🟠 Trade Show

Automechanika Messe Frankfurt 2012
Sep. 11 - Sep 16, 2012
Messe Frankfurt GmbH Fair Ground, Germany
Booth Number: coming soon

AAPEX 2012
October 30 - November 1, 2012
Sands EXPO Center, Las Vegas, NV, USA
Booth Number: coming soon

We look forward to greeting you there!

🟠 Latest Versions (May, 2012)

Software	Version	Language	Release date
iSCAN-II BMW DIAG	V2.09/1.09SP5	USEN/TWCH/JPJP/KRKR	2012/3/7
iSCAN-II BMW DIAG E SERIES	V5.00/4.06/3.09SP1	USEN/TWCH/JPJP/KRKR	2012/3/7
iSCAN-II BMW DIAG F SERIES	V5.00/4.06/3.09SP1	USEN/TWCH/JPJP/KRKR	2012/3/7
iSCAN-II DAIHATSU	V5.00/4.01	USEN/TWCH/JPJP	2012/3/7
iSCAN-II FORD	V4.01	USEN/TWCH	2012/3/1
iSCAN-II FORD	V4.02	USEN/TWCH	2012/4/24
iSCAN-II GM	V4.00	USEN/TWCH	2012/3/1
iSCAN-II IMS2-BMW-2 (ICOM)	V1.00	USEN/TWCH	2012/4/3
iSCAN-II IMS2-BMW-2(ICOM)	V1.02	USEN/TWCH	2012/4/20
iSCAN-II ISUZU	V5.00SP1	USEN/TWCH	2012/4/18
iSCAN-II ISUZU	V5.00/4.02	USEN/TWCH	2012/3/7
iSCAN-II MIT	V5.00/4.02	USEN/TWCH/JPJP	2012/4/18
iSCAN-II NISSAN	V5.00/4.02	USEN/TWCH/JPJP/MXSP	2012/4/18
iSCAN-II OPEL BR	V4.00	USEN/TWCH/MXSP	2012/3/1
iSCAN-II OPEL-TW	V4.00	TWCH	2012/4/24
iSCAN-II PEUGEOT	V4.00SP1/3.02SP1/2.03SP1	USEN/TWCH/JPJP/MXSP	2012/3/1
iSCAN-II PORSCHE	V5.00/4.02	USEN/TWCH/JPJP	2012/4/3
iSCAN-II SSANGYONG	V4.01	USEN/TWCH	2012/3/1
IMS2-BMW-2 (ICOM)	V1.00	USEN/TWCH	2012/4/3
IMS2-BMW-2(ICOM)	V1.02	USEN/TWCH	2012/4/20
BMW DIAG E SERIES	2012.02	USEN/TWCH/JPJP/KRKR	2012/3/7
BMW DIAG F SERIES	2012.02	USEN/TWCH/JPJP/KRKR	2012/3/7
DAIHATSU	2012.02	USEN/TWCH/JPJP	2012/3/7
FORD	2012.02	USEN/TWCH	2012/3/1
FORD	2012.04	USEN/TWCH	2012/4/24
GM	2012.04	USEN/TWCH	2012/4/24

GM	2012.02	USEN/TWCH	2012/3/1
ISUZU	2012.03	USEN/TWCH	2012/4/18
ISUZU	2012.02	USEN/TWCH	2012/3/7
MITSUBISHI	2012.03/2011.12SP1	USEN/TWCH/JPJP	2012/4/18
NISSAN	2012.03/2011.12SP1	USEN/TWCH/JPJP/MXSP	2012/4/18
OPEL BR	2012.02	USEN/TWCH/MXSP	2012/3/1
OPEL-TW	2012.03	TWCH	2012/4/24
PEUGEOT	2012.02	USEN/TWCH/JPJP	2012/3/1
PORSCHE	2012.03	USEN/TWCH/JPJP	2012/4/3
SSANGYONG	2012.02	USEN/TWCH	2012/3/1
VM-IMS2-BMW-2 (ICOM)	001C1		2012/4/3
VM-IMS2-BMW-2(ICOM)	V001C2		2012/4/20
D91 BMW DIAG	V8.59	USEN/TWCH/JPJP/KRKR	2012/3/7
D91 BMW DIAG	V7.57	USEN/TWCH/JPJP/KRKR	2012/3/7
D91-MIT	V8.00/7.02	USEN/TWCH/JPJP	2012/4/18
D91-NISSAN	V8.00/7.02	USEN/TWCH/JPJP/MXSP	2012/4/18
M51-KYMCO	V1.01	TWCH	2012/3/1

VeDiS-II Yearly Update Project (YUP) Software

Software releases monthly for VeDiS-II EURO PRO YUP 2012 / VeDiS-II ASIAN PRO YUP 2012 YUP customers, please get the updates from website.

