

Diagnostics with Phenomenon

MANUAL TRANSMISSION AND DIFFERENTIAL (DIAGNOSTICS)

15. Diagnostics with Phenomenon

A: INSPECTION

Symptoms	Faulty parts
A tight corner braking symptom occurs.	• VDCCM&H/U • ABS wheel speed sensor • Yaw rate & G sensor • Steering angle sensor • CAN communication signal • Center differential • C.DIFF +/- switch • Mode change switch • Tire/Wheel • DCCD control module • ECM • Body integrated unit
An oversteer tendency will become apparent.	• Throttle position sensor • ECM • C.DIFF +/- switch • Mode change switch • Tire/Wheel • DCCD control module • Center differential • DCCD relay • Rear differential oil temperature switch • Neutral position switch • Steering angle sensor • VDCCM&H/U • CAN communication signal • Body integrated unit • Yaw rate & G sensor
A tendency to understeer occurs during high speed cornering.	• VDCCM&H/U • ABS wheel speed sensor • CAN communication signal • Throttle position sensor • Yaw rate & G sensor • Center differential • ECM • Engine speed signal • Neutral position switch • Steering angle sensor • Body integrated unit
Torque characteristics of the center differential do not change.	• C.DIFF +/- switch • DCCD relay • Center differential • DCCD control module
DCCD indicator does not operate. (is not displayed)	• Combination meter • DCCD control module
DCCD indicator does not operate even when the C.DIFF +/- switch is operated. (Displayed but does not change. or, the display blinks.)	• C.DIFF +/- switch • Combination meter • DCCD control module
DCCD AUTO mode does not operate even when the C.DIFF +/- switch is operated. (Displayed but does not change.)	• Mode change switch • Combination meter • DCCD control module • Body integrated unit • CAN communication signal

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Symptoms	Faulty parts
DCCD AUTO mode display does not illuminate.	• Mode change switch • Combination meter • DCCD control module • Body integrated unit • CAN communication signal
Will not become differential free or remains differential free.	• Parking brake switch • Center differential • Mode change switch • C.DIFF +/- switch • Rear differential • Tire/Wheel • DCCD relay • Rear differential oil temperature switch • DCCD control module • ECM • Body integrated unit • VDCCM&H/U • Yaw rate & G sensor • CAN communication signal
ABS does not operate.	• VDCCM&H/U • CAN communication signal • Stop light switch • DCCD control module • ECM • Body integrated unit • Yaw rate & G sensor
Will not lock the differential or the differential is continually locked.	• VDCCM&H/U • ABS wheel speed sensor • CAN communication signal • Center differential • C.DIFF +/- switch • Mode change switch • Tire/Wheel • DCCD control module • DCCD relay • ECM • Body integrated unit • Yaw rate & G sensor

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CLUTCH SYSTEM

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