DTC C0061:28/C0061:64/C0062:28/C0062:64/C0063:28/C0063:64 [DYNAMIC STABILITY CONTROL (DSC)]

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DTC	C0061:28, C0061:64, C0062:28, C0062:64, C0063:28, C0063:64	SAS control module system

DETECTION CONDITION

Note

• The low-G sensor and the yaw rate sensor are built into the SAS control module.

• C0061:28, C0061:64
  — Out-of-specification signal modulation or lateral-G value is detected from the low-G sensor.
• C0062:28, C0062:64
  — Out-of-specification signal modulation or longitudinal-G value is detected from the low-G sensor.
• C0063:28, C0063:64
  — Out-of-specification signal modulation or yaw rate value is detected from the yaw rate sensor.

FAIL-SAFE FUNCTION

• C0061:28, C0061:64, C0063:28, C0063:64
  — Illuminates the TCS/DSC indicator light and master warning light*1.
  — Tire pressure monitoring system warning light illuminates after flashes.
  — Inhibits the TCS, DSC, roll over mitigation (ROM), TPMS, smart city brake support (SCBS)*1, and secondary collision reduction (SCR) controls.
• C0062:28, C0062:64
  — Illuminates the ABS warning light*2, TCS/DSC indicator light, and master warning light*1*2.
  — Inhibits the ABS*3, TCS*3, DSC*3, roll over mitigation (ROM)*3, brake assist control*3, vehicle roll prevention function*4, hill launch assist (HLA), smart city brake support (SCBS)*1*3, and secondary collision reduction (SCR)*3 controls.

*1: Vehicles with smart city brake support (SCBS)

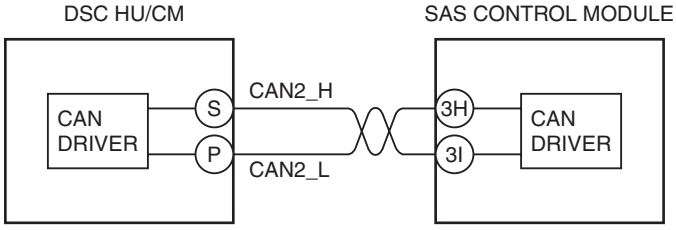
*2: Not illuminated depending on malfunction content.

*3: Enabled depending on malfunction content.

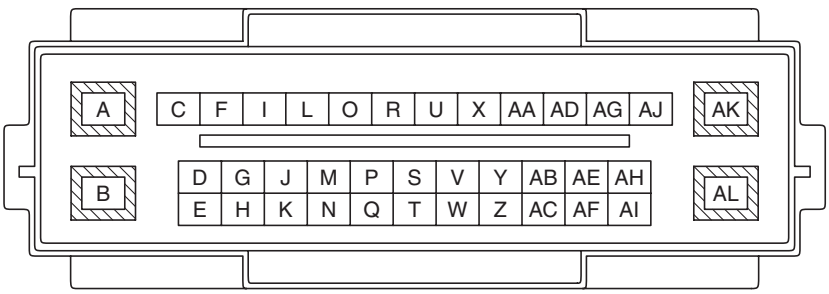
*4: ATX only

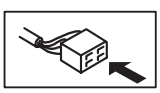
POSSIBLE CAUSE

• SAS control module malfunction
• Open or short circuit in the CAN2_H wiring harness between DSC HU/CM terminal S and SAS control module terminal 3H
• Open or short circuit in the CAN2_L wiring harness between DSC HU/CM terminal P and SAS control module terminal 3I
• DSC HU/CM malfunction
• Poor connection at connectors (female terminal)

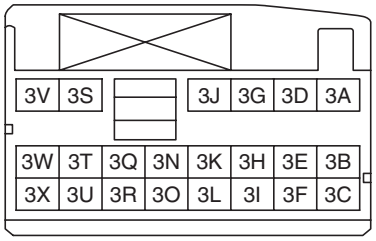


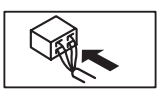
DSC HU/CM WIRING HARNESS-SIDE CONNECTOR





SAS CONTROL MODULE WIRING HARNESS-SIDE CONNECTOR





Diagnostic procedure

STEP	INSPECTION		ACTION
1	**INSPECT SAS CONTROL MODULE MALFUNCTION** • Switch the ignition to off. • Using the M-MDS, perform the DTC inspection for the SAS control module. (See DTC INSPECTION.) • Are any DTCs detected?	Yes	Go to applicable DTC inspection. (See DTC TABLE.)
		No	Go to the next step.
2	**INSPECT SAS CONTROL MODULE SIGNAL (CAN2 LINE) FOR OPEN CIRCUIT** • Disconnect the DSC HU/CM connector. • Disconnect the SAS control module connectors. • Inspect for continuity between the following DSC HU/CM connector terminals (vehicle harness-side) and SAS control module connector terminals (vehicle harness-side): — DSC HU/CM terminal S—SAS control module terminal 3H — DSC HU/CM terminal P—SAS control module terminal 3I • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 4.
3	**INSPECT SAS CONTROL MODULE SIGNAL (CAN2 LINE) FOR SHORT CIRCUIT** • Inspect for continuity between the following DSC HU/CM connector terminals (vehicle harness-side) and body ground: — DSC HU/CM terminal S—body ground — DSC HU/CM terminal P—body ground • Is there continuity?	Yes	Repair or replace the wiring harness, then go to the next step.
		No	Go to the next step.
4	**VERIFY THAT THE SAME DTC IS NOT PRESENT** • Reconnect all disconnected connectors. • Clear the DTCs from the memory. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) • Start the engine and drive the vehicle at **10 km/h {6.2 mph} or more**. • Are the same DTCs present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the DSC HU/CM, then go to the next step. (See DSC HU/CM REMOVAL/INSTALLATION.)
		No	Go to the next step.
5	**VERIFY THAT NO OTHER DTCS ARE PRESENT** • Are any other DTCs output?	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].)
		No	DTC troubleshooting completed.