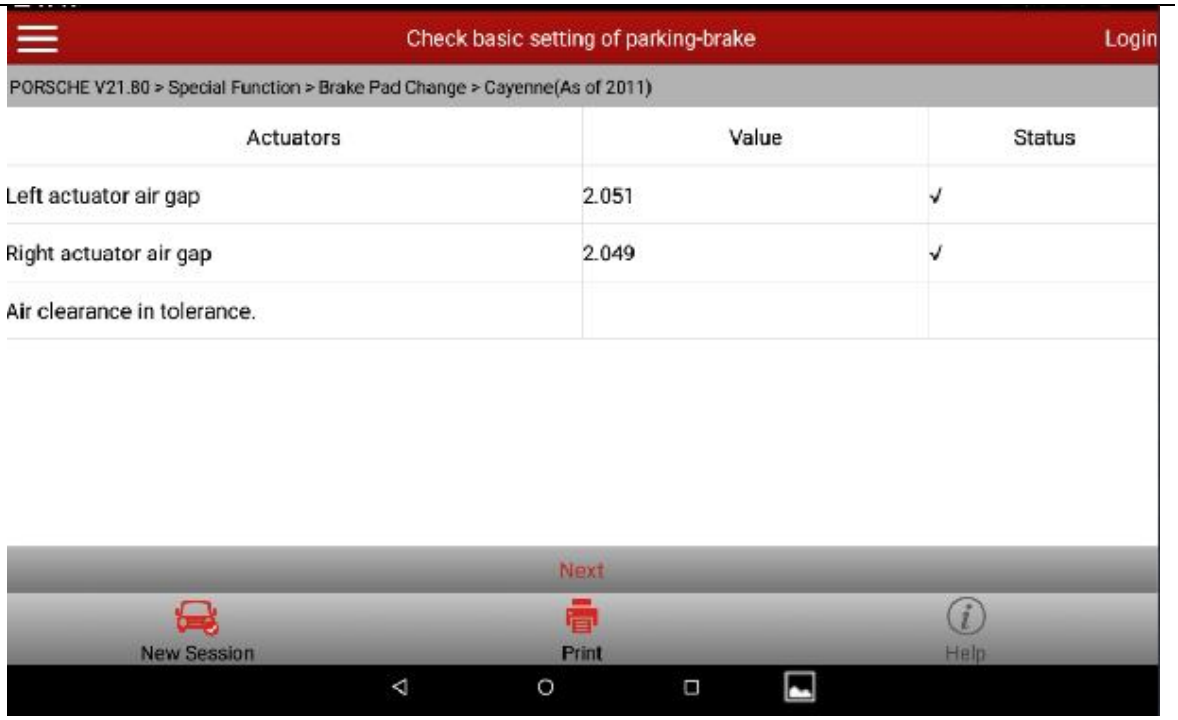
8. After installed a new brake pad, select the function "Check the basic settings of the parking brake";



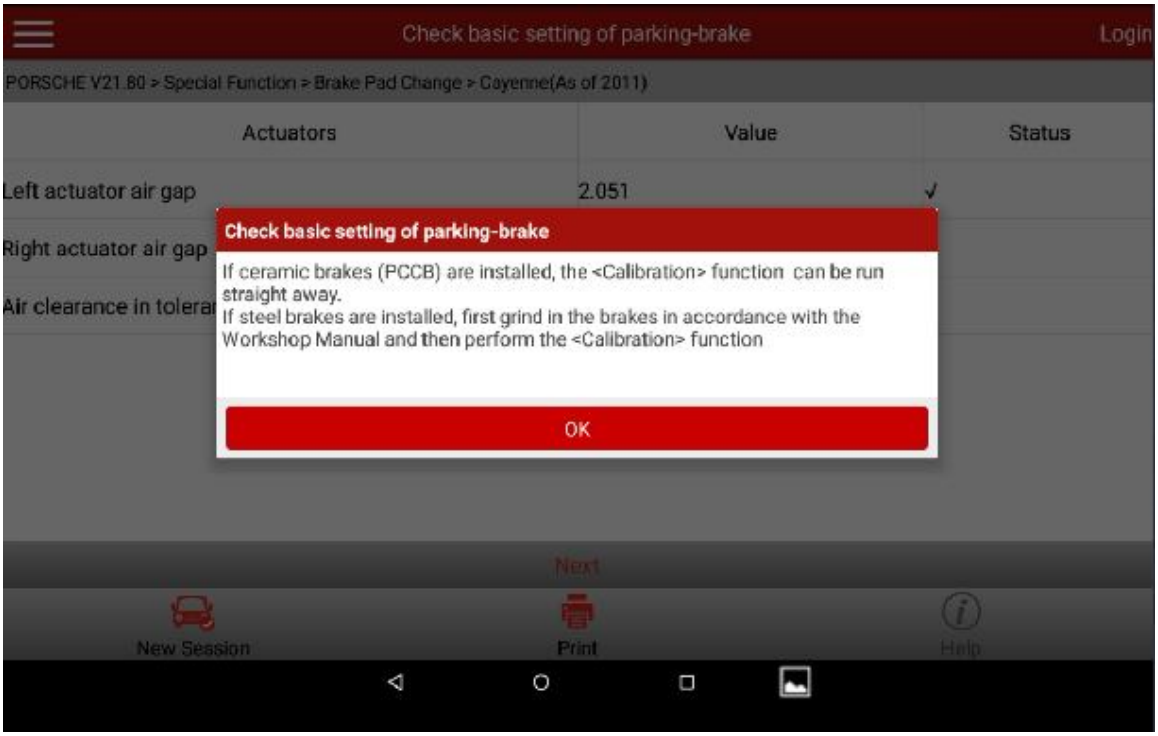
9. After clicked the Confirm button, the actuator will complete a process from the application to the release;



