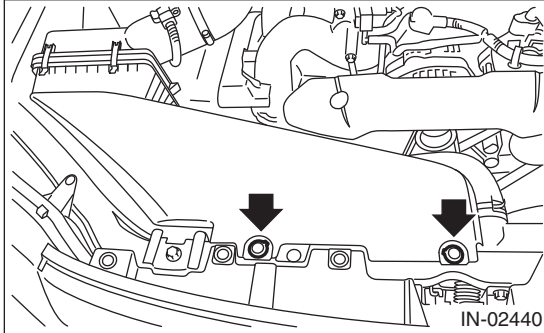


12.Headlight Assembly

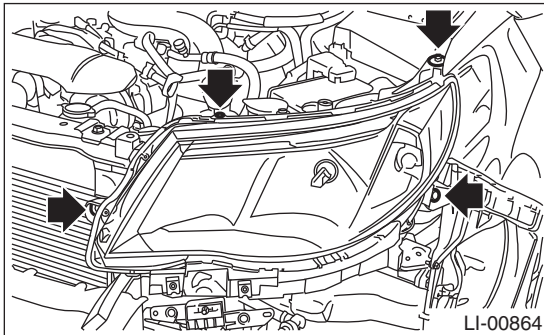
A: REMOVAL

CAUTION:

- Do not work with wet hands.
 - Because the lighting circuit on the HID headlights uses high voltage, be sure to confirm that the power supply is turned off before operation.
- 1) Disconnect the ground cable from the battery.
 - 2) Remove the air intake duct (rear). (When removing the headlight RH).



- 3) Remove the front bumper. <Ref. to EI-28, REMOVAL, Front Bumper.>
- 4) Disconnect harness connectors.
- 5) Remove the three bolts, disengage the clip, then detach the headlight assembly.



B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

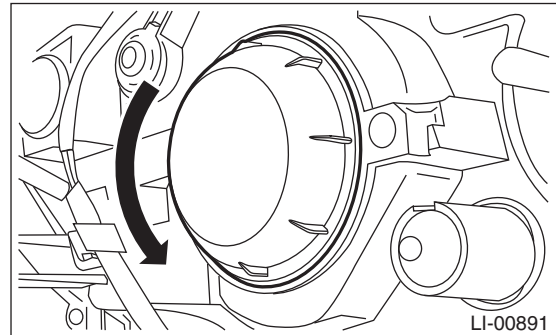
C: DISASSEMBLY

1. HID HEADLIGHT BALLAST

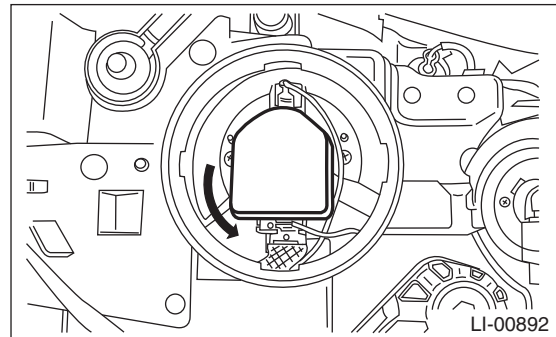
CAUTION:

- Do not work with wet hands.
- Because the lighting circuit on the HID headlights uses high voltage, be sure to confirm that the power supply is turned off before operation.
- Do not leave the headlight without a ballast for extended periods of time. Dust, moisture, etc. entering the headlight may affect its performance.

- 1) Disconnect the ground cable from the battery.
- 2) Remove the headlight assembly. <Ref. to LI-17, REMOVAL, Headlight Assembly.>
- 3) Remove the back cover.



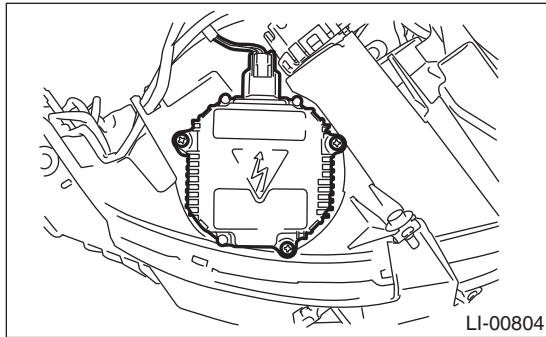
- 4) Disconnect the harness connector.



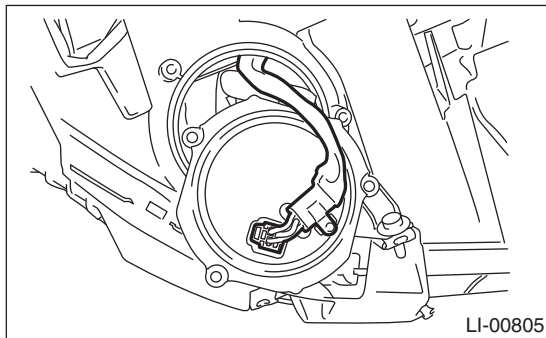
Headlight Assembly

LIGHTING SYSTEM

5) Disconnect the harness connector, loosen the screws, and remove the headlight ballast.



6) Disconnect the connector from the headlight ballast.



D: ASSEMBLY

1. HID HEADLIGHT BALLAST

Install in the reverse order of removal.

Tightening torque:

1.3 N·m (0.13 kgf-m, 0.96 ft-lb)

CAUTION:

- When installing the ballast cover, be sure to install the gasket.
- After installing the ballast to the vehicle, be sure to perform beam adjustment

NOTE:

Adjust the projector lens to near the center of the extension opening before installing the ballast. This makes the beam adjustment work easier.

