

## DATA LIST / ACTIVE TEST

### 1. DATA LIST

According to the DATA LIST displayed by the intelligent tester, you can read the values of the switches, sensors, actuators and so on without parts removal. Reading the DATA LIST as the first step of troubleshooting is one method to shorten work time.

- (a) Warm up the engine.
- (b) Turn the ignition switch off.
- (c) Connect the intelligent tester to the DLC3.
- (d) Turn the ignition switch to the ON position.
- (e) Operate the intelligent tester according to the steps on the display and select the "DATA LIST".

#### METER:

ITEM	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
SPEED METER	Vehicle speed / Min.: 0 km/h (0 mph), Max.: 255 km/h (158 mph)	Almost same as actual vehicle speed (When driving)	-
TACHO METER	Engine speed / Min.: 0 rpm, Max.: 12,750 rpm	Almost same as the meter rpm (When engine is running)	-
FUEL GAUGE	Fuel input signal Min.: 0, Max. 255	Fuel gauge indicates (F): 35	-
		Fuel gauge indicates (3/4): 85	-
		Fuel gauge indicates (1/2): 145	-
		Fuel gauge indicates (1/4): 186	-
		Fuel gauge indicates (E): 205	-
LIGHT RHEOSTAT	Light Control Rheostat / Min.: 0, Max.: 255	Light control rheostat switch is Dark (0) → Bright (255)	-
ODO/TRIP SW	ODO/TRIP switch is ON/OFF	ON: Switch is pushed OFF: Switch is released	-
TRIP/RESET SW	TRIP/RESET switch is ON/OFF	ON: Switch is pushed OFF: Switch is released	-
TAIL CANCEL SW	TAIL CANCEL switch is ON/OFF	ON: Switch is pushed OFF: Switch is released	-

#### ABS / VSC / TRAC:

ITEM	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
FR/FL/RR/RL WHEEL SPD	Vehicle speed / Min.: 0 km/h (0 mph), Max.: 326 km/h (202 mph)	Almost same as actual vehicle speed (When driving)	-
VEHICLE SPD	Vehicle speed / Min.: 0 km/h (0 mph), Max.: 326 km/h (202 mph)	Almost same as actual vehicle speed (When driving)	-
LEVER POSITION	A/T shift position P/R/N/D/B	Same as actual shift position	-
PARKING BRAKE SW	Parking brake switch is ON/OFF	ON: Parking brake is on OFF: Parking brake is released	-

#### ECM

ITEM	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
VEHICLE SPD	Vehicle speed / Min.: -256 km/h (-159 mph), Max.: 254 km/h (158 mph)	Almost same as actual vehicle speed (When driving)	-
COOLANT TEMP	Coolant temperature / Min.: -40°C (-40°F), Max.: 140°C (284°F)	After warming up: 80 to 95°C (176 to 203°F)	If the value is "-40°C (-40°F) or "140°C (284°F), sensor circuit is open or shorted.

**BODY (Multiplex Network Body ECU):**

ITEM	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
OPEN DOOR WARN	Any door is OPEN/CLOSE	ON: Any door is opened OFF: All doors are closed	-
KEY UNLK WRN SW	Key unlock warning switch is ON/OFF	ON: Ignition key is inserted OFF: Ignition key is not inserted	-
PARKING BRAKE SW	Parking brake switch is ON/ OFF	ON: Parking brake is on OFF: Parking brake is released	-
D SEAT BUCKLE SW	Driver seat buckle switch is ON/OFF	ON: Seat belt is fastened OFF: Seat belt is unfastened	-
HEAD LIGHT SW (*1)	Headlight is ON/OFF	ON: Headlight is on OFF: Headlight is off	-
TIL LIGHT SW (*2)	Taillight is ON/OFF	ON: Taillight is on OFF: Taillight is off	-
D DOR CTY SW	Driver door is OPEN/CLOSE	ON: Driver door is closed OFF: Driver door is opened	-
P DOR CTY SW	Passenger door is OPEN/CLOSE	ON: Passenger door is closed OFF: Passenger door is opened	-
Rr DOR CTY SW	Rear door is OPEN/CLOSE	ON: Rear door is closed OFF: Rear door is opened	-

\*1: U.S.A.

