

Trade Show



iSCAN-II Traing Course in Taipei Taiwan in April, 2009

iSCAN-II / D91 Latest Versions (April, 2009)

iSCAN-II MB ADD-ON	V2.51	English	2009-04-20
iSCAN-II IMS2 PKG	V1.00	English	2009-04-20
iSCAN-II PORSCHE	V2.02 SP1 / V1.02 SP1	English/Chinese/Japanese	2009-04-28
D91-PORSCHE	V4.52 SP1 / V4.02 SP1	English/Chinese/Japanese	2009-04-28

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2009 / D91-ASIAN PRO YUP 2009
YUP customers, please get the updates from web site.

VASS (VOLKSWAGEN / AUDI / SEAT / SKODA) :
How to remove and install the electronic parking brake pads?

Electronic Parking Brake introduction:

It is necessary to use diagnostic scanner to proceed Basic Setting function, when removing and installing brake pads. Without diagnostic scanner, it is unable to replace brake pads and is possible to damage the parts of electronic parking brake.

Prerequisites of Removing and Install Brake Pads:

- 1) Raise vehicle and select jacking mode if it is equipped with air suspension.
- 2) Remove wheels and connect an external battery charger.
- 3) Ignition ON.
- 4) Cycle the parking brake ON, then OFF.
- 5) Use iSCAN-II to enter Parking Brake system and confirm no fault code first.
- 6) Use iSCAN-II to proceed Basic Setting function of electronic parking brake.

Example 1: AUDI A8 (4E)



Example 2: VOLKSWAGEN PASSAT (3C) Year 2006



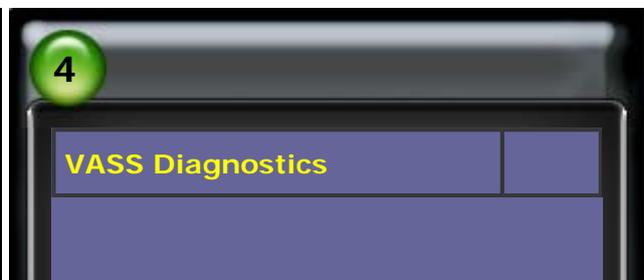
Procedures on iSCAN-II:

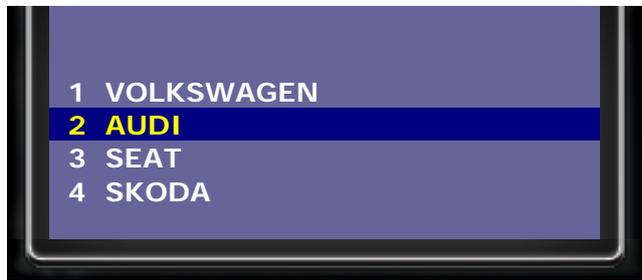
Example 1: AUDI A8 (4E)

