



# SP Diagnostics

Innovators & Manufacturers of  
Automotive Diagnostics

Tel: 0844 561 7861  
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## 1414 - VAG ELECTRONIC PARK BRAKE SERVICE & CONFIGURATION TOOL

### Please read this information carefully before using your new VAG EPB tool

Thank you for purchasing your updateable VAG Electronic Park Brake Service and Configuration Tool. We at SP Diagnostics believe that you will have many years of successful business as a result of your investment and it is our aim to ensure that you will remain as up-to-date as possible. Please refer to these instructions when using the tool, if you experience any difficulties then please contact the technical help line on the number below:

### TECHNICAL HELP LINE NO. 0844 561 7861

Please register your product with SP Diagnostics by completing the registration card that came with your product. (please remember to affix stamp before posting), you will also be able to register your product on-line by selecting the following link: [www.spsupport.com](http://www.spsupport.com)  
By registering your product you can take advantage of the following:

- SP Diagnostics product and technical updates via email
  - SP Diagnostics will keep you up to date with new products, special offers and technical information
- Notification of application updates for your new VAG EPB tool
  - Your new VAG EPB Tool is now updateable. When updates are available notifications will be sent to all registered user and a posting will be made on the SP Diagnostics support website [www.spsupport.com](http://www.spsupport.com)
  - Just post your product to SP Diagnostics Customer Services using the form at the back of these instructions for a low cost update.

### Updating your EPB Tool

When you receive a notification of an update, please fill in the form attached and return your product together with a cheque for the update fee by recorded delivery using the address on the form.

We are always keen to hear back from customers regarding our products, and what you would like to see included. If you have any specific thoughts, please feel free to contact our Technical Support Help line on **0844 561 7861** and discuss them with the team. Also, don't forget to log in to the **SP Diagnostics Support Forum** where you can share experiences and ask questions to SP Diagnostics technical staff and other SP Diagnostics customers. Check the **SP Diagnostics Support** website [www.spsupport.com](http://www.spsupport.com) for regular updates and product news.

### Training

SP Diagnostics can provide access to several training courses. Please contact customer services on **0845 6016510** for details.

## Features:

- Compatible with latest CAN vehicles
- Enable service and repair functions to be carried out on EPB systems
- Updateable (return back to SP Diagnostics)
- Passat, A6 and A8 Including Tilt Angle Calibration

The new EPB tool has been created to allow our users to service and replace brake pads and components used in the new Electronic Parking Brake systems which have been introduced over a range of VAG vehicles.

## VAG EPB Functions

### *Open Calipers – A6/A8/Passat*

With the EPB Tool the calipers can be retracted allowing the brake pads to be removed for service. This also provides assistance in fitting new Park Brake motors, brake calipers and disks as well as replacing wheel hubs because the calipers are safely retracted out of the way releasing the braking components.

### *Close Calipers – A6/A8/Passat*

After servicing, the calipers can be advanced to the original position without any changes to the current calibration being effected.

### *Basic Setting – A6/A8/Passat*

This will allow the brake system to cycle fully 3 times to check operation.

### *Open Caliper And Change Pads - A8*

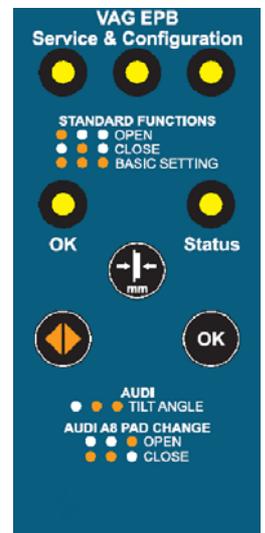
If new pads are fitted then the wear indicator needs to be initialised using this process.  
Note: the new pad thickness needs to be measured as part of this process.

### *Close Calipers After Pad Change - A8*

After servicing the brakes and replacing the pads the measured depth of the pads needs to be entered in to the vehicle using this command.

