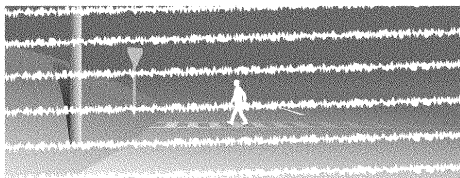


8. Screen is striped

9. Screen is streaky

Example:



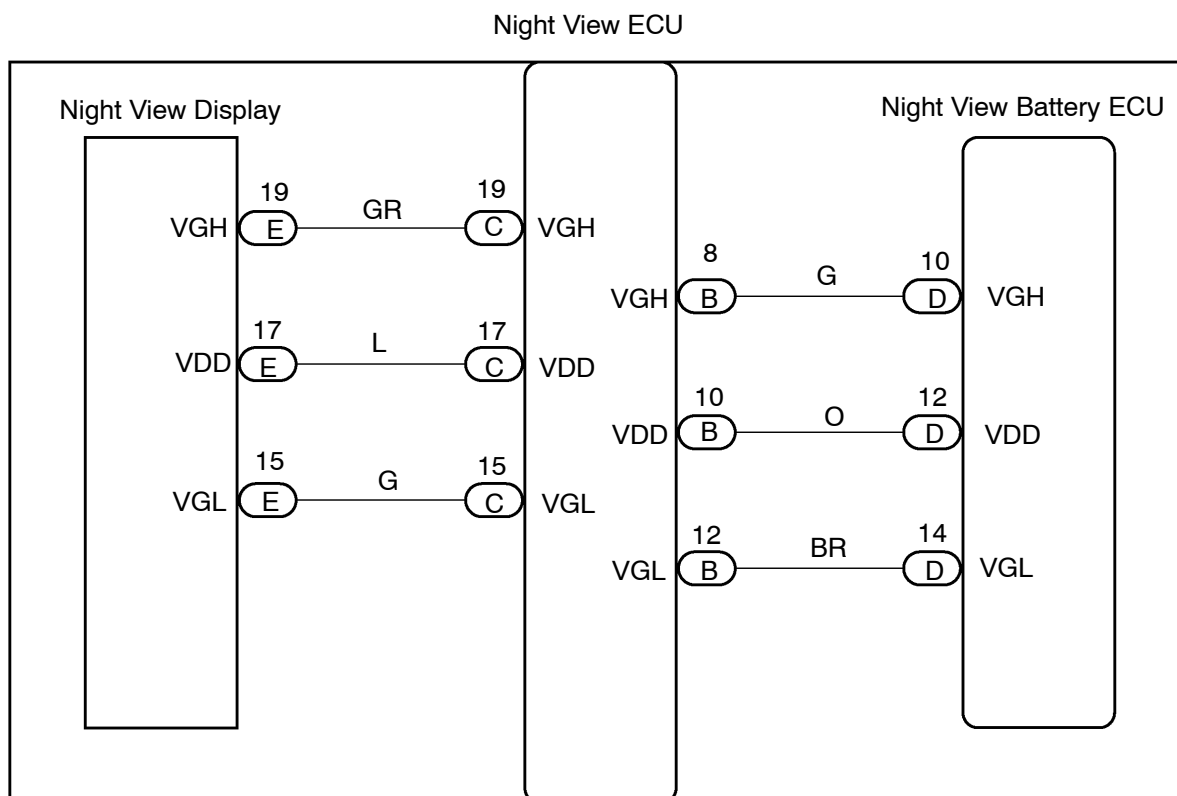
H

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CIRCUIT DESCRIPTION

- (a) Striped screen occurs when a malfunction of the Night View Camera or the display occurs.
- (b) Streaky screen occurs by a malfunction of the Night View Camera or the display, and also by dirt on the windshield.
- (c) Display power source (VGL, VDD, VGH) from Night View Battery ECU is provided to the Display via the Night View ECU.

WIRING DIAGRAM



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INSPECTION PROCEDURE

1	Check on the windshield glass in front of the Night View Camera.
---	--

OK:

Windshield glass is clean.

HINT:

Night View Camera cleaning method (See page [DI-1077](#)).

