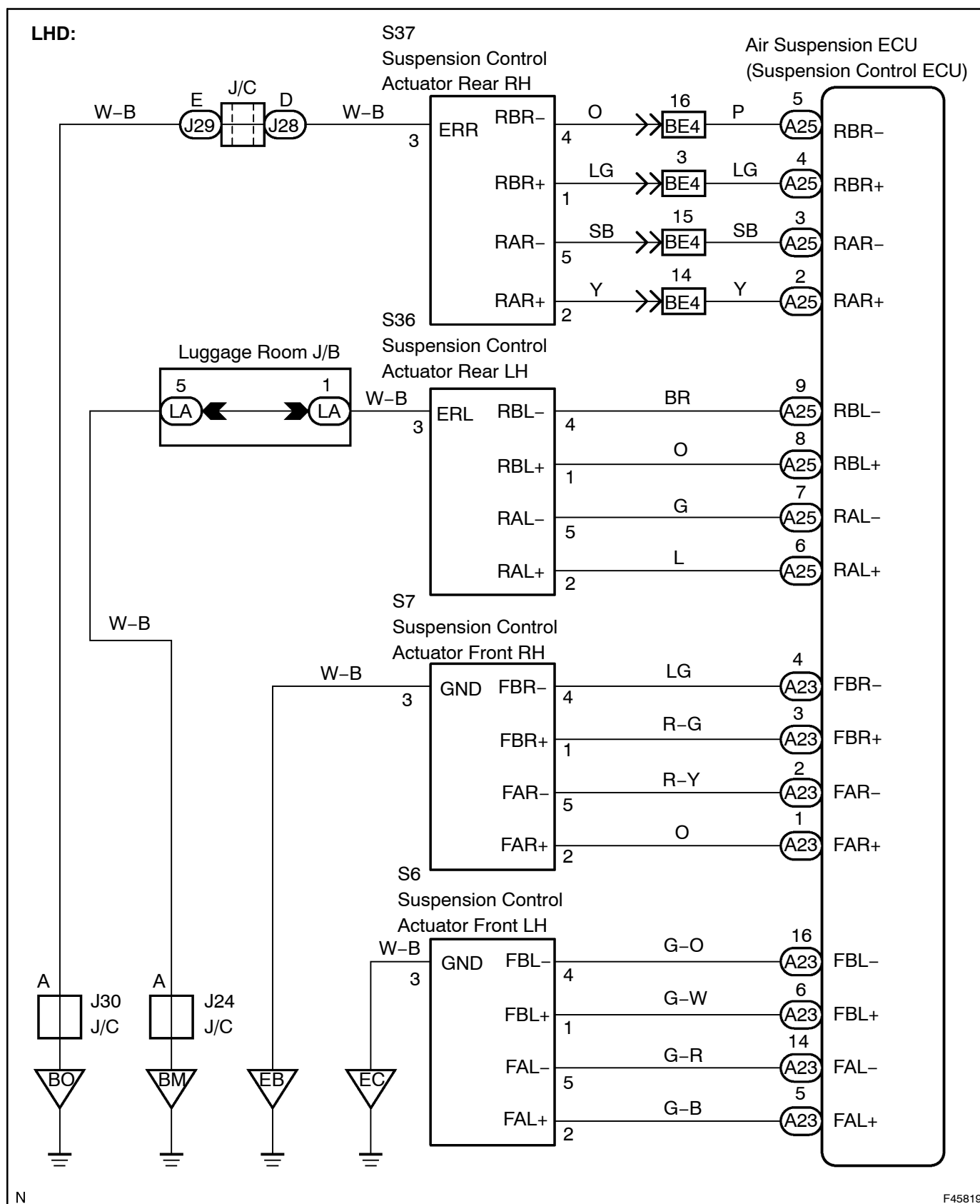


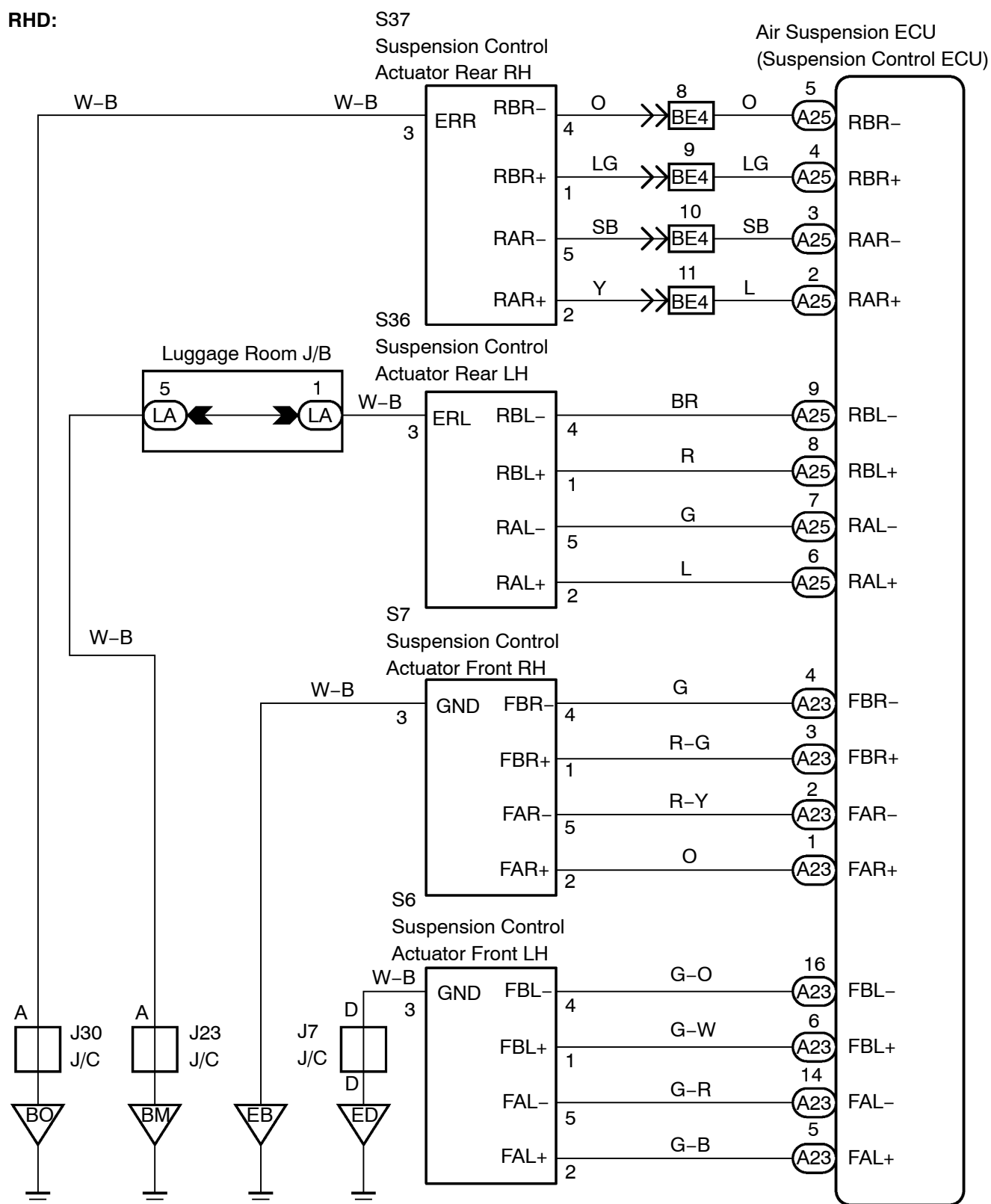
DTC	C1725	RIGHT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1726	LEFT FRONT ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1727	RIGHT REAR ABSORBER CONTROL ACTUATOR CIRCUIT
DTC	C1728	LEFT REAR ABSORBER CONTROL ACTUATOR CIRCUIT

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

DTC No.	DTC Detecting Condition	Trouble Area
C1725	Either the condition 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 the ignition switch to ON, the short circuit 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	Either the condition 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 the ignition switch to ON, the short circuit signal of absorber control actuator is continuously detected 8 times.	• Absorber control actuator front LH • Left front absorber control actuator circuit • Suspension control ECU
C1727	Either the condition 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 the ignition switch to ON, the short circuit signal of absorber control actuator is continuously detected 8 times.	• Absorber control actuator rear RH • Right rear absorber control actuator • Suspension control ECU
C1728	Either the condition 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 the ignition switch to ON, the short circuit signal of absorber control actuator is continuously detected 8 times.	• Absorber control actuator rear LH • Left rear absorber control actuator • Suspension control ECU

WIRING DIAGRAM



RHD:

INSPECTION PROCEDURE

1 INSPECT ABSORBER CONTROL ACTUATOR OPERATION

- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch to the ON position and turn the intelligent tester II main switch on.
- (c) Select the item below in the ACTIVE TEST and operate it with the intelligent tester II.

