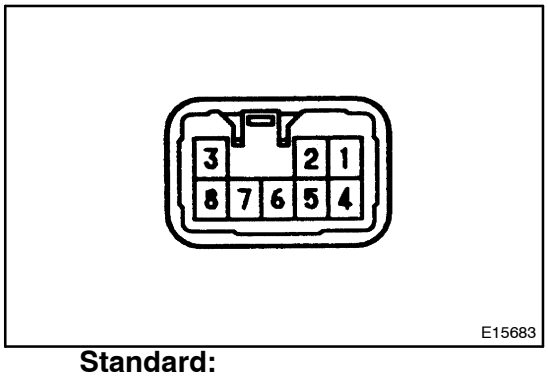
650ND–01

ON–VEHICLE INSPECTION



1. INSPECT TURN SIGNAL FLASHER CIRCUIT

(a) Measure voltage between terminals as shown in the chart below.

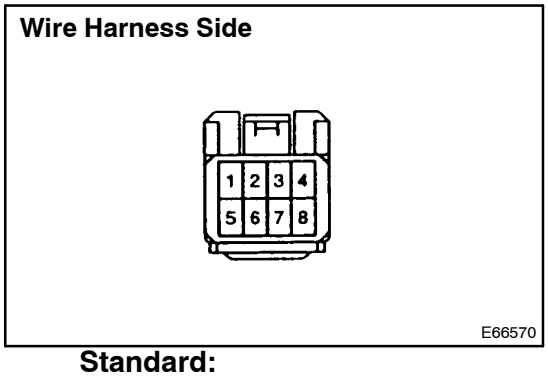
Standard:

Tester connection	Condition	Specified condition
1 – body ground	Turn ignition switch ON	Battery positive voltage
1 – body ground	Turn ignition switch OFF	No voltage
4 – body ground	Always	Battery positive voltage
7 – body ground	Always	Continuity

(b) Connect the connector to turn the signal flasher and the ignition switch to ON, and inspect the wire harness side connector from the back side as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
2 – body ground	Hazard switch OFF → ON	0V → 10 – 14 V (60 to 120 time per minutes)
2 – body ground	Turn signal switch (right turn) OFF → ON	0V → 10 – 14 V (60 to 120 time per minutes)
3 – body ground	Hazard switch OFF → ON	0V → 10 – 14 V (60 to 120 time per minutes)
3 – body ground	Turn signal switch (left turn) OFF → ON	0V → 10 – 14 V (60 to 120 time per minutes)
5 – body ground	Turn signal switch (left turn) OFF → ON	10 – 14 V → 0 V
6 – body ground	Turn signal switch (right turn) OFF → ON	10 – 14 V → 0 V
8 – body ground	Hazard switch OFF → ON	10 – 14 V → 0 V



2. INSPECT REAR FOG LAMP SWITCH CIRCUIT

(a) Disconnect the connector from the rear fog lamp switch.

(b) Measure voltage between terminal of the fog lamp switch and body ground on the wire harness side as shown in the chart below.

Standard:

Tester connection (Symbol)	Condition	Specified condition
3 (ILL+) – body ground	Turn headlight dimmer switch OFF → TAIL or HEAD	0 V → 10–14 V
4 (B) – body ground	Always	10–14 V

(c) Check that there is continuity between terminals at each switch position as shown in the chart below.

Standard:

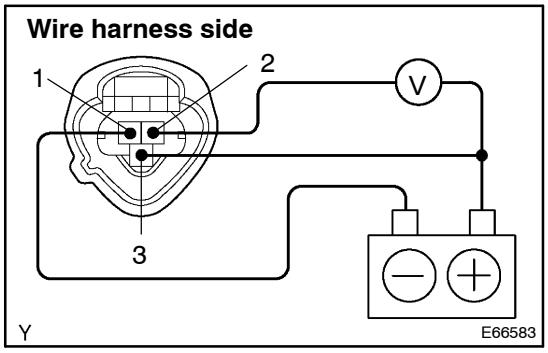
Tester connection (Symbol)	Condition	Specified condition
1 (E) – body ground	Always	Continuity
6 (LH) – body ground	Turn headlight dimmer switch OFF → HEAD	No continuity → continuity
7 (FS) – body ground	Turn front fog light switch OFF → ON	No continuity → continuity
8 (L) – body ground	Always	Continuity

(d) Connect the connector of the rear fog light switch.

(e) Measure voltage between terminal of the fog light switch and body ground as shown in the chart below.

Standard:

Tester connection (Symbol)	Condition	Specified condition
8 (L) – body ground	Turn headlight dimmer switch TAIL, front fog light switch ON and rear fog light switch ON → other	10–14 V → 0 V
8 (L) – body ground	Turn headlight dimmer switch HEAD and rear fog light switch ON → other	10–14 V → 0 V



3. INSPECT HEADLAMP ASSEMBLY (HEADLIGHT BEAM LEVEL CONTROL ACTUATOR OPERATION)

(a) Disconnect the connector from the headlamp assy.

(b) Measure voltage between terminal 1of the headlight beam level control actuator and body ground on the wire harness side as shown in the chart below.

Standard:

Switch position	Resistance (Ω)
0	1.4 – 1.6
1	1.6 – 1.8
2	1.8 – 2.0
3	2.0 – 2.3
4	2.4 – 2.7
5	2.8 – 3.2