05HI7–01

DATA LIST/ACTIVE TEST

1. DATA LIST

HINT:

According to the DATA LIST displayed on the intelligent tester II, the values of the components such as switches, sensors, and actuators can be read without parts removal. Reading the DATA LIST as the first step of troubleshooting is one method to shorten labor time.

The CRUISE CONTROL data list is displayed while the intelligent tester II is connected to the DLC3 with the power switch on (IG). Access the data list by following the prompts on the tester screen.

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the power switch on (IG).

(c) Read the DATA LIST according to the display on the tester.

HYBRID VEHICLE CONTROL ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
CCS Vehicle Spd	Cruise control vehicle speed/ min.: 0 km/h (0 mph), max.: 255 km/h (158 mph)	Actual vehicle speed is displayed	–
CCS Mem Vehicle Spd	Cruise control memorized speed/ min.: 1 km/h (0.6 mph), max.: 255 km/h (158 mph)	Actual stored vehicle speed is displayed	–
Throttle Opening Angle	Request opening angle/ min.: 0%, max.: 125%	Actual throttle opening angle is displayed	–
Cruise Control	Cruise control system active condition/ON or OFF	ON: Cruise control is activated OFF: Cruise control is deactivated	–
Main Switch M–CPU	Cruise main switch signal (Main CPU)/ON or OFF	ON: Cruise control main switch ON–OFF button is pushed on OFF: Cruise control main switch ON–OFF button is pushed off	”3”
Main Switch S–CPU	Cruise main switch signal (Sub CPU)/ON or OFF	ON: Cruise control main switch ON–OFF button is pushed on OFF: Cruise control main switch ON–OFF button is pushed off	”3”
CCS Ready S–CPU	Cruise control system standby condition (Sub CPU)/ON or OFF	ON ⇔ OFF: Switching each time ON–OFF button is pushed	”1”
CCS Ready M–CPU	Cruise control system standby condition (Main CPU)/ON or OFF	ON ⇔ OFF: Switching each time ON–OFF button is pushed	”1”
CCS Indicator M–CPU	Cruise indicator signal (Main CPU)/ON or OFF	ON: CRUISE main indicator light is on OFF: CRUISE main indicator light is off	”2”
CCS Indicator S–CPU	Cruise indicator signal (Sub CPU)/ON or OFF	ON: CRUISE main indicator light is on OFF: CRUISE main indicator light is off	”2”
CANCEL Switch	CANCEL switch signal/ON or OFF	ON: Cruise control main switch is pulled to CANCEL OFF: Cruise control main switch is not pulled to CANCEL	–
SET/COAST Switch	–/SET switch signal/ON or OFF	ON: Cruise control main switch is pushed to –/SET OFF: Cruise control main switch is not pushed to –/SET	–

RES/ACC Switch	+/RES switch signal/ON or OFF	ON: Cruise control main switch is pushed to +/RES OFF: Cruise control main switch is not pushed to +/RES	–
Stp Light SW M–CPU	Stop lamp switch signal (Main CPU)/ON or OFF	ON: Brake pedal is depressed OFF: Brake pedal is released	–
Stp Light SW S2–CPU	Stop lamp switch signal (Sub CPU)/ON or OFF	ON: Brake pedal is depressed OFF: Brake pedal is released	–
Stp Light SW S1–CPU	Stop lamp switch signal (Sub CPU)/ON or OFF	ON: Brake pedal is depressed OFF: Brake pedal is released	–
Shift D Position	Shift lever position sensor signal (D position)/ON or OFF	ON: Shift position is D OFF: Shift position is except D	–
Vehicle Spd Change	Vehicle speed sudden change/ ON or OFF	ON: Change OFF: Not change	–

HINT:
”3” is OK but ”1” is NG. → Hybrid vehicle control ECU failure
”1” is OK but ”2” is NG. → DTC output or hybrid vehicle control ECU failure
”3” is OK but the CRUISE main indicator light does not come on. → CRUISE main indicator, wire harness, or hybrid vehicle control ECU failure