CONTENTS

1 Caution on testing VW Airbag

2000-2001 Golf/GTI/Jetta/Beetle Airbag System (important!)

Air Bag Warning Lights stay on permanently after testing with X431.The Air Bag Controller shows DTC number 65535, indicating an internal error which cannot be cleared

This problem seems to be limited to airbag controllers with the part number 6Q0-909-605-A. If

you have a 2000-2001 Golf, Jetta/Bora, Beetle, or a similar SEAT or Skoda model, you should

physically inspect the airbag controller and look at the part number. If it is not 6Q0-909-605-A,

then it should be safe to scan.If it is 6Q0-909-605-A, then it is at risk of this problem -- please

avoid scanning the airbag controller in these cars, unless you are prepared to buy a new one!

if you unintentionally connect to the Airbag controller with the part number 6Q0-909-605-A,

please immediately click [exit] to quit. If you insist on doing the following tests, the company will

disclaims the responsibility for all the result which will be produced. Accessing the other control

modules in the car should not affect the airbag controller in any way.

Comment: There is no way that testing a controller should cause it to become dysfunctional in

this manner. We believe there is a bug in the firmware in these controllers. We also believe

VW knows this, but isn't admitting it. The affected controllers are no longer available as replacement parts, they have been superceded by a new part number -- 1C0-909-605-A which

appears not to have this problem.

2 Erasing Learnt Values

Old learnt values are erased from Engine ECU

Make Sure That:

Battery Voltage >11.5V

No Fault Codes stored in Engine ECU

Coolant Temp 5 to 115 ℃

Throttle Valve at Idle Position

Ignition on, engine not running

Procedure:

Ignition on, engine not running

Select

(01 Engine Electronics)

```
SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP          PAGE DOWN

HOME    BACK    PRINT    HELP

Start  [ ]      [ ]    ☼    ⌨ 08:58
```

```
DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP          PAGE DOWN

HOME    BACK    PRINT    HELP

Start  [ ]      [ ]    ☼    ⌨ 09:00
```

```
Adaptation

Channel(0~255):


00|

OK        CANCEL      BACK SPACE

1    2    3    4    5    .
6    7    8    9    0    +/-

Start  [ ]      [ ]    ☼    ⌨ 09:00
```

```
Clear learning code




Cleared learning code




OK

Start  [ ]      [ ]    ☼    ⌨ 09:04
```

Enter Channel No. '00'
Press (OK)
X431 Screen will display [Cleared learning code]
Press (OK)
Press (BACK) To Exit from Module
Switch off ignition for at least 20 seconds to store the values.

3 Adapting ECU to Throttle Valve
Make Sure That:
Battery Voltage >11.5V
No Fault Codes stored in Engine ECU
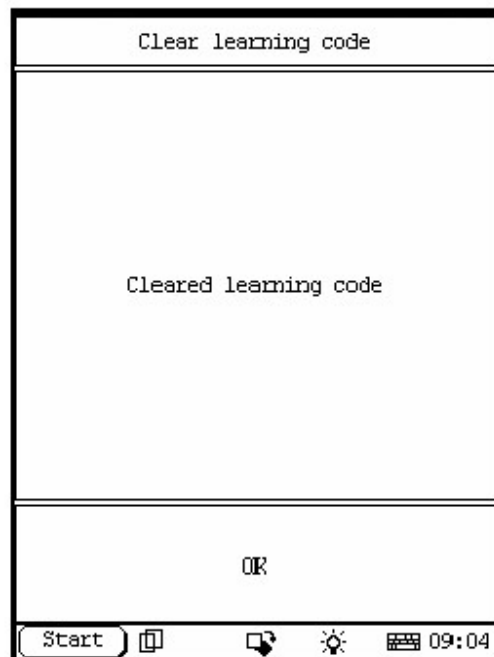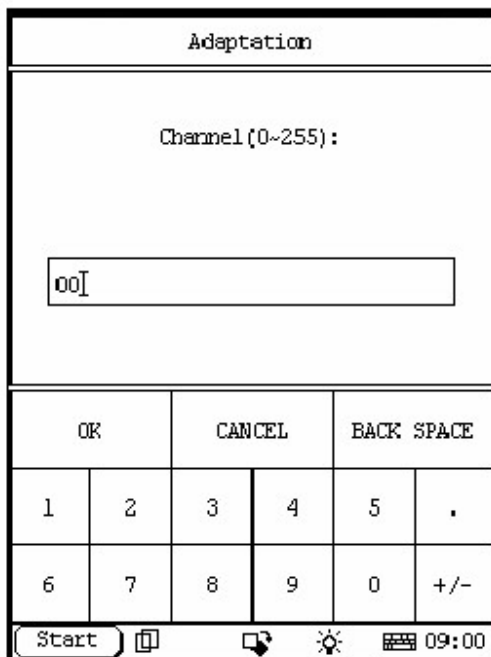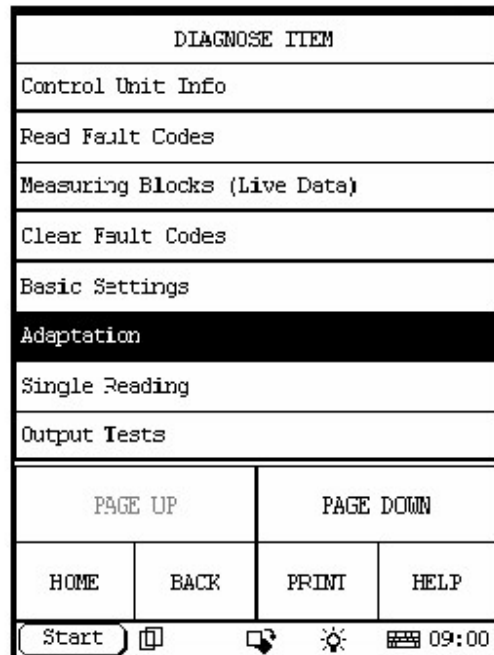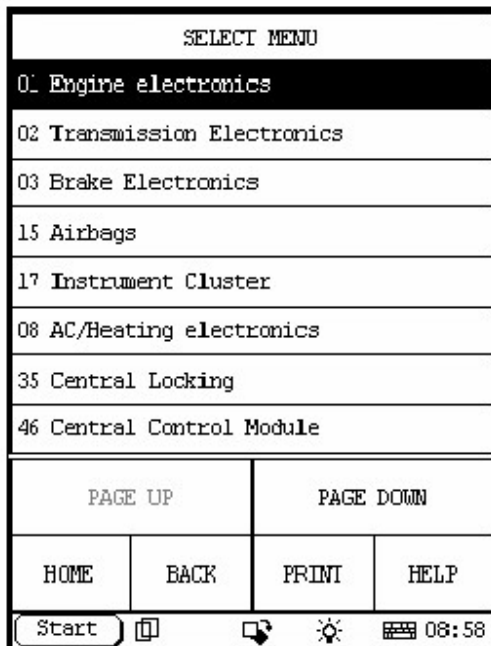Coolant Temp 5 to 115 ℃
Throttle Valve at Idle Position
Ignition on, engine not running
Procedure:
Ignition on, engine not running
Select
(01 Engine Electronics)

