

15.Headlight Bulb

A: REMOVAL

1. HIGH BEAM

WARNING:

Because the headlight system uses high voltage, be careful not to perform work with wet hands. There is a possibility of electrical shock.

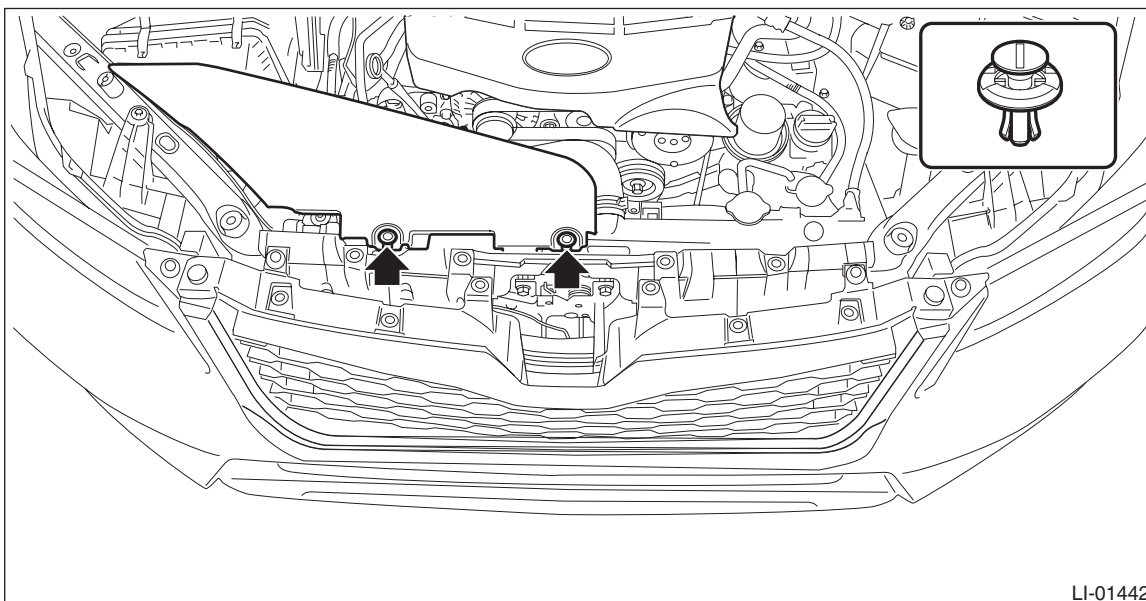
CAUTION:

- Because the halogen bulb operates at a high temperature, dirt and oil on the bulb surface reduces the bulb's service life. Hold the flange portion when replacing the bulb. Never touch the glass portion.

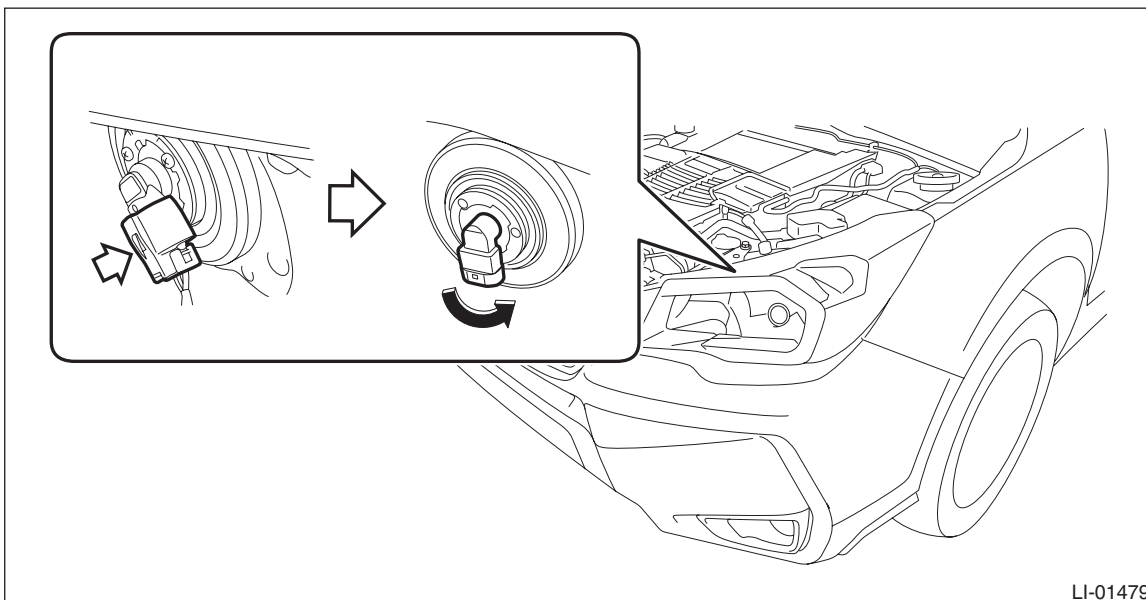
- Do not leave the light assembly - head without the bulb for a long time. Dust, moisture, etc. entering the light may affect its performance.

