3. Rear Sub Frame

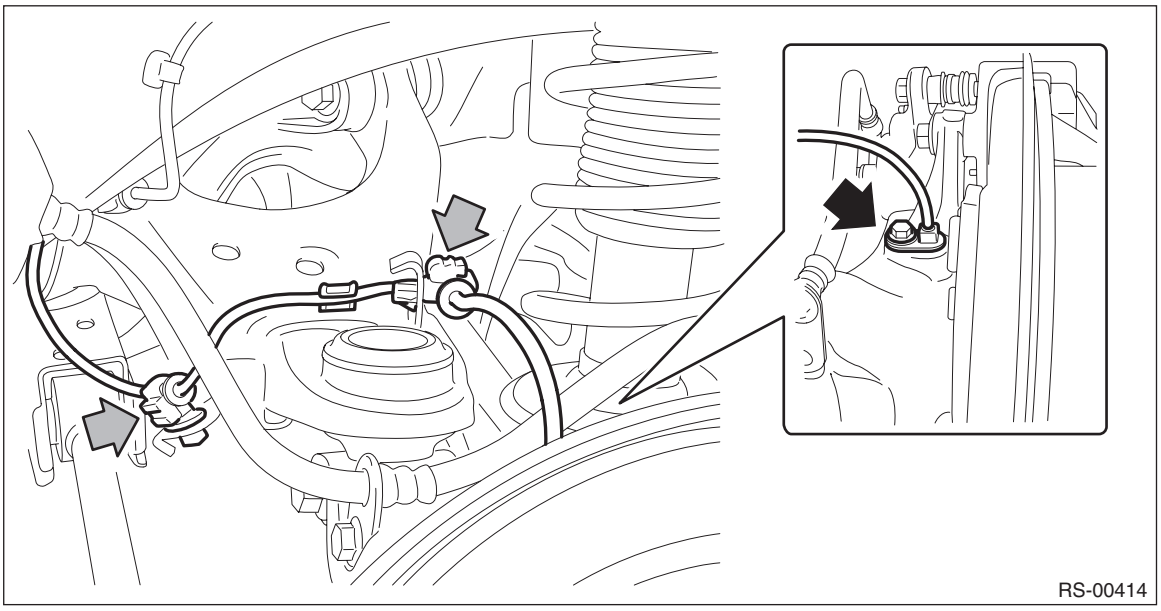
A: REMOVAL

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 rear exhaust pipe.
- STI model: <Ref. to EX(STI)-12, REMOVAL, Rear Exhaust Pipe.>
- Except for STI model: <Ref. to EX(w/o STI)-50, REMOVAL, Rear Exhaust Pipe.>

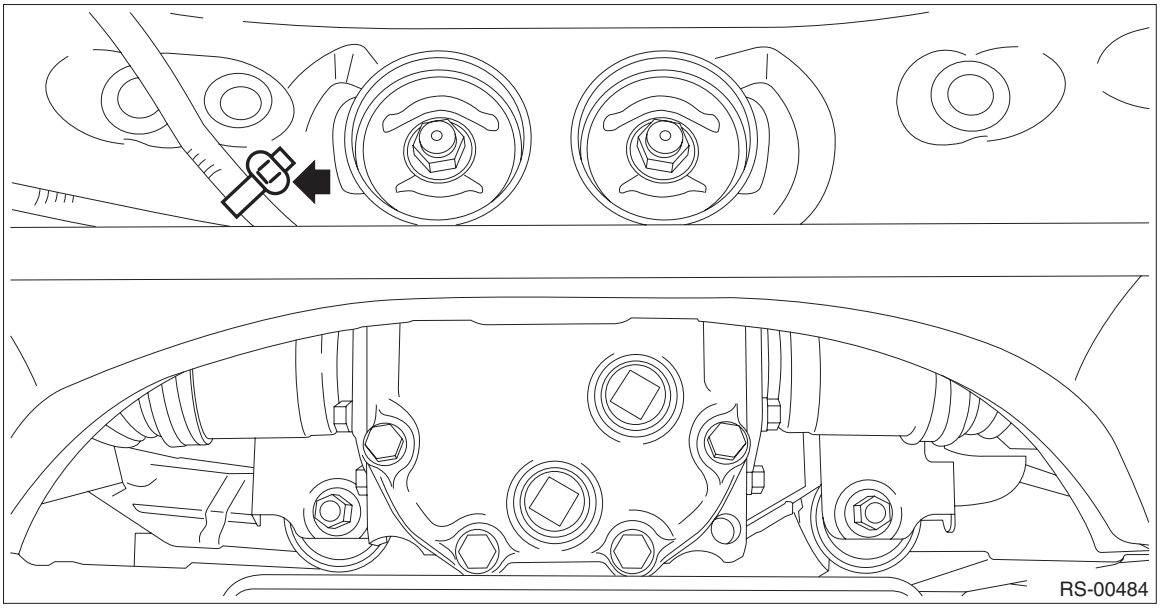
4) Remove the propeller shaft assembly. <Ref. to DS-12, REMOVAL, Propeller Shaft.>
5) Remove the clip and bolt on the harness clamp, and remove the rear ABS wheel speed sensor.

