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Trade Show

MechanEx 2011
Tue 20th and Wed 21st Sept. 2011
Stoneleigh Park, Warwickshire, United Kingdom
Booth Number: B13

We look forward to greeting you there!

iSCAN-II / D91 Latest Versions (June, July, 2011)

iSCAN-II OPEL	V1.03	English/Chinese	2011-06-01
iSCAN-II IMS2-BMW	V4.00	English/Chinese	2011-06-08
IMS2-BMW	V4.00	English/Chinese	2011-06-08
iSCAN-II DAIHATSU	V4.00/3.01	English/Chinese/Japanese	2011-06-09
iSCAN-II IMS2-MB	V5.00	English/Chinese/Japanese	2011-06-10
IMS2-MB	V5.00	English/Chinese/Japanese	2011-06-10
iSCAN-II IMS2-VLV	V3.00	English/Chinese/Japanese	2011-06-10
iSCAN-II PC Scanner	V3.04	English/Chinese/Japanese	2011-06-16
iSCAN-II MIT	V4.00/3.02/2.05	English/Chinese/Japanese	2011-07-04
iSCAN-II CMC	V1.00SP2	English/Chinese	2011-07-04
iSCAN-II TOYOTA	V5.00	English/Chinese/Japanese	2011-07-06
iSCAN-II MB1/MB2/MB3	V4.01	English/Chinese/Japanese	2011-07-06
iSCAN-II MB	V3.05/2.06/1.08	English/Chinese/Japanese	2011-07-06
iSCAN-II VOLVO	V4.00/3.02/2.04/1.04	English/Chinese	2011-07-06
IMS2-VOLVO	V3.00	English/Chinese/Japanese	2011-06-10
iSCAN-II ISUZU	V4.01	English/Chinese/Japanese	2011-07-13
			2011-07-

IMS2-VASS AddOn	V2.01	English/Chinese	20
iSCAN-II GM	V3.02	Japanese	2011-07-27
PS-Module File Manager	V6.02	English/Chinese	2011-07-14
SYSTEM	V1.05	English/Chinese/Japanese	2011-07-14
VM-IMS2-MB	006B1	English/Chinese	2011-06-10
VM-IMS2-VOLVO	003B1	English/Chinese	2011-06-10
D91-OPEL	V1.63	English/Chinese/Japanese	2011-06-01
D91 DAIHATSU	V5.00/4.01	English/Chinese/Japanese	2011-06-09
D91-CMC	V1.00SP3	English/Chinese/Japanese	2011-07-04
D91 MIT	V7.00/6.02/5.05	English/Chinese/Japanese	2011-07-04
D91-TYT	V8.00	English/Chinese/Japanese	2011-07-06
D91 ISUZU	V5.01	English/Chinese/Japanese	2011-07-13
OPEL-TW	2011.06	Chinese	2011-06-03
DAIHATSU	2011.06	English/Chinese/Japanese	2011-06-09
BMW Programming	2011.06	English/Chinese	2011-06-10
BMW DIAG	2011.06	English/Chinese/Japanese/Korean	2011-06-14
HINO Truck	2011.07	English/Chinese	2011-07-04
ISUZU Truck	2011.07	English/Chinese	2011-07-04
UD Truck	2011.07	English/Chinese	2011-07-04
MITSUBISH	2011.07	English/Chinese/Japanese	2011-07-06
TOYOTA	2011.07	English/Chinese/Japanese	2011-07-06
MB1/MB2/MB3	2011.07	English/Chinese/Japanese	2011-07-06
MB LITE	2011.07	English/Chinese	2011-07-06
VOLVO	2011.07	English/Chinese/Japanese	2011-07-06
MAZDA	2011.07	English/Chinese/Japanese	2011-07-08
ISUZU	2011.07	English/Chinese/Japanese	2011-07-21
ISUZU ELF	2011.07	English/Chinese/Japanese	2011-07-21
TOYOTA	2011.07SP1	English/Chinese/Japanese	2011-06-02

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2011 / D91-ASIAN PRO YUP 2011.
YUP customers, please get the updates from website.

