

COOLING FAN MOTOR COMPONENT INSPECTION

B3E011215025W01

1. Verify that battery voltage is **12.4 V or more**.

- If it cannot be verified, charge the battery or contact an external power supply to the vehicle.

2. Connect the WDS or equivalent to the DLC-2.

3. Turn the ignition switch to the ON position.

Note

- The cooling fan does not operate if the duty value of the fan control signal is **10 % or less**, or **95 % or more**.
- The range of the duty value of the fan control signal which the simulation function can control is **10 %-90 %**.
- Due to the cooling fan protection function, there is a time lag until the fan control signal reaches the specified duty value. (Example: If a fan control signal with a **90 %** duty value is input while the cooling fan is stopped, it takes **approx. 14 s** until the fan speed increases and stabilizes.)

4. Using the "FAN DUTY" simulation function, input fan control signals with duty values of **20 %, 40 %, 60 %, and 80 % at 30 s intervals** and verify that the cooling fan operation speed increases.

- If the cooling fan does not operate, inspect the following:
 - Open or short circuit in fan control module power supply
 - Open or short circuit in fan control module ground
 - Open or short circuit in the wiring harness between fan control module terminal B and PCM terminal 1AP (ZJ, Z6) / 1W (LF).
 - If the wiring harnesses and connectors are normal, inspect the cooling fan component.
- If the cooling fan operation speed does not increase, replace the cooling fan component.