

DTC	B2776	Steering Lock Motor Malfunction
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CIRCUIT DESCRIPTION

The steering Lock ECU monitors the lock/unlock condition of the shaft, which locks the steering. This DTC is detected when the lock/unlock position switch that monitors this lock/unlock condition has a trouble or excessive current is flown to the steering lock motor that activates the shaft.

DTC No.	DTC Detecting Condition	Trouble Area
B2776	• Lock/unlock position switch* failure • Steering lock motor failure	• Steering Lock ECU

*: This switch is built in the Steering Lock ECU.

INSPECTION PROCEDURE

HINT:

In case of using the LEXUS hand-held tester, start the inspection from step 1 and in case of not using the LEXUS hand-held tester, start from step 2.

1	Check the lock position switch and unlock position switch using LEXUS hand-held tester.
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PREPARATION:

Connect the LEXUS hand-held tester to the DLC 3.

CHECK:

Check that the lock position switch and unlock position switch using DATA LIST.

Condition/Tester Display	LOCK POS SW	UNLOCK POS SW
Key inserted (Steering wheel is unlocked.)	OFF	ON
Key not inserted (Steering wheel is locked.)	ON	OFF

NG

Replace steering lock ECU
(See page IN-35).

OK

2	Delete DTC. Check whether or not DTC is detected by inserting and pulling out the key in/from the starter switch.
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CHECK:

Make sure that B2776 is not output.

RESULT:

OK	B2776 is not output
NG	B2776 is output

NG**Replace steering lock ECU**
([See page IN-35](#)).**OK****No problem. It is suspected that excessive current was flown to the motor in the past.**