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



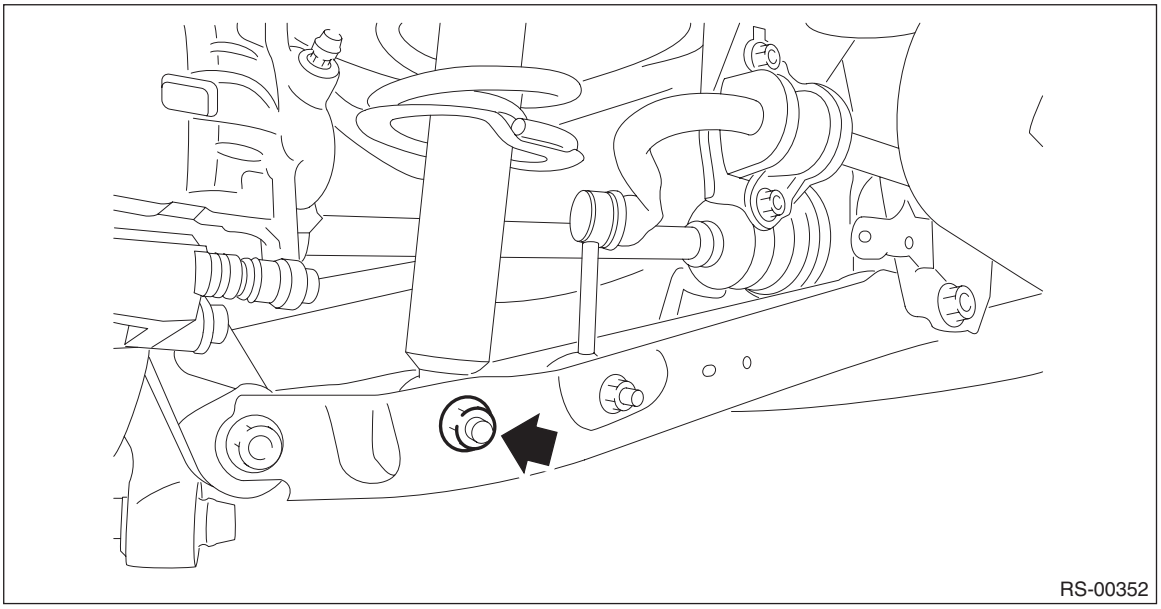
6) Remove the disc brake assembly - rear. <Ref. to BR-43, REMOVAL, Rear Disc Brake Assembly.>
7) Remove the cable assembly - parking brake and the parking brake shoe. <Ref. to PB-12, REMOVAL, Parking Brake Assembly (Rear Disc Brake).>

8) Remove the clamp of the sub rear harness.



