DI8TB–01

DTC	B2776	Steering Lock Motor Malfunction

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.

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.

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.