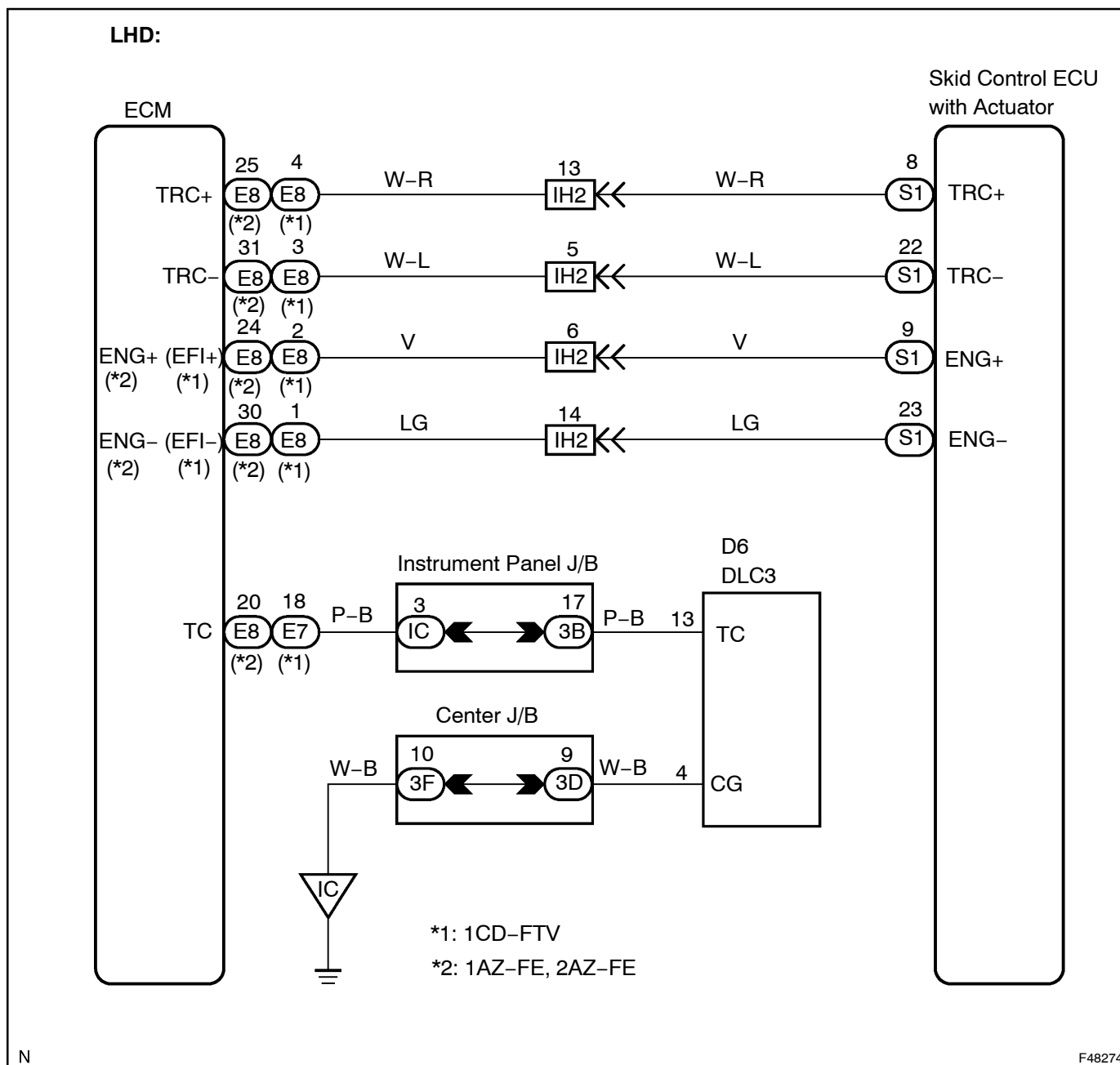


## TC AND CG TERMINAL CIRCUIT

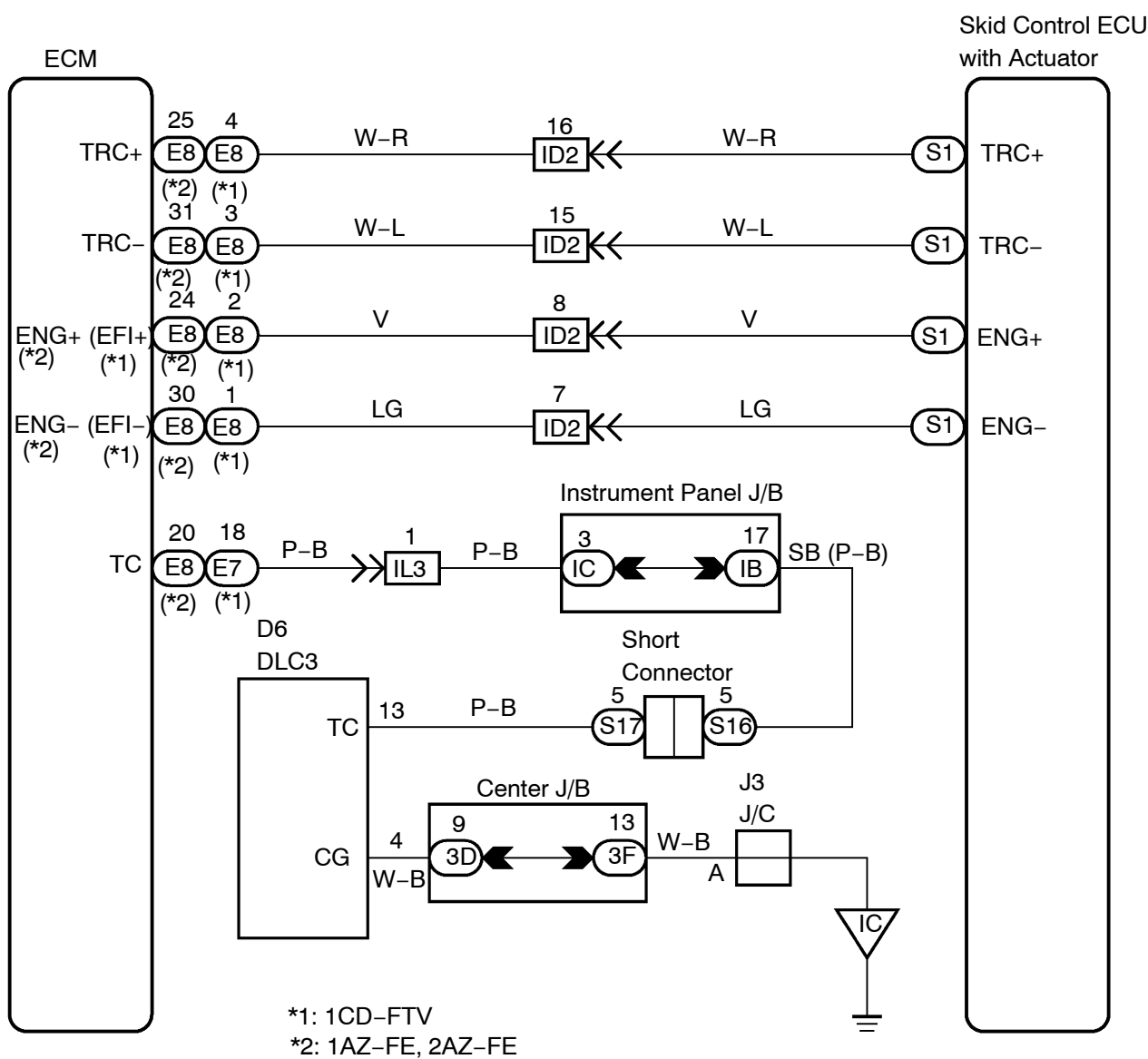
### CIRCUIT DESCRIPTION

Connecting terminals TC and CG of the DLC3 causes the ECU to display the DTC by flashing the ABS warning light.

