

Tilt Position Source Circuit

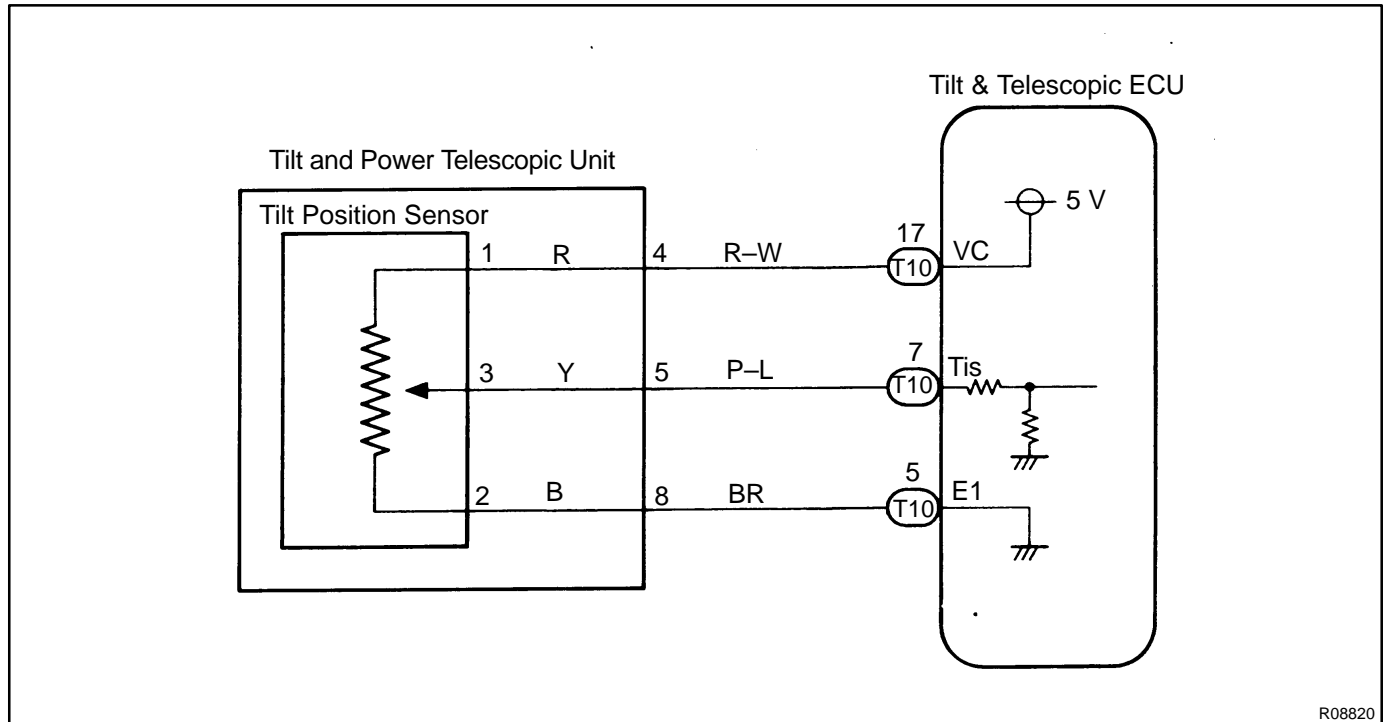
CIRCUIT DESCRIPTION

The tilt position is sent to the ECU as a voltage signal from the position sensor.

A constant 5 V is supplied to terminal 1 of sensor.

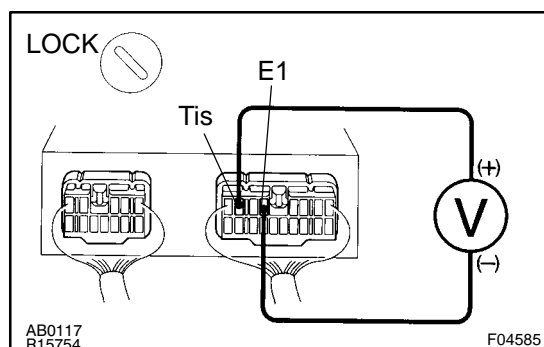
The voltage at terminal 3 varies with position and is input to the ECU.

WIRING DIAGRAM



R08820

INSPECTION PROCEDURE

1 Check voltage between terminals TiS and E₁ of ECU connector.**PREPARATION:**

- (a) Remove ECU with connectors still connected.
- (b) Remove tilt sensor with connector still connected.

CHECK:

Measure voltage between terminals TiS and E₁ of ECU connector, while turning tilt sensor lever slowly by hand from raised side to lowered side.

OK:**Voltage**

Fully raised: Below 1 V

Fully lowered: 4 – 6 V

HINT:

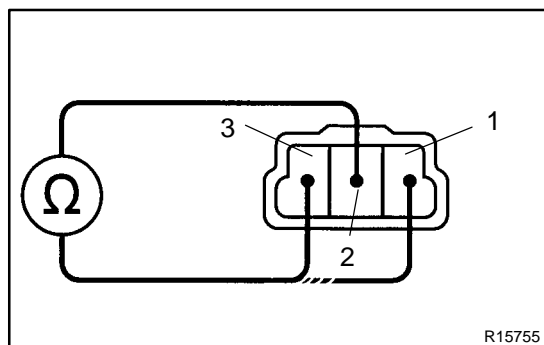
As the lever is turned, the voltage should increase gradually without interruption.

OK

Proceed to next circuit inspection shown on matrix chart (See page [DI-498](#)).

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2 Check tilt position sensor.



PREPARATION:

Disconnect tilt sensor connector.

CHECK:

Measure resistance between terminals 1 and 2 of tilt sensor connector.

OK:

Resistance: 4 – 6 kΩ

CHECK:

Measure voltage between terminals 3 and 2 of tilt sensor connector, while turning tilt sensor lever slowly by hand from raised side to lowered side.

OK:

Resistance

Fully raised: Below 100 Ω

Fully lowered: 4 – 6 kΩ

HINT:

As the lever is turned, the resistance should increase gradually without interruption.

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Replace tilt position sensor.

OK

**3 Check harness and connectors between ECU and tilt position sensor
(See page [IN-29](#)).**

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Repair or replace harness or connector.

OK

Check and replace ECU.