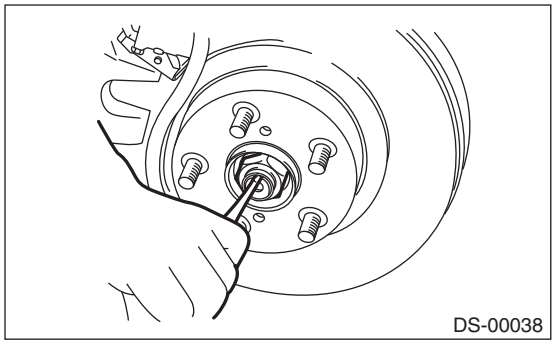
6. Rear Hub Unit Bearing

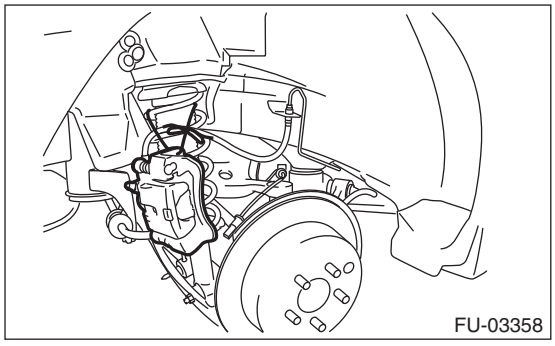
A: REMOVAL

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

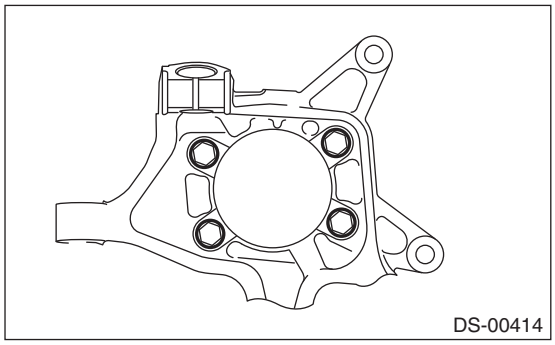

DS-00038

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 the vehicle using ropes.

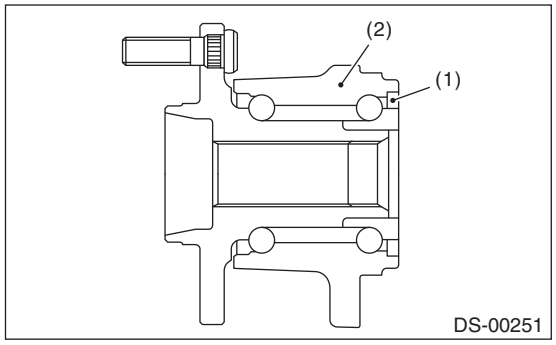

FU-03358

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


DS-00414

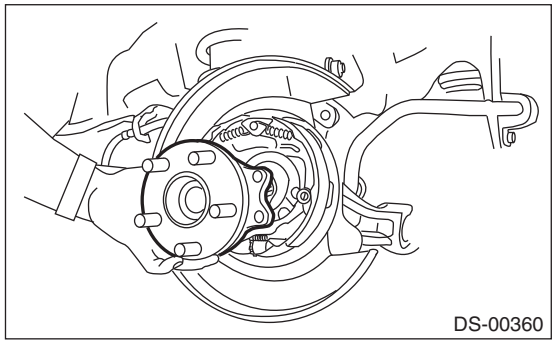
7) Remove the rear hub unit bearing.

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



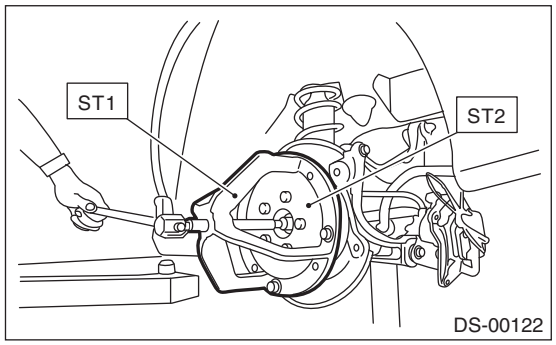
DS-00251

(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

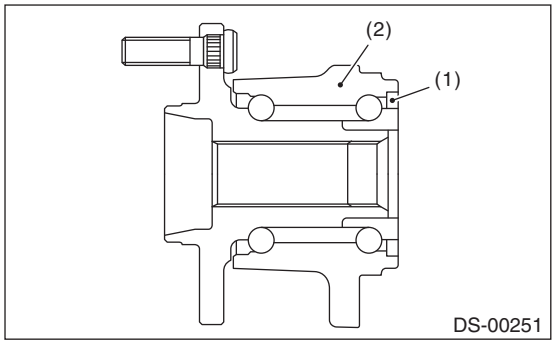


DS-00122

B: INSTALLATION

1) Align the hole of rear brake back plate, and temporarily tighten the rear hub unit bearing to the rear housing.