### WIRING DIAGRAM



RHD:

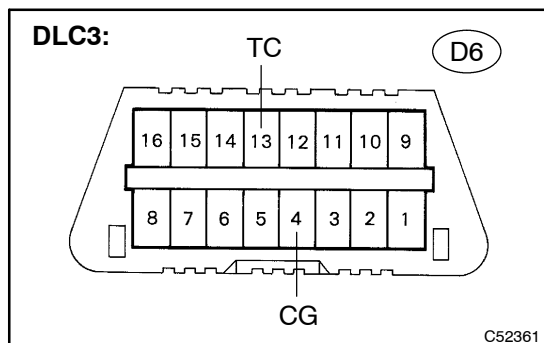


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## INSPECTION PROCEDURE

### 1 INSPECT DLC3 TERMINAL VOLTAGE(DLC3 TERMINAL VOLTAGE)



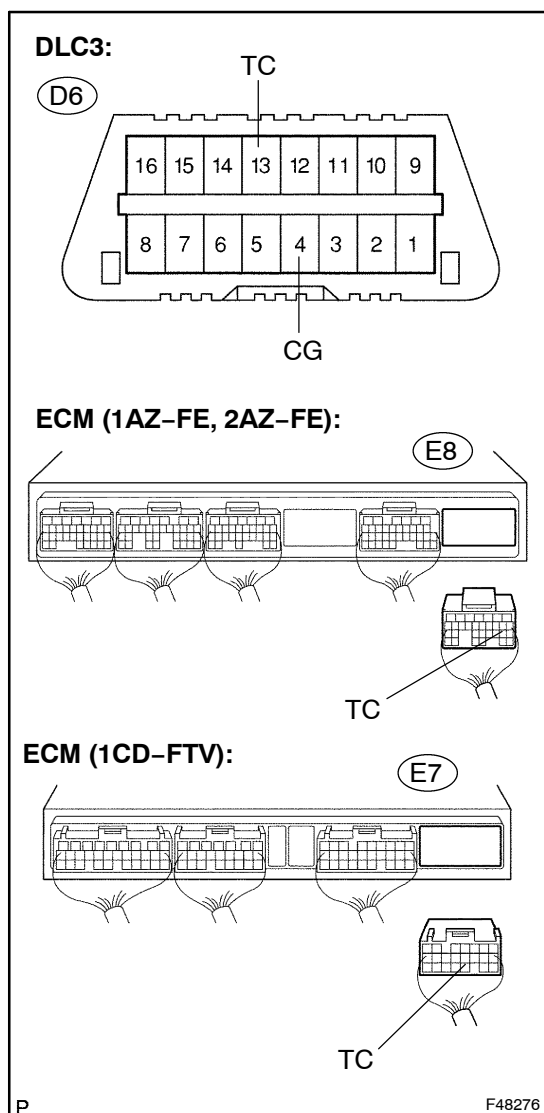
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

**Standard:**

Tester Connection	Specified Condition
D6-13 (TC) - D6-4 (CG)	10 to 14 V

**NG**
**Go to step 4**
**OK**

### 2 CHECK HARNESS AND CONNECTOR(ECM - DLC3)



- Disconnect the ECM E8 or E7 connector.
- Measure the resistance according to the value(s) in the table below.

**Standard (1AZ-FE, 2AZ-FE):**

Tester Connection	Specified Condition
E8-20 (TC) - D6-13 (TC)	Below 1 $\Omega$
D6-13 (TC) - Body ground	10 k $\Omega$ or higher

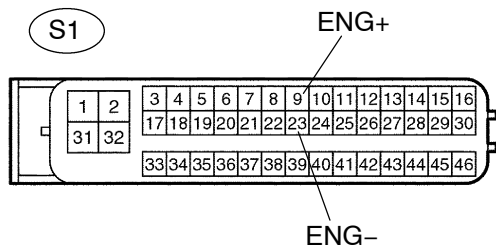
**Standard (1CD-FTV):**

Tester Connection	Specified Condition
E7-18 (TC) - D6-13 (TC)	Below 1 $\Omega$
D6-13 (TC) - Body ground	10 k $\Omega$ or higher