1) Disconnect the ground cable from battery.

2) Remove the clips and remove the air intake duct (rear). (When removing the high beam bulb RH)



3) Disconnect the connector and remove the high beam bulb.



2. HALOGEN TYPE LOW BEAM

WARNING:

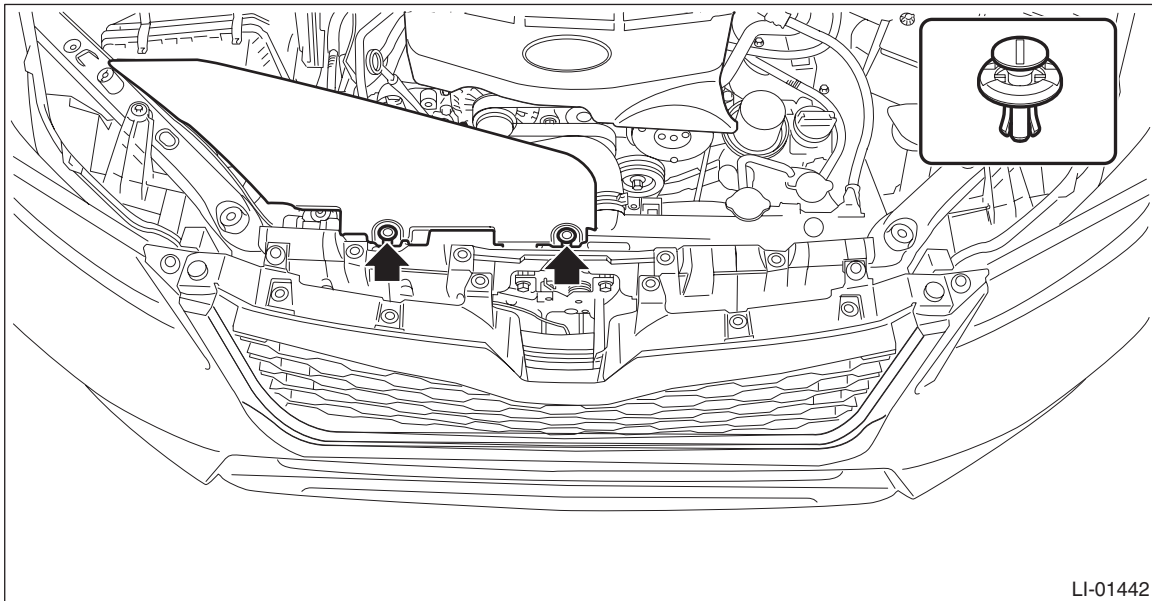
Because the headlight system uses high voltage, be careful not to perform work with wet hands. There is a possibility of electrical shock.

CAUTION:

- Because the halogen bulb operates at a high temperature, dirt and oil on the bulb surface reduces the bulb's service life. Hold the flange portion when replacing the bulb. Never touch the glass portion.
- Do not leave the light assembly - head without the bulb for a long time. Dust, moisture, etc. entering the light may affect its performance.

1) Disconnect the ground cable from battery.

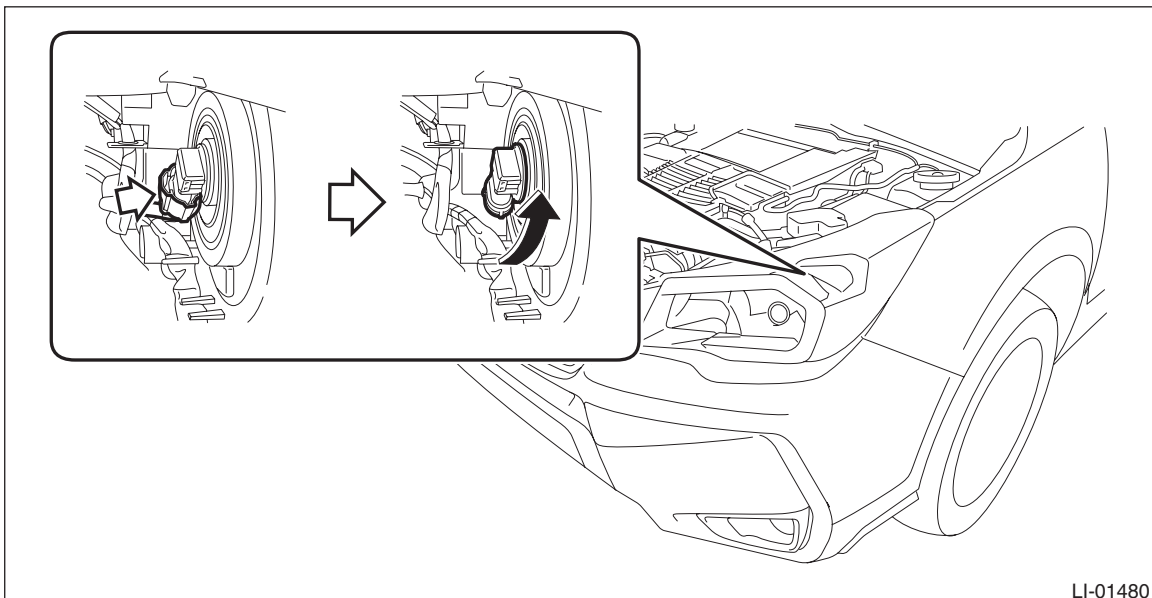
2) Remove the clips and remove the air intake duct (rear). (When removing the low beam bulb RH)