9) Remove the sensor assembly - headlight beam leveler. (Model with auto headlight beam leveler) <Ref. to LI-74, REMOVAL, Rear Height Sensor.>
10) Remove the fuel tank protector.
- STI model: <Ref. to FU(STI)-66, REMOVAL, Fuel Tank Protector.>
- Except for STI model: <Ref. to FU(w/o STI)-151, REMOVAL, Fuel Tank Protector.>

11) Remove the rear sub frame assembly.
(1) Remove the bolts and nuts from the lower side of rear shock absorber assembly.

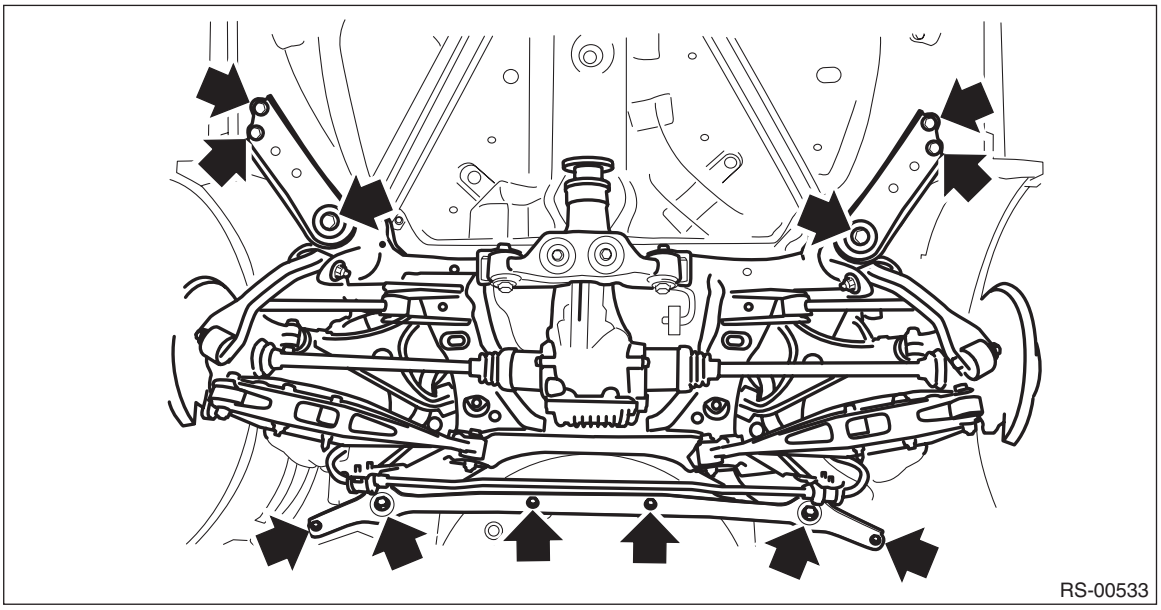


(2) Support the rear sub frame assembly using a transmission jack.

CAUTION:
The rear sub frame assembly is heavy. Make sure that it is horizontally-supported.

(3) Remove the bolt, and remove the left and right sub frame supports and the rear sub frame support.
(4) Remove the rear sub frame assembly.

CAUTION:
While checking there is no dragging of harness and wire, lower it slowly with a transmission jack.



