

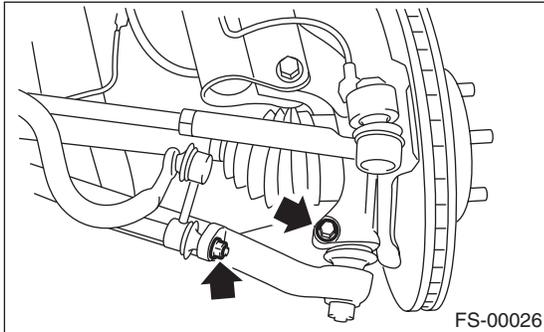
Front Transverse Link

FRONT SUSPENSION

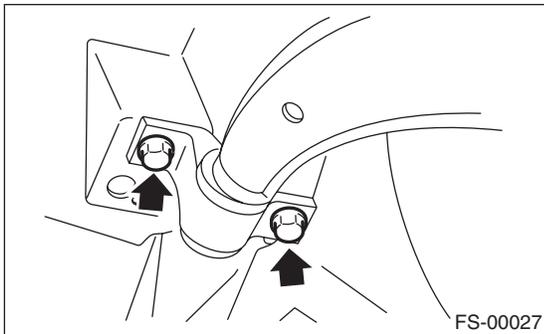
3. Front Transverse Link

A: REMOVAL

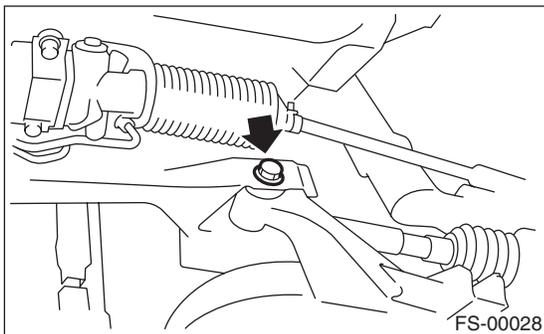
- 1) Set the vehicle on a lift.
- 2) Lift up the vehicle, and remove the wheels.
- 3) Remove the sub frame. <Ref. to FS-23, REMOVAL, Sub Frame.>
- 4) Remove the stabilizer link from the transverse link.
<Ref. to FS-21, REMOVAL, Front Stabilizer.>
- 5) Remove the bolt securing the ball joint of the transverse link to the housing.



- 6) Remove the nut securing the transverse link to the crossmember. (Do not remove the bolt.)
- 7) Remove the two bolts securing the bushing bracket of the transverse link to the rear bushing location on the body.



- 8) Extract the ball joint from housing.
- 9) Remove the bolt securing the transverse link to crossmember and extract the transverse link from the crossmember.



