

Last Modified: 7-27-2016	6.6 C	Doc ID: RM000001N9B00EX
Model Year Start: 2009	Model: GX470	Prod Date Range: [08/2008 -]
Title: SUSPENSION CONTROL: AIR SUSPENSION SYSTEM: C1761/61; ECU Malfunction; 2009 MY GX470 [08/2008 -]		

DTC	C1761/61	ECU Malfunction
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DESCRIPTION

DTC NO.	DTC DETECTING CONDITION	TROUBLE AREA
C1761/61	Suspension control ECU malfunction	Suspension control ECU

INSPECTION PROCEDURE

HINT:

- If DTC C1774/74 (power source circuit) is displayed, perform the inspection necessary for DTC C1774/74 first INFO.
- If DTC C1713/13 (right rear height control sensor circuit), C1714/14 (left rear height control sensor circuit) and C1761/61 (ECU malfunction) are output at the same time, perform the inspection necessary for DTC C1761/61 first.

PROCEDURE

1.	INSPECT HEIGHT CONTROL OFF INDICATOR LIGHT
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(a) Turn the ignition switch to ON, and check the height control OFF indicator light.

A

Height control OFF indicator light come on

B

Height control OFF indicator light does not come on

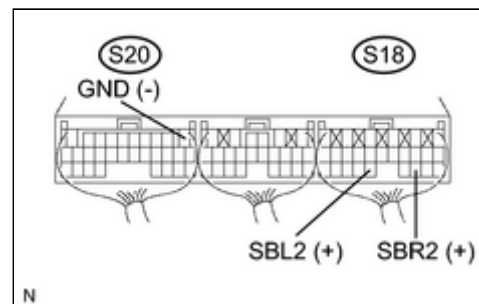
B  **GO TO STEP 4**

A



2.	INSPECT SUSPENSION CONTROL ECU (HEIGHT CONTROL SENSOR SUB-ASSEMBLY REAR POWER SOURCE)
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(a) Remove the suspension control ECU with connectors being connected.



- (b) Turn the ignition switch ON, and measure voltage between terminals S18-20 (SBR2) and S20-1 (GND) and between terminals S18-22 (SBL2) and S20-1 (GND) of the suspension control ECU connector.

Standard voltage:
4.5 to 5.5 V

NG ▶ REPLACE SUSPENSION CONTROL ECU

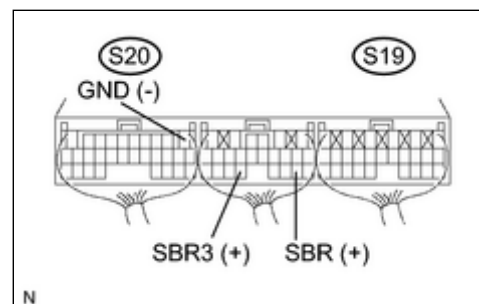
OK



3.	INSPECT SUSPENSION CONTROL ECU (ACCELERATION SENSOR POWER SOURCE)
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- (a) Turn the ignition switch ON, and measure voltage between terminals S19-18 (SBR) and S20-1 (GND) and between terminals S19-21 (SBR3) and S20-1 (GND) of the suspension control ECU connector.

Standard voltage:
4.5 to 5.5 V



NG ▶ CHECK ACCELERATION SENSOR CIRCUIT

OK

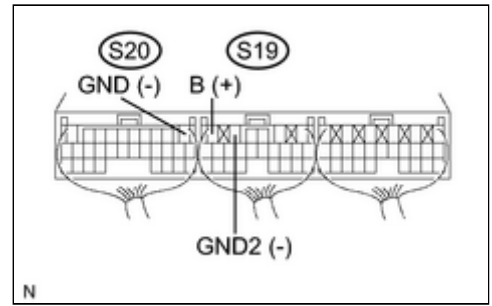


4.	REPLACE SUSPENSION CONTROL ECU (ECU POWER SOURCE)
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- (a) Turn the ignition switch OFF, and measure voltage between terminals S19-6 (B) and S20-1 (GND) and between S19-6 (B) and S19-5 (GND2) of the suspension control ECU connector.

Standard voltage:

10 to 14 V



NG ► CHECK POWER SOURCE CIRCUIT

OK ► REPLACE SUSPENSION CONTROL ECU

