

CIRCUIT INSPECTION

1. Display cover does not open (Night View Indicator does not come on)

CIRCUIT DESCRIPTION

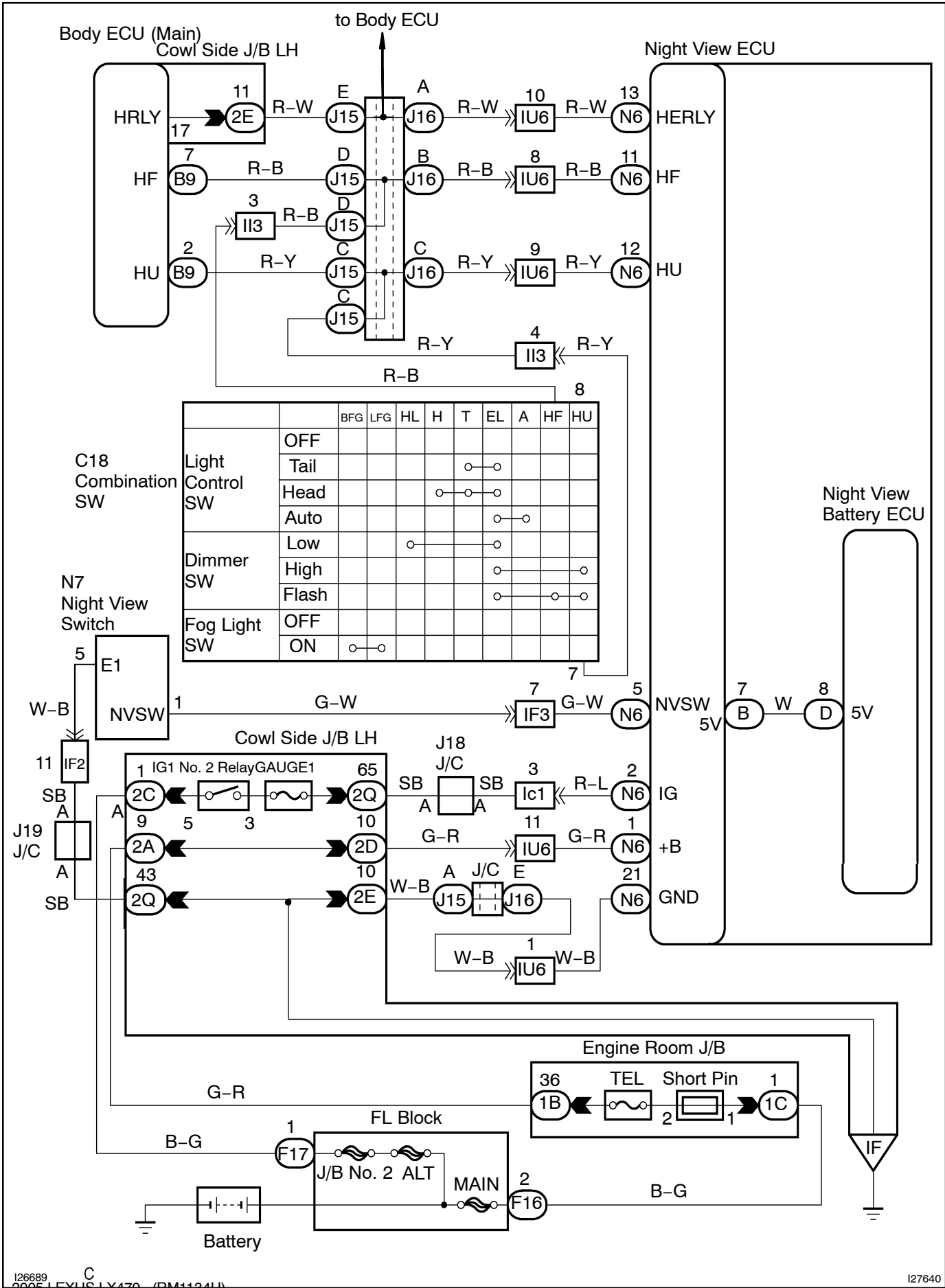
This circuit checks that the power source of the Night View System and each signal required to operate the indicator light are normally inputted to the Night View ECU.