SELECT MENU	
01 Engine electronics	
02 Transmission Electronics	
03 Brake Electronics	
15 Airbags	
17 Instrument Cluster	
08 AC/Heating electronics	
35 Central Locking	
46 Central Control Module	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start 回 ➡ ☀ ▦ 08:58	

DIAGNOSE ITEM	
Control Unit Info	
Read Fault Codes	
Measuring Blocks (Live Data)	
Clear Fault Codes	
Basic Settings	
Adaptation	
Single Reading	
Output Tests	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start 回 ➡ ☀ ▦ 09:08	

```
+-----------------------------------+      +-----------------------------------+
|           Basic Settings          |      |           DATA STREAM             |
|                                   |      |                                   |
|        Channel(0~255):            |      | GROUP:              60            |
|                                   |      |---------------------------------- |
|                                   |      |                 14.84 %          |
|                                   |      |---------------------------------- |
|                                   |      |                 84.77 %          |
|  +-----------------------------+  |      |---------------------------------- |
|  | 060|                        |  |      |                 8                |
|  +-----------------------------+  |      |---------------------------------- |
|                                   |      |               ADP. Runs          |
|                                   |      |                                   |
|    OK     | CANCEL | BACK SPACE   |      |                                   |
|                                   |      |                                   |
|  1  | 2 | 3 | 4 | 5 |   .         |      | PAGE UP |PAGE DOWN| SAVE |GRAPHIC-1|
|                                   |      |                                   |
|  6  | 7 | 8 | 9 | 0 |  +/-        |      | HOME    | BACK    |PRINT | HELP   |
|                                   |      |                                   |
| Start  [] [] :O: []] 09:08        |      | Start  [] [] :O: []] 09:22        |
+-----------------------------------+      +-----------------------------------+
```

Enter '098' or '060' on drive by wire systems
Press (OK)

```
+-----------------------------------+
|           DATA STREAM             |
|                                   |
| GROUP:              60            |
|---------------------------------- |
|                 14.84 %           |
|---------------------------------- |
|                 84.77 %           |
|---------------------------------- |
|                 8                 |
|---------------------------------- |
|               ADP. OK.            |
|                                   |
|                                   |
|                                   |
|                                   |
|                                   |
| PAGE UP |PAGE DOWN| SAVE |GRAPHIC-1|
|                                   |
| HOME    | BACK    |PRINT | HELP   |
|                                   |
| Start  [] [] :O: []] 09:21        |
+-----------------------------------+
```

The values will now change, Value 4 the lower right will change from ADP RUN to
ADP.OK.
(Note: If No Values are shown you are using the wrong channel number)
This shows the Throttle Body adaptation is being done.
Press (BACK) and (BACK) again to Exit from Module
Switch off ignition for at least 15 seconds to store values

On Older Cars

Make Sure That:
Battery Voltage >11.5V
No Fault Codes stored in Engine ECU
Coolant Temp 5 to 115 ℃
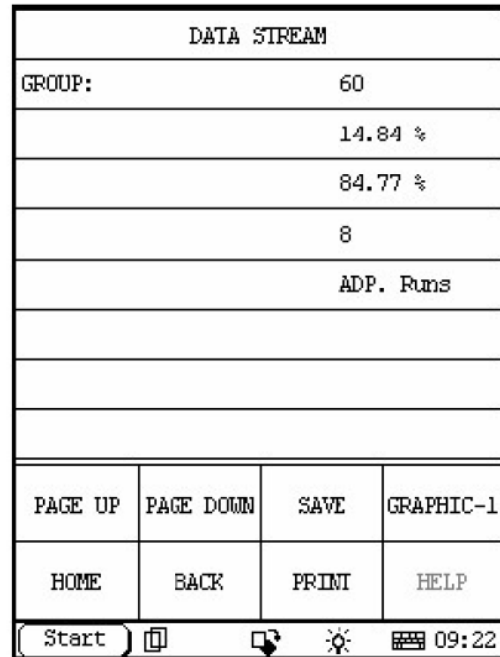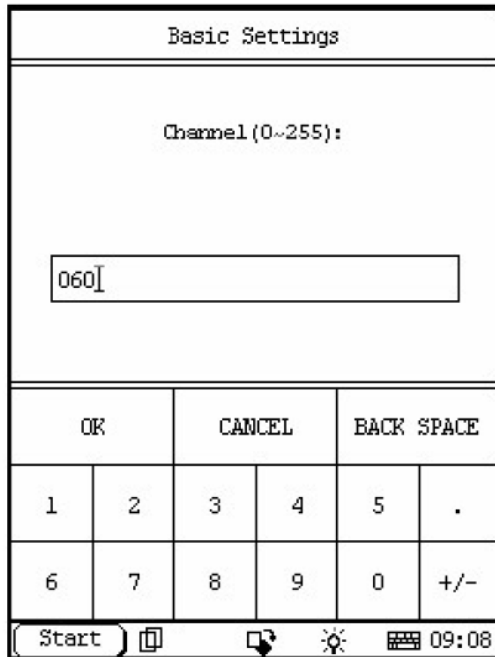Throttle Valve at Idle Position

Ignition on, engine RUNNING
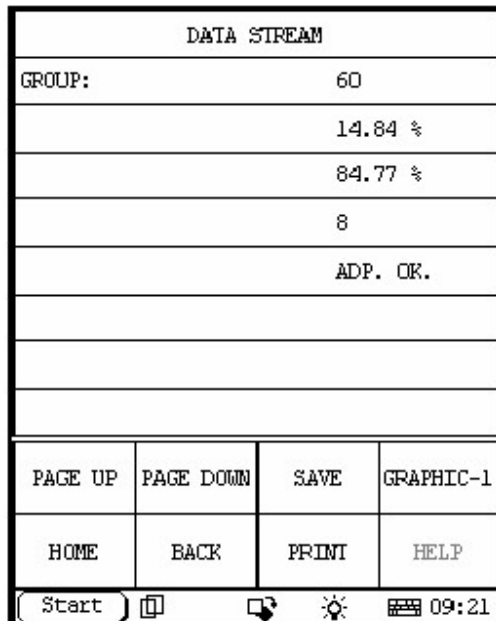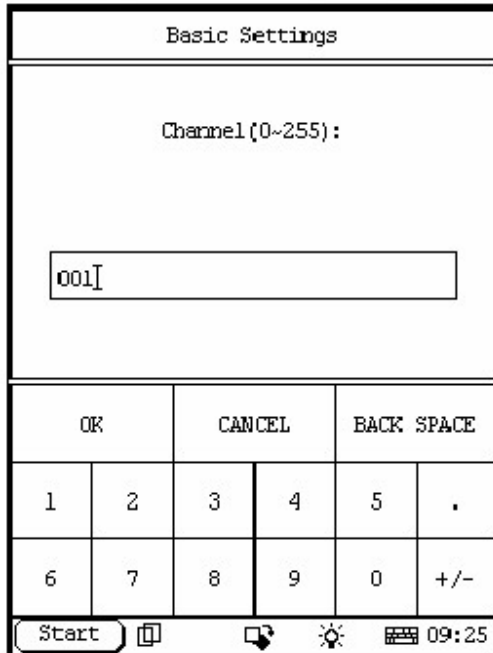Procedure:
Ignition on, engine RUNNING
Select
(01 Engine Electronics)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP	PAGE DOWN

HOME	BACK	PRINT	HELP

Start 📱 ⤵ ☀ ▦ 08:58

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP	PAGE DOWN

HOME	BACK	PRINT	HELP

Start 📱 ⤵ ☀ ▦ 09:08

```
                    Basic Settings

                 Channel(0~255):



          |001|                           |


    |    OK    |   CANCEL   |  BACK SPACE  |

    |  1  |  2  |  3  |  4  |  5  |   .    |

    |  6  |  7  |  8  |  9  |  0  |  +/-   |

    ( Start ) 回      🔖  ☼   ⌨ 09:25
```

Enter '001'， Press (OK)
Let engine Idle for at least 30 seconds.