Technical Guidance

BMW F10 EMF (Electro-mechanical parking brake system) Removing and installing electronic parking brake pads

1. BMW EMF Introduction

BMW F10 is equipped with an electromechanical parking brake integrated in the brake calliper to instead of traditional hand brake.

The advantage of model equipped with EMF:

1. Reliable application and release of the electromechanical parking brake (EMF) under all conditions.
2. Operation on a EMF button and no need additional storage space for parking brake lever in the area of the center console.
3. Dynamic emergency braking function also at low friction ensured by the control systems (ABS)

2. Function of removing and installing electronic parking brake pads

To change the brake pads, the EMF actuator must be in the fully opened position so that the brake piston can be pushed back. The BMW diagnosis system can be used to trigger the EMF actuators and assume the fully opened position. This position is necessary to change the brake pads. Installation mode is set automatically on reaching

the installation position.

Due to safety reasons, the parking brake cannot be activated for as long as the EMF

control unit is in installation mode. The EMF indicator lamp in the instrument cluster will

flash yellow if the EMF is pulled.

After being changed, the parking brake pads must be fitted. This is necessary to ensure the brake pad and brake disc pairing assumes the specified friction parameters. Only then will the required braking force be reached.

3. Parking brake button and indicator light

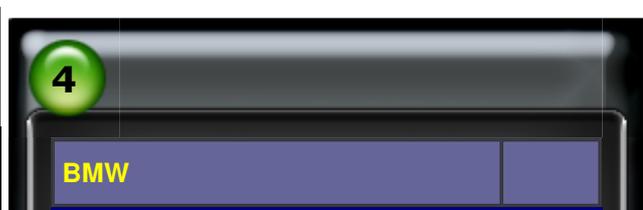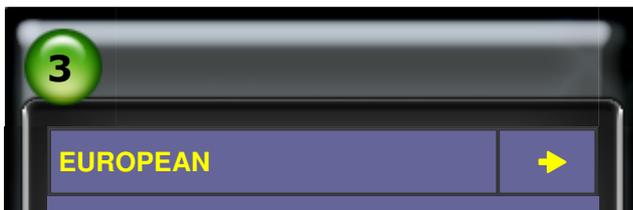Parking brake button on instrument panel

Parking brake applied   Installation mode or parking brake failed

How to perform this function utilizing iScan-II wt

● **Select Vehicle Diagnostic → EUROPEAN**

1

Main Menu	▶
1 Vehicle Diagnostic	
2 Component Test System (External Modules)	
3 IMS2 (Interface Module Simulation System)	
80 OBDII Standard Compliant Diagnostic	
81 J2534 (passthru)	
82 DOL Mode (Diagnostic On-Line)	

2

Vehicle Diagnostic	
1 EUROPEAN	
2 ASIAN	
3 USA	

● **Select BMW → BMW Diag**

3

EUROPEAN	➡

4

BMW	

1 VOLVO 2 MB **3 BMW** 4 CITROEN 5 FIAT 6 JAGUAR 7 LAND ROVER 8 OPEL 9 PEUGEOT 10 PORSCHE 11 RENAULT 12 SAAB	**1 BMW Diag** 2 BMW Coding 3 MINI

● **Select F Series->BMW Diag F Series 2011.12 USEN**

5		**6**	
BMW Diag ▶ 1 E Series **2 F Series**		**FSeries** 1 BMW Diag F Series 2011.12 TWCH **2 BMW Diag F Series 2011.12 USEN**	

● **Select 5 Series → F10/F11**

7 **System Selection (F Model)** 1 Series **2 5 Series** 3 6 Series 4 7 Series 5 X Series 77 Equipment Function Setup 88 Service Reset	**8** **5 series** 1 F07 **2 F10/F11** 3 F18
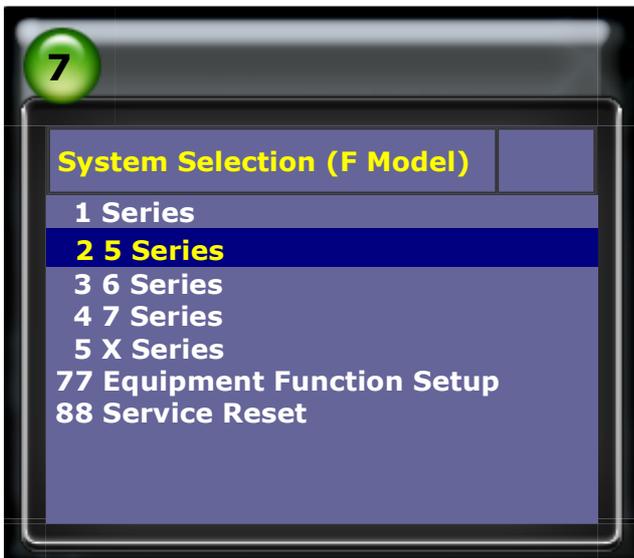
● **Select Control unit-> Chassis**

