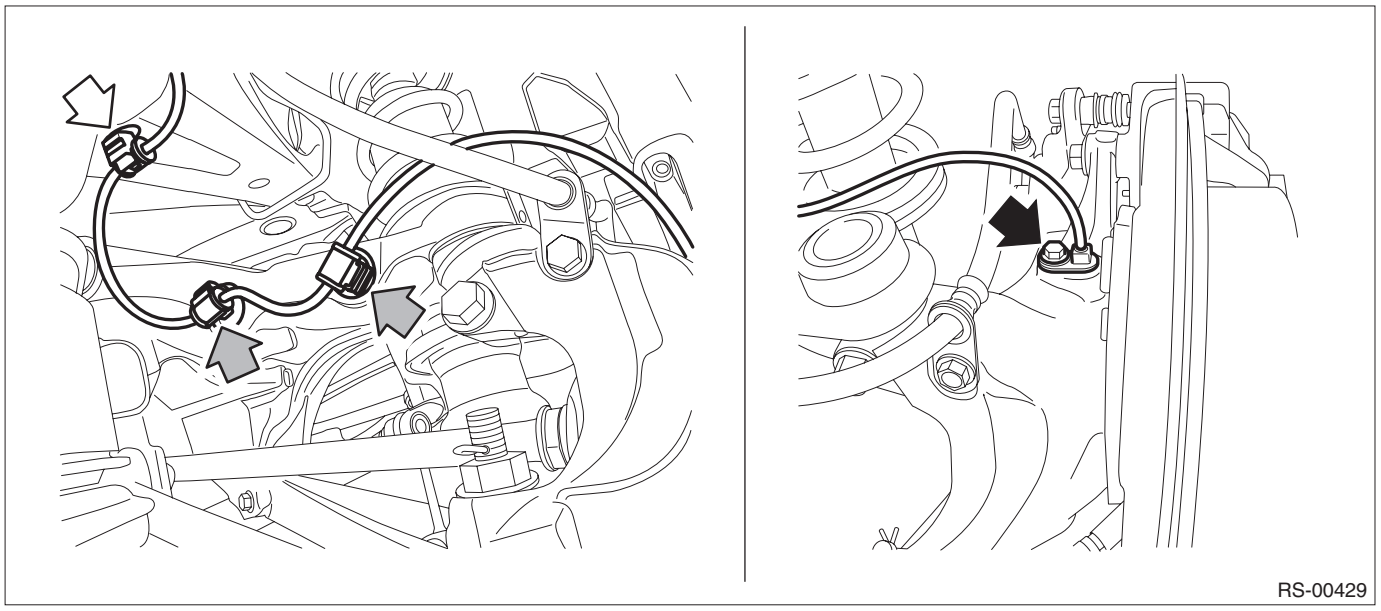
3. Rear Sub Frame

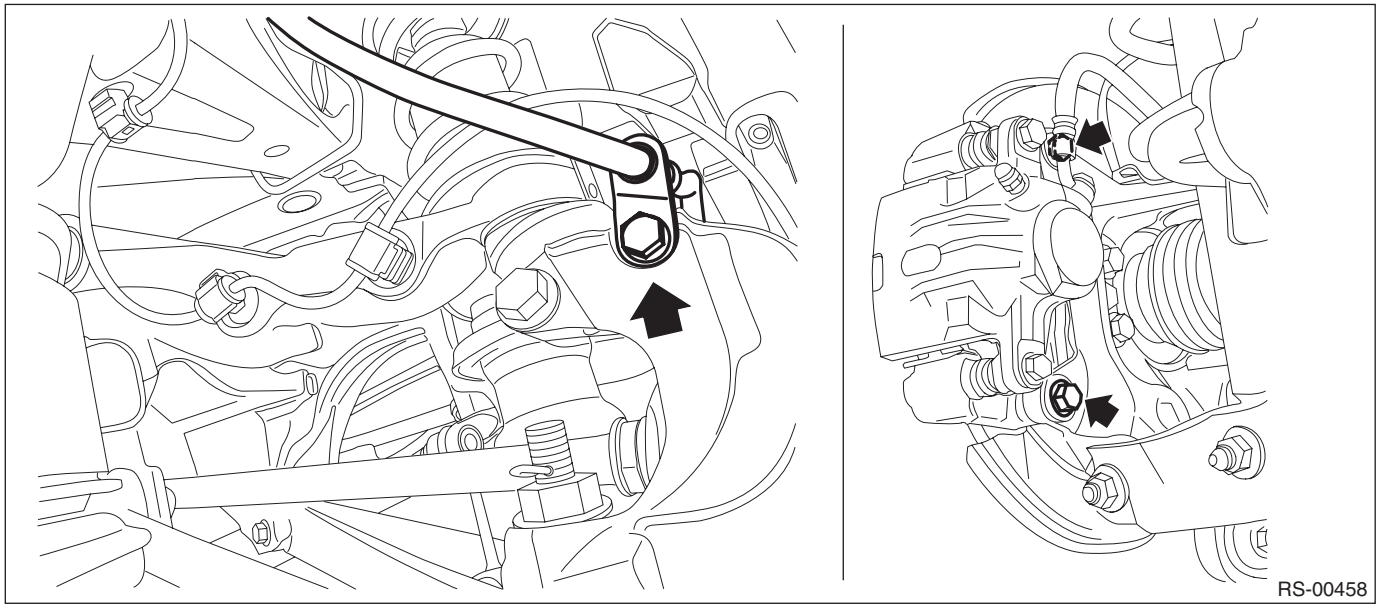
A: REMOVAL

1) Disconnect the ground cable from battery.
2) Lift up the vehicle, and then remove the rear wheels.
3) Remove the propeller shaft assembly. <Ref. to DS-11, REMOVAL, Propeller Shaft.>
4) Remove the rear ABS wheel speed sensor from the housing assembly - rear axle.
   (1) Remove the bolts, and remove the rear ABS wheel speed sensor.