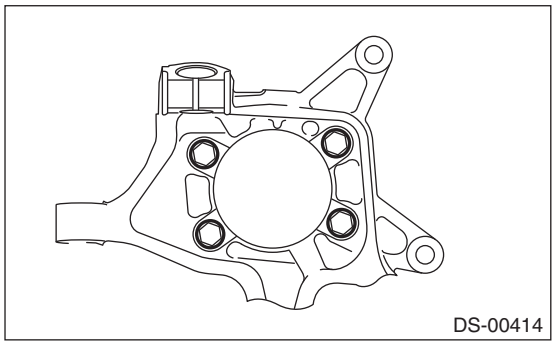
CAUTION:
• Be careful not to damage the magnetic encoder.
• Do not get closer the tool which charged magnetism to magnetic encoder.



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

2) Tighten the rear hub unit bearing.

Tightening torque:
65 N·m (6.6 kgf-m, 47.9 ft-lb)



3) Tighten the new axle nut temporarily.

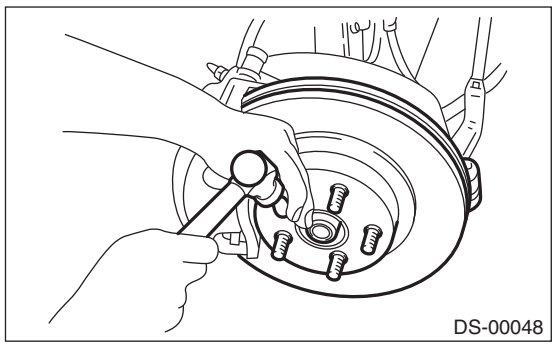
CAUTION:
Use a new axle nut.
4) Install the rear disc rotor.
5) Install the disc brake.

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:
240 N·m (24.5 kgf-m, 177 ft-lb)

CAUTION:
Do not load the rear axle before tightening the axle nut. Doing so may damage the hub bearing.

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



8) Install the rear wheels.

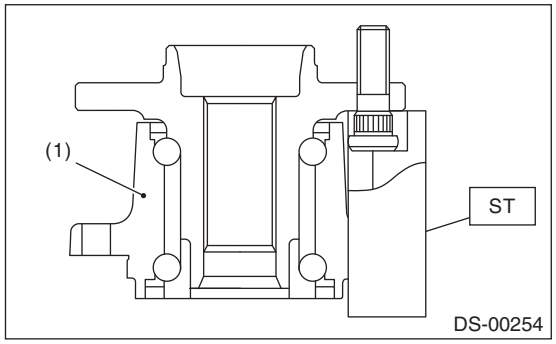
Tightening torque:
120 N·m (12.2 kgf-m, 88.5 ft-lb)

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.

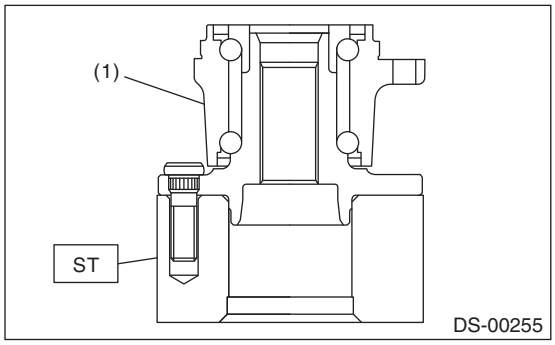
NOTE:
Since the hub unit bearing can not be disassembled, only hub bolts can be removed.



(1) Rear hub unit bearing

D: ASSEMBLY

1) Attach the hub to the ST securely.
ST 927080000 HUB STAND



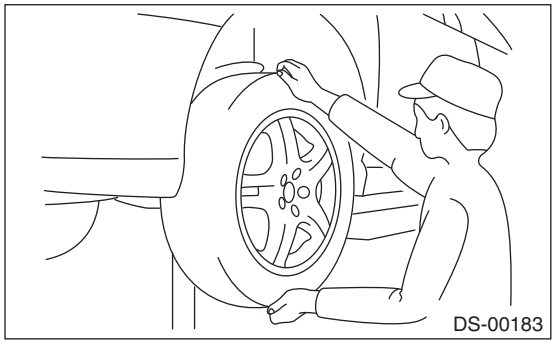
(1) Rear hub unit bearing

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) While moving the rear tire up and down by hand, check if there is no free play in the bearing, and make sure the wheel rotates smoothly.



2) Inspect the play in axial direction using a dial gauge. Replace the hub bearing if the play exceeds the limit.

Service limit:
Maximum: 0.05 mm (0.0020 in)