

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

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT DSC FUSE CONDITION <ul style="list-style-type: none"> Is the DSC fuse (DSC P 30A) normal? 	Yes	Go to the next step.
		No	Replace the DSC fuse, then go to Step 6.
2	VERIFY PUMP MOTOR OPERATION <ul style="list-style-type: none"> Turn the ignition switch to the LOCK position. Connect the M-MDS to the DLC-2. Turn the ignition switch to the ON position. Access PMP_MTR active command modes using the M-MDS. Does the pump motor operate? 	Yes	Go to the next step.
		No	Replace the DSC HU/CM, then go to Step 6. (See 04-15-9 DSC HU/CM REMOVAL/ INSTALLATION [R.H.D.].)
3	INSPECT MOTOR RELAY POWER SUPPLY FOR OPEN CIRCUIT <ul style="list-style-type: none"> Turn the ignition switch to the LOCK position. Disconnect the DSC HU/CM connector. Inspect for continuity between DSC HU/CM terminal Y and the positive battery terminal. Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 6.
4	INSPECT MOTOR RELAY POWER SUPPLY FOR SHORT CIRCUIT <ul style="list-style-type: none"> Inspect for continuity between DSC HU/CM terminal Y and body ground. Is there continuity? 	Yes	Repair or replace the wiring harness, then go to Step 6.
		No	Go to the next step.
5	INSPECT PUMP MOTOR GROUND FOR OPEN CIRCUIT <ul style="list-style-type: none"> Inspect for continuity between DSC HU/CM terminal B and body ground. Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to the next step.
6	VERIFY THAT THE SAME DTC IS NOT PRESENT <ul style="list-style-type: none"> Reconnect all disconnected connectors. 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.
7	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.

DTC C0030:07/C0031:07/C0033:07/C0034:07/C0036:07/C0037:07/C0039:07/C003A:07 [DYNAMIC STABILITY CONTROL (DSC)]

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Note

- When only the driving wheels are rotated while the vehicle is jacked up, DTCs C0037:07 and C003A:07 are input to the memory.

DTC	C0030:07 C0031:07 C0033:07 C0034:07 C0036:07 C0037:07 C0039:07 C003A:07	LF ABS sensor rotor LF ABS wheel-speed sensor/ABS sensor rotor RF ABS sensor rotor RF ABS wheel-speed sensor/ABS sensor rotor LR ABS sensor rotor LR ABS wheel-speed sensor/ABS sensor rotor RR ABS sensor rotor RR ABS wheel-speed sensor/ABS sensor rotor
DETECTION CONDITION	<ul style="list-style-type: none"> C0030:07, C0033:07, C0036:07, C0039:07 — Periodic abnormality is detected in the signal wave pattern from the ABS wheel-speed sensors. C0031:07, C0034:07, C0037:07, C003A:07 — (1) The wheel-speed signal is not input or an extremely low wheel-speed signal is detected from any of the four wheels when driving at a vehicle speed of 10 km/h {6.2 mph} or more — (2) A large, sudden change in the wheel speed-signal is detected. — (3) ABS control continues to operate for 28 s or more. 	