(Operating conditions: See page [DI-1253](#))

NOTICE:

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check TEL and GAUGE1 fuse.
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PREPARATION:

Remove the TEL and GAUGE1 fuse.

CHECK:

Check the resistance between terminals of the TEL fuse and the GAUGE1 fuse.

OK:

Resistance: Less than 1 Ω

NG

Check for short circuit in all harness and components connected to TEL or GAUGE1 fuse.

OK

2	Check the headlight function.
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PREPARATION:

Turn the headlight ON.

CHECK:

Verify all headlight functions are normal.

OK:

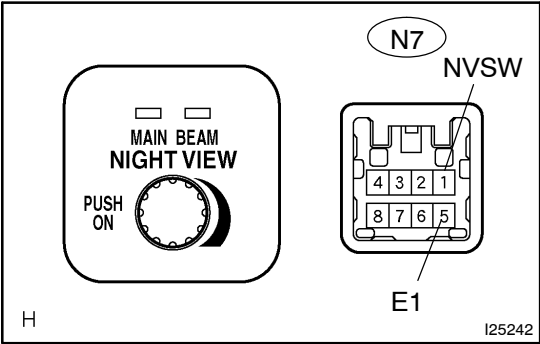
Headlight function is correct.

NG

Go to headlight and taillight system
(See page [BE-2](#)).

OK

3 Check resistance between terminals NVSW and E1 of Night View Switch.



PREPARATION:

Remove the Night View Switch.

CHECK:

Check the resistance between terminals NVSW and E1 of the Night View Switch.

OK:

Resistance:

Condition	Specification
Pressing the Night View Switch	Less than 1 Ω
Not pressing the Night View Switch	More than 10 k Ω

HINT:

If OK, reinstall the Night View Switch.

NG

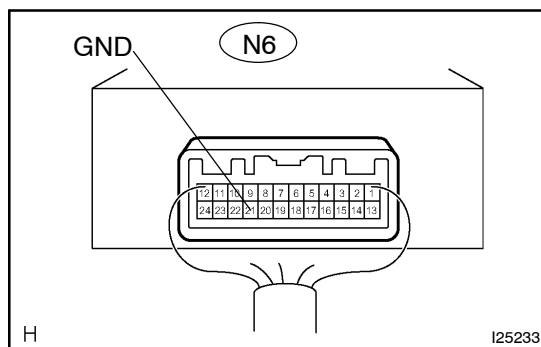
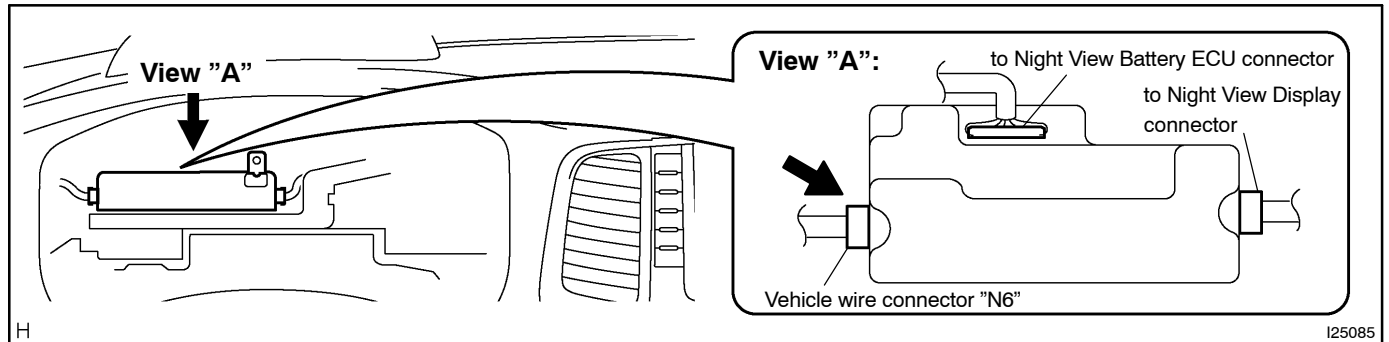
Replace Night View Switch.

OK

4 Check resistance between terminal GND of Night View ECU and body ground.

PREPARATION:

Remove the combination meter.

CHECK:

Measure the resistance between terminal GND of the Night View ECU connector "N6" and body ground.

