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1. Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and/or the scan tool. Read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle.

 • Always perform automotive testing in a safe environment.
 • Wear safety eye protection that meets ANSI standards.
 • Keep clothing, hair, hands, tools, test equipment, etc. Away from all moving or hot engine parts.
 • Operate the vehicle in a well ventilated work area: Exhaust gases are poisonous.
 • Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
 • Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. Theses components create hazardous voltages when the engine is running.
 • NEUTRAL (for manual transmission) and make sure the sparking brake is engaged.
 • Keep a fire extinguisher suitable for

gasoline/chemical/electrical fires nearby.
- Don't connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the scan tool dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool, when necessary.

2. Using the Scan Tool

2.1 Tool Description

① **DLC --** Data Link Connector (DLC), Use to connect the scan tool to the vehicle;
② **LCD DISPLAY** -- Indicates test results. Color,

320 x 240 pixel display with contrast adjustment
③ KEY BROAD - include [▲][▼][◀][▶][↵]
[←] [HELP]
④ USB PORT -- Use to connect the scan tool to
PC;

2.2 Specifications
A) **Display:** Color, 320 x 240 pixel display with
contrast adjustment
B) **Operation Temperature:** -20 ℃ -- 75 ℃
C) **Storage Temperature:** -40 ℃ -- 120 ℃
D) **Power:** 8V -- 24V
E) **Dimensions:**

Length	Width	Height
135mm	85mm	26mm

F) **Weight**
Net Weight: 250 g
Gross Weight: 450 g

2.3 Accessories Include
A) **User's Manual** - Instructions on tool
operations.
B) **USB Cable** - Used to upgrade the scan tool.

C) **CD** – save the update tool and user's manual.

D) **Optional accessories**
   OBD-16 to BMW-20 Socket – use test the car of BMW made before 2000

2.4 Product Troubleshooting
Vehicle Linking Error

A communication error occurs if the scan tool fails to communicate with the vehicle's ECU (Engine Control Unit). You need to do the following to check up:

A) Verify that the ignition is ON;

B) Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;

C) Verify that the vehicle is OBD2 compliant;

D) Turn the ignition off and wait for about 10 seconds. Turn the

E) Ignition back to on and continue the testing.

F) Verify the control module is not defective

Scan tool doesn't power up

If the scan tool won't power up or operates incorrectly in any other way, you need to do the following to check up:

A) Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;

B) Check if the DLC pins are bent or broken. Clean the DLC pins if necessary.

C) Check vehicle battery to make sure it is still good with at least 8.0 volts.

3. Software Function

CATION: Don't connect or disconnect any test equipment with ignition on or engine running.

1) Turn the ignition off.
2) Locate the vehicle's 16-pin Data Link Connector (DLC)
3) Plug into the scan tool cable connector to the vehicle's DLC , the scan tool will be light. As shown
4) Turn the ignition on. Engine can be off or running

5) Press any key to enter Main Menu.

```
                    MENU
  DIAGNOSE
  SYSTEM CONFIGURATION



       OK          1/1         BACK
```

USE the key [▼][▲] to select in the [**Main Menu**] , and press [◄┘] to selection

3.1 System Configuration

Select [**SYSTEM CONFIGUARATION**] in the Main Menu and press [◄┘]. The screen will display the interface as shown below:

```
                    MENU
  SYSTEM INFORMATION
  BEEPER



       OK          1/1         BACK
```

The scanner allows you to make the following adjustments settings;

