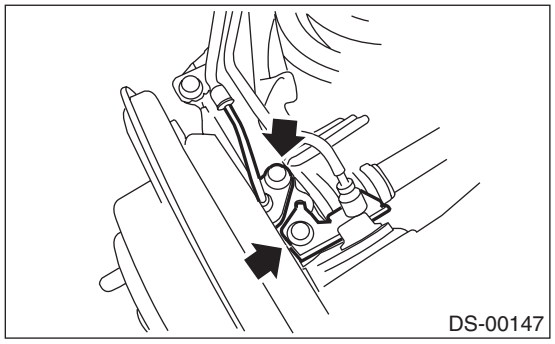
4. Hub Unit Bearing

A: REMOVAL

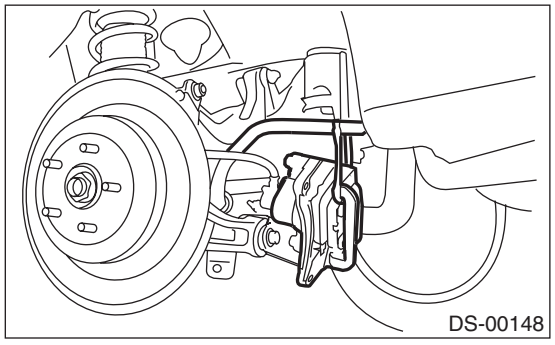
1) Disconnect ground cable from battery.
2) Jack-up vehicle, and remove rear wheel while supporting with safety stands.

CAUTION:
Be sure to loosen and retighten axle nut after removing wheel from vehicle. Failure to follow this rule may damage wheel bearings.

3) Unlock axle nut.
4) Remove axle nut while depressing brake pedal to prevent front drive shaft from turning.
5) Return parking brake lever.
6) Remove ABS sensor.


DS-00147

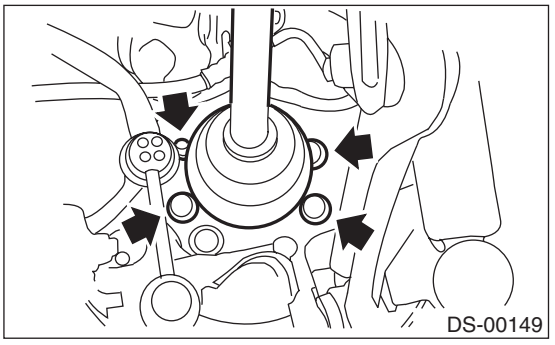
7) Remove brake caliper from back plate and suspend it from stabilizer using a piece of wire.


DS-00148

8) Remove disc rotor from hub.

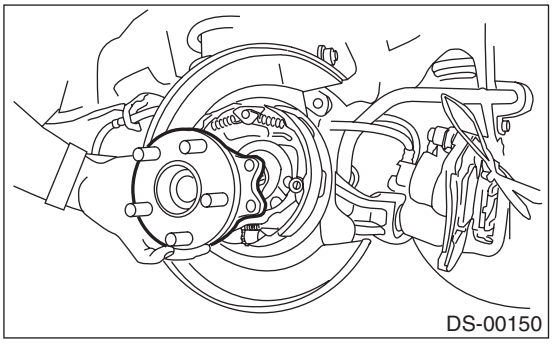
NOTE:
• Mark matching marks on hub and disc rotor, before removing.
• If disc rotor seizes up within hub, drive it out by installing an 8 mm bolt into disc rotor bolt hole.

9) Remove four bolts from rear arm.

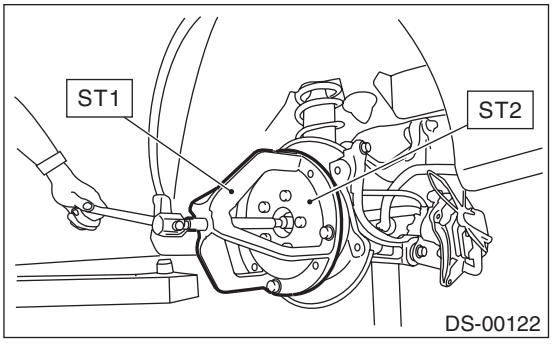

DS-00149

10) Remove hub unit bearing.