(Terminals of ECU: See page [DI-1257](#))

OK:

Resistance: Less than 1 Ω

NG

Repair or replace wire harness or connector (ground circuit).

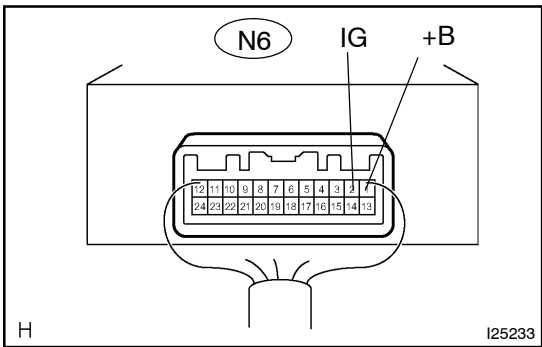
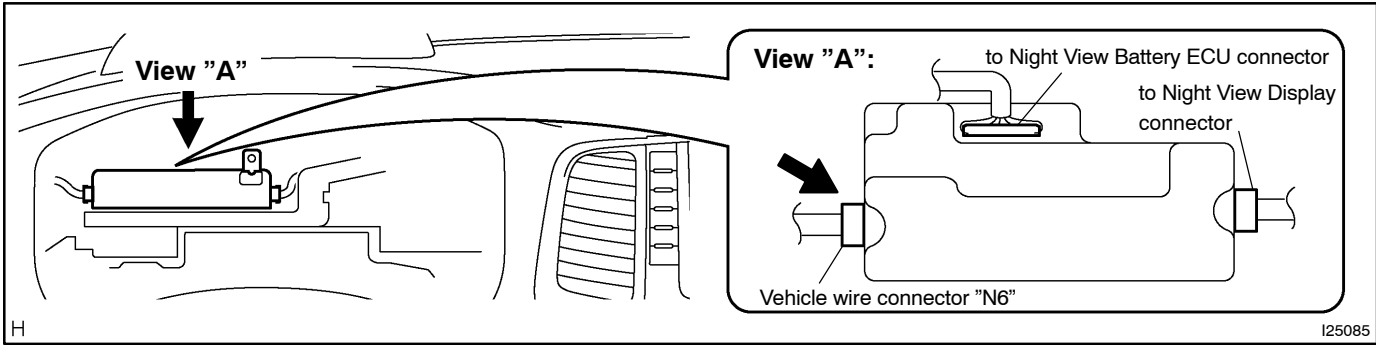
OK

5 Check voltage between terminals +B, IG of Night View ECU and body ground.

PREPARATION:

Turn the ignition switch ON.

CHECK:



Measure voltage between terminals +B, IG of the Night View ECU connector "N6" and body ground.
(Terminals of ECU: See page [DI-1257](#))

OK:

Voltage: 10 to 14 V

NG

Repair or replace wire harness or connector (power source circuit).

OK

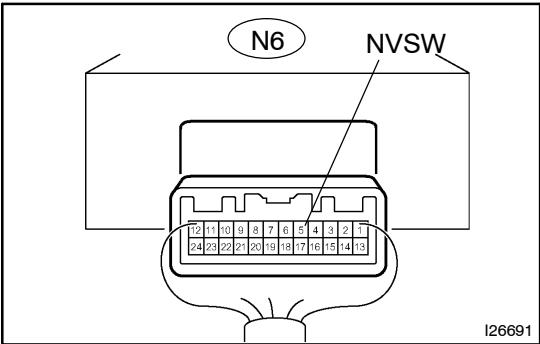
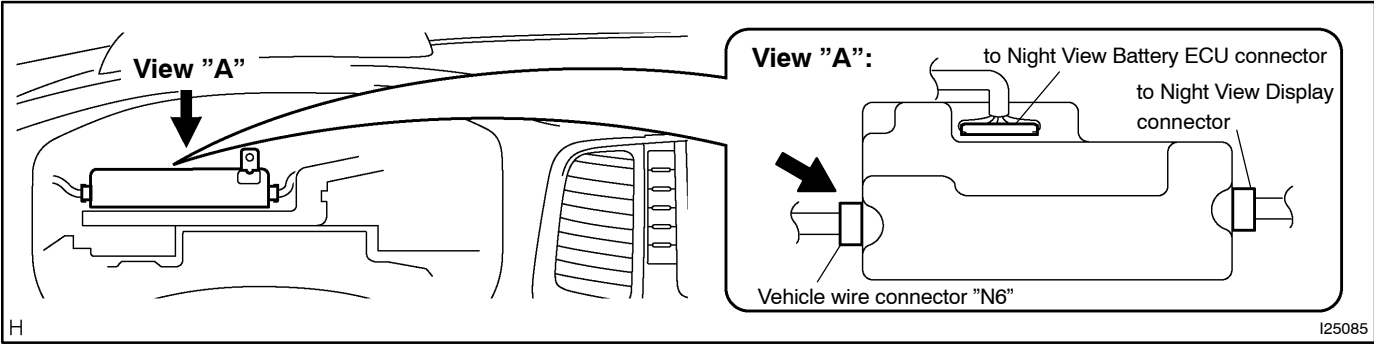
6

