

9. Rear Shock Absorber

A: REMOVAL

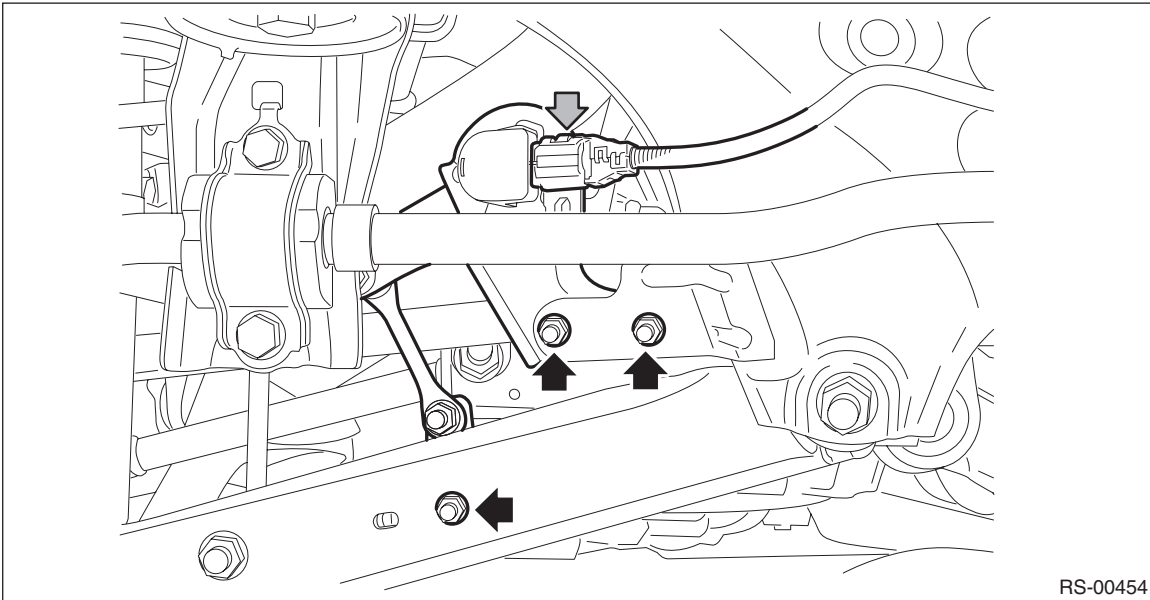
1. 4 DOOR MODEL

- 1) Disconnect the ground cable from battery.
- 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, left side only)

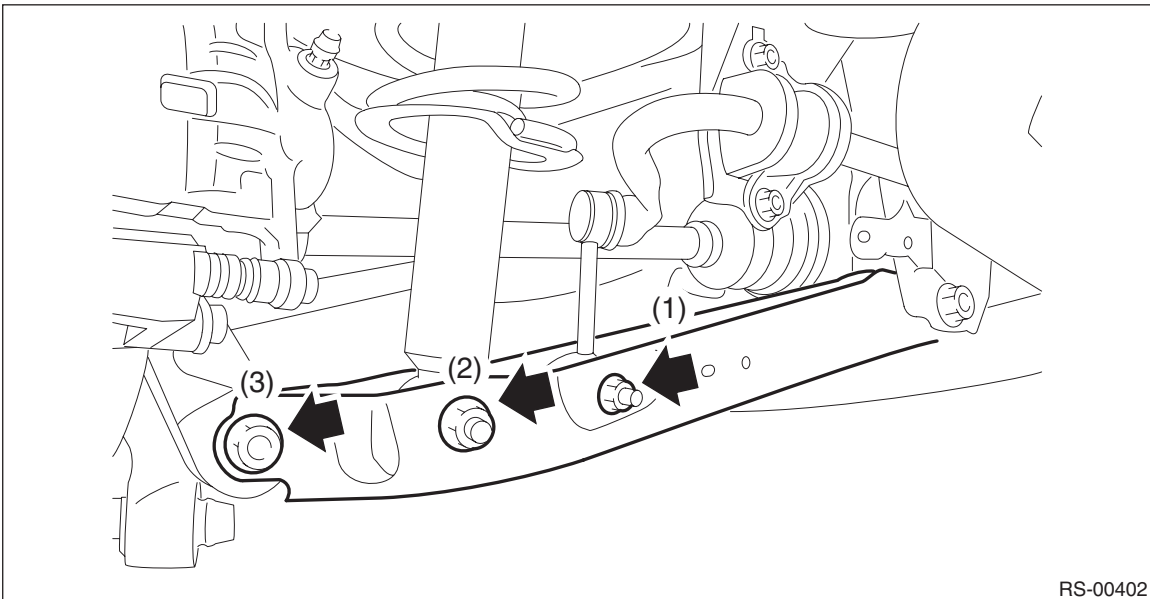
CAUTION:

