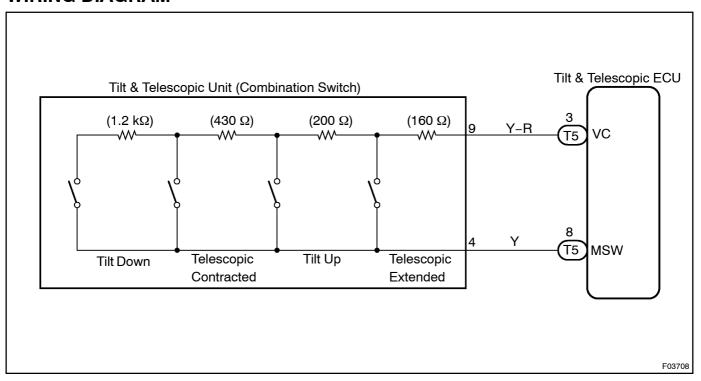
DI23O-02

# **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.

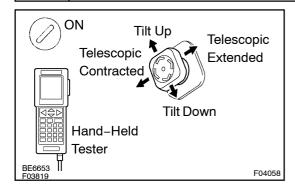
# WIRING DIAGRAM



# **INSPECTION PROCEDURE**

1

Check Tilt and Telescopic Manual switch Voltage.

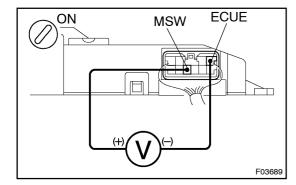


# When using hand-held tester PREPARATION:

- (a) Connect the hand-held tester to the DLC3
- (b) Turn ignition switch ON and push the hand-held tester main switch ON.
- (c) Select DATALIST mode on the hand-held tester.

#### **CHECK:**

Read the voltages on the tester screen when operating the manual switch.



# When hot using hand-held tester

#### **PREPARATION:**

Rem@ve\_Tilt\_and\_Telescopic\_ECU\_with\_connector\_still\_connected.

#### **CHECK:**

Measure[voltage[between[terminals[MSW[and[ECUE[bf[ECU connector[when[operating[the[manual[switch.

#### OK:

Manual[switch[position	Standard <u></u> Joltage
Neutral position	0.00[ <del>]</del> [ <b>0</b> .20[ <b>V</b>
Tilt[UP	1.30[ <del>]</del> 1.70[ <b>]</b>
Tilt[DOWN	0.30 <u>[</u> -[0.50[V
Telescopic[Contracted	0.65[ <del>]</del> -[ <b>0</b> .95[ <b>]</b> /
Telescopic[Extended	2.05[ <u>]</u> [ <u>2</u> .75[ <b>V</b>

# **RESULT:**

Α	Switch[voltages[in[all[directions[are[within[the[standard.
В	Switch[yoltage[]n[a[certain[direction[]s[out[of[]he[standard.
С	Switch[yoltages[]n[all[directions[are[out[of[]the[standard.

A \

Proceed to next circuit inspection shown on the Problem[Symptom[Table.[See[page[DI-359]

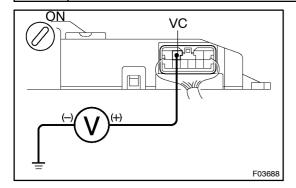
В

Replace the manual switch.



2

Check voltage between terminal VC of ECU connector and body ground.



#### PREPARATION:

Remove ECU with connectors still connected.

#### **CHECK:**

Measure voltage between terminal VC of ECU and body ground.

# <u>OK:</u>

Voltage: 4.5 ~ 5.5 V

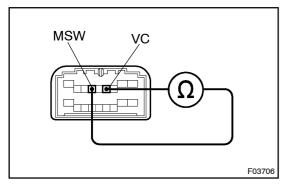


Go to step 4



3∏

# Check[Tilt[and|Telescopic[Manual[switch



#### **PREPARATION:**

Disconnect@combination@switch@connector.

#### **CHECK:**

#### OK:

Switch⊡position	Resistance
Tilt[UP	360[[2
Tilt[DOWN	1,990[[2
Telescopic[Contracted	790[[2
Telescopic[Extended	160₫2

NG□

Replace[the[manual[switch.

OK

**4**[]

 $\label{lem:convex} Check \cite{Cullings} and \cite{Cullings} connector \cite{Cullings} between \cite{Cullings} in the connector \cite{Cullings} between \cite{Cullings} between \cite{Cullings} in the connector \cite{Cullings} between \cite{Cullings} between \cite{Cullings} in the connector \cite{Cullings} between \cite{Cullings} between$ 

NG

Repair or replace harness or connector.

OK

Proceed to next circuit inspection shown on the Problem Symptom Table. (See page DI-359)