CAUTION:
Be careful not to damage tone wheel.


DS-00150

If it is hard to remove, use STs.
ST1 926470000 AXLE SHAFT PULLER
ST2 927140000 PLATE

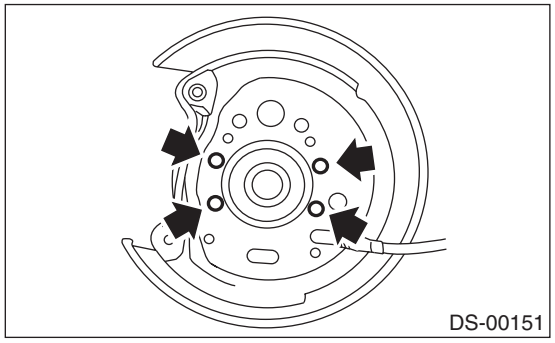


DS-00122

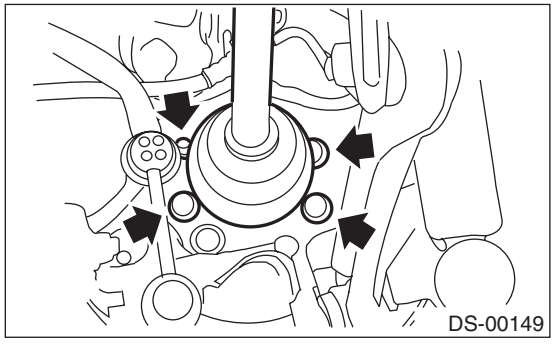
B: INSTALLATION

1) Align hub unit bearing with back plate at mounting holes and install hub unit assembly and back plate. Temporarily tighten axle nuts.

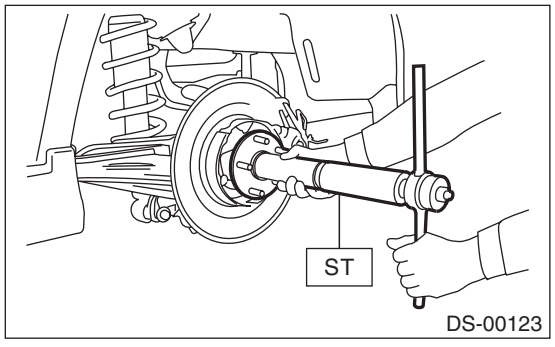
CAUTION:
Be careful not to damage tone wheel.



2) Tighten four bolts to back plate.

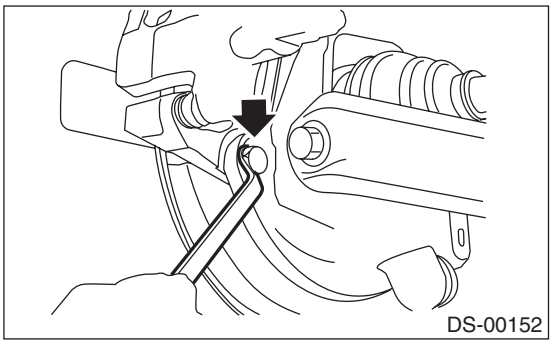


3) Remove axle nut.
4) Using ST1 and ST2, pull axle shaft into place.
ST1 922431000 AXLE SHAFT INSTALLER
ST2 927390000 ADAPTER

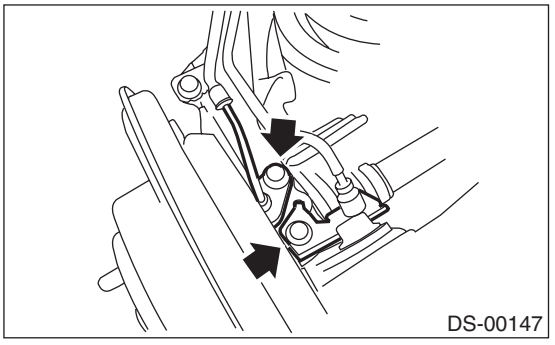


5) Temporarily tighten axle nuts.
6) Install disc rotor on hub.
7) Install disc brake caliper on back plate.

