DTC	C1787	ABSORBER CONTROL SWITCH CIRCUIT (TEST DIAGNOSIS)

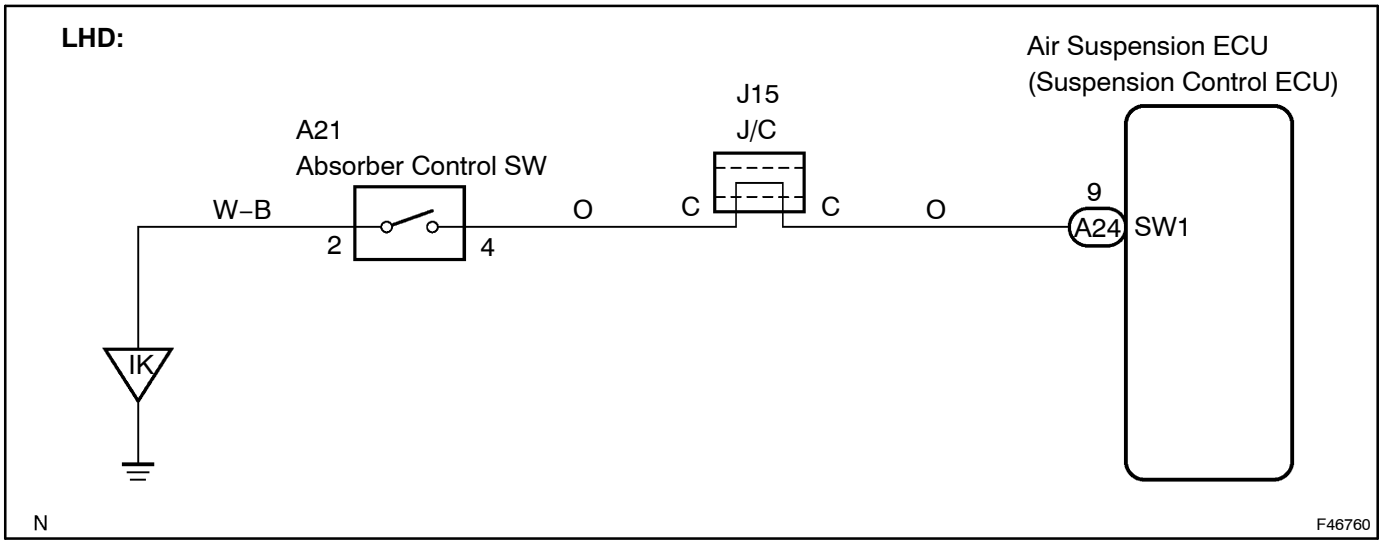
CIRCUIT DESCRIPTION

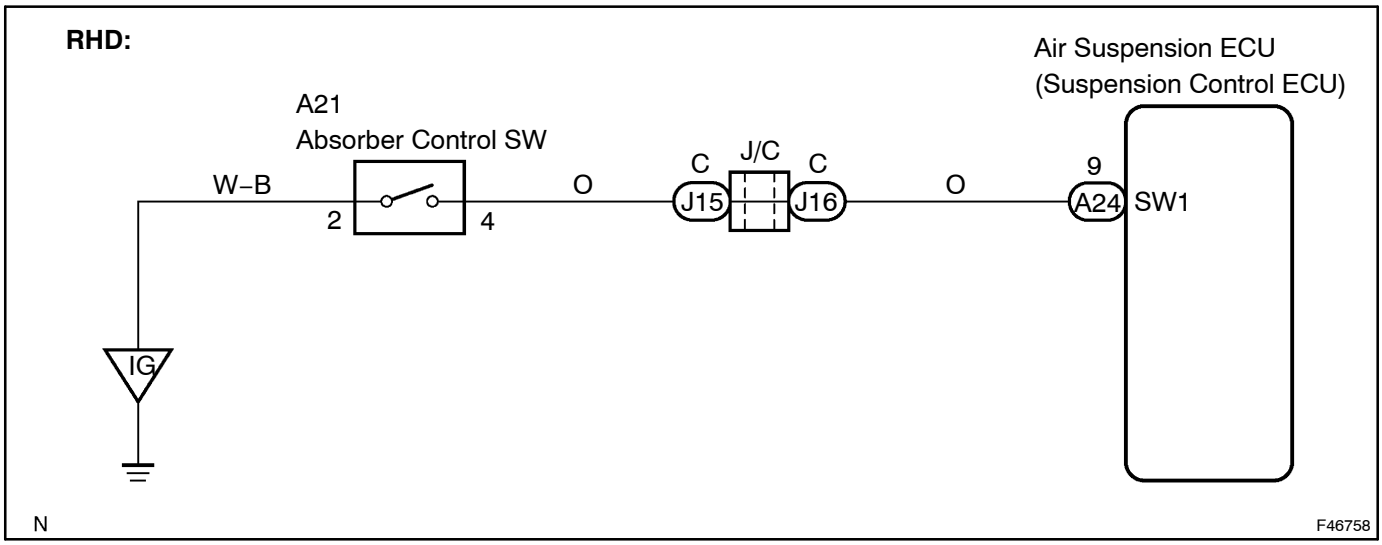
The absorber control switch used is to select the attenuation modes of the shock absorber. 2 levels of attenuation, ”SPORT” and ”NORM”, are available.