Do not apply impact to the sensor assembly - headlight beam leveler or forcibly move the arm. Doing so may cause sensor damage and malfunction.

- (1) Disconnect the connector of the sensor assembly - headlight beam leveler.
- (2) Remove the nuts, and remove the sensor assembly - headlight beam leveler.



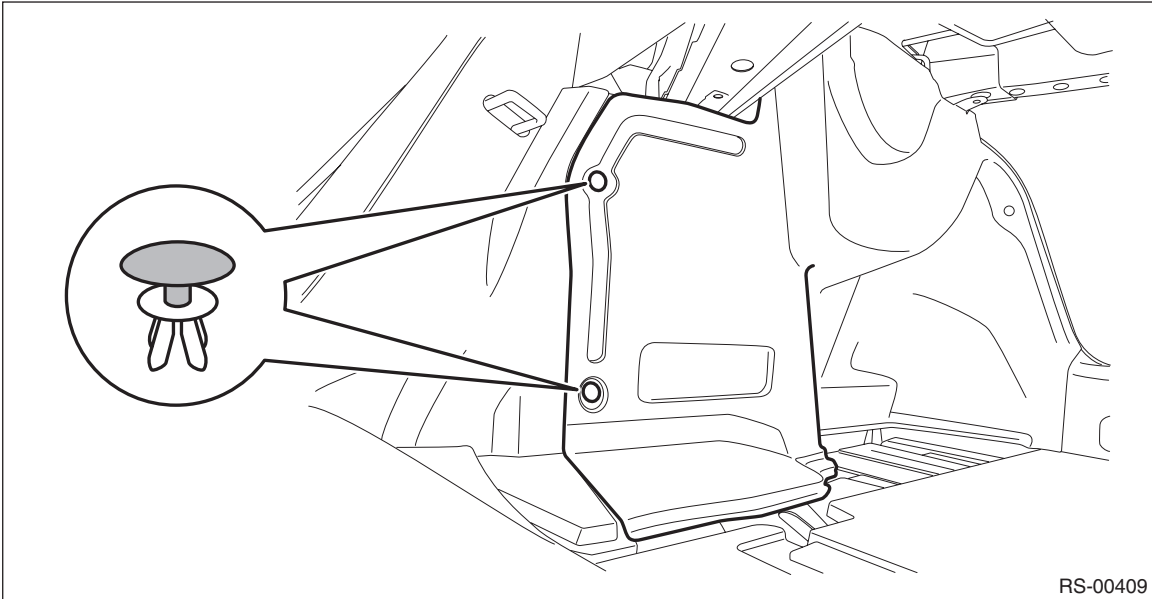
- 4) Remove the bolts and nuts, and lower the lateral link assembly - rear.
 - (1) Remove the nut and disconnect the rear stabilizer link assembly. (Model with rear stabilizer)
 - (2) Remove the bolts at the bottom of rear strut assembly.
 - (3) Disconnect the housing assembly - rear axle from the lateral link assembly - rear.



