

## Telescopic Position Source Circuit

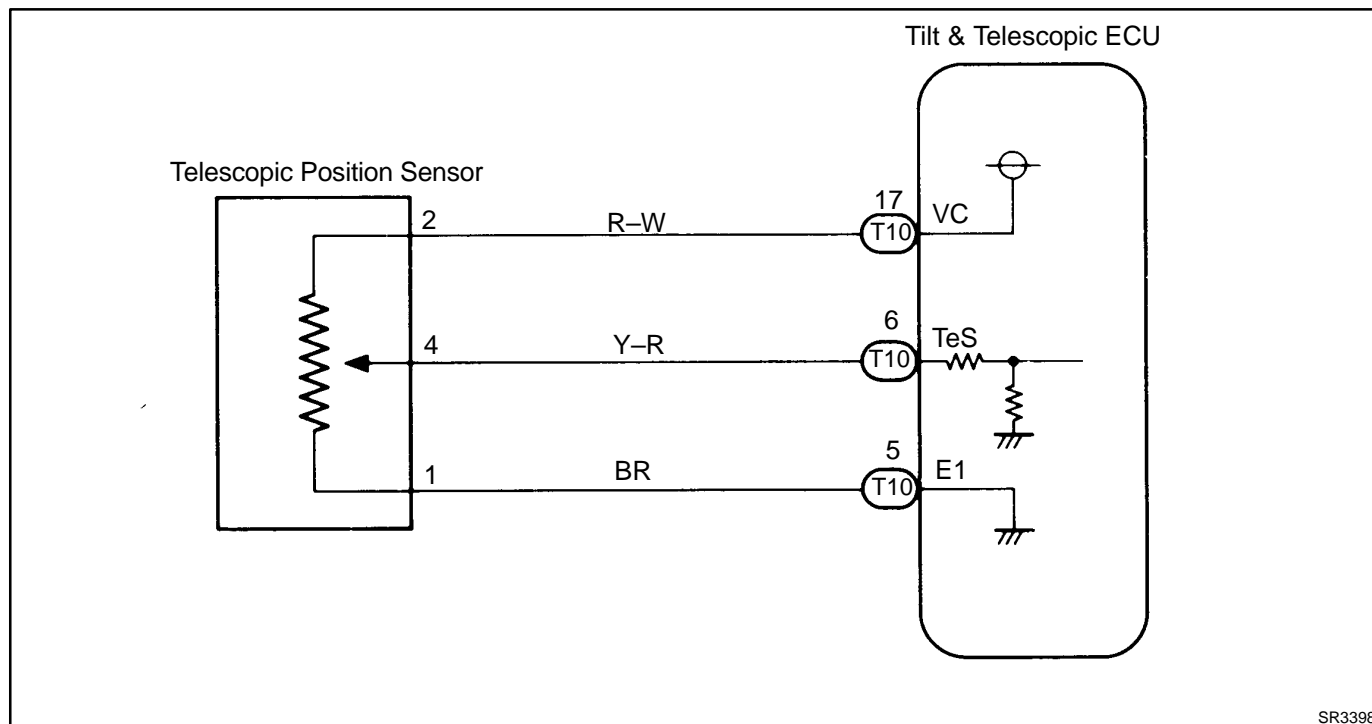
### CIRCUIT DESCRIPTION

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.

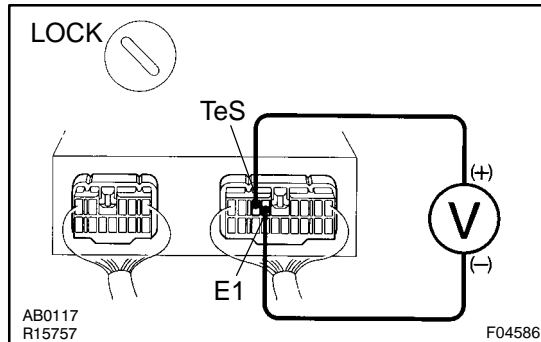
### WIRING DIAGRAM



SR3398

## INSPECTION PROCEDURE

**1 Check voltage between terminals TeS and E<sub>1</sub> of ECU connector.**



### **PREPARATION:**

- Remove ECU with connectors still connected.
- Remove telescopic sensor with connectors still connected.

### **CHECK:**

Measure voltage between terminals TeS and E<sub>1</sub> of ECU connector while turning telescopic sensor lever slowly by hand from Contracted side to Extended side.

### **OK:**

**Voltage**

**Fully forward: 0 – 1 V**

**Fully back: 4 – 5 V**

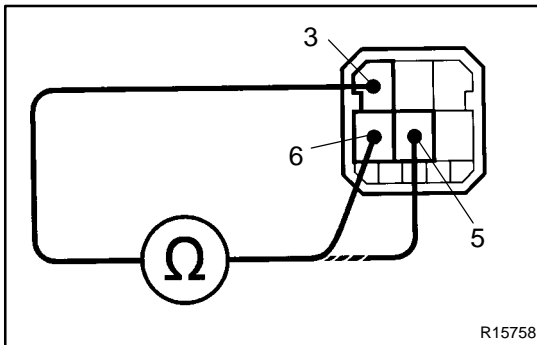
### **HINT:**

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](#)).**

**NG**

**2 Check telescopic position sensor.****PREPARATION:**

Disconnect telescopic sensor connector.

**CHECK:**

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

**OK:**

**Resistance: Approx. 5 kΩ**

**CHECK:**

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

**OK:**

**Resistance**

**Fully forward: 0 – 1 kΩ**

**Fully back: 4 – 5 kΩ**

**HINT:**

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

**NG**

**Replace telescopic position sensor.**

**OK****3 Check harness and connector between ECU & telescopic position sensor (See page IN-29).****NG**

**Repair or replace harness or connector.**

**OK**

**Check and replace ECU.**