DIBCB–01

3. Display cover does not open (Night View Indicator comes on for a moment but immediately goes off)

CIRCUIT DESCRIPTION

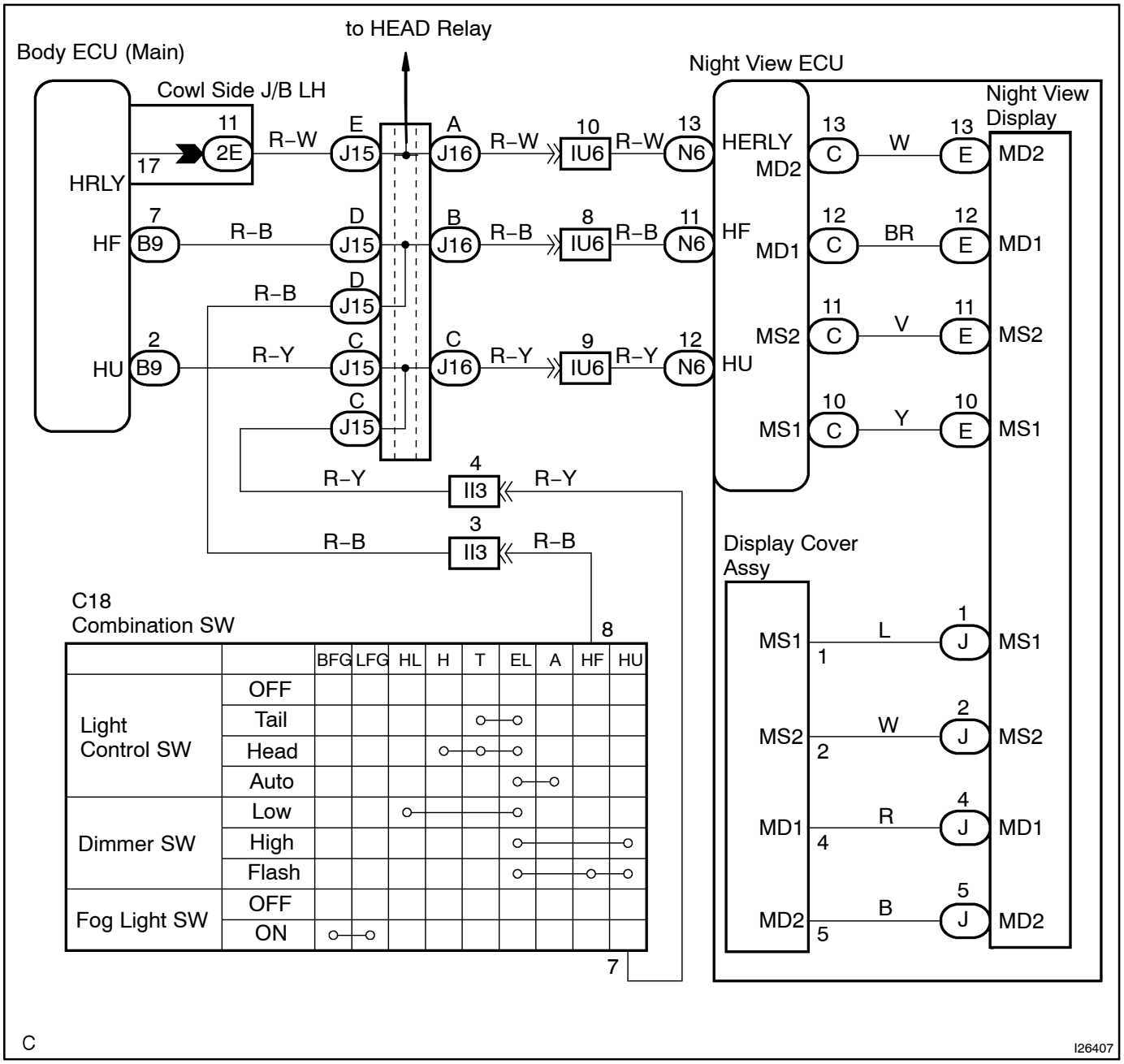
The Headlight System and the Display Cover Limit Switches need to operate normally for the Night View System to function.