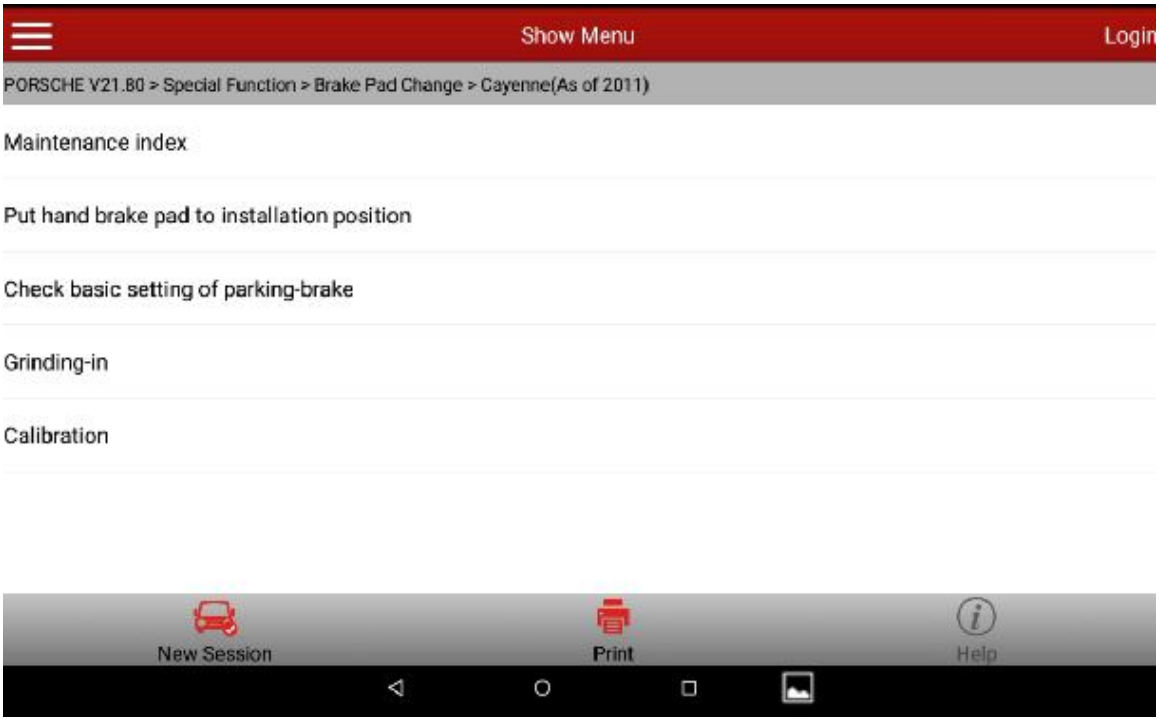
10. Click "Next step" to check the gap of the brake pad. Notice: The standard gap of Cayenne (2011-) is 1.9mm-2.4mm. If the gap is outside the range, please manually adjust it;



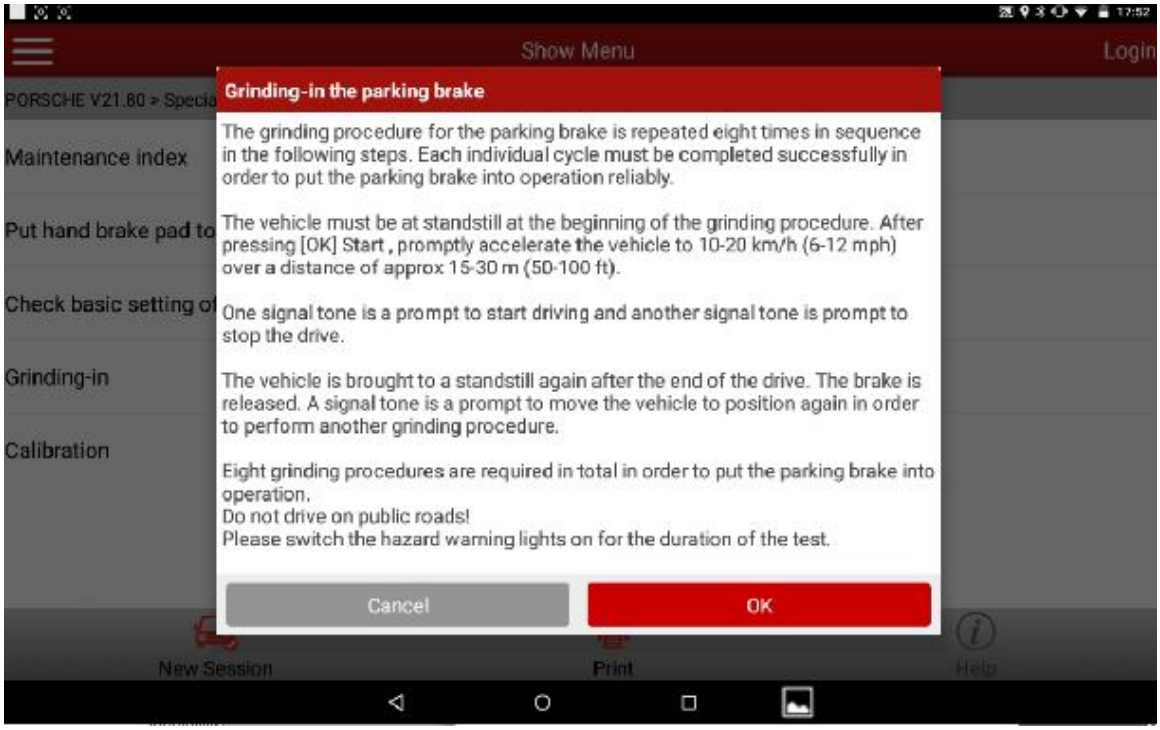
