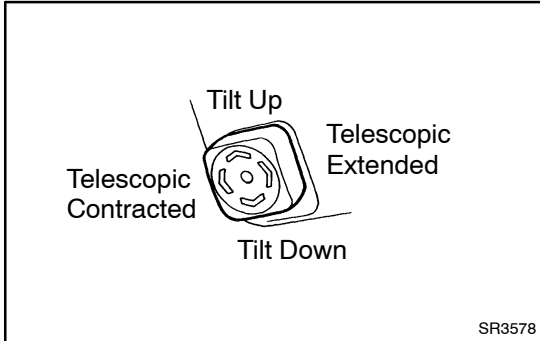


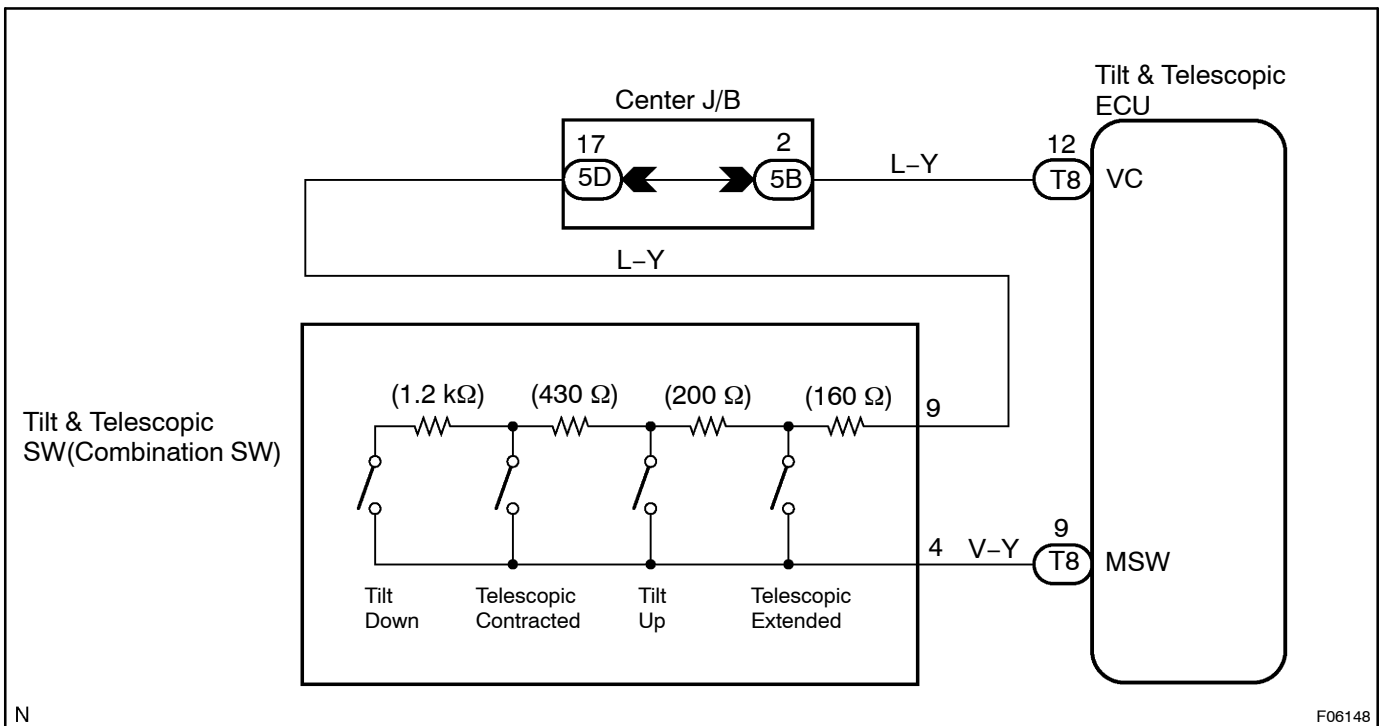
# Tilt and Telescopic Manual Switch Circuit

## CIRCUIT DESCRIPTION



The different voltage signals which are occurred by operating the manual switch are sent to the tilt and telescopic ECU.

## WIRING DIAGRAM

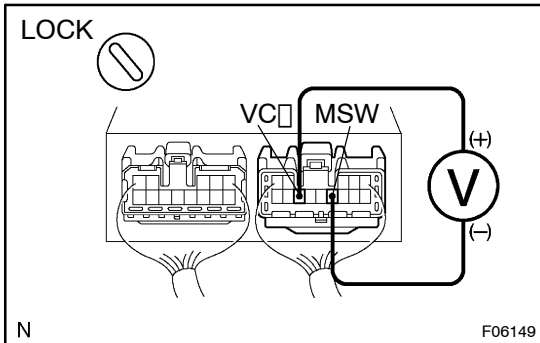


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## INSPECTION PROCEDURE

### 1 Check voltage between terminals VC and MSW of ECU connector.



**PREPARATION:**

Remove ECU with connectors still connected.

**CHECK:**

Measure the voltage between terminals VC and MSW of ECU connector when manual switch is operated.

**OK:**

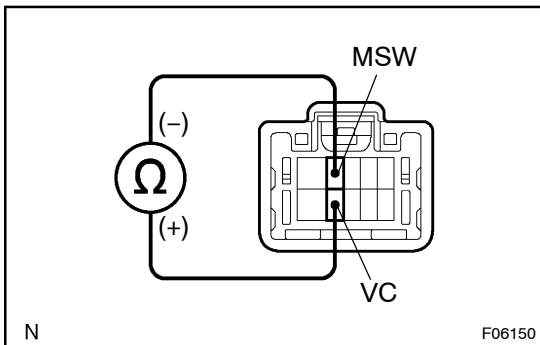
Switch position	Voltage (V)
Telescopic extended	2.05 - 2.75
Tilt up	1.3 - 1.7
Telescopic contracted	0.65 - 0.95
Tilt down	0.3 - 0.5

OK

Proceed to next circuit inspection shown on the Problem symptoms table (See page DI-203).

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### 2 Check manual switch.



**PREPARATION:**

Disconnect combination switch connector.

**CHECK:**

Measure the resistance between terminals VC and MSW of combination switch connector when manual switch is operated.

**OK:**

Switch position	Resistance (Ω)
Telescopic extended	Approx. 160
Tilt up	Approx. 360
Telescopic contracted	Approx. 790
Tilt down	Approx. 1990

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Replace combination switch.

OK

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Check harness and connector between ECU and tilt & telescopic manual switch  
(See page IN-30).

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Repair or replace harness or connector.

OK

Check and replace ECU.