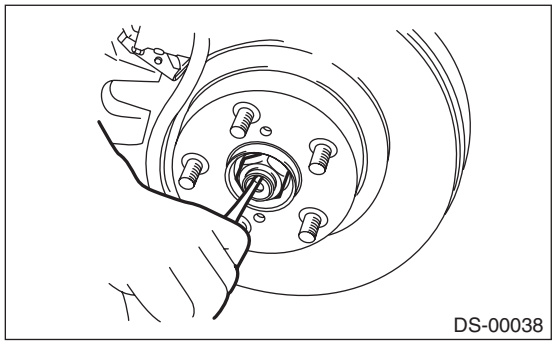
4. Rear Axle

A: REMOVAL

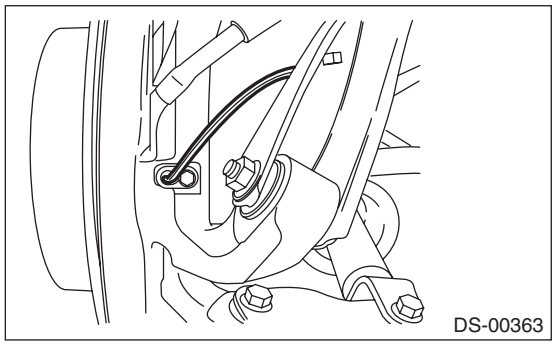
1) Disconnect the ground cable from the battery.
2) Lift up the vehicle, and then remove the rear wheels.
3) Lift the crimped section of axle nut.



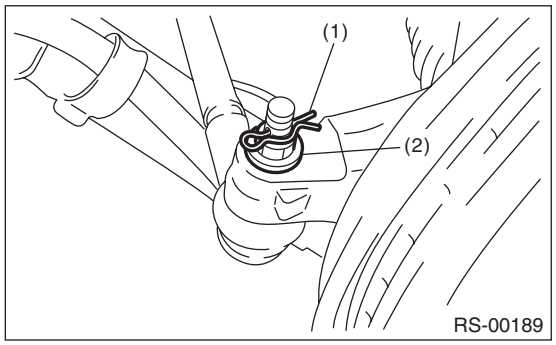
4) Remove the axle nut using a socket wrench while depressing the brake pedal.

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

5) Remove the 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.

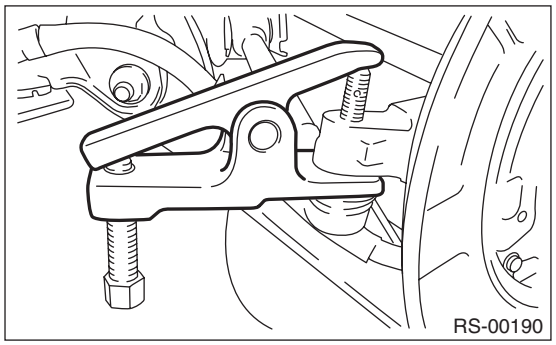


7) Remove the snap pin and nut from the front lateral link.

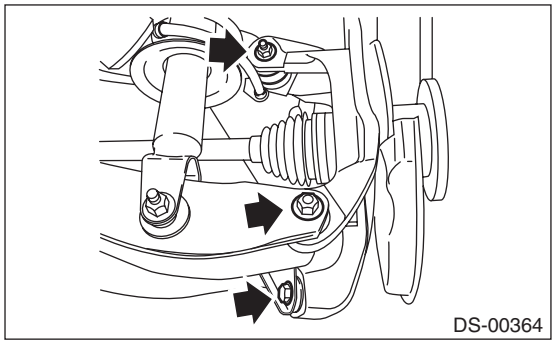


(1) Snap pin
(2) Nut

8) Using a puller, separate the rear housing and ball joint.



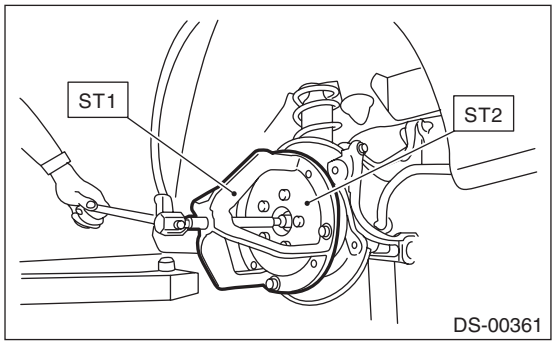
9) Detach the upper arm, trailing link, and rear lateral link from the rear housing.