1. Select **Vehicle Diagnostic** → select **EUROPEAN**

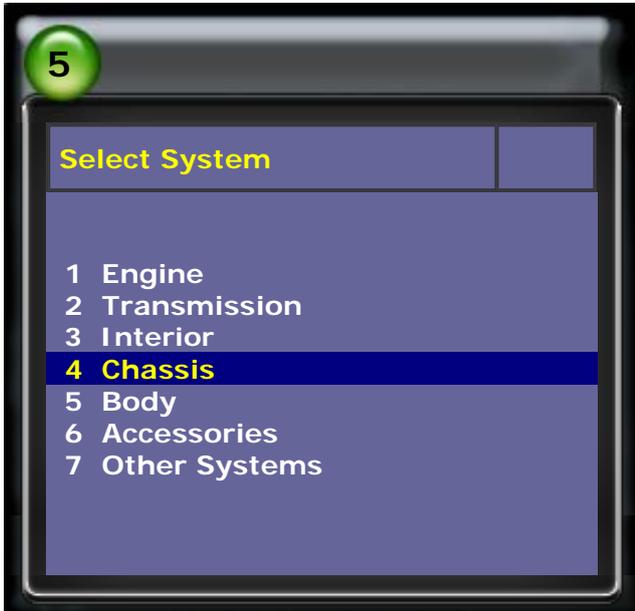


2. Select **VASS** software → select **AUDI**





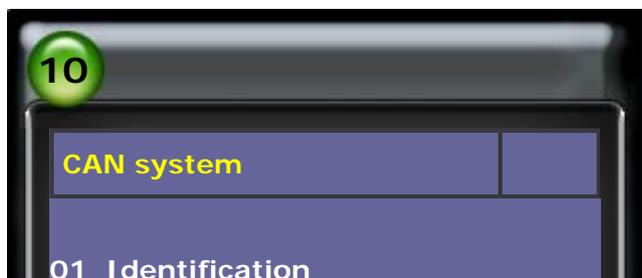
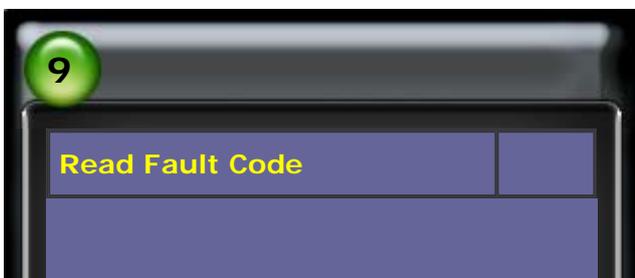
3. Select **Chassis** → select **Parking brake**

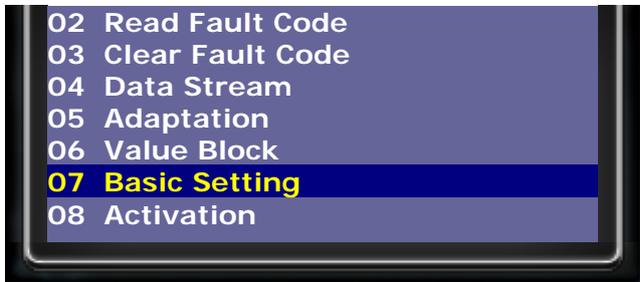
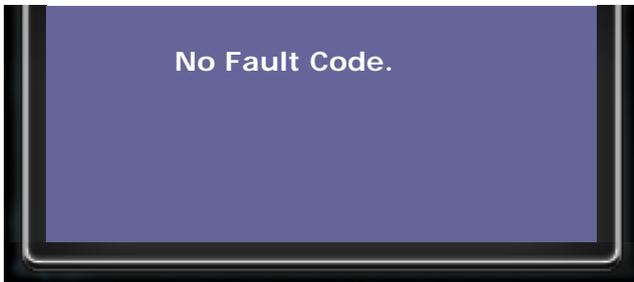


4. Select **Read Fault Code**

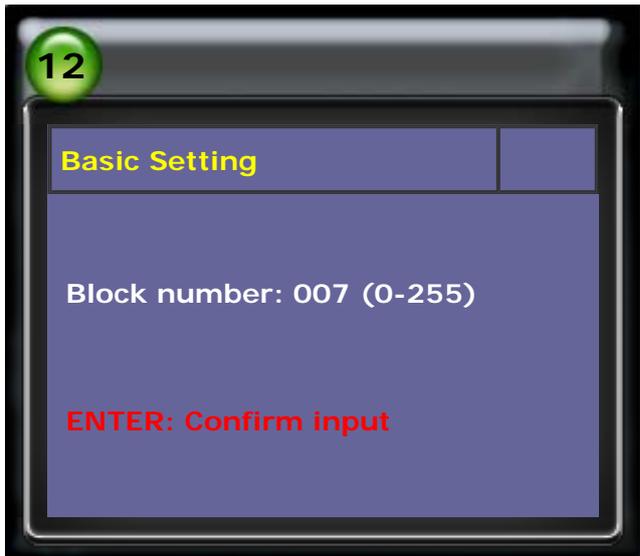


5. Confirm **No Fault Code** in Parking Brake system, then select **Basic Setting**





- The rear server motor of electronic parking brakes releases.
- Enter Block number 007. There will be a noise from running rear server motor. It is releasing the brake for machinist to take the brake pads.