NG

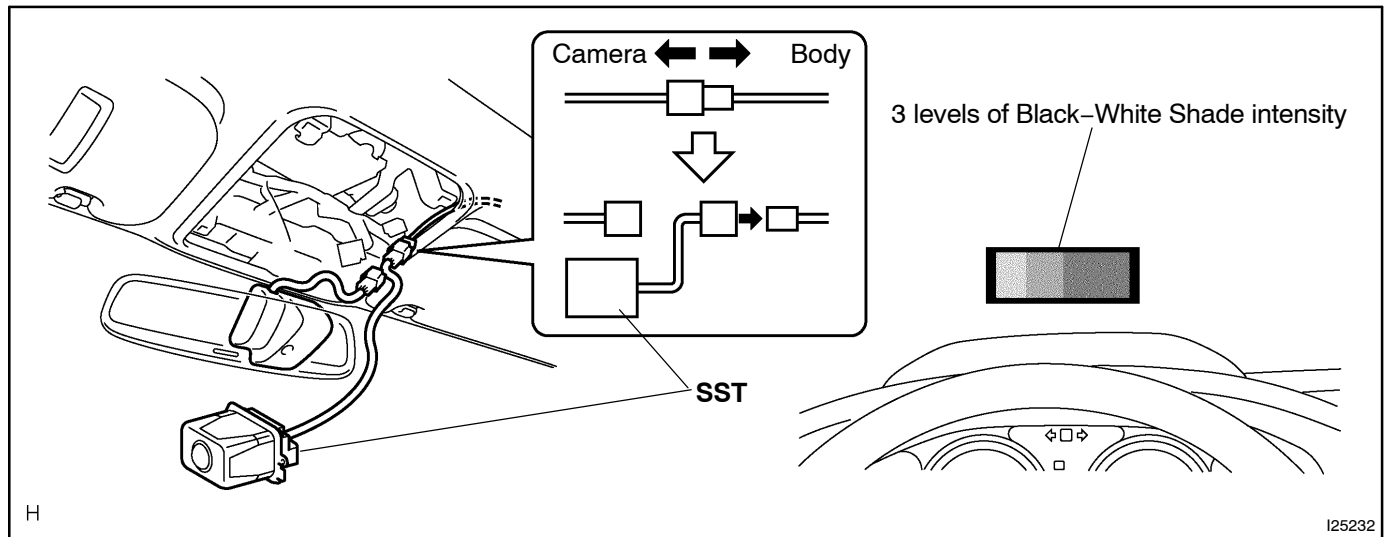
Clean the windshield glass
(Dirt on the windshield glass).

OK

2 Check Night View Camera using SST.

PREPARATION:

- (a) Remove the over head junction (map light cover).
 - (b) Remove the connector from the Night View Camera.
 - (c) Connect SST to the wire harness of the Night View Camera on the body side as shown in the illustration.
- SST 09991-00610



- (d) Turn the ignition switch ON.
- (e) Switch to Inspection Mode (See page [DI-1077](#)).

CHECK:

Check the screen of the Night View Display.

OK:

3 levels of Black-White shade intensity displayed.
(NG: Stripes still appear.)

NG

Go to step 3.

OK

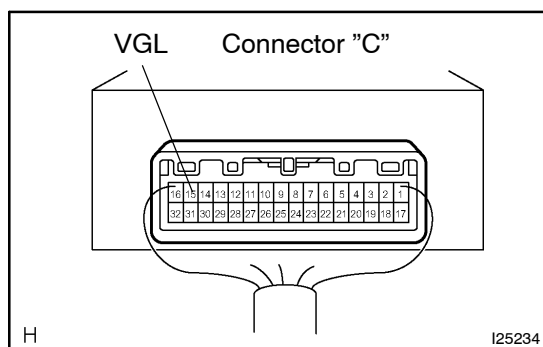
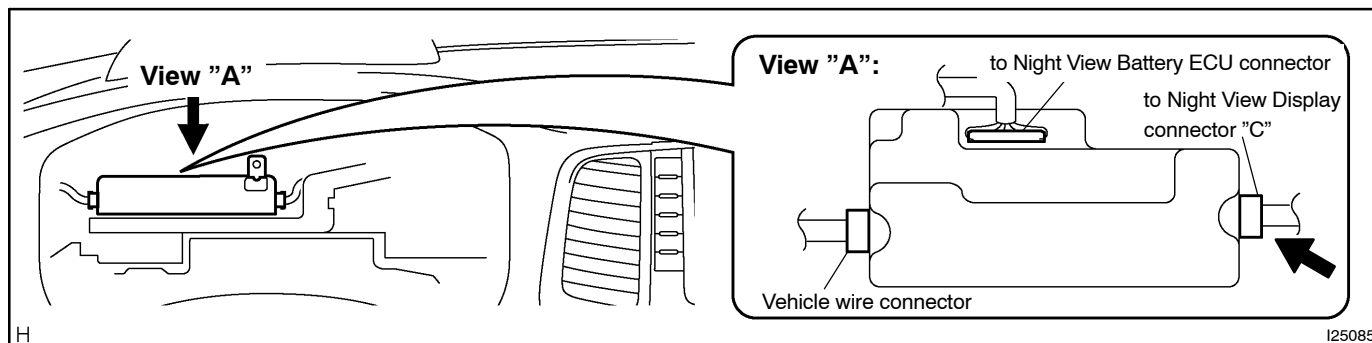
Replace Night View Camera.

