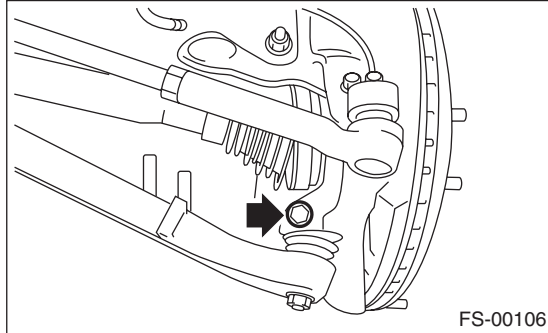


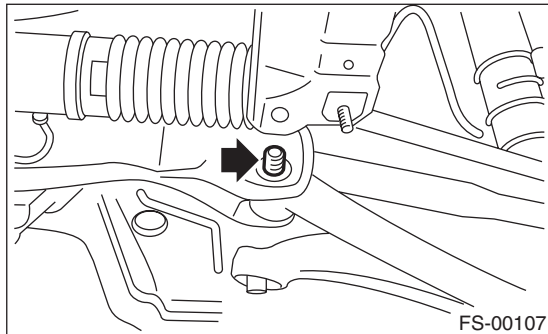
## 6. Front Arm

### A: REMOVAL

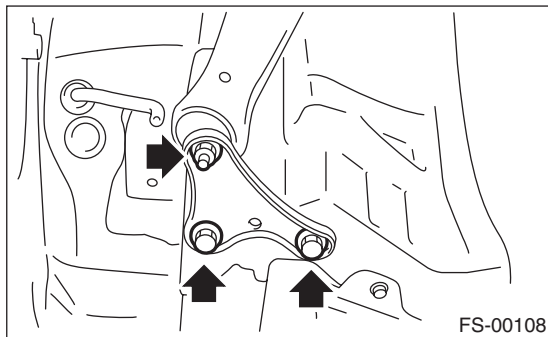
- 1) Lift-up the vehicle, and then remove the front wheels.
- 2) Remove the front crossmember support plate. <Ref. to FS-13, REMOVAL, Front Crossmember Support Plate.>
- 3) Remove the front stabilizer. <Ref. to FS-14, REMOVAL, Front Stabilizer.>
- 4) Remove the ball joint of front arm.



- 5) Remove the nut securing the front arm to crossmember. (Do not remove the bolt.)



- 6) Remove the front arm support plate.

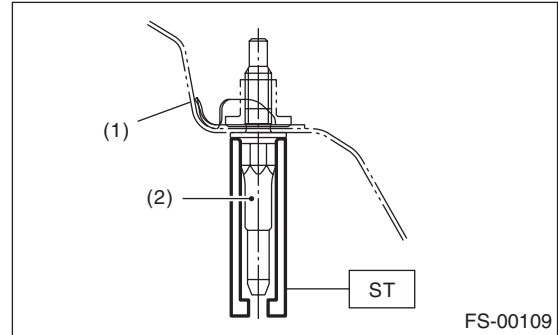


- 7) Remove the bolt securing front arm to crossmember and pull the front arm out of the crossmember.

- 8) To remove the stud bolt, use the ST.  
ST 20299AG020 STUD BOLT SOCKET

### CAUTION:

**Do not remove the stud bolt without necessity. Always replace the parts with new parts when removed.**



- (1) Vehicle body
- (2) Stud bolt

### B: INSTALLATION

- 1) Using the ST, install the stud bolt.  
ST 20299AG020 STUD BOLT SOCKET

#### Tightening torque:

**110 N·m (11.2 kgf-m, 81.1 ft-lb)**

- 2) Using new bolts and self-locking nuts, temporarily tighten the front arm to crossmember.
- 3) Secure the front arm to body, and then install the support plate with new bolts and self-locking nuts.

#### Tightening torque:

**Support plate to Front arm:**

**110 N·m (11.2 kgf-m, 81.1 ft-lb)**

**Support plate to Body:**

**150 N·m (15.3 kgf-m, 110.6 ft-lb)**

- 4) Install the ball joint into housing.

#### Tightening torque:

**50 N·m (5.1 kgf-m, 36.9 ft-lb)**

- 5) Install the stabilizer. <Ref. to FS-14, INSTALLATION, Front Stabilizer.>

- 6) Lower the vehicle from lift, and tighten the bolt which secures the front arm to crossmember with wheels in full contact with the ground and the vehicle at curb weight.

#### Tightening torque:

**95 N·m (9.7 kgf-m, 70.1 ft-lb)**

### NOTE:

Inspect the wheel alignment and adjust if necessary.

# Front Arm

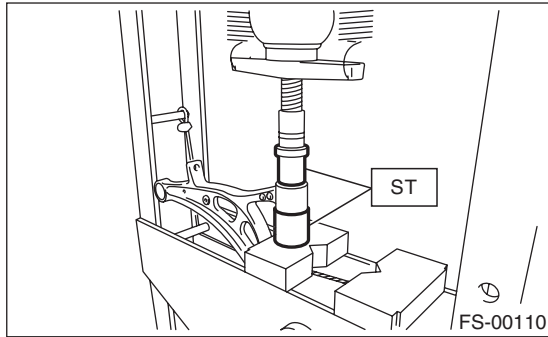
## FRONT SUSPENSION

### C: DISASSEMBLY

#### 1. FRONT BUSHING

Using the ST and a press, remove the front bushing.

