

Tilt Position Sensor Circuit

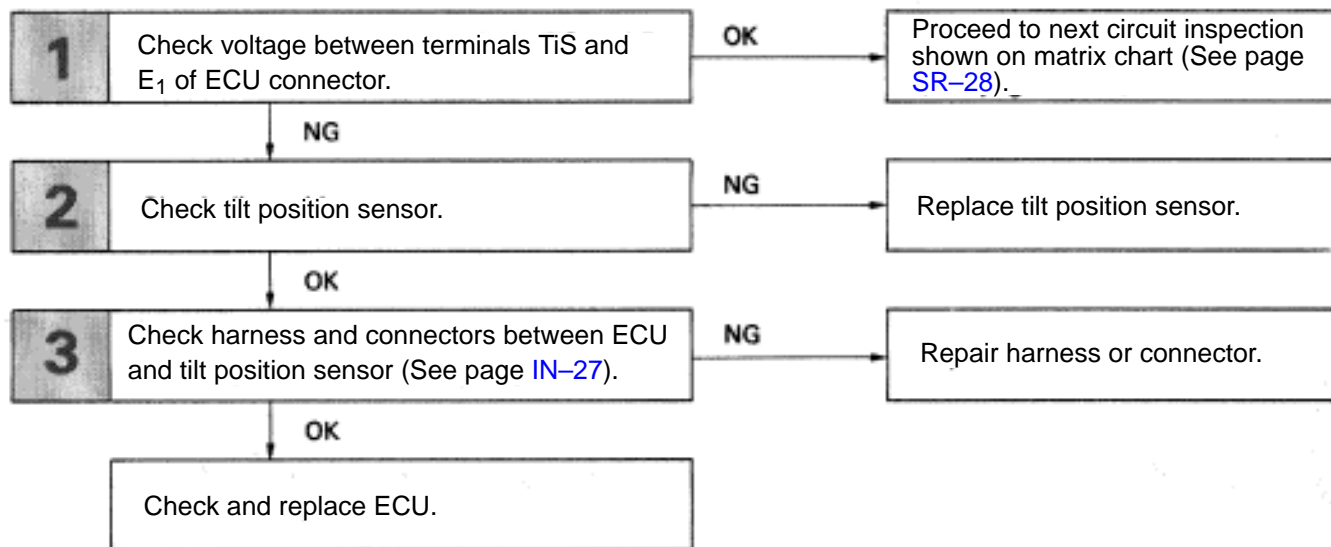
— CIRCUIT DESCRIPTION —

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

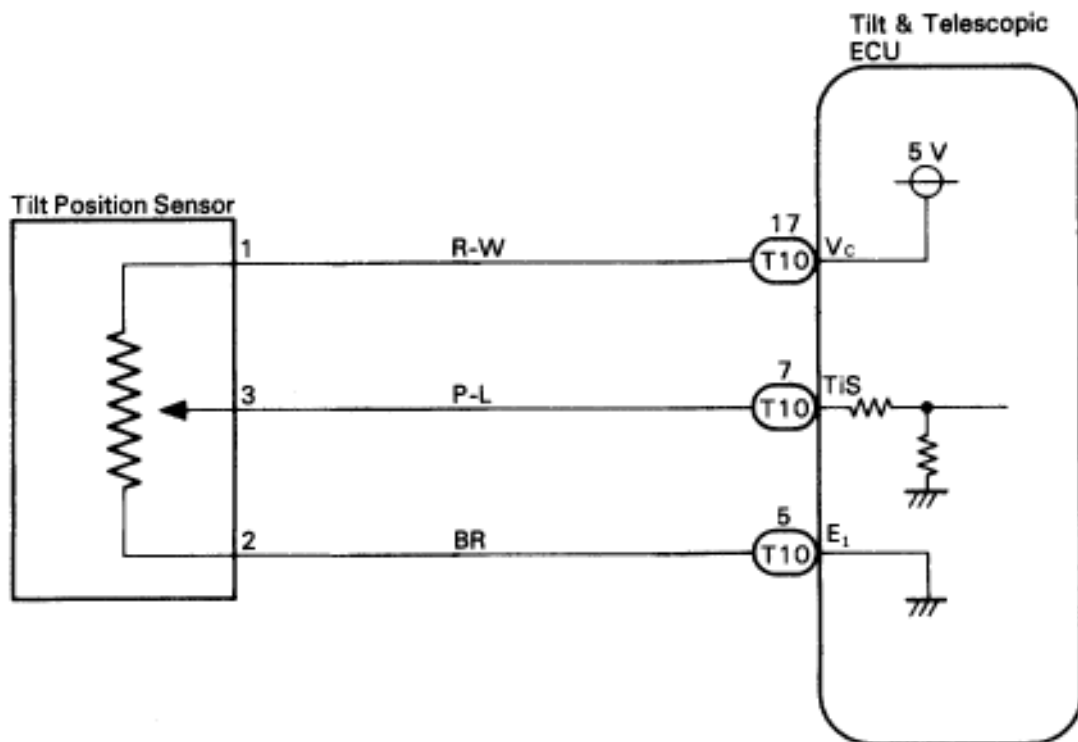
A constant 5 V is supplied to terminal 1 of sensor.