\*2: Except U.S.A.

**2. ACTIVE TEST**

Performing the ACTIVE TEST using the intelligent tester allows the meters, indicators and so on to operate without parts removal. Performing the ACTIVE TEST as the first step of troubleshooting is one way to shorten labor time.

It is possible to display the DATA LIST on the intelligent tester during the ACTIVE TEST.

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch switch to the ON position.
- (c) From the display on the tester, performing the "ACTIVE TEST".

**METER:**

Item	Test Details	Diagnostic Note
SPEED METER	0 / 40 (24) / 80 (48) / 120 (72) / 160 (96) / 200 (120) km/h (mph)	-
TACHOMETER	0 (rpm) / 1,000 (rpm) / 2,000 (rpm) / 3,000 (rpm) / 4,000 (rpm) / 5,000 (rpm) / 6,000 (rpm) / 7,000 (rpm)	-
FUEL GAUGE	EMPTY, 1/2, FULL	-
COOLANT TEMP	LOW / NORM / HIGH	-
SHIFT INDIC	L / 2 / 3 / 4 / D / N / R / P	-
LOW FUEL WARN	Fuel warning light is OFF / ON	-
OPEN DOOR WARN	Open door indicator is OFF / ON	-
P-BELT REMIND	P-belt indicator is OFF / ON	-
D-BELT REMIND	D-belt indicator is OFF / ON	-
OIL PRESS WARN	Oil pressure warning is OFF / ON	-
DISCHARGE WARN	Discharge warning is OFF / ON	-
HEADLIGHT INDIC	"HEAD" indicator is OFF / ON	-
TAILLIGHT INDIC	"TAIL" indicator is OFF / ON	-
CRUISE INDIC	"CRUISE" indicator is OFF / ON	-
ECT SNOW INDIC	"ECT SNOW" indicator is OFF/ON	-

Item	Test Details	Diagnostic Note
Rr FOG INDIC	"Rr FOG" indicator is OFF / ON	-
OIL LEVEL WARN	"OIL LEVEL" warning is OFF / ON	-
SRS WARN	SRS is OFF / ON	-
HIGH BEAM INDIC	Hi-beam indicator is OFF / ON	-
TRC OFF INDIC	"TRC-OFF" indicator is OFF / ON	-
SLIP INDIC	"SLIP" indicator is OFF / ON	-
ODO/TRIP DISP	ODO/TRIP display is OFF / ON	-
A/T OIL TEMP	A/T oil temp operation is OFF / ON	-
L-CRUISE DISP	L-Cruise display is OFF / ON	-
L-CRS CHECK IND	L-Cruise indicator is OFF / ON	-
L-CRS READY IND	"READY" indicator is OFF / ON	-
Fr FOG INDIC	"Fr FOG" indicator is OFF / ON	-
TIRE PRESS WARN	"TIRE PRESS" warning is OFF / ON	-
L-CRS NORMAL	Laser radar cruise normal OFF / ON	-
KEY REMIND BUZZER	Key reminder Buzzer is OFF / ON	-
LGT REMIND BUZZER	Light remained buzzer is OFF / ON	-
SEAT BELT BUZZER	Seat belt buzzer is OFF / ON	-
REVERSE BUZZER	Reverse buzzer is OFF / ON	-
S SHIFT RJCT BUZ	Sports shift buzzer is OFF / ON	-
SPEED BUZZER	Speed buzzer is OFF / ON	-
WARNING BUZZER	Warning buzzer is OFF / ON	-
A/T SHIFT LCD	A/T shift LCD is OFF / ON	-