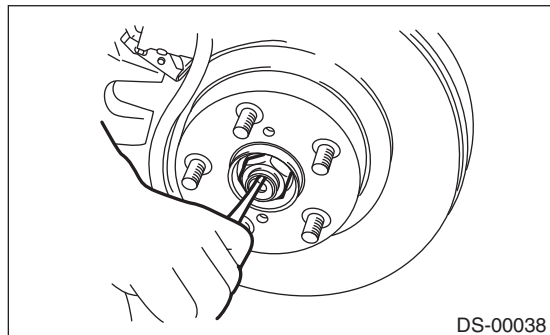


6. Rear Hub Unit Bearing

A: REMOVAL

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

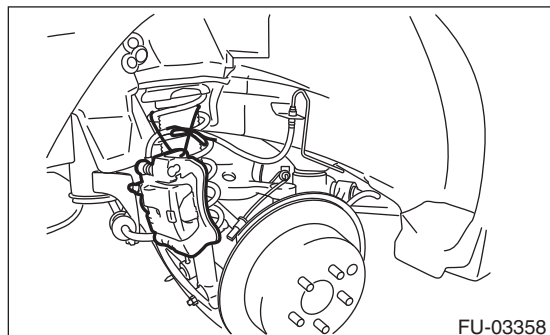


- 4) Remove the axle nut using a socket wrench while depressing the brake pedal.

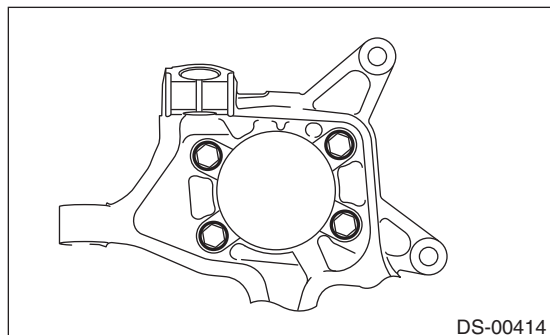
CAUTION:

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

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



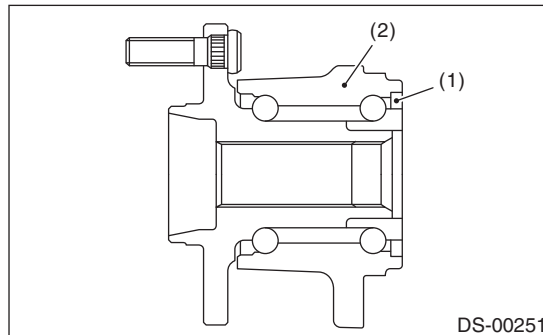
- 6) Remove the rear disc rotor.
- 7) Remove the four bolts from the rear housing.



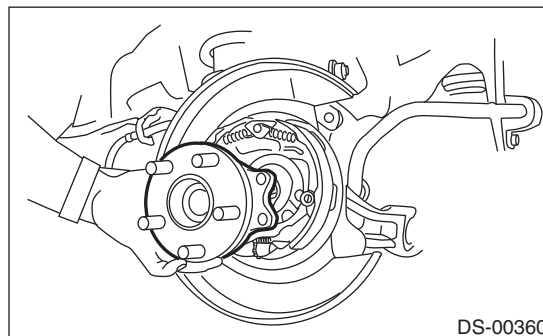
- 8) Remove the rear hub unit bearing.

CAUTION:

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



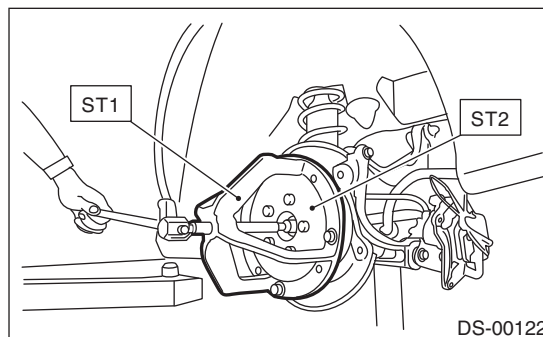
- (1) Magnetic encoder
- (2) Rear hub unit bearing



NOTE:

If it is hard to remove, use the ST.

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

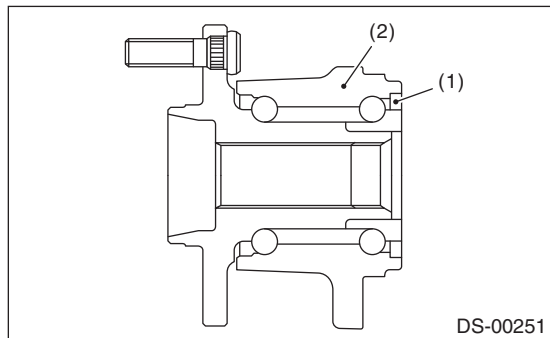


B: INSTALLATION

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.