3) Disconnect the connector and remove the low beam bulb.

CAUTION:

Make sure to check if any bulb O-ring is remained on the housing side as this may sometimes happen.



Headlight Bulb

LIGHTING SYSTEM

3. HID TYPE LOW BEAM

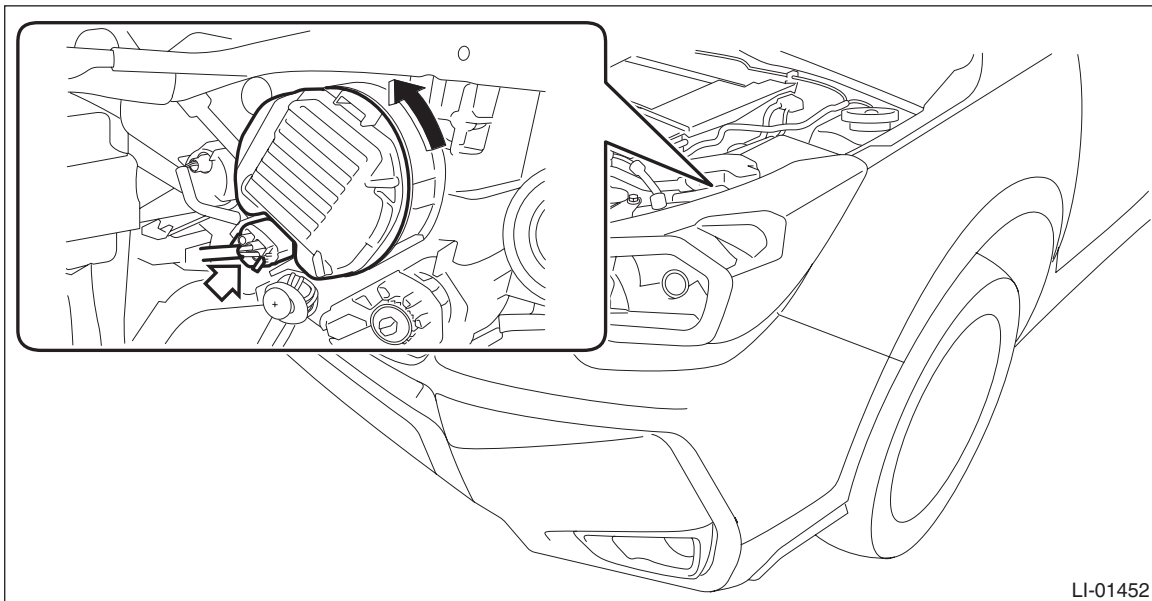
WARNING:

Because the headlight system uses high voltage, be careful not to perform work with wet hands. There is a possibility of electrical shock.

CAUTION:

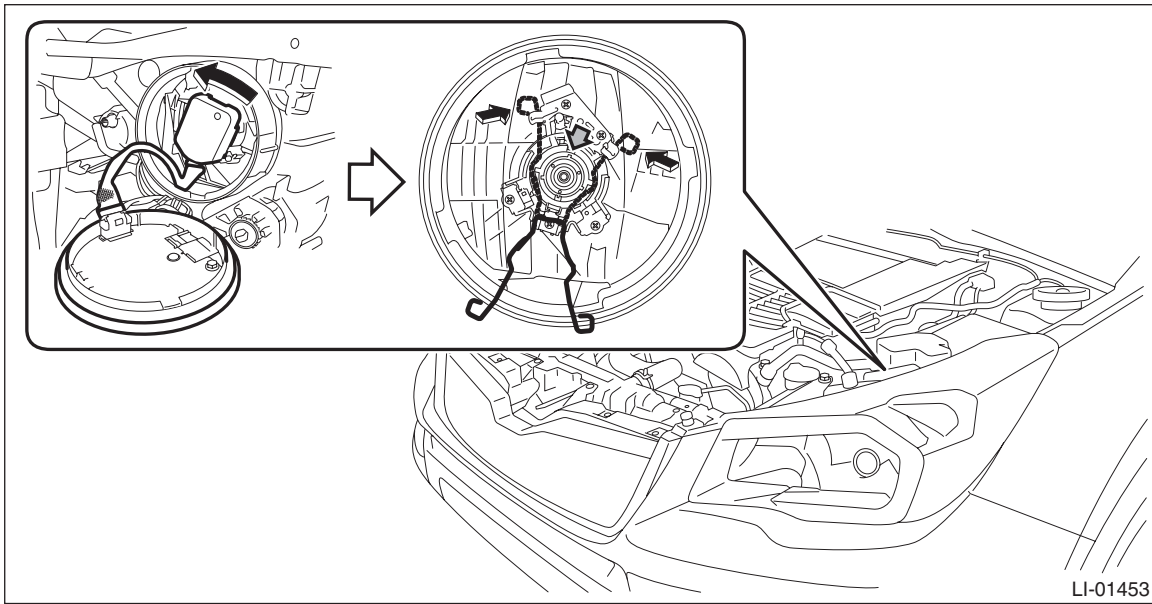
- Because the lighting circuit uses high voltage, be sure to confirm that the power supply is turned off before operation.
- When replacing bulb, hold the flange area. Be careful not to touch the glass area.
- Do not leave the light assembly - head without the bulb and ballast - headlight for a long time. Dust, moisture, etc. entering the light may affect its performance.

- 1) Disconnect the ground cable from battery.
- 2) Remove the battery. (When removing the low beam bulb LH) <Ref. to SC(H4DO)-63, REMOVAL, Battery.>
- 3) Remove the air cleaner case. (When removing the low beam bulb RH)
 - Non-turbo model: <Ref. to IN(H4DO)-6, REMOVAL, Air Cleaner Case.>
 - Turbo model: <Ref. to IN(H4DOTC)-9, REMOVAL, Air Cleaner Case.>
- 4) Remove the low beam bulb.
 - (1) Disconnect the connector.
 - (2) Remove the ballast - headlight, and pull out the light assembly - head.



LI-01452

- (3) Remove the bulb socket and remove the ballast - headlight.
- (4) Unlock the bulb spring, and remove the low beam bulb.



B: INSTALLATION

Install each part in the reverse order of removal.

C: INSPECTION

1. HALOGEN TYPE

WARNING:

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CAUTION:

- **Because the halogen bulb operates at a high temperature, dirt and oil on the bulb surface reduces the bulb's service life. Hold the flange portion when replacing the bulb. Never touch the glass portion.**
- **Do not leave the light assembly - head without the bulb for a long time. Dust, moisture, etc. entering the headlight may affect its performance.**

- 1) Visually check the bulb for blow out.
- 2) Check the bulb specification. <Ref. to LI-2, SPECIFICATION, General Description.>
- 3) Replace the bulb if it is found defective.

Headlight Bulb

LIGHTING SYSTEM

2. HID TYPE

WARNING:

Because the headlight system uses high voltage, be careful not to perform work with wet hands. There is a possibility of electrical shock.

CAUTION:

- **Do not leave the light assembly - head without the bulb and ballast - headlight for a long time. Dust, moisture, etc. entering the headlight may affect its performance.**
- **When lit (lighting switch is ON), do not touch the harness, light internals, or metal parts of the light.**
- **When performing a lighting test, make sure that the headlight is mounted on the vehicle, and the power supply is connected to the connector on the vehicle's side.**

1) Check the bulb specification. <Ref. to LI-2, SPECIFICATION, General Description.>

2) Install the specified bulb to check whether it lights properly.

3) If it does not light properly, replace with a new bulb.

4) Check the ballast - headlight.

Inspect the ballast - headlight in the following manner, and determine whether or not to reuse.

(1) Perform cold starts (light the headlight after turning off for 10 minutes or more), and hot starts (light the headlight for 15 minutes or more, then turn off for 1 minute and relight) several times, to make sure that the headlight lights properly.

(2) Monitor the lighting condition right after a cold start up to a stable state (approx. 5 min.), to see if there are any unstable conditions such as flickering.

(3) Install bulbs with the same number of operating hours on both headlights, and light for approximately 30 minutes. Check for whether there is a difference in brightness on the right and left sides.

5) Replace the ballast - headlight if it is found defective.