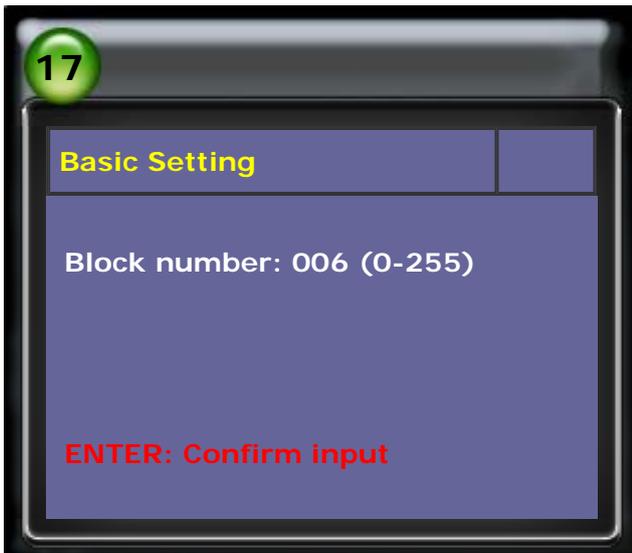
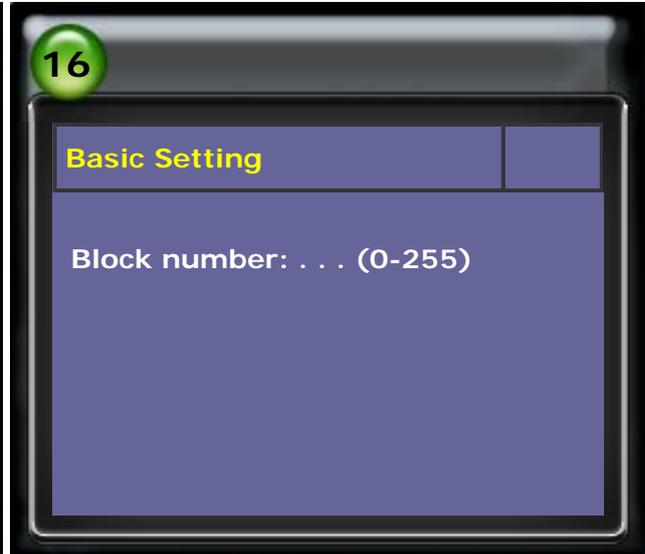
- Waiting 30 seconds after the brakes stop making noises. It is normal for the LED in the parking switch and the warning lamp in the instrument cluster to blink rapidly at this point. Press EXIT to exit basic setting to proceed the steps to replace brake pads.

PIC. 13: Start running value of rear server motor of electronic parking brakes
PIC. 14: Stop running value of rear server motor of electronic parking brakes

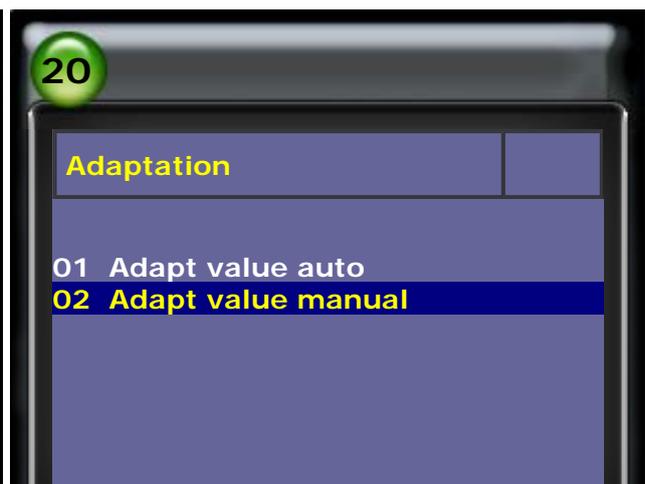


- Remove securing bolts from brake caliper housing, when doing this counter-hold on guide pins. Push connector out of retainer. Move back caliper clear to one side. Remove brake pads. Remove guide clips.
- Push back piston with piston resetting appliance.

11. Take the brake pads and use special tool to fit connector for electronic parking brake in retainer and replace new brake pads.
12. After replacing new brake pads, move piston to original position.
13. The rear server motor of electronic parking brake recovers.
14. Select **Basic Setting** and enter **Block number 006**. One noise is from running server motor. It recovers the parking brake to initial position.



