05IMO–02

DATA LIST/ACTIVE TEST

1. DATA LIST

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

(b) Turn the power switch on (IG) and turn the intelligent tester II on.

(c) Operate the intelligent tester II according to the steps on the display and select ”DATA LIST”.

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
Shift Pos Display (P)	shift position display (P)/ON or OFF	ON: Parking lock is in P position OFF: Parking lock is in non–P position	–
Shift Pos Display (Not P)	shift position display (not P)/ON or OFF	ON: Parking lock is in non–P position OFF: Parking lock is in P position	–
Master Caution Display	master caution display/DISP or NONDISP	DISP: Malfunction occurs in this system NONDISP: Malfunction does not occur in this system	–
PSW Indicator Mode	PSW indicator mode/OFF, ON, FAST, or SLOW	OFF: Parking lock is in non–P position ON: Parking lock is in P position FAST: Actuator takes long to switch between the P position and non–P position SLOW: Malfunction occurs in this system	–
U Phase Voltage Value	U phase voltage value/min: 0 V, max: 20 V	Actual U phase voltage 9 to 14 V	–
V Phase Voltage Value	V phase voltage value/min: 0 V, max: 20 V	Actual V phase voltage 9 to 14 V	–
W Phase Voltage Value	W phase voltage value/min: 0 V, max: 20 V	Actual W phase voltage 9 to 14 V	–
Battery Voltage Value	BATT voltage value/min: 0 V, max: 20 V	Actual power supply voltage 9 to 14 V	–
IG (+B) Voltage Value	IG (+B) voltage value/min: 0 V, max: 20 V	Actual power supply voltage 9 to 14 V	–
P Sply Off Prepare Rqst Sig	power supply off preparation request signal/ON or OFF	ON: Power is turned off by power source control ECU after receiving power switch off signal OFF: Any other condition	–
Cmplte of Learn Lck Pos	completion of learning lock position/OK or NG	OK: Lock position learning is complete NG: Lock position learning is not complete	–
Cmplte of Learn Unlck Pos	completion of learning unlock position/OK or NG	OK: Unlock position learning is complete NG: Unlock position learning is not complete	–
# of Trip Cuntr after Learn	number of trip counter after learning/min: 0, max: 65535	Actual number of trip counter	Reset the trip counter after 1,000 times
Main Relay for Motor Drive	main relay for motor drive/ON or OFF	ON: Motor drive main relay on OFF: Motor drive main relay off	–
Sig of Electric Key Cond	signal of electrical key condition/ ON or OFF	ON: Electrical key is recognized OFF: Electrical key is not recognized	–
Number of Diagnosis Code	Number of diagnosis code/min: 0, max: 255	Actual number of diagnosis code	–

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
U Phase Crnt–Carry Status	U phase current–carrying status/ ON or OFF	ON: U phase current flows OFF: U phase current does not flow	–
V Phase Crnt–Carry Status	V phase current–carrying status/ ON or OFF	ON: V phase current flows OFF: V phase current does not flow	–
W Phase Crnt–Carry Status	W phase current–carrying status/ ON or OFF	ON: W phase current flows OFF: W phase current does not flow	–
U Phase Voltage Status	U phase voltage status/ON or OFF	ON: U phase voltage is 6 V or more OFF: U phase voltage is less than 6 V	–
V Phase Voltage Status	V phase voltage status/ON or OFF	ON: V phase voltage is 6 V or more OFF: V phase voltage is less than 6 V	–
W Phase Voltage Status	W phase voltage status/ON or OFF	ON: W phase voltage is 6 V or more OFF: W phase voltage is less than 6 V	–
Battery Voltage Status	BATT voltage status/ON or OFF	ON: BATT voltage is more than 10 V OFF: BATT voltage is 10 V or less	–
IG(+B) Phase Voltage Status	IG (+B) phase voltage status/ON or OFF	ON: +B voltage is more than 10 V OFF: +B voltage is 10 V or less	–
ACC Condition Signal	ACC condition signal/ON or OFF	ON: ACC condition signal is normal OFF: ACC condition signal is interrupted	–
Init Drv Cntrl Completed	initial drive control completed/OK or NG	OK: Initial drive control is complete NG: Initial drive control is not complete	–
Complte of Detect Lck Pos	completion of detecting lock position/OK or NG	OK: Detection of lock position is complete NG: Detection of lock position is not complete	–
Complte of Detect Unlck Pos	completion of detecting unlock position/OK or NG	OK: Detection of unlock position is complete NG: Detection of unlock position is not complete	–
P/Not P Move Shft Range	P/Not P movable shift range/SET or UNSET	SET: P/Not P movable shift range is set UNSET: P/Not P movable shift range is unset	–
Main Relay	main relay/NORMAL or ABNOML	NORMAL: Main relay is normal ABNOML: Main relay is fault	–
Vehicle Condition	vehicle condition/STOP or MOVE	STOP: Vehicle is stopped MOVE: Vehicle is running	–
Type of ECU	Type of ECU/min: 0, max: 65535	Actual type of ECU	–