11. Click "Next step" to complete "Check the basic settings of the parking brake" function;

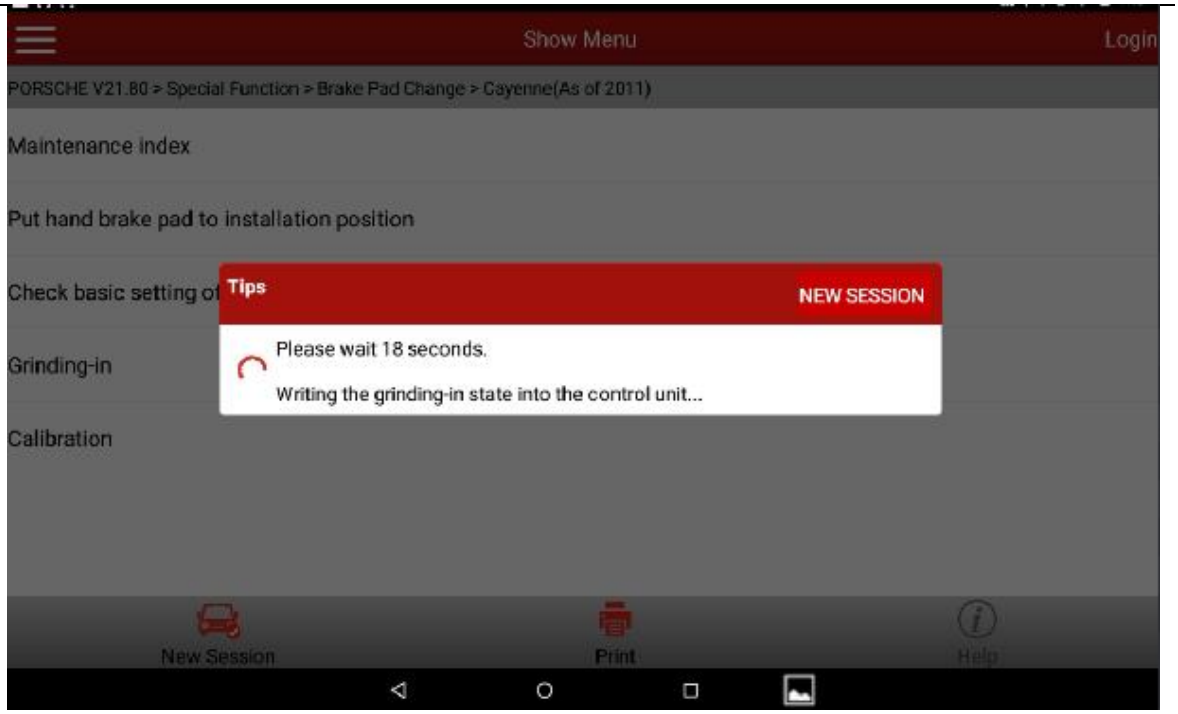


12. After adjusted the gap, select the "Grinding in" function to run in the steel made brake shoe;

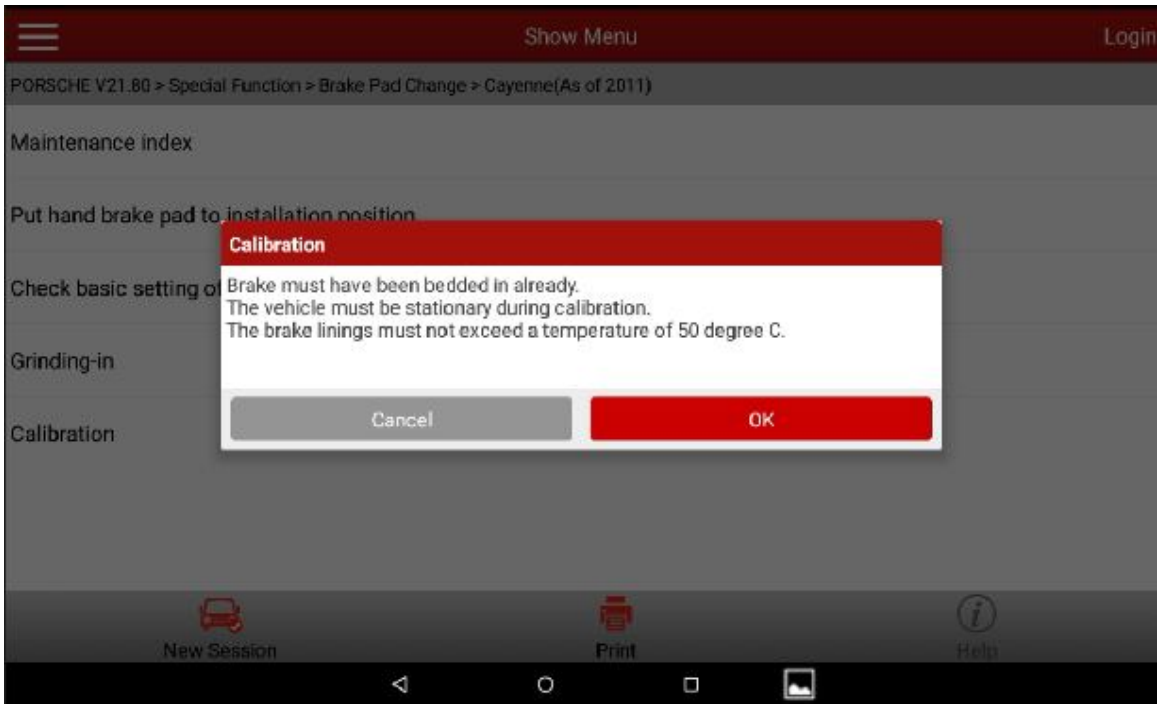


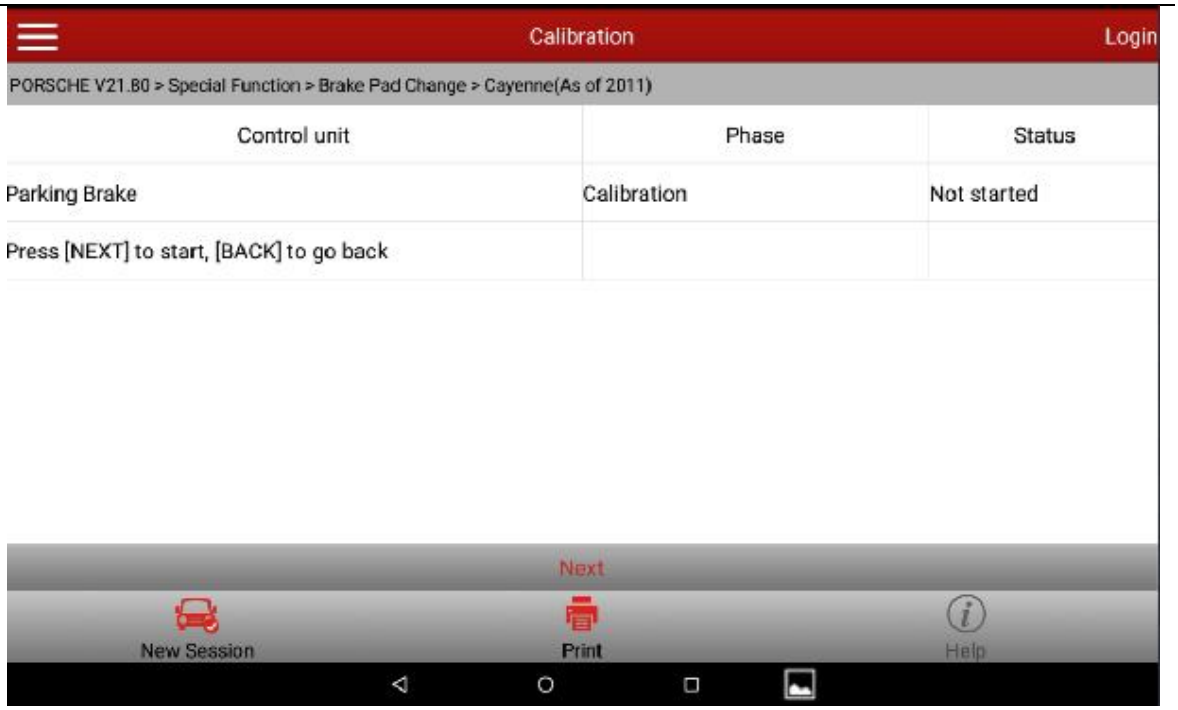