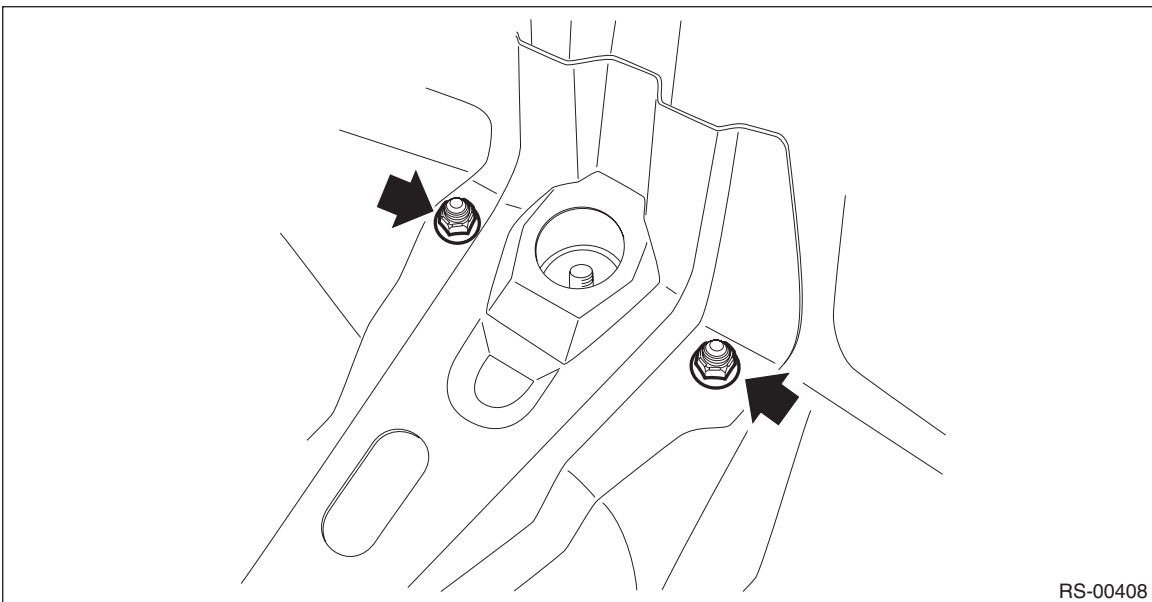
Rear Shock Absorber

REAR SUSPENSION

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



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



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

2. 5 DOOR MODEL/XV MODEL

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

NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

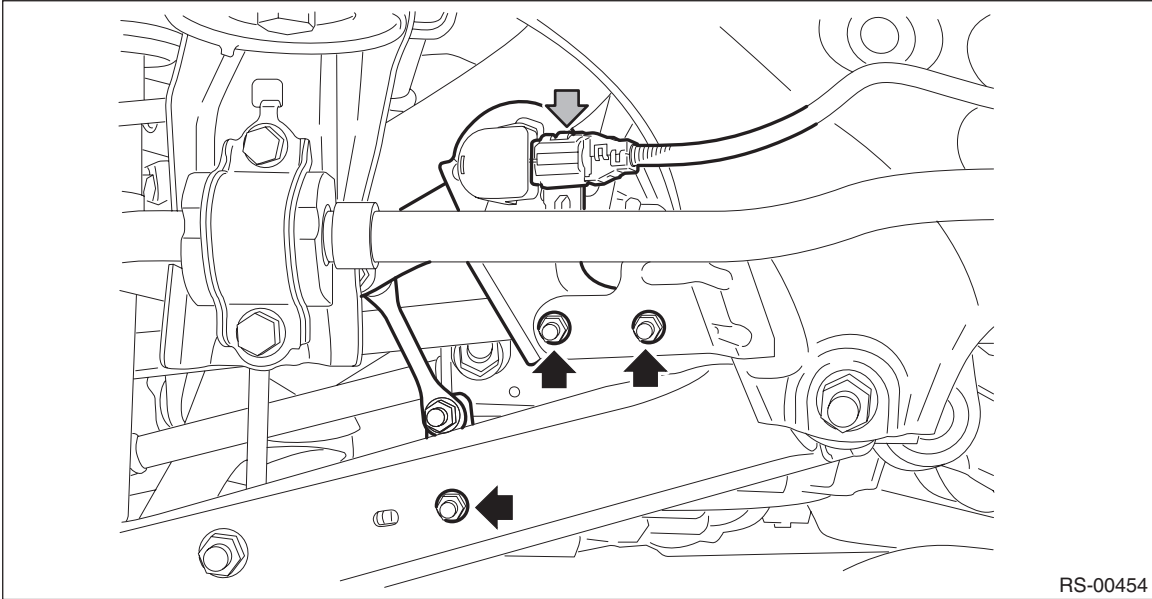
- 2) Lift up the vehicle, and then remove the rear wheels.

