

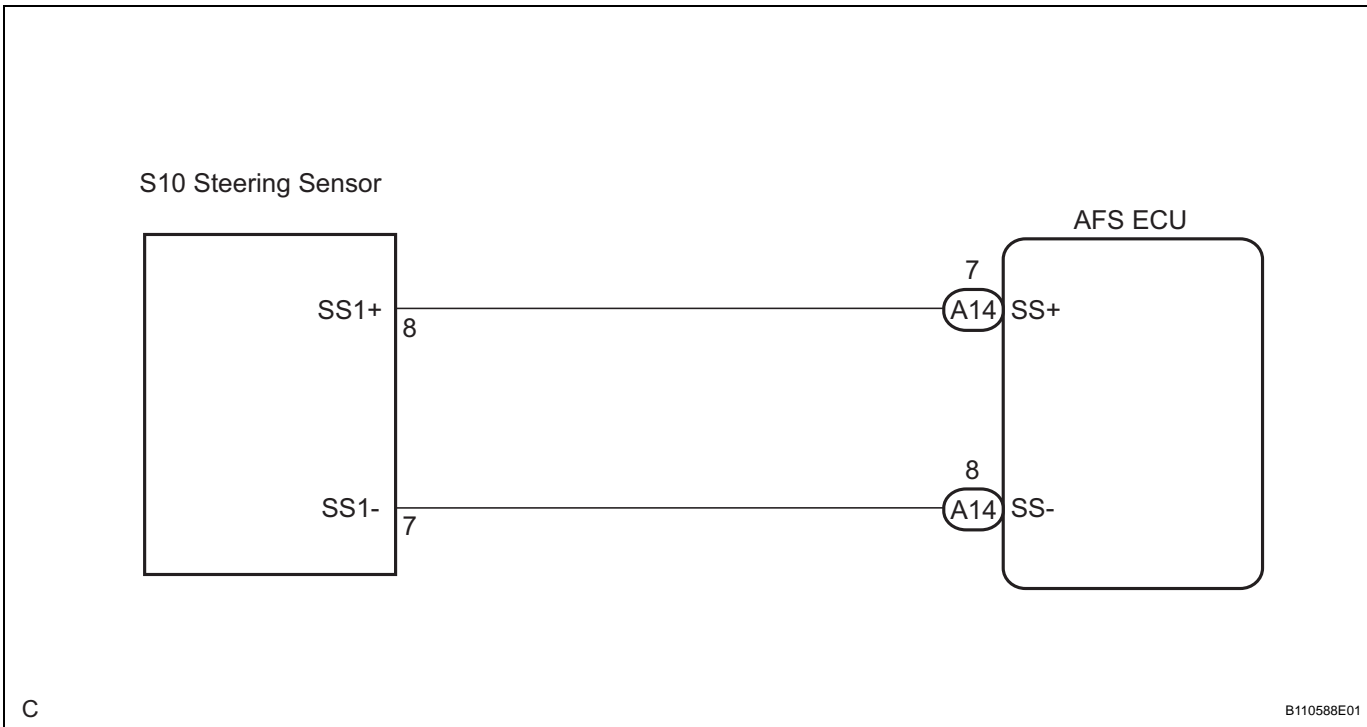
DTC	B2414	Steering Position Sensor Malfunction
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DESCRIPTION

The AFS ECU receives the signal regarding a swerve-angle from the steering sensor in the steering wheel.

DTC No.	DTC Detecting Condition	Trouble Area
B2414	<ul style="list-style-type: none"> • Malfunction of steering sensor • Open or short of steering sensor circuit 	<ul style="list-style-type: none"> • Steering sensor • Harness or connector • AFS ECU

WIRING DIAGRAM



1	CHECK DTC (ABS WITH EBD & BA & TRAC & VSC SYSTEM)
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(a) Check the ABS with EBD & BA & TRAC & VSC system (See page [BC-16](#)).

OK:

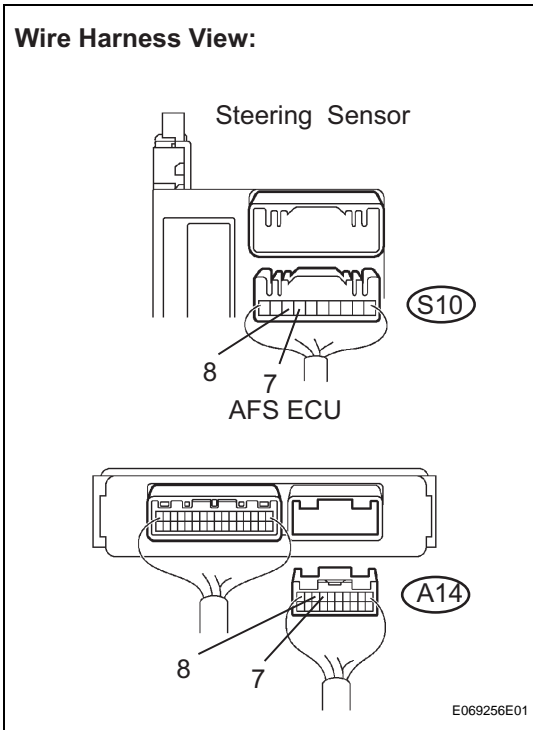
DTC is not output.

NG	GO TO FLOW CHART
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OK

2 CHECK HARNESS AND CONNECTOR (STEERING SENSOR - AFS ECU)

Wire Harness View:



- (a) Disconnect the steering sensor connector and AFS ECU connector.
- (b) Measure the resistance according to the value(s) in the table below.

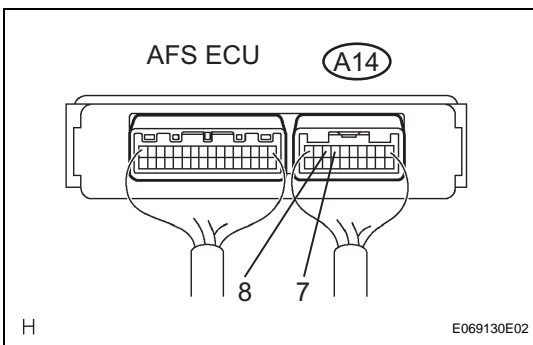
Resistance

Tester connection	Condition	Specified condition
SS1- (S10-7) - SS- (A14-8)	Always	Below 1 Ω
SS1+ (S10-8) - SS+ (A14-7)	Always	Below 1 Ω
SS- (S14-8) - Body ground	Always	10 kΩ or higher
SS+ (S14-7) - Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

3 INSPECT AFS ECU



- (a) Measure the voltage according to the value(s) in the table below.

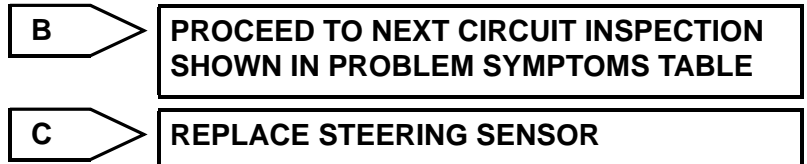
H

Voltage

Tester connection	Condition	Specified condition
SS+ (A14-7) - SS- (A14-8)	Ignition switch ON	0 to 5 V (Pulse generation)

Result

Condition	Proceed to
OK (When checking from the DTC)	A
OK (When checking from the PROBLEM SYMPTOMS TABLE)	B
NG	C



REPLACE AFS ECU