

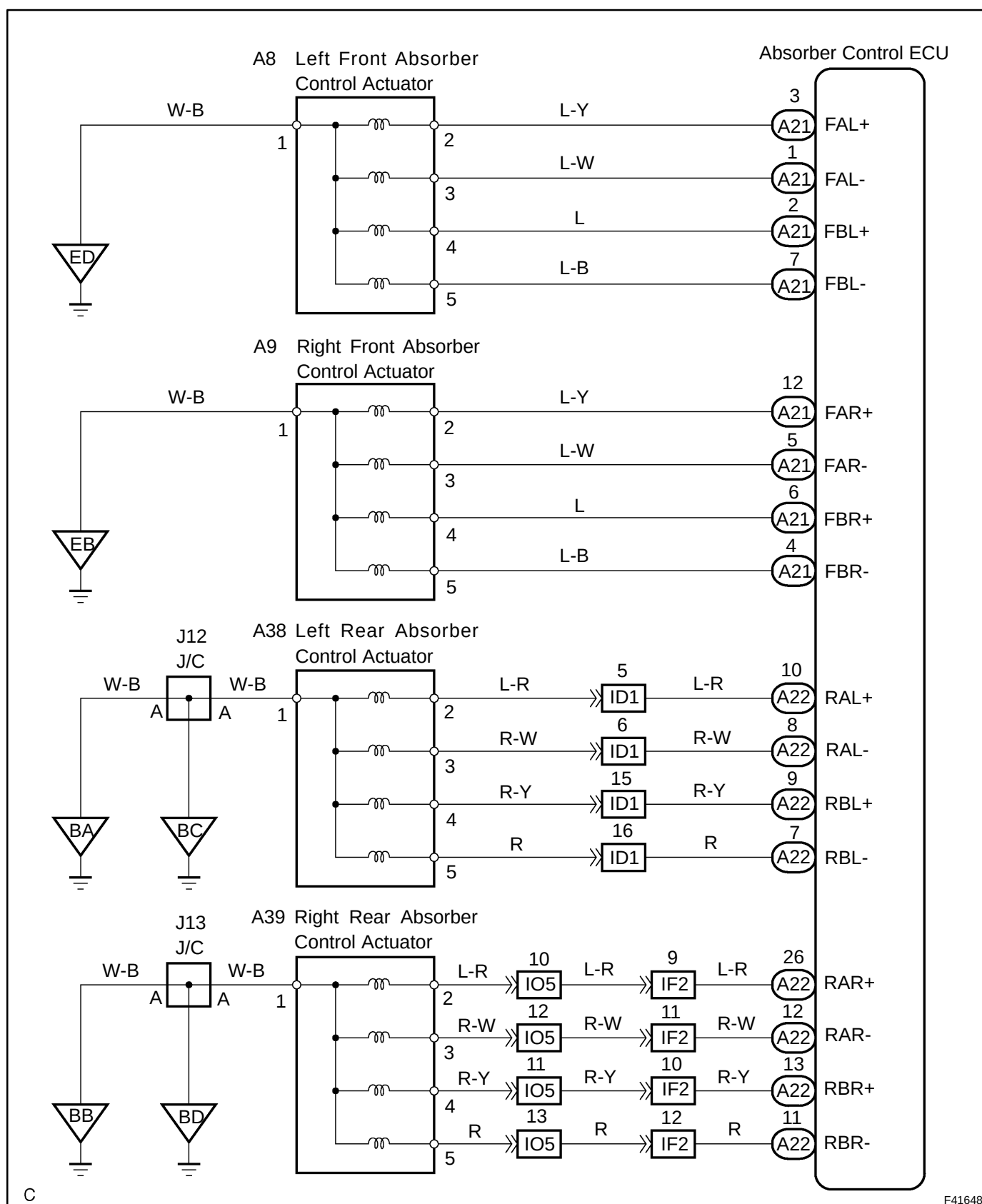
DTC	C1725/21	RIGHT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1726/22	LEFT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1727/23	RIGHT REAR ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1728/24	LEFT REAR ABSORBER CONTROL ACTUATOR CIRCUIT

