

CIRCUIT INSPECTION

DTC	21, 23	Absorber Control Actuator Circuit
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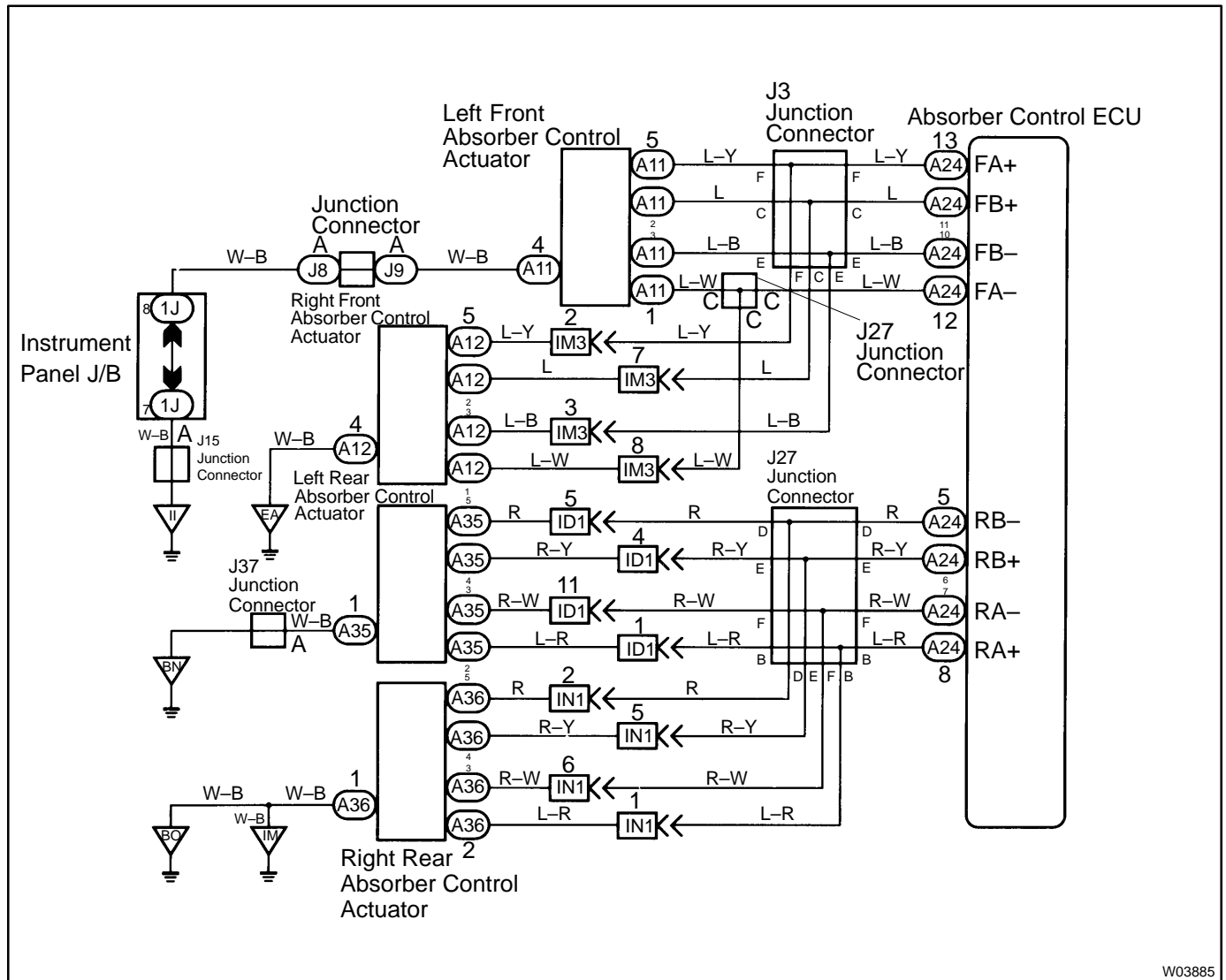
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
*121, *223	When the absorber control actuator is activated, over current flows through the front or rear driving circuit.	<ul style="list-style-type: none"> •Left front, right front, left rear and right rear absorber control actuator •Short circuit in between absorber control actuator and absorber control ECU •Absorber control ECU

*1: Code 21 corresponds to the left front and right front absorber control actuator circuit.

*2: Code 23 corresponds to the left rear and right rear absorber control actuator circuit.