3) Remove the sensor assembly - headlight beam leveler. (Model with auto headlight beam leveler, left side only)

CAUTION:

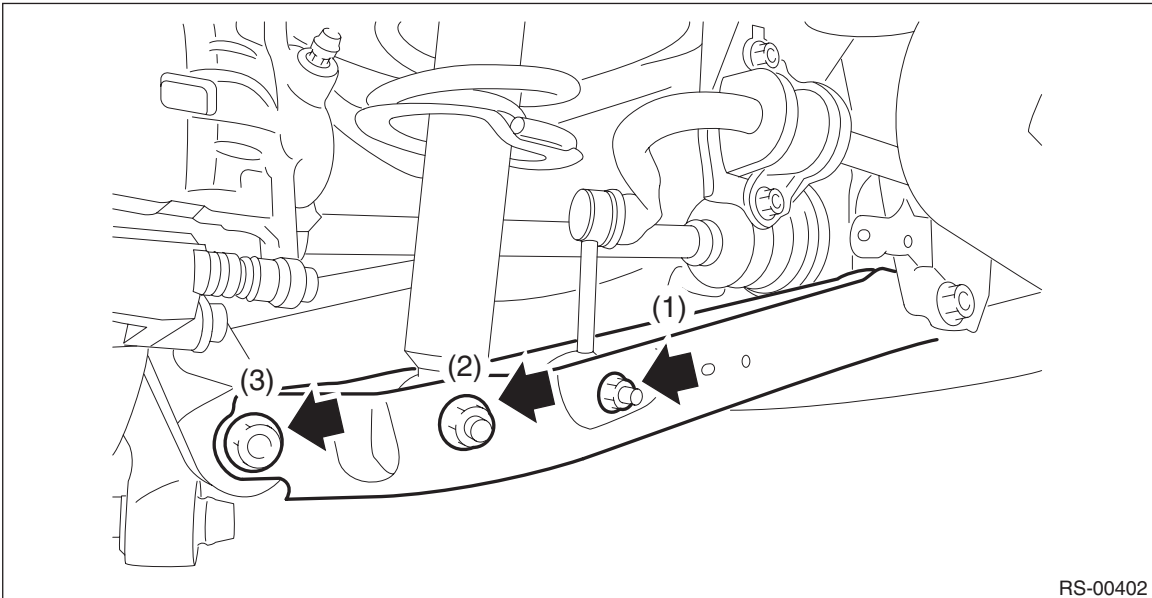
Do not apply impact to the sensor assembly - headlight beam leveler or forcibly move the arm. Doing so may cause sensor damage and malfunction.

- (1) Disconnect the connector of the sensor assembly - headlight beam leveler.
- (2) Remove the nuts, and remove the sensor assembly - headlight beam leveler.



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

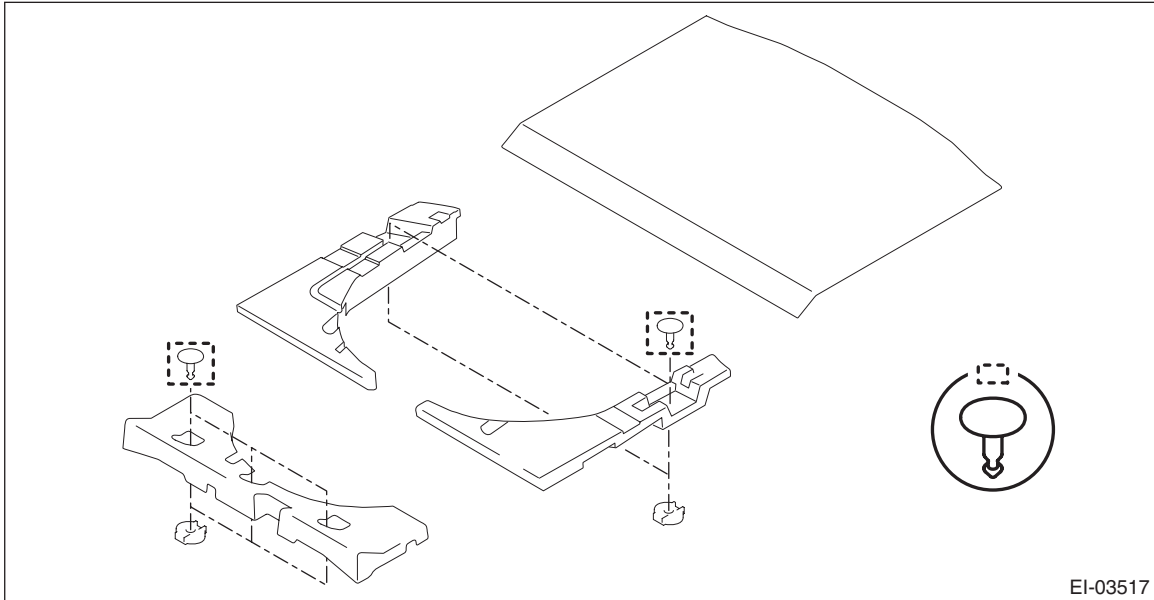
- (1) Remove the nut and disconnect the rear stabilizer link assembly. (Model with rear stabilizer)
- (2) Remove the bolts at the bottom of rear strut assembly.
- (3) Disconnect the housing assembly - rear axle from the lateral link assembly - rear.