   (2) Remove the rear ABS wheel speed sensor harness from the upper arm assembly.

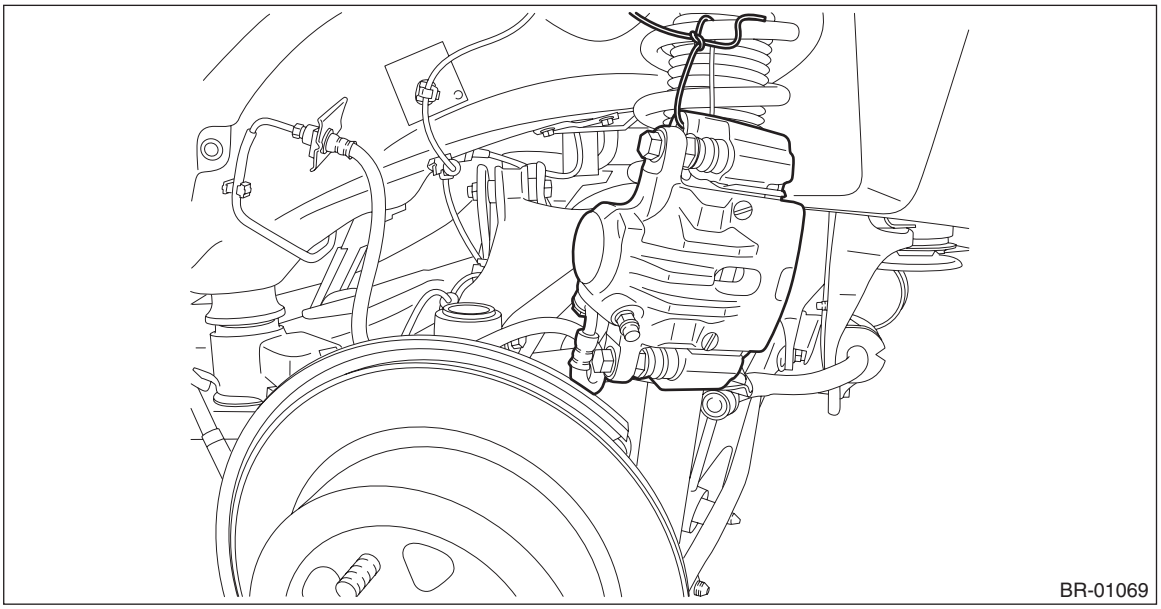
CAUTION:
- **Be careful not to damage the sensor.**
- **Do not apply excessive force to the sensor harness.**


RS-00429

5) Remove the caliper body assembly from the housing assembly - rear axle.
   (1) Remove the bolts and then remove the brake hose bracket and caliper body assembly.