1) [SYSTEM INFORMATION]: show the system information
Choose [SYSTEM INFORMATION] and press [⏎].
The screen will display the interface as shown below:

```
┌─────────────────────────────────────┐
│               MENU                  │
├─────────────────────────────────────┤
│ Serial Number:                      │
│      C31000023402                   │
│ Hardware Ver: 1.0                   │
│ Software: BMW                       │
│ Software ver: V2.8                  │
│ SW date: 2012-03-26                 │
│                                     │
├──────────────┬──────────┬───────────┤
│              │   1/1    │   BACK    │
└──────────────┴──────────┴───────────┘
```
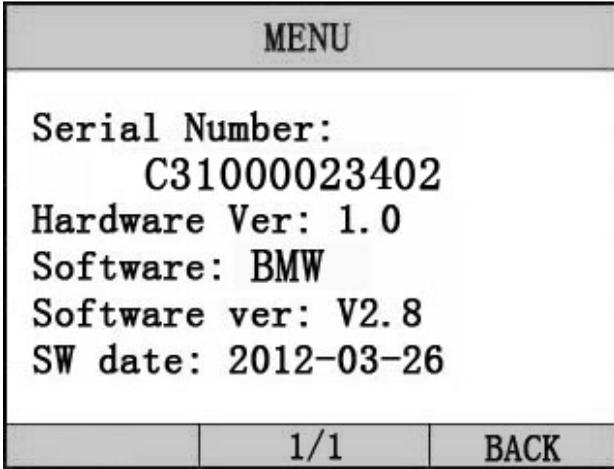
Press [⏎] or [⬅] to return the [Main menu]
2) [BEEPER]: ON / OFF the beep.
Choose [BEEPER] and press [⏎], the screen will display
the interface as shown below:

```
┌─────────────────────────────────────┐
│               MENU                  │
├─────────────────────────────────────┤
│ OPEN                                │
├─────────────────────────────────────┤
│ CLOSE                               │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├──────────┬──────────┬───────────────┤
│    OK    │   1/1    │    BACK       │
└──────────┴──────────┴───────────────┘
```
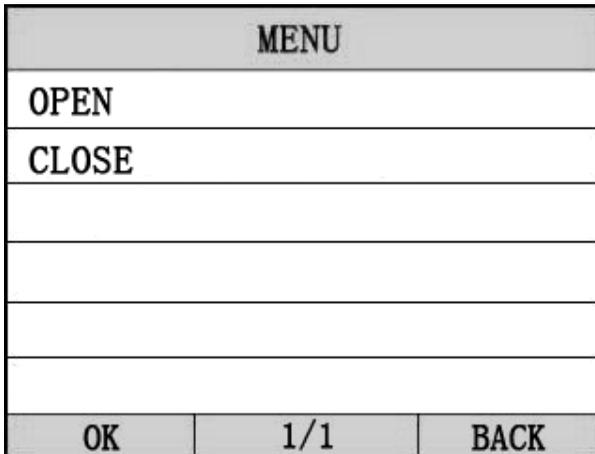
Press [▲][▼] to select, and press [⏎] to confirm.

4. Diagnostics

Select [DIAGNOSE] in **Main Menu** and press [←].
The screen will display the interface as shown below:

MENU		
1 Series		
3 Series		
5 Series		
6 Series		
7 Series		
X Series		
OK	1/2	BACK

Press [▲][▼] to select, [◄] and [►] to Page, and press
[←] to confirm.

Select the Series of the vehicle, and press [←].
The screen will display the interface as shown below:

MENU		
X3_E83		
X5_E53		
X5_E70		
X6_E71		
X1_E84		
OK	1/1	BACK

Press [▲][▼] to select, [◀] and [▶] to Page, and press [↵] to confirm.

Select the Chassis of the vehicle, and press [↵].
The screen will display the interface as shown below:

MENU		
Driver		
Chassis		
Body		
OK	1/1	BACK

Press [▲][▼] to select, [◀] and [▶] to Page, and press [↵] to confirm.

Select the model of the vehicle, and press [↵].
The screen will display the interface as shown below:

MENU		
DME [Digital Motor Elect]		
DDE [Diesel Electronics]		
EGS [Transmission control]		
EWS [Elec.immobilize sys.]		
VTG [Gearbox Control]		
EKPS [Fuel-pump control]		
OK	1/1	BACK

Press [▲][▼] to select, [◀] and [▶] to Page, and press [↵] to confirm.

When you select one system of the vehicle, A sequence of messages displaying the BMW mode protocols will be observed on display until the vehicle protocol is detected.