ST 927680000 INSTALLER & REMOVER SET

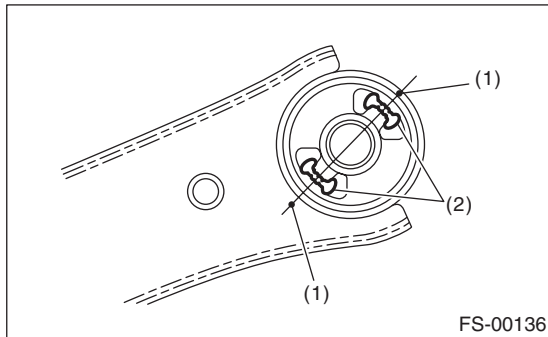


#### 2. REAR BUSHING

1) Put an alignment mark on the front arm based on the center of rear bushing recess portion.

#### CAUTION:

Always put an alignment mark for aligning the position on bushing installation.

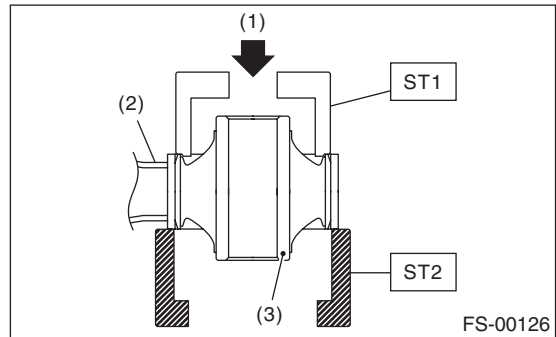


- (1) Put an alignment mark.
- (2) Recess section

2) Using the ST and a press, remove the rear bushing.

ST1 20299AG000 REMOVER

ST2 20299AG010 BASE



- (1) Press
- (2) Front arm
- (3) Rear bushing

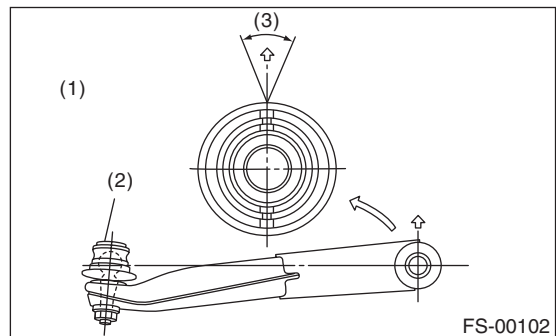
### D: ASSEMBLY

#### 1. FRONT BUSHING

Assemble in the reverse order of disassembly.

#### CAUTION:

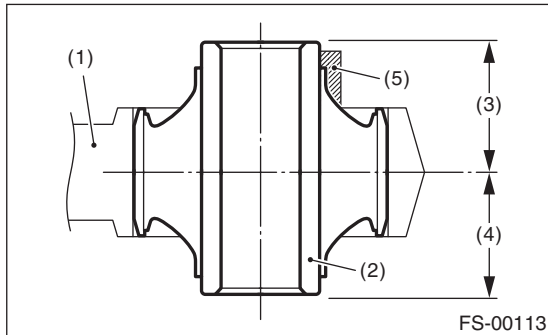
Install the front bushing in proper direction as shown in the figure.



- (1) Face the bushing toward the center of ball joint.
- (2) Ball joint
- (3)  $\pm 3^\circ$

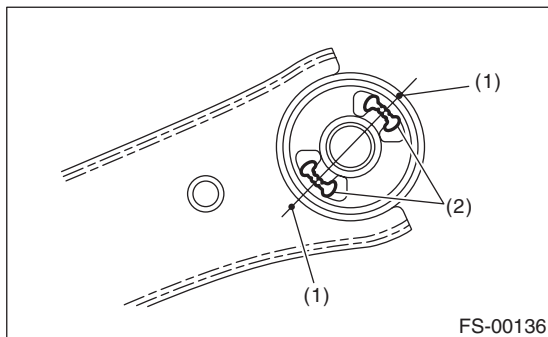
## 2. REAR BUSHING

1) Install the rear bushing with its longer inner cylinder facing upward and the shorter facing downward and protruding part rearward as shown in the figure.



- (1) Front arm
- (2) Bushing inner cylinder
- (3) Longer
- (4) Shorter
- (5) Protrusion portion

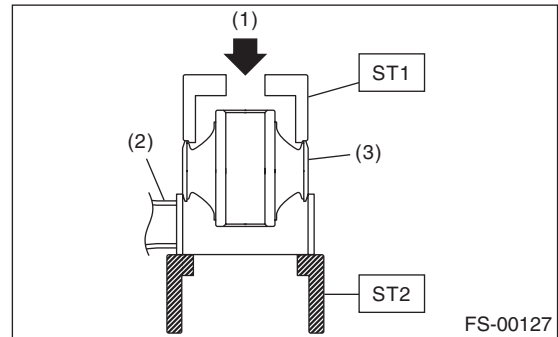
2) Align the center of rear bushing recess portion with the aligning mark on the front arm.



- (1) Alignment mark
- (2) Recess section

3) Using the ST and a press, install the rear bushing.

- ST1 20299AG000 REMOVER
- ST2 20299AG010 BASE



- (1) Press
- (2) Front arm
- (3) Rear bushing

## E: INSPECTION

- 1) Check the front arm for damage or cracks, and correct or replace if defective.
- 2) Check the bushing for abnormal fatigue or damage.