### *Tilt Angle Calibration – A6/A8*

If required the Tilt Angle can be re-calibrated.



## VAG EPB User Instructions



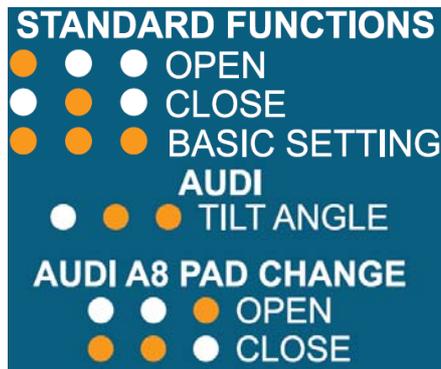
**Function Select Button:** Scrolls through the various function options.



**Pad Size Set Button:** Selects the Pad Size in mm which is displayed by the Status LED.



**OK Button:** Confirms the option as displayed by the LED's and is used to confirm different stages of the process.



**Function LED key:** for selecting desired option.

### Vehicle Set-Up

- i) Ensure vehicle ignition is turned off.
- ii) Using the application list and socket location diagrams below, connect the EPB tool to the identified diagnostic socket.
- iii) Turn on the vehicle ignition.

### Important Note

It may be necessary to manual push the piston back in to the caliper when the OPEN process has completed. This should be done carefully ONLY after the OPEN process has been carried on fully. The piston is not physically connected to the Park Brake Motor and therefore is not always carried back in to the caliper during the wind back process. This is not a fault with any equipment or the vehicle and is perfectly normal.

## Standard Function – OPEN Command



1. Switch Ignition '**ON**'
2. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED is illuminated. In this case '**OPEN**'.

3. Ensure the Park Brake is released.
4. Press '**OK button**' and the pistons can be heard retracting (The selection LED will flash during this process).

5. Once the process has finished the '**OK**' light will flash.

*"Wait until the '**OK**' light flashes and the calipers stop moving before carrying out any work on the braking system!"*

The EPB light will flash constantly while the pistons are retracted.

## Standard Function – CLOSE Command



1. Switch Ignition '**ON**'
2. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED is illuminated. In this case '**CLOSE**'.

3. Press '**OK button**' and the pistons can be heard advancing (The selection LED will flash during this process).

4. Once the process is complete the '**OK**' light will flash.
5. Switch the ignition off for a few seconds and then back on.
6. Press and hold the brake pedal and then operate the Park Brake button on the car.
7. The procedure is now complete.

## Standard Function – BASIC SETTING Command



1. Switch Ignition '**ON**'
2. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED's are illuminated. In this case '**BASIC SETTING**'.
3. Ensure Park Brake is released.
4. Press '**OK button**' and the pistons can be heard opening and closing 3 times (The selection LED's will flash during this process).
5. Once the process has finished the '**OK**' light will flash.
6. The procedure is now complete.

## AUDI – TILT ANGLE Command



**Before carrying out this function make sure the vehicle is level in the direction of travel, the vehicle must not be shaken or moved during this process.**

1. Switch Ignition '**ON**'
2. Ensure Park Brake is released.
3. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED's are illuminated. In this case '**TILT ANGLE**'.
4. Press '**OK button**' and the selection LED's will flash. After about 2 seconds without movement the setting is saved and after a further 12 seconds the process is complete.
5. Once the process has finished the '**OK**' light will flash.
6. The procedure is now complete.

## AUDI A8 – OPEN COMMAND WHEN CHANGING PADS



1. Switch Ignition '**ON**'
2. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED is illuminated. In this case '**OPEN**'.

3. Ensure the Park Brake is released.
4. Press '**OK button**' and the pistons can be heard retracting (The selection LED will flash during this process).

5. Once the process has finished the '**OK**' light will flash.

*"Wait until the '**OK**' light flashes and the calipers stop moving before carrying out any work on the braking system!"*

The EPB light will flash constantly while the pistons are retracted.