Check resistance between terminal NVSW of Night View ECU and body ground.

PREPARATION:

- (a) Remove the connector from the Night View ECU.
- (b) Turn the Night View Switch ON.

CHECK:



Measure resistance between terminal NVSW of the Night View ECU connector "N6" and body ground.
(Terminals of ECU: See page [DI-1257](#))

OK:

Resistance:

Condition	Specification
Pressing the Night View Switch	Less than 1 Ω
Not pressing the Night View Switch	More than 10 kΩ

HINT:

If OK, reinstall the connector.

NG

Repair or replace wire harness or connector.

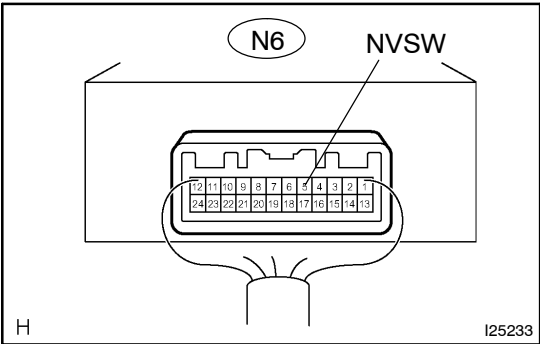
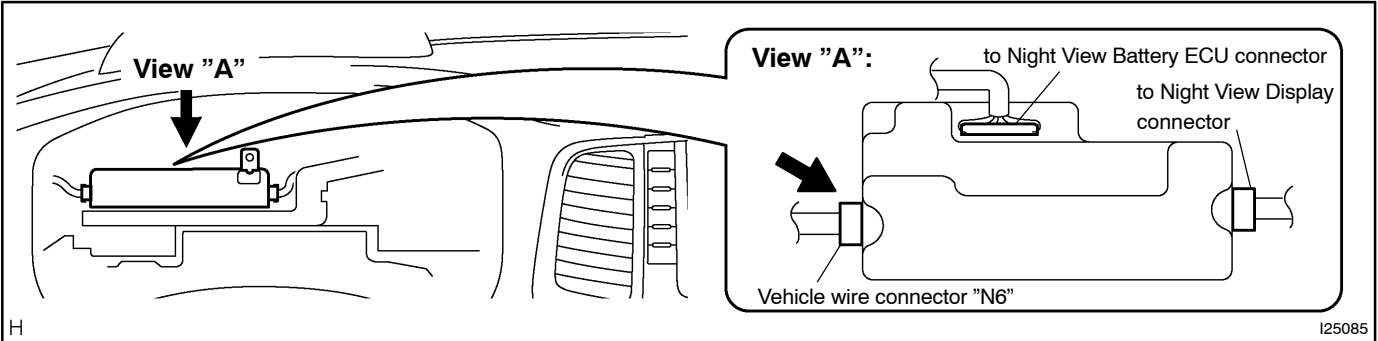
OK

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

PREPARATION:

- (a) Turn the ignition switch ON.
- (b) Turn the Night View Switch ON.