Technical Guidance

Mercedes-Benz (WSS) Weight sensing system Replacement

1. WSS Introduction

- **Standard Air bag**
  In the 1980's, an airbag is a high technical vehicle safety device between steering wheel and occupants to prevent occupants from hitting interior objects such as the steering wheel, dashboard, and windshield.
  The primary components of air bag consist of impact sensors, airbag control unit, ignition circuit, bag and so on.
  The signals from the impact sensors and airbag control unit which determines: the angle of impact, the severity or force of the crash along with other variables. When the requisite threshold has been reached, the airbag control unit will trigger the ignition of a gas generator propellant to rapidly inflate the bag to protect occupants.

- **Advanced Air bag**
  Advanced air bag systems use sensors that automatically detect the severity of the crash, the occupant's size/weight, safety belt use, or seating position, and deploy the appropriate level of power to the driver's and passengers air bags. Also, Advanced air bag systems may avoid the waste of airbag unnecessary depoly airbag and enhance the safekeeping.
  The WSS control systems is advanced air bag have two additional components than a standard airbag. These additional components are WSS (WSS sensor) and the software (WSS control module), and the WSS (weight sensing system) usually equipped in the US car.

2. Model equipped with WSS

The US model equipped with WSS (weight sensing system) as following:

- E-class W211 After 2004/03
- CLS-class W219 After 2006/06
- M-class W164 After 2006/07
- R-class W251 After 2006/07

3. The advantage of model equipped with WSS (weight sensing system)

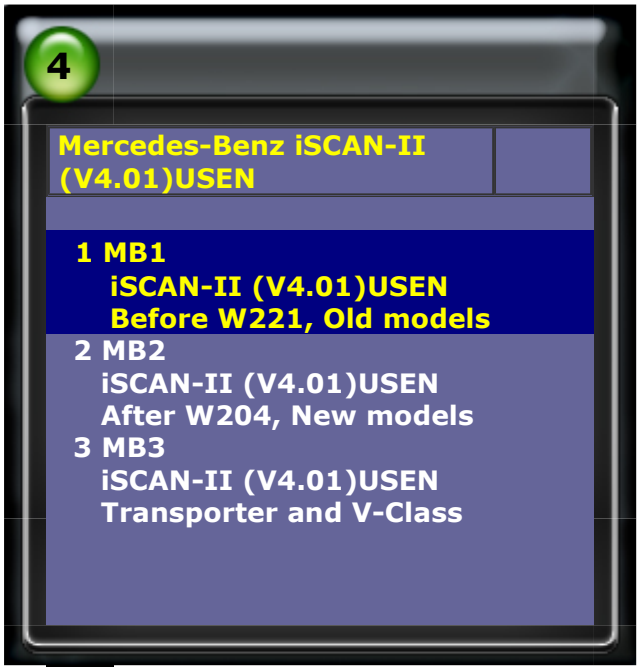
- Automatically detect the occupant's size/weight to deploy the appropriate level of power on air bags.
- The air bag will not deploy when no one's on the seat to avoid unnecessary deployment.

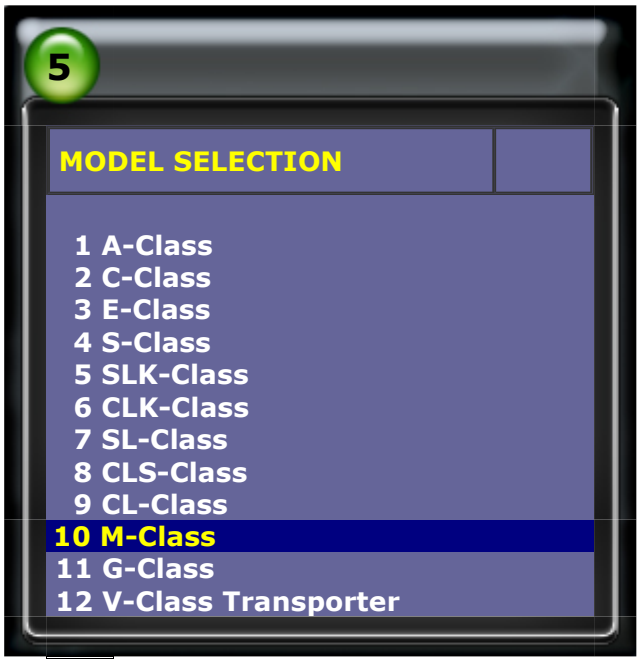
4.Procedures on iSCAN-II wt:

1. Select Vehicle Diagnostic-> select EUROPEAN

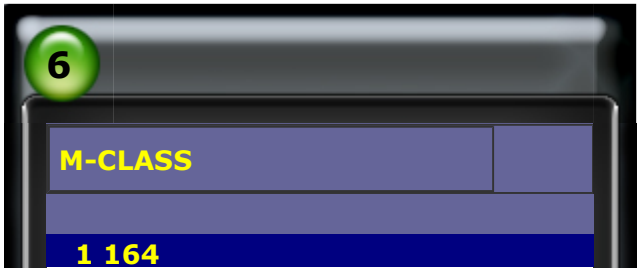
- **Select Mercedes-Benz iSCAN-II (V4.01)USEN**

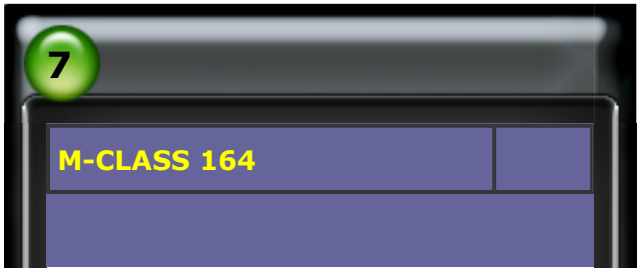
- **Select MB1 iSCAN-II (V4.01)USEN Before W221, Old models and M-Class**

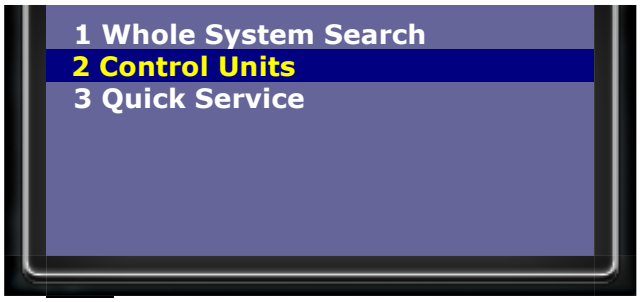




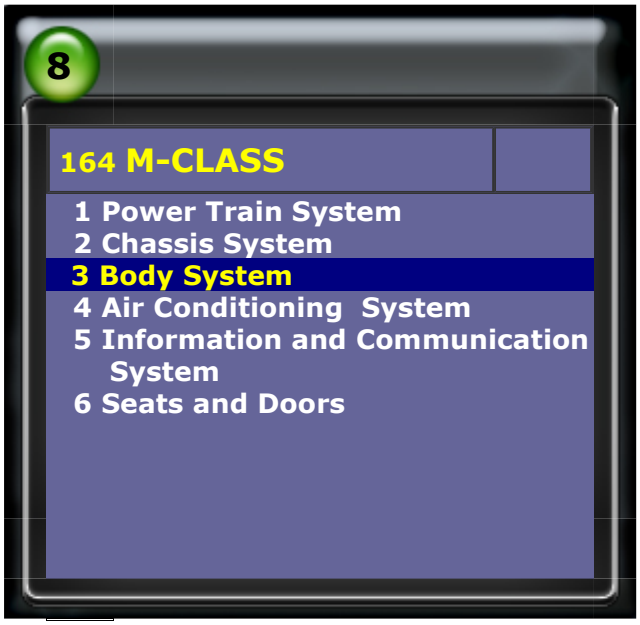
- **Select M-Class 164, then select Control Units**