E: ADJUSTMENT

1. HEADLIGHT BEAM ADJUSTMENT

CAUTION:

Turn off the light before adjusting the headlight beam level. If it is necessary to inspect the beam level, do not keep the light on for two minutes or more.

NOTE:

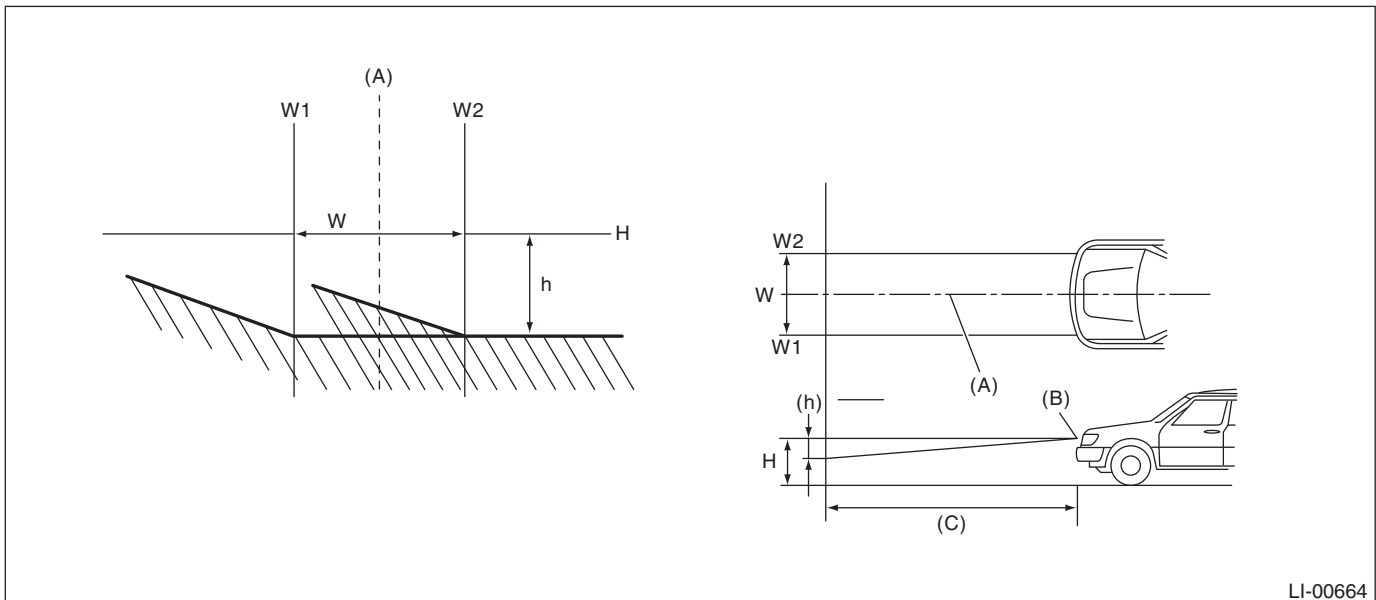
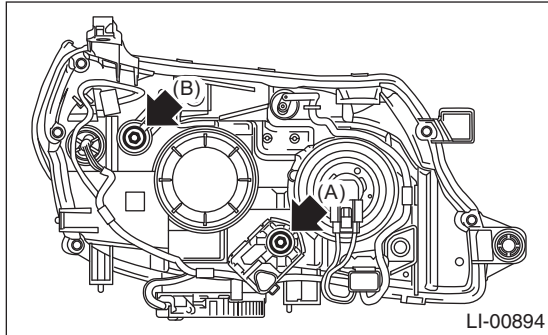
Before checking the headlight beam level, be sure of the following:

- Check the area around the headlight for any scratches, damage or other types of deformation.
 - Make sure that the vehicle is parked on a level surface.
 - Make sure that the inflation pressure of tires are correct.
 - Make sure that the vehicle fuel tank is full.
- 1) Bounce the vehicle two to three times to normalize the suspension.
 - 2) Make certain that someone is seated in the driver's seat.
 - 3) Measure the distance between the low beam bulb centers, and the height of the bulb center.

4) Turn the headlights on and then adjust the low beam pattern.

NOTE:

- First adjust the vertical beam level (A), then the horizontal beam level (B).



(A) Vehicle center

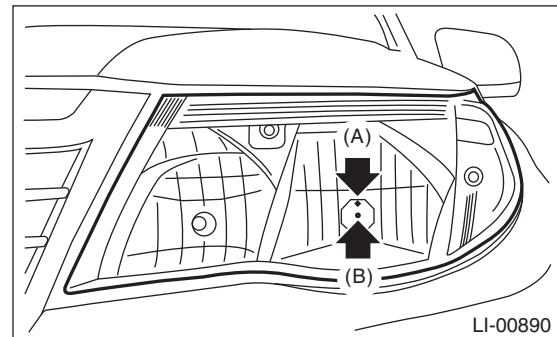
(B) Bulb center marking

(C) 3 m (10 ft)

W mm (in)	h mm (in) when C is 3 m (10 ft)
1,210 (47.64)	30 (1.19)

CAUTION:

Check the bulb center mark on the inner side of the lens since the low beam bulb center will differ according to bulb shape.



(A) HID type

(B) Halogen type