4 Adapting Exhaust Gas Recirculation

Procedure:
Select
(01 Engine Electronics)

```
           SELECT MENU

 01 Engine electronics

 02 Transmission Electronics

 03 Brake Electronics

 15 Airbags

 17 Instrument Cluster

 08 AC/Heating electronics

 35 Central Locking

 46 Central Control Module

 |   PAGE UP    |    PAGE DOWN   |

 | HOME | BACK | PRINT | HELP |

 ( Start ) 回      🔖  ☼   ⌨ 08:58
```

```
           DIAGNOSE ITEM

 Control Unit Info

 Read Fault Codes

 Measuring Blocks (Live Data)

 Clear Fault Codes

 Basic Settings

 Adaptation

 Single Reading

 Output Tests

 |   PAGE UP    |    PAGE DOWN   |

 | HOME | BACK | PRINT | HELP |

 ( Start ) 回      🔖  ☼   ⌨ 09:08
```

Basic Settings		
Channel(0~255):		
074		
OK	CANCEL	BACK SPACE
1	2	3	4	5	.
6	7	8	9	0	+/-
Start		09:27

DATA STREAM			
GROUP:	74		
	14.84 %		
	84.77 %		
	8		
	ADP. Runs		
PAGE UP	PAGE DOWN	SAVE	GRAPHIC-1
HOME	BACK	PRINT	HELP
Start			14:25

Enter '074'，   Press (OK)

DATA STREAM			
GROUP:	74		
	14.84 %		
	84.77 %		
	8		
	ADP. OK.		
PAGE UP	PAGE DOWN	SAVE	GRAPHIC-1
HOME	BACK	PRINT	HELP
Start			14:22

The values will now change, Value 4 the lower right will change from ADP RUN to
ADP.OK.
Press (BACK) And (BACK) again to Exit from Module
Switch off ignition for at least 15 seconds to store values.

5 Automatic Transmission Basic Setting

This relearns the kick-down point

Basic Settings should be performed on an Automatic Transmission after:

Auto Transmission Replacement

Engine replacement

ECU replacement

Throttle Valve adjustment or TPS replacement

Make Sure That:

No Fault Codes are stored

Ignition on, engine NOT running

Procedure:

Select

(01 Engine Electronics)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start ▯ ▱ ☼ ▭ 08:58

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start ▯ ▱ ☼ ▭ 09:08

(Basic Settings)

Basic Settings		
Channel(0~255):		
063		
OK	CANCEL	BACK SPACE
1 2	3 4	5 .
6 7	8 9	0 +/-
Start 🗐 ⤵ ☼ ⌨ 09:48		

DATA STREAM	
GROUP:	63
	14.84 %
	84.77 %
	ADP. Runs
	ADP. Runs
PAGE UP PAGE DOWN SAVE GRAPHIC-1	
HOME BACK PRINT HELP	
Start 🗐 ⤵ ☼ ⌨ 09:59	

Enter '063'，   Press (OK)

DATA STREAM	
GROUP:	63
	14.84 %
	84.77 %
	ADP. OK.
	ADP. OK.
PAGE UP PAGE DOWN SAVE GRAPHIC-1	
HOME BACK PRINT HELP	
Start 🗐 ⤵ ☼ ⌨ 09:54	

Value 3 and 4 will display Operate Kick Down
Press accelerator pedal all the way to the floor and hold for 5 seconds. Value 3 and 4 should
change from ADP.RUNS to ADP.OK
Press (BACK) And (BACK) again To Exit from Module
Release the Accelerator pedal.

On Older Cars

Procedure:
Select
(02 Transmission Electronics)

SELECT MENU	
01 Engine electronics	
02 Transmission Electronics	
03 Brake Electronics	
15 Airbags	
17 Instrument Cluster	
08 AC/Heating electronics	
35 Central Locking	
46 Central Control Module	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start ⬚ ⬚ ☀ ⌨ 10:01	

DIAGNOSE ITEM	
Control Unit Info	
Read Fault Codes	
Measuring Blocks (Live Data)	
Clear Fault Codes	
Basic Settings	
Adaptation	
Single Reading	
Output Tests	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start ⬚ ⬚ ☀ ⌨ 09:08	

(Basic Settings)

Basic Settings
Channel(0~255):
00
OK   CANCEL   BACK SPACE
1 2 3 4 5 .
6 7 8 9 0 +/-
Start ⬚ ⬚ ☀ ⌨ 14:27

Enter '000'，Press (OK)
Press accelerator pedal all the way to the floor and hold for 5 seconds.

Press (BACK) And (BACK) again To Exit from Module
Release the Accelerator pedal.

6 Service Light Reset
Procedure:
Select
(17 Instrument Cluster)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 🗇 🔁 ☼ ⌨ 10:07

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 🗇 🔁 ☼ ⌨ 10:08

(Adaptation)

Adaptation
Channel(0~255):
02

OK		CANCEL		BACK	SPACE
1	2	3	4	5	.
6	7	8	9	0	+/-

Start 🗇 🔁 ☼ ⌨ 10:08

Enter '02'

Adaptation		
GROUP:		2
Adaptated number:		1
PAGE UP	PAGE DOWN	PRINT
< OK	CANCEL	+ - >
Start 🗔 🡇 ☀ ⌨ 10:10		