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

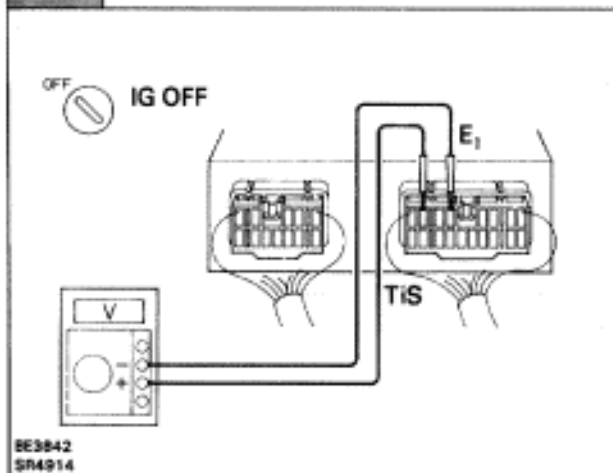
— DIAGNOSTIC CHART —



WIRING DIAGRAM



INSPECTION PROCEDURE

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

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

C

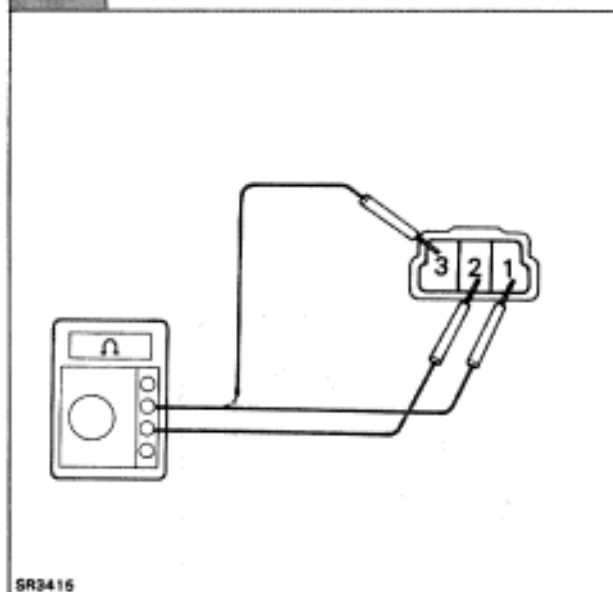
Measure voltage between terminals TiS and E₁ of ECU connector, while turning tilt sensor lever slowly by hand from raised side to lowered side.

OK**Voltage:****Fully raised: Below 1 V ~ Fully lowered:****4 — 6 V**

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 tilt position sensor.****P**

Disconnect tilt sensor connector.

C

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

OK**Resistance: 4 — 6 kΩ****C**

Measure resistance 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**

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

OK**NG**

Replace tilt position sensor.

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

Repair harness or connector.

Check and replace ECU.