Tightening torque:
52 N·m (5.3 kgf-m, 38.3 ft-lb)



8) Install rear ABS sensor and brake cable bracket.

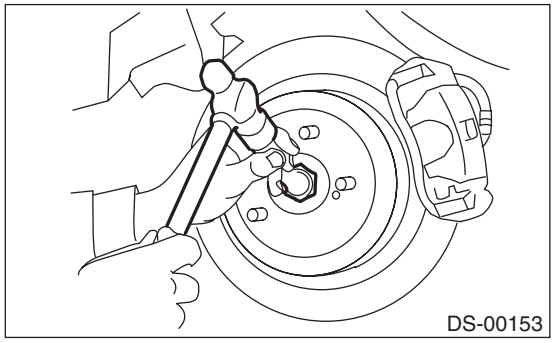


9) Adjust parking brake lever stroke by turning adjuster. <Ref. to PB-5, ADJUSTMENT, Parking Brake Lever.>

10) Move brake lever back to apply brakes. While depressing brake pedal to prevent axle shaft from turning, tighten axle nut.
11) Securely lock axle nut after tightening.

Tightening torque:
235 N·m (24 kgf-m, 174 ft-lb)

CAUTION:
• Replace the removed axle nuts with new one. Use an axle nut for rear use only (Olive color).
• Always tighten axle nut before installing wheel on vehicle.
• Be sure to tighten axle nut to specified torque. Do not overtighten it as this may damage wheel bearing.



12) Install rear wheel and tighten wheel nuts to specified torque.

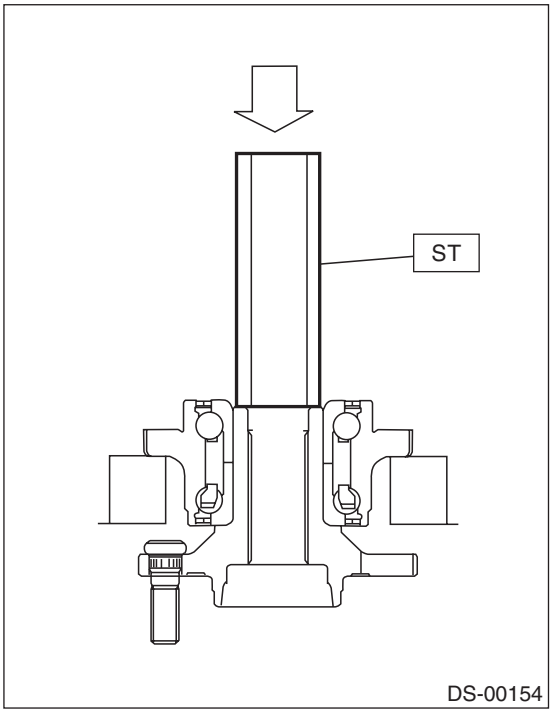
Tightening torque:
108 N·m (11 kgf-m, 80 ft-lb)

C: DISASSEMBLY

1) Using ST, remove hub unit from hub assembly.

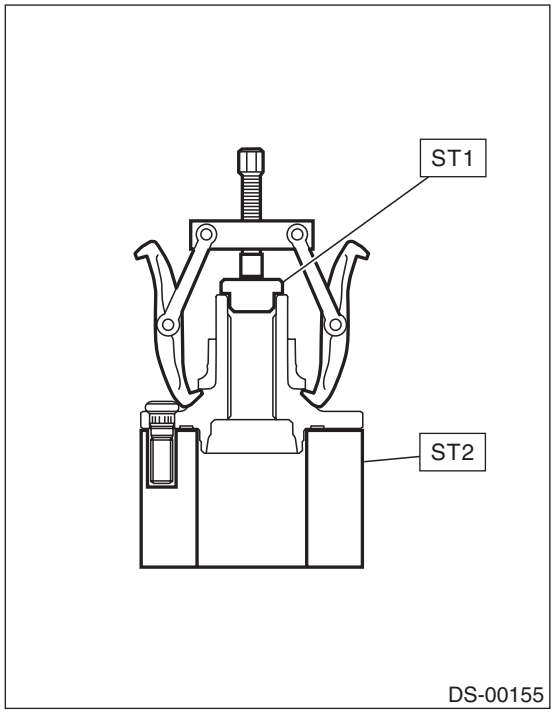
CAUTION:
Securely set hub assembly so that it does not lean.