3 Check voltage between terminal VGL of Night View ECU connector "C" and body ground.

PREPARATION:

- (a) Remove the combination meter.
- (b) Turn the ignition switch ON.

CHECK:



Measure voltage between terminal VGL of the Night View ECU connector "C" and body ground.

(Terminals of ECU: See page [DI-1081](#))

OK:

Voltage:

VGL: -15 to -17 V

(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG

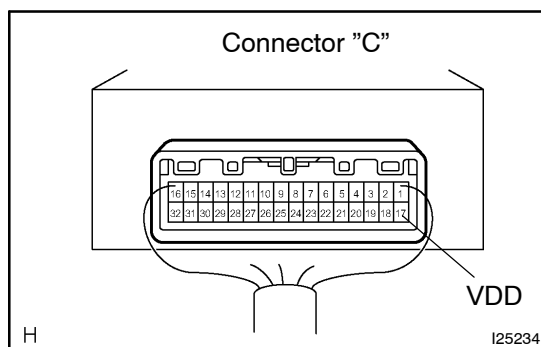
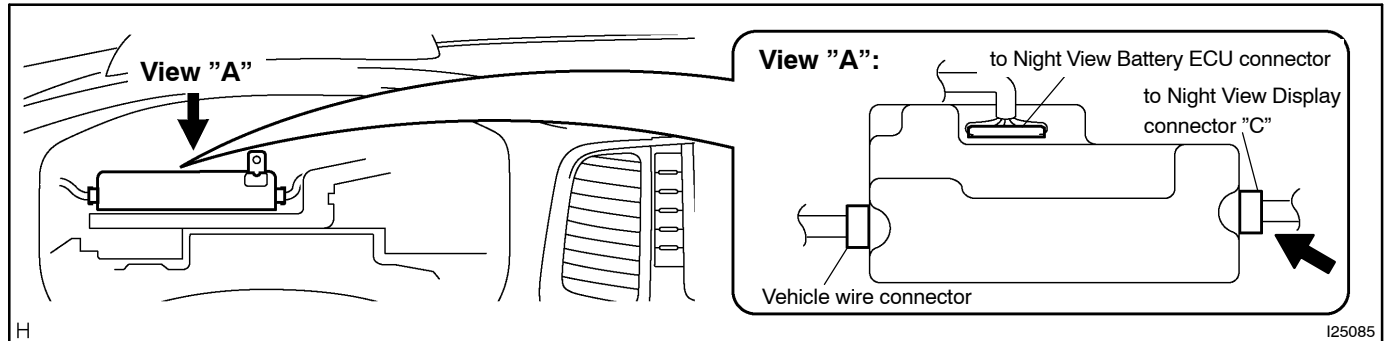
Go to step 6.

OK

- 4 Check voltage between terminal VDD of Night View ECU connector "C" and body ground.**

PREPARATION:

Ignition switch ON.

CHECK:

Measure voltage between terminal VDD of the Night View ECU connector "C" and body ground.

