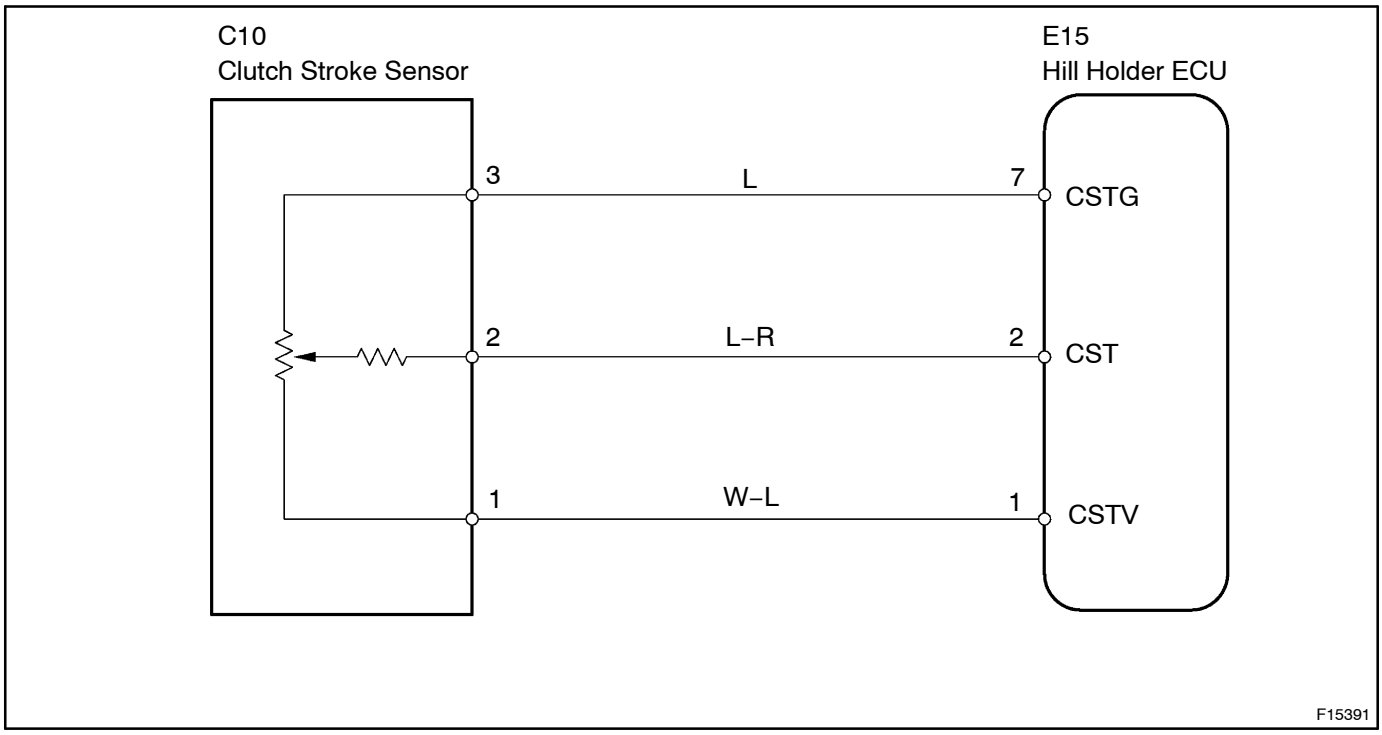
DTC	9	CLUTCH STROKE SENSOR POWER SUPPLY SYSTEM MALFUNCTION (CLUTCH STROKE SENSOR)

CIRCUIT DESCRIPTION

The clutch stroke sensor detects the depressed volume of the clutch pedal and sends the signal to the hill holder ECU.

