

NO.5 ABS OR TCS*¹ OPERATES FREQUENTLY/TCS DOES NOT WORK CORRECTLY *¹: DSC SYSTEM FUNCTION CONTAINS TRACTION CONTROL FUNCTION, TCS/DSC INDICATOR LIGHT GOES ON AND OFF WHILE TCS OPERATES [DYNAMIC STABILITY CONTROL (DSC)]

id0403b2896000

5	ABS or TCS*¹ operates frequently TCS does not work correctly *¹: DSC system function contains traction control function, TCS/DSC indicator light goes on and off while TCS operates
POSSIBLE CAUSE	<ul style="list-style-type: none"> • There is a difference in size or air pressure between front and rear tires. • Incorrect ABS wheel-speed signal is inputted to DSC HU/CM. • There is a malfunction in engine control system. (TCS malfunction)

Diagnostic procedure

STEP	INSPECTION	ACTION
1	CONFIRM DSC HU/CM AND PCM DTC <ul style="list-style-type: none"> • Retrieve the DSC HU/CM DTC using the M-MDS (IDS). (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) • Retrieve the PCM DTC using the M-MDS (IDS), if the traction control function has problem. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) • Are any DTCs present? 	Yes Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC TABLE [SKYACTIV-D 2.2].)
		No Go to the next step.
2	INSPECT TIRE SIZE AND AIR PRESSURE <ul style="list-style-type: none"> • Inspect tire size and air pressure. • Tire size and air pressure as specified? 	Yes Go to the next step.
		No Replace with specified tires and adjust tire air pressure.
*3	INSPECT ABS WHEEL-SPEED SENSOR OUTPUT PULSE <ul style="list-style-type: none"> • Perform the Voltage Pattern Inspection for each ABS wheel-speed sensor. (See FRONT ABS WHEEL-SPEED SENSOR INSPECTION.) (See REAR ABS WHEEL-SPEED SENSOR INSPECTION [2WD].) (See REAR ABS WHEEL-SPEED SENSOR INSPECTION [4WD].) • Is the output voltage pattern normal? 	Yes Found malfunctioning part according to the "INTERMITTENT CONCERN TROUBLESHOOTING". (See PRECAUTION [DYNAMIC STABILITY CONTROL (DSC)].)
		No ABS wheel-speed sensor installation inspection: • Inspect the ABS wheel-speed sensor for looseness and confirm it is securely adhered. ABS sensor rotor installation inspection: • Inspect the ABS sensor rotor for poor installation. Repair or replace any malfunctioning parts according to the inspection result.

- When performing an asterisked (*) troubleshooting inspection, shake the wiring harness and connectors while doing the inspection to discover whether poor contact points are the cause of any intermittent malfunctions. If there is a problem, check to make sure connectors, terminals and wiring harness are connected correctly and undamaged.