

2008.OCT.**06****Automotive Diagnostic Solutions****Exceed Your Expectations****Trade Show****AAPEX 2008**

Automotive Aftermarket Products Expo
 November 4th - November 6th, 2008
 Sand Expo Center, Las Vegas, NV USA
 Booth No. **5638**

**CARS 2008**

Congress of Automotive Repair & Service
 November 6th - November 8th, 2008
 Mandalay Bay Convention Center, Las Vegas, NV USA
 Booth No. **C8233**

Sincerely welcome to visit us at our booth.

iSCAN- II / D91 Latest Versions (September, 2008)

iSCAN- II HONDA	V1.01	English/Chinese/Japanese	2008-09-15
iSCAN- II BMW	V1.03	English/Chinese	2008-09-15
iSCAN- II BMW CODING	V1.00 SP3	English/Chinese	2008-09-15
iSCAN- II MB	V1.02	English/Chinese/Japanese	2008-09-15
iSCAN- II NISSAN	V1.02	English/Chinese/Japanese/ Spanish	2008-09-08
iSCAN- II FORD	V1.00 SP1	English/Chinese	2008-09-03
D91-HONDA	V2.51	English/Chinese/Japanese	2008-09-15
D91-BMW	V7.53 / V7.03	English/Chinese	2008-09-15
D91-BMW CODING LITE	V2.51 SP5	English/Chinese	2008-09-15
D91-MB PRO	V4.54 / V4.07 / V3.59 / V3.07	English/Chinese/Japanese	2008-09-15
D91-NISSAN	V4.02/V3.54	English/Chinese/Japanese/ Spanish	2008-09-08
D91-FORD	V2.50 SP3 / V2.02 SP3 / V1.51 SP5	English/Chinese	2008-09-03

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2008 / D91-ASIAN PRO YUP 2008

Technical Guidance

BMW: E38 ZKE CODING

For example: E38 735I Year 2001 General Module (GM) System

Introduction of BMW E38 General Module (GM):

General Module (GM) controls functions: (depends on options equipped on vehicle)

- Central locking and security
- Power window
- Sunroof
- Wiper and wash system
- Infrared remote control
- Automatic soft-closing system
- Seat
- Steering-column
- Mirror
- Burglar alarm system
- Servotronic

Problem Description:

The vehicle was driven for a period of time. The assisted steering functions malfunctioned when the car made a turn. Without assisted steering function, the steering wheel became heavy to steer.

Procedures of checking Servotronic:

1. Use iSCAN-II to connect with Base Module (GM), no fault code shows up.
2. Wires of the Servotronic valve were worn, replace the Servotronic valve.
3. If it still has the problem after test drive, the problem is from internal part of General Module (GM).
4. The only solution is to replace General Module (GM) and proceed the General Module (GM) coding.

General Module (GM) Coding:

1. After replacing the General Module (GM) without coding it, the parts will work abnormally and something unusual will happen. For example, the interior light or the sunroof may not work properly. So, it is necessary to coding the General Module (GM) after replacing it.
2. When coding the General Module (GM), please be sure that the battery should supply sufficient voltage. During the coding process, the insufficient voltage will damage the control module.
3. After coding General Module (GM), Radio Remote Key Transmitter Initialization is also requested.
4. According to the vehicle owner's preference, other functions like Central Locking, Power Window, Lighting, and Displays/Language can be set from **CAR MEMOERY** or **KEY MEMORY** by iSCAN-II.

Description of Radio Remote Key Transmitter Initialization:

After replacing General Module, it is necessary to do **Radio Remote Key Transmitter Initialization**. The procedure of initialization allocates the key transmitter to the General

Module. During initialization, a code is generated in the key and transferred to the General Module. The code is stored in the key transmitter and also in the General Module. The General Module recognizes the keys belonging to the system on basis of this code. Maximum 4 keys can be initialized for each vehicle. The codes of all other keys are deleted when a key is re-initialized. This means that all the keys must be initialized simultaneously.

Procedures of Radio Remote Key Transmitter Initialization:

1. Unlock vehicle via central locking.
2. Carry out key transmitter in the vehicle and close all doors.
3. Briefly switch on terminal R within 5 seconds and switch off again. The system is now ready to be initialized.
4. Point in direction of rear window antenna, press and hold "unlock" button on the key transmitter, then press "lock" button 3 times within 10 seconds. Now, a new code is generated in the key.
5. After releasing both "unlock" and "lock" buttons, the General Module will lock and unlock the central locking system. It means the initialization of the key transmitter is now successful.