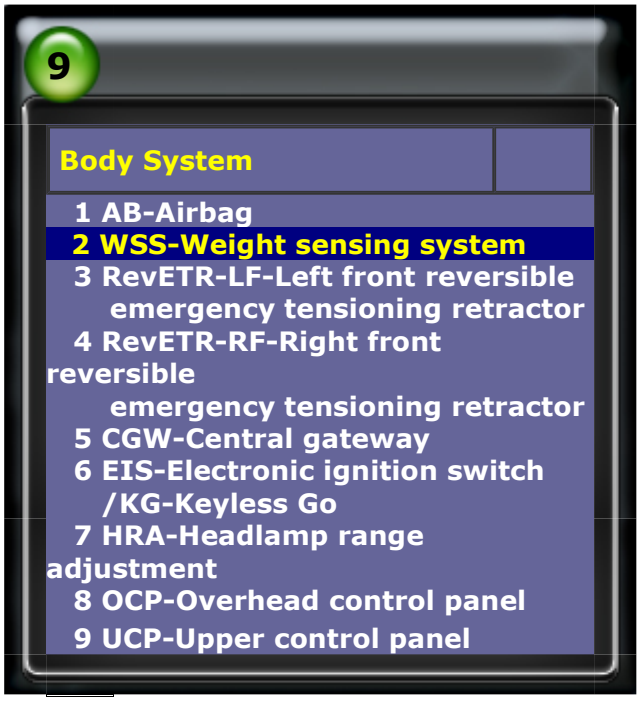




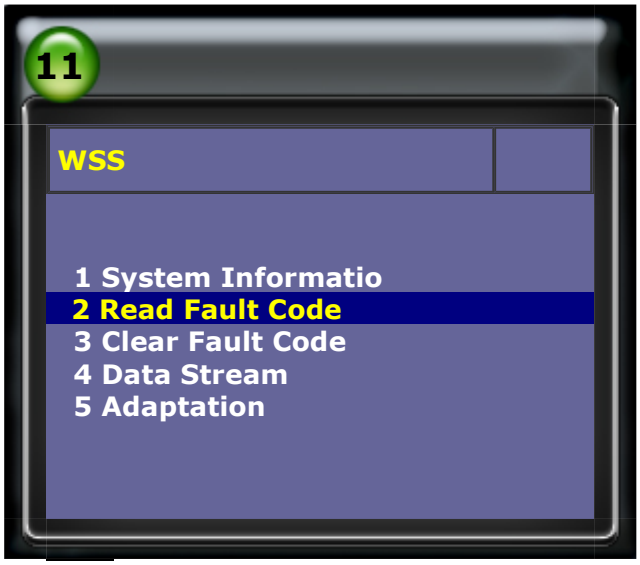


- **Select Body System, then select WSS- Weight sensing system**

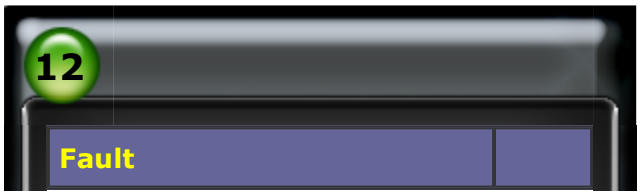




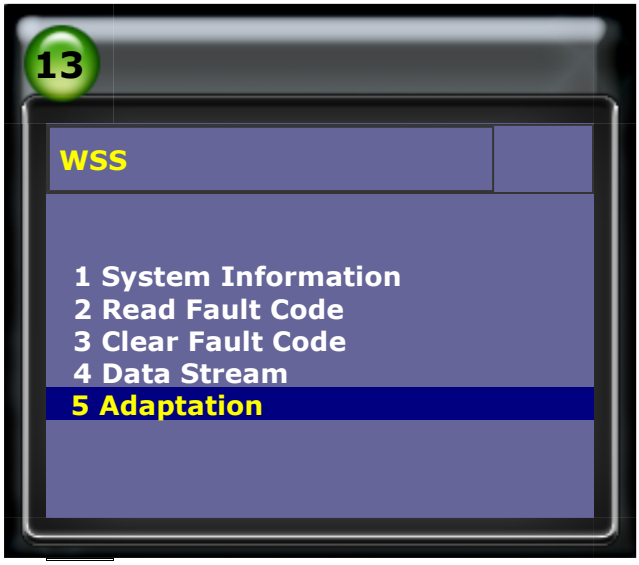
- **Select Read Fault Code**

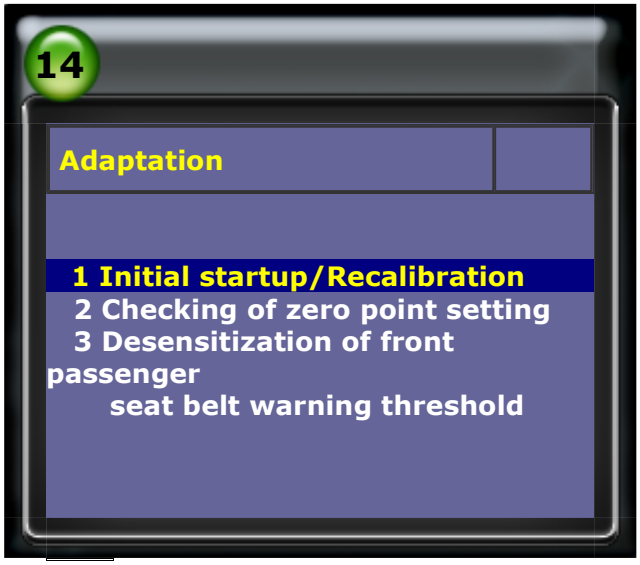