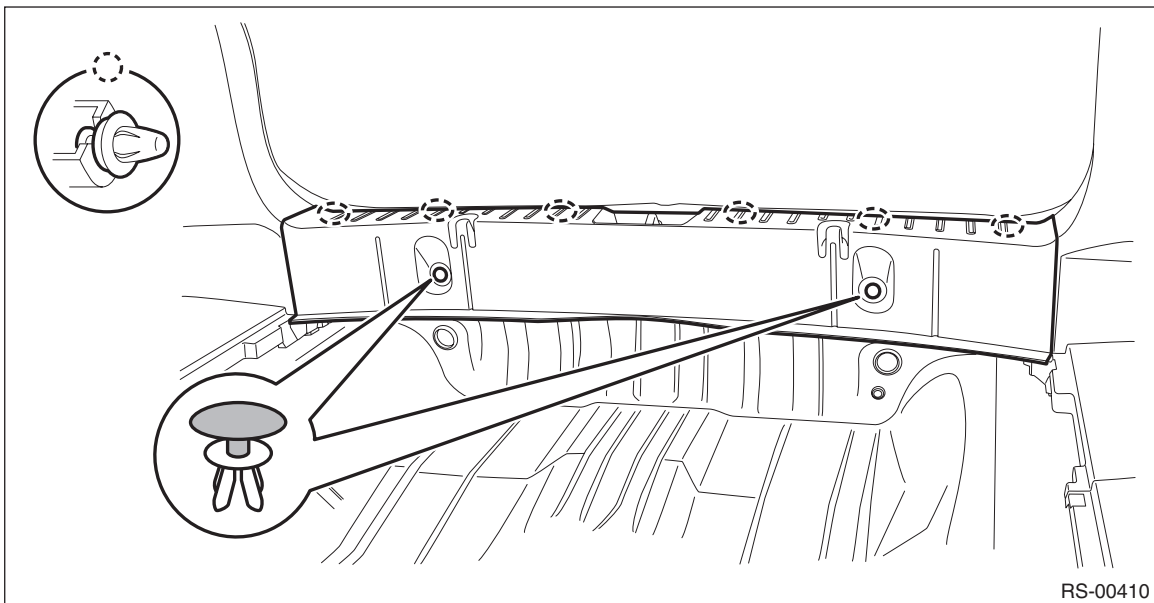
Rear Shock Absorber

REAR SUSPENSION

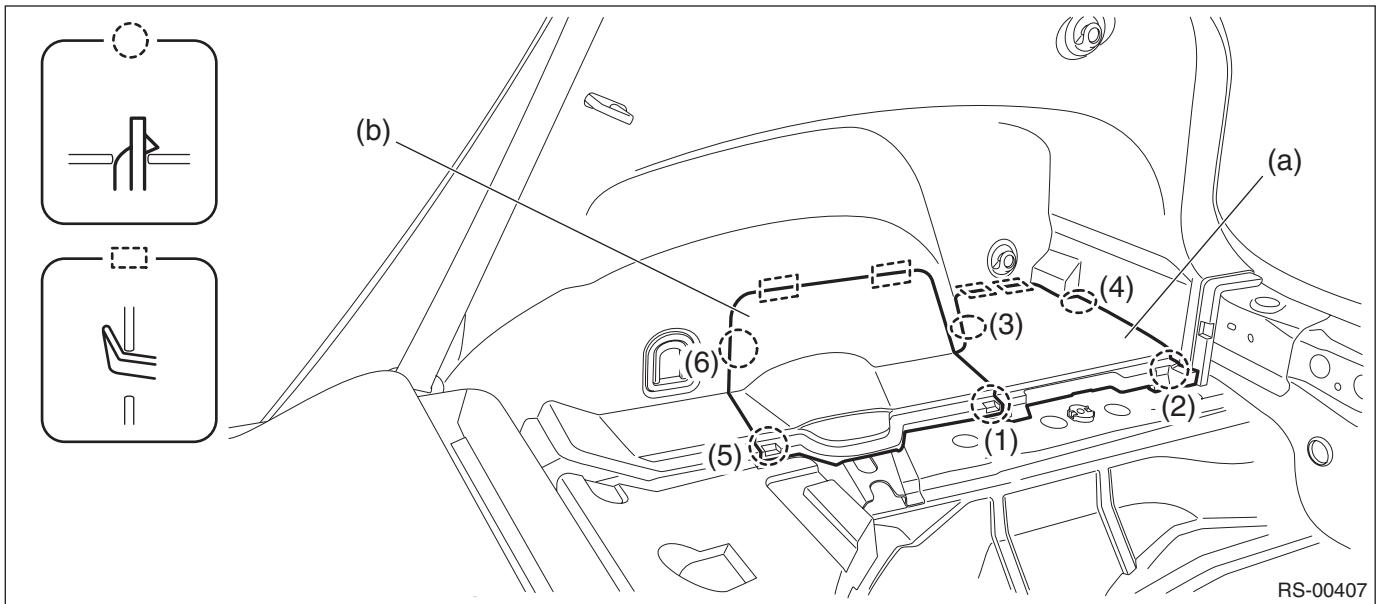
- 5) Remove the mat - rear floor CTR and the spacer - rear floor side. (Gasoline engine model)