9 **F series** 1 Short test	**10** **Control unit**
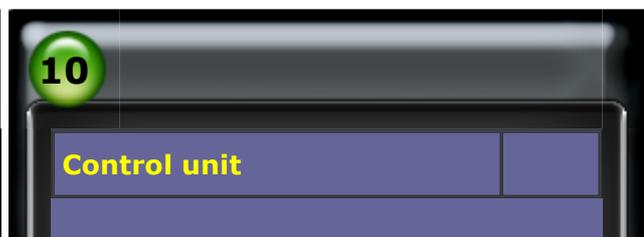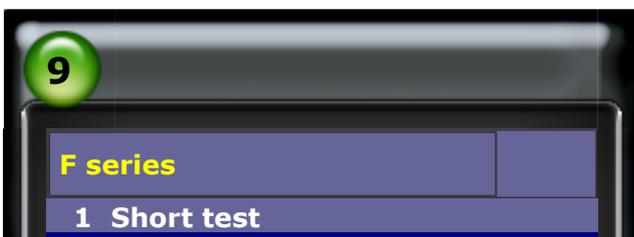
```
 2 Control unit                              1  Drive
                                             2  Chassis
                                             3  Body
                                             4  communication & information
                                             5  Air Conditioning
```

● **Select DSC**

```
11                                  12

  Chassis                             Identification(1/1)

  1 DSC (Dynamic Stability Control)   DSC
  2 EHC                               Version number
    (Electronic Ride-Height Control)  0F1060
  3 EMF (Parking brake)               Variant index
  4 AL/AFS (active steering)          987232
  5 EDCSHL                            Supplier
    (Damper satellite, rear left)     Bosch
  6 EDCSHR                            Date of manufacture (yy-mm-dd)
    (Damper satellite, rear right)
  7 EDCSVL                                                  2010-04-
    (Damper satellite, front left)    13
  8 EDCSVR                            Serial number
    (Damper satellite, front right)   1001150001
  9 ICM                               Chassis number        C501319
    (Integrated Chassis control)      VIN number
 10 RDC
    (Tire pressure control)           WBAFP310XBC501319
 11 VDM                               Programming count      2/ 30
    (Vertical Dynamics                Last Programming Date
 Management)
 12 EPS                                                     2011-02-
    (ELECTRONIC POWER                 16
 STEERING)                            Press ENTER to continue
```

● **Read fault code and need to replace brake pads**

```
13                                  14

  DSC                                 Fault 1/1 ID:480A12

  1  Identification                   480A12
  2  Read Fault Code                  Brake-pad wear, rear axle:
  3  Clear Fault Code                 replace
  4  Data Stream                      brake pads
  5  Activation
```

To set EMF in installation mode for changing parking brake pads.
● **Select 77 Equipment Function Setup->Parking brake**

15

System Selection (F Model)

  1 1 Series
  2 5 Series
  3 6 Series
  4 7 Series
  5 X Series
77 Equipment Function Setup
88 Service Reset

16

Function Service

  1 Car window initialise
  2 sliding/tilting sunroof initialise
  3 Register battery change
  6 Boot lid initialization
  7 Normalization, longitudinal seat
    adjustment
  9 Parking brake
  15 Electric steering-column
    adjustment
  16 Integrated Chassis control
(ICM)
    sensor system adjustment
  17 Lane change warning (SWW)
    sensor system initial operation
  18 Solar rain/light fogging sensor
    initialize

● **Select Workshop mode into installation mode**

17

Parking brake

  1 F10/F11
  2 F18

18

Parking brake

  1 Workshop mode
  2 Startup

● **Select Renewal of the brake caliper or brake pads**

19

Workshop mode

  1 Renewal of the brake caliper or
    brake pads
  2 Renewal of an actuator on the

20

Message!!