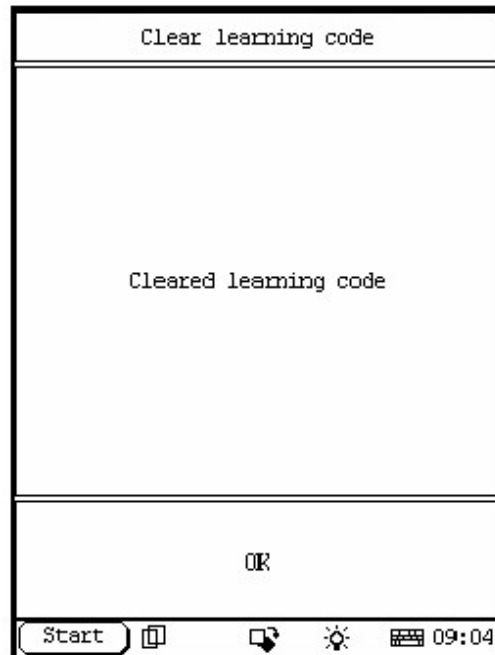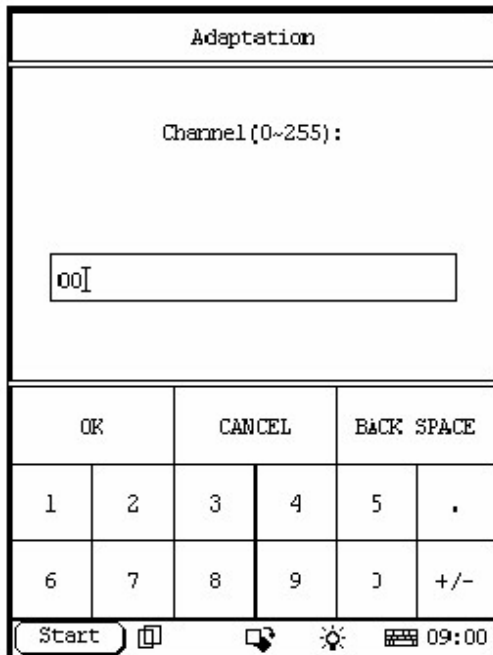| Adaptation		
GROUP:		2
Adaptated number:		0
PAGE UP	PAGE DOWN	PRINT
< OK	CANCEL	+ - >
Start 🗔 🡇 ☀ ⌨ 10:11		

X431 Screen will display
[GROUP: 2]
[Adaptated number: 1]
Press (-) and Adaptated number: will change to 0
Press (OK)
X431 Screen will Display [Adaptation success!]
Press (BACK) To Exit from Module
Service Light has now been Reset.

7 Remote Fob Clearing/Matching

Procedure for matching remote control fobs.
To Delete previous Remote fobs
Procedure:
Select
(46 Central Control Module) for VW

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 🗐 ⤵ ☀ 🔋 10:13

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 🗐 ⤵ ☀ 🔋 10:08

(Adaptation)

Adaptation
Channel(0~255):
00

OK		CANCEL		BACK SPACE	
1	2	3	4	5	.
6	7	8	9	0	+/-

Start 🗐 ⤵ ☀ 🔋 09:00

Clear learning code
Cleared learning code

OK

Start 🗐 ⤵ ☀ 🔋 09:04

In channel Enter '00',Press (OK)
X431 Screen will Display [Clear Learned values]

To Match new Remote Fobs
VW
Procedure
Select
(46 Cent Control Module)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP

Start 🔲 ⤵ ☀ ⌨ 10:13

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP

Start 🔲 ⤵ ☀ ⌨ 10:08

(Adaptation)

Adaptation
Channel(0-255):
01

OK	CANCEL	BACK SPACE
1	2	3	4	5	.
6	7	8	9	0	+/-

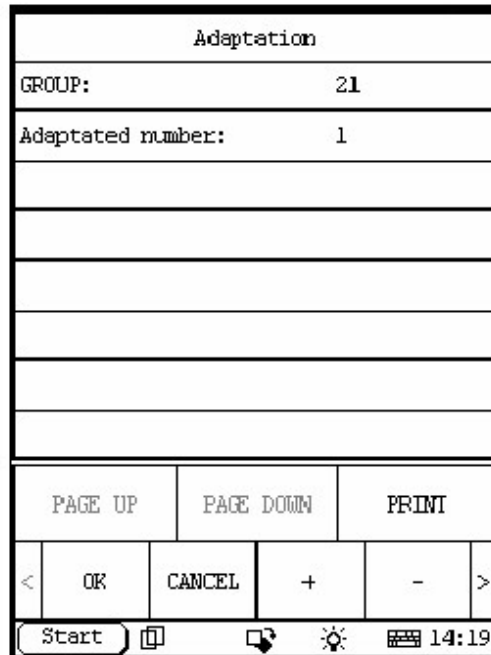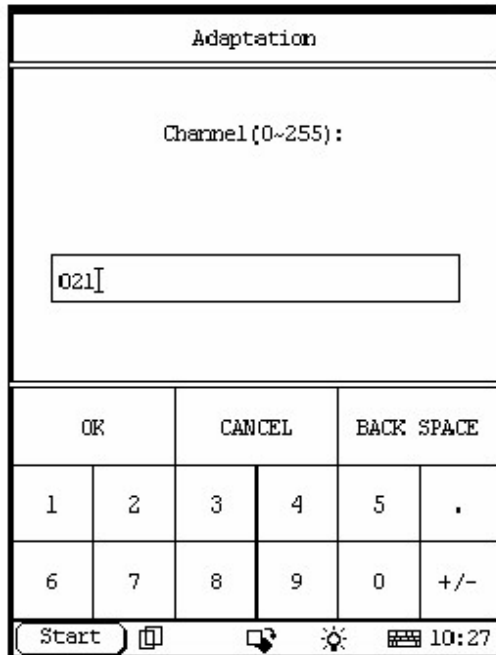Start 🔲 ⤵ ☀ ⌨ 10:18

In Channel enter '01',press[OK],

Press + to add key Adaptated number will change to 1
Press Remote Fob, X431 Display will change to [Key recognised]
Press (OK)
Exit Control Module and check Remote Fob operation

Audi
Procedure
Select
(46 Cent Control Module) or (35 Central Locking)

