

Telescopic Position Sensor Circuit

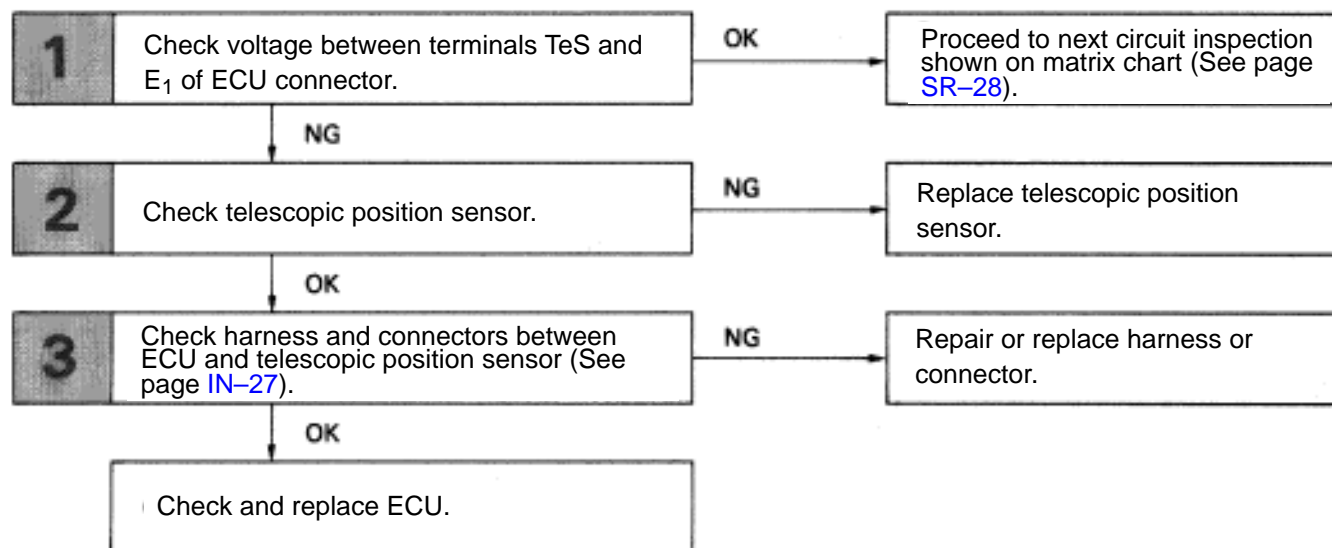
— CIRCUIT DESCRIPTION —

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

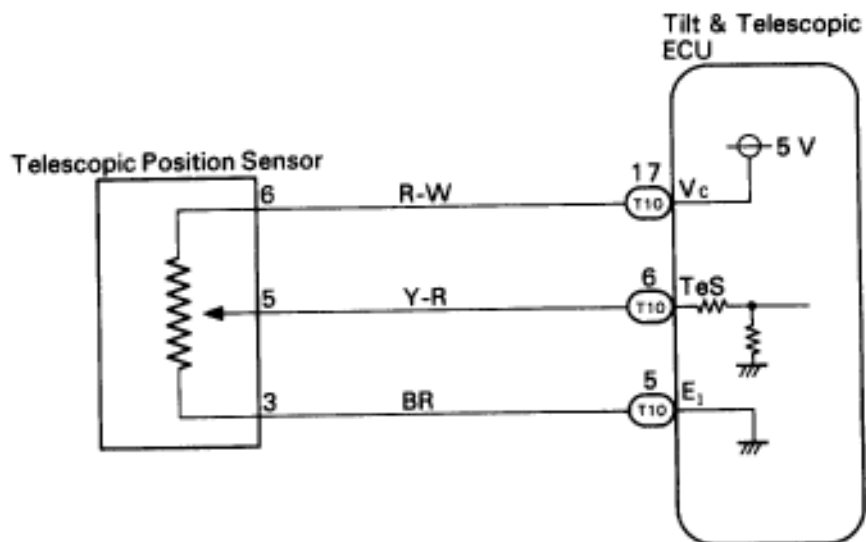
A constant 5 V is supplied to terminal 6 of the sensor.

The voltage at terminal 5 varies with position and is input to the ECU.

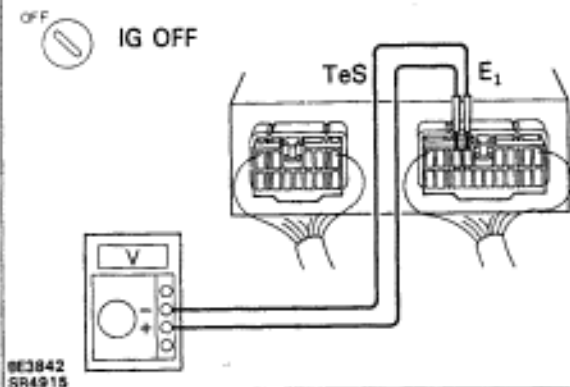
— DIAGNOSTIC CHART —



WIRING DIAGRAM



INSPECTION PROCEDURE

1**Check voltage between terminals TeS and E₁ of ECU connector.****Power Tilt & Power Telescopic****P**

1. Remove ECU with connectors still connected.
2. Remove telescopic sensor with connector still connected.

C

Measure voltage between terminals TeS and E₁ of ECU connector while turning telescopic sensor lever slowly by hand from forward side to back side.

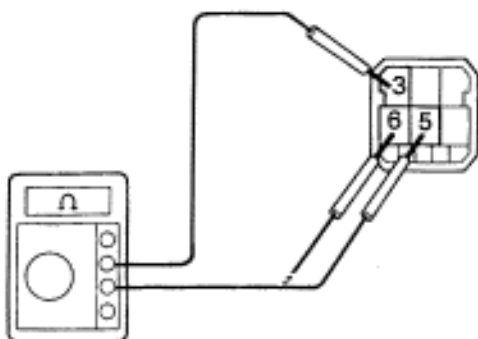
Voltage:**OK**

Fully forward: 0 — 1 V ~ Fully back: 4 — 5 V

In addition as the lever is turned, the voltage should increase gradually without interruption.

NG**OK**

Proceed to next circuit inspection shown on matrix chart (See page [SR-28](#)).

2**Check telescopic position sensor.****P**

Disconnect telescopic sensor connector.

C

Measure resistance between terminals 3 and 6 of telescopic sensor connector.

OK

Resistance: Approx 5 kΩ

C

Measure resistance between terminals 3 and 5 of telescopic sensor connector while turning telescopic lever slowly by hand from forward side to back side.

OK**Resistance:**

Fully forward: 0 — 1 kΩ ~ Fully back: 4 — 5 kΩ

In addition, as the lever is turned, the voltage should increase gradually without interruption.

OK**NG**

Replace telescopic position sensor.

3**Check harness and connector between tilt & telescopic position sensor (See page [IN-27](#)).****OK****NG**

Repair or replace harness or connector.

Check and replace ECU.