- 6) Remove the clips, and remove the trim panel - rear skirt. (Gasoline engine model)

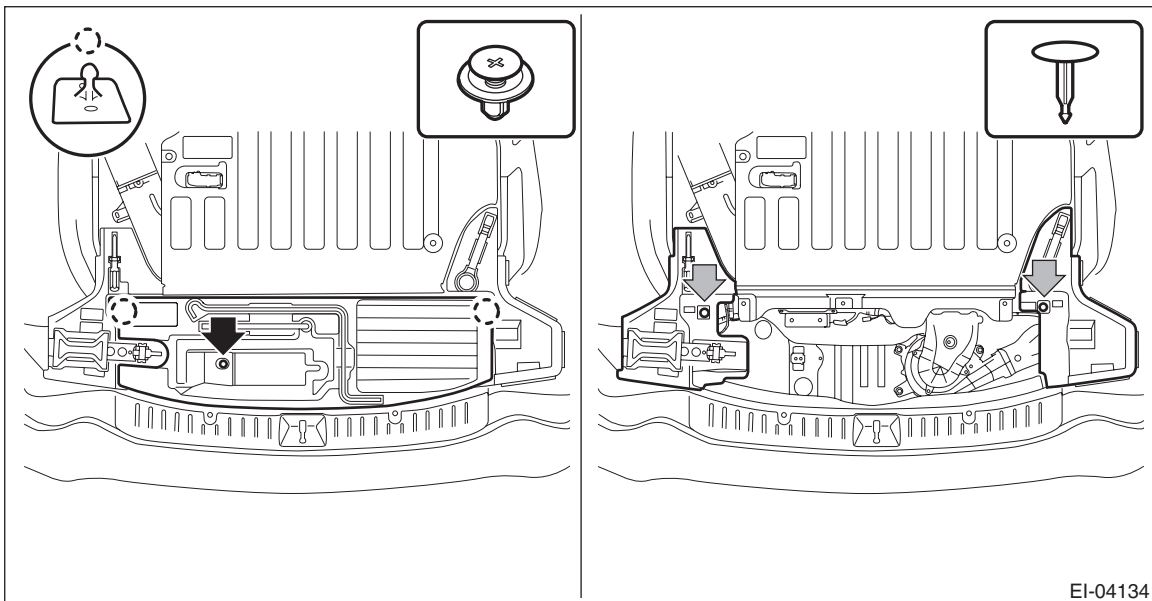


7) Remove the lid upper rear (a) and the cap - rear strut (b) in the order from (1) to (6). (Gasoline engine model)