15. AUDI A8, adapt value on electronic parking brake:
Select **Adaptation** → select **Adapt value manual**



16. Enter Channel 06 and press enter to continue.



17. Suggested value of new brake pads is 11mm.
Input 00011 and press ENTER to continue.

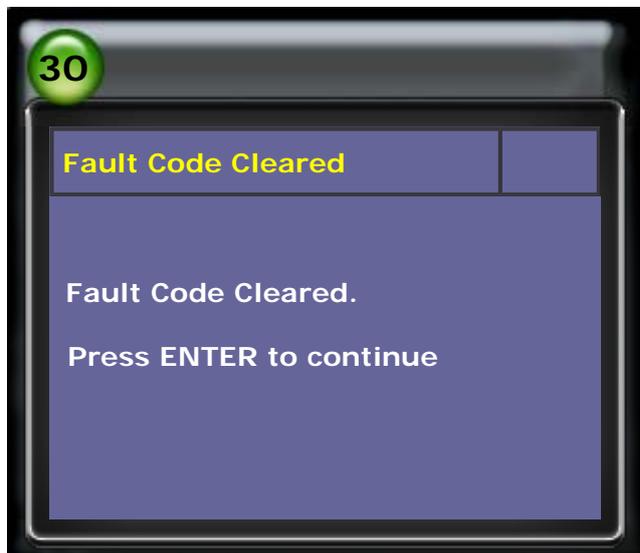


18. Press ENTER again to confirm the adaptation.
Adaptation Succeeded will be shown on the screen.



19. Install wheels and put the vehicle on the ground. Selector lever in position P.
Test the electronic parking brake function.

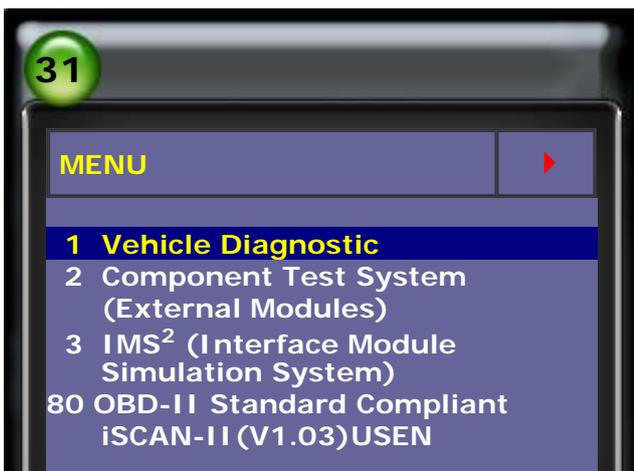
20. Select **Read Fault Code** → select **Clear Fault Code**



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Example 2: VOLKSWAGEN PASSAT (3C) Year 2006

1. Select **Vehicle Diagnostic** → select **EUROPEAN**



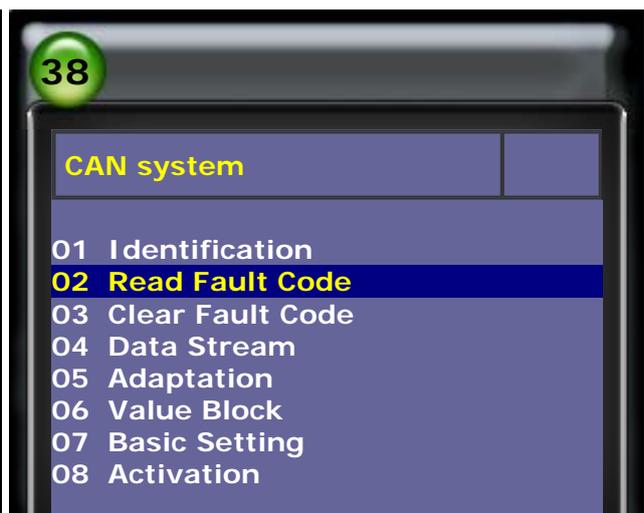
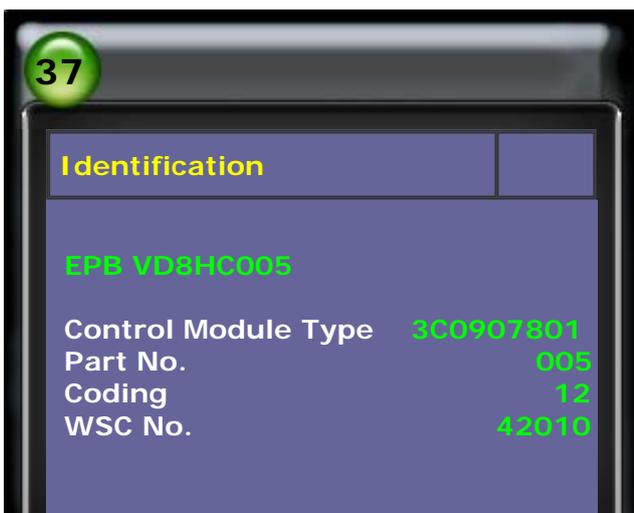
2. Select **VASS** software → select **VOLKSWAGEN**



