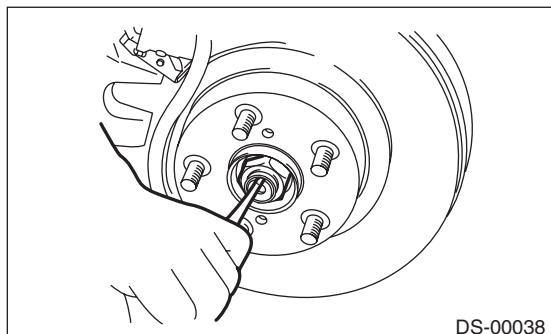


6. Rear Hub Unit Bearing

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.

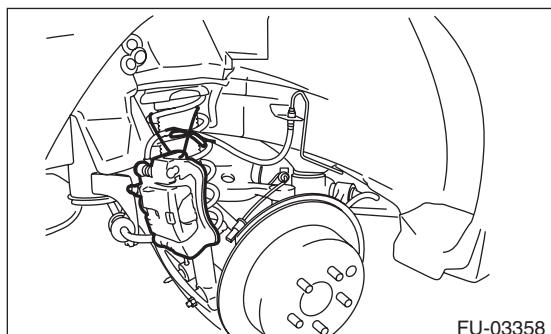


- 4) Remove the axle nut using a socket wrench while depressing the brake pedal.

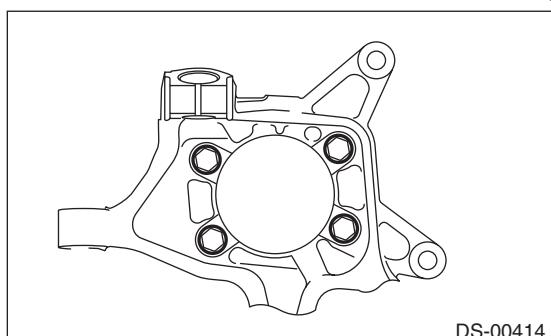
CAUTION:

Do not loosen the axle nut with a load applied to the rear axle. Otherwise the hub bearing may become damaged.

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



- 6) Remove the rear disc rotor. (Disc brake model)
- 7) Remove the brake drum. (Drum brake model)
- 8) Remove the four bolts from the rear housing.

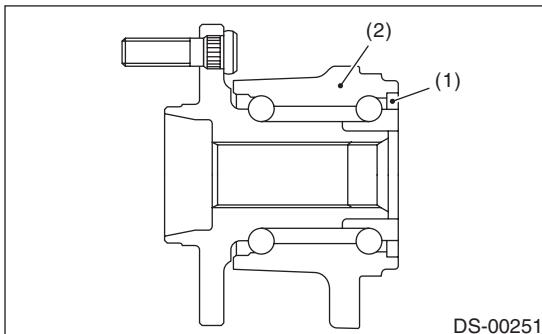


- 9) Remove the rear hub unit bearing.

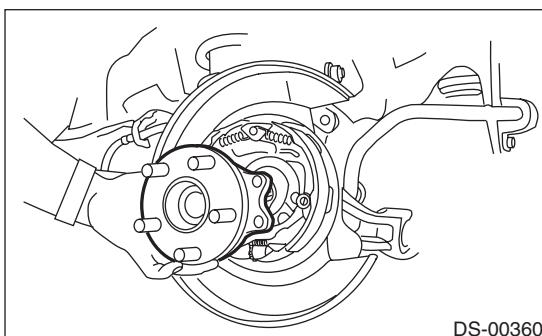
CAUTION:

- Be careful not to damage the magnetic encoder.

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

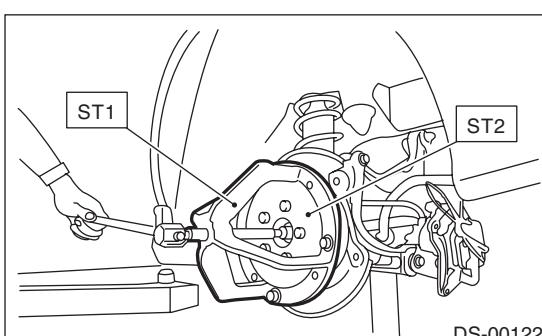


(1) Magnetic encoder
(2) Rear hub unit bearing



NOTE:

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

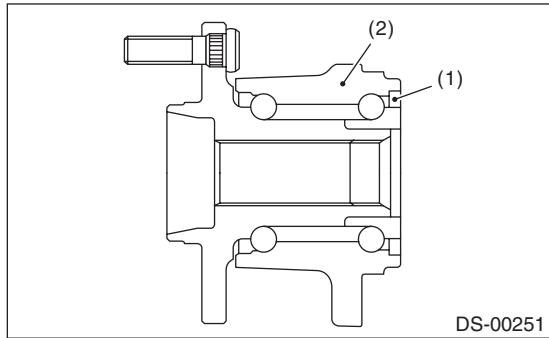


B: INSTALLATION

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.



