

## DATA LIST/ACTIVE TEST

### 1. DATA LIST

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch to the ON position.
- Operate the intelligent tester II according to the steps on the display and select "DATA LIST".

#### CSONAR:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
Main Switch	Clearance sonar main switch/OFF or ON	OFF: Clearance sonar main switch off ON: Clearance sonar main switch on	–
Front Buzzer Specified	Front buzzer specified/NOT AVL or AVAIL	NOT AVL: Front buzzer does not sound AVAIL: Front buzzer sounds	–
Rear Buzzer Specified	Rear buzzer specified/NOT AVL or AVAIL	NOT AVL: Rear buzzer does not sound AVAIL: Rear buzzer sounds	–
Keep Sense Buzzer	Keep sense status buzzer/NOT AVL or AVAIL	NOT AVL: Buzzer sound stops in 3 sec. AVAIL: Buzzer sound does not stop	Buzzer can be stopped when an obstacle is at the same position for 3 sec. or more
Fr & Rr Buzzer Freq	Front & rear buzzer frequency/"1/1.5", "1.3/1.8" or "1.5/2"	–	Front & rear buzzer frequency
Fr & Rr Buzzer Volume	Front & rear buzzer volume/L, M1, M2, M3 or H	–	Front & rear buzzer volume
Rear Sensor	Rear sensor/NOT AVL or AVAIL	NOT AVL: Rear 4 sensors not operative AVAIL: Rear 4 sensors operative	–
Reverse Range Sensor	Reverse range sensor/ALL, Fcrn4 and R or Fsde2 and R	ALL: All sensors operative Fcrn4 and R: Front corner 4 sensors and rear 4 sensors operative Fsde2 and R: Front side 2 sensors and rear 4 sensors operative	–
Non P/R Range Sensor	Non P/R range sensor/ALL, F and Rcrn2 or F	ALL: All sensors operative F and Rcrn2: All front sensors and rear corner 2 sensors operative F: All front sensors operative	–
Sensor Condition N	Sensor condition N range/NOT AVL or AVAIL	NOT AVL: Sensors not available AVAIL: Sensors available	Sensor operation in N
Front Side Dist Sensor	Front side distance sensor/LONG or SHORT	LONG: Detection distance 500 mm (19.69 in.) SHORT: Detection distance 375 mm (14.76 in.)	Front side sensor detection distance
Approach Display OFF	Approach display off/NOT AVL or AVAIL	NOT AVL: Displayed when going away from an obstacle AVAIL: Not displayed when going away from an obstacle	Turns off the display when going away from an obstacle
Display Timeout Time	Display timeout time/5s, 10s, 20s or INVALID	–	Time period until the display goes off when the detection distance does not change
No Move Judge Buzzer	No move judgement buzzer/NOT AVL or AVAIL	NOT AVL: Buzzer does not sound when vehicle speed is 0 km/h AVAIL: Buzzer sounds when vehicle speed is 0 km/h	Sounds buzzer when vehicle speed of 0 km/h is determined
Sonar Display OFF Time	Sonar display off time/1s, 2s, 3s or 4s	–	Delays the time for turning off the display

## DIAGNOSTICS – CLEARANCE SONAR SYSTEM

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
Fr Left Side Sensor	Front left side sensor information/ OFF, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Fr Left Sensor	Front left sensor information/OFF, VERY, HIGHLY, EXTREME, IN- VALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Fr Left Center Sensor	Front left center sensor informa- tion/OFF, INVALID, A LITTL, VERY, HIGHLY, EXTREME, IN- VALID or ABNOML	OFF: Not detected INVALID: Invalid A LITTL: Detected (long-range) VERY: Detected (mid long-range) HIGHLY: Detected (mid close-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Fr Right Center Sensor	Front right center sensor informa- tion/OFF, INVALID, A LITTL, VERY, HIGHLY, EXTREME, IN- VALID or ABNOML	OFF: Not detected INVALID: Invalid A LITTL: Detected (long-range) VERY: Detected (mid long-range) HIGHLY: Detected (mid close-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Fr Right Sensor	Front right sensor information/ OFF, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Fr Right Side Sensor	Front right side sensor information/ OFF, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Re Left Sensor	Rear left sensor information/OFF, VERY, HIGHLY, EXTREME, IN- VALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
Rr Left Center Sensor	Rear left center sensor information/OFF, INVALID, A LITTL, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected INVALID: Invalid A LITTL: Detected (long-range) VERY: Detected (mid long-range) HIGHLY: Detected (mid close-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Rr Right Center Sensor	Rear right center sensor information/OFF, INVALID, A LITTL, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected INVALID: Invalid A LITTL: Detected (long-range) VERY: Detected (mid long-range) HIGHLY: Detected (mid close-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–
Rr Right Sensor	Rear right sensor information/OFF, VERY, HIGHLY, EXTREME, INVALID or ABNOML	OFF: Not detected VERY: Detected (long-range) HIGHLY: Detected (medium-range) EXTREME: Detected (close-range) FREEZE: Freeze FAULT: Fault	–

## 2. ACTIVE TEST LIST

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch to the ON position.
- Following the display on the intelligent tester II, perform the "ACTIVE TEST".

### CSONAR:

Item	Vehicle Condition/Test Details	Diagnostic Note
Front Buzzer	Front buzzer (Clearance warning buzzer No.1)/ STOP or OPERATE	–
Rear Buzzer	Rear buzzer (Clearance warning buzzer No.2)/ STOP or OPERATE	–