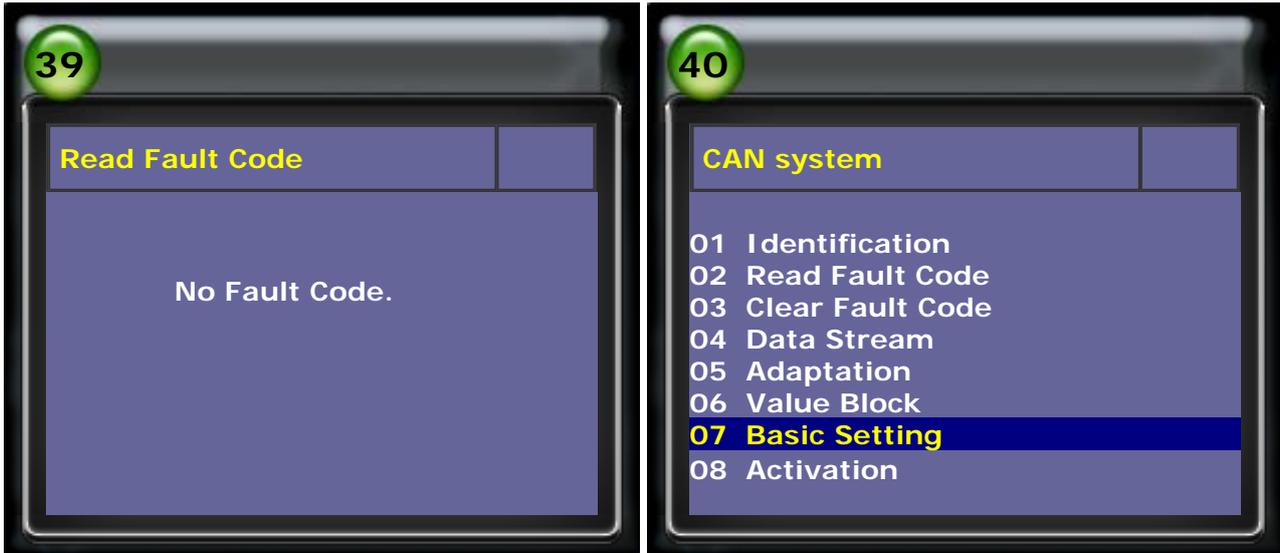
3. Select **Chassis** → select **Parking brake**