CHECK:



Measure voltage between terminal NVSW of the Night View ECU connector "N6" and body ground.
(Terminals of ECU: See page [DI-1257](#))

OK:

Voltage:

Condition	Specification
Pressing the Night View Switch	Below 1 V
Not pressing the Night View Switch	4.75 to 5.25 V

NG

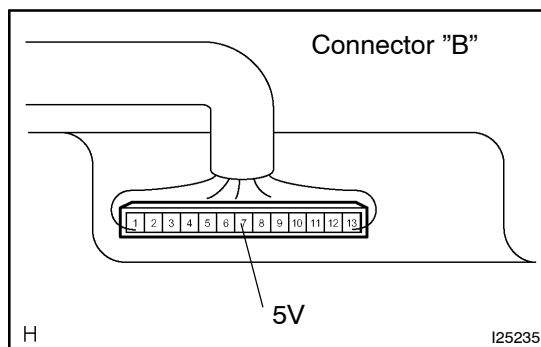
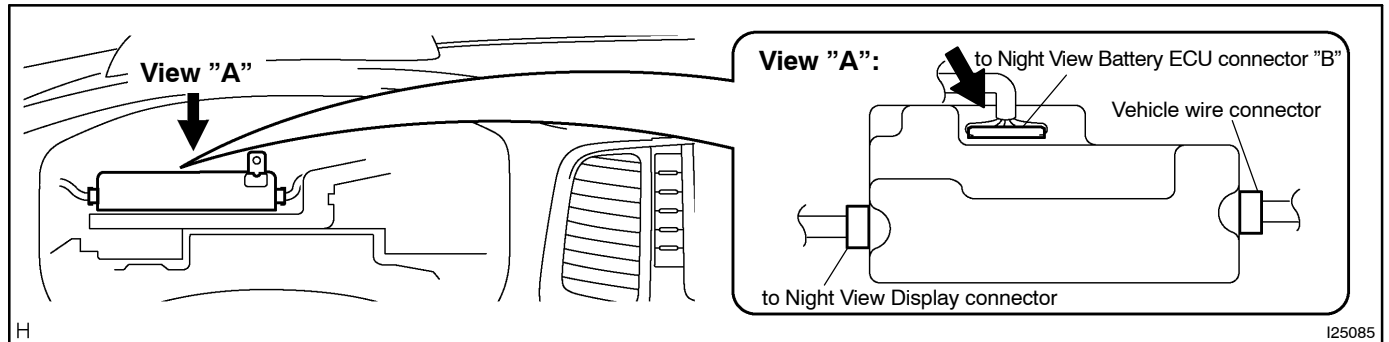
Go to step 8.

OK

Go to step 10.

8 Check voltage between terminal 5V of Night View ECU and body ground.**PREPARATION:**

Ignition switch ON.

CHECK:

Measure voltage between terminal 5V of the Night View ECU connector "B" and body ground.

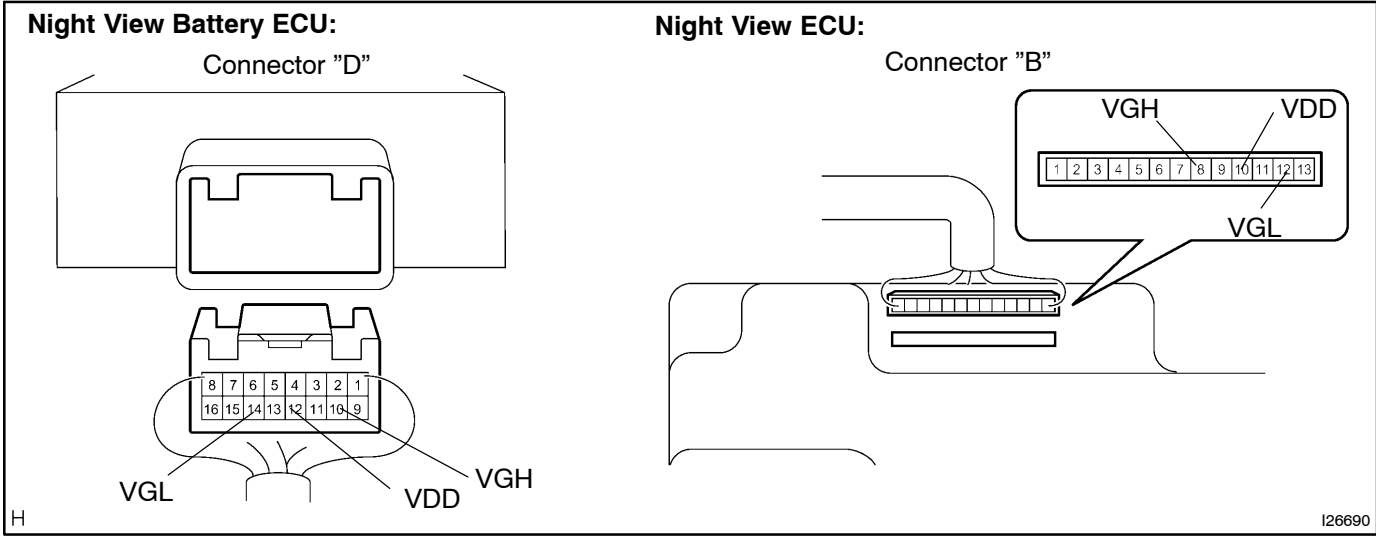
(Terminals of ECU: See page [DI-1257](#))

