

13.Headlight Bulb

A: REMOVAL

1. HIGH BEAM & HALOGEN TYPE LOW BEAM

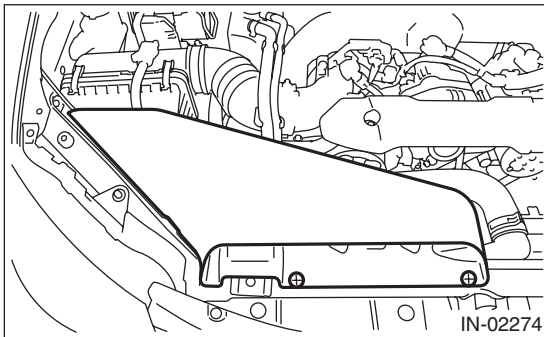
WARNING:

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

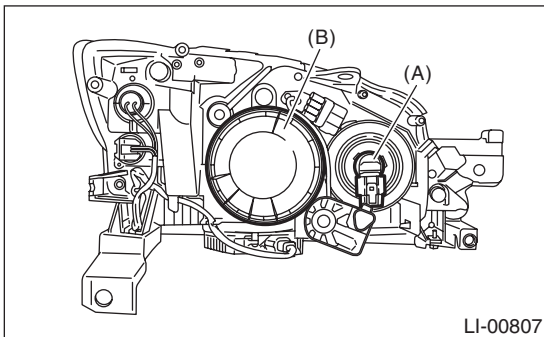
CAUTION:

- 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 headlight without a bulb for a long time. Dust, moisture, etc. entering the headlight may affect its performance.

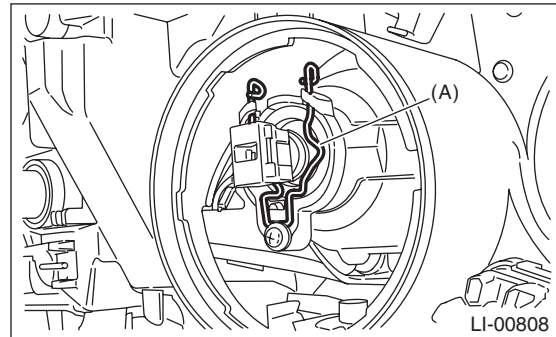
- 1) Disconnect the ground cable from battery.
- 2) Remove the clips and remove the air intake duct. (When removing the headlight bulb RH)



- 3) Remove the battery cover. (When removing the headlight bulb LH)
- 4) Tilt the washer tank filler neck. (When removing the headlight bulb LH)
- 5) Disconnect the bulb connector.
- 6) Remove the bulb assembly (A) then remove the high beam. To remove the low beam, remove the back cover (B), and then go to step 7.



- 7) Remove the bulb connector and retaining spring (A), and remove the bulb.



2. HID TYPE LOW BEAM

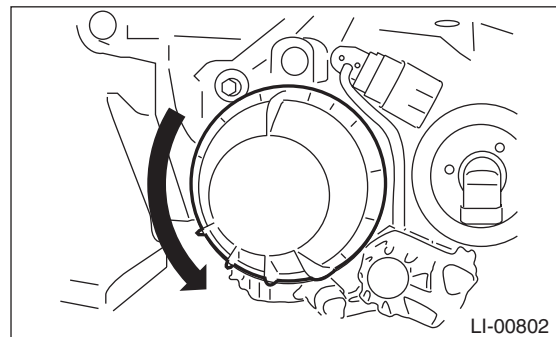
WARNING:

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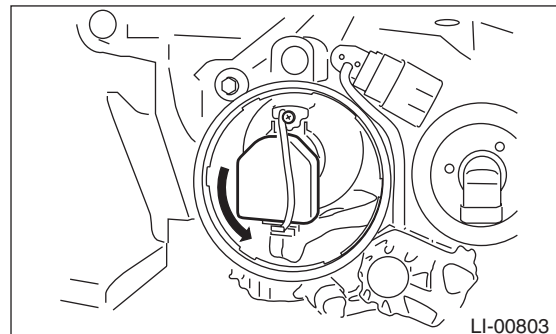
CAUTION:

- Because the HID 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 headlight without a bulb for a long time. Dust, moisture, etc. entering the headlight may affect its performance.

- 1) Disconnect the ground cable from battery.
- 2) Remove the headlight assembly. <Ref. to LI-15, REMOVAL, Headlight Assembly.>
- 3) Remove the back cover.



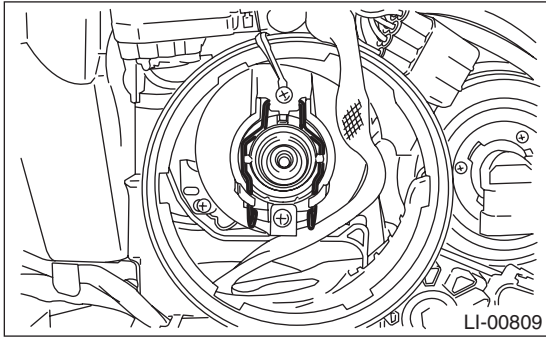
- 4) Disconnect the bulb connector.



Headlight Bulb

LIGHTING SYSTEM

5) Remove the retaining spring of bulb, and remove the bulb.



B: INSTALLATION

Install each part in the reverse order of removal.

C: INSPECTION

1. HALOGEN 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:

- 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 headlight without a 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.

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:

- 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 factory HID bulb to check whether it lights properly.

3) If it fails to illuminate normally, replace the bulb with a new part.

4) Inspect the HID ballast.

Inspect the ballast 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 if it is found defective.