

9. Rear Shock Absorber

A: REMOVAL

- 1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

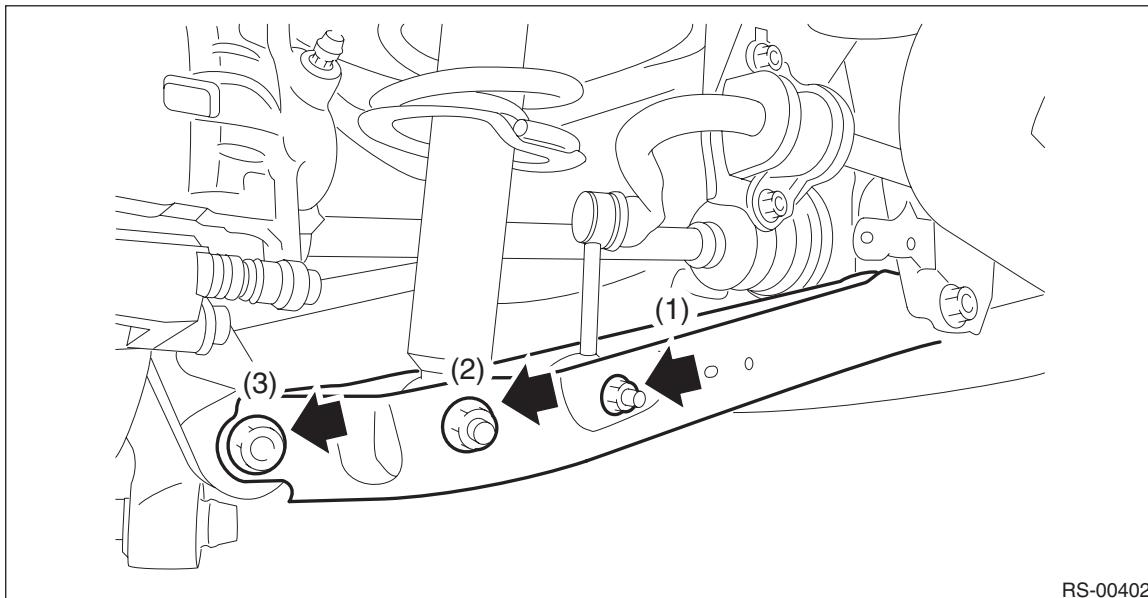
For models other than STI model, disconnect the ground terminal from battery sensor.

- 2) Lift up the vehicle, and then remove the rear wheels.

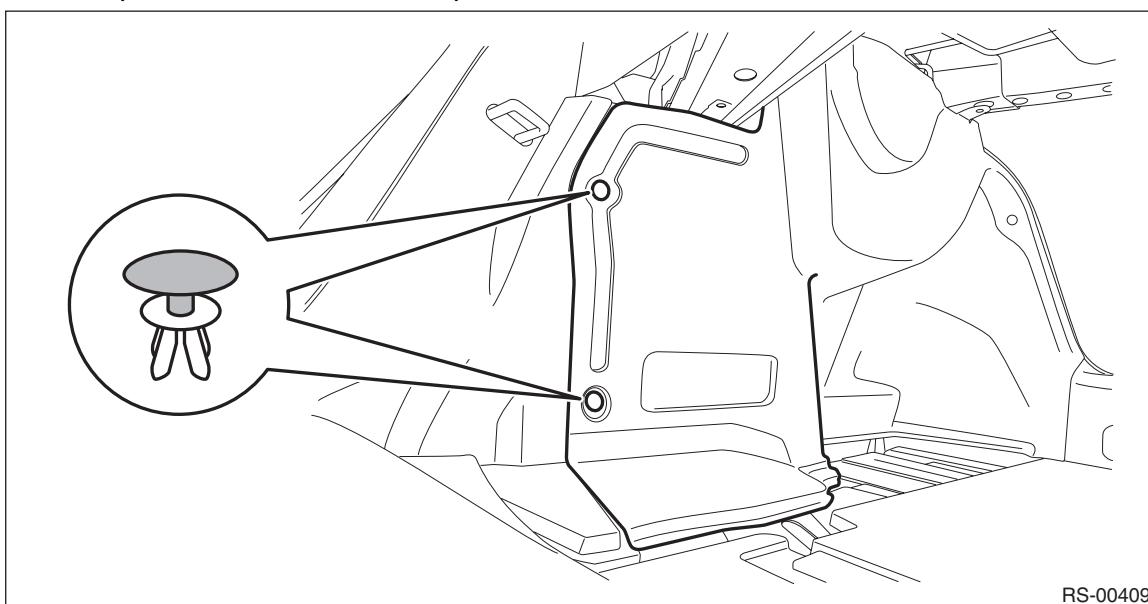
- 3) Remove the sensor assembly - headlight beam leveler. (Model with auto headlight beam leveler) <Ref. to LI-74, REMOVAL, Rear Height Sensor.>

- 4) Remove the bolts and nuts, and lower the lateral link assembly - rear.

