

DTC	B2776	STEERING LOCK MOTOR MALFUNCTION
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CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
B2776	<ul style="list-style-type: none"> Lock/unlock position sensor* failure Steering lock motor failure 	• Steering Lock ECU

*: This sensor is built in the steering lock ECU.

INSPECTION PROCEDURE

1	READ VALUE ON INTELLIGENT TESTER
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- Connect the intelligent tester to the DLC3.
- Turn the intelligent tester on.
- Select the item below in the DATA LIST, and read its value displayed on the intelligent tester to check the lock/unlock position sensor.

Condition	Item	Standard
Smart key is not inserted (steering wheel is locked).	Lock Position Sensor	"ON" is displayed
Smart key is not inserted (steering wheel is locked).	Unlock Position Sensor	"OFF" is displayed
Smart key is inserted (steering wheel is unlocked).	Lock Position Sensor	"OFF" is displayed
Smart key is inserted (steering wheel is unlocked).	Unlock Position Sensor	"ON" is displayed

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**REPLACE LOCK/UNLOCK POSITION SENSOR
(SEE PAGE 50-26)**

HINT:

Lock/unlock position switch is built in the steering lock ECU, and it is provided with the steering lock actuator.

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REPLACE STEERING LOCK ECU (SEE PAGE 50-26)

HINT:

Steering lock ECU is provided with the steering lock actuator.