

# VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS) > Diagnostic Procedure with Diagnostic Trouble Code (DTC)

## DTC C0071 STEER ANGLE SENSOR OP

### DTC DETECTING CONDITION:

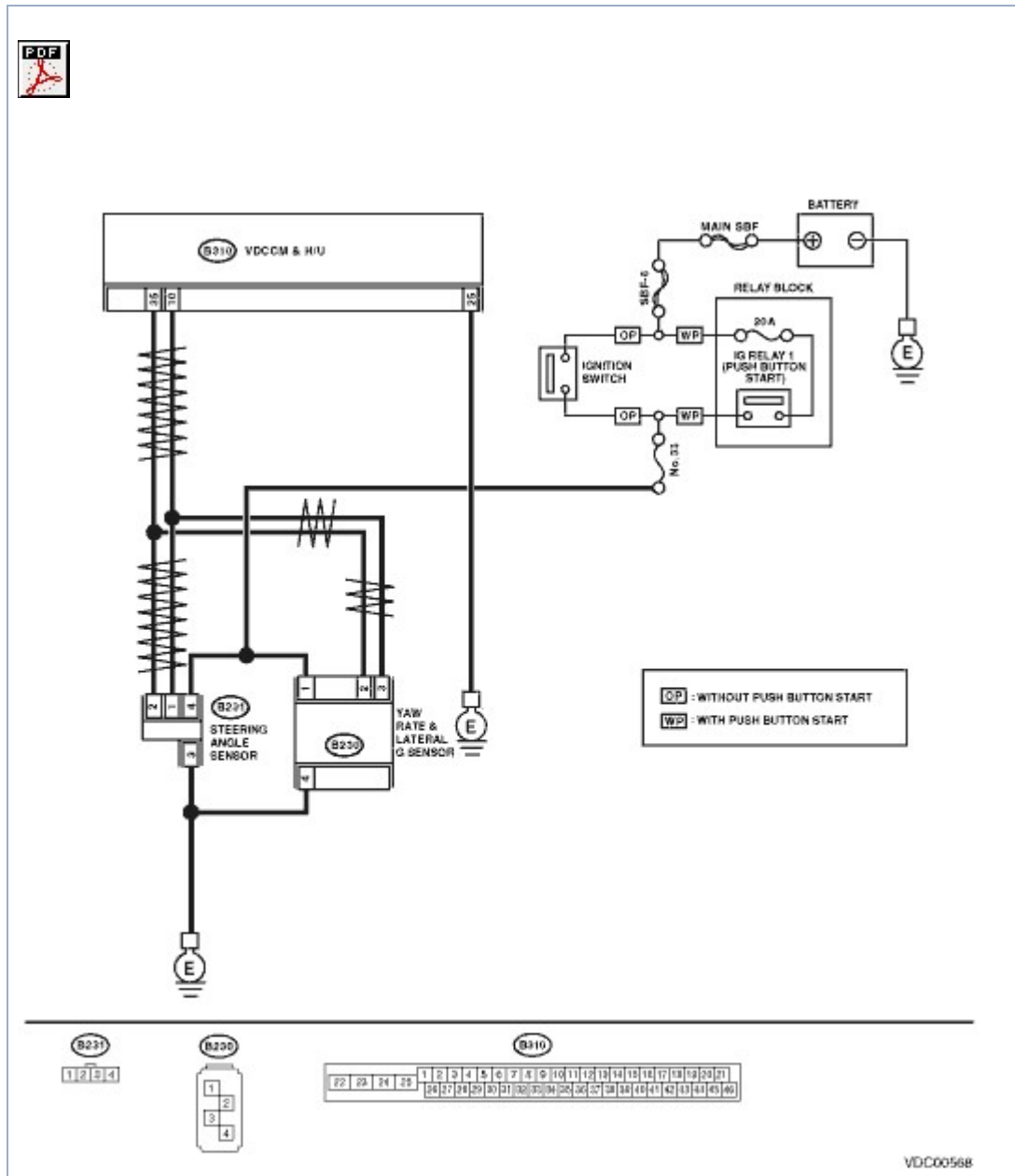
Signal does not come from steering angle sensor.

### TROUBLE SYMPTOM:

VDC does not operate.