6. Measure the thickness of the new / used pads, excluding back plate. The value will be between 3mm and 14mm. Make a note of the smallest value of the set for use in the '**CLOSE**' procedure.

## AUDI A8 – CLOSE COMMAND WHEN CHANGING PADS

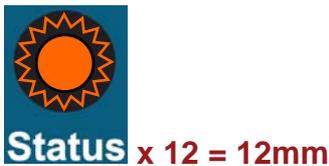
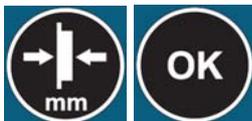


1. Switch Ignition '**ON**'
2. Select '**Mode**' by toggling the '**Function Select**' button until the Required Mode LED is illuminated. In this case '**CLOSE**'.

3. Press '**OK button**' and the pistons can be heard advancing to the correct position (The selection LED will flash during this process).



Select value between 3 and 14mm



4. Once the process has finished the 'OK' light will flash.

5. Wait until the 'STATUS' light flashes, switch off the ignition for a few seconds and then back on.

6. Press and hold the brake pedal and then operate the Park Brake button on the car.

7. Press the 'OK' button and then the 'STATUS' light will flash out the *Current* stored pad thickness.

8. Press the 'PAD SIZE' button to increment this value and press the 'OK' button so the 'STATUS' light will flash out the *New* pad thickness.

*"If this is not correct use the 'PAD SIZE' button to change this and again press the 'OK' button so the 'STATUS' light will again flash out the New pad thickness."*

9. When happy with the selected and indicated value press the 'OK' button to save this value.

10. Once the process has finished the 'OK' light will flash. Turn off the ignition and Remove the key and ensure steering lock activates.

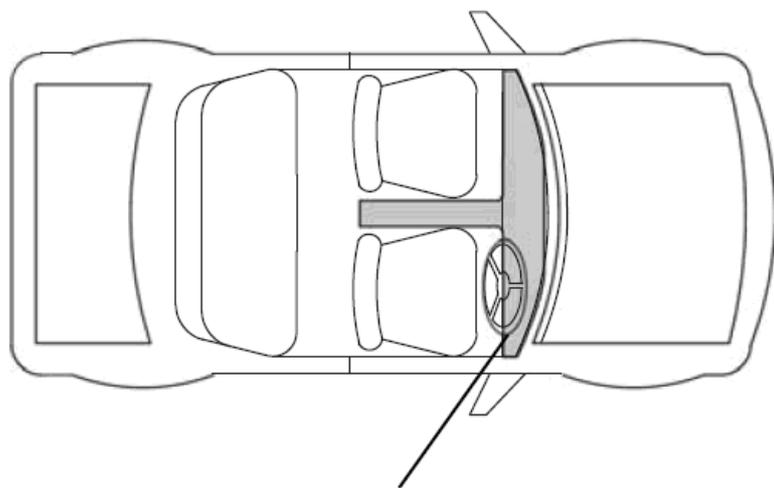
WARNING – The motors will open the brakes fully and then close them again. Ensure no one is working on them at this point!

11. After the motors have finished cycling the procedure is then complete and the EPB Tool can be unplugged.

## Application List

						
<b>Audi PARKING</b>						
A6 (4F Chassis)	All Variants	P/D	All	06-07	All Codes	ELECTRONIC PARKING BRAKE
A8 (4C Chassis)	All Variants	P/D	All	06-07	All Codes	ELECTRONIC PARKING BRAKE
<b>Volkswagen PARKING</b>						
Passat (3C Chassis)	All Variants	P/D	All	05-08	All Codes	ELECTRONIC PARKING BRAKE

## Diagnostic Connector locations



Audi  
VW

Please return your EPB Service tool to:

SP Diagnostics  
PO BOX 3467  
Chippenham  
Wiltshire  
SN15 9FH

Please fill in the following details:

Product serial number

Customer Name: \_\_\_\_\_

Business Name: \_\_\_\_\_

Address: \_\_\_\_\_

Post Code: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Email: \_\_\_\_\_

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