8) Remove the sub-trunk box and side spacers. (HEV model)

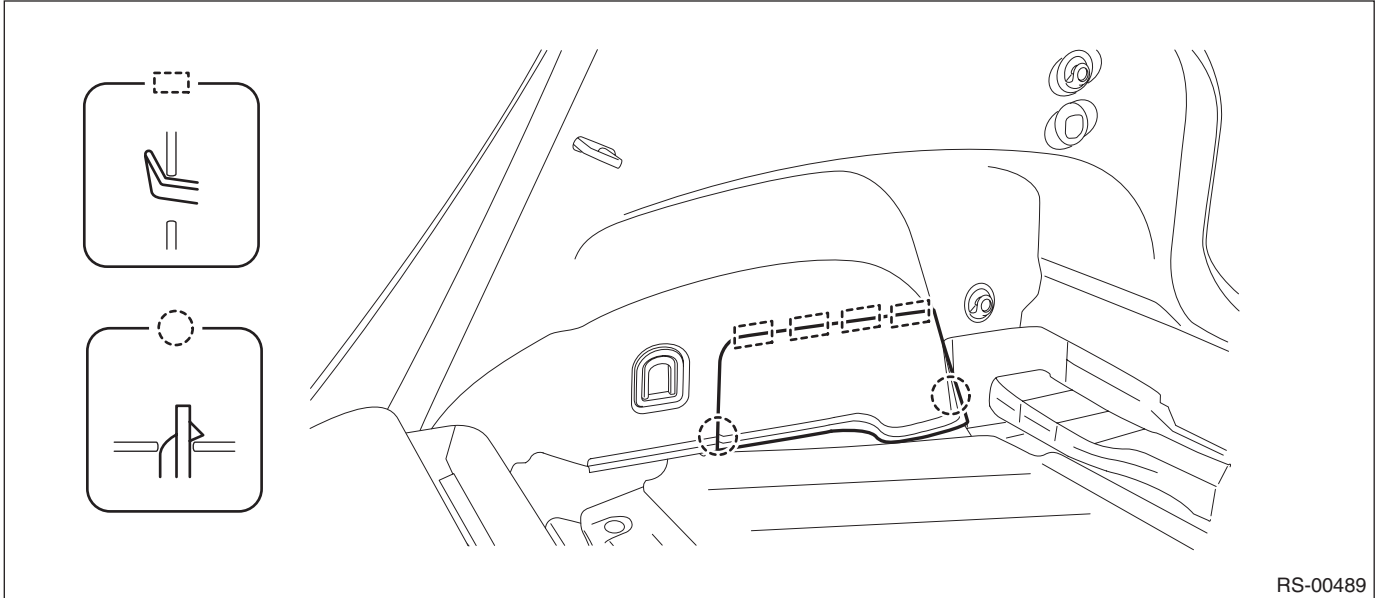
- (1) Release the clips and side spacers, then detach the sub-trunk box.
- (2) Remove the clips and detach the side spacers.