4. Select **Read Fault Code**

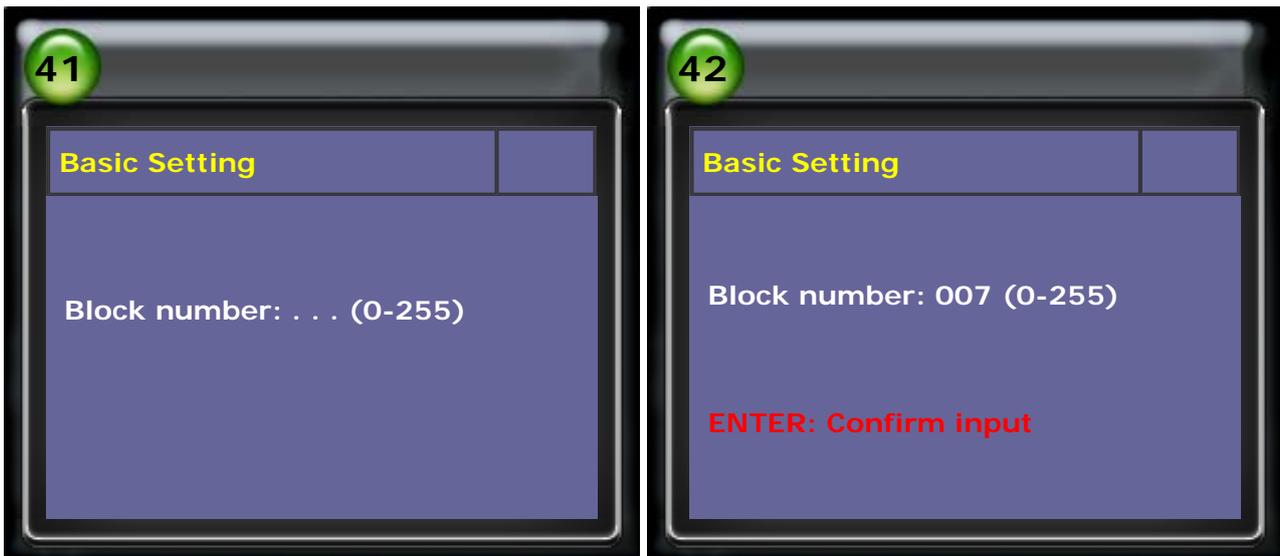


5. Confirm **No Fault Code** in Parking Brake system, then select **Basic Setting**



6. The rear server motor of electronic parking brakes releases.

7. Enter Block number 007. There will be a noise from running rear server motor. It is releasing the brake for machinist to take the brake pads.



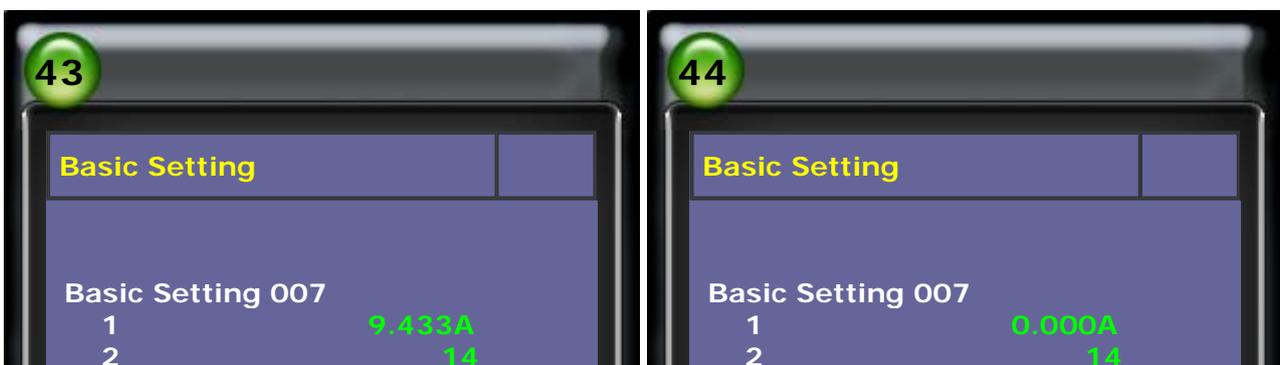
8. Waiting 30 seconds after the brakes stop making noises.

It is normal for the LED in the parking switch and the warning lamp in the instrument cluster to blink rapidly at this point.

Press EXIT to exit basic setting to proceed the steps to replace brake pads.

