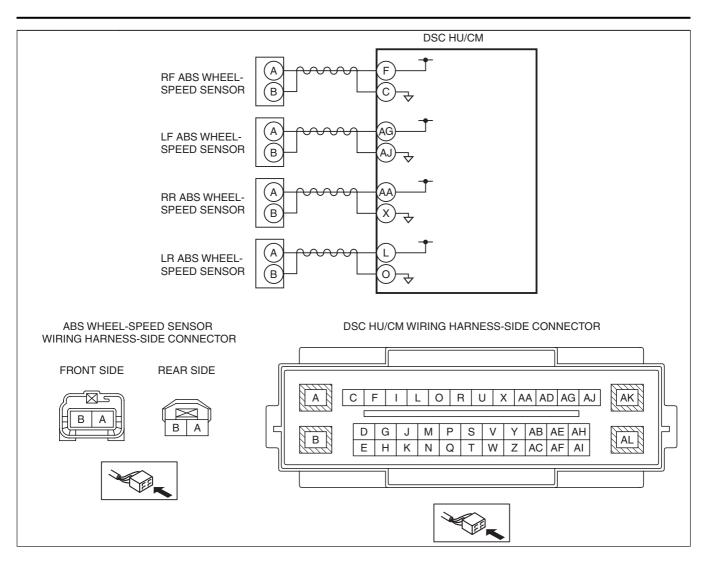
DTC C0031:11/C0031:15/C0034:11/C0034:15/C0037:11/C0037:15/C003A:11/C003A:15 [DYNAMIC STABILITY CONTROL (DSC)]

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	C0031:11,	C0031:15	LF ABS wheel-speed sensor			
DTC	C0034:11, C0034:15		RF ABS wheel-speed sensor			
DIC	C0037:11, C0037:15		LR ABS wheel-speed sensor			
	C003A:11, C003A:15		RR ABS wheel-speed sensor			
DETECTION CONDITION FAIL-SAFE FUNCTION		C0031:11, C0034:11, C0037:11, C003A:11 Short to ground has been detected in the ABS wheel-speed sensor wiring harness on any of the four vehicle wheels. C0031:15, C0034:15, C0037:15, C003A:15 Open circuit or short to power supply has been detected in the ABS wheel-speed sensor wiring harness on any of the four vehicle wheels.				
		 Illuminates the ABS warning light, TCS/DSC indicator light, and master warning light*1. Tire pressure monitoring system warning light illuminates after flashes. Inhibits the ABS, TCS, DSC, roll over mitigation (ROM), brake assist control, vehicle roll prevention function*2, hill launch assist (HLA), TPMS, smart city brake support (SCBS)*1, and secondary collision reduction (SCR) controls. (Additionally, when any malfunction is detected in two wheels or more, EBD control is inhibited and the brake system warning light is illuminated.) *1: Vehicles with smart city brake support (SCBS) *2: ATX only 				
		Open circuit or short to ground/power supply in the wiring harness between the following DSC HU/CM terminals and ABS wheel-speed sensor terminals: DSC HU/CM terminal F—RF ABS wheel-speed sensor terminal A DSC HU/CM terminal C—RF ABS wheel-speed sensor terminal B DSC HU/CM terminal AG—LF ABS wheel-speed sensor terminal A DSC HU/CM terminal AJ—LF ABS wheel-speed sensor terminal B				



Diagnostic procedure

STEP	INSPECTION	ACTION		
1	INSPECT ABS WHEEL-SPEED SENSOR FOR SHORT	Yes	Go to the next step.	
	TO GROUND	No	Go to Step 3.	
	Switch the ignition to off.			
	Disconnect the DSC HU/CM connectors.			
	 Inspect for continuity between the following DSC HU/ 			
	CM connector terminals (vehicle harness-side) and			
	body ground:			
	 — RF ABS wheel-speed sensor (+): F 			
	 — RF ABS wheel-speed sensor (-): C 			
	 LF ABS wheel-speed sensor (+): AG 			
	 LF ABS wheel-speed sensor (-): AJ 			
	 RR ABS wheel-speed sensor (+): AA 			
	 RR ABS wheel-speed sensor (-): X 			
	 — LR ABS wheel-speed sensor (+): L 			
	 LR ABS wheel-speed sensor (-): O 			
	Is there continuity?			