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

B: INSTALLATION

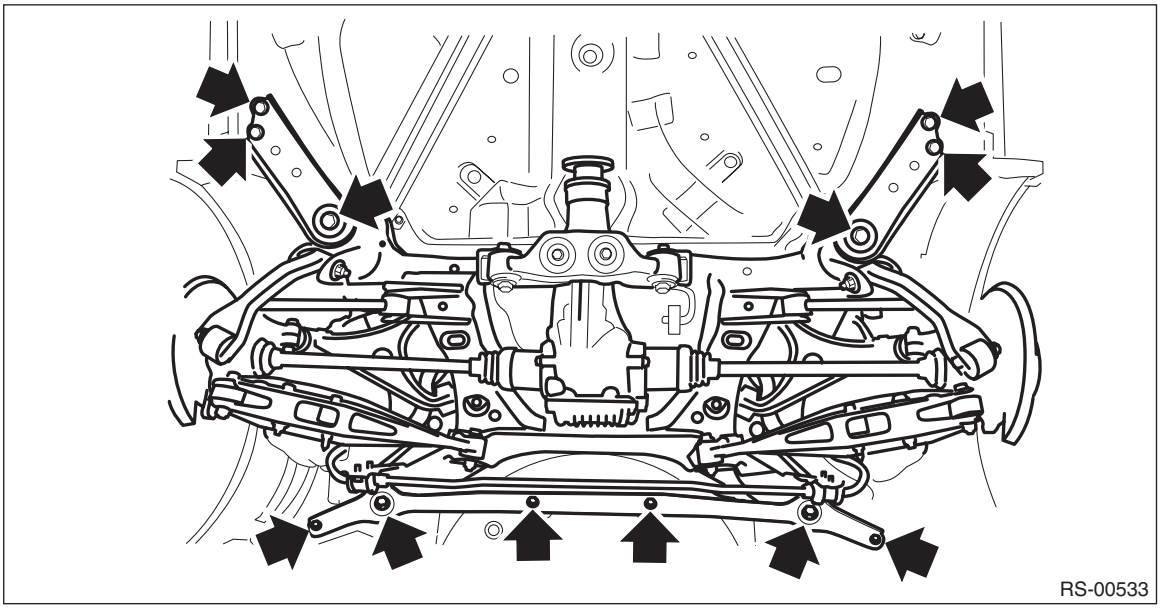
CAUTION:
- **For parts which are not reusable, always use new parts.**
- **Always tighten the bushing in the state where the vehicle is at curb weight and the wheels are in full contact with the ground.**
- **During the installation, make sure that the marking of ABS wheel speed sensor harness does not twist.**

1) Check the removed parts for wear, damage and crack, and repair or replace them if faulty.
2) Install each part to the rear sub frame assembly.

Tightening torque:
Refer to "COMPONENT" of "General Description" for the tightening torque. <Ref. to RS-3, COMPONENT, General Description.>

3) Install the rear sub frame assembly.
   (1) Lift the rear sub frame assembly using a transmission jack.
   (2) Install the right and left sub frame supports and the rear support sub frame, and install the rear sub frame assembly.

CAUTION:
- **The rear sub frame assembly is heavy. Make sure that it is horizontally-supported.**
- **While checking there is no dragging of harness and wire, raise it slowly with a transmission jack.**



Tightening torque:
Refer to "COMPONENT" of "General Description" for the tightening torque. <Ref. to RS-3, COMPONENT, General Description.>

4) Install the bolts and nuts on the lower side of rear shock absorber assembly.

Tightening torque:
85 N·m (8.7 kgf-m, 62.6 ft-lb)

5) Install the fuel tank protector.
- STI model: <Ref. to FU(STI)-66, INSTALLATION, Fuel Tank Protector.>
- Except for STI model: <Ref. to FU(w/o STI)-151, INSTALLATION, Fuel Tank Protector.>

6) 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)

7) Install the clamp of the sub rear harness.
8) Install the cable assembly - parking brake. <Ref. to PB-14, INSTALLATION, Parking Brake Assembly (Rear Disc Brake).>
9) Install the brake hose bracket and the disc brake assembly - rear.

Tightening torque:
Brake hose bracket: 33 N·m (3.4 kgf-m, 24.3 ft-lb)
Disc brake assembly - rear (STI model): 65 N·m (6.6 kgf-m, 47.9 ft-lb)
Disc brake assembly - rear (except for STI model): 66 N·m (6.7 kgf-m, 48.7 ft-lb)

10) Install the rear ABS wheel speed sensor.

Tightening torque:
7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

11) Install the propeller shaft assembly. <Ref. to DS-14, INSTALLATION, Propeller Shaft.>
12) Install the rear exhaust pipe.
- STI model: <Ref. to EX(STI)-12, INSTALLATION, Rear Exhaust Pipe.>
- Except for STI model: <Ref. to EX(w/o STI)-51, INSTALLATION, Rear Exhaust Pipe.>

13) Install the rear wheels and lower the vehicle.

Tightening torque:
120 N·m (12.2 kgf-m, 88.5 ft-lb)

14) 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).>

15) 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.
16) 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.