WIRING DIAGRAM



W03885

INSPECTION PROCEDURE

1 Check operation of absorber control actuator.

CHECK:

Using the same method as used for the clamping force control, check that clamping force of the absorber control actuator changes.

OK:

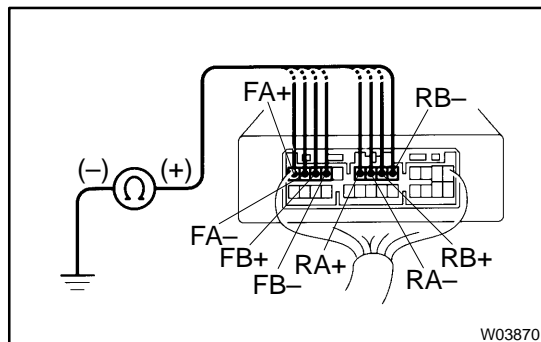
Bounce the vehicle and check that the shock absorber is becoming harder.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-224](#)).

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2 Check continuity between terminals RB–, RB+, RA–, RA+, FB–, FB+, FA– and FA+ of absorber control ECU connector and body ground.



PREPARATION:

Remove the No.1 lower panel (See page [BO-82](#)).

CHECK:

Check the continuity between terminals RB–, RB+, RA–, RA+, FB–, FB+, FA–, and FA+ of the absorber control ECU connector and the body ground.

OK:

Continuity

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Check and replace absorber control ECU

OK

3

Check absorber control actuator.**FRONT ABSORBER CONTROL ACTUATOR****PREPARATION:**

- (a) Remove the shock absorber cap (See page SA-25).
- (b) Remove the absorber control actuator connector.

CHECK:

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

OK:**Front absorber control actuator:**

Terminal A11 or A12 – 1 and A11 or A12 – 2	13.4 – 15.0 Ω
Terminal A11 or A12 – 1 and A11 or A12 – 3	13.4 – 15.0 Ω
Terminal A11 or A12 – 1 and A11 or A12 – 4	13.4 – 15.0 Ω
Terminal A11 or A12 – 1 and A11 or A12 – 5	13.4 – 15.0 Ω

REAR ABSORBER CONTROL ACTUATOR**PREPARATION:**

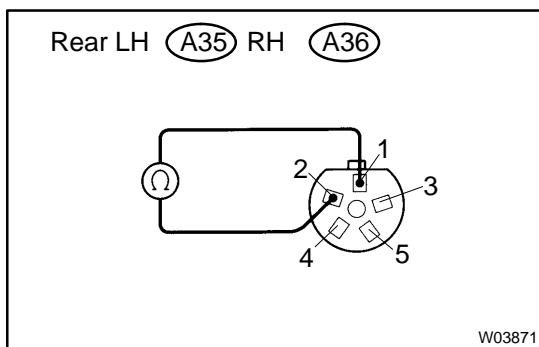
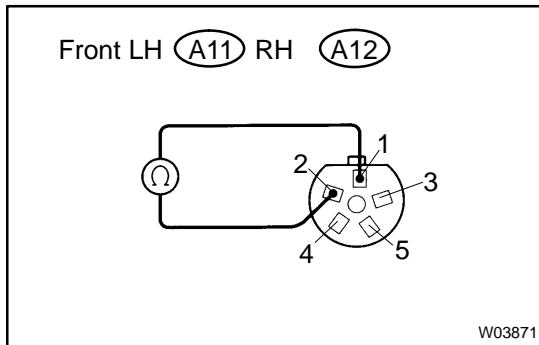
- (a) Remove the rear seat cushion, rear seat back, roof side inner garnish, high mounted stop light and seat belt.
- (b) Remove the absorber control actuator connector (See page SA-50).

CHECK:

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

OK:**Rear absorber control actuator:**

Terminal A35 or A36 – 1 and A35 or A36 – 2	13.4 – 15.0 Ω
Terminal A35 or A36 – 1 and A35 or A36 – 3	13.4 – 15.0 Ω
Terminal A35 or A36 – 1 and A35 or A36 – 4	13.4 – 15.0 Ω
Terminal A35 or A36 – 1 and A35 or A36 – 5	13.4 – 15.0 Ω

**NG****Replace absorber control actuator.****OK**

4	Check harness and connectors between absorber control ECU and absorber control actuator, absorber control actuator and body ground (See page IN-31).
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Repair or replace harness or connector.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-224](#)).*

*: When DTC 21 or 23 is displayed, check and replace the absorber control ECU.