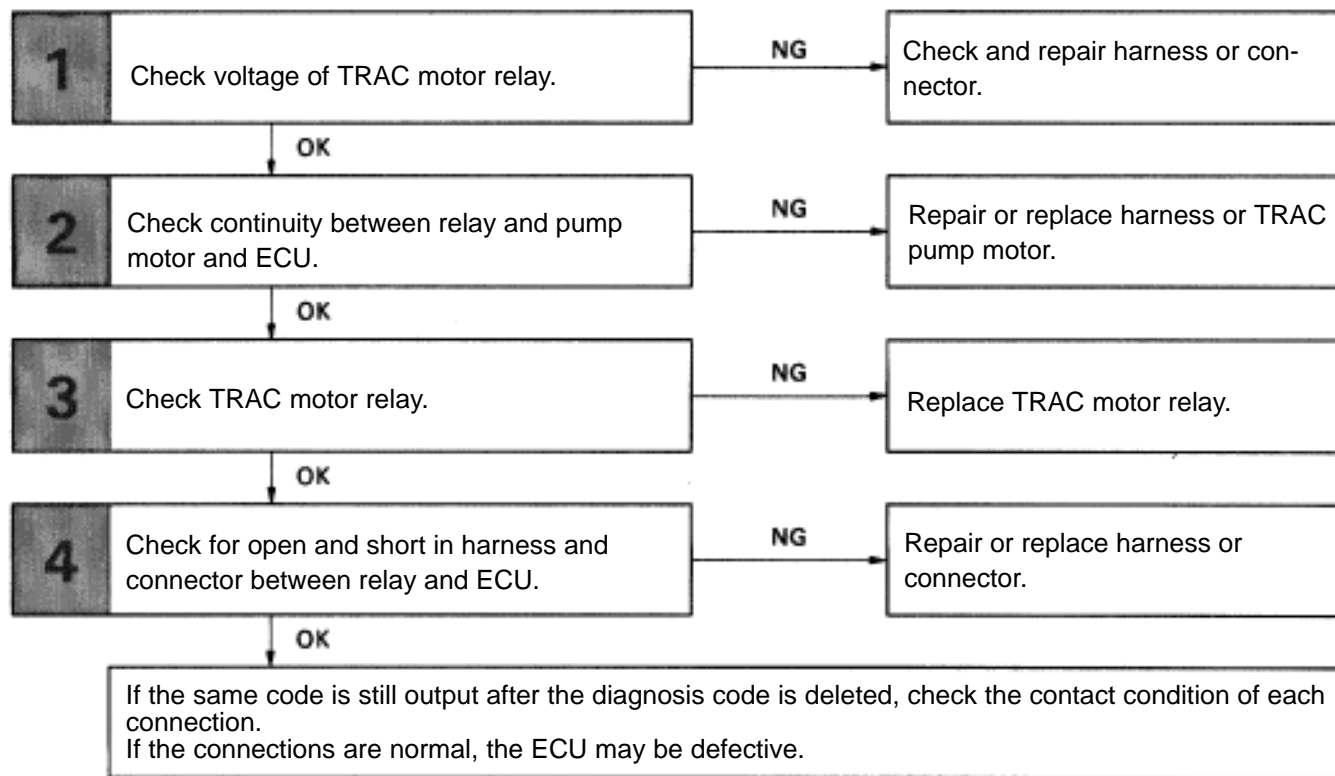


Diag. Code 17, 18**TRAC Motor Relay Circuit****— CIRCUIT DESCRIPTION —**

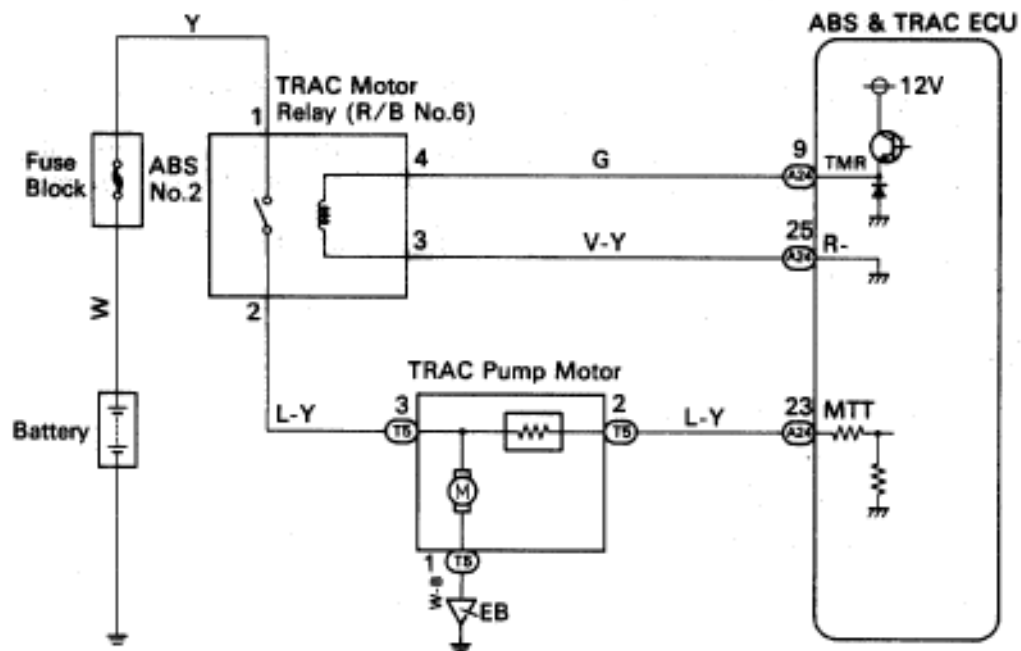
This relay circuit supplies power to the TRAC motor relay. If the accumulator pressure drops, the ECU switches the motor relay ON and operates the TRAC motor.

Code No.	Diagnostic Code Detecting Condition	Trouble Area
17	Conditions (1) through (4) continue for 0.2 sec. or more: (1) TRAC solenoid relay: ON (2) No open circuit in TRAC solenoid relay (3) TRAC motor relay : ON (4) Voltage of ABS & TRAC ECU terminal MTT : 0V	<ul style="list-style-type: none"> •TRAC motor relay •Open or short in TRAC motor relay circuit •ECU
