

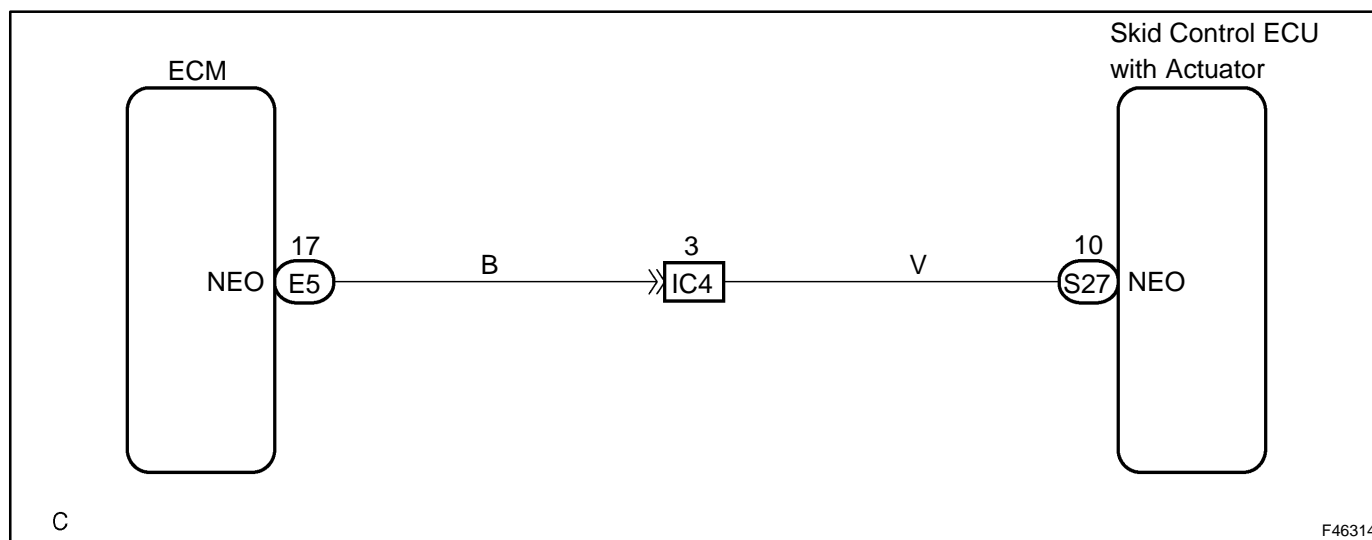
DTC	C1224/44	NE SIGNAL CIRCUIT
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CIRCUIT DESCRIPTION

The skid control ECU receives engine revolution speed signals (NE signals) from the ECM.

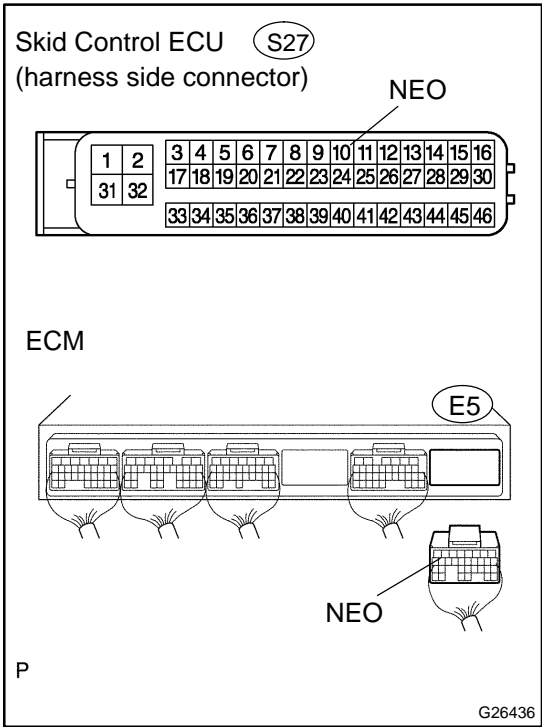
DTC No.	DTC Detecting Condition	Trouble Area
C1224/44	<p>When any of the following (1 to 2) is detected:</p> <p>(1) Any of the following conditions continues for at least 10 seconds.</p> <ul style="list-style-type: none"> • Data can be received properly from ECM at a speed of more than 19 mph (30 km/h). • Open or short in engine rpm signal circuit. <p>(2) Any of the following conditions continues for at least 0.24 seconds.</p> <ul style="list-style-type: none"> • TRAC is in operation. • Open or short in engine rpm signal circuit. 	<ul style="list-style-type: none"> • NEO circuit • ECM • Skid control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU - ECM)



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

Standard:

Tester Connection	Specified Condition
S27-10 (NEO) - E5-17 (NEO)	Below 1 Ω

- (c) Measure the resistance according to the value(s) in the table below.

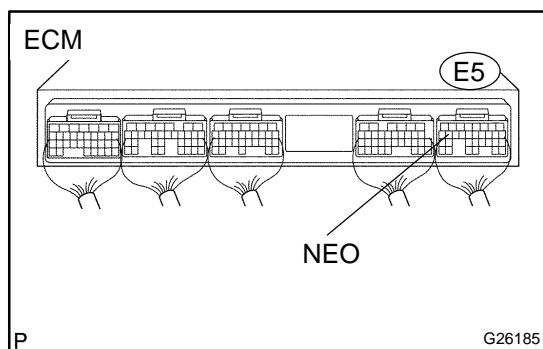
Standard:

Tester Connection	Specified Condition
S27-10 (NEO) - Body ground	10 k Ω or higher

NG

REPAIR OR CONNECTOR REPLACE HARNESS OR

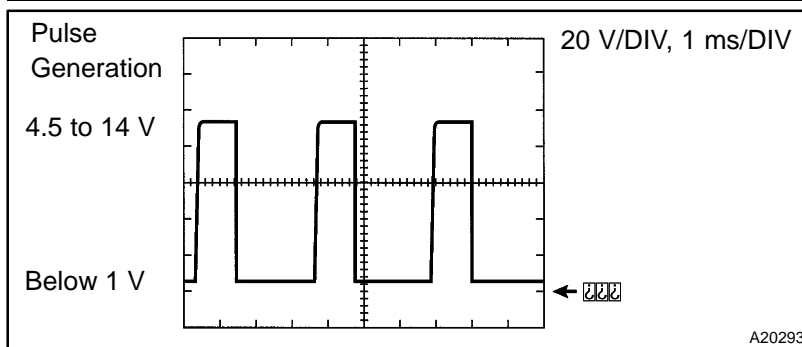
OK

2 INSPECT ECM TERMINAL VOLTAGE(NEO TERMINAL)

- Reconnect the ECM connector and the skid control ECU connector.
- Check the signal waveform between terminal NEO (E5-17) of the ECM and body ground for the engine conditions below.

OK:

Tester Connection	Engine Condition	Specified condition
E5-17 (NEO) - Body ground	OFF (Ignition switch ON)	4.5 to 14 V or below 1 V
E5-17 (NEO) - Body ground	ON (Idling)	Pulse generation (4.5 to 14 V ↔ below 1 V)

**NG****REPLACE ECM****OK****3 CHECK IF SKID CONTROL ECU CONNECTOR IS SECURELY CONNECTED****NG****CONNECT CONNECTOR TO ECU****OK****4 RECONFIRM DTC**

- Clear the DTCs (see page [05-765](#)).
- Turn the ignition switch to the ON position.
- Are the same DTCs recorded?

NO

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE [05-786](#))**

YES**REPLACE ABS & TRACTION ACTUATOR ASSY(SEE PAGE [32-37](#))**