*PS. To initialize the other keys, repeat the procedures within 30 seconds as Point 4.

*PS. Terminal R must **NOT** be varied during this procedure of the initialization. Or it will stop the initialization of the key transmitter.

Steps on iSCAN-II:

BMW ZKE coding, for example E38

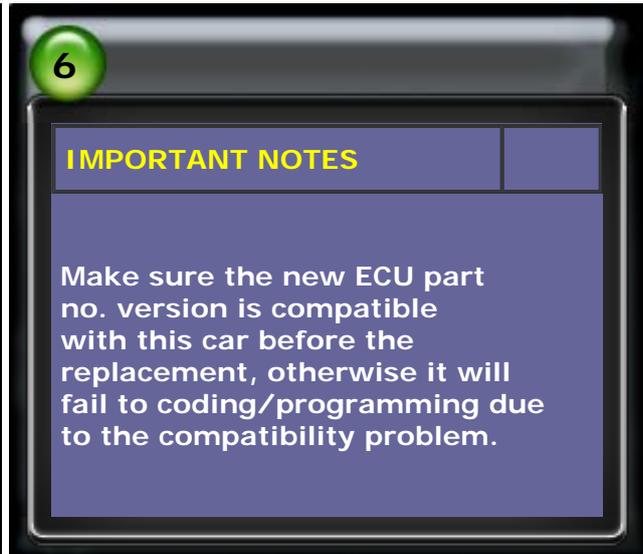
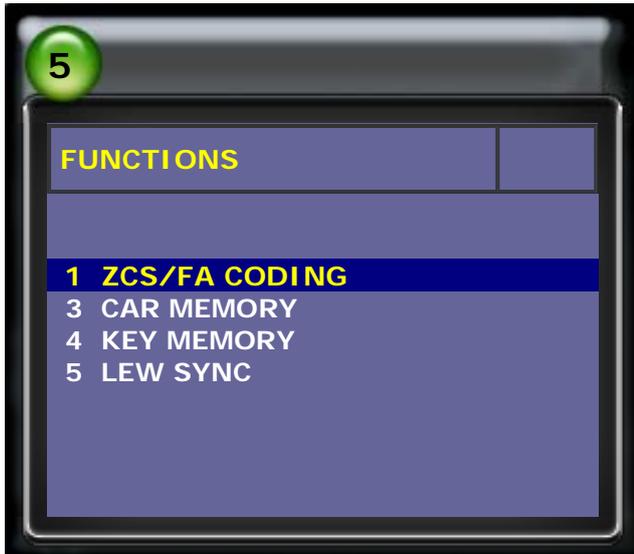
1. Select **Vehicle Diagnostic** → select **EUROPEAN**



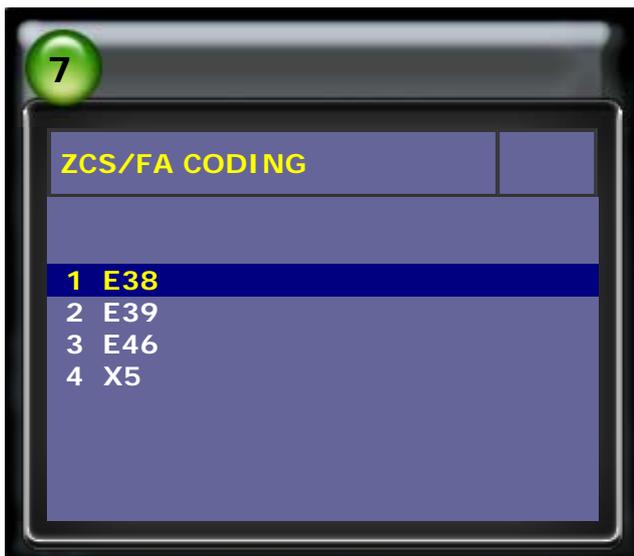
2. Select **BMW GT2** → select **BMW Coding** software