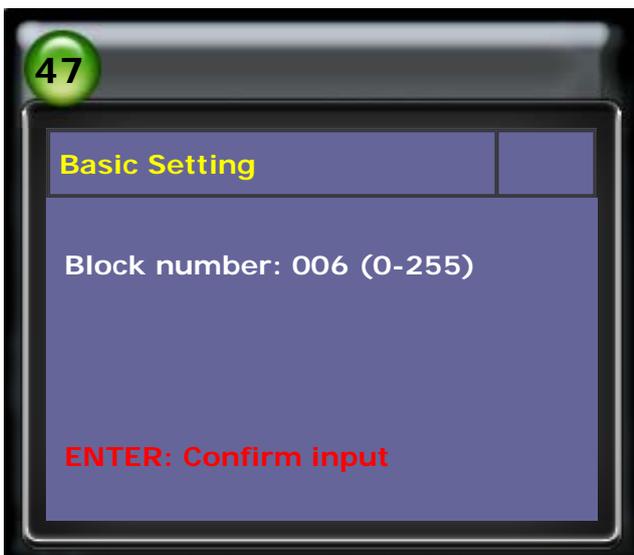
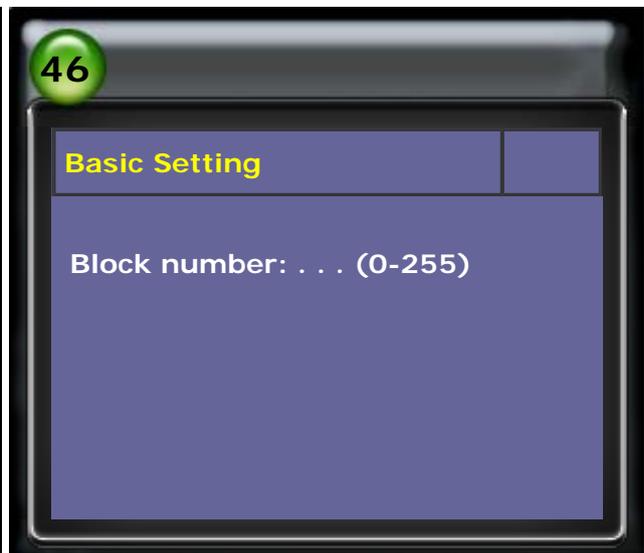
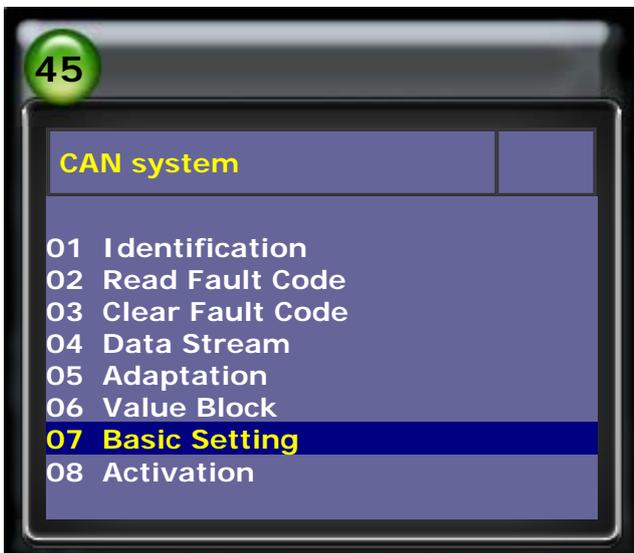
PIC. 13: Start running value of rear server motor of electronic parking brakes.

PIC. 14: Stop running value of rear server motor of electronic parking brakes.





9. Remove securing bolts from brake caliper housing, when doing this counter-hold on guide pins.
Push connector out of retainer. Move back caliper clear to one side.
Remove brake pads. Remove guide clips.
10. Use special tools to push back piston with piston resetting appliance and replace new brake pads.
11. Ensure that the brake pads are located correctly in the anti-rattle springs.
Fit connector for electronic parking brake in retainer.
After replacing new brake pads, move piston to original position.
The rear server motor of electronic parking brake recovers.
12. Select **Basic Setting** and enter **Block number 006**.
One noise is from running server motor.
It recovers the parking brake to initial position.



13. Install wheels and put the vehicle on the ground. Selector lever in position P.
Test the electronic parking brake function.
14. Select **Read Fault Code** → select **Clear Fault Code**

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CAN system

- 01 Identification
- 02 Read Fault Code**
- 03 Clear Fault Code
- 04 Data Stream
- 05 Adaptation06 Value Block
- 07 Basic Setting
- 08 Activation

50

1/1 ID:043F

01087
Basic Setting Not performed

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CAN system

- 01 Identification
- 02 Read Fault Code
- 03 Clear Fault Code**
- 04 Data Stream
- 05 Adaptation06 Value Block
- 07 Basic Setting
- 08 Activation

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Fault Code Cleared

Fault Code Cleared.
Press ENTER to continue

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