RS-00458

(2) Prepare wiring harnesses etc. to be discarded, and suspend the caliper body assembly from the strut assembly.



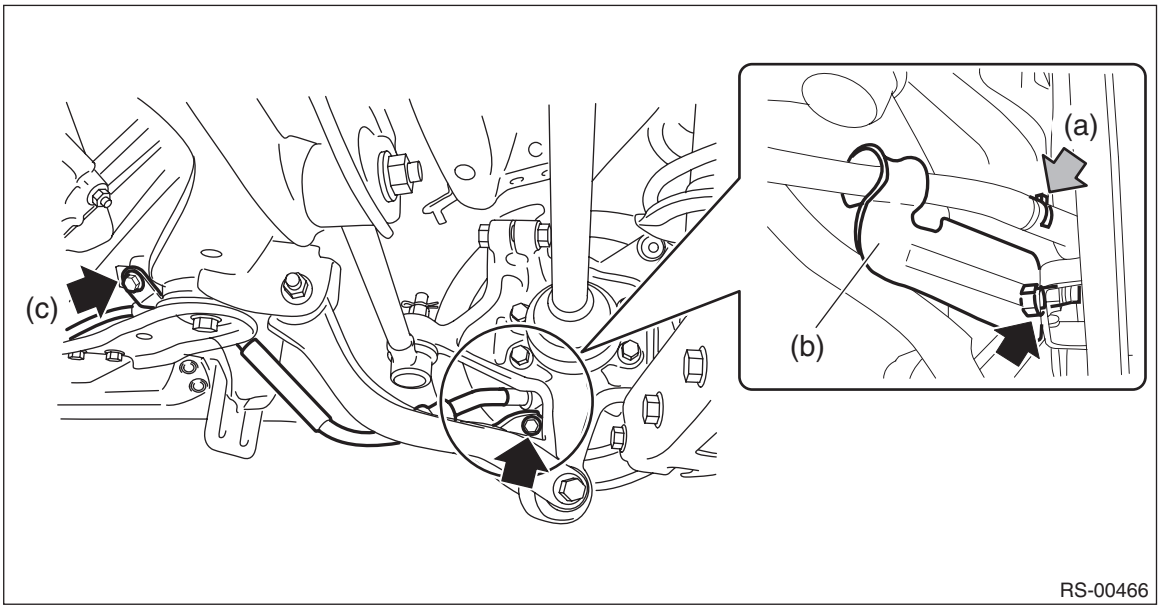
6) Remove the cable assembly - parking brake from the lever section of parking brake shoe. <Ref. to PB-16, REMOVAL, Parking Brake Assembly (Rear Disc Brake).>

7) Remove the rear parking brake cable from the parking brake assembly.

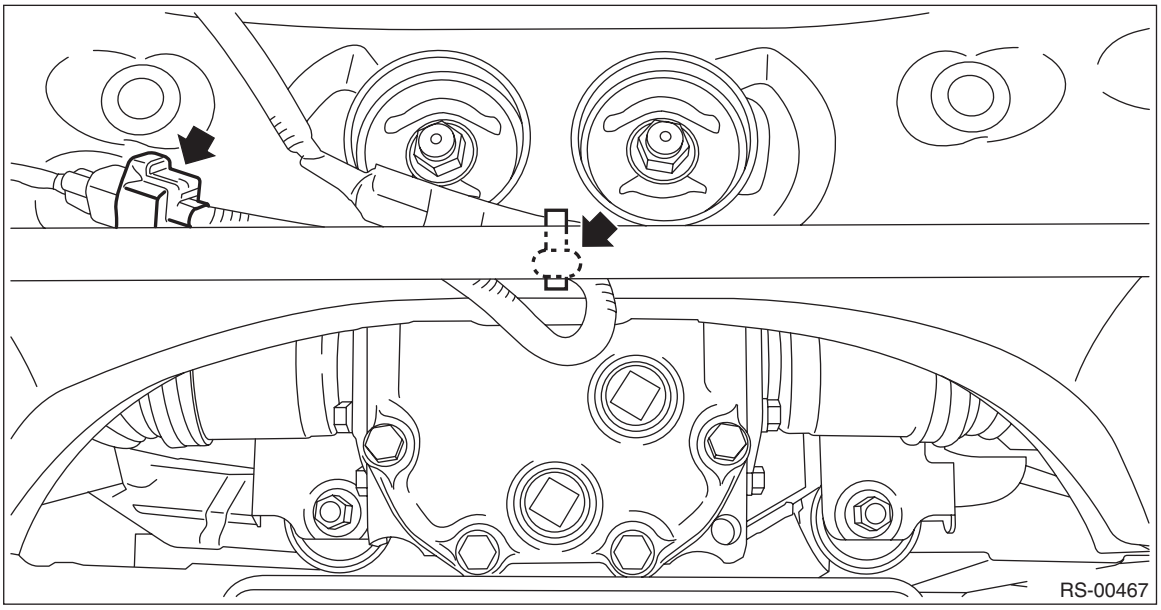
(1) Remove the clamp B - hand brake cable (a) from the rear brake.

