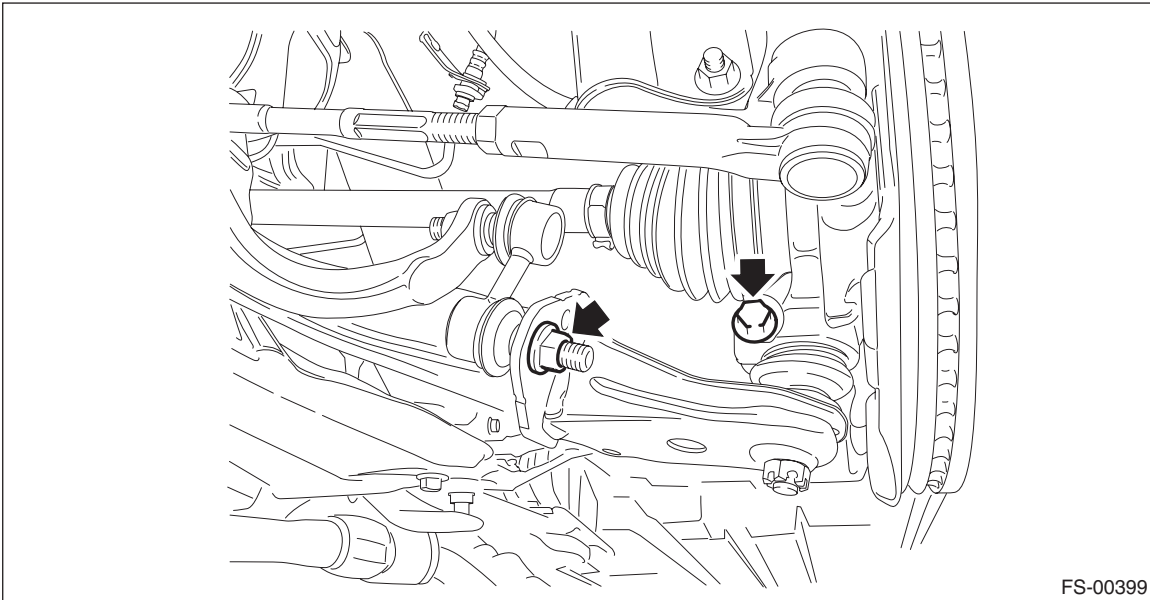


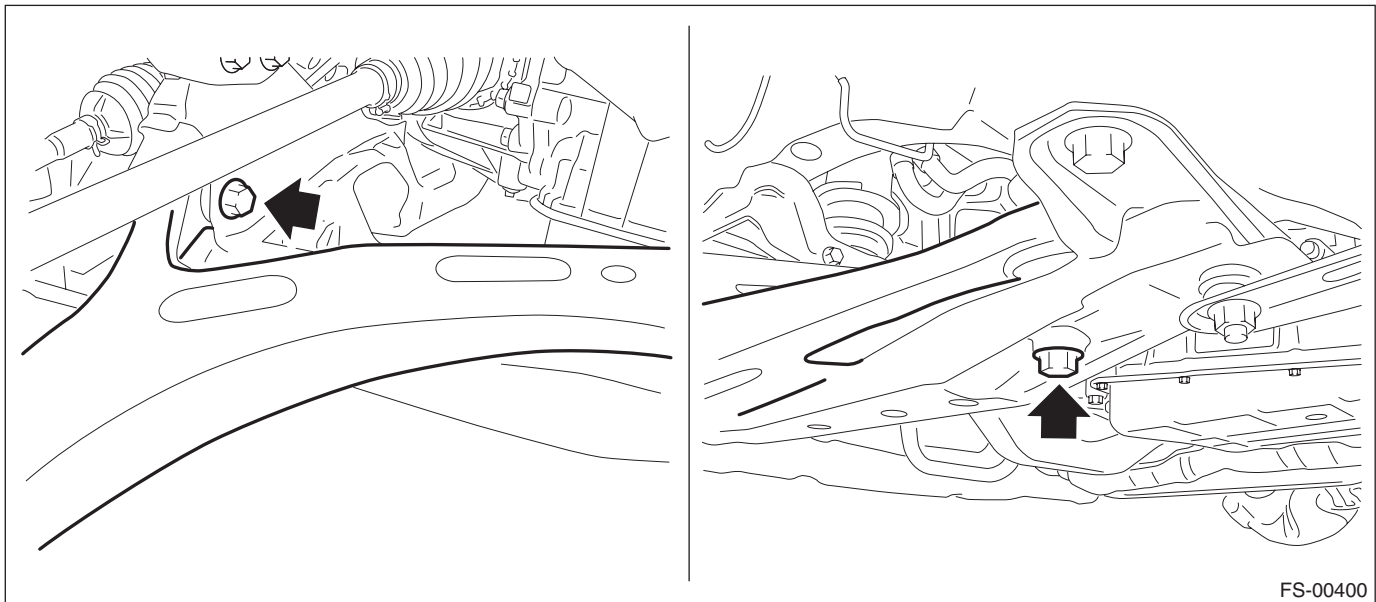
6. Front Arm

A: REMOVAL

- 1) Lift up the vehicle, and then remove the front wheels.
- 2) Remove the front arm.
 - (1) Remove the nut and disconnect the front stabilizer link.
 - (2) Remove the bolt, and then remove the ball joint for the front arm.