- **Fault code 9A10 B48/12 (Right front WSS(Weight Sensing System) sensor) is defective.** - **When the airbag light blinks, must replace B48/12 (WSS sensor).**

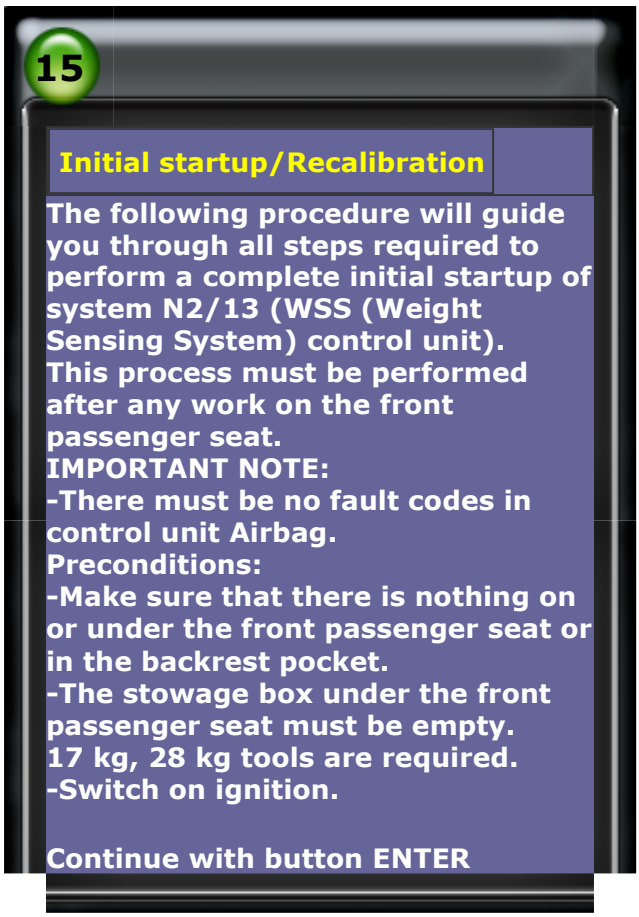


- **After replace WSS sensor, must proceed seat weight calibration setting.**
- **Select Adaptation, then select Initial startup/Recalibration**

