05IAT–01

DATA LIST/ACTIVE TEST

1. DATA LIST

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According to the DATA LIST displayed by the intelligent tester II, you can read the value of the switch, sensor, actuator and so on without parts removal. Reading the DATA LIST as the first step of troubleshooting is one method to shorten work time.

(a) Warm up the engine.
(b) Turn the power switch to OFF.
(c) Connect the intelligent tester II to DLC3.
(d) Turn the power switch to ON (IG).
(e) Operate the intelligent tester II according to the steps on the display and select ”DATA LIST”.

ECM:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
VEHICLE SPEED	Vehicle speed / Min.: 0 km/h (0 mph), Max.: 255 km/h (158 mph)	Almost the same as the actual vehicle speed (When driving)	–
ENGINE SPD	Engine speed / Min.: 0 rpm, Max.: 16,383 rpm	Almost the same as the actual engine speed (When engine is running)	–
COOLANT TEMP	Coolant temperature / Min.: –40°C (–40˚F), Max.: 140°C (284˚F)	After warming up: 80 to 95˚C (176 to 203˚F)	If the value is ”–40°C (–40˚F)” or ”140°C (284˚F)”, sensor circuit is open or shorted.

ABS:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
(FR/FL/RR/RL) SPD	Vehicle speed / Min.: 0 km/h (0 mph), Max.: 326 km/h (202 mph)	Almost same as actual speed (When driving)	–