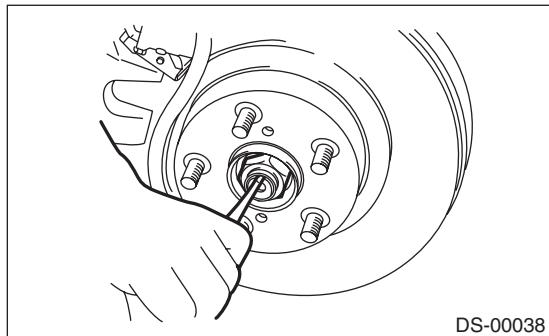


4. Rear Axle

A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Lift up the vehicle, and then remove the rear wheels.
- 3) Lift the crimped section of axle nut.



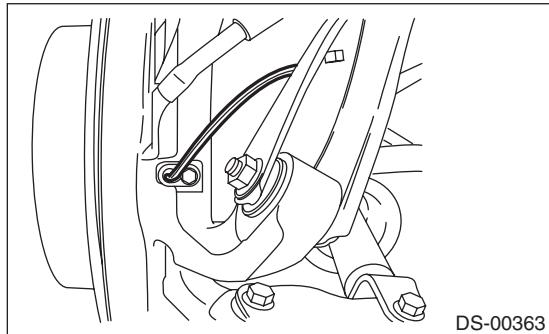
DS-00038

- 4) Remove the axle nut using a socket wrench while depressing the brake pedal.

CAUTION:

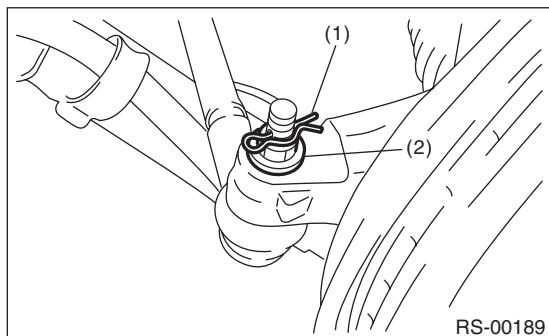
Remove the wheel before loosening the axle nut. Failure to follow this rule may damage the wheel bearings.

- 5) Remove the parking brake cable from parking brake assembly. <Ref. to PB-8, REMOVAL, Parking Brake Assembly (Rear Disc Brake).>
- 6) Remove the rear ABS wheel speed sensor.



DS-00363

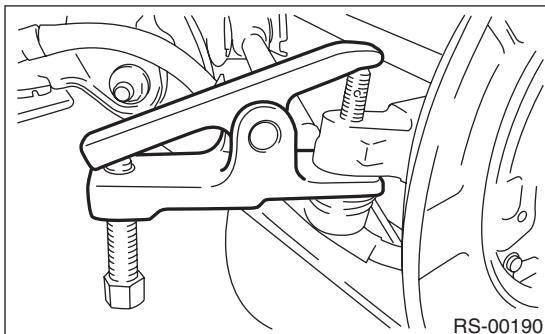
- 7) Remove the snap pin and nut from the front lateral link.



DS-00189

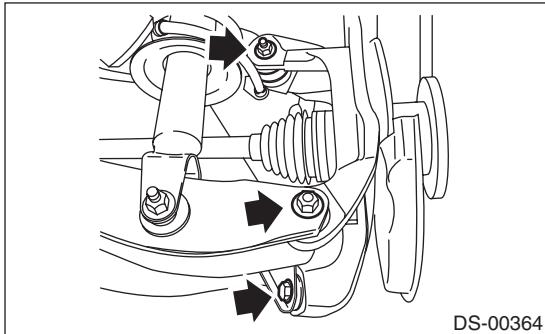
(1) Snap pin
(2) Nut

- 8) Using a puller, separate the rear housing and ball joint.



RS-00190

- 9) Detach the upper arm, trailing link, and rear lateral link from the rear housing.

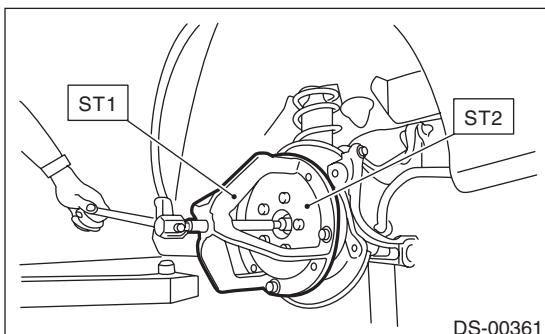


DS-00364

- 10) Remove the rear axle.

NOTE:

If it is hard to remove, use the ST.
 ST1 926470000 AXLE SHAFT PULLER
 ST2 28099PA110 AXLE SHAFT PULLER PLATE



DS-00361

B: INSTALLATION

NOTE:

- Be sure to use a new self-locking nut.
- Always tighten bushings with wheels in full contact with the ground and the vehicle at curb weight.