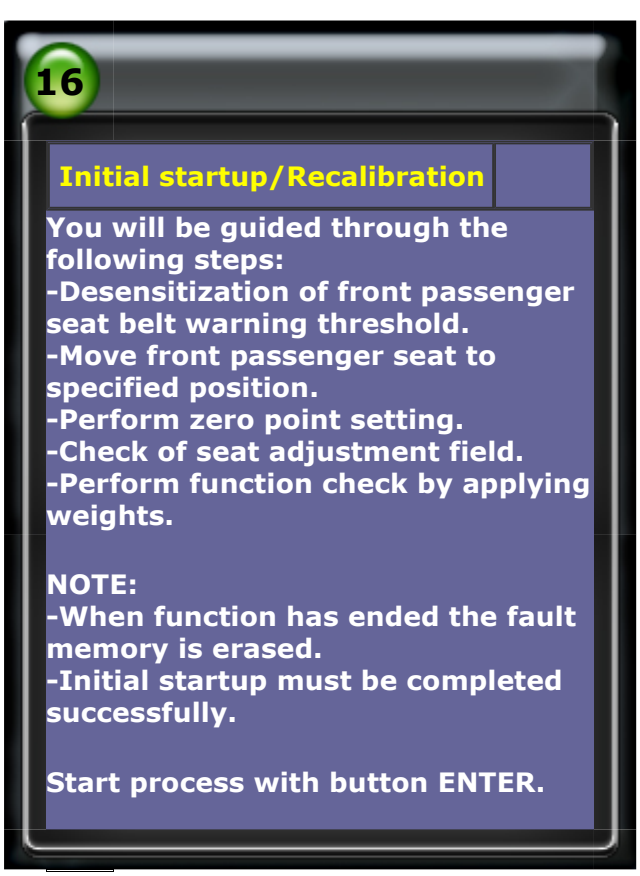


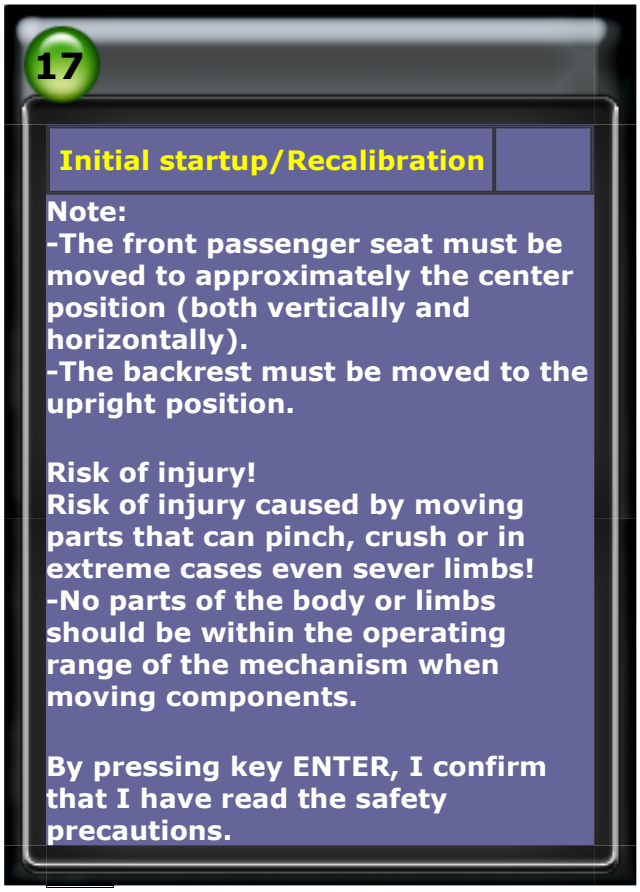


- **Before implementing weight calibration, please check and have the weights prepared and follow below steps to proceed. (17Kg and 28 Kg weight)**

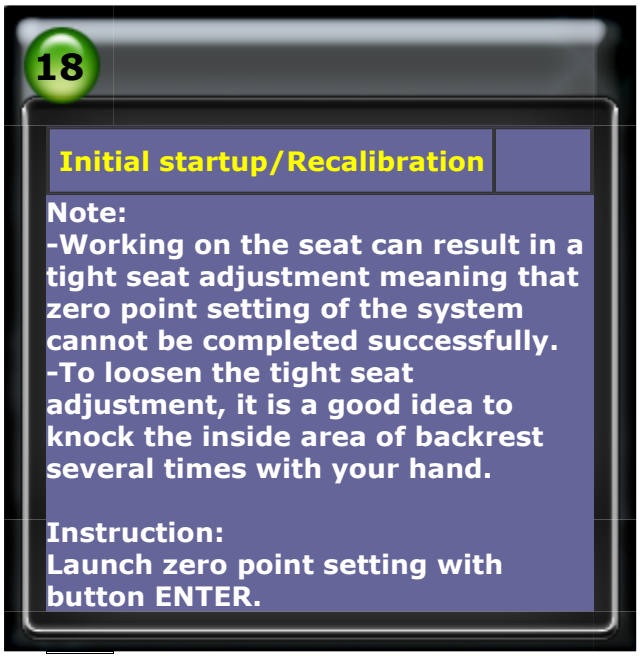


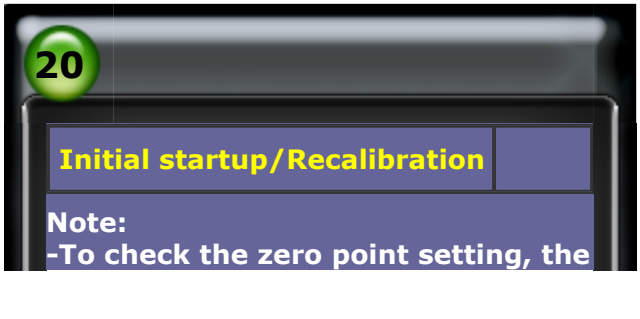
- **Please read below carefully and perform zero point setting.**





- **Zero point setting has been completed successfully.**





front passenger seat must be moved along the seat adjustment field.
-The head restraint must be positioned in the lower range of the adjustment.
-You are provided in this case with a guide through the process.

