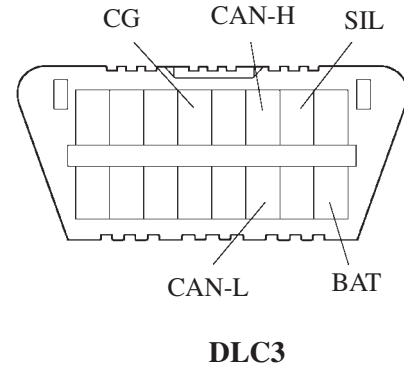


- DLC3 is equipped with CAN-H and CAN-L terminals for CAN diagnosis. It is possible to determine if there is an open or short on the main bus line by measuring the resistance value between these terminals. It is possible to determine if there is a short between the bus line – power supply/ground by measuring the resistance value between terminal CAN-H or CAN-L, and the BAT or CG terminal.

► CAN-H – CAN-L Inspection ◀

Resistance Value	Bus line condition
54 Ω – 67 Ω	<ul style="list-style-type: none"> ● Normal ● Sub bus line open (except DLC3 bus line, DTC output) ● Short between bus line – power supply/ground (Short in one area, DTC output)
more than 67 Ω	<ul style="list-style-type: none"> ● Sub bus line open (only DLC3 bus line, No DTC output) ● Main bus line open
less than 54 Ω	<ul style="list-style-type: none"> ● Short between bus line



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► Inspection for short between bus line – power supply/ground ◀

Inspection Item	Resistance Value	Bus line condition
● CAN-H – BAT	more than 1M Ω	No bus line malfunction if no DTC output
● CAN-L – BAT	less than 1M Ω	Short between bus line – power supply/ground
● CAN-H – CG	more than 1k Ω	No bus line malfunction if no DTC output
● CAN-L – CG	less than 1k Ω	Short between bus line – power supply/ground

- If a communication malfunction occurs between the skid control ECU and the steering angle sensor or the yaw rate & deceleration sensor, the skid control ECU stops control of the VSC (Vehicle Stability Control).
- For details of the CAN diagnosis system, see the RAV4 Repair Manual Supplement (Pub. No. RM1078E).

10

4. Fail-Safe

The fail-safe function provided for each system will operate if a failure occurs in the communication wire such as a short or an open circuit.

- On the new RAV4, the following fail-safe functions will operate if CAN communication is disabled.

Communication Error	Fail-Safe
Skid Control ECU, Yaw rate and Deceleration sensor and Steering angle sensor	<ul style="list-style-type: none"> ● Stops VSC and ABS functions ● Illuminates VSC indicator light ● Detects DTCs