(Adaptation)

```
+-------------------------------+   +-------------------------------+
|         Adaptation            |   |         Adaptation            |
+-------------------------------+   +-------------------------------+
|                               |   | GROUP:              21        |
|      Channel(0~255):          |   +-------------------------------+
|                               |   | Adaptated number:   1         |
|                               |   +-------------------------------+
|                               |   |                               |
|                               |   +-------------------------------+
|      +-----------------+      |   |                               |
|      | 021|            |      |   +-------------------------------+
|      +-----------------+      |   |                               |
|                               |   +-------------------------------+
|                               |   |                               |
+-----------+---------+---------+   +-------------------------------+
|   OK      | CANCEL  |BACK SPACE|  |                               |
+---+---+---+---+-----+----------+  +--------+---------+------------+
| 1 | 2 | 3 | 4 | 5 |     .      |  |PAGE UP | PAGE DOWN|   PRINT   |
+---+---+---+---+---+------------+  +--+-----+---------+---+---+----+
| 6 | 7 | 8 | 9 | 0 |    +/-     |  |< |  OK | CANCEL  | + | - | > |
+---+---+---+---+---+------------+  +--+-----+---------+---+---+----+
| Start  [] |  ⮐  ☼  ▦ 10:27 |    | Start  [] |  ⮐  ☼  ▦ 14:19 |
+-------------------------------+   +-------------------------------+
```
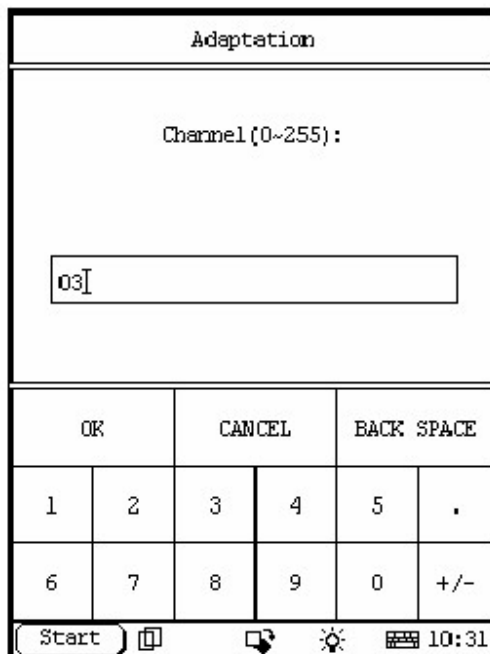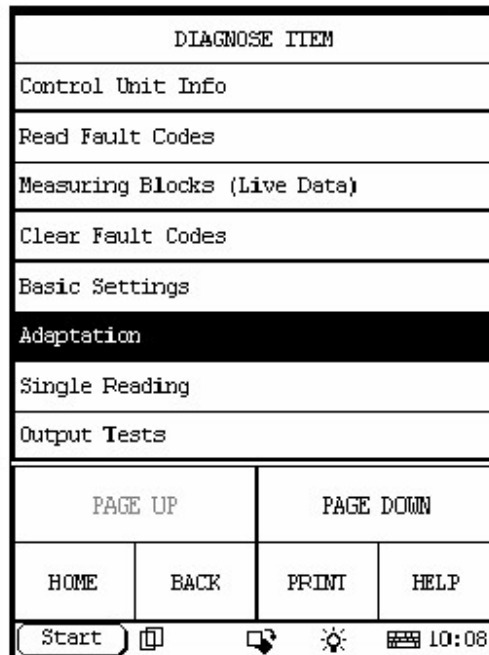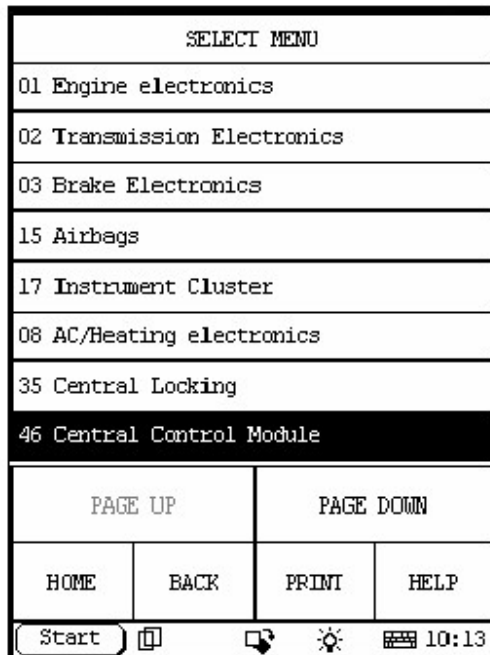
In Channel enter '21'
Display will show [Key learn]
Press + for amount of keys to add [Adaptated number:] will change

Press Remote Fob
Display will change to [Key recognised]
Press OK
Exit Control Module and check Remote

On some later models 99>

Procedure
Turn Ignition on
With Other key lock the driver's door using the key
Press the unlock button remote
Wait 6 seconds
Press unlock button again
Vehicle horn will sound when remote programmed
On some Modules To Check if remote fob has been programmed in
Go to (Measuring Blocks)

SELECT MENU	
01 Engine electronics	
02 Transmission Electronics	
03 Brake Electronics	
15 Airbags	
17 Instrument Cluster	
08 AC/Heating electronics	
35 Central Locking	
46 Central Control Module	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start	10:13

DIAGNOSE ITEM	
Control Unit Info	
Read Fault Codes	
Measuring Blocks (Live Data)	
Clear Fault Codes	
Basic Settings	
Adaptation	
Single Reading	
Output Tests	
PAGE UP	PAGE DOWN
HOME	BACK	PRINT	HELP
Start	10:08

Adaptation		
Channel(0~255):		
03		
OK	CANCEL	BACK SPACE
1	2	3	4	5	.
6	7	8	9	0	+/-
Start		10:31

In Channel enter '03'
Press remote fob Value 4 should change.

8 Instruments Module Recoding
Recoding
Select
(17 Instruments)

```
      SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

    PAGE UP        PAGE DOWN

 HOME    BACK    PRINT    HELP
 Start   ⬚    ⏎    ☼    ▦ 10:32
```

```
      DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

    PAGE UP        PAGE DOWN

 HOME    BACK    PRINT    HELP
 Start   ⬚    ⏎    ☼    ▦ 10:33
```

(Control Unit Info)

Write down or print current ECU Coding

```
      DIAGNOSE ITEM
Code Module
Login
Chassis Number adjustment
Readiness




    PAGE UP        PAGE DOWN

 HOME    BACK    PRINT    HELP
 Start   ⬚    ⏎    ☼    ▦ 10:34
```

```
      Code Module
ECU CODE<=127
ECU CODE<=32000






    PAGE UP        PAGE DOWN

 HOME    BACK    PRINT    HELP
 Start   ⬚    ⏎    ☼    ▦ 10:34
```

Press (OK)
Select (Page Down)
Press (Code module)

Enter 5 digit code from below
First two digits of coding is for Optional Equipment
00 No available equipment
01 Brakepad wear sensor warning active
02 Seatbelt warning active
04 Washer fluid level warning active
16 Navigation System
Third digit of coding is Country Code
1 Europe(EU) (Changes to Km,24 hour clock)
2 USA (Miles,12 hour clock)
3 Canada (Km,12 hour clock)
4 Great Britain (Miles,24 hour clock)
5 Japan (Km,24 hour clock)
6 Saudi Arabia (Km,24 hour clock)
7 Australia (Km,24 hour clock)
Fourth digit is Number of Cylinders
3 No Service Interval (2002+ models)
4 4 Cylinders
5 5 Cylinders
6 6 Cylinders
Fifth digit is Number of Travel Impulses
0 TDI Engine
1 4358
2 3538
3 4146
4 3648

For example:

