05IEA–01

DATA LIST/ACTIVE TEST

1. DATA LIST

HINT:

Using the intelligent tester II DATA LIST allows switch, sensor, actuator and other item values to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to shorten labor time.

(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.

Power Source Control ECU:

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
Str Unlock SW	States of the Steering Unlock Switch / ON or OFF	ON: Key is in key slot OFF* No key is in key slot	–
Ready Sig	States of the Ready signal / ON or OFF	ON: Power switch ON (Ready) OFF Power switch OFF or ON (IG) or ON (ACC)	–
Vehicle Spd Sig	States of the Vehicle Speed Signal / Stop or Run	Stop: Vehicle condition is ”Stop” Run: Vehicle condition is ”Run”	–
Shift P Sig	States of the Shift P Signal / ON or OFF	ON: Shift P signal ON (Shift position is ”P”) OFF: Shift P signal OFF (Shift position is except ”P” position)”	–
St relay Mon	State of the Sterter Relay Monitor	ON: Sterter relay signal ON OFF Sterter relay signal OFF	–
ACC Cut Sig	State of the Relay Monitor	ON: ACC relay signal ON OFF ACC relay signal OFF	–
E/G Cond	States of the Engine Condition / Stop or Run	Stop: Engine is stop Run: Engine does not running	–
Shift P Pulse	States of the shift P Signal Pluse/ Unkown, Error2, Normal2, Error1, Normal3, Error3 or Normal1	111: Unkown 101: Error2 001: Normal2 100: Error1 010: Normal3 110: Error 3 000: Normal1	–
Card H–Ins SW	States of the Card Half–Insert Detection SW/ ON or OFF	ON: Key is half–insert position OFF: Key is not half–insert position	–
Card F–Ins SW	States of the Card Full–Insert Detection SW/ ON or OFF	ON: Key is full–insert position OFF: Key is not full–insert position	–
Stop Lamp SW1	States of the Stop Lamp Switch 1/ ON or OFF	ON: Brake pedal pressed OFF: Brake pedal released	–
Stop Lamp SW2	States of the Stop Lamp Switch 2/ ON or OFF	ON: Brake pedal pressed OFF: Brake pedal released	–
St SW1	States of the Start Switch 1/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–
St SW2	States of the Start Switch 2/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–
Ratch Circuit	States of the Ratch Circuit/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF or ON (ACC) or ON (READY)	–
IG1 Relay Mon 1	States of the IG1 Outer Relay Monitor/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–
IG1 Relay Mon 2	States of the IG1 Inner Relay Monitor/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
IG2 Relay Mon 1	States of the IG2 Outer Relay Monitor/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–
IG2 Relay Mon 2	States of the IG2 Inner Relay Monitor/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–
ACC Relay Mon	States of the ACC Relay Monitor/ ON or OFF	ON: Power switch ON (ACC) OFF: Power switch OFF	–
Pwr Cond	States of the Power Supply Condition/ IG2 ON, ST ON, All OFF, IG1 ON or ACC ON	01110000: IG2 ON 11110000: ST ON 00000000: All OFF 00110000: IG1 ON 00010000: ACC ON	–

2. ACTIVE TEST

HINT:

Performing the intelligent tester II ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Performing the ACTIVE TEST early in troubleshooting is one way to shorten labor time. The DATA LIST can be displayed during the ACTIVE TEST.

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

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

(c) Perform the ACTIVE TEST according to the display on the tester.

Power Source Control ECU :

Item	Test Details	Diagnostic Note
Key Lock	Key Lock (IG OFF during the test, Turn the power switch ON (IG) again after the test.) ON/OFF	–
Lighting Ind	Indicator for Lighting ON/OFF	–
Ind Condition	Indicator Green/Red/No Sig	–