- (3) Remove the bolts, then remove the front arm.



B: INSTALLATION

1) Before installation, inspect the following items and replace any faulty part with a new one.

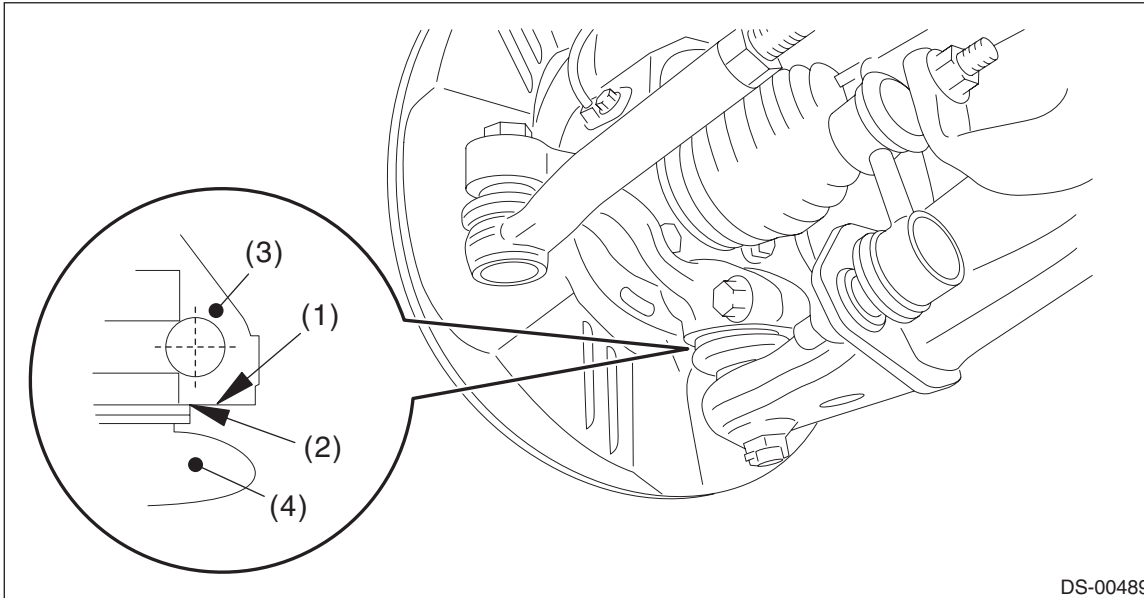
- Check the front arm for damage or cracks, and replace if defective.
- Visually check the bushing for abnormal cracks, fatigue or damage.
- Visually check the dust cover on the ball joint for damage.

2) Using new self-locking nuts, temporary tighten the front arm.

3) Install the ball joint to the front axle housing.

CAUTION:

Before tightening, make sure the lower side of front axle housing and stepped section of ball joint are in contact.



(1) Lower side of front axle housing

(3) Front axle housing

(4) Ball joint

(2) Raised section of ball joint

Tightening torque:

50 N·m (5.1 kgf-m, 36.9 ft-lb)

4) Install the stabilizer link.

Tightening torque:

60 N·m (6.1 kgf-m, 44.3 ft-lb)

5) Install the front wheels.

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

Tightening torque:

Front bushing side: 95 N·m (9.7 kgf-m, 70.1 ft-lb)

Rear bushing side: 140 N·m (14.3 kgf-m, 103.3 ft-lb)

7) Inspect the wheel alignment and adjust if necessary.