9 Zero Position of steering angle sensor

To be done if steering angle sender, control unit or the steering column is replaced.
Zero position compensation for steering angle sender must be performed with an accuracy of 5
degrees.
If below faults are Stored also do this Procedure
[00778 Steering Angle Sensor -G85 Mechanical Fault]
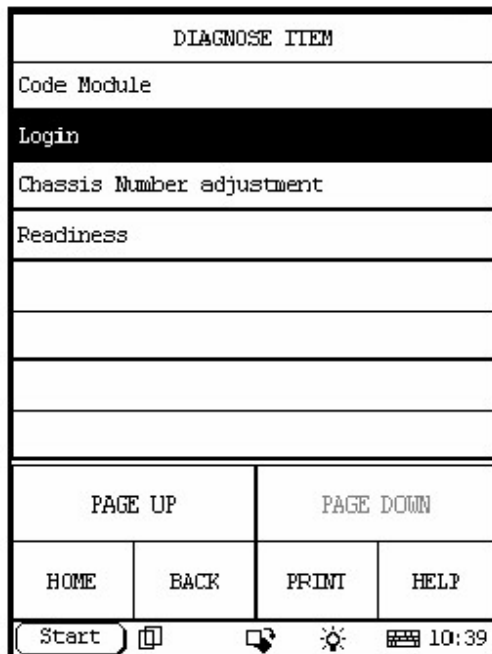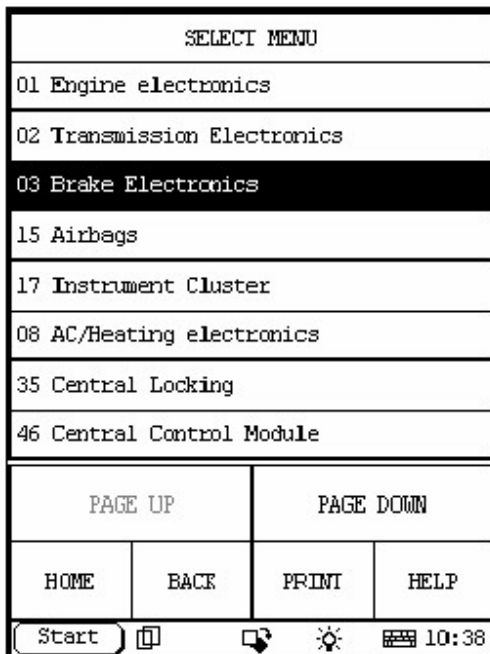[01826 Steering Angle Sensor -G85 Voltage Supply Terminal 30]
Procedure
Start vehicle
Turn steering wheel one turn to the right and one turn to the left then centre.
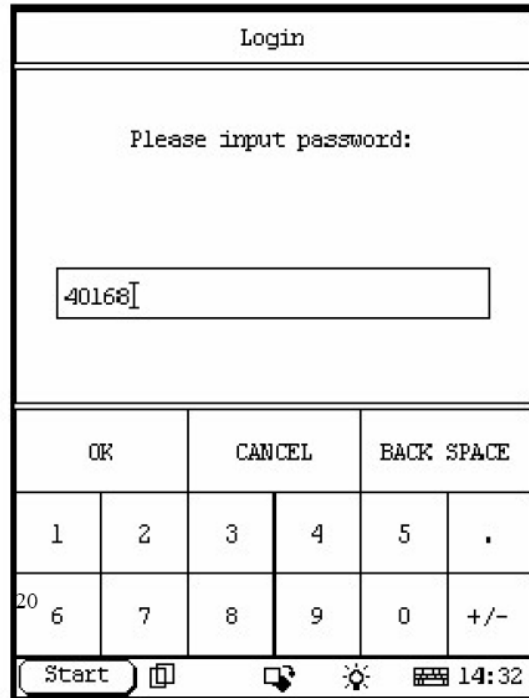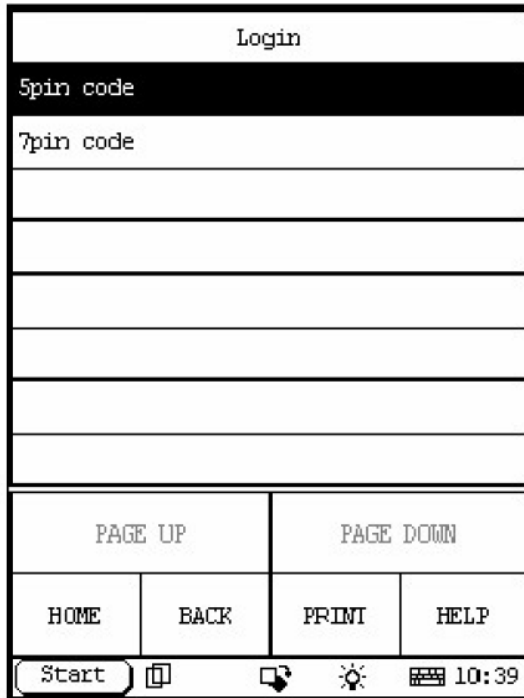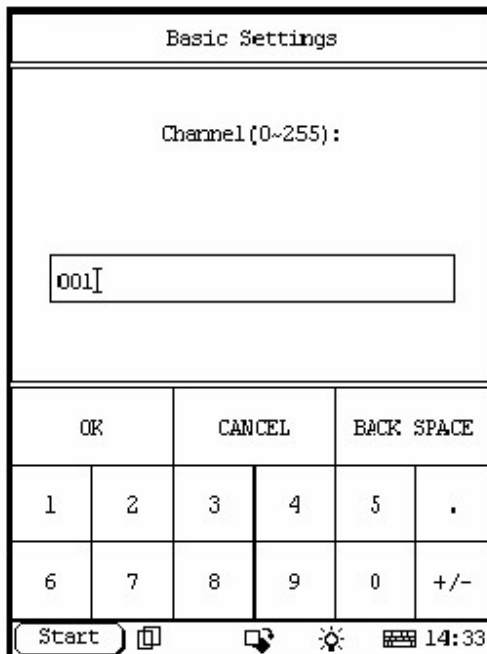Do not switch off ignition
Select
(03 Brake Electronics)

SELECT MENU			
01 Engine electronics			
02 Transmission Electronics			
03 Brake Electronics			
15 Airbags			
17 Instrument Cluster			
08 AC/Heating electronics			
35 Central Locking			
46 Central Control Module			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start	🗔	⬇ ☼	⌨ 10:38

DIAGNOSE ITEM			
Code Module			
Login			
Chassis Number adjustment			
Readiness			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start	🗔	⬇ ☼	⌨ 10:39

(Login)

For (5pin code)

Login
5pin code
7pin code
PAGE UP   PAGE DOWN
HOME   BACK   PRINT   HELP
Start 🔲 ⤶ ☼ 🔋 10:39

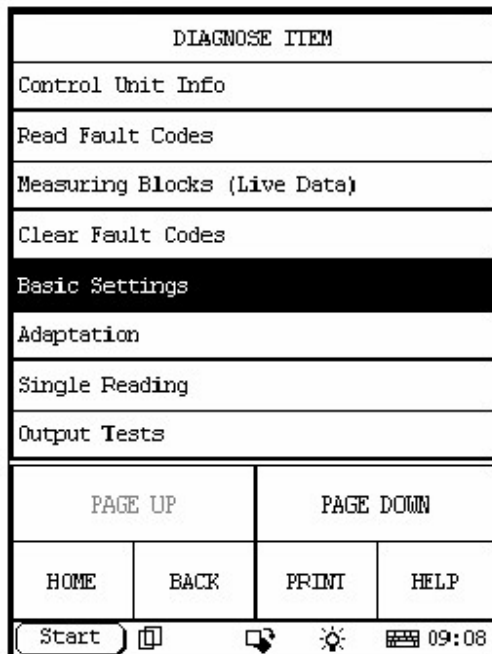| Login |
|---|
| Please input password: |
| 40168 |
| OK   CANCEL   BACK SPACE |
| 1   2   3   4   5   . |
| ²⁰ 6   7   8   9   0   +/- |
| Start 🔲 ⤶ ☼ 🔋 14:32 |

enter '40168'
If correct [Login Success] is displayed
If wrong Login code is used [Login failed] is displayed
Go back to main menu
Select (Basic Settings)