(2) Remove the cable clamp (b) from the back plate - rear brake.

(3) Remove the cable clamp (c) and pull out the cable assembly - parking brake.



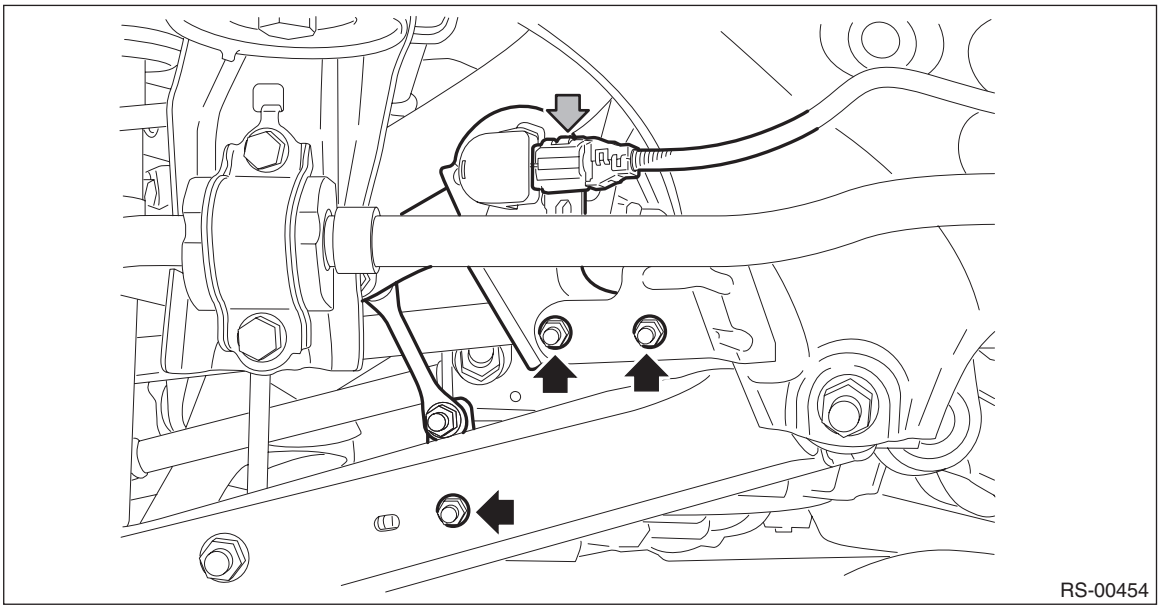
8) Remove the sub rear harness clamp and connector.