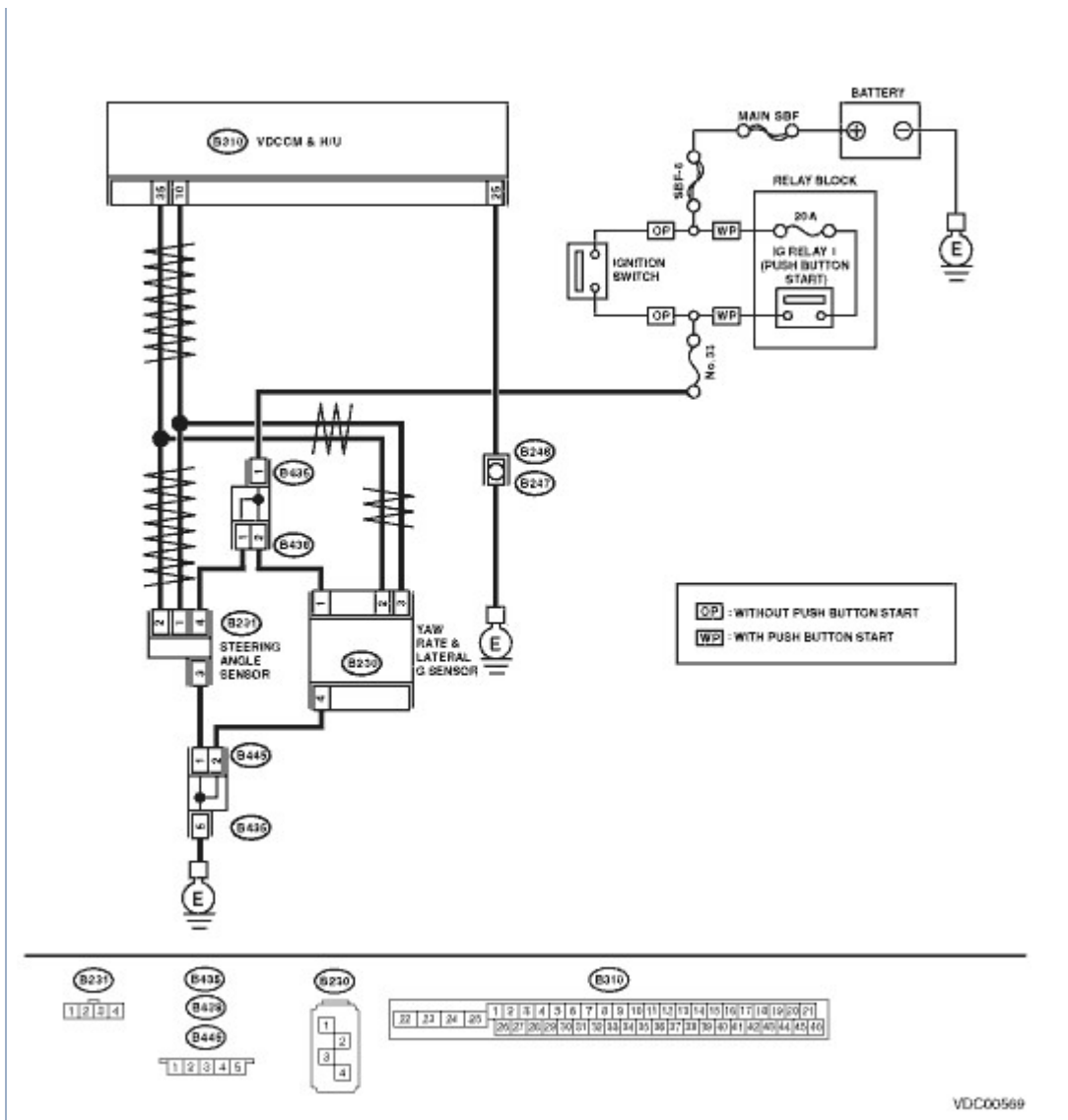
### WIRING DIAGRAM:

- LHD model









- RHD model





VDC00569

STEP	CHECK	YES	NO
<p><b>1.CHECK POWER SUPPLY FOR STEERING ANGLE SENSOR.</b></p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Disconnect the connector from steering angle sensor.</p> <p>3) Turn the ignition switch to ON.</p> <p>4) Measure the voltage between the steering angle sensor and chassis ground.</p> <p><b>Connector &amp; terminal</b> (B231) No. 4 (+) – Chassis ground (-):</p>	<p>Is the voltage 10 – 15 V?</p>		<p>Repair the steering angle sensor power supply circuit.</p>
<p><b>2.CHECK GROUND CIRCUIT OF STEERING ANGLE SENSOR.</b></p> <p>Measure the resistance between steering angle sensor and chassis ground.</p> <p><b>Connector &amp; terminal</b></p>	<p>Is the resistance less than 0.5 Ω?</p>		<p>Repair ground circuit in the steering angle sensor.</p>

STEP	CHECK	YES	NO
(B231) No. 3 — Chassis ground:			
<b>3.CHECK STEERING ANGLE SENSOR HARNESS.</b> 1) Disconnect the connector from the VDCCM&H/U. 2) Measure the resistance between VDCCM&H/U and steering angel sensor. <b>Connector &amp; terminal</b> (B231) No. 1 — (B310) No. 10: (B231) No. 2 — (B310) No. 35:	Is the resistance less than 0.5 Ω?		Repair the harness between the steering angle sensor and VDCCM&H/U.
<b>4.CHECK GROUND SHORT CIRCUIT OF STEERING ANGLE SENSOR HARNESS.</b> Measure the resistance between steering angle sensor and chassis ground. <b>Connector &amp; terminal</b> (B231) No. 1 — Chassis ground: (B231) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?		Repair the harness between the steering angle sensor and VDCCM&H/U.
<b>5.CHECK STEERING ANGLE SENSOR.</b> 1) Turn the ignition switch to OFF. 2) Connect all the connectors. 3) Clear the memory. 4) Perform the Inspection Mode. 5) Read the DTC.	Is the same DTC displayed?		
<b>6.CHECK THE VDCCM&amp;H/U.</b> 1) Turn the ignition switch to OFF. 2) Replace the steering angle sensor. 3) Clear the memory. 4) Perform the Inspection Mode. 5) Read the DTC.	Is the same DTC displayed?	Replace the VDCCM only. 	
<b>7.CHECK OTHER DTC DETECTION.</b>	Is any other DTC displayed?	Perform the diagnosis according to DTC.	Temporary poor contact occurs.
<b>8.CHECK OTHER DTC DETECTION.</b>	Is any other DTC displayed?	Perform the diagnosis according to DTC.	Original steering angle sensor malfunction