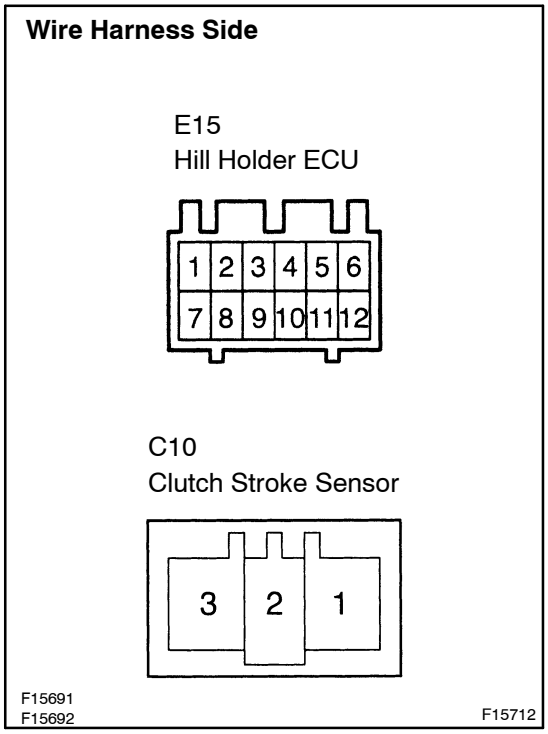
DTC No.	DTC Detection Condition	Trouble Area
9	5 V power source voltage for sensor is more than 7.5 V or less than 4.0 V for 2 sec. or more.	• Clutch stroke sensor • Hill holder ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK WIRE HARNESS (HILL HOLDER ECU ⇔ CLUTCH STROKE SENSOR)



(a) Disconnect the E15 ECU connector.
(b) Disconnect the C10 sensor connector.
(c) Check the continuity between the wire harness side connectors.

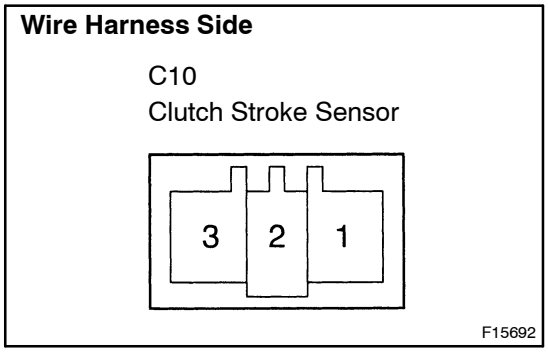
Standard:

Symbols (Terminal No.)	Specified Condition
CSTV (E15–1) ⇔ – (C10–3)	Continuity
CST (E15–2) ⇔ – (C10–2)	Continuity
CSTG (E15–7) ⇔ – (C10–1)	Continuity

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

OK

2	CHECK CLUTCH STROKE SENSOR (VOLTAGE)



(a) Disconnect the C10 sensor connector.
(b) Check the voltage of the wire harness side connector.

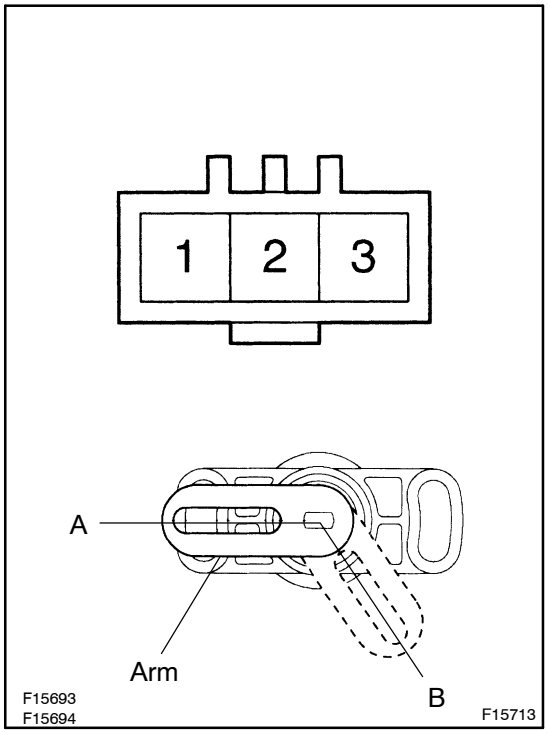
Standard:

Terminal No.	Condition	Specified Condition
C10–1 ⇔ C10–3	Ignition switch ON	4 – 6 V

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

OK

3 CHECK CLUTCH STROKE SENSOR (CONTINUITY)



(a) Check the clutch stroke sensor continuity.

Standard:

Terminal No.	Condition	Specified Condition
1 ⇔ 3	Constant	1.6 – 2.4 kΩ
2 ⇔ 3	Position A	0.32 – 0.48 kΩ
2 ⇔ 3	Position B	1.92 – 2.88 kΩ
2 ⇔ 3	Arm is moved into position B from A	Charging

NG → **REPLACE CLUTCH STROKE SENSOR**

OK

CHECK AND REPLACE HILL HOLDER ECU