- (1) Remove the nut and disconnect the rear stabilizer link assembly.
- (2) Remove the bolts from the lower side of rear shock absorber assembly.
- (3) Disconnect the housing assembly - rear axle from the lateral link assembly - rear.



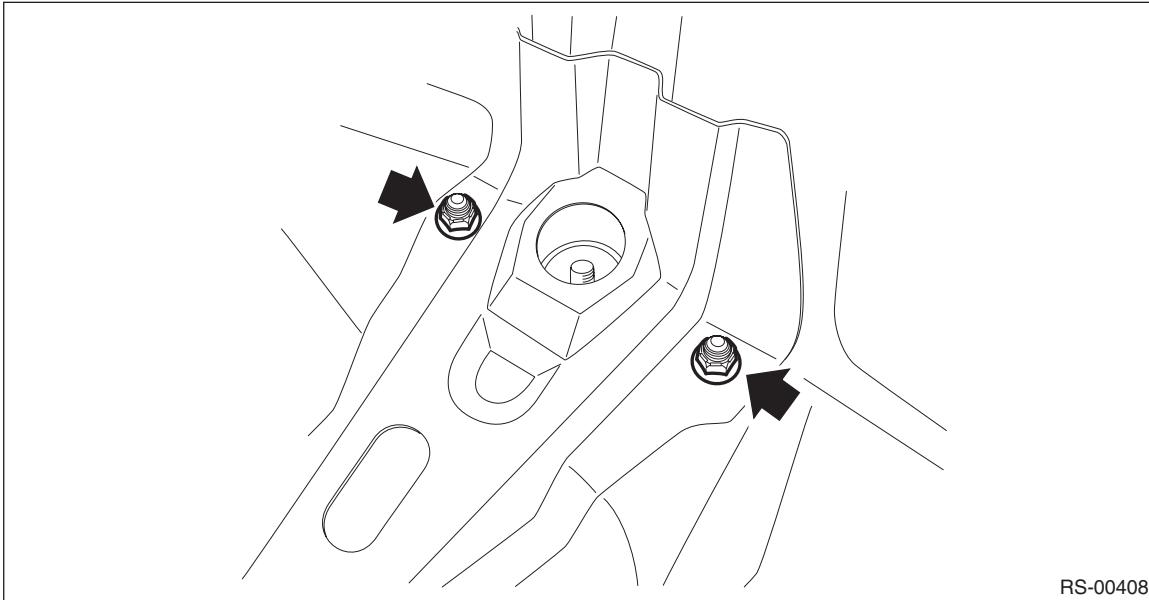
- 5) Take out the trunk mat.
- 6) Tilt the rear seat backrest forward.
- 7) Remove the clips, and turn over the trim panel - trunk side.



Rear Shock Absorber

REAR SUSPENSION

- 8) Remove the nuts on the upper side of rear shock absorber assembly.



- 9) Lower the lateral link assembly - rear, and remove the rear shock absorber assembly.

B: INSTALLATION

CAUTION:

- For parts which are not reusable, always use new parts.
- Always tighten the bushing in the state where the vehicle is at curb weight and the wheels are in full contact with the ground.

- 1) Install the rear shock absorber assembly.

- (1) Lower the lateral link assembly - rear, and place the rear shock absorber assembly inside.
- (2) Lower the lateral link assembly - rear, and install the upper side of rear shock absorber assembly.

Tightening torque:

30 N·m (3.1 kgf·m, 22.1 ft-lb)

- (3) Install the bolts on the lower side of rear shock absorber assembly.

Tightening torque:

85 N·m (8.7 kgf·m, 62.7 ft-lb)

- (4) Install the lateral link assembly - rear and the stabilizer link assembly.

Tightening torque:

