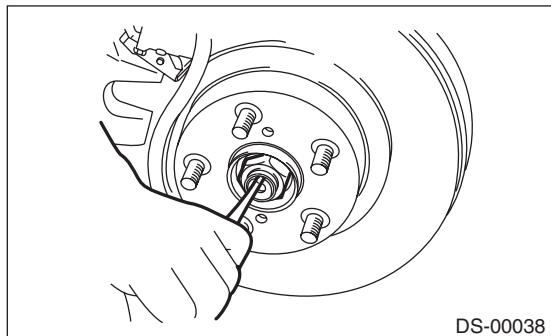


6. Rear Hub Unit Bearing

A: REMOVAL

- 1) Lift up the vehicle, and then remove the rear wheels.
- 2) Lift the crimped section of axle nut.



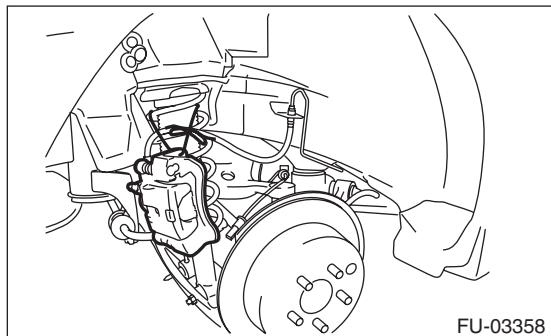
DS-00038

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

CAUTION:

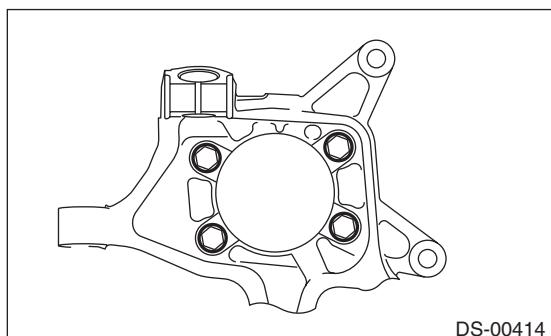
Do not loosen the axle nut while the rear axle is loaded. Doing so may damage the hub bearing.

- 4) Remove the disc brake caliper from the rear housing, and suspend it from vehicle using a string.



FU-03358

- 5) Remove the rear disc rotor.
- 6) Remove the four bolts from the rear housing.

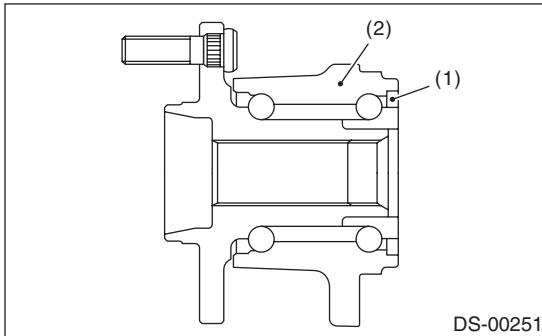


DS-00414

- 7) Remove the rear hub unit bearing.

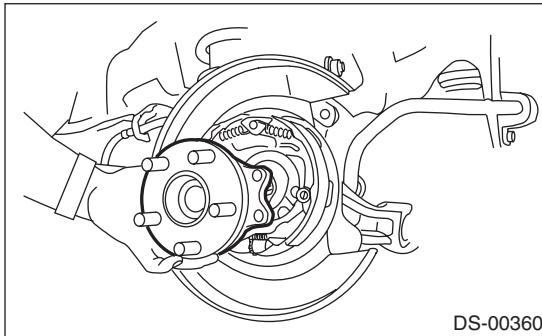
CAUTION:

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



DS-00251

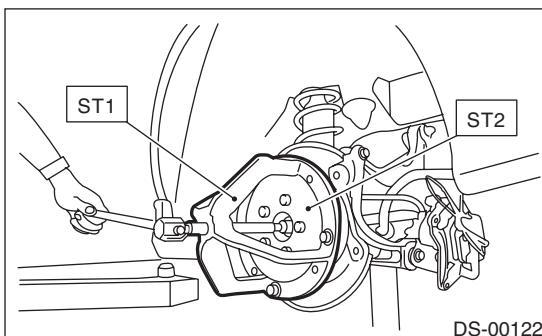
(1) Magnetic encoder
(2) Rear hub unit bearing



DS-00360

NOTE:

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



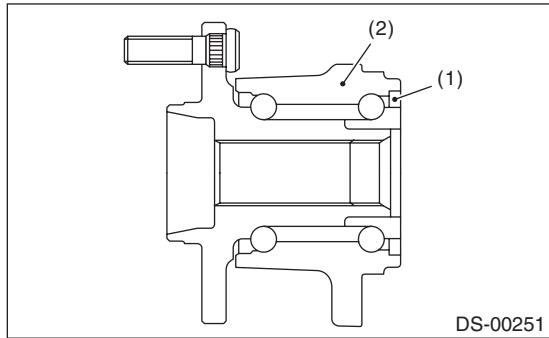
DS-00122

B: INSTALLATION

1) Aligning with the mounting hole of the rear brake back plate, temporarily tighten the rear hub unit bearing to the rear housing.