18	Conditions (1) and (2) continue for 2 sec. or more: (1) TRAC motor relay : OFF (2) Voltage of ABS & TRAC ECU terminal MTT: Battery voltage	<ul style="list-style-type: none"> •TRAC motor relay •+B short in TRAC motor relay circuit •ECU

Fail safe function: If trouble occurs in this relay circuit, the ECU cuts off current to the TRAC motor relay and prohibits ABS control.

— DIAGNOSTIC CHART —

WIRING DIAGRAM



BR5416

INSPECTION PROCEDURE

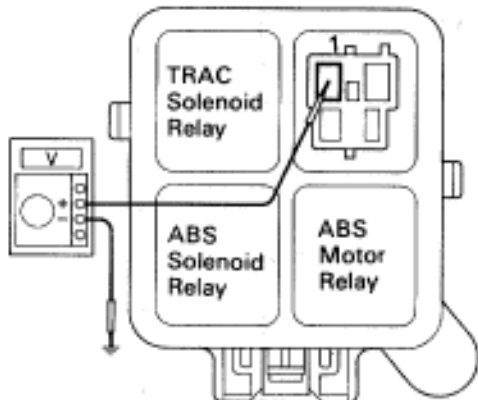
1

Check voltage between terminal 1 of R/B No.6 (for TRAC motor relay) and body ground.

OFF



R/B No.6

BE9653
BR5432

P

Remove TRAC motor relay from R/B No.6.

C

Measure voltage between terminal 1 of R/B No.6 (for TRAC motor relay) and body ground.