The Display Cover assembly of the Night View Display has a limit switch built–in, which detects its open–close condition.

NOTICE:

Do not apply grease to the sliding parts of the Display Cover.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check the headlight function.**

PREPARATION:

Turn the headlight ON.

CHECK:

Verify all headlight functions are normal.

OK:

Headlight function is correct.

NG → **Go to headlight and taillight system (See page BE–2).**

OK

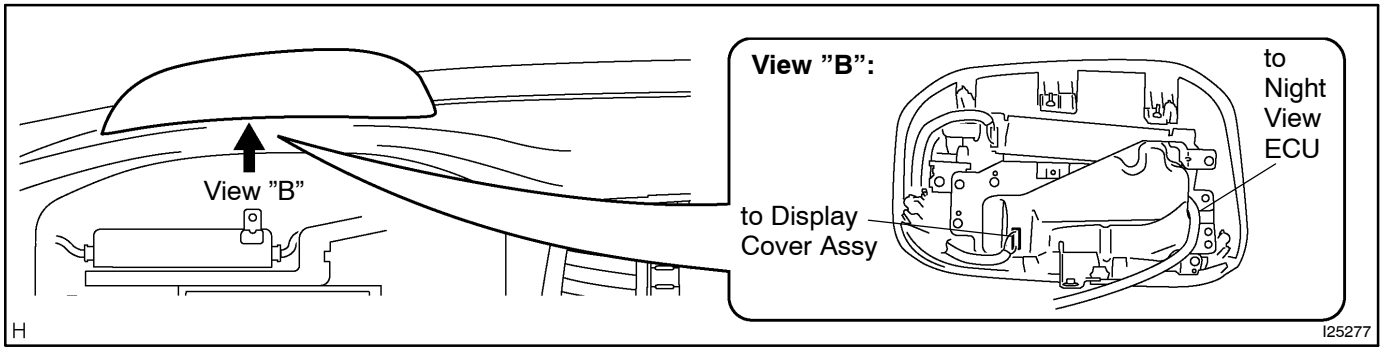
2	**Check voltage between terminals MS1 (close limit signal of Display Cover), MS2 (open limit signal of Display Cover) of Night View Display and body ground.**

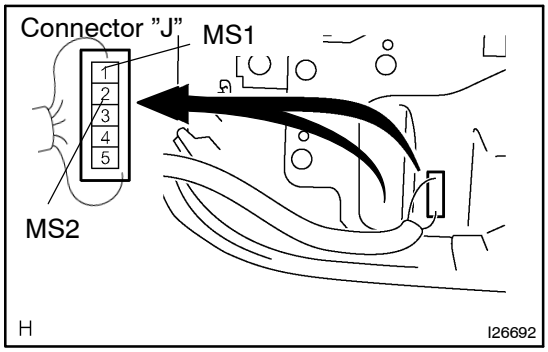
PREPARATION:

(a) Remove the combination meter.

(b) Turn the ignition switch ON.

CHECK:





Measure voltage between terminals MS1, MS2 of the Night View Display connector "J" and body ground.