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 the stabilizer bushing in the state where the vehicle is at curb weight and the wheels are in full contact with the ground.

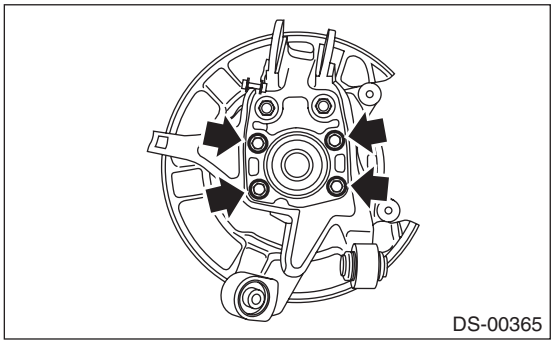
1) Install in the reverse order of removal.

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-3, COMPONENT, General Description.>

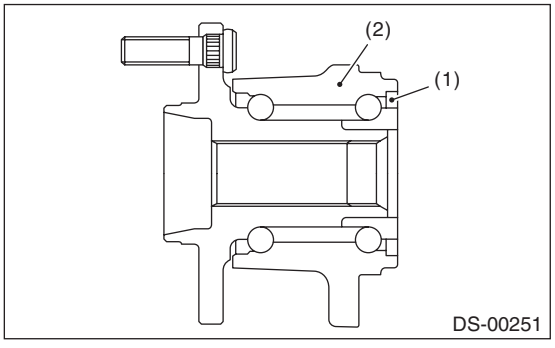
2) Inspect the wheel alignment and adjust if necessary.

C: DISASSEMBLY

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


DS-00365

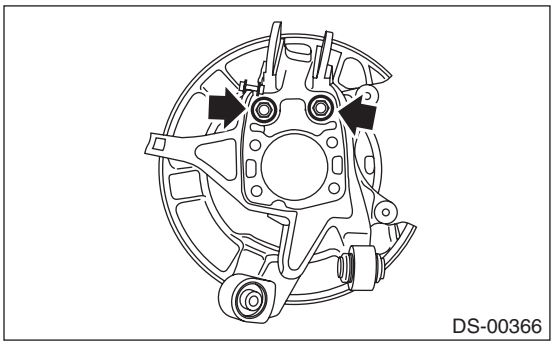
CAUTION:
• Be careful not to damage the magnetic encoder.
• Do not get closer the tool which charged magnetism to magnetic encoder.



DS-00251

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

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


DS-00366

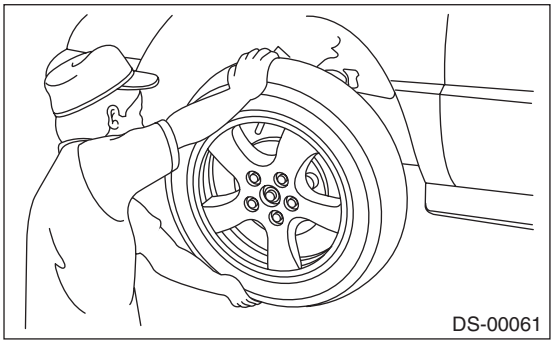
D: ASSEMBLY

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)

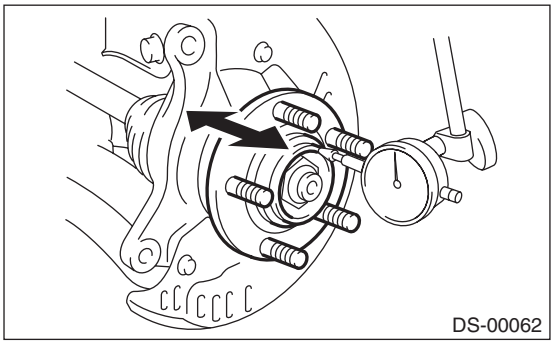
E: INSPECTION

1) Moving the rear tire up and down by hand, check there is no backlash in bearing, and check the wheel rotates smoothly.


DS-00061

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)


DS-00062