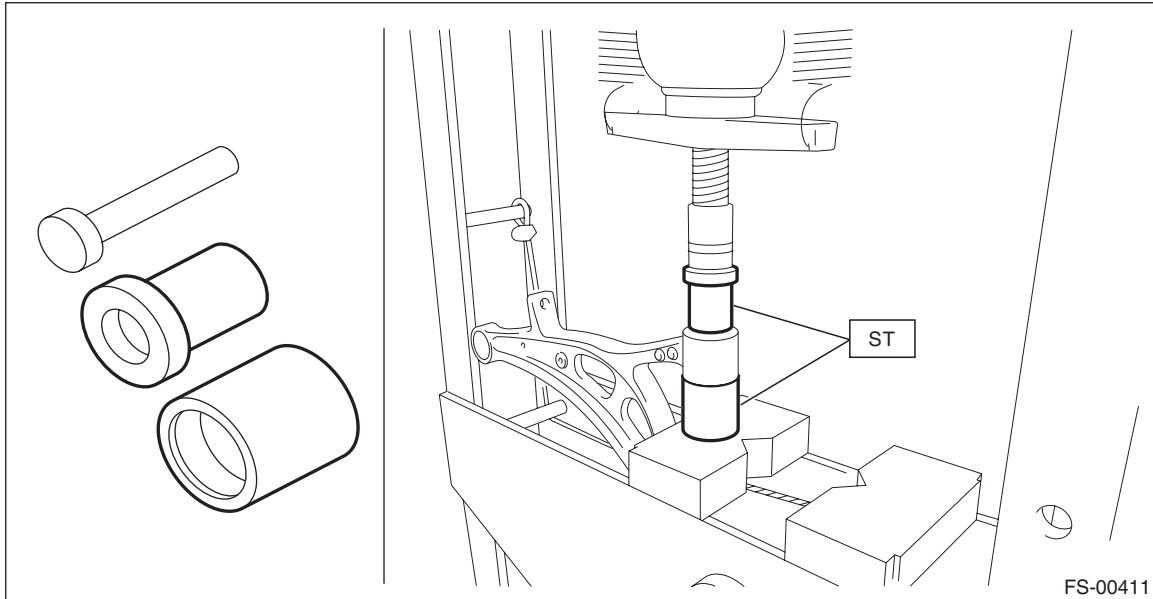
C: DISASSEMBLY

1. FRONT BUSHING

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

PREPARATION TOOL:

ST: INSTALLER & REMOVER SET (927680000)

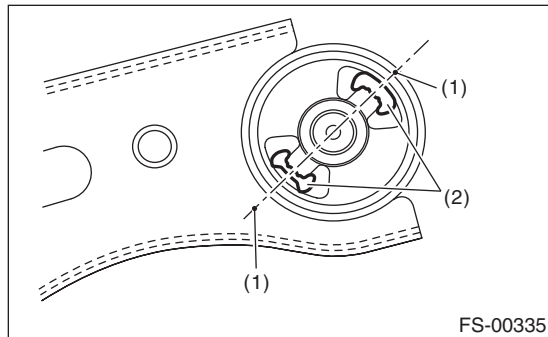


2. REAR BUSHING

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.



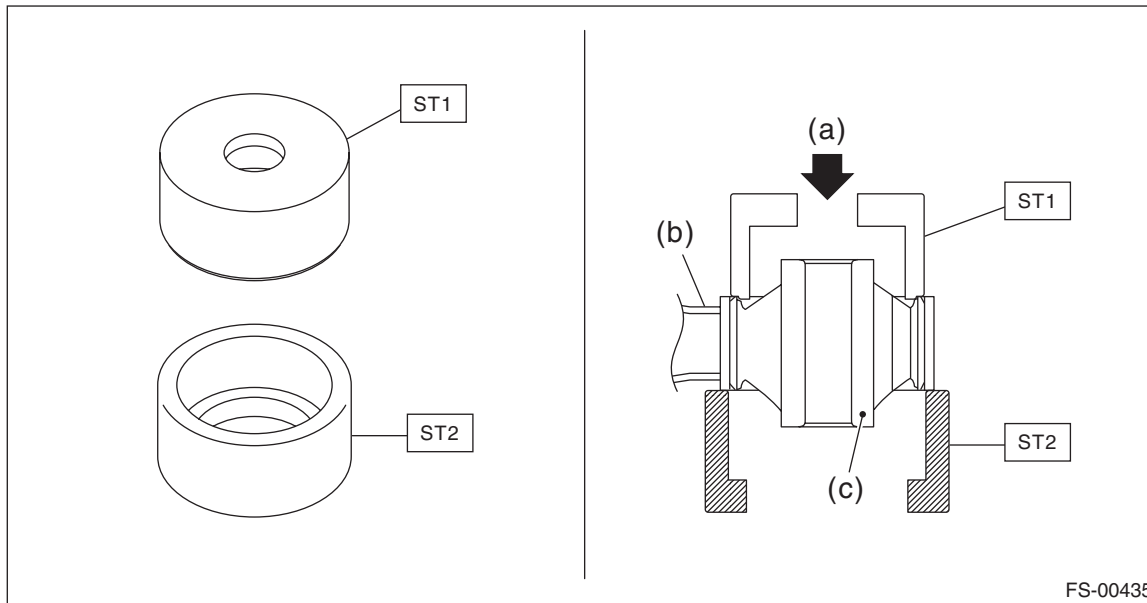
- (1) Put an alignment mark.
- (2) Recess section

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

PREPARATION TOOL:

ST1: REMOVER (20299AG000)

ST2: BASE (20299AG010)



(a) Press

(b) Front arm

(c) Rear bushing

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D: ASSEMBLY

1. FRONT BUSHING

1) Before assembly, inspect the following items and replace any faulty part with a new one.