CIRCUIT DESCRIPTION

Absorber control actuator switches the damping force depending on the absorber 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 are continuously detected for 1.0 second. 2. After turning ignition switch to ON, the short circuited signal of absorber control actuator are continuously detected 8 times.	• Right front absorber control actuator • Right front absorber control actuator circuit • Absorber control ECU
C1726/22		• Left front absorber control actuator • Left front absorber control actuator circuit • Absorber control ECU
C1727/23		• Right rear absorber control actuator • Right rear absorber control actuator • Absorber control ECU
C1728/24		• Left rear absorber control actuator • Left rear absorber control actuator • Absorber control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

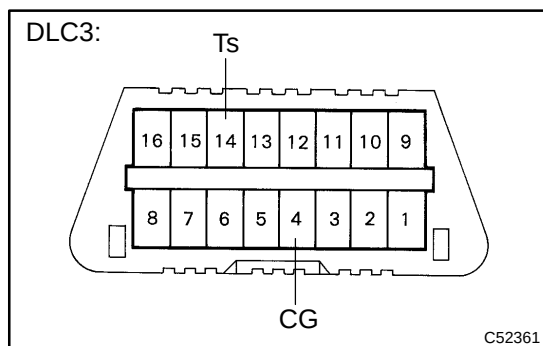
1 INSPECT ABSORBER CONTROL ACTUATOR OPERATION

In case of using hand-held tester:

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch to ON and turn the hand-held tester main switch to ON.
- (c) Select the item "DAMPER STEP FR (FL, RR, RL)" in the ACTIVE TEST and operate the absorber control actuator 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.

OK:

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



In case of not using hand-held tester:

- (a) Using SST, connect terminals Ts and CG of the DLC3 with the ignition switch to 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).
At this time, bounce the vehicle and check that the shock absorber is becoming harder.

OK:

The absorber control actuator operates.

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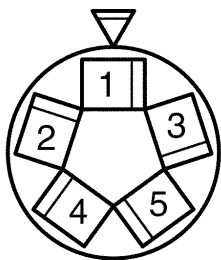
Go to step 2

OK

CHECK AND REPLACE ABSORBER CONTROL ECU(See page 01-31)

2 INSPECT ABSORBER CONTROL ACTUATOR

Front:



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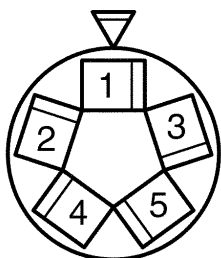
Front absorber control actuator:

- Disconnect the absorber control actuator connector.
- Measure the resistance between each terminal of the front absorber control actuator.

OK:

Terminal	Resistance
A8 or A9 - 1 and A8 or A9 - 2	13.4 - 15.0 Ω
A8 or A9 - 1 and A8 or A9 - 3	13.4 - 15.0 Ω
A8 or A9 - 1 and A8 or A9 - 4	13.4 - 15.0 Ω
A8 or A9 - 1 and A8 or A9 - 5	13.4 - 15.0 Ω

Rear:



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C91056

Rear absorber control actuator:

- Disconnect the absorber control actuator connector.
- Measure the resistance between each terminal of the rear absorber control actuator.

OK:

Terminal	Resistance
A42 or A43 - 1 and A42 or A43 - 2	13.4 - 15.0 Ω
A42 or A43 - 1 and A42 or A43 - 3	13.4 - 15.0 Ω
A42 or A43 - 1 and A42 or A43 - 4	13.4 - 15.0 Ω
A42 or A43 - 1 and A42 or A43 - 5	13.4 - 15.0 Ω

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REPLACE SHOCK ABSORBER ASSY FRONT RH

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REPLACE SHOCK ABSORBER ASSY FRONT LH

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REPLACE SHOCK ABSORBER ASSY REAR RH

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REPLACE SHOCK ABSORBER ASSY REAR LH

OK

3 CHECK HARNESS AND CONNECTOR(ABSORBER CONTROL ACTUATOR - ABSORBER CONTROL ECU)

- Check for open and short circuit in harness and connector between each absorber control actuator and absorber control ECU (See page [01-31](#)).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE ABSORBER CONTROL ECU(See page [01-31](#))