ST 398507703 DUMMY COLLAR



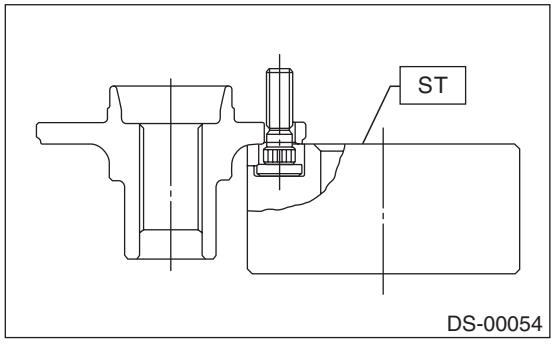
2) Using ST and a puller (common hand tool), remove bearing inner race.
ST1 399520105 SEAT
ST2 927080000 HUB STAND

CAUTION:
• Do not remove hub unit bearing unless damaged.
• Replace the removed hub unit bearing with new one.



3) Using ST, press hub bolt out.
ST 927080000 HUB STAND

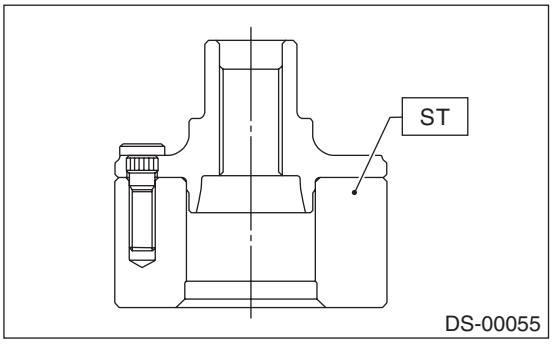
CAUTION:
Be careful not to hammer hub bolts. This may deform hub.



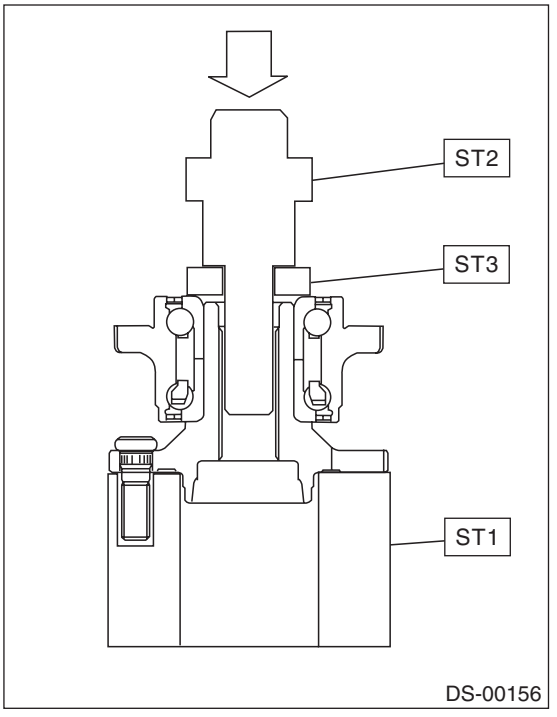
D: ASSEMBLY

1) Using ST, press new hub bolt into place.

CAUTION:
• Be sure to press hub bolt until their seating surfaces contact the hub.
• Using a 12 mm (0.47 in) hole in the ST, be careful not to tilt hub bolt during installation.
ST 927080000 HUB STAND



2) Using ST1, ST2 and ST3, press hub unit bearing into hub.
ST1 927080000 HUB STAND
ST2 927450000 HUB INSTALLER
ST3 28499AE000 SPACER



CAUTION:
• Always press inner race when installing hub unit bearing.
• Replace the removed hub unit bearing with new one.

E: INSPECTION

Check the removed parts for wear and damage. If defective, replace with new ones.

CAUTION:
If a bearing is faulty, replace bearing and races as a set with newone.