- Check the front arm for damage or cracks, and replace if defective.
- Visually check the bushing for abnormal cracks, fatigue or damage.
- Visually check the dust cover on the ball joint for damage.

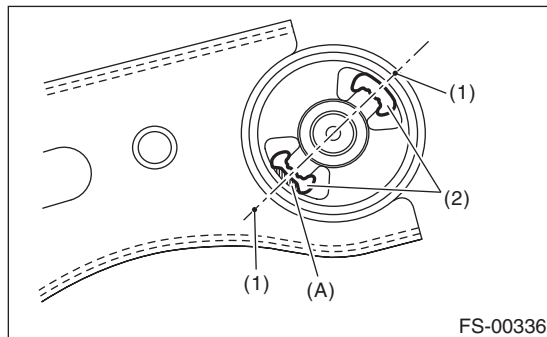
2) Assemble each part in the reverse order of disassembly.

2. REAR BUSHING

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Check the front arm for damage or cracks, and replace if defective.
- Visually check the bushing for abnormal cracks, fatigue or damage.
- Visually check the dust cover on the ball joint for damage.

2) Align the center of recess portion with the alignment mark on the front arm, with the protrusion (A) of recess portion facing the front side of vehicle.



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(1) Alignment mark

(2) Recess section

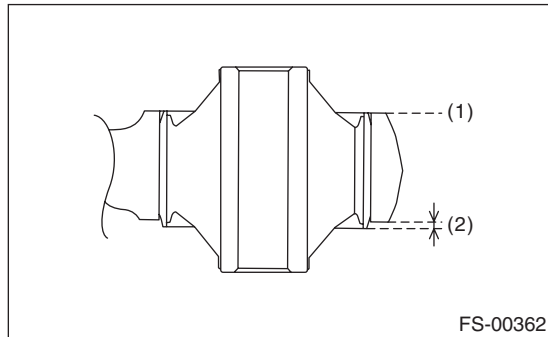
Front Arm

FRONT SUSPENSION

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

CAUTION:

Align the upper face of front arm and the end of bushing during installation.



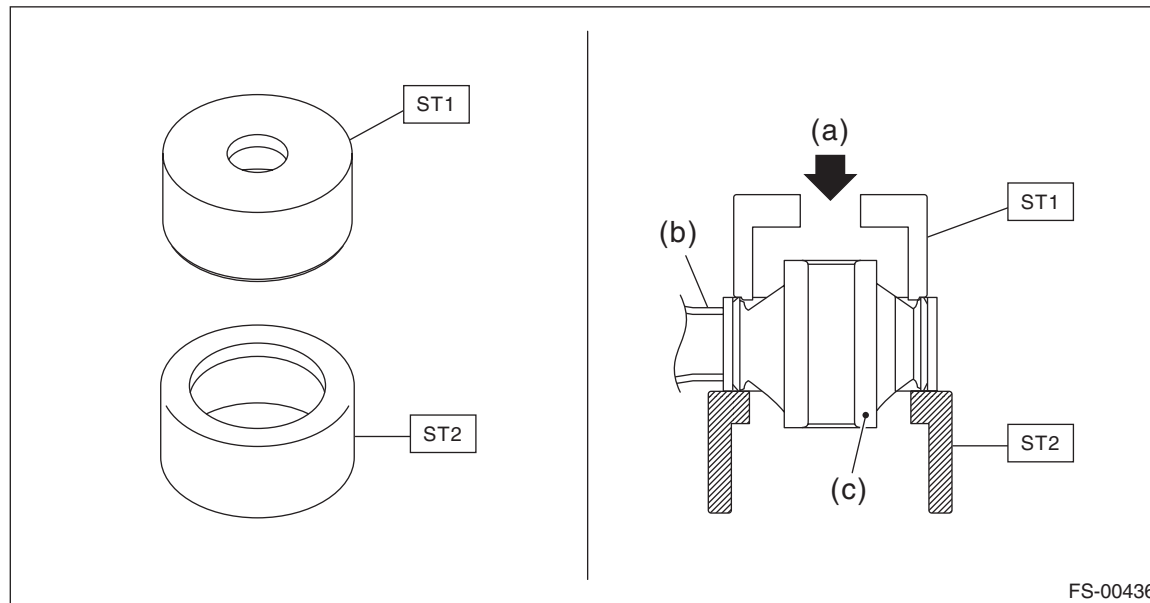
(1) Aligned

(2) Not aligned

PREPARATION TOOL:

ST1: REMOVER (20299AG000)

ST2: BASE (20299AG010)



(a) Press

(b) Front arm

(c) Rear bushing