

## DATA LIST/ACTIVE TEST

### 1. DATA LIST

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the power switch on (IG) and turn the hand-held tester on.
- (c) Operate the hand-held tester according to the steps on the display and select "DATA LIST".

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
SHFT POS P	shift position display (P)/ON or OFF	ON: Parking lock is in P position OFF: Parking lock is in non-P position	–
SHFT POS N-P	shift position display (not P)/ON or OFF	ON: Parking lock is in non-P position OFF: Parking lock is in P position	–
MAS CAUTION	master caution display/DISP or NONDISP	DISP: Malfunction occurs in this system NONDISP: Malfunction does not occur in this system	–
PSW INDICATOR	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 VOL VAL	U phase voltage value/min: 0 V, max: 20 V	Actual U phase voltage 9 to 14 V	–
V VOL VAL	V phase voltage value/min: 0 V, max: 20 V	Actual V phase voltage 9 to 14 V	–
W VOL VAL	W phase voltage value/min: 0 V, max: 20 V	Actual W phase voltage 9 to 14 V	–
BATT VOL VAL	BATT voltage value/min: 0 V, max: 20 V	Actual power supply voltage 9 to 14 V	–
IG (+B) VOL VAL	IG (+B) voltage value/min: 0 V, max: 20 V	Actual power supply voltage 9 to 14 V	–
P SPLY OFF 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	–
LRN LOCK POS	completion of learning lock position/OK or NG	OK: Lock position learning is complete NG: Lock position learning is not complete	–
LRN UNLOCK POS	completion of learning unlock position/OK or NG	OK: Unlock position learning is complete NG: Unlock position learning is not complete	–
TRIP CNTR	number of trip counter after learning/min: 0, max: 65535	Actual number of trip counter	Reset the trip counter after 1,000 times
MTR MAIN RELAY	main relay for motor drive/ON or OFF	ON: Motor drive main relay on OFF: Motor drive main relay off	–
ELCTRCL KEY SIG	signal of electrical key condition/ON or OFF	ON: Electrical key is recognized OFF: Electrical key is not recognized	–
#CODE	Number of diagnosis code/min: 0, max: 255	Actual number of diagnosis code	–

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
CURRENT U	U phase current-carrying status/ ON or OFF	ON: U phase current flows OFF: U phase current does not flow	–
CURRENT V	V phase current-carrying status/ ON or OFF	ON: V phase current flows OFF: V phase current does not flow	–
CURRENT W	W phase current-carrying status/ ON or OFF	ON: W phase current flows OFF: W phase current does not flow	–
U VOL	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 VOL	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 VOL	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	–
BATT VOL	BATT voltage status/ON or OFF	ON: BATT voltage is more than 10 V OFF: BATT voltage is 10 V or less	–
IG VOL	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 SIG	ACC condition signal/ON or OFF	ON: ACC condition signal is nor- mal OFF: ACC condition signal is inter- rupted	–
INIT CNTRL	initial drive control completed/OK or NG	OK: Initial drive control is complete NG: Initial drive control is not com- plete	–
DTCT LOCK POS	completion of detecting lock posi- tion/OK or NG	OK: Detection of lock position is complete NG: Detection of lock position is not complete	–
DTCT UNLOCK POS	completion of detecting unlock position/OK or NG	OK: Detection of unlock position is complete NG: Detection of unlock position is not complete	–
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	–
VHCL COND	vehicle condition/STOP or MOVE	STOP: Vehicle is stopped MOVE: Vehicle is running	–
ECU TYPE	Type of ECU/min: 0, max: 65535	Actual type of ECU	–