Headlight Aiming

Figure 1 Aerodynamic Headlights

Subaru models equipped with aerodynamic headlights require no special fixtures for headlight alignment. Each headlight is equipped with a built-in headlight aiming mechanism. The following sequence demonstrates the correct technique for adjusting the headlights on a Subaru Legacy equipped with aerodynamic headlights.

• Turn off the headlight before adjusting headlight aiming **(Figure 1)**. If the light is necessary to check aiming, do not turn on the headlights for more than two minutes.

Figure 2 Check Tire Pressure

• Inspect the area around the headlight for any damage. If the vehicle has been involved in an accident, it may not be possible to properly adjust the headlights until the damage has been professionally repaired.

• The vehicle must be parked on level ground and all four tires must be properly inflated **(Figure 2)**.

Figure 3
Add Weight To Driver's Seat

• The vehicle's fuel tank must be completely filled.

• Bounce the vehicle several times to normalize the suspension.

• To simulate actual driving conditions, someone should be seated in the driver's seat **(Figure 3)**.

• Locate the vertical aim adjusting screw **(Figure 4)**. This adjustment must be made before the horizontal adjustment.

• Look at the beam angle gauge for vertical movement on top of the headlight assembly **(Figure 5)**. The bubble on the gauge should not deviate from the center of the gauge. If adjustment is required, turn the vertical aim adjusting screw.

• Look at the beam angle gauge for horizontal movement **(Figure 6)**. The center mark (red line on the inner scale) should not deviate from the black line on the outer case. If adjustment is required, turn the adjustment screw at the rear of the beam angle gauge.

• Recheck the vertical beam angle gauge. If the headlamp has moved and further adjustment is required, turn the vertical aim adjusting screw.

• Recheck the horizontal beam adjustment and adjust if necessary.

Figure 4 Vertical Aim Adjusting Screw

Figure 5 Vertical Movement Beam Angle Gauge

Figure 6 Horizontal Movement
Beam Angle Guide