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests
PAGE UP   PAGE DOWN
HOME   BACK   PRINT   HELP
Start 🔲 ⤶ ☼ 🔋 09:08

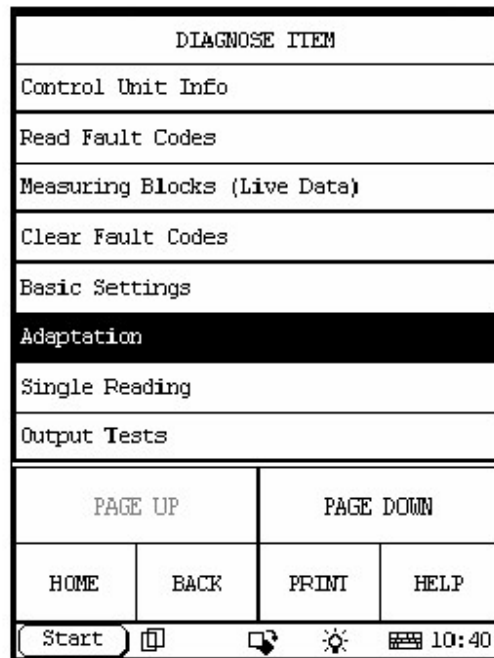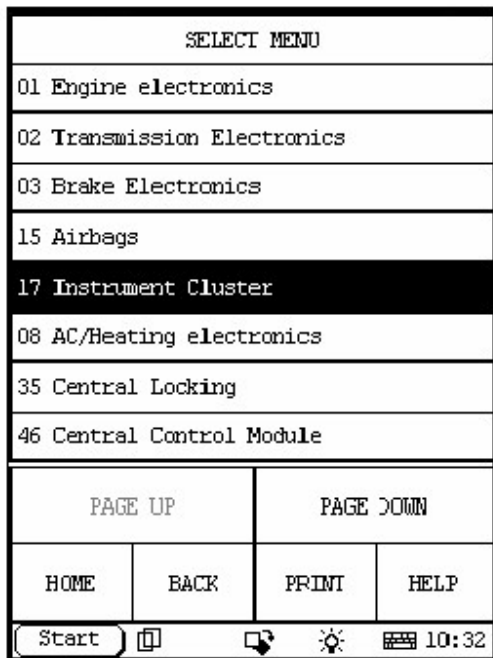| Basic Settings |
|---|
| Channel(0~255): |
| 001 |
| OK   CANCEL   BACK SPACE |
| 1   2   3   4   5   . |
| 6   7   8   9   0   +/- |
| Start 🔲 ⤶ ☼ 🔋 14:33 |

Enter '001' or '060' on some models

Using 001 Comp.st.C<down>sen.OK is displayed
Using 060 compens OK 0.00 is displayed
Please note that if '001' is used instead of the correct '060' on some
models this is the procedure to bleed the brakes.

10 Fuel Level Indicator Adaptation

Adjusts the Instrument Cluster Fuel level
Procedure
Enter
(17 Instrument Cluster)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP   PAGE DOWN

HOME BACK PRINT HELP

Start 🔲 ↵ ☼ ⌨ 10:32

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP   PAGE DOWN

HOME BACK PRINT HELP

Start 🔲 ↵ ☼ ⌨ 10:40

(Adaptation)

```
                      Adaptation

              Channel(0~255):


        ┌────────────────────────────────────┐
        │ 30Ⅰ                                 │
        └────────────────────────────────────┘


    ┌──────────┬────────────┬──────────────┐
    │    OK    │   CANCEL   │  BACK SPACE  │
    ├────┬─────┼──────┬─────┼──────┬───────┤
    │  1 │  2  │  3   │  4  │  5   │   .   │
    ├────┼─────┼──────┼─────┼──────┼───────┤
    │  6 │  7  │  8   │  9  │  0   │  +/-  │
    └────┴─────┴──────┴─────┴──────┴───────┘
    ( Start ) 🗍        🖳     ☀    ▦ 10:44
```

In Channel enter '030'
use +/- to change value (Note: Fuel level gauge should change as you do this),press 'OK' to save
the new value
X431 will display [Adaptation success].

11 Air Bag Deactivate/Activate
Deactivate or Activate Airbags or Safety Belts
Procedure
Enter
(15 Airbags)

SELECT MENU			
01 Engine electronics			
02 Transmission Electronics			
03 Brake Electronics			
15 Airbags			
17 Instrument Cluster			
08 AC/Heating electronics			
35 Central Locking			
46 Central Control Module			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start 🔲 ⤵ ☼ 🔋 10:46			

DIAGNOSE ITEM			
Control Unit Info			
Read Fault Codes			
Measuring Blocks (Live Data)			
Clear Fault Codes			
Basic Settings			
Adaptation			
Single Reading			
Output Tests			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start 🔲 ⤵ ☼ 🔋 10:40			

(Adaptation)

Adaptation					
Channel(0~255):					
001					
OK		CANCEL		BACK SPACE	
1	2	3	4	5	.
6	7	8	9	0	+/-
Start 🔲 ⤵ ☼ 🔋 10:41					

Adaptation		
GROUP:		1
Adaptated number:		1
PAGE UP	PAGE DOWN	PRINT
< OK	CANCEL +	- >
Start 🔲 ⤵ ☼ 🔋 10:23		

In Channel enter '01' For Passenger Airbag
or '02' For Drivers Airbag
or '03' For Passenger Side Airbag
or '04' For Drivers Side Airbag
or '05' For Passenger Belt
or '06' For Drivers Belt
Press (+) or (-) on X431 to change Adaptated Number