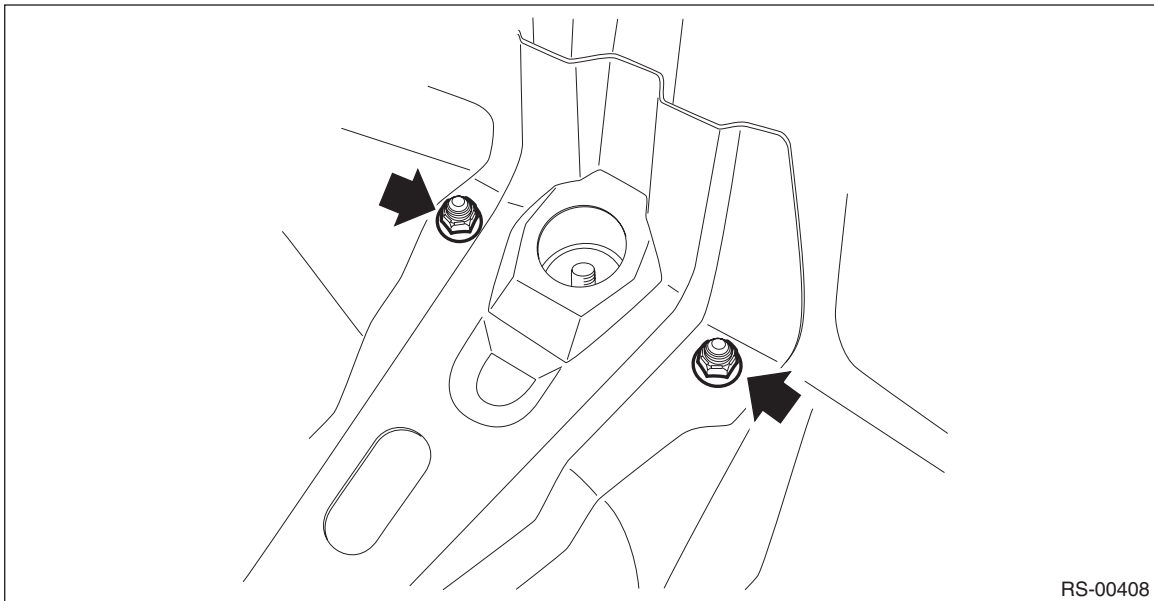
Rear Shock Absorber

REAR SUSPENSION

9) Remove the cap - rear strut. (HEV model)



10) Remove the nuts on the upper side of rear strut assembly.



11) Lower the lateral link assembly - rear, and remove the rear strut assembly.

B: INSTALLATION

CAUTION:

- Use a new flange nut.
- 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 each part in the reverse order of removal.

Tightening torque:

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

2) Install the rear wheels.

Tightening torque:

Except for C4 model: 120 N·m (12.24 kgf-m, 88.5 ft-lb)

C4 model: 100 N·m (10.20 kgf-m, 73.8 ft-lb)

- 3) Inspect the wheel alignment and adjust if necessary.
 - Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.>
 - Adjustment: <Ref. to FS-12, ADJUSTMENT, Wheel Alignment.>

CAUTION:

When the wheel alignment has been adjusted, perform the following VDC setting mode.

- Model without EyeSight: VDC sensor midpoint setting mode <Ref. to VDC-26, VDC SENSOR MID-POINT SETTING MODE (MODELS WITHOUT EyeSight), ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
 - Model with EyeSight: Neutral of Steering Angle Sensor & Lateral G Sensor 0 point setting <Ref. to VDC-26, NEUTRAL OF STEERING ANGLE SENSOR & LATERAL G SENSOR 0 POINT SETTING (MODEL WITH EyeSight), ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
 - Model with EyeSight: Longitudinal G sensor & lateral G sensor 0 point setting <Ref. to VDC-27, LONGITUDINAL G SENSOR & LATERAL G SENSOR 0 POINT SETTING MODE (MODEL WITH EyeSight), ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
- 4) Perform reinitialization of the auto headlight beam leveler system. (Model with auto headlight beam leveler) <Ref. to LI-20, 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-46, ASSEMBLY, Front Strut.>

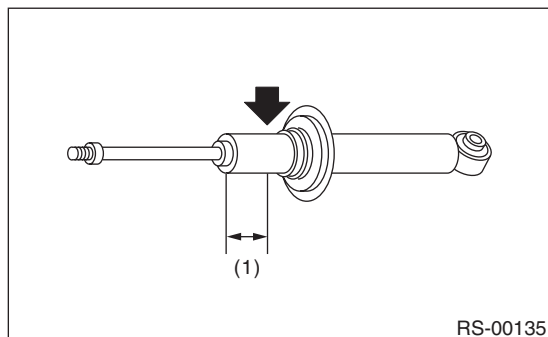
E: INSPECTION

Refer to “Front Strut” in “FRONT SUSPENSION” section for inspection procedures. <Ref. to FS-48, INSPECTION, Front Strut.>

F: DISPOSAL

CAUTION:

- Before discarding the shock absorber, be sure to wear goggles to protect eyes from gas, oil and cutting powder.
 - Do not disassemble the shock absorber or place it into a fire.
 - When discarding gas filled shock absorbers, drill holes in 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.



(1) 40 mm (1.57 in)