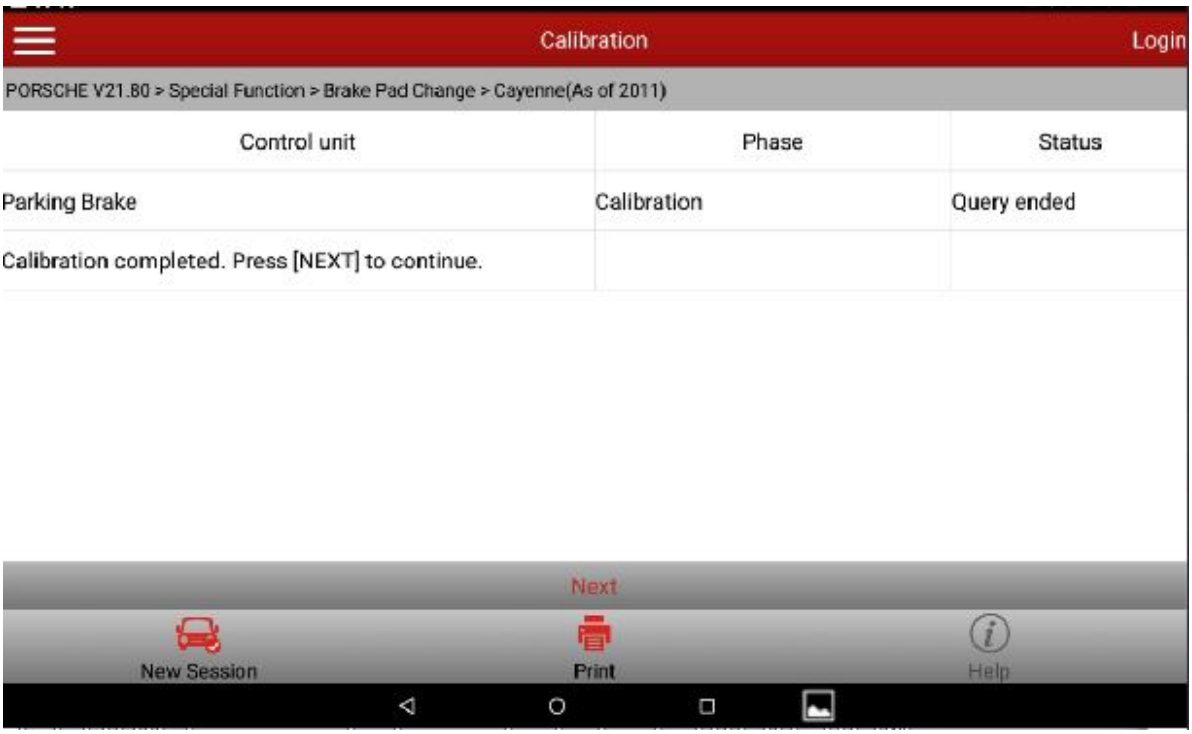
13. After replaced the brake pad, the Grinding in must be carried out. This function is equivalent to the adaptive learning, the instrument panel will prompt the "Parking system enters into the maintenance mode", this function requires the drive test and repeats eight times with one person driving and one person operating the software, which has strict requirements on the site condition, and the operator must be fully prepared. Only when the eight run-ins successfully completed can the "Calibrate" function be carried out;





14. Select the "Calibrate" function;





15. After the calibration conditions have been fulfilled, click Confirm to carry out the "Calibrate" function of the parking brake. After it indicates the calibration is completed, the software operation of the brake pad replacement service is completed.