

13. Headlight Bulb

A: REMOVAL

1. HIGH BEAM & HALOGEN TYPE LOW BEAM

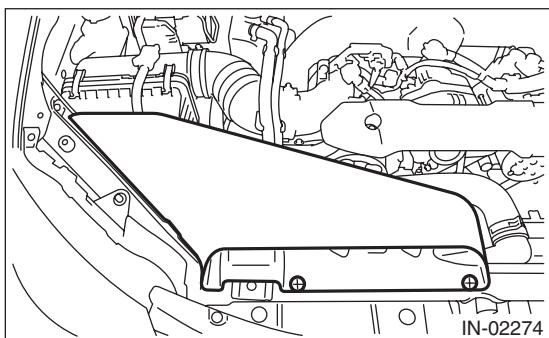
WARNING:

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

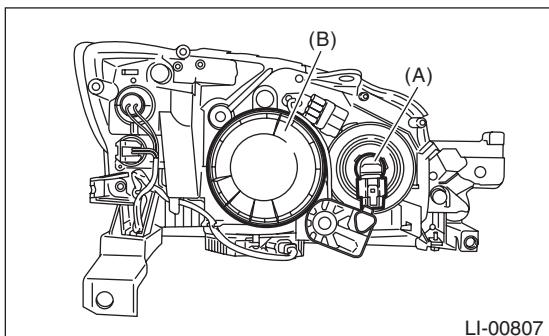
CAUTION:

- 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.

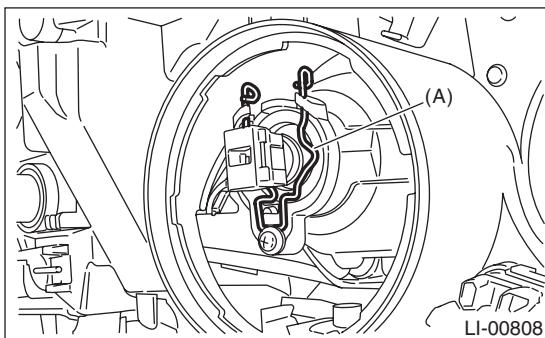
- Disconnect the ground cable from battery.
- Remove the clips and remove the air intake duct. (When removing the headlight bulb RH)



- Remove the battery cover. (When removing the headlight bulb LH)
- Tilt the washer tank filler neck. (When removing the headlight bulb LH)
- Disconnect the bulb connector.
- 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.



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



2. HID TYPE LOW BEAM

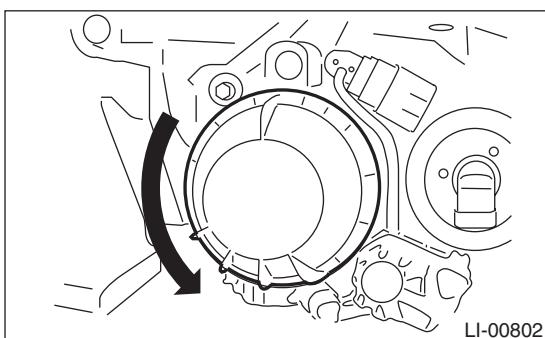
WARNING:

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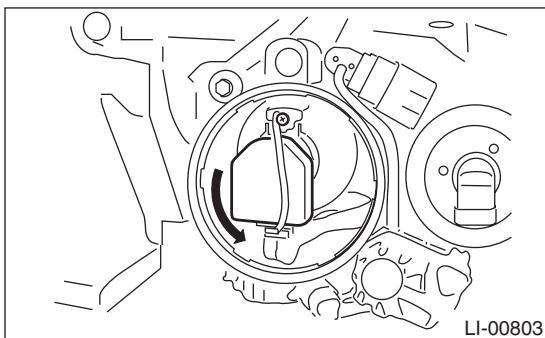
CAUTION:

- 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.

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

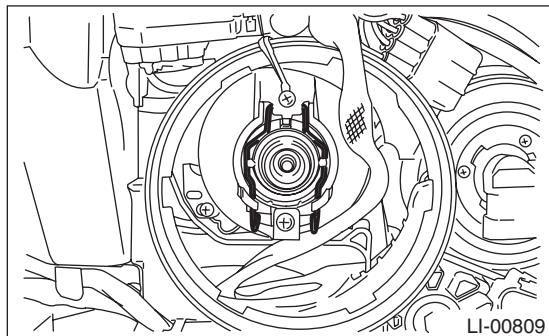


- Disconnect the bulb connector.



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.