Pull the parking brake button and
wait for approximate 3 seconds
until
the parking brake is set.
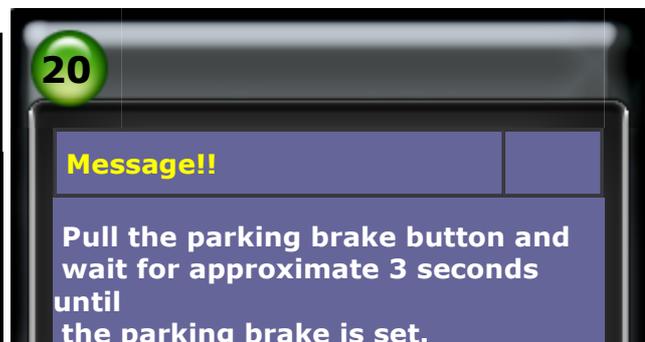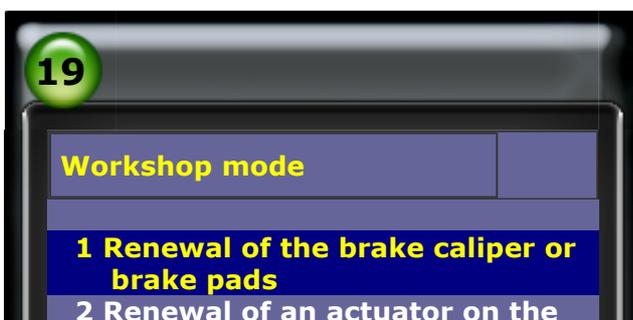
brake caliper

The setting of the parking brake is audible.

Press ENTER to continue

21

Message!!

Next, the parking brake is released.
To do this, activate the footbrake and press the parking brake button.
Releasing of the parking brake takes
approximate 3 seconds and is audible.

Press ENTER to continue

22

Message!!

In the next step, diagnostics are used to check whether both actuators of the parking brake are released."

Press ENTER to continue

23

Message!!

The 'released' state of the parking brake was identified correctly.
In the next step, the parking brake is
moved to the installation position and the mounting mode is activated.
Approximate 5 seconds are needed to reach the installation position.

24

Note!!

When the installation mode is activated, the parking brake button

is deactivated.
The parking brake function via the parking brake button is not available
in this case.
To deactivate the installation mode,

the parking brake must be started up.

Press ENTER to continue

- When the EMF control unit is in installation mode, the EMF indicator lamp in the instrument cluster will flash yellow if the EMF is pulled.
    To ensure the parking brake is in the installation position, please switch off ignition and
    follow the instruction to change the brake pads.

25

Message!!

26

Note!!

The installation position of the brake
caliper actuator was reached.
The installation mode is activated.
Switch off ignition.
Subsequently, a waiting time of at
least 30 seconds must be adhered to
until the plug connections on the
actuator can be detached.

Press ENTER to continue

The parking brake is in the
installation position.
Switch off ignition.
The brake calipers and the brake
pads can now be renewed according
to instructions.

Note: To deactivate the installation
mode, the parking brake must be
started up.

Press EXIT to break

● **Select Start-up**

27

Parking brake

  1 F10/F11
  2 F18

28

Parking brake

  1 **Workshop mode**
  2 Startup

29

Message!!
The park brake is started up using
this service function.
The parking brake is started up by
repeatedly releasing and setting the
parking brake by activating the
parking brake button.
Start-up must be conducted in the
following cases:
- Renewal of the parking brake
control unit
- Renewal of the parking brake
actuators
- Renewal of the parking brake
button
- Renewal of the brake caliper or
the
brake pads of the rear axle
The ignition must be switched on
during start-up.

30

Message!!
Press ENTER to continue

31

Message!!

The installation mode is deactivated
at the beginning of the start-up procedure.

Press ENTER to continue

32

Message!!

The parking brake must be released
at the beginning of the start-up procedure.

To do this, activate the footbrake and press the parking brake button.

Release of parking brake takes approximate 3 seconds and is audible.

Press ENTER to continue

33

Message!!

Set the parking brake.
Pull the parking brake button and wait for approximate 3 seconds until the parking brake is set.
The setting of the parking brake is audible.

Press ENTER to continue

34

Message!!

Release the parking brake again.

To do this, activate the footbrake and press the parking brake button.

Release of parking brake takes approximate 3 seconds and is audible.

Press ENTER to continue

35

Message!!

The parking brake has been started up successfully.
Note: After the brake caliper or brake pads of the rear axle are renewed, the parking brake will not function properly until after it has been activated a number of times.

Press EXIT to break

To do service reset via CBS when the service life of rear axle brake pad is due, and make
sure the brake pad sensor has been replaced before service reset.
● Select Service Reset -> CBS F10/F11

36

System Selection (F Model)

1 1 Series
2 5 Series
3 6 Series
4 7 Series
5 X Series
77 Equipment Function Setup
88 Service Reset

37

Service Reset

1 CBS F01/F02/F03
2 CBS F07
3 CBS F10/F11
4 CBS F18

38

CBS Reset

1 Engine Oil
2 Front brakes
3 Rear brakes
4 Brake fluid
5 Vehicle check-linked (if fitted)

39

Rear brakes

Rear brakes availability
0%
service counter
1
Press ENTER to RESET

40

Rear brakes

Rear Brakes Service has finished
Please REPLACE THE BRAKE PAD
SENSOR

Press EXIT to continue

41

Rear brakes

Rear brakes availability
100%
service
counter   2
Press ENTER to RESET