DTC	C1725/21	RIGHT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT

DTC	C1726/22	LEFT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT

DTC	C1727/23	RIGHT REAR ABSORBER CONTROL ACTUATOR CIRCUIT

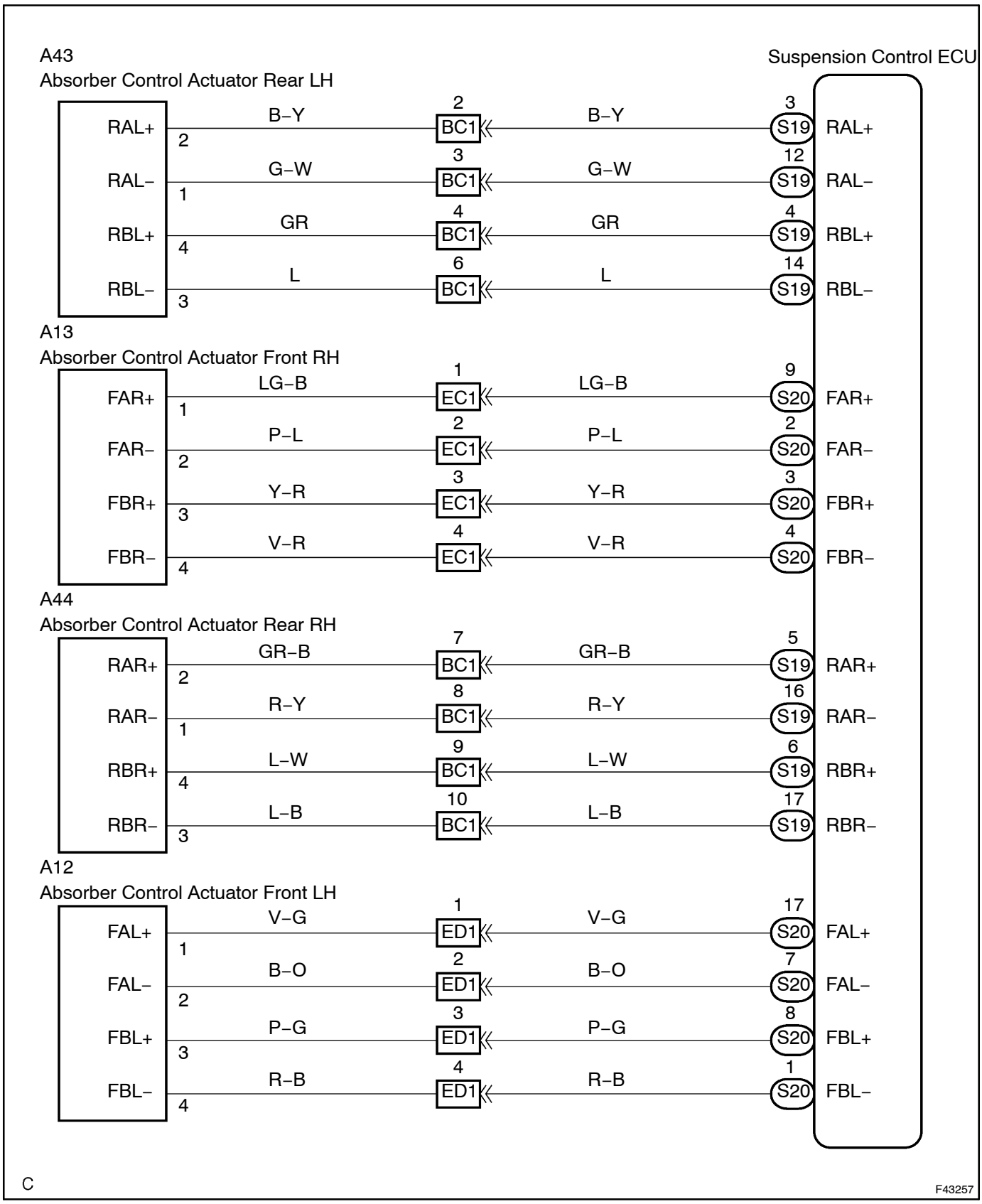
DTC	C1728/24	LEFT REAR ABSORBER CONTROL ACTUATOR CIRCUIT

CIRCUIT DESCRIPTION

Absorber control actuator switches the damping force depending on the suspension control ECU signals.