STEP	INSPECTION ACTION				
2	INSPECT ABS WHEEL-SPEED SENSOR WIRING	Yes	Repair or replace the wiring harness, then go to Step		
	HARNESS FOR SHORT TO GROUND		5.		
	Disconnect the ABS wheel-speed sensor connectors.	No	Replace the ABS wheel-speed sensor, then go to		
	Inspect for continuity between the following DSC HU/		Step 5.		
	CM connector terminals (vehicle harness-side) and		(See FRONT ABS WHEEL-SPEED SENSOR		
	body ground:		REMOVAL/INSTALLATION.)		
	 — RF ABS wheel-speed sensor (+): F 		(See REAR ABS WHEEL-SPEED SENSOR		
	 RF ABS wheel-speed sensor (-): C 		REMOVAL/INSTALLATION.)		
	 LF ABS wheel-speed sensor (+): AG 				
	 LF ABS wheel-speed sensor (-): AJ 				
	RR ABS wheel-speed sensor (+): AA				
	RR ABS wheel-speed sensor (-): X				
	LR ABS wheel-speed sensor (+): L				
	LR ABS wheel-speed sensor (-): O				
	Is there continuity?				
3	INSPECT FOR OPEN CIRCUIT IN ABS WHEEL-	Yes	Go to the next step.		
	SPEED SENSOR WIRING HARNESS	No	Repair or replace the wiring harness, then go to the		
	• Inspect for continuity between the DSC HU/CM		next step.		
	connectors (vehicle harness-side) and the following				
	vehicle harness-side connector terminals of the ABS				
	wheel-speed sensors:				
	— RF ABS wheel-speed sensor (+): F—A				
	— RF ABS wheel-speed sensor (-): C—B				
	LF ABS wheel-speed sensor (+): AG—A LF ABS wheel-speed sensor (-): AJ—B				
	RR ABS wheel-speed sensor (+): A3—B RR ABS wheel-speed sensor (+): A4—A				
	RR ABS wheel-speed sensor (-): X—B				
	LR ABS wheel-speed sensor (+): L—A				
	LR ABS wheel-speed sensor (-): O—B				
	• Is there continuity?				
4	INSPECT ABS WHEEL-SPEED SENSOR WIRING	Yes	Go to the next step.		
	HARNESS FOR SHORT TO POWER SUPPLY	No	Repair or replace the wiring harness, then go to the		
	Inspect for voltage between the following DSC HU/CM		next step.		
	connector terminals (vehicle harness-side) and body		·		
	ground:				
	RF ABS wheel-speed sensor (+): F				
	 — RF ABS wheel-speed sensor (-): C 				
	LF ABS wheel-speed sensor (+): AG				
	LF ABS wheel-speed sensor (-): AJ				
	RR ABS wheel-speed sensor (+): AA				
	RR ABS wheel-speed sensor (-): X				
	LR ABS wheel-speed sensor (+): L				
	— LR ABS wheel-speed sensor (-): O				
	• Is the voltage 1 V or less?	\/	Danast the inserting from Oten 4		
5	• Reconnect all disconnected connectors.	Yes	Repeat the inspection from Step 1.		
			If the malfunction recurs, replace the DSC HU/CM, then go to the next step.		
	Clear the DTCs from the memory. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY]		(See DSC HU/CM REMOVAL/INSTALLATION.)		
	CONTROL (DSC)].)	No	Go to the next step.		
	• Are the same DTCs present?	110	So to the flext step.		
6	VERIFY THAT NO OTHER DTCS ARE PRESENT	Yes	Go to the applicable DTC inspection.		
	• Are any other DTCs output?	. 55	(See ON-BOARD DIAGNOSIS [DYNAMIC		
			STABILITY CONTROL (DSC)].)		
		No	DTC troubleshooting completed.		
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