

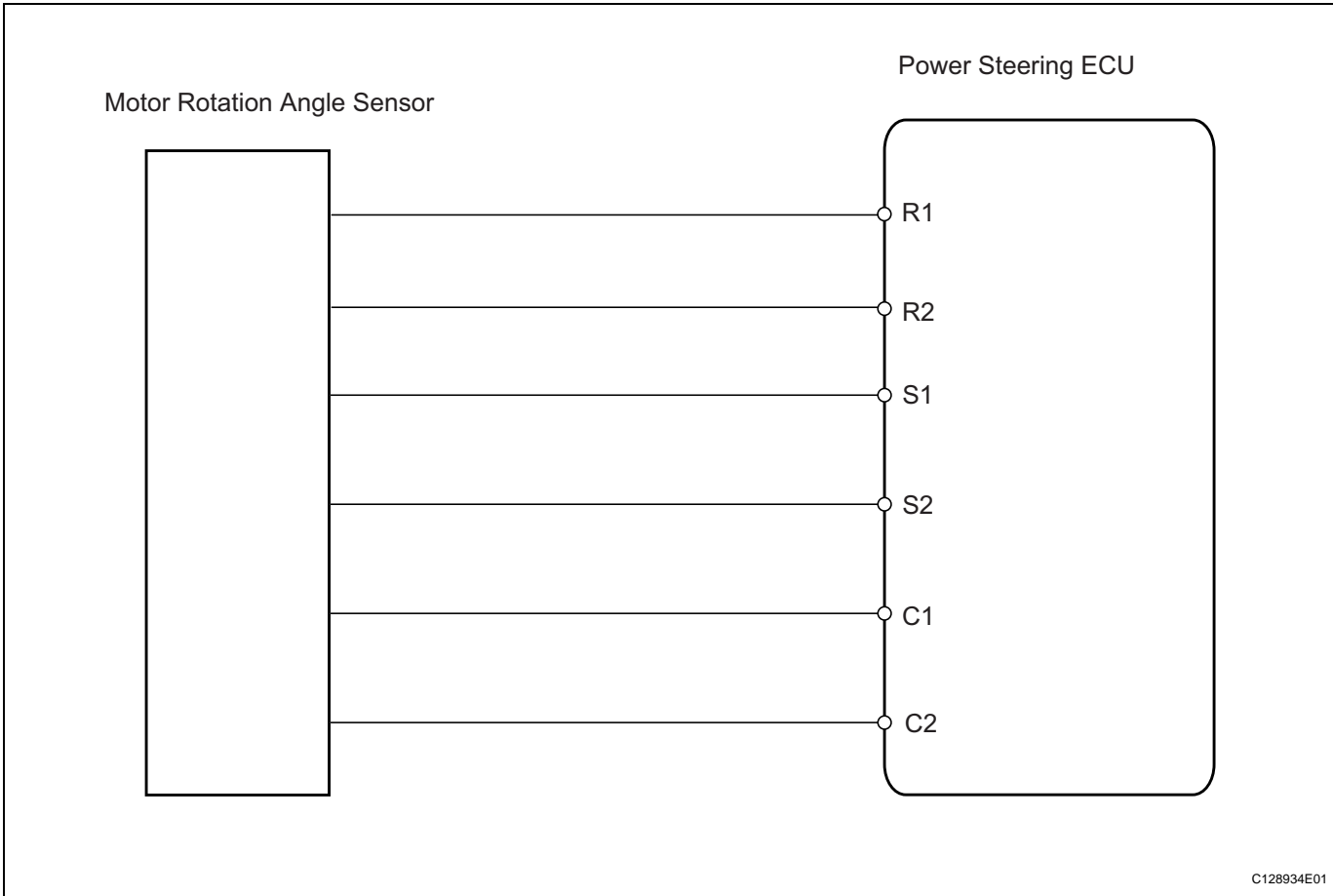
DTC	C1528/12	Motor Rotation Angle Sensor Malfunction
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DESCRIPTION

The motor rotation angle sensor detects the motor rotation angle and sends this information to the power steering ECU.

DTC No.	DTC Detection Condition	Trouble Area
C1528/12	Motor rotation angle sensor malfunction	<ul style="list-style-type: none"> Steering column assembly Power steering ECU

WIRING DIAGRAM



PS

INSPECTION PROCEDURE

1	CHECK CONNECTOR CONNECTION CONDITION
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- (a) Check the installation condition of the motor rotation angle sensor connector.

OK:

Motor rotation angle sensor connector is securely connected to the power steering ECU.

Result

Result	Proceed to
NG	A
OK	B

B → **Go to step 3**

A

2 RECONFIRM DTC

- (a) Reinstall motor rotation angle sensor connector.
- (b) Check for DTC.

OK:

DTC is not output.

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B → **END**

A

3 READ VALUE OF INTELLIGENT TESTER (MOTOR ROTATION ANGLE SENSOR)

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON and press the intelligent tester main switch ON.
- (c) Select the items "MOTOR ROTATE" in the DATA LIST and read the value displayed on the intelligent tester.

PS

Item	Item Description: Range (Display)	Inspection Condition	Reference Value
MOTOR ROTATE	Motor Rotation Angle: Min.: 0° Max.: 360°	Steering wheel is turned	During steering operation, motor rotation angle value changes from 0 to 360°

OK:

During steering operation, motor rotation angle value changes from 0 to 360°

NG → **REPLACE STEERING COLUMN ASSEMBLY**

OK

REPLACE POWER STEERING ECU