◆ if the scan tool fails to communication with the vehicle's ECU, a "ERROR" message shows up on the display

```
┌─────────────────────────────────────┐
│              MESSAGE                 │
├─────────────────────────────────────┤
│ Communication error!                │
│ please make sure:                   │
│ 1. System equipped?                 │
│ 2. Cable connect ok?                │
│ Maybe you can turn key off,         │
│ then turn on the key, and try       │
│ again                               │
├──────────────┬──────────┬───────────┤
│              │   1/1    │   BACK    │
└──────────────┴──────────┴───────────┘
```
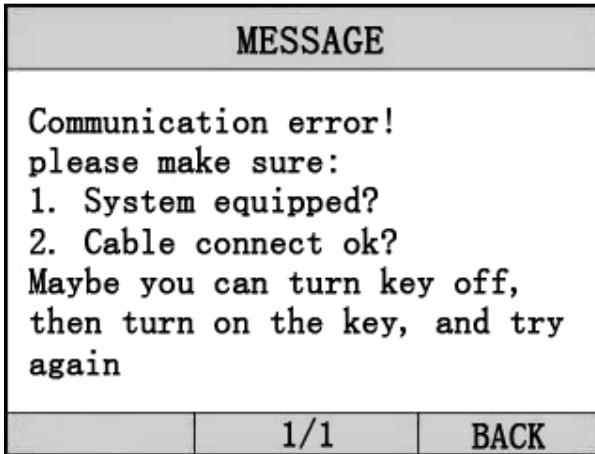
if the scan tool communicate with the vehicle, it will enter the [function menu], the screen will display the interface as shown below:

```
┌─────────────────────────────────────┐
│               MENU                  │
├─────────────────────────────────────┤
│ Read Trouble Code                   │
├─────────────────────────────────────┤
│ Erase Trouble Code                  │
├─────────────────────────────────────┤
│ Read Datastream                     │
├─────────────────────────────────────┤
│ Information                         │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├──────────┬──────────────┬───────────┤
│    OK    │     1/2      │   BACK    │
└──────────┴──────────────┴───────────┘
```
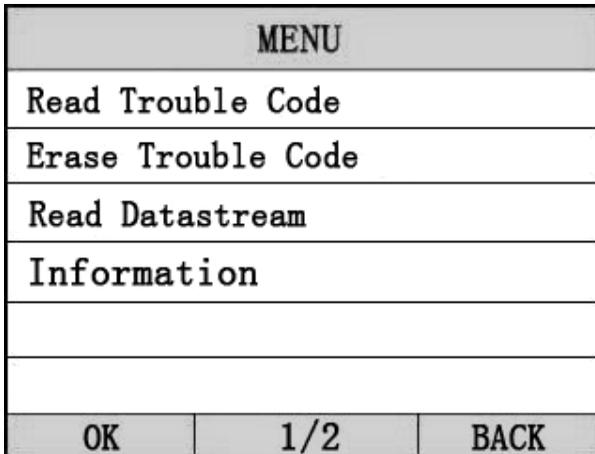
Press [▲][▼] to select, [◀] and [▶] to Page, and press [↵] to confirm.

4.1 Read Trouble Code

　◆Reading Codes can be done with the key on

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engine off (KOEO) or with the key on engine running (KOER).

◆Trouble codes cause the control module to illuminate the malfunction indicator lamp (MIL) when emission-related fault occurs.

select [Read Trouble Code] and press [⏎] in [Diagnostic Menu]. If there are some codes, the screen will display the codes as show below:

MENU
P0602 Control Module Programming error
P0614 ECM/TCM Incompatible
OK   1/1   BACK

Press [⏎] or [⬅] to return the [Diagnostic menu]

View DTCs and their definitions on screen.
If there are no Diagnostic Trouble Codes present, the display indicates "No Trouble Code" Wait a few seconds or press any OK to return to Diagnostic Menu. The control module number, sequence of the DTCs, total number of codes detected and type of codes (Generic or Manufacturer specific) will be observed on the upper right hand corner of the display.

4.2 Erasing Codes

CAUTION: Erasing the Diagnostic Trouble Codes may allow the scan tool to delete not only the codes from the vehicle's on-board computer,

● This function is performed with key on engine off (KOEO). Do not start the engine.

Select [Erase Trouble Code] and press [⏎] in [Diagnostic Menu]. the screen will display the interface as shown below:

```
┌─────────────────────────────────┐
│            MESSAGE              │
├─────────────────────────────────┤
│                                 │
│                                 │
│                                 │
│     fault codes is erased.      │
│                                 │
│                                 │
│                                 │
├──────────────┬──────────┬───────┤
│              │   1/1    │ BACK  │
└──────────────┴──────────┴───────┘
```
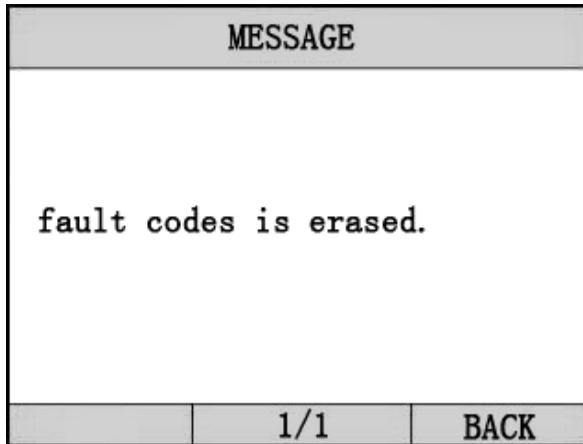
Press [⏎] or [⟵] to return the [Diagnostic menu]

