

### Diagnosis – Function Test

#### Bulb test

- Turn the ignition key to position “2”. All malfunction indicator/warning lamps must illuminate.
- Start engine. At engine RPM > 480 all indicator/warning lamps should go off, indicating that all systems monitored are O.K.
- Independent of engine running the following should go off:  
After 4 seconds, the SRS MIL.  
After 6 seconds, the safety belt warning indicator.



Should the malfunction indicator/warning lamps remain illuminated and/or come on while in operation, the corresponding system must be checked and/or the fluid level corrected as necessary.

#### Warning buzzer

- Exterior lamps and parking brake warning
- Ignition key in ignition switch warning
- Safety belt warning for 6 seconds  
(the warning buzzer will cease if safety belt buckle is latched).
- Warning tone at engine oil levels below min. or above max.  
(in addition a red background warning displays, if oil level is at the min. level the display has yellow background and no warning tone sounds)
- Warning sound for 5 seconds when CAN Bus data signal inoperative



#### Indicator instruments

The indicator instruments must reflect the actual operating conditions.



#### Instrument cluster with multi-functional display

If the operational problem occurs (worn brake pads, insufficient engine coolant level, failed exterior lamp etc.) or the system (such as: ABS or SRS) fails a warning message will be displayed in place of the outside temperature, trip odometer, odometer and electronic clock. Based on the severity of the problem, the display will be red or yellow in color. Additionally, a warning tone will sound.

#### Flexible Service System (FSS)

- Remaining mileage or time until the next service due can be activated as follows:  
Turn the ignition key to position 2. Press twice the trip odometer reset button within 1 sec. The tool symbol and the remaining mileage or time will be displayed for 10 sec.
- Oil level display (engines M112 and M113) can be activated as follows:  
Turn the ignition key to position 2. Wait 10 seconds until the oil can symbol and message "oil level?" comes up and then press the the trip odometer reset button twice within 1 second. If the oil level is too low the message will be displayed.



Function test, diagnosis and coding can be accomplished using the Hand Held Tester (HHT).