DATA LIST / ACTIVE TEST

1.   READ DATA LIST
HINT:
Using the intelligent tester's 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 save time.
(a)   Connect the intelligent tester to the DLC3.
(b)   Turn the ignition switch ON.
(c)   Read the DATA LIST.

Transponder key ECU assembly

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
KEY SW	Unlock warning switch signal/ ON or OFF	ON: Key is in ignition key cylinder OFF: No key is in ignition key cylinder	-
IG SW	Ignition switch signal / ON or OFF	ON: Ignition switch ON OFF: Ignition switch OFF or ACC	-
IMMOBILISER	Immobiliser system status / SET or UNSET	SET: Without key UNSET: Ignition switch ON	-
PERMIT (START)	Start control system starting control / OK or NG	OK: Start control system starting is permitted NG: Start control system starting is not permitted	-
RESPONSE	Transponder chip data / OK or NG	OK: Data OK NG: Data error	-
FRAME	Transponder chip data / OK or NG	OK: Data OK NG: Data error	-
SERIAL NUMBER	Transponder chip signal / OK or NG	OK: Data OK NG: Data error	-
ENCRYPT CODE	Transponder chip signal / OK or NG	OK: Data OK NG: Data error	-
STATUS	Transponder chip signal / OK or NG	OK: Data OK NG: Data error	-
BCC	Transponder chip signal / OK or NG	OK: Correct data sending NG: Incorrect data sending	-
SUB KEY	Sub-key code signal / NO MATCH or MATCH	NO MATCH: Unmatched sub-key code is sent MATCH: Sub-key code is sent	-
MASTER KEY	Master key code signal / MATCH or NO MATCH	NO MATCH: Unmatched sub-key code is sent MATCH: Sub-key code is sent	-
REGIST SUB CODE	Number of registered sub- key / min. 0, max. 15	Number of registered sub-keys	-
REGIST MAS CODE	Number of registered master key / min. 0, max. 15	Number of registered master keys	-
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	-
+B	+B judgment / NORMAL or BREAK	NORMAL: Battery supply is normal BREAK: Battery supply is malfunctioning	-
ANTENNA COIL	Antenna coil condition / NORMAL or FAIL	NORMAL: Antenna coil is normal FAIL: Antenna coil is malfunctioning	-
G-CODE SUPPORT	G code judgment / NOT SUPPORT or SUPPORT	NOT SUPPORT: G-code is not supported SUPPORT: G-code is supported	-
G-CODE DECISION	G code judgment / YES or NO	-	-
WIRELS C-CODE	REGD or NOT REGD	-	-

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2. PERFORM ACTIVE TEST
HINT:
Perform the intelligent tester's 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 save time. The DATA LIST can be displayed during the ACTIVE TEST.
(a) Connect the intelligent tester to the DLC3.
(b) Turn the ignition switch ON.
(c) Perform the ACTIVE TEST according to the display on the tester.

Transponder key ECU

Item	Test Details	Diagnostic Note
SECURITY INDC	Turn security indicator ON/OFF	-

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