DTC No.	DTC Detecting Condition	Trouble Area
C1725/21	Either of the following 1. or 2. is detected: 1. After starting the engine, the breakage signal of absorber control actuator is continuously detected for 1.0 second. 2. After turning ignition switch to ON, the short circuited signal of absorber control actuator is continuously detected 8 times.	• Absorber control actuator front RH • Right front absorber control actuator circuit • Suspension control ECU
C1726/22		• Absorber control actuator front LH • Left front absorber control actuator circuit • Suspension control ECU
C1727/23		• Absorber control actuator rear RH • Right rear absorber control actuator • Suspension control ECU
C1728/24		• Absorber control actuator rear LH • Left rear absorber control actuator • Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT ABSORBER CONTROL ACTUATOR OPERATION

In case of using hand–held tester:

(a) Connect the hand–held tester to DLC3.

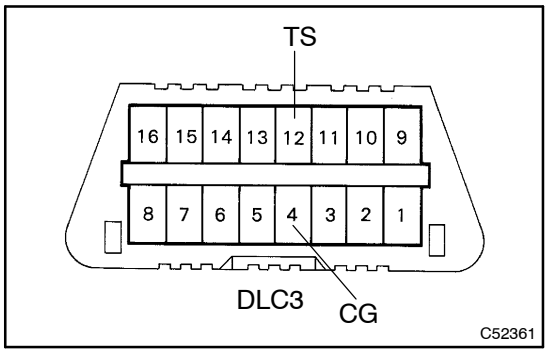
(b) Turn the ignition switch to ON, and turn the hand–held tester main switch to ON.

(c) Select the item "DAMPER FR", "DAMPER FL", "DAMPER RR" or "DAMPER RL" in the ACTIVE TEST, and operate it on the hand–held tester.

(d) Check whether or not the absorber control actuator operates to harden or soften the suspension with the hand–held tester.

Standard:

The absorber control actuator operates to harden or soften the suspension.



In case of not using hand–held tester:

(a) Using SST, connect terminal TS and CG of DLC3 with the ignition switch OFF (TEST mode).
SST 09843–18040

(b) Start the engine.
(1) Under this condition, the absorber control actuator position becomes 1 (Soft).

(c) Starting from the above mentioned position, as the brake pedal is depressed, the absorber control actuator position increase (1 → 2 → 3 → ... 15 → 16).
then, bounce the vehicle and check that the shock absorber becomes harder.

Standard:

The absorber control actuator operates.

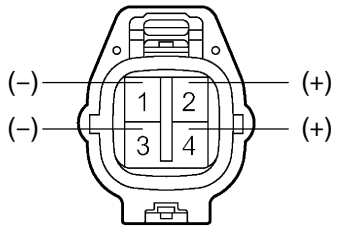
NG → **Go to step 2**

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)

2	INSPECT ABSORBER CONTROL ACTUATOR

Front:



F44161

Absorber control actuator front:

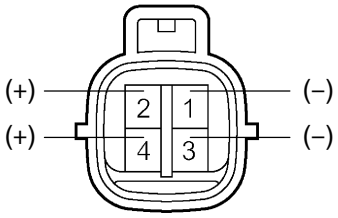
(a) Disconnect the absorber control actuator connector.

(b) Measure the resistance between each terminal of the front absorber control actuator.

Standard:

Terminal connection	Resistance
1 – 2	6.8 ± 0.4 Ω
3 – 4	6.8 ± 0.4 Ω

Rear:



F44162

Absorber control actuator rear:

(a) Disconnect the absorber control actuator connector.

(b) Measure the resistance between each terminal of the front absorber control actuator.

Standard:

Terminal connection	Resistance
1 – 2	6.8 ± 0.4 Ω
3 – 4	6.8 ± 0.4 Ω

NG → **REPLACE ABSORBER CONTROL ACTUATOR**

NG → **REPLACE ABSORBER CONTROL ACTUATOR RR**

OK

3	CHECK HARNESS AND CONNECTOR(ABSORBER CONTROL ACTUATOR – SUSPENSION CONTROL ECU)

(a) Check for open and short circuit in the harness and the connector the between the absorber control actuator and the suspension control ECU (See page 01–36).

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

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)