Risk of injury!
Risk of injury caused by moving parts that can pinch, crush or in extreme cases even sever limbs!
-No parts of the body or limbs should be within the operating range of the mechanism when moving components.

By pressing key ENTER, I confirm that I have read the safety precautions.

Move front passenger seat to positions 'FRONT' and 'DOWN' as far as the stop.

On reaching this position, continue with button ENTER.

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Initial startup/Recalibration

Manual adjustment:
Move front passenger seat to positions 'FRONT' and 'UP' as far as the stop.

On reaching this position, continue with button ENTER.

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Initial startup/Recalibration

Note:
-The front passenger seat must be moved to approximately the center position (both vertically and horizontally).
-The backrest must be moved to the upright position.

Risk of injury!
Risk of injury caused by moving parts that can pinch, crush or in extreme cases even sever limbs!
-No parts of the body or limbs should be within the operating range of the mechanism when moving components.

By pressing key ENTER, I confirm that I have read the safety precautions

- When weight learning pass adjustment, child seat recognition airbag off indicator lamp
  comes on.
- Then, to proceed WSS weight learning adjustment, place 17 kg weight on the seat. The position of the weigh should be away from seat back 2.5~5cm.

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Initial startup/Recalibration

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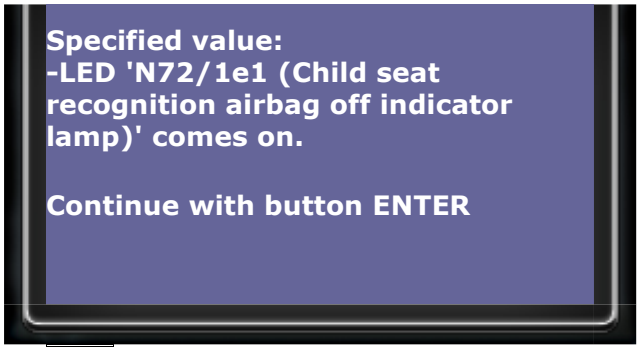
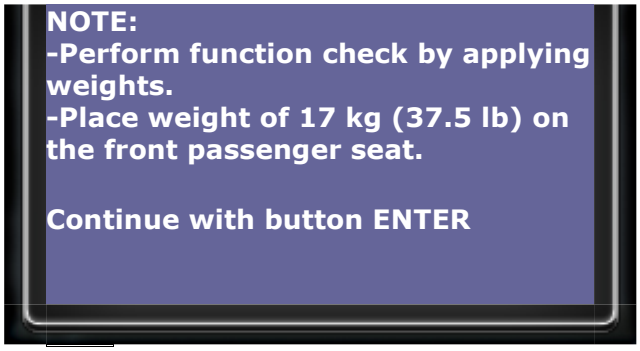
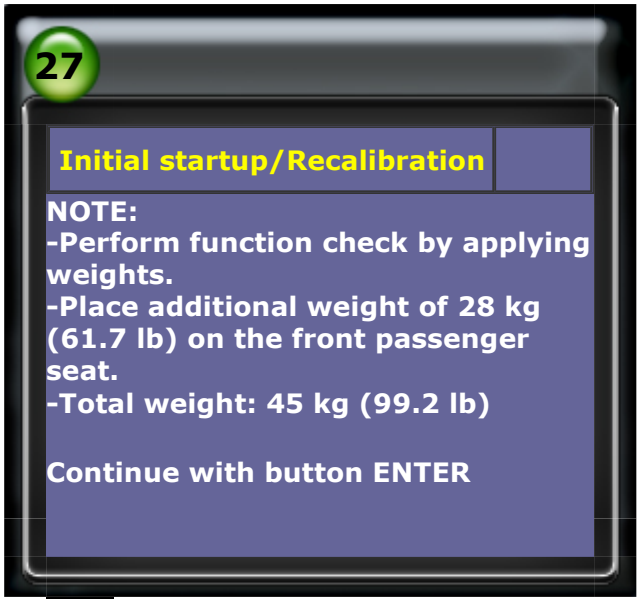
Initial startup/Recalibration