Item	Normal Condition
DAMPER STEP FR	1 to 16 step (The absorber becomes softer as the level approaches to 1 and harder as the level approaches to 16)
DAMPER STEP FL	1 to 16 step (The absorber becomes softer as the level approaches to 1 and harder as the level approaches to 16)
DAMPER STEP RR	1 to 16 step (The absorber becomes softer as the level approaches to 1 and harder as the level approaches to 16)
DAMPER STEP RL	1 to 16 step (The absorber becomes softer as the level approaches to 1 and harder as the level approaches to 16)

- (d) Check the hardness of the absorber while operating the absorber control actuator level from 1 to 16 or from 16 to 1 through the ACTIVE TEST.

OK:

Hardness of the absorber becomes harder or softer.

NG

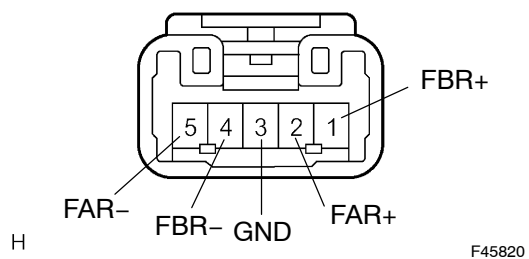
Go to step 2

OK

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25-20)

2 INSPECT ABSORBER CONTROL ACTUATOR

Absorber Control Actuator Front RH:

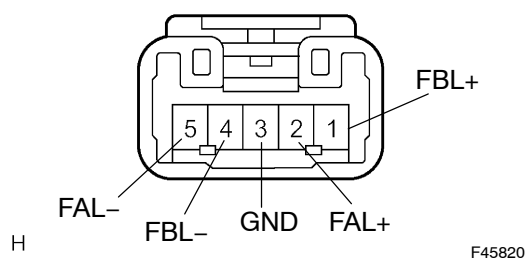


- Disconnect the absorber control actuator connector.
- Measure the resistance according to the value(s) in the table below.

Standard (Front RH): (C1725)

Tester Connection	Specified Condition
1 (FBR+) - 3 (GND)	12.0 to 12.8 Ω
2 (FAR+) - 3 (GND)	12.0 to 12.8 Ω
3 (GND) - 4 (FBR-)	12.0 to 12.8 Ω
3 (GND) - 5 (FAR-)	12.0 to 12.8 Ω

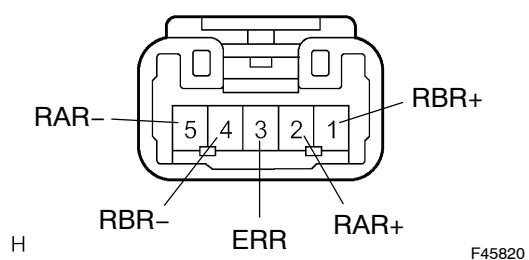
Absorber Control Actuator Front LH:



Standard (Front LH): (C1726)

Tester Connection	Specified Condition
1 (FBL+) - 3 (GND)	12.0 to 12.8 Ω
2 (FAL+) - 3 (GND)	12.0 to 12.8 Ω
3 (GND) - 4 (FBL-)	12.0 to 12.8 Ω
3 (GND) - 5 (FAL-)	12.0 to 12.8 Ω

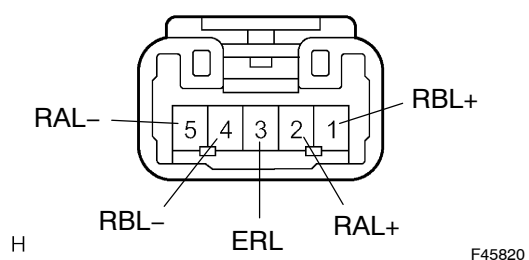
Absorber Control Actuator Rear RH:



Standard (Rear RH): (C1727)

Tester Connection	Specified Condition
1 (RBR+) - 3 (ERR)	12.0 to 12.8 Ω
2 (RAR+) - 3 (ERR)	12.0 to 12.8 Ω
3 (ERR) - 4 (RBR-)	12.0 to 12.8 Ω
3 (ERR) - 5 (RAR-)	12.0 to 12.8 Ω

Absorber Control Actuator Rear LH:



Standard (Rear LH): (C1728)

Tester Connection	Specified Condition
1 (RBL+) - 3 (ERL)	12.0 to 12.8 Ω
2 (RAL+) - 3 (ERL)	12.0 to 12.8 Ω
3 (ERL) - 4 (RBL-)	12.0 to 12.8 Ω
3 (ERL) - 5 (RAL-)	12.0 to 12.8 Ω

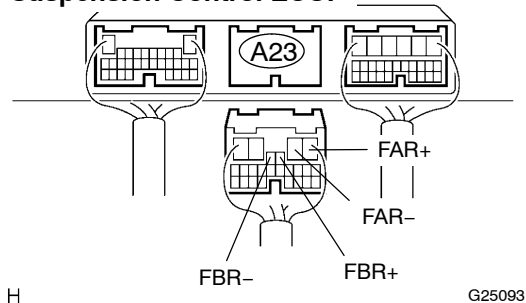
NG

REPLACE ABSORBER CONTROL ACTUATOR

OK

3 CHECK HARNESS AND CONNECTOR(ABSORBER CONTROL ACTUATOR – SUSPENSION CONTROL ECU AND BODY GROUND) (SEE PAGE 01-44)

Suspension Control ECU:

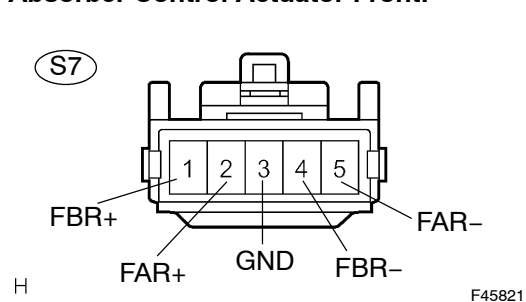


- Disconnect the air suspension ECU A23 or A25 connector.
- Measure the resistance according to the value(s) in the table below.

Standard (Front RH): (C1725)

Tester Connection	Specified Condition
A23-1 (FAR+) - S7-2 (FAR+)	Below 1 Ω
A23-2 (FAR-) - S7-5 (FAR-)	Below 1 Ω
A23-3 (FBR+) - S7-1 (FBR+)	Below 1 Ω
A23-4 (FBR-) - S7-4 (FBR-)	Below 1 Ω
A23-1 (FAR+) - Body ground	10 k Ω or higher
A23-2 (FAR-) - Body ground	10 k Ω or higher
A23-3 (FBR+) - Body ground	10 k Ω or higher
A23-4 (FBR-) - Body ground	10 k Ω or higher
S7-3 (GND) - Body ground	Below 1 Ω

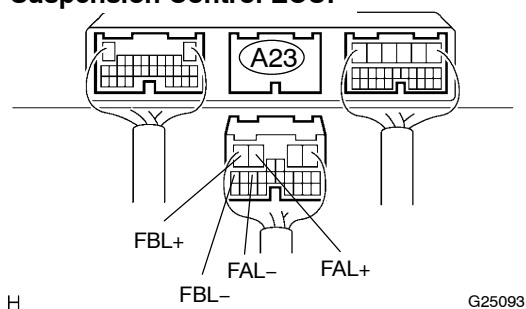
Absorber Control Actuator Front:



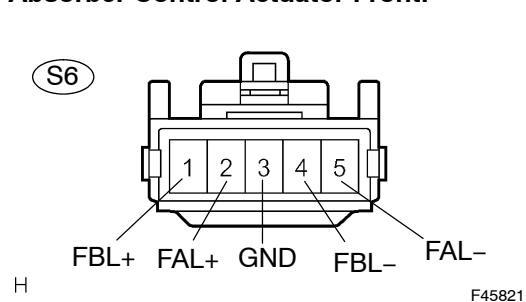
Standard (Front LH): (C1726)