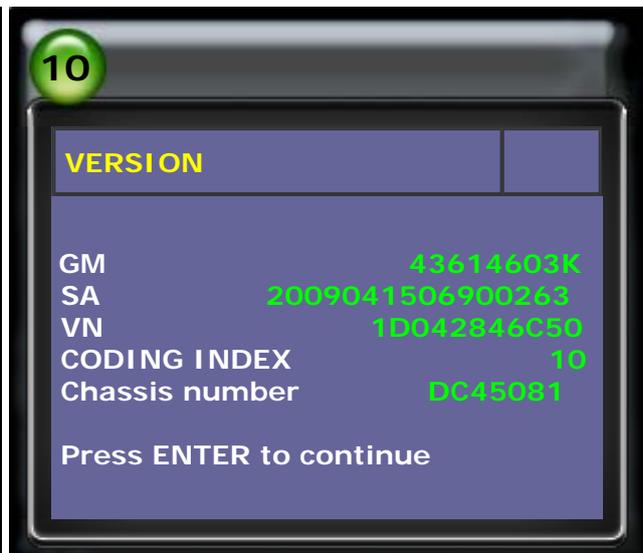
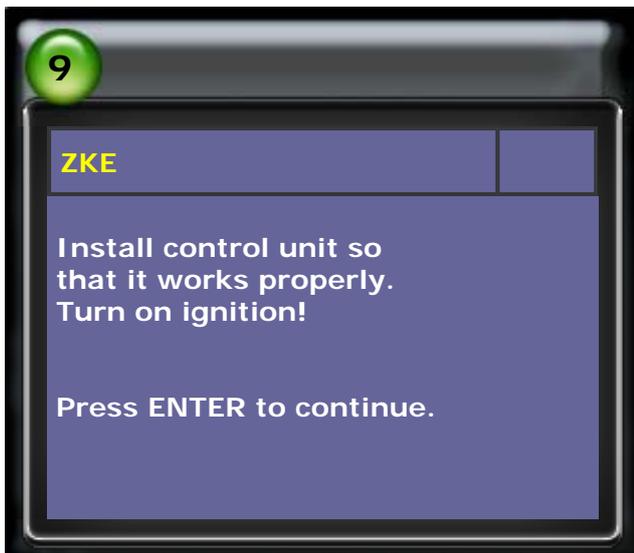
3. Select **ZCS/FA CODING** → confirm important notes and press ENTER to continue

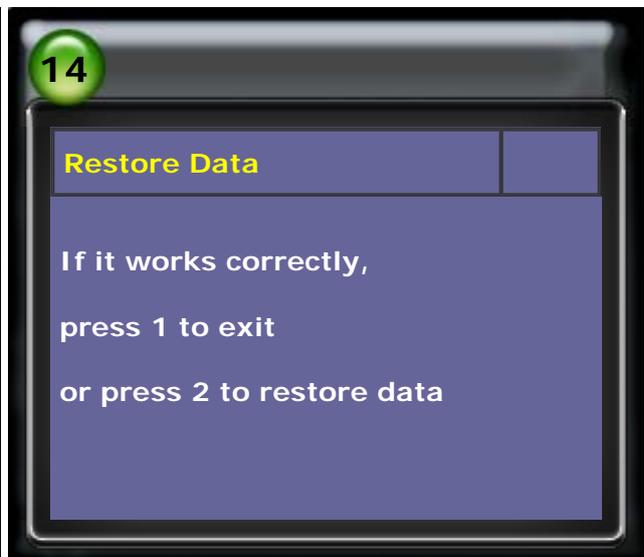
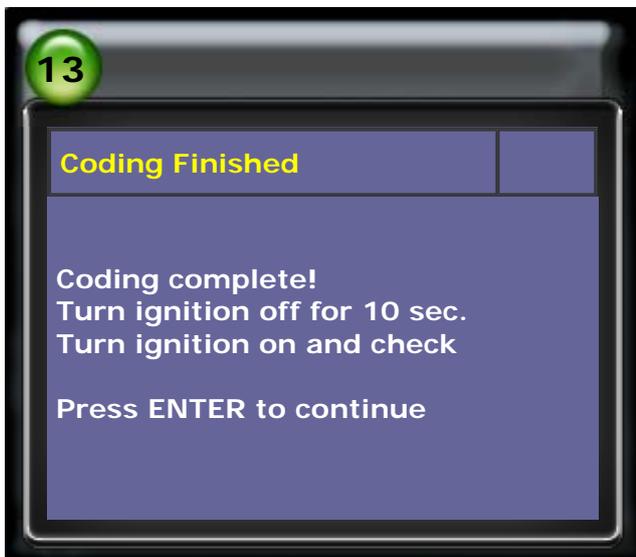
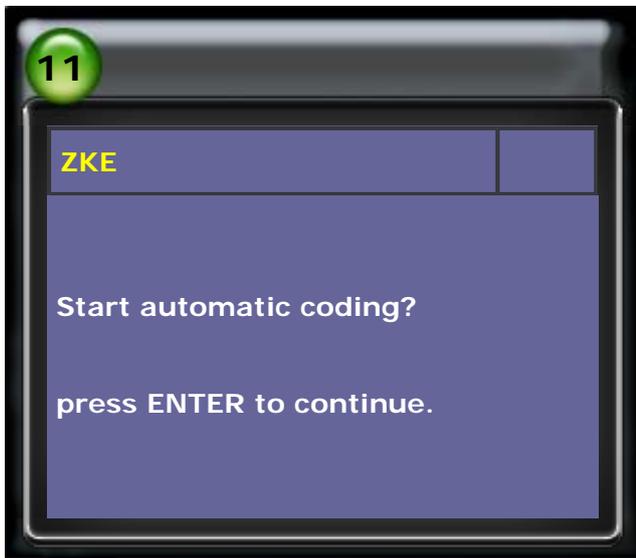