1) Install in the reverse order of removal.

Tightening torque:

Refer to "COMPONENT" of "General Description" for the tightening torque.

<Ref. to DS-4, COMPONENT, General Description.>

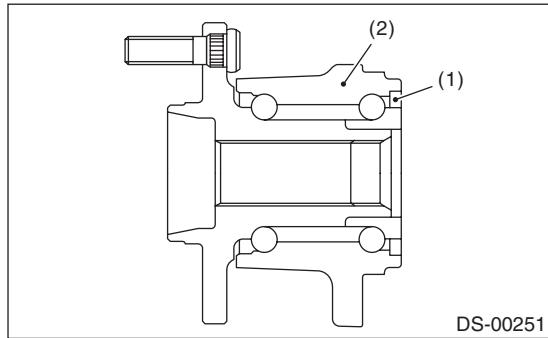
<Ref. to BR-4, COMPONENT, General Description.>

<Ref. to PB-2, COMPONENT, General Description.>

<Ref. to RS-3, COMPONENT, General Description.>

<Ref. to VDC-3, COMPONENT, General Description.>

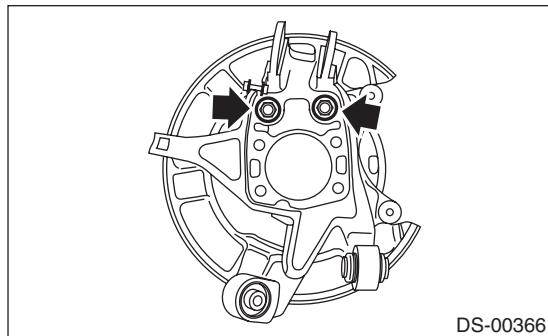
2) Inspect the wheel alignment and adjust if necessary.



(1) Magnetic encoder

(2) Rear hub unit bearing

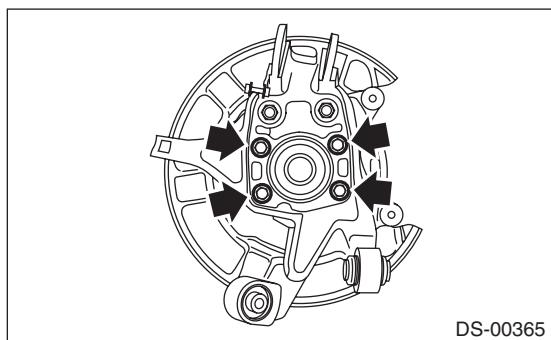
2) Remove the two bolts from the rear housing, and remove the back plate.



C: DISASSEMBLY

1. REAR HUB UNIT BEARING

1) Remove the four bolts from the rear housing, and remove the rear hub unit bearing.



CAUTION:

- Be careful not to damage the magnetic encoder.
- Do not get closer the tool which charged magnetism to magnetic encoder.

2. BUSHING

Refer to "Rear Trailing Link" of "REAR SUSPENSION" for removal procedure.

<Ref. to RS-10, REAR HOUSING BUSHING, DISASSEMBLY, Rear Trailing Link.>

D: ASSEMBLY

1. REAR HUB UNIT BEARING

Assemble in the reverse order of disassembly.

Tightening torque:

Rear hub unit bearing

$65 \text{ N}\cdot\text{m} (6.6 \text{ kgf}\cdot\text{m}, 47.9 \text{ ft-lb})$

Back plate

$75 \text{ N}\cdot\text{m} (7.6 \text{ kgf}\cdot\text{m}, 55.3 \text{ ft-lb})$

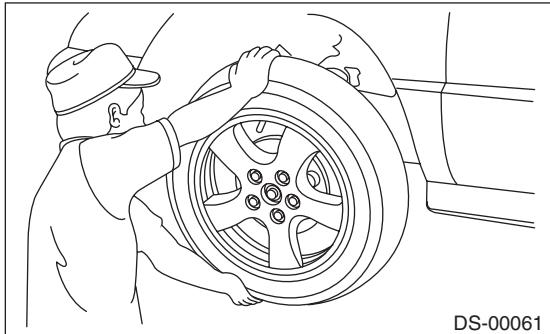
2. BUSHING

Refer to "Rear Trailing Link" of "REAR SUSPENSION" for installation procedure.

<Ref. to RS-10, REAR HOUSING BUSHING, ASSEMBLY, Rear Trailing Link.>

E: INSPECTION

- 1) Moving the rear tire up and down by hand, check there is no backlash in bearing, and check the wheel rotates smoothly.



- 2) Inspect the lean of axis direction using a dial gauge. Replace the bearing if the load range exceeds the limitation.

Service limit:

Maximum: 0.05 mm (0.0020 in)