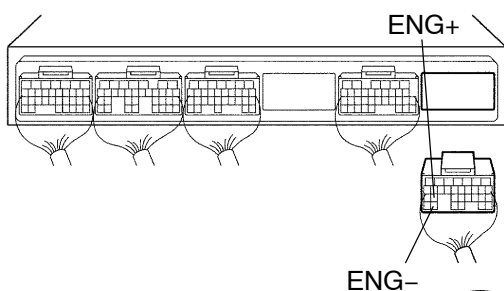
**NG**
**REPAIR OR REPLACE HARNESS OR CONNECTOR**
**OK**

### 3 CHECK HARNESS AND CONNECTOR (ECM - SKID CONTROL ECU)

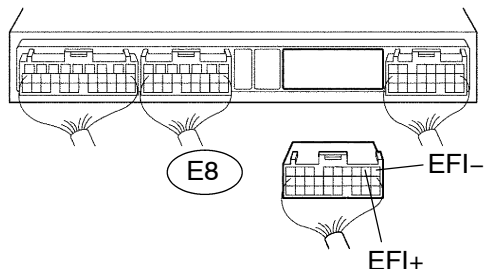
#### Skid Control ECU:



#### ECM (1AZ-FE, 2AZ-FE):



#### ECM (1CD-FTV):



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- Disconnect the skid control ECU S1 connector and the ECM E8 connector.
- Measure the resistance according to the value(s) in the table below.

#### Standard (1AZ-FE, 2AZ-FE):

Tester Connection	Specified Condition
E8-24 (ENG+) - S1-9 (ENG+)	Below 1 $\Omega$
E8-30 (ENG-) - S1-23 (ENG-)	Below 1 $\Omega$
S1-9 (ENG+) - Body ground	10 k $\Omega$ or higher
S1-23 (ENG-) - Body ground	10 k $\Omega$ or higher

#### Standard (1CD-FTV):

Tester Connection	Specified Condition
E8-2 (EFI+) - S1-9 (ENG+)	Below 1 $\Omega$
E8-1 (EFI-) - S1-23 (ENG-)	Below 1 $\Omega$
S1-9 (ENG+) - Body ground	10 k $\Omega$ or higher
S1-23 (ENG-) - Body ground	10 k $\Omega$ or higher

NG

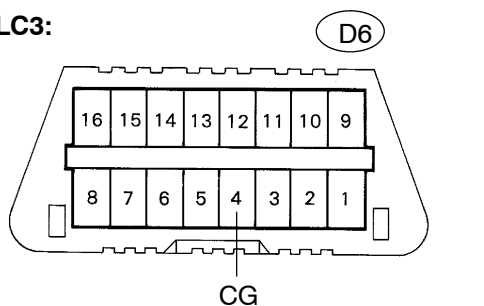
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (See page 32-20)

#### NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).

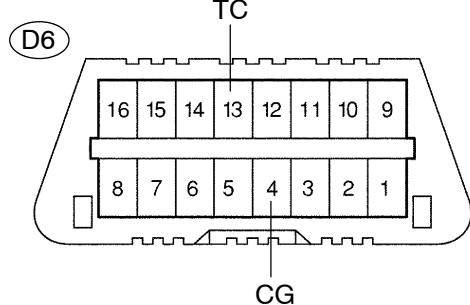
**4 CHECK HARNESS AND CONNECTOR(DLC 3 – BODY GROUND)****DLC3:**

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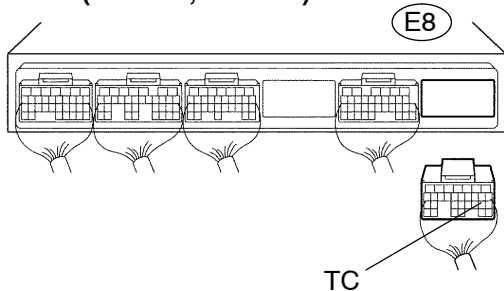
- (a) Disconnect the skid control ECU connector.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

