

## DIAGNOSTIC TROUBLE CODE CHART

If a trouble code is indicated while checking DTCs, inspect the circuit listed for that code in the table below, and proceed to the applicable page.

### Cruise Control System

DTC No.	Detection Item	Trouble Area	See page
P0500	Vehicle Speed Sensor Circuit Malfunction	- Combination meter assembly - Vehicle speed sensor - Vehicle speed sensor signal circuit - ECM	<a href="#">CC-18</a>
P0503	Vehicle Speed Sensor Circuit Malfunction	- Combination meter assembly - Vehicle speed sensor - Vehicle speed sensor signal circuit - ECM	<a href="#">CC-18</a>
P0571	Stop Light Switch Circuit Malfunction	- Stop light switch assembly - Stop light switch assembly circuit - ECM	<a href="#">CC-19</a>
P0607	Input Signal Circuit Malfunction	- ECM	<a href="#">CC-22</a>

<b>DTC</b>	<b>P0500</b>	<b>Vehicle Speed Sensor Circuit Malfunction</b>
<b>DTC</b>	<b>P0503</b>	<b>Vehicle Speed Sensor Circuit Malfunction</b>

**DESCRIPTION**

Refer to DTC P0500 (see page [ES-243](#)).

<b>DTC No.</b>	<b>DTC Detection Conditions</b>	<b>Trouble Areas</b>
P0500	This trouble code is output when the vehicle speed signal from the vehicle speed sensor is cut for 0.14 seconds or more while the cruise control is in operation.	<ul style="list-style-type: none"> <li>• Combination meter assembly</li> <li>• Vehicle speed sensor</li> <li>• Vehicle speed sensor signal circuit</li> <li>• ECM</li> </ul>
P0503	Momentary interruption and noise are detected when a rapid change of vehicle speed occurs while the cruise control is in operation.	<ul style="list-style-type: none"> <li>• Combination meter assembly</li> <li>• Vehicle speed sensor</li> <li>• Vehicle speed sensor signal circuit</li> <li>• ECM</li> </ul>

**WIRING DIAGRAM**

Refer to DTC P0500 (see page [ES-245](#)).

**INSPECTION PROCEDURE**

Refer to DTC P0500 (see page [ES-245](#)).

<b>DTC</b>	<b>P0571</b>	<b>Stop Light Switch Circuit Malfunction</b>
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### DESCRIPTION

The cruise control system cancels cruising when the ECM detects that the brake pedal is depressed during cruise control driving. The stop light switch assembly sends signals to the ECM according to the brake pedal conditions. When the brake pedal is released, terminal ST1- is the positive (+) battery voltage, and terminal STP voltage is below 1 V. While the brake pedal is depressed, terminal ST1- is below 1 V, and STP is positive (+) battery voltage. During braking, the ECM cancels cruise control as one of the manual cancel functions.

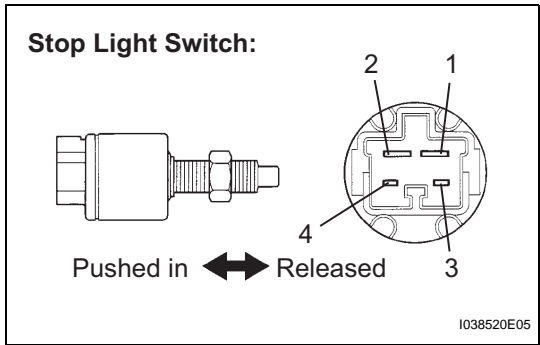
The ECM outputs this trouble code when the voltage of terminals ST1- and STP are both below 1 V for 0.5 seconds or more at the same time.

The fail-safe function operates to enable normal driving even if there is a malfunction in the stop light signal circuit.

DTC No.	DTC Detected Conditions	Trouble Areas
P0571	ECM detects a malfunction of the stop light switch circuit under both of the following conditions. <ul style="list-style-type: none"> <li>Voltage of terminal STP is below 1 V for 0.5 seconds or more.</li> <li>Voltage of terminal ST1- is below 1 V for 0.5 seconds or more.</li> </ul>	<ul style="list-style-type: none"> <li>Stop light switch assembly</li> <li>Stop light switch assembly circuit</li> <li>ECM</li> </ul>



**2 INSPECT STOP LIGHT SWITCH ASSEMBLY**



- (a) Disconnect the stop light switch assembly connector.
- (b) Measure the resistance.

**Standard resistance**

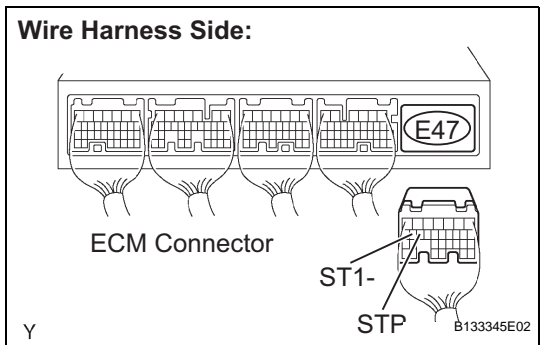
Tester Connection	Switch Condition	Stop Light Condition
1 - 2	Switch pin free (Brake pedal depressed)	Below 1Ω
3 - 4	Switch pin free (Brake pedal depressed)	10 kΩ or higher
1 - 2	Switch pin pushed in (Brake pedal released)	10 kΩ or higher
3 - 4	Switch pin pushed in (Brake pedal released)	Below 1Ω

- (c) Reconnect the stop light switch assembly connector.

**NG** → **REPLACE STOP LIGHT SWITCH ASSEMBLY**

**OK**

**3 INSPECT ECM (STP SIGNAL)**



- (a) Disconnect the E47 ECM connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage.

**Standard voltage**

Tester Connection	Brake Pedal Condition	Specified Condition
STP (E47-15) - Body ground	Depressed	11 to 14 V
STP (E47-15) - Body ground	Released	Below 1V
ST1- (E47-16) - Body ground	Depressed	Below 1V
ST1- (E47-16) - Body ground	Released	11 to 14 V

- (d) Reconnect the ECM connector.

**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR (STOP LIGHT SWITCH ASSEMBLY - ECM)**

**OK**

**REPLACE ECM**