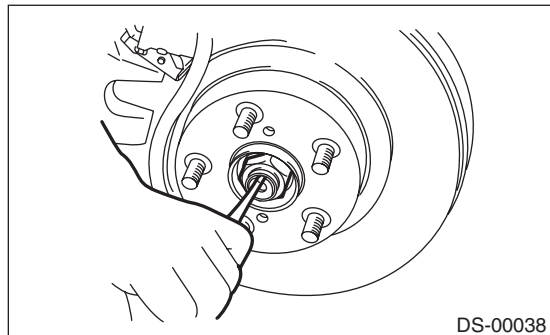


4. Rear Axle

A: REMOVAL

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

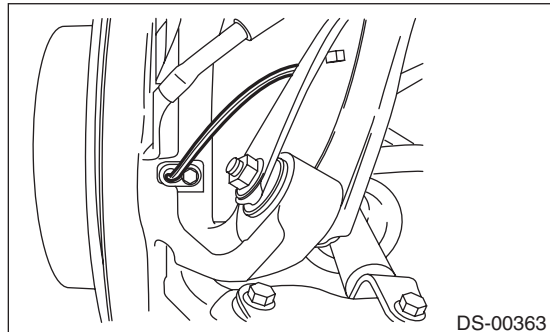


- 4) Remove the axle nut using a socket wrench while depressing the brake pedal.

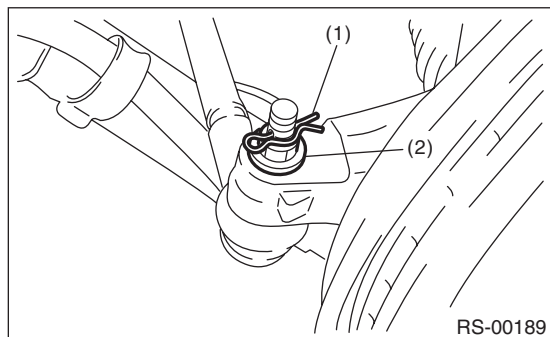
CAUTION:

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-7, REMOVAL, Parking Brake Assembly (Rear Disc Brake).>
- 6) Remove the rear ABS wheel speed sensor.

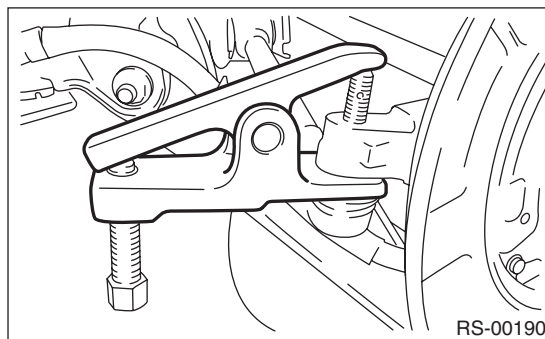


- 7) Remove the snap pin and nut from the front lateral link.

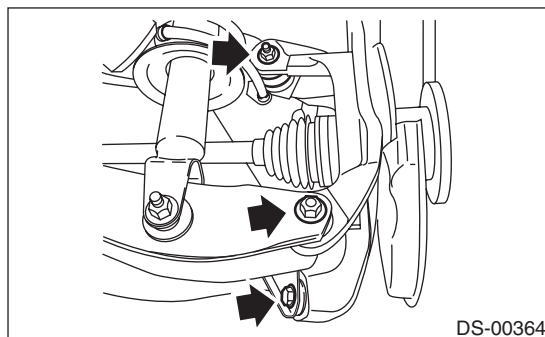


- (1) Snap pin
- (2) Nut

- 8) Separate the rear housing and the ball joint using the puller.



