

DTC	C1799/99	Access Mode Switch Circuit
------------	-----------------	-----------------------------------

DESCRIPTION

By selecting the access mode switch, the vehicle's height is set approx. 25 mm (0.98 in.) (approx. 30 mm (1.18 in.) for 4WD) lower than normal vehicle height.

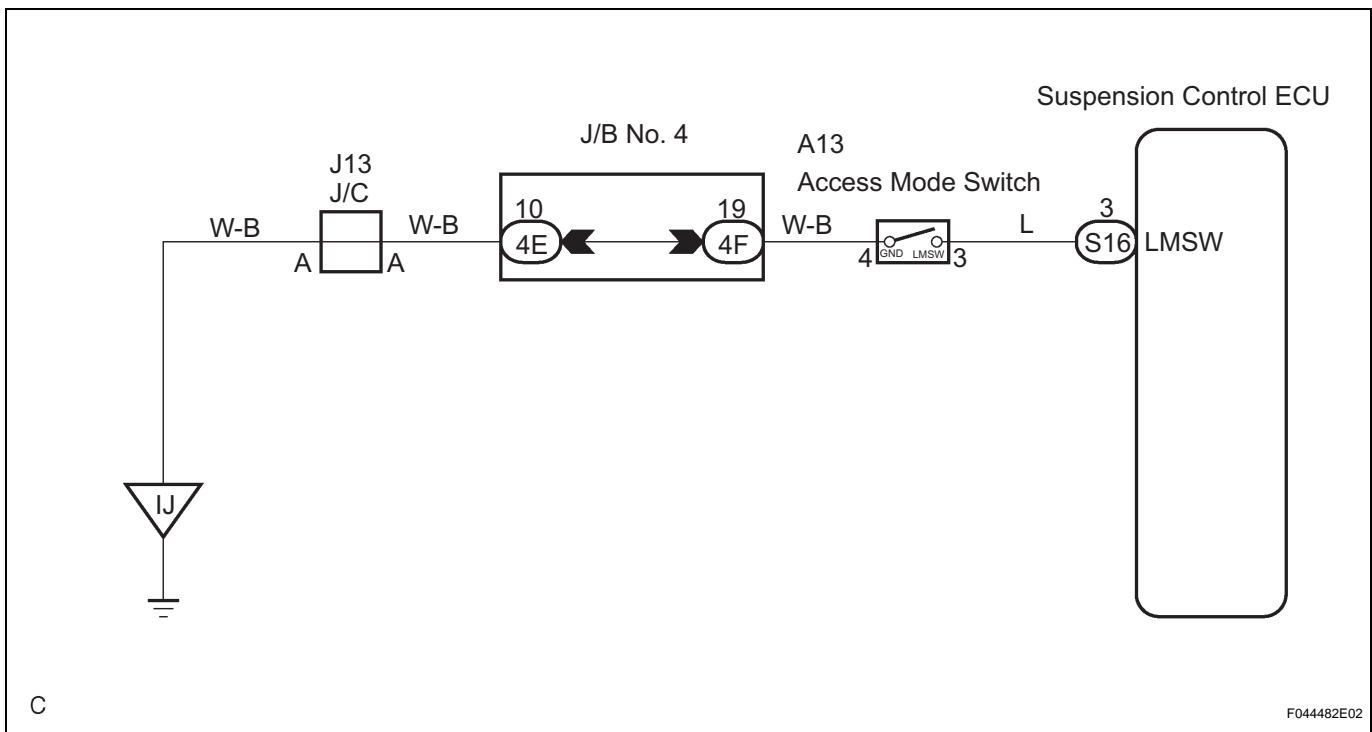
While driving, vehicle height returns to the previously selected position.

HINT:

If the vehicle height mode is set in "HI mode", the access mode can not be operated.

DTC No.	DTC Detecting Condition	Trouble Area
C1799/99	Access mode switch signal does not change.	<ul style="list-style-type: none"> • Access mode switch • Access switch circuit • Suspension control ECU

WIRING DIAGRAM



HINT:

Start the inspection from step 1 when using the intelligent tester, and start from step 2 when not using the intelligent tester.

1	READ VALUE OF INTELLIGENT TESTER
----------	---

SC

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position, and push the intelligent tester main switch on.
- (c) Select the item below in the DATA LIST, and read its value displayed on the intelligent tester.

AIRSUS

Item	Normal Condition
ACCESS MODE SW	ON: Access mode switch pressing OFF: -

- (d) Check that the value displayed on the intelligent tester changes by pressing the access mode switch.

OK:

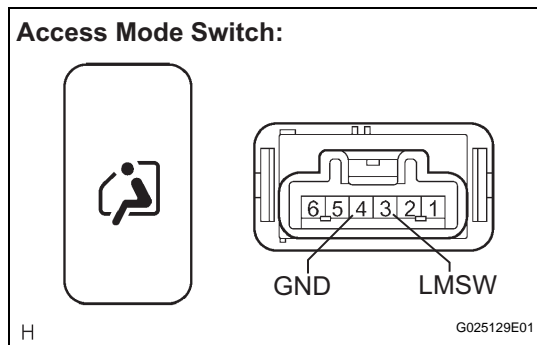
Access mode switch value changes.

NG **Go to step 2**

OK

REPLACE SUSPENSION CONTROL ECU

2 INSPECT ACCESS MODE SWITCH



- (a) Disconnect the access mode switch connector.
- (b) Measure the resistance according to the values in the table below.

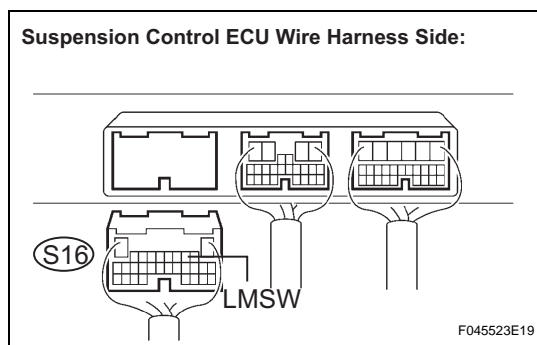
Resistance

Switch Condition	Tester Connection	Specified Condition
Pushed in	3 (LMSW) - 4 (GND)	Below 1 Ω
Free	3 (LMSW) - 4 (GND)	10 kΩ or higher

NG **REPLACE ACCESS MODE SWITCH**

OK

3 CHECK HARNESS AND CONNECTOR (SUSPENSION CONTROL ECU - ACCESS MODE SWITCH)



- (a) Disconnect the suspension control ECU S16 connector.
- (b) Measure the resistance according to the values in the table below.

Resistance

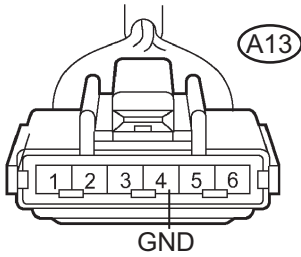
Tester Connection	Specified Condition
S16-3 (LMSW) - A13-3 (LMSW)	Below 1 Ω
S16-3 (LMSW) - Body ground	10 kΩ or higher

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4 CHECK HARNESS AND CONNECTOR (ACCESS MODE SWITCH - BODY GROUND)

Access Mode Switch Wire Harness Side:



(a) Measure the resistance according to the values in the table below.

Resistance

Tester Connection	Specified Condition
A13-4 (GND) - Body ground	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE SUSPENSION CONTROL ECU