(Terminals of ECU: See page [DI-1081](#))

OK:**Voltage:****VDD: 4.75 to 5.25 V**

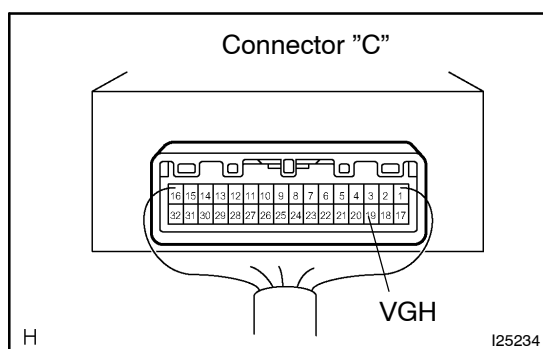
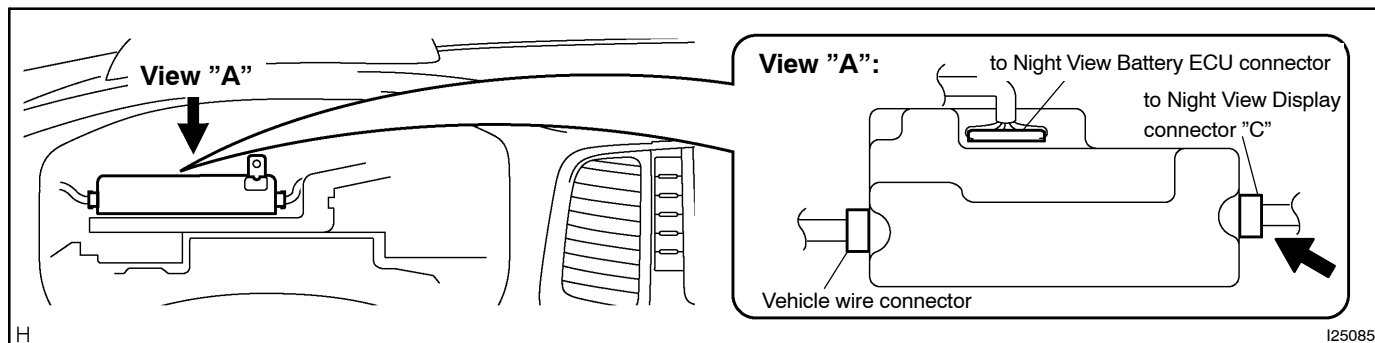
(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG**Go to step 6.****OK**

- 5 Check voltage between terminal VGH of Night View ECU connector "C" and body ground.**

PREPARATION:

Ignition switch ON.

CHECK:

Measure voltage between terminal VGH of the Night View ECU connector "C" and body ground.

(Terminals of ECU: See page [DI-1081](#))

OK:**Voltage:****VGH: 17.4 to 18.6 V**

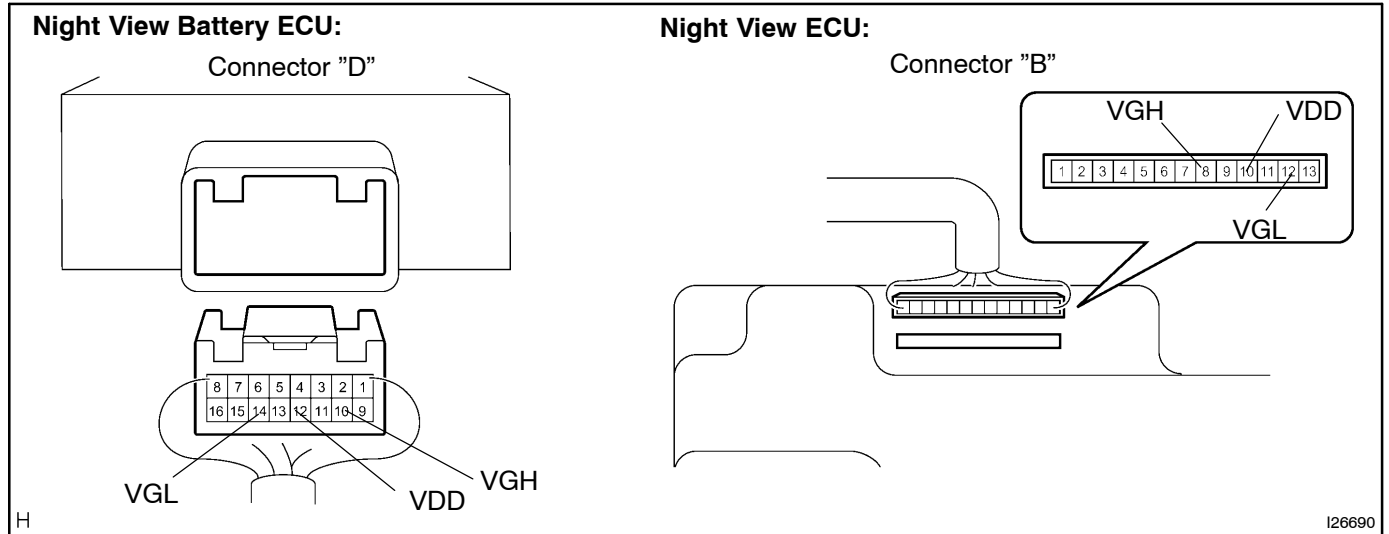
(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG**Go to step 6.****OK****Replace Night View Display.**

6 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, VGH of connector "D" to "B".