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

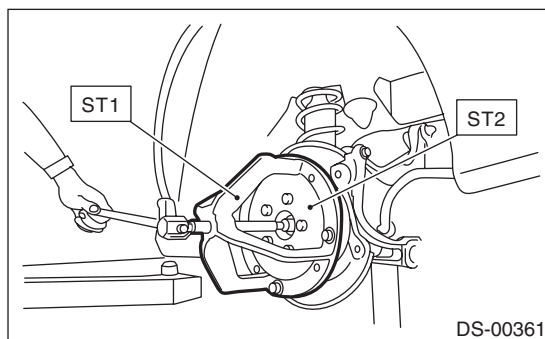


- 10) Remove the rear axle.

NOTE:

If it is hard to remove, use the ST.

- ST1 926470000 AXLE SHAFT PULLER
ST2 28099PA110 AXLE SHAFT PULLER PLATE



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.>

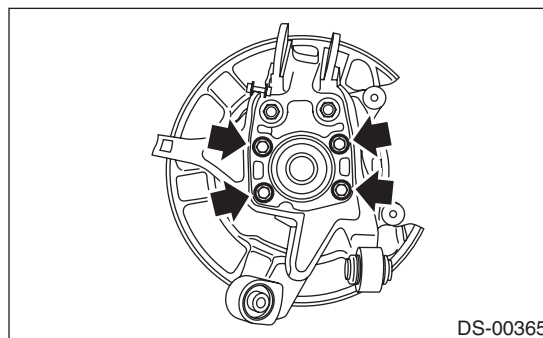
<Ref. to VDC-2, COMPONENT, General Description.>

- 2) Inspect the wheel alignment and adjust if necessary.

C: DISASSEMBLY

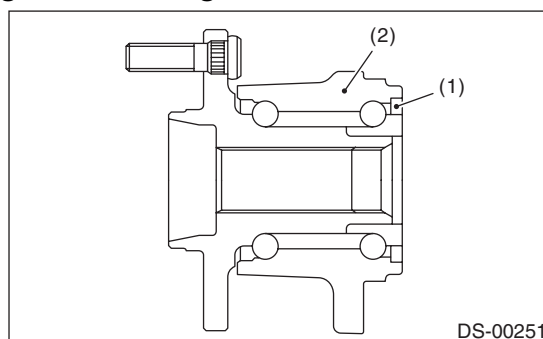
1. REAR HUB UNIT BEARING

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



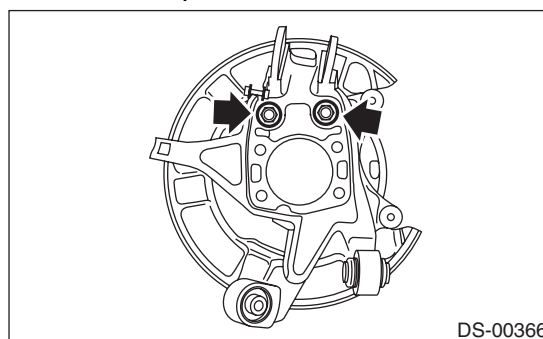
CAUTION:

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



- (1) Magnetic encoder
(2) Rear hub unit bearing

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



2. BUSHING

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

<Ref. to RS-11, 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 N·m (6.6 kgf-m, 47.9 ft-lb)

Back plate

75 N·m (7.6 kgf-m, 55.3 ft-lb)

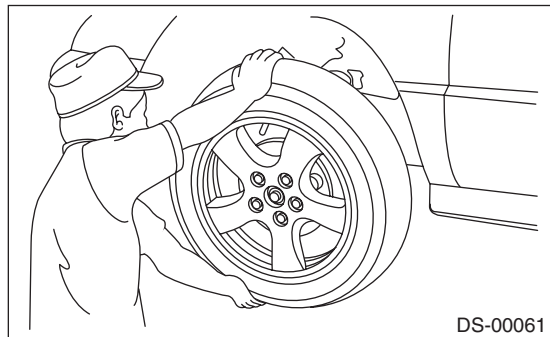
2. BUSHING

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

<Ref. to RS-12, 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)

