ADJUSTMENT

1. ADJUST HEADLIGHT AIM ONLY

HINT:
- Perform the headlight aiming adjustment with Low beam.
- Since the Low–beam light or High–beam light is a unit, if either aiming of them is proper, the other should also be proper. However, check the both beams just to make sure.

(a) Prepare vehicle in the following conditions.
- Any damages or deformations does not exist around the headlight.
- Fuel is full.
- Tire inflation pressure is in the specified level.
- The vehicle is parked at the level surface.
- A person with standard weight sit on the driver seat.
- The vehicle is bounced up and down to stabilize the suspension to the normal position.

(b) Prepare a thick white paper (Draw a based line).

HINT:
- Stand the paper perpendicular.
- The based line differs in "Low–beam inspection" and "High–beam inspection".

(1) H line (Headlight height)
   For the vehicle, when checking the height from the ground to the center mark of Low–beam (or High–beam), draw a horizontal line A–B at the height of Low–beam (or High–beam).

(2) V LH line, V RH line (Center mark position of right and left head lamp)
   Draw a V LH line and V RH line in the width of the center mark of the right and left Low–beam (when checking High–beam, draw a V LH line and V RH line in the width of the center mark of the right and left Hi–beam).

(3) V line (Vehicle Center position)
   At the middle of the V LH line and V RH line, draw a line to align the center of the paper with that of the vehicle.
(c) Check the headlight aiming.
(1) Align the paper with the vehicle position.
   - Make a distance of 3 m (9.84 ft) between the headlamp and the paper, and put the paper on the wall with the H line being at the height of the center mark.
   - Align the center line of the vehicle with the V line on the paper, and make the center line of the vehicle and the paper 90 degrees.
(2) Start the engine of the vehicle with air suspension.
(3) Turn the headlight on and check that the aiming is between the specified value.

HINT:
When checking the aiming of the High−beam, shut off the Low−beam or disconnect the Low−beam head lamp connector so that the Low−beam does not interrupt.

(d) Unlock the headlight aiming cap as shown in the illustration.

(e) When adjusting the aiming in the vertical direction.
(1) Using adjusting bolt A, adjust the headlight aim to the specified range.

HINT:
Turning a screwdriver clockwise makes the optical axis aim downward and turning it counter clockwise makes it upward.

(f) When adjusting the aiming in the horizontal direction.
(1) Using adjusting bolt B, adjust the headlight aim to the specified range.