(Terminals of ECU: See page [DI-1081](#))

OK:

Resistance: Less than 1 Ω

NG

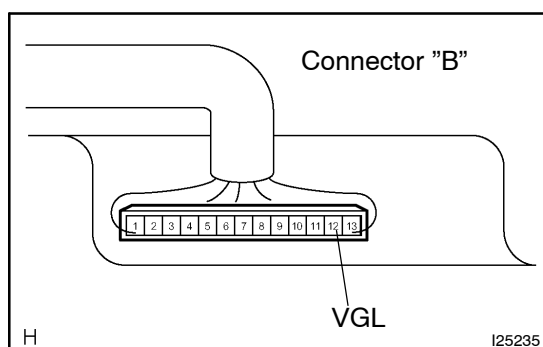
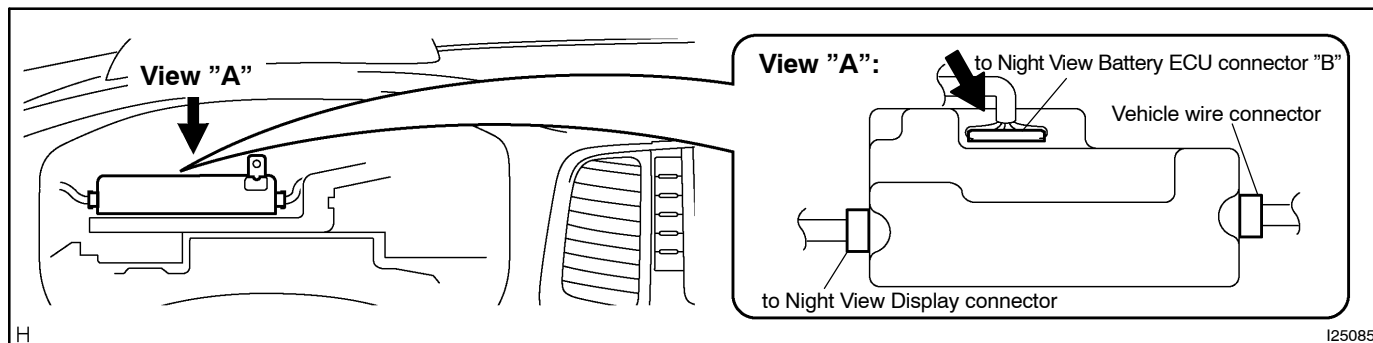
Replace wire harness.

OK

- 7 Check voltage between terminal VGL of Night View ECU connector "B" and body ground.**

PREPARATION:

Ignition switch ON.

CHECK:

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

(Terminals of ECU: See page [DI-1081](#))