Notes:
  ＊Before performing this function. Make sure to retrieve and record the trouble codes.
  ＊After clearing, you should retrieve trouble codes once more or turn ignition on and retrieve codes again. If there are still some trouble codes for hard troubles, please find the reason caused the trouble code first, and then solve the problem. Now, the trouble codes can be erased.

4.3 Read DataStream

The Read DataStream function allows viewing of live or real time data of vehicle's computer module(s). This function is not supported for some system.

Press[▲][▼] to select [**Read DataStream**] in [Diagnostic Menu] and press [◀━] to confirm. The screen will display the interface as shown below.

Data model

MENU		
DTCs Stroed in this ECU		1
Fuel System 1 Status		ON
Engine RPM		760
Intake Manifold Absolute Pressure		121 kPa
GRAPH	1/1	BACK

If appear [**GRAPH**], Press [◀━] to enter Graph mode.
Press [◀━] to return [**Diagnostic Menu**]
the screen will display the interface as below:
Graph model
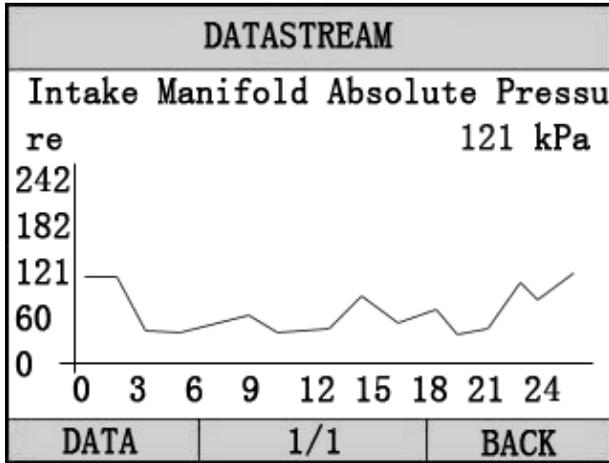
Press [⏎] to return data model. Press [←] to return [DIAGNOSTIC MENU].

4.4 Vehicle Information

Vehicle Information function is to display the ECU information, including Software version, hardware version, diagnostic index, pro. Date, part number ECT. This function is not supported by some system.

Select [Vehicle information] in the [Diagnostic Menu], and Press [⏎]. The screen will display as shown below:

```
┌─────────────────────────────────────┐
│              MESSAGE                 │
├─────────────────────────────────────┤
│                                      │
│   Part Num:    305784                │
│   Code index: 23                     │
│   Diag index: 2H                     │
│   Hw number:  33                     │
│   Vart index: 69                     │
│    (DD,MM,YYYY): 20.02.2004          │
│                                      │
├──────────────┬───────────┬──────────┤
│              │    1/1     │   BACK   │
└──────────────┴───────────┴──────────┘
```

Press [⏎] to return data model. Press [←] to return

[DIAGNOSTIC MENU].

5. Software update

1. Setup Update tools
   Put the CD in to PC and open. you can see the setup file in the CD.

Double click the [Setup file] to setup the tool.
Operate follow the instructions , and finish to setup.

Setup the software in your computer.
After finish setup , there is a icon of [Creator] in desktop.

2. Run the update tool
    Double cleck the update tool icon and Run the update tool and Operate in accordance with photographs

1) Used the USB cable connected to C100 scanner and PC
2) Run the update software.

1) Click [Update] button. it will show the Select window

2) Click [▼] and change the path to find the update file

   (HONDA_CREATOR_XXXXXX.BIN)

3) Select update file and click [open] button.

4) Into the upgrade interface, wait for the end of upgrade

WARNNING:

   Do not power off during upgrade!

   Do not Plug or Unplug USB tools during upgrade!

3. Start Update
       Waiting for a few minutes. The software will update
the scanner tool.

Finish Update
       When the update is finished , the screen on PC will
show as below.

If update success, the software wil display [Update success!]; if update not success, it will display [Update fail! Try again].
Press [finish], the scanner is already updated , and you can unplug the scanner from PC.