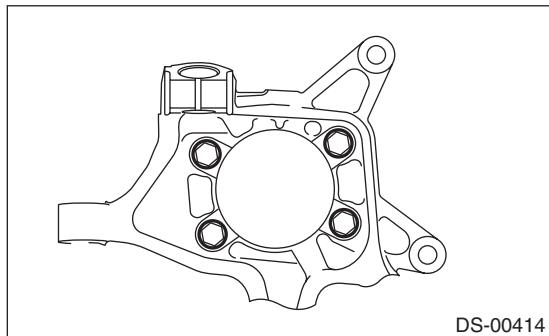
DS-00251

- (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)



DS-00414

3) Tighten the new axle nut temporarily.

CAUTION:

Use new axle nuts.

- 4) Install the rear disc rotor. (Disc brake model)
- 5) Install the rear brake drum. (Drum brake model)
- 6) Install the disc brake caliper on the rear housing. (Disc brake model)

Tightening torque:

66 N·m (6.7 kgf-m, 48.7 ft-lb)

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

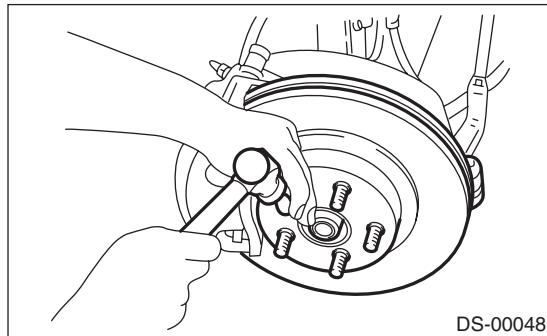
Tightening torque:

190 N·m (19.4 kgf-m, 140.1 ft-lb)

CAUTION:

Do not apply a load to the rear axle before tightening the axle nut. Otherwise the hub bearing may become damaged.

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



DS-00048

9) 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.

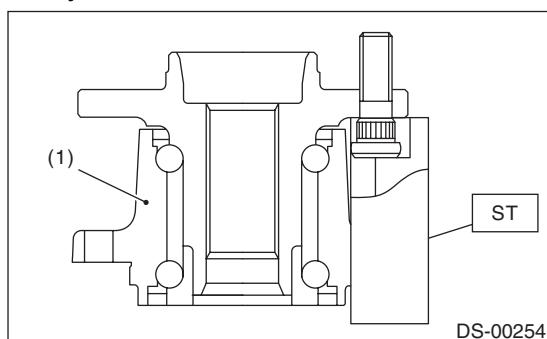
ST 28399AG000 HUB STAND

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.



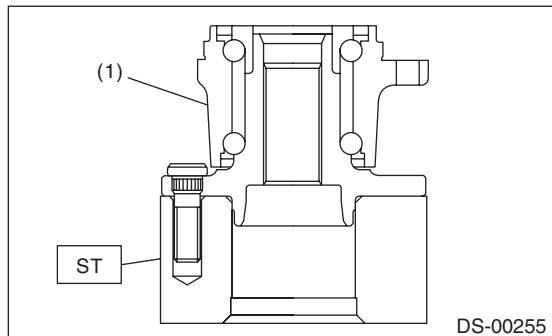
DS-00254

- (1) Rear hub unit bearing

D: ASSEMBLY

1) Attach the hub to the ST securely.

ST 927080000 HUB STAND



(1) Rear hub unit bearing

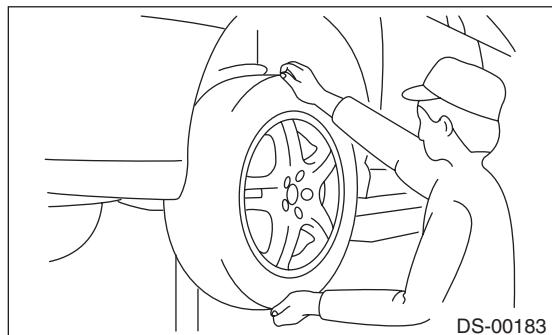
2) Using a press, press the new hub bolts until their seating surfaces contact the hub.

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.

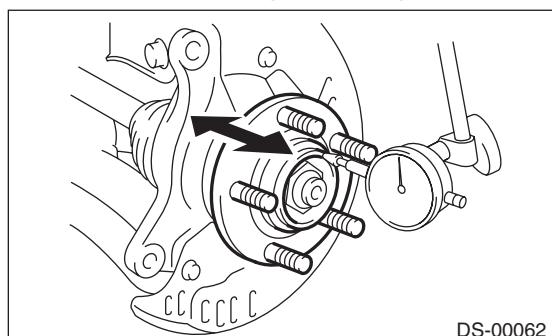


DS-00183

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)



DS-00062