

ON-BOARD DIAGNOSTIC [DYNAMIC STABILITY CONTROL (DSC)]

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT PID FOR ABS WHEEL-SPEED SENSOR OUTPUT ERROR USING M-MDS <ul style="list-style-type: none"> Turn the ignition switch to the LOCK position. Connect the M-MDS to the DLC-2. Select the following PIDs using the M-MDS: <ul style="list-style-type: none"> — WSPD_LF — WSPD_LR — WSPD_RF — WSPD_RR Drive the vehicle. Verify that the vehicle speeds detected by the four ABS wheel-speed sensors are approximately the same. Are the vehicle speeds approximately the same? 	Yes	Go to Step 3.
		No	Go to the next step.
2	INSPECT FOR SHORT TO GROUND BETWEEN ABS WHEEL-SPEED SENSOR CONNECTORS AND GROUND <ul style="list-style-type: none"> Disconnect the ABS wheel-speed sensor connectors. Inspect for no continuity between the following ABS wheel-speed sensor connector terminals (vehicle harness-side) and body ground: <ul style="list-style-type: none"> — ABS wheel-speed sensor (RF): <ul style="list-style-type: none"> B—Body ground — ABS wheel-speed sensor (LF): <ul style="list-style-type: none"> B—Body ground — ABS wheel-speed sensor (RR): <ul style="list-style-type: none"> B—Body ground — ABS wheel-speed sensor (LR): <ul style="list-style-type: none"> B—Body ground Is the continuity normal? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 5.
3	INSPECT IF MALFUNCTION OCCURRED DUE TO IMPROPER SENSOR CLEARANCE. <ul style="list-style-type: none"> Inspect the clearance between the ABS wheel-speed sensor and the ABS sensor rotor. (See 04-13-14 FRONT ABS WHEEL-SPEED SENSOR INSPECTION.) (See 04-15-16 REAR ABS WHEEL-SPEED SENSOR INSPECTION.) Is the clearance normal? 	Yes	Go to the next step.
		No	Replace the ABS wheel-speed sensor, then go to Step 5. (See 04-13-12 FRONT ABS WHEEL-SPEED SENSOR REMOVAL/INSTALLATION.) (See 04-13-15 REAR ABS WHEEL-SPEED SENSOR REMOVAL/INSTALLATION.)
4	VISUALLY INSPECT ABS SENSOR ROTOR FOR FOREIGN MATERIAL ADHERING OR IMPROPER INSTALLATION <ul style="list-style-type: none"> Is the result normal? 	Yes	Go to the next step.
		No	Replace the wheel hub component, then go to the next step. (See 03-11-2 WHEEL HUB, STEERING KNUCKLE REMOVAL/INSTALLATION.) (See 03-12-1 WHEEL HUB COMPONENT REMOVAL/INSTALLATION.)
5	VERIFY THAT THE SAME DTC IS NOT PRESENT <ul style="list-style-type: none"> Clear the DTCs from the memory. (See 04-02B-2 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 CM, then go to the next step. (See 04-15-9 DSC HU/CM REMOVAL/INSTALLATION [R.H.D].)
		No	Go to the next step.
6	VERIFY THAT NO OTHER DTCS ARE PRESENT <ul style="list-style-type: none"> Are any other DTCs output? 	Yes	Go to the applicable DTC inspection. (See 04-02B-2 ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].)
		No	DTC troubleshooting completed.