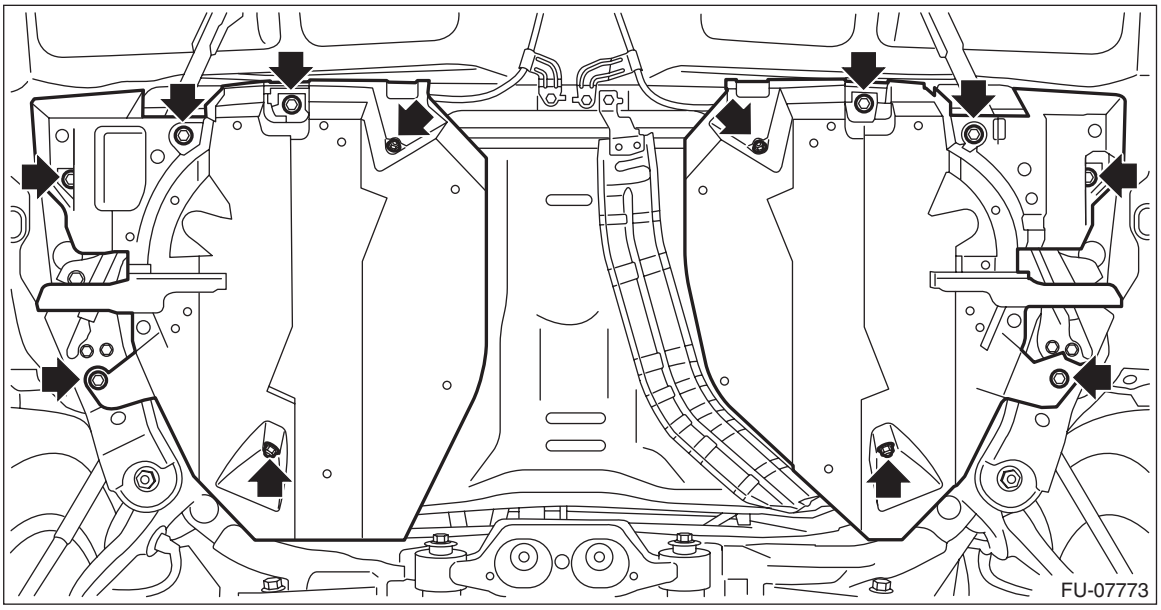
9) Remove the sensor assembly - headlight beam leveler. (Model with auto headlight beam leveler, left side only)

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.

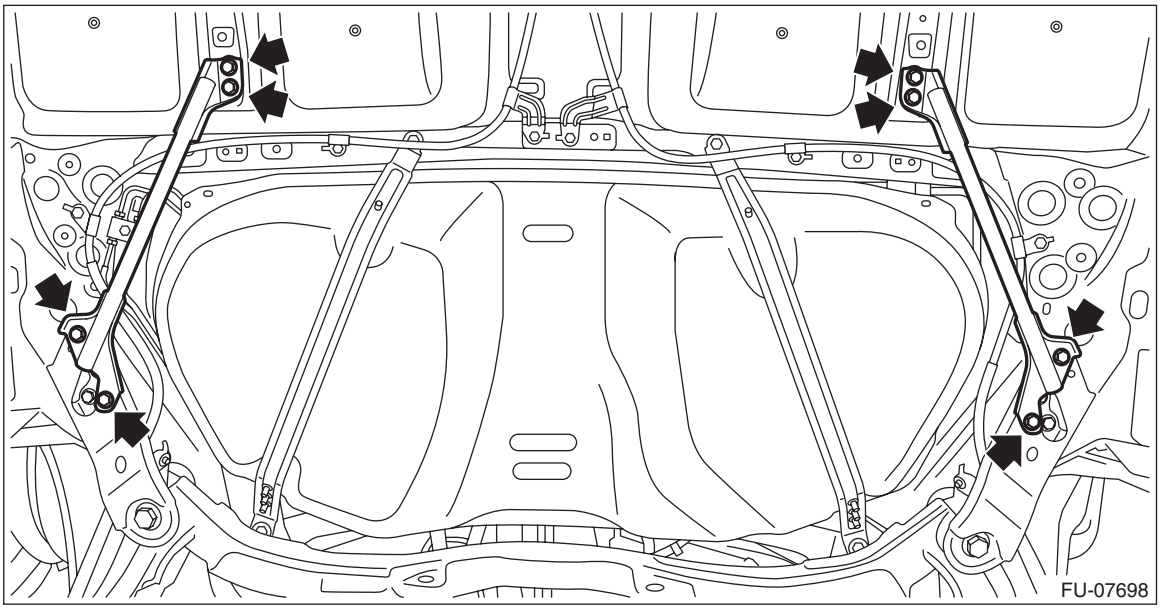
(1) Disconnect the connector of the sensor assembly - headlight beam leveler.
(2) Remove the nuts, and remove the sensor assembly - headlight beam leveler.



