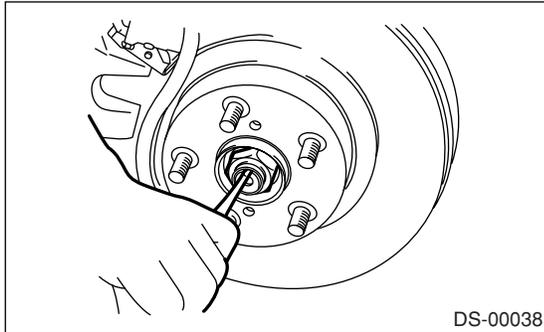


## 4. Front Hub Unit Bearing

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Lift-up the vehicle and remove the front wheels.
- 3) Unlock the axle nut.



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

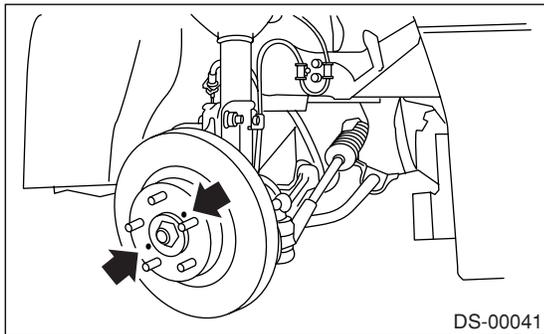
### CAUTION:

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

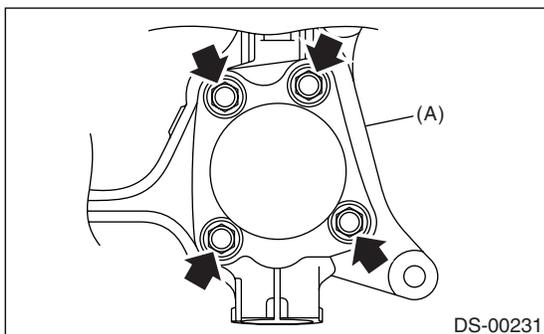
- 5) Remove the disc brake caliper from housing, and suspend it from strut using a wire.
- 6) Remove the disc rotor from hub.

### NOTE:

If the disc rotor seizes up within hub, drive disc rotor out by installing an 8-mm bolt in screw hole on rotor.



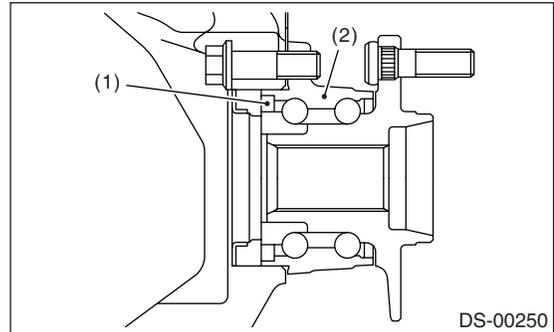
- 7) Remove four bolts from housing.



(A) Housing

### CAUTION:

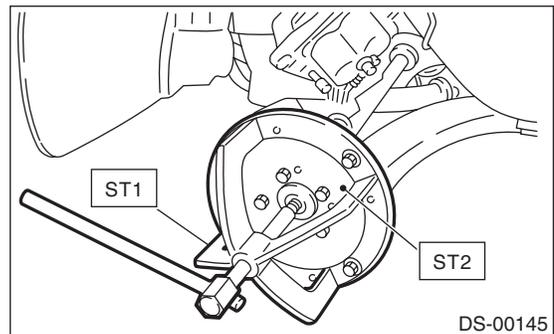
- Do not get closer the tool which charged magnetism to magnetic encorder.
- Be careful not to damage the magnetic encorder.



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

- 8) Remove the front hub unit bearing. If it is hard to remove, use STs.