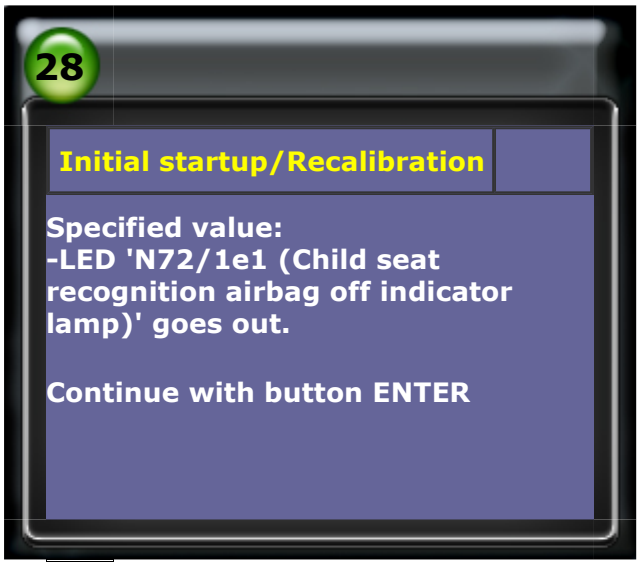




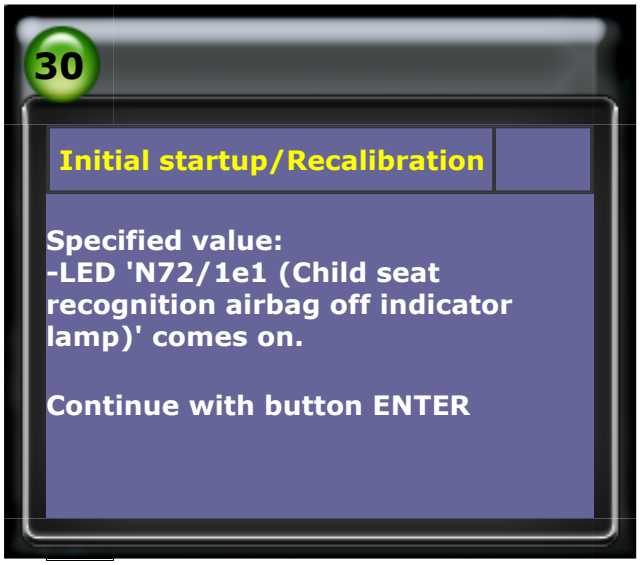
- When weight learning pass adjustment, child seat recognition airbag off indicator lamp comes on.
- Then, add 28 kg weight on the seat to the previous 17 kg for a total weight of 45 kg.

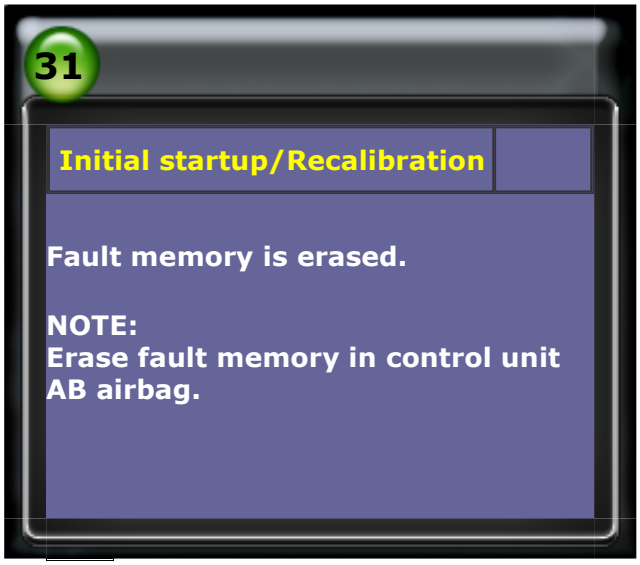


- When weight learning pass adjustment, child seat recognition airbag off indicator lamp goes out.
- Remove all weights from the front passenger seat.



- Remove all weights, when weight learning pass adjustment, the off indicator of airbag shines again.





- **WSS weights adjustment has completed and fault memory is erased.**