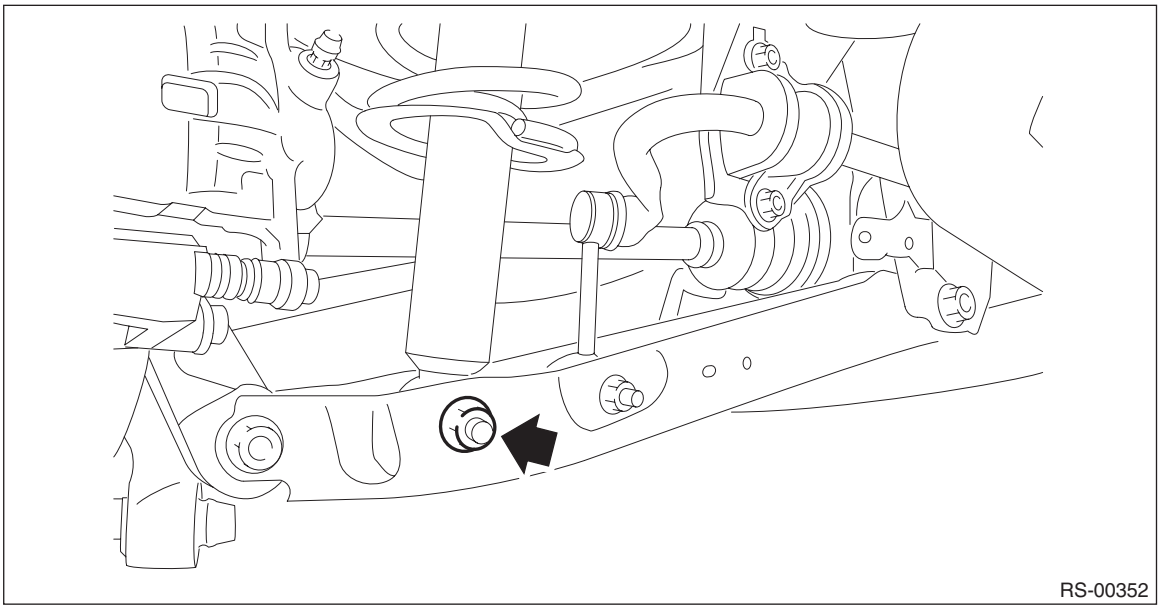
10) Remove the bolt and nuts and remove the fuel tank protector.



11) Remove the rear sub frame assembly.
(1) Remove the bolts, and remove the stay - rear frame COMPL.

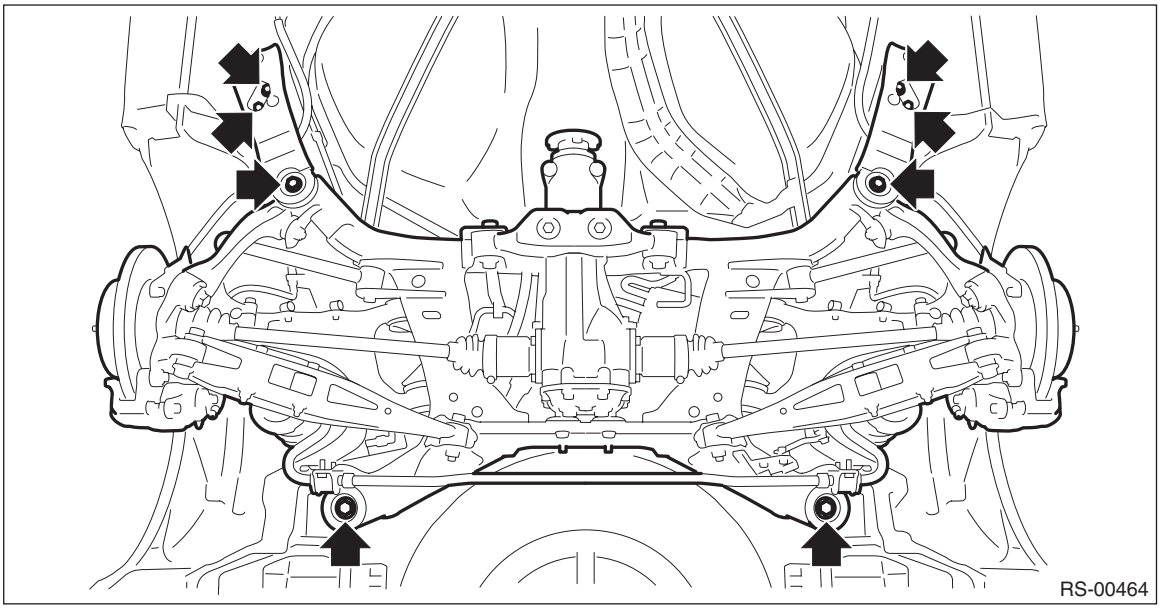


(2) Remove the bolts at the bottom of rear strut assembly.