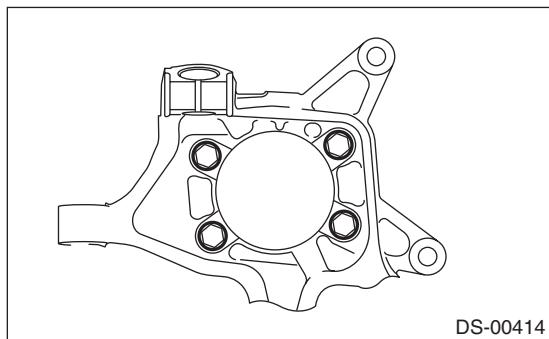
CAUTION:

- 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) Tighten the four bolts of the rear housing.



Tightening torque:

65 N·m (6.63 kgf·m, 47.9 ft-lb)

3) Tighten the new axle nut temporarily.

4) Install the rear disc rotor.

5) Install the disc brake caliper on the rear housing.

Tightening torque:

17-inch type

65 N·m (6.63 kgf·m, 47.9 ft-lb)

15-inch type

66 N·m (6.73 kgf·m, 48.7 ft-lb)

6) While pressing the brake pedal, tighten the new axle nuts to the specified torque.

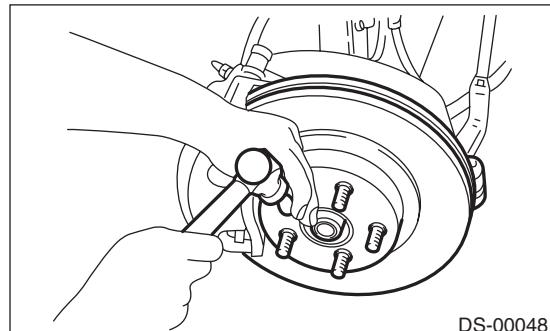
Tightening torque:

190 N·m (19.4 kgf·m, 140.1 ft-lb)

CAUTION:

Do not apply weight to the rear axle before tightening the axle nut. Doing so may damage the hub bearing.

7) After tightening the axle nut, lock it securely.



DS-00048

8) Install the rear wheels.

Tightening torque:

100 N·m (10.20 kgf·m, 73.8 ft-lb)

C: DISASSEMBLY

Using the ST and a hydraulic press, push out the hub bolts.

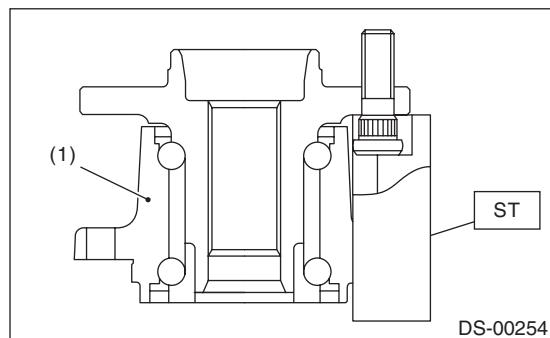
CAUTION:

- Be careful not to hammer the hub bolts. This may deform the hub.
- Do not reuse the hub bolt.

ST 28399AG000 HUB STAND

NOTE:

Since the hub unit bearing can not be disassembled, only hub bolts can be removed.



DS-00254

(1) Rear hub unit bearing

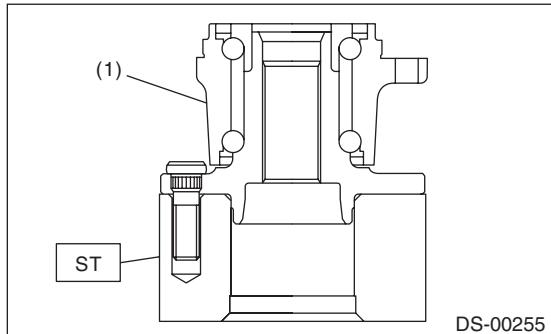
Rear Hub Unit Bearing

DRIVE SHAFT SYSTEM

D: ASSEMBLY

1) Attach the hub to the ST securely.

ST 28099PA080 HUB STAND



(1) Rear hub unit bearing

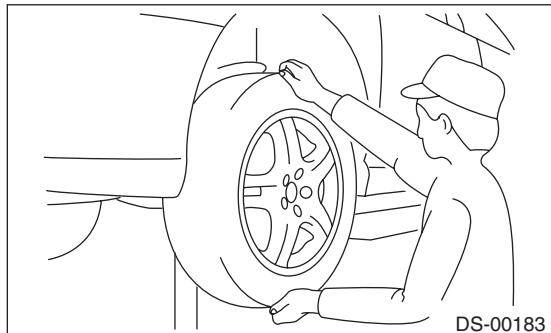
2) Using a press, press the new hub bolts until their seating surfaces contact the hub.

NOTE:

Use the 12 mm (0.47 in) dia. holes in the HUB STAND to prevent bolts from tilting.

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 hub bearing if the play exceeds the limit value.

Service limit:

Maximum: 0.05 mm (0.0020 in)