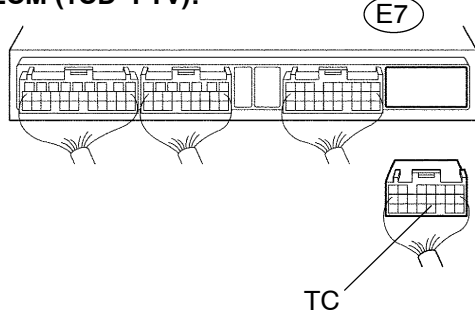
Tester Connection	Specified Condition
D6-4 (CG) – Body ground	Below 1 $\Omega$

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****5 CHECK HARNESS AND CONNECTOR(ECM – DLC3)****DLC3:**

CG

**ECM (1AZ-FE, 2AZ-FE):**

TC

**ECM (1CD-FTV):**

TC

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- (a) Disconnect the ECM E8 or E7 connector.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard (1AZ-FE, 2AZ-FE):**

Tester Connection	Specified Condition
E8-20 (TC) – D6-13 (TC)	Below 1 $\Omega$
D6-13 (TC) – Body ground	10 k $\Omega$ or higher

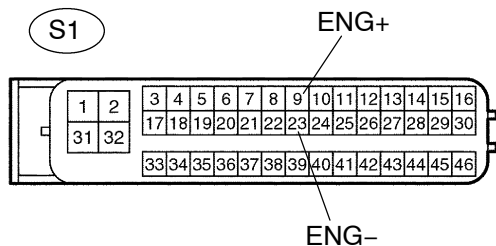
**Standard (1CD-FTV):**

Tester Connection	Specified Condition
E7-18 (TC) – D6-13 (TC)	Below 1 $\Omega$
D6-13 (TC) – Body ground	10 k $\Omega$ or higher

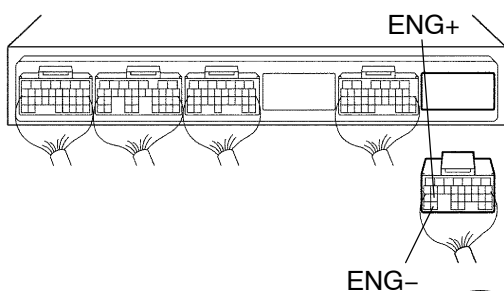
**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK**

## 6 CHECK HARNESS AND CONNECTOR (ECM - SKID CONTROL ECU)

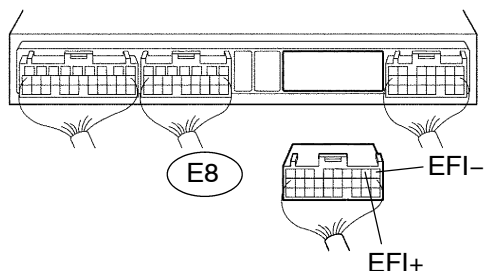
### Skid Control ECU:



### ECM (1AZ-FE, 2AZ-FE):



### ECM (1CD-FTV):



- (a) Disconnect the skid control ECU S1 connector and the ECM E8 connector.
- (b) Measure the resistance according to the value(s) in the table below.

### Standard (1AZ-FE, 2AZ-FE):

Tester Connection	Specified Condition
E8-24 (ENG+) - S1-9 (ENG+)	Below 1 $\Omega$
E8-30 (ENG-) - S1-23 (ENG-)	Below 1 $\Omega$
S1-9 (ENG+) - Body ground	10 k $\Omega$ or higher
S1-23 (ENG-) - Body ground	10 k $\Omega$ or higher

### Standard (1CD-FTV):

Tester Connection	Specified Condition
E8-2 (EFI+) - S1-9 (ENG+)	Below 1 $\Omega$
E8-1 (EFI-) - S1-23 (ENG-)	Below 1 $\Omega$
S1-9 (ENG+) - Body ground	10 k $\Omega$ or higher
S1-23 (ENG-) - Body ground	10 k $\Omega$ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)

### NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).