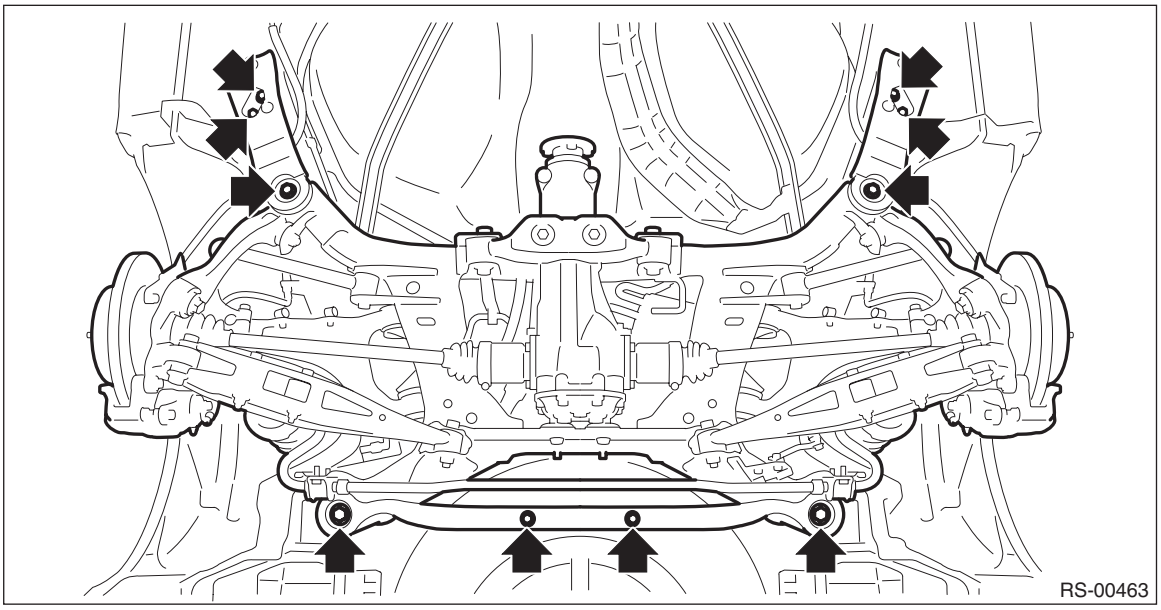


(3) Support the rear sub frame assembly using a transmission jack.
(4) Remove the bolt, and remove the left and right sub frame supports.
(5) Remove the bolts, then remove the rear sub frame assembly.

- Non-turbo model



- Turbo model



12) As necessary, remove each part from the rear sub frame assembly.

B: INSTALLATION

CAUTION:
- **Be sure to use a new self-locking 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.**
- **During the installation, make sure that the marking of ABS wheel speed sensor harness does not twist.**

1) Check the removed parts for wear, damage and crack, and repair or replace them if faulty.
2) 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.>
Rear suspension parts: <Ref. to RS-3, COMPONENT, General Description.>
Fuel tank protector: <Ref. to FU(H4DO)-7, FUEL TANK, COMPONENT, General Description.>
Rear disc brake parts: <Ref. to BR-5, REAR DISC BRAKE, COMPONENT, General Description.>
Parking brake parts: <Ref. to PB-3, PARKING BRAKE LEVER & CABLE, COMPONENT, General Description.>

3) Bleed air from brake system. <Ref. to BR-61, Air Bleeding.>
4) Install the rear wheels.

Tightening torque:
120 N·m (12.24 kgf-m, 88.5 ft-lb)

5) Inspect the wheel alignment and adjust if necessary.
- Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.>
- Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.>

CAUTION:
When the wheel alignment has been adjusted, perform "VDC sensor midpoint setting mode" of the VDC. <Ref. to VDC-23, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

6) Connect the battery ground terminal.
7) Perform reinitialization of the auto headlight beam leveler system. (Model with auto headlight beam leveler) <Ref. to LI-16, PROCEDURE, Auto Headlight Beam Leveler System.>

C: INSPECTION

Check the removed parts for wear, damage and crack, and repair or replace them if faulty.