4. Select **E38** → select **ZKE**

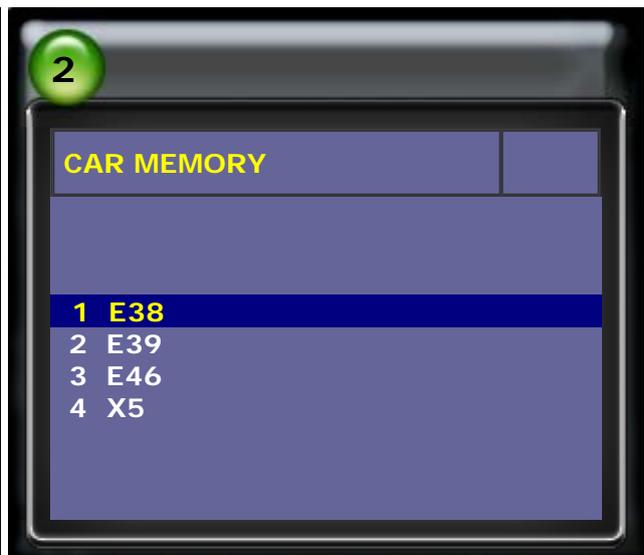


5. Follow the steps and press ENTER to continue.





CAR MEMORY (for exmaple: Automotic locking after starting drive)



2 Central locking system

- 3 Power window / sliding / tilt sunroof
- 4 Lighting
- 5 Displays/language

- 1 Remote control interior light
- 5 Lock again without open within 2 min.
- 6 Automatic locking after starting drive**

5

Central locking

Auto lock after start drive

- 1 ACTIVE**
- 2 INACTIVE

6

Central locking

1. Switch ignition off and on again!
Do you want to set the vehicle with the specified parameters?

2. Press Enter to continue

7

Central locking

Start automatic coding?

Press ENTER to continue

8

Coding Finished

The central coding code not changed.
Coding complete!

Turn ignition off for 10 sec.
Turn ignition on and check

KEY MEMORY (for exmaple: Automotic locking after starting drive)

