

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 ignition switch ON.
- (c) Read the DATA LIST according to the display on the tester.

Steering lock ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Key SW	Unlock warning switch signal/ ON or OFF	OFF: Key is in ignition key cylinder ON: No key is in ignition key cylinder	–
Immobiliser	Immobilizer system status/ SET or UNSET	UNSET: Without key SET: Ignition switch ON	–
Response	Transponder chip data/ NG or OK	NG: Data error OK: Data OK	–
Frame	Transponder chip data/ NG or OK	NG: Data error OK: Data OK	–
Serial Number	Transponder chip data/ NG or OK	NG: Data error OK: Data OK	–
Encrypt Code	Transponder chip data/ NG or OK	NG: Data error OK: Data OK	–
Status	Transponder chip data/ NG or OK	NG: Data error OK: Data OK	–
Bcc	Transponder chip signal/ NG or OK	NG: Incorrect data sending OK: Correct data sending	–
Sub Key	Sub-key code signal/ NOMATCH or MATCH	NOMATCH: Unmatched sub-key code is sent MATCH: Sub-key code is sent	–
Master Key	Master key code signal/ NOMATCH or MATCH	NOMATCH: Unmatched Master key code is sent MATCH: Master key code is sent	–
Register Sub Code	Number of registered sub-key/ min. 0, max. 15	Number of registered sub-key	–
Register Mas Code	Number of registered master key/ min. 0, max. 15	Number of registered master key	–
Reg Code Space	Memory space for key codes registration/ NOT FUL or FULL	NOT FUL: Possible to register more key codes FULL: Cannot register any more key codes	–

Theft deterrent ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Acc SW	Ignition switch signal/ON or OFF	OFF: Ignition switch is in OFF position ON: Ignition switch is in ACC position	–
IG SW	Ignition switch signal/ON or OFF	OFF: Ignition switch is OFF or ACC position ON: Ignition switch is ON position	–

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 the labor time. The DATA LIST can be displayed during the ACTIVE TEST.

- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Perform the ACTIVE TEST according to the display on the tester.

Steering lock ECU:

Item	Tester Details	Diagnostic Note
Security Indic	Turn security indicator ON/OFF	–