DTC No.	DTC Detecting Condition	Trouble Area
C1787	Absorber control switch signal does not change.	• Absorber control switch • Absorber control switch circuit • Suspension control ECU

HINT:
DTC C1787 is output only in the test mode.

WIRING DIAGRAM

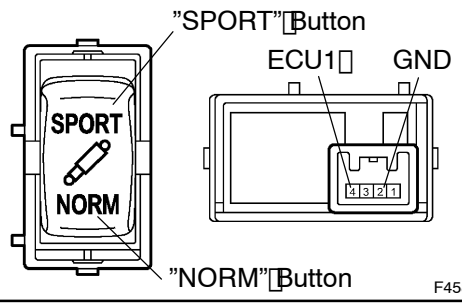




INSPECTION PROCEDURE

1 INSPECT ABSORBER CONTROL SWITCH

Absorber Control Switch:



(a) Disconnect the absorber control switch connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

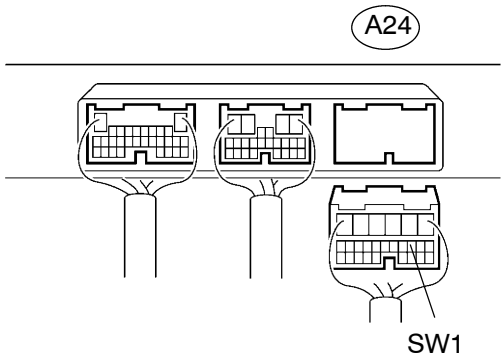
Switch Condition	Tester Connection	Specified Condition
"SPORT"	2 (GND) – 4 (ECU1)	Below 1 Ω
"NORM"	2 (GND) – 4 (ECU1)	10 kΩ or higher

NG → **REPLACE ABSORBER CONTROL SWITCH**

OK

2 CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU – ABSORBER CONTROL SWITCH) (SEE PAGE 01–44)

Suspension Control ECU:

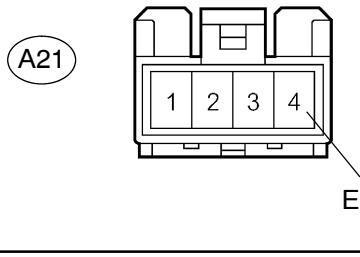


(a) Disconnect the suspension control ECU A24 connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
A24–9 (SW1) – A21–4 (ECU1)	Below 1 Ω
A24–9 (SW1) – Body ground	10 kΩ or higher

Absorber Control Switch:

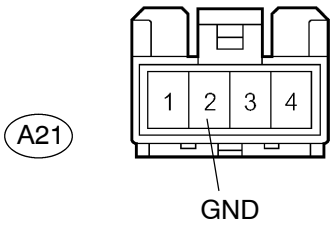


NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

3	CHECK HARNESS AND CONNECTOR(ABSORBER CONTROL SWITCH – BODY GROUND) (SEE PAGE 01–44)

Absorber Control Switch:



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

Standard:

Tester Connection	Specified Condition
A21–2 (GND) – Body ground	Below 1 Ω

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

OK

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25–20)