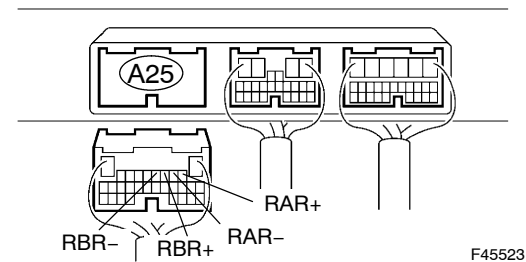
Tester Connection	Specified Condition
A23-5 (FAL+) - S6-2 (FAL+)	Below 1 Ω
A23-6 (FBL+) - S6-1 (FBL+)	Below 1 Ω
A23-14 (FAL-) - S6-5 (FAL-)	Below 1 Ω
A23-16 (FBL-) - S6-4 (FBL-)	Below 1 Ω
A23-5 (FAL+) - Body ground	10 k Ω or higher
A23-6 (FBL+) - Body ground	10 k Ω or higher
A23-14 (FAL-) - Body ground	10 k Ω or higher
A23-16 (FBL-) - Body ground	10 k Ω or higher
S6-3 (GND) - Body ground	Below 1 Ω

Suspension Control ECU:



Absorber Control Actuator Front:

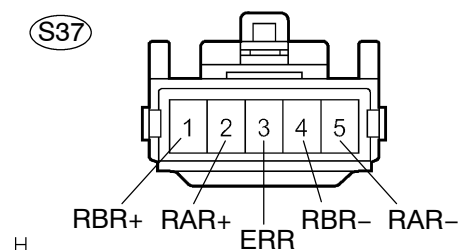


Suspension Control ECU:

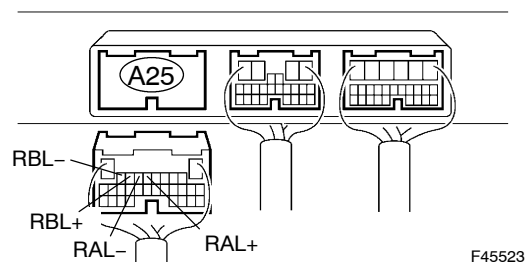
F45523

Standard (Rear RH): (C1727)

Tester Connection	Specified Condition
A25-2 (RAR+) - S37-2 (RAR+)	Below 1 Ω
A25-3 (RAR-) - S37-5 (RAR-)	Below 1 Ω
A25-4 (RBR+) - S37-1 (RBR+)	Below 1 Ω
A25-5 (RBR-) - S37-4 (RBR-)	Below 1 Ω
A25-2 (RAR+) - Body ground	10 k Ω or higher
A25-3 (RAR-) - Body ground	10 k Ω or higher
A25-4 (RBR+) - Body ground	10 k Ω or higher
A25-5 (RBR-) - Body ground	10 k Ω or higher
S37-3 (ERR) - Body ground	Below 1 Ω

Absorber Control Actuator Rear RH:

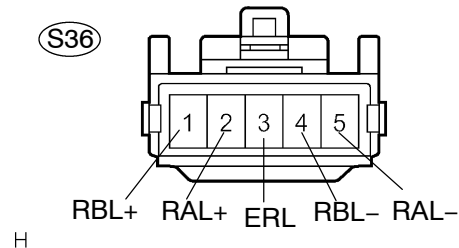
F45821

Suspension Control ECU:

F45523

Standard (Rear LH): (C1728)

Tester Connection	Specified Condition
A25-6 (RAL+) - S36-2 (RAL+)	Below 1 Ω
A25-7 (RAL-) - S36-5 (RAL-)	Below 1 Ω
A25-8 (RBL+) - S36-1 (RBL+)	Below 1 Ω
A25-9 (RBL-) - S36-4 (RBL-)	Below 1 Ω
A25-6 (RAL+) - Body ground	10 k Ω or higher
A25-7 (RAL-) - Body ground	10 k Ω or higher
A25-8 (RBL+) - Body ground	10 k Ω or higher
A25-9 (RBL-) - Body ground	10 k Ω or higher
S36-3 (ERL) - Body ground	Below 1 Ω

Absorber Control Actuator Rear LH:

F45821

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25-20)