ST1 926470000 AXLE SHAFT PULLER  
ST2 927140000 AXLE SHAFT PULLER PLATE

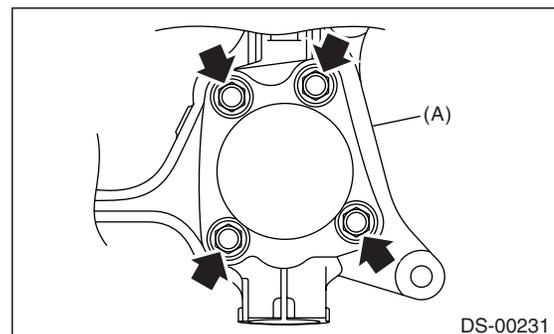


### B: INSTALLATION

- 1) Place the disc cover between housing and front hub unit, and tighten the four bolts.

### Tightening torque:

**65 N·m (6.6 kgf·m, 47.9 ft·lb)**



(A) Housing

# Front Hub Unit Bearing

## DRIVE SHAFT SYSTEM

- 2) Install the front drive shaft. <Ref. to DS-22, INSTALLATION, Front Drive Shaft.>
- 3) Tighten the axle nut temporarily.
- 4) Install the disc rotor on hub.
- 5) Install the disc brake caliper on the housing.

### Tightening torque:

**78 N·m (8.0 kgf·m, 57.9 ft·lb)**

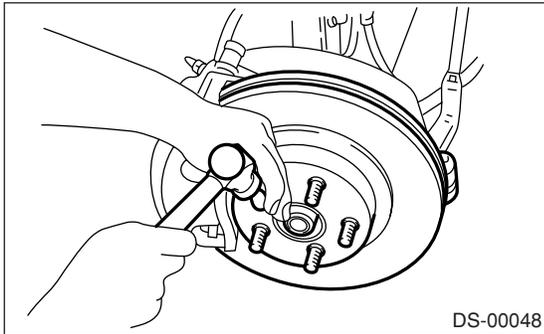
- 6) While depressing the brake pedal, tighten a new axle nut (olive color) to specified torque and lock it securely.

### Tightening torque:

**220 N·m (22.4 kgf·m, 162 ft·lb)**

### CAUTION:

- Install the wheel after installation of the axle nut. Failure to follow this rule may damage the wheel bearing.
  - Be sure to tighten the axle nut to specified torque. Do not overtighten it as this may damage wheel bearing.
- 7) After tightening the axle nut, lock it securely.



- 8) Install the wheel and tighten the wheel nuts to specified torque.

### Tightening torque:

**90 N·m (9.2 kgf·m, 66 ft·lb)**

## C: DISASSEMBLY

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

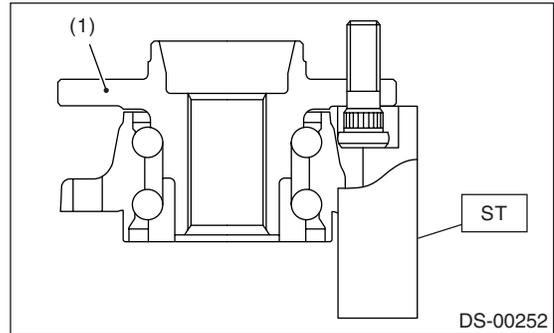
ST 28399AG000 HUB STAND

### CAUTION:

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

### NOTE:

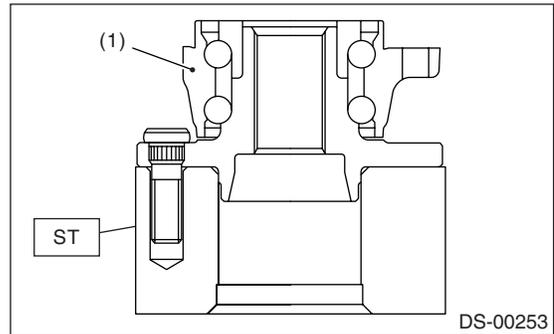
Since the hub unit bearing can not be disassembled, only hub bolts can be removed.



(1) Front hub unit bearing

## D: ASSEMBLY

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



(1) Front hub unit bearing

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

### NOTE:

Use 12 mm (0.47 in) dia. holes in HUB STAND to prevent bolts from tilting.

## E: INSPECTION

Refer to "FRONT AXLE" for inspection procedures. <Ref. to DS-16, INSPECTION, Front Axle.>

### CAUTION:

If there is any fault in the bearing, replace hub unit bearing.