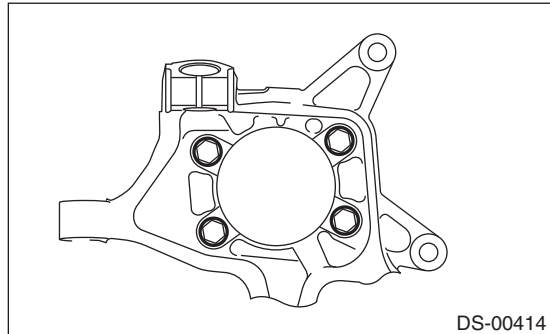


- (1) Magnetic encoder
(2) Rear hub unit bearing

2) Tighten the four bolts of the rear housing.

Tightening torque:

65 N·m (6.6 kgf-m, 47.9 ft-lb)



3) Tighten the new axle nut temporarily.

CAUTION:

Use new axle nuts.

- 4) Install the rear disc rotor.
5) Install the disc brake caliper to the rear housing.

Tightening torque:

66 N·m (6.7 kgf-m, 48.7 ft-lb)

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

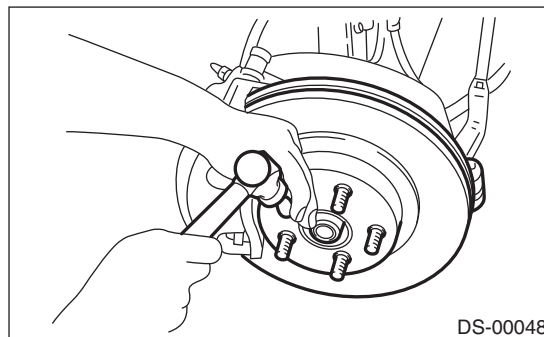
Tightening torque:

190 N·m (19.4 kgf-m, 140 ft-lb)

CAUTION:

- Do not install wheel and let it touch the ground before tightening the axle nut. Failure to follow this rule may damage the axle bearing.
- Do not overtighten the nuts as this may damage the axle bearing.

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



8) Install the rear wheels.

Tightening torque:

100 N·m (10.2 kgf-m, 73.8 ft-lb)

C: DISASSEMBLY

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

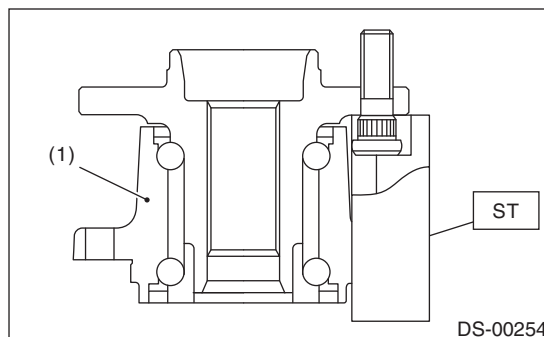
ST 28399AG000 HUB STAND

CAUTION:

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

NOTE:

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

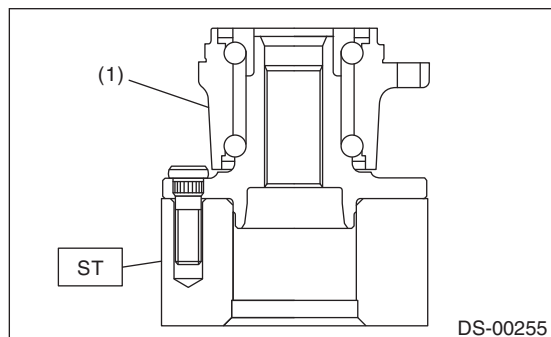


- (1) Rear hub unit bearing

D: ASSEMBLY

1) Attach the hub to the ST securely.

ST 927080000 HUB STAND



(1) Rear hub unit bearing

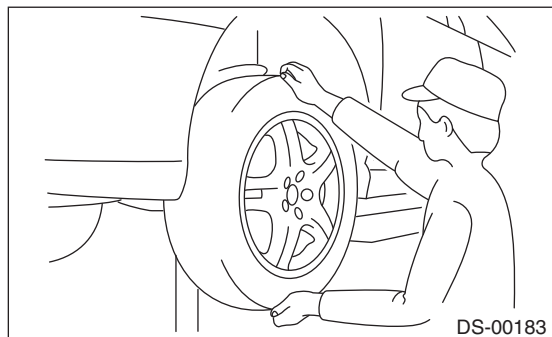
2) Using a press, press the new hub bolts until their seating surfaces contact the hub.

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)