Change Adaptated Number to 1 to Block (Deactivate)
Change Adaptated Number to 0 to Actived (Activate)
Press (OK) to save the new value
X431 will display [Adaptation success]
To tell if a component is disabled(Deactivated) when Ignition is first turned on the Airbag warning
light will come on for 3-4 seconds and will then blink for 15 seconds then go out.
A fault will also be stored if you check fault codes ie [01281 Airbag driver's side switched off].
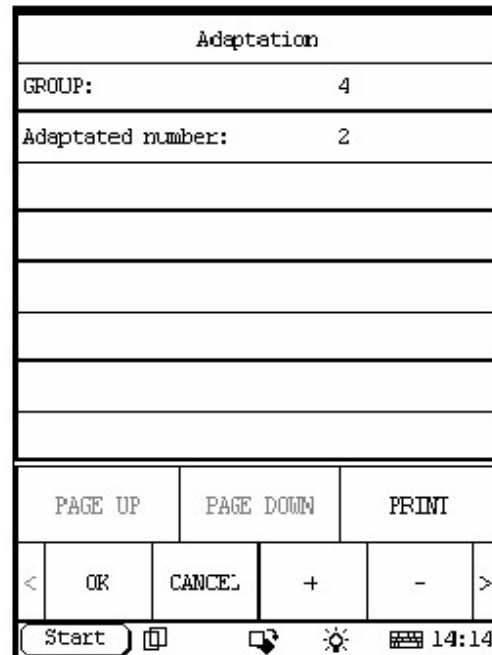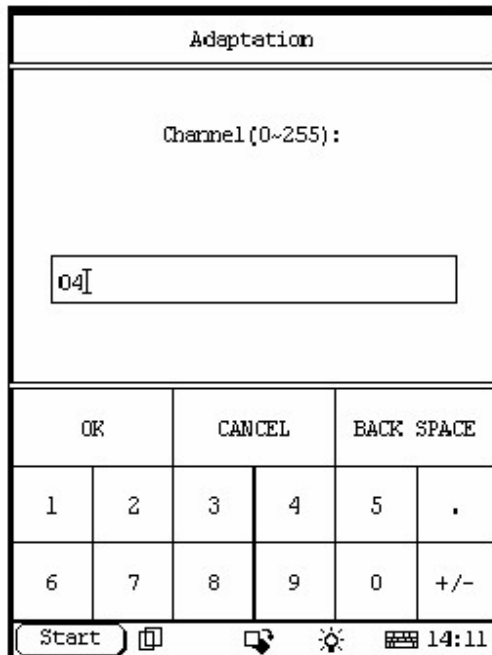
12 Instrument Cluster Language

Procedure
Enter
(17 Instrument Cluster)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start   10:32

DIAGNOSE ITEM
Control Unit Info
Read Fault Codes
Measuring Blocks (Live Data)
Clear Fault Codes
Basic Settings
Adaptation
Single Reading
Output Tests

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start   10:40

(Adaptation)

Adaptation	
Channel(0~255):	
04	

OK	CANCEL	BACK SPACE
1	2	3	4	5	.
6	7	8	9	0	+/-

Start ▢ 14:11

Adaptation	
GROUP:	4
Adaptated number:	2

PAGE UP	PAGE DOWN	PRINT
<	OK	CANCEL	+	-	>

Start ▢ 14:14

In Channel enter '04'

Using (+) or (-) Change value

1 German
2 English
3 French
4 Italian
5 Spanish
6 Portuguese
Press (OK) to save the new value
X431 will display [Adaptation success].

13 AC/Heating Basic Settings
This relearns all the flap motors etc
Procedure
Enter
(08 AC/Heating electronics)

SELECT MENU			
01 Engine electronics			
02 Transmission Electronics			
03 Brake Electronics			
15 Airbags			
17 Instrument Cluster			
08 AC/Heating electronics			
35 Central Locking			
46 Central Control Module			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start 🔲 ⏏ ☀ ▤ 14:26			

DIAGNOSE ITEM			
Control Unit Info			
Read Fault Codes			
Measuring Blocks (Live Data)			
Clear Fault Codes			
Basic Settings			
Adaptation			
Single Reading			
Output Tests			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start 🔲 ⏏ ☀ ▤ 09:08			

(Basic Settings)

Basic Settings					
Channel(0~255):					
00					
OK		CANCEL		BACK SPACE	
1	2	3	4	5	.
6	7	8	9	0	+/-
Start 🔲 ⏏ ☀ ▤ 14:27					

In Channel enter '00'
Values will now change
Wait until all values are [0.00]
Press (BACK) and (BACK) again to Exit.

14 Coding New Airbag Control Modules

First off you need to refit the faulty Airbag Module connect X431 go to ECU。Info and note
down or print the ECU Coding ie 12855 and the ECU Part Number\nie 1CO 959 655。When

ordering new Airbag Modules from Main Dealer make sure you only supply。Car Details and
Chassis number for them to order from, sometimes when they order from the Airbag Module part
number they supply the wrong Airbag Module\nand you will not be able to Code
this !Make sure
the new Airbag Module has the same part number also if you check the ECU Coding of the new
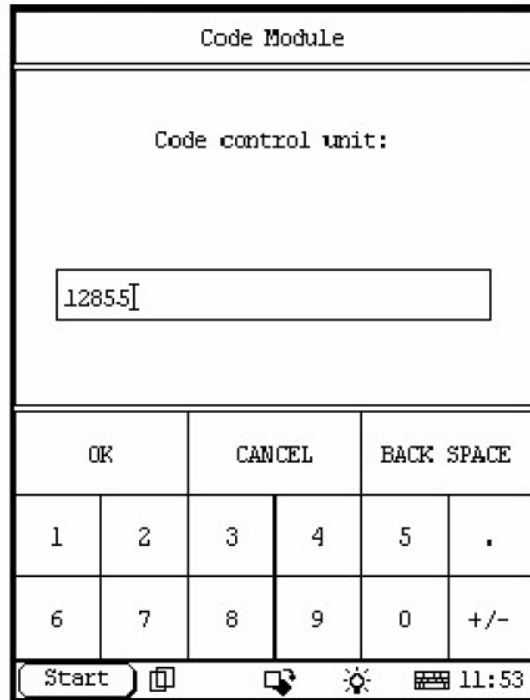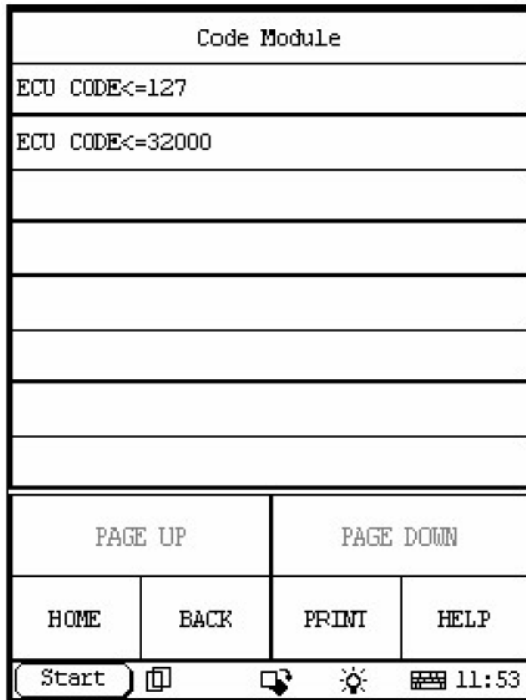Airbag Module it should be 00000
Procedure
Enter (15 Airbags)

SELECT MENU
01 Engine electronics
02 Transmission Electronics
03 Brake Electronics
15 Airbags
17 Instrument Cluster
08 AC/Heating electronics
35 Central Locking
46 Central Control Module

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			11:54

DIAGNOSE ITEM
Code Module
Login
Chassis Number adjustment
Readiness

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			11:53

Press (Page Down)

Select (Code Module)

Enter ECU Code ie '12855'

Press (ECU CODE<=32000)

  Press (OK)\nX431 will Display [Can Code control unit].

Press (OK)，ECU Coding should now display the new Code Entered。the Airbag Module CodingIf

is still 00000 then you have entered the wrong ECU Coding and will need to find the correct

Coding to enter.。Sometimes the new Airbag Module supplied has a different ECU part number

and this will have a different ECU Coding。