(Terminals of ECU: See page DI–1257)

OK:

Voltage: Below 1 V (both limit signal ON)

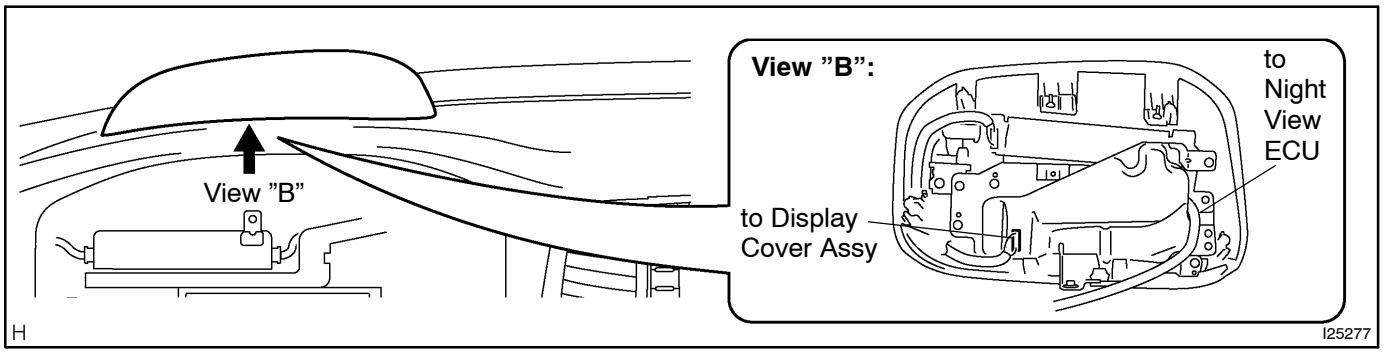
NG	**Go to step 3.**

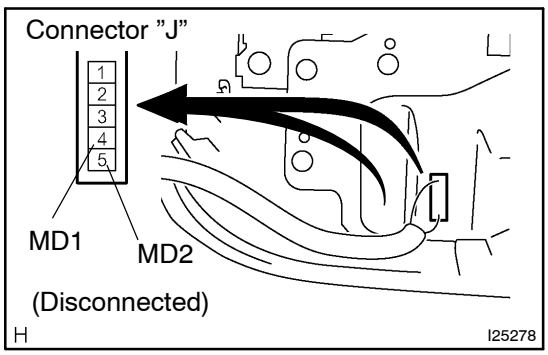
OK

Replace Display Cover assy.

3	**Check resistance between terminals MD1 (power source of Display Cover motor) and MD2 (power source of Display Cover motor) of Night View Display.**

PREPARATION:
Disconnect connector "J".
CHECK:





Measure resistance between terminals MD1 and MD2 of the Night View Display connector "J".
(Terminals of ECU: See page DI–1257)
OK:

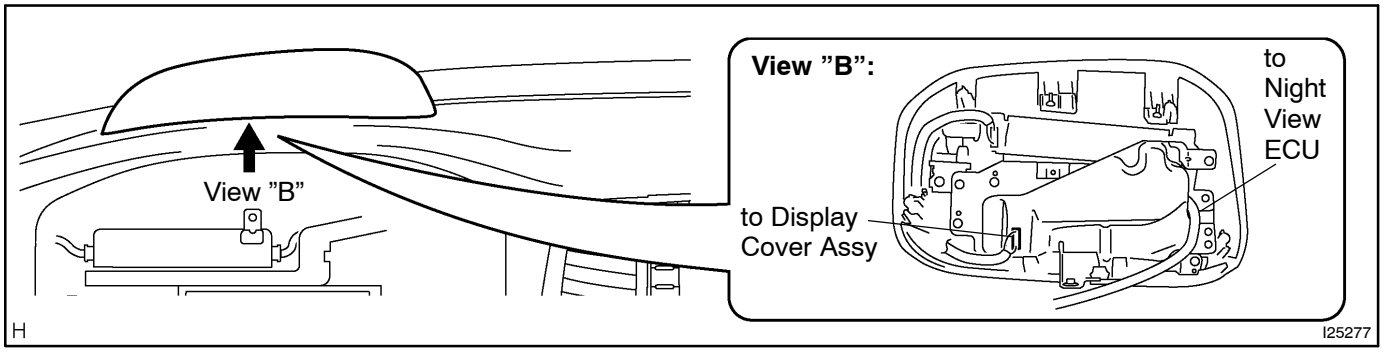
Resistance: 20 to 60 Ω

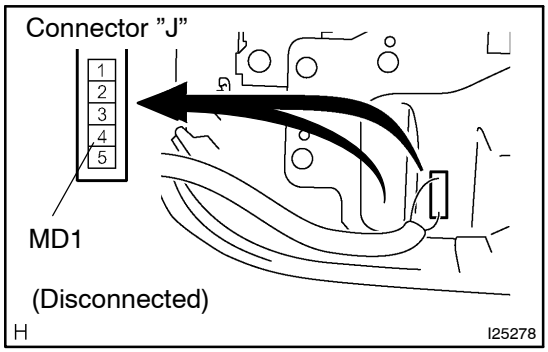
NG	**Replace Display Cover assy.**

OK

4	**Check resistance between terminal MD1 (power source of Display Cover motor) of Night View Display and body ground.**

CHECK:





Measure resistance between terminal MD1 of the Night View Display connector ”J” and body ground.
(Terminals of ECU: See page DI–1257)

OK:

Resistance: More than 10 kΩ

NG → **Replace Display Cover assy.**

OK

5	**Check voltage between terminal MD1 (power source of Display Cover motor) of Night View Display and body ground.**

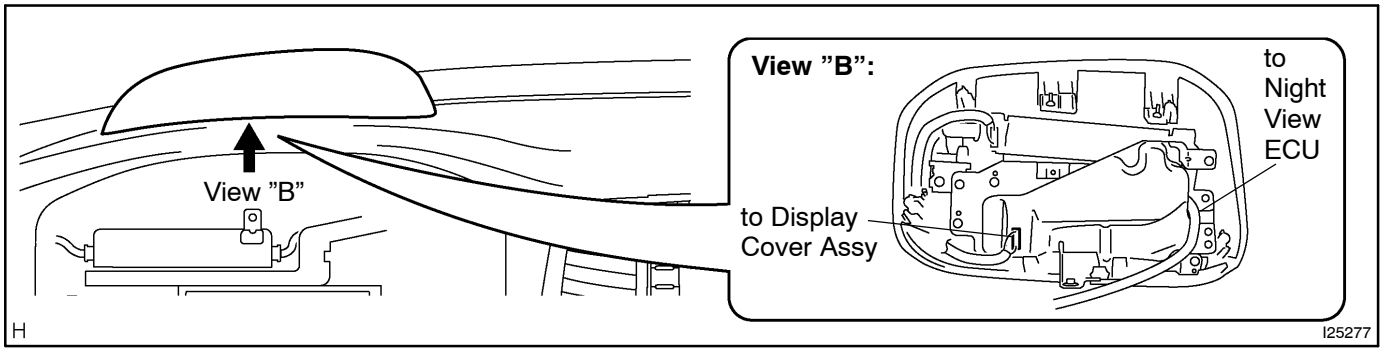
PREPARATION:

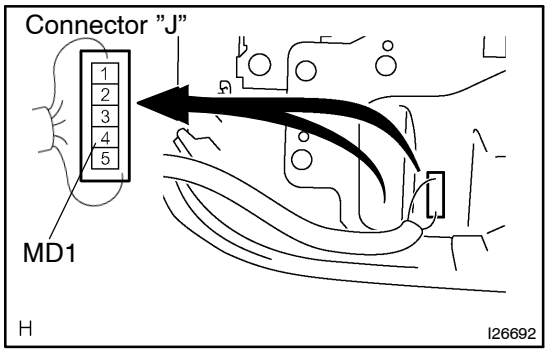
(a) Reconnect connector ”J”.

(b) Turn the ignition switch ON.

(c) Switch to Inspection Mode (See page DI–1253).

CHECK:





Measure voltage between terminal MD1 of the Night View Display Display connector ”J” and body ground.
(Terminals of ECU: See page DI–1257)

OK:

Voltage: Above 9 V

NG	**Go to step 6.**

OK

Replace Display Cover assy.