OK:**Voltage: 4.75 to 5.25 V****NG****Go to step 9.****OK****Replace Night View ECU.**

9 Check wire harness between terminals VGL, VDD, VGH of Night View Battery ECU and Night View ECU (See page [IN-36](#)).

PREPARATION:

Remove the wire harness between the Night View Battery ECU and the Night View ECU.



CHECK:

Check the resistance between terminals VGL, VDD, and VGH of connector "D" and those of "B".
(Terminals of ECU: See page [DI-1257](#))

OK:

Resistance: Less than 1 Ω

NG

Replace wire harness.

OK

Replace Night View Battery ECU.

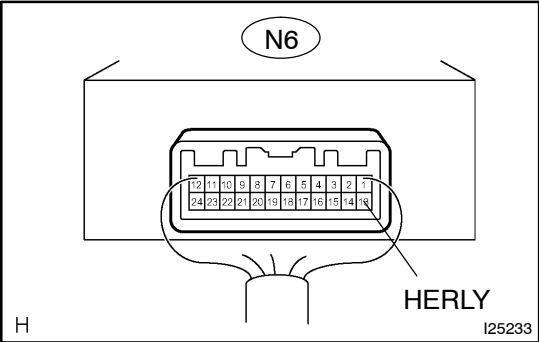
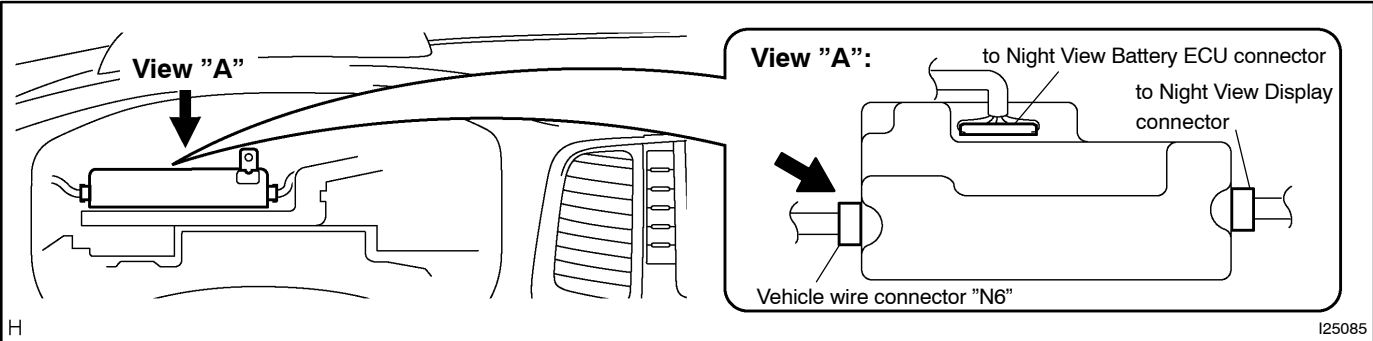
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Check voltage between terminal HERLY of Night View ECU and body ground.

PREPARATION:

- (a) Ignition switch ON.
- (b) Turn the 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.