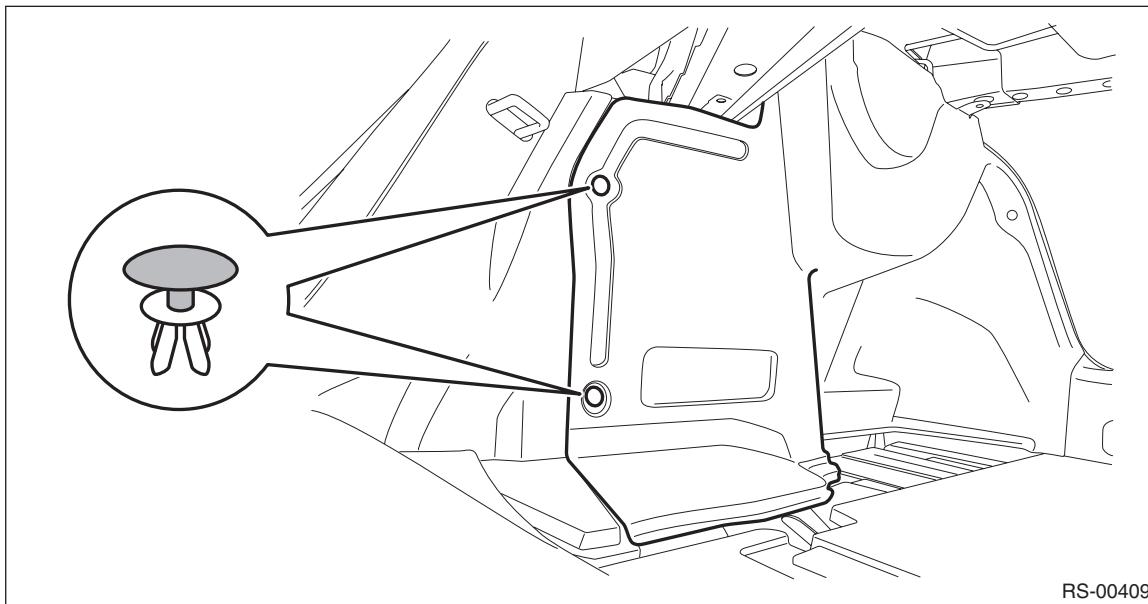
Refer to “COMPONENT” of “General Description” for the tightening torque. <Ref. to RS-3, COMPONENT, General Description.>

- (5) Install the sensor assembly - headlight beam leveler. (Model with auto headlight beam leveler)

Tightening torque:

7.5 N·m (0.8 kgf·m, 5.5 ft-lb)

2) Install the clips, and install the trim panel - trunk side.



3) Install the trunk mat, and return the rear seat backrest to the lock position.

4) Install the rear wheels and lower the vehicle.

Tightening torque:

120 N·m (12.2 kgf·m, 88.5 ft-lb)

5) Inspect the wheel alignment and adjust if necessary.

- Inspection: <Ref. to FS-10, INSPECTION, Wheel Alignment.>
- Adjustment: <Ref. to FS-15, ADJUSTMENT, Wheel Alignment.>

CAUTION:

When the wheel alignment has been adjusted, perform “VDC sensor midpoint setting mode” of the VDC. <Ref. to VDC-16, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

6) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For models other than STI model, connect the ground terminal to battery sensor.

7) Perform reinitialization of the auto headlight beam leveler system. (Model with auto headlight beam leveler) <Ref. to LI-17, REINITIALIZATION, PROCEDURE, Auto Headlight Beam Leveler System.>

C: DISASSEMBLY

Refer to "Front Strut" in "FRONT SUSPENSION" section for disassembly. <Ref. to FS-46, DISASSEMBLY, Front Strut.>

D: ASSEMBLY

Refer to "Front Strut" in "FRONT SUSPENSION" section for assembly. <Ref. to FS-47, ASSEMBLY, Front Strut.>

E: INSPECTION

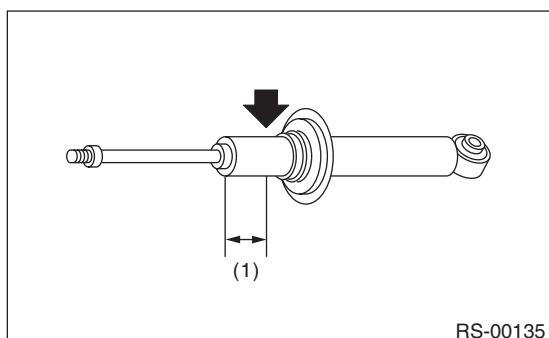
Refer to "Front Strut" in "FRONT SUSPENSION" section for inspection procedures. <Ref. to FS-49, INSPECTION, Front Strut.>

F: DISPOSAL

CAUTION:

- Before discarding the strut COMPL and the shock absorber COMPL, be sure to wear goggles to protect eyes from gas, oil and cutting powder.
- Do not disassemble the strut COMPL and the shock absorber COMPL or throw them into flames.
- When discarding the strut COMPL and the shock absorber COMPL filled with gas, drill a hole on them to purge the gas.

- 1) Place the shock absorber on a level surface with the piston rod fully expanded.
- 2) Make a hole into the specified position 30 mm (1.18 in) deep using a drill with 2 — 3 mm (0.08 — 0.12 in) diameter.



RS-00135

(1) 40 mm (1.57 in)