1

FUNCTIONS

- 1 ZCS/FA CODING
- 3 CAR memory
- 4 KEY MEMORY**
- 5 LEW SYNC

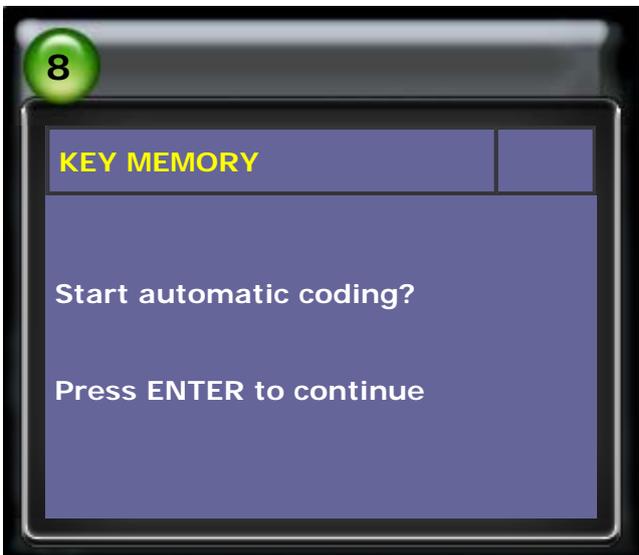
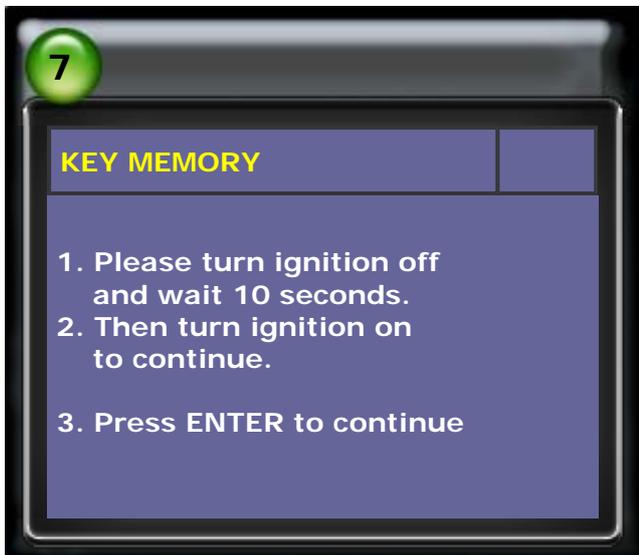
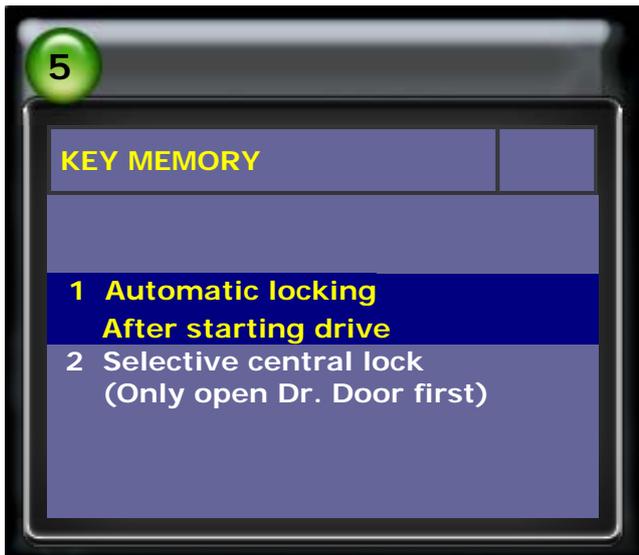
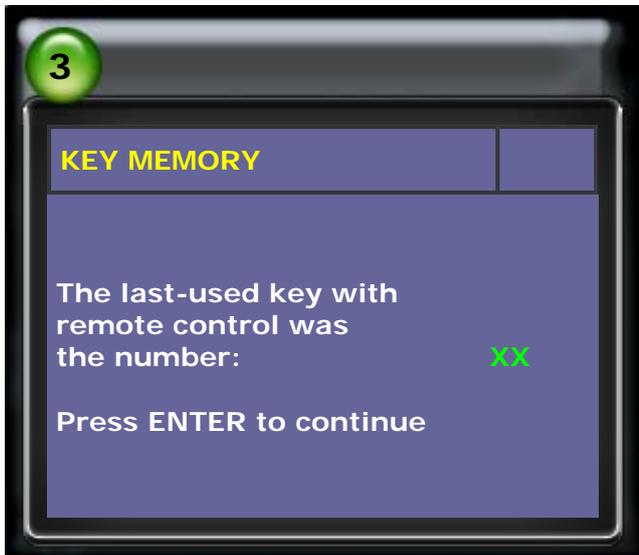
2

KEY MEMORY

- 1 E38**
- 2 E39
- 3 E46
- 4 X5



If the key number is XX, it means that the General Module didn't receive the number of last-used key with remote control. Please proceed the Radio Remote Key Transmitter Initialization first.



9

KEY MEMORY

Automatic coding...
please wait...

10

Coding Finished

The central coding code
not changed.
Coding complete!

Turn ignition off for 10 sec.
Turn ignition on and check

Press EXIT to end