OK:**Voltage:****VGL: -15 to -17 V**

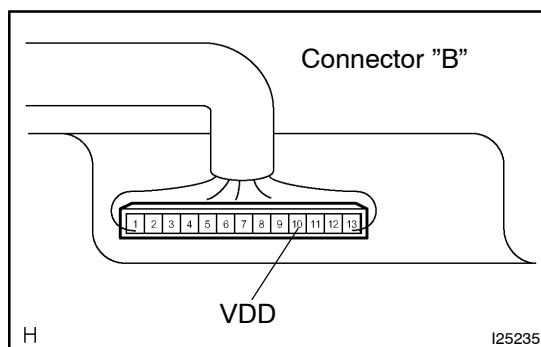
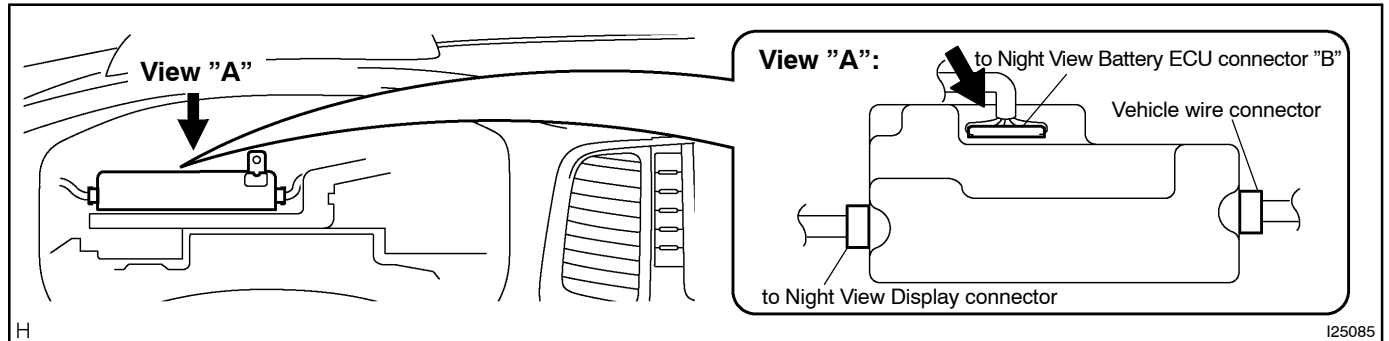
(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG**Replace Night View Battery ECU.****OK**

- 8 Check voltage between terminal VDD of Night View ECU connector "B" and body ground.**

PREPARATION:

Ignition switch ON.

CHECK:

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

(Terminals of ECU: See page [DI-1081](#))

OK:**Voltage:****VDD: 4.75 to 5.25 V**

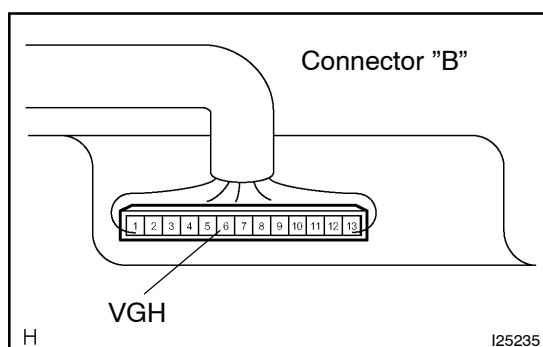
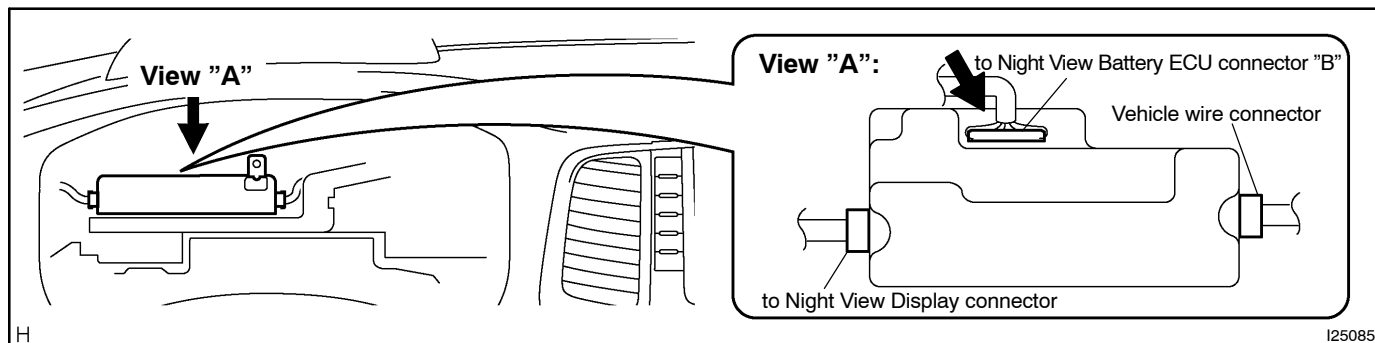
(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG**Replace Night View Battery ECU.****OK**

- 9 Check voltage between terminal VGH of Night View ECU connector "B" and body ground.**

PREPARATION:

Ignition switch ON.

CHECK:

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

(Terminals of ECU: See page [DI-1081](#))

OK:**Voltage:****VGH: 17.4 to 18.6**

(Terminal voltages must meet the specified value between 0 and 20 seconds after ignition switch ON.)

NG**Replace Night View Battery ECU.****OK****Replace Night View ECU.**