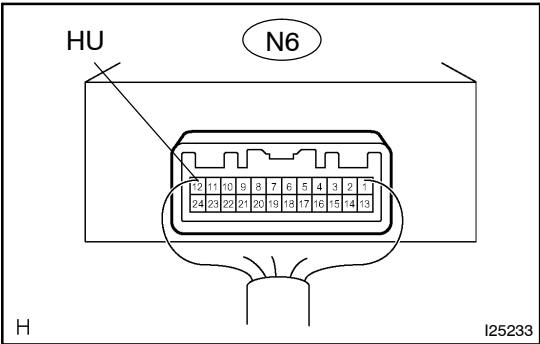
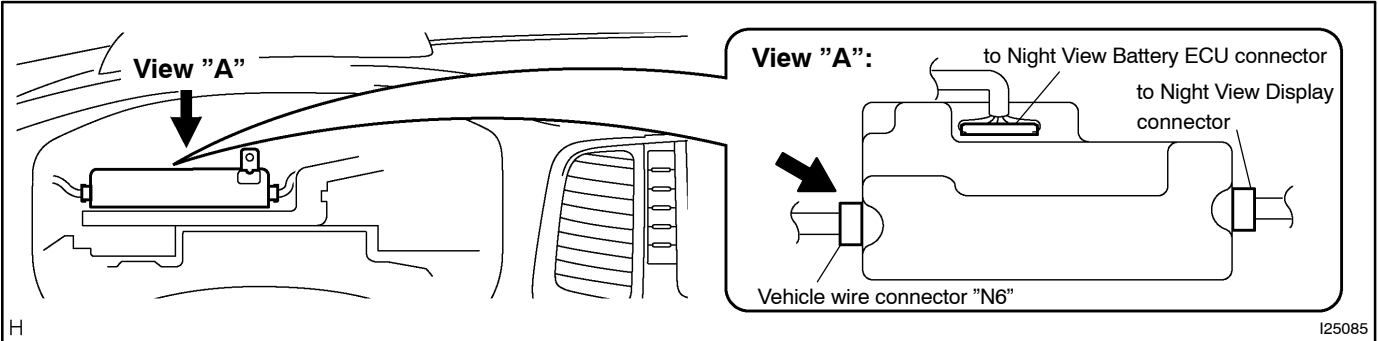
OK

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

PREPARATION:

- (a) Ignition switch ON.
- (b) Turn the 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.

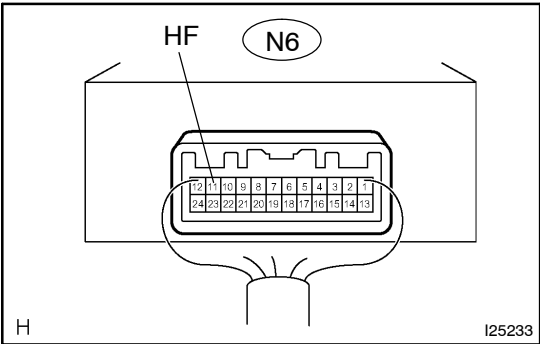
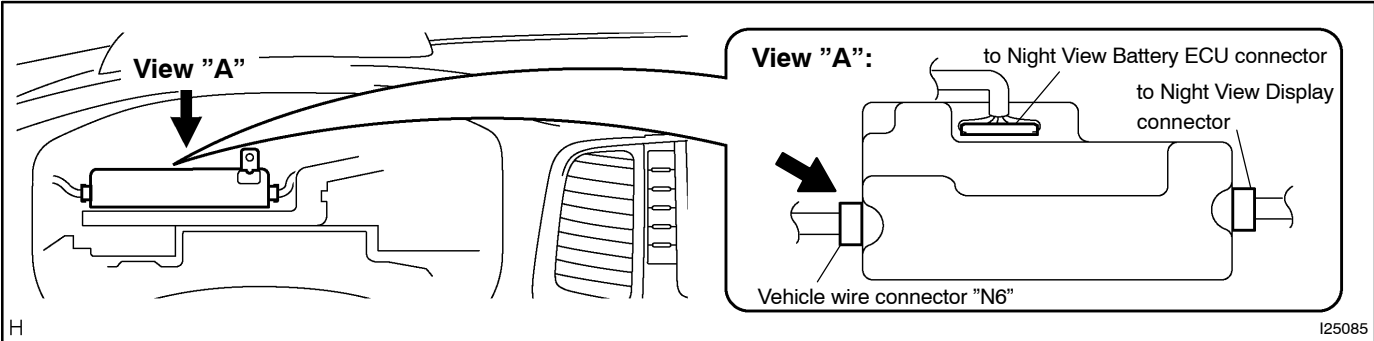
OK

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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.