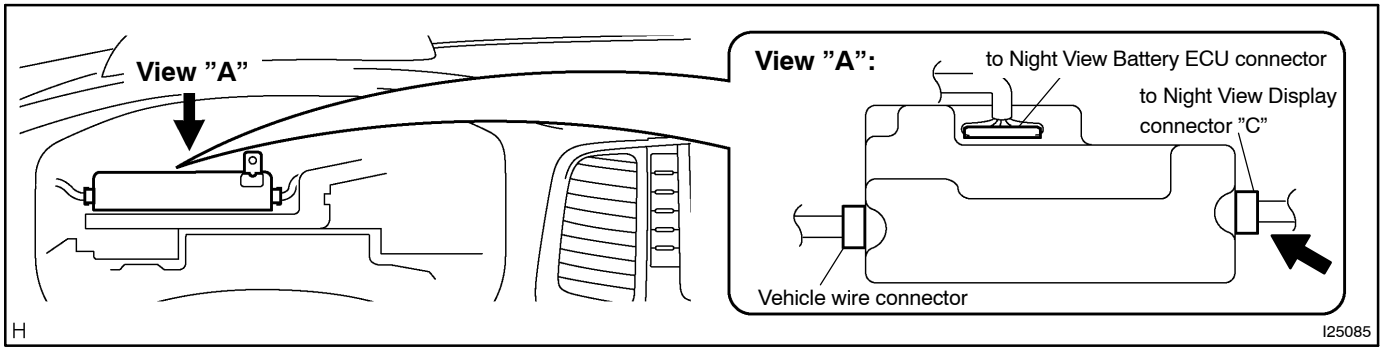
6	**Check voltage between terminal MD1 (power source of Display Cover motor) of Night View ECU and body ground.**

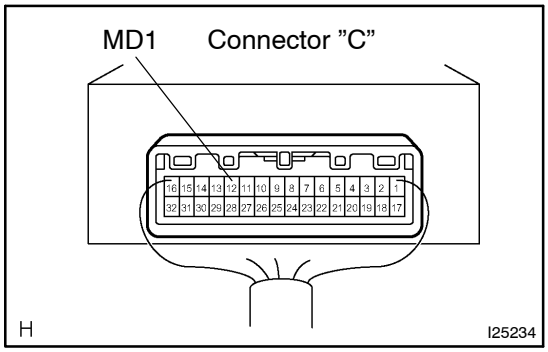
PREPARATION:

(a) Ignition switch ON.

(b) Inspection Mode ON (See page DI–1253).

CHECK:





Measure voltage between terminal MD1 of the Night View ECU connector ”C” and body ground.

(Terminals of ECU: See page DI–1257)

OK:

Voltage: Above 9 V

NG	**Go to step 7.**

OK

Replace Night View Display.

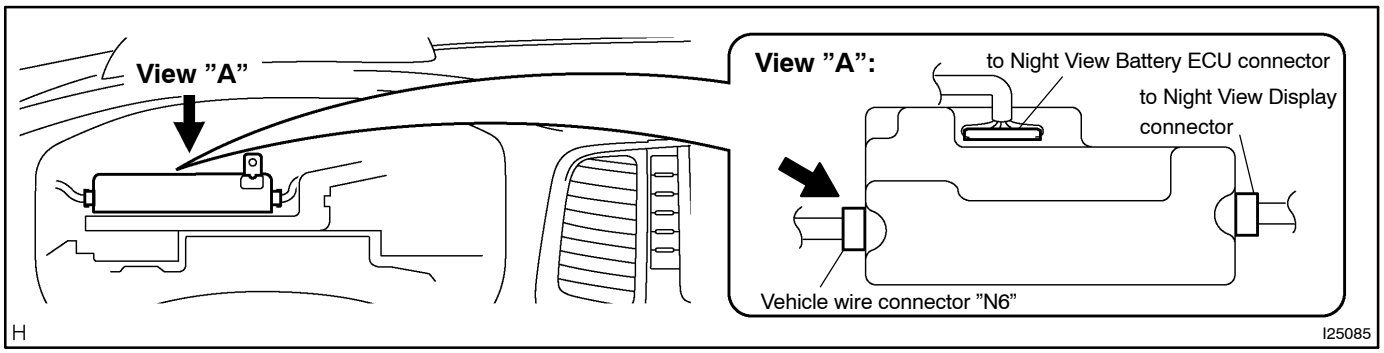
7	Check voltage between terminal HERLY of Night View ECU and body ground.

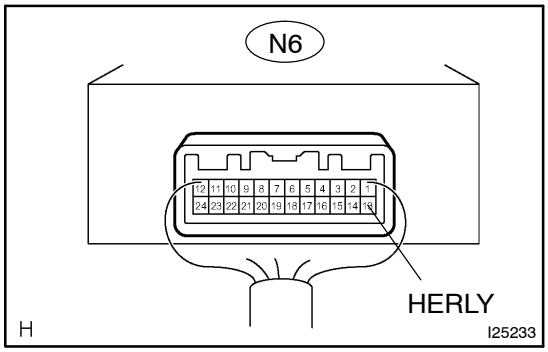
PREPARATION:

(a) Ignition switch OFF.

(b) Turn Headlight ON.

CHECK:





Measure voltage between terminal HERLY of the Night View ECU connector ”N6” and body ground.

(Terminals of ECU: See page DI–1257)

OK:

Voltage:

Condition	HERLY
Light control switch: Head position or Auto position (headlight ON)	Below 1 V
Light control switch: except Head position or Auto position (headlight OFF)	10 to 14 V

NG → **Repair or replace wire harness or connector between the Night View ECU and J16 connector of the J/C.**

OK

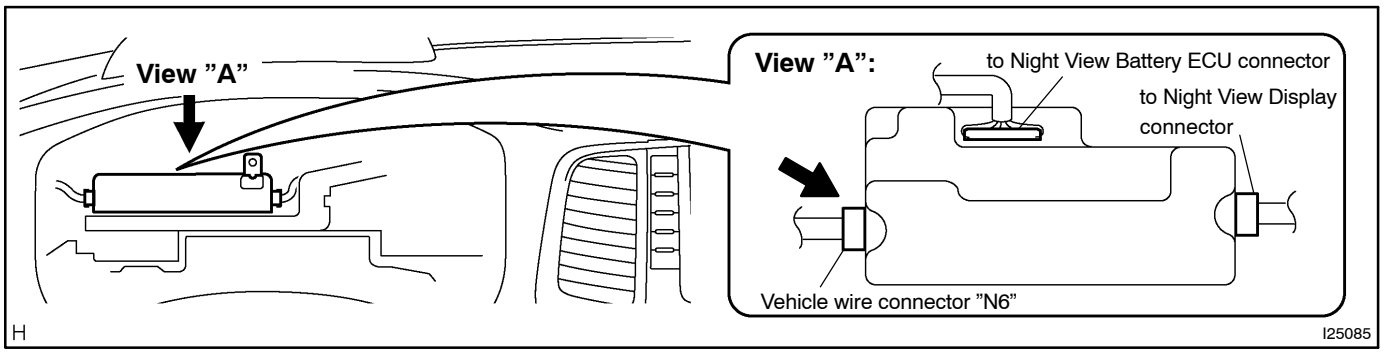
8	Check voltage between terminal HU of Night View ECU and body ground.

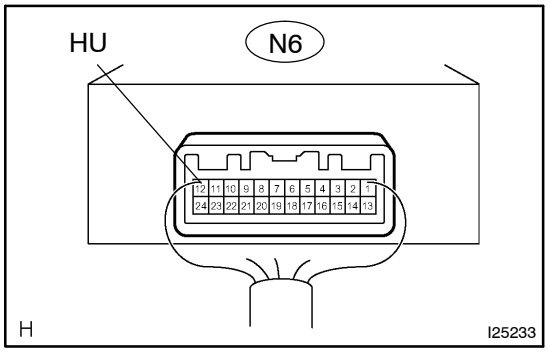
PREPARATION:

(a) Ignition switch ON.

(b) Turn Headlight ON.

CHECK:





Measure voltage between terminal HU of the Night View ECU connector ”N6” and body ground.

(Terminals of ECU: See page DI–1257)

OK:

Voltage:

Condition	HU
Headlight dimmer switch: Low position	10 to 14 V
Headlight dimmer switch: High or Flash position	Below 1 V

NG → **Repair or replace wire harness or connector between the Night View ECU and J16 connector of the J/C.**

OK

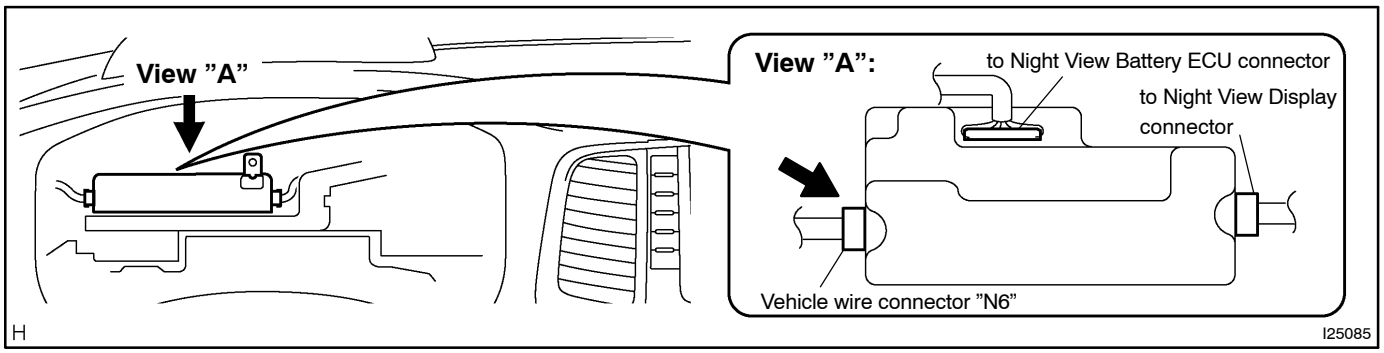
9	Check voltage between terminal HF of Night View ECU and body ground.

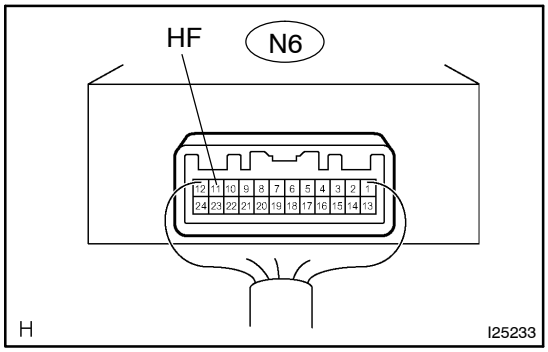
PREPARATION:

(a) Ignition switch ON.

(b) Turn the headlight ON.

CHECK:





Measure voltage between terminal HF of the Night View ECU connector ”N6” and body ground.

(Terminals of ECU: See page DI–1257)

OK:

Voltage:

Condition	HERLY
Headlight dimmer switch: Flash position	Below 1 V
Headlight dimmer switch: Low or High position	10 to 14 V

NG → **Repair or replace wire harness or connector between the Night View ECU and J16 connector of the J/C.**

OK

Replace Night View ECU.