OK

Voltage: 10 – 14V

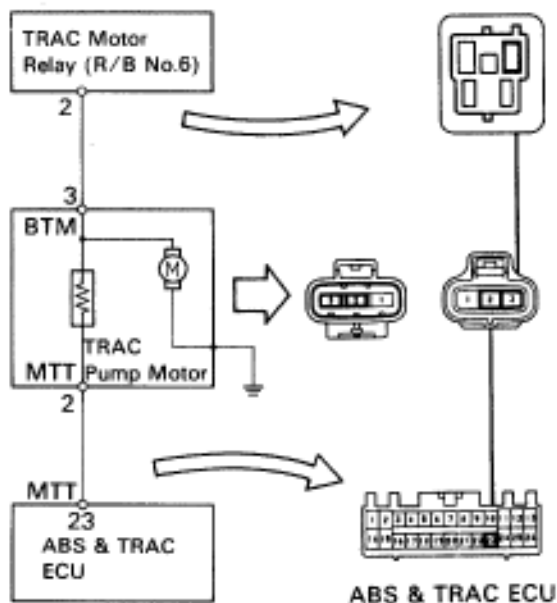
OK

NG

Check and repair harness or connector.

2

Check continuity between terminal 2 of R/B No.6 (for TRAC motor relay) and terminal MTT of ABS & TRAC ECU.



BR5386 BR5386

C

Check continuity between terminal 2 of R/B No.6 (for TRAC motor relay) and terminal MTT of ABS & TRAC ECU.

OK

Continuity

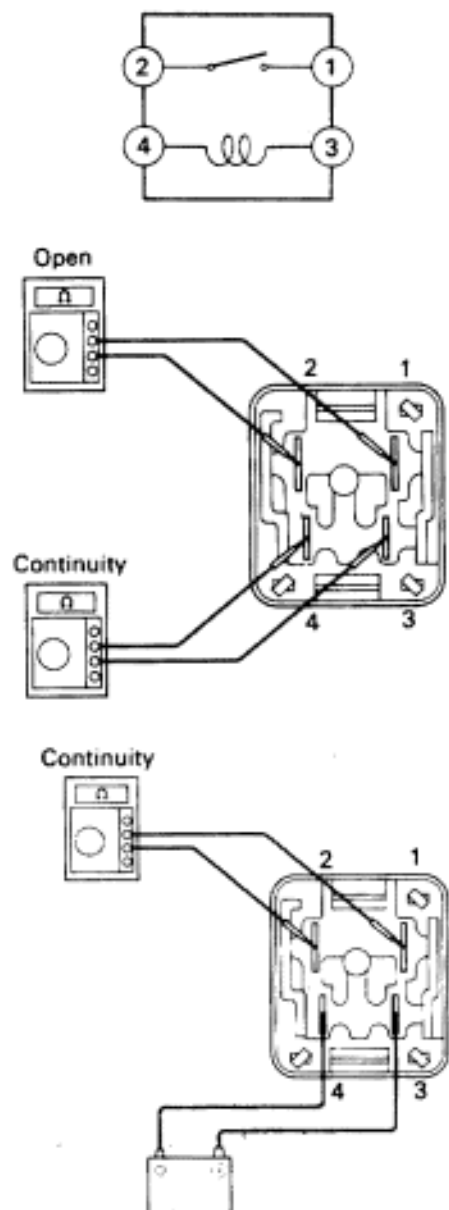
HINT

There is a resistance of 4 – 6Ω between terminals BTM and MTT of TRAC pump motor.

OK

NG

Repair or replace harness or TRAC pump motor.

3**Check TRAC motor relay.**
 BE1B40
 BR5410
 BR5411
P

Remove motor relay from R/B No.6.

C

Check continuity between each pair of terminal of motor relay shown below.

OK

Terminals 3 and 4	Continuity (Reference value 54 Ω)
Terminals 1 and 2	Open

C

1. Apply battery voltage between terminals 3 and 4.
2. Check continuity between terminals shown below

OK

Terminals 1 and 2	Continuity
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OK**NG**

Replace TRAC motor relay.

4**Check for open and short in harness and connector between TRAC motor relay and ABS & TRAC ECU (See page [IN-27](#)).****OK****NG**

Repair or replace harness or connector.

If the same code is still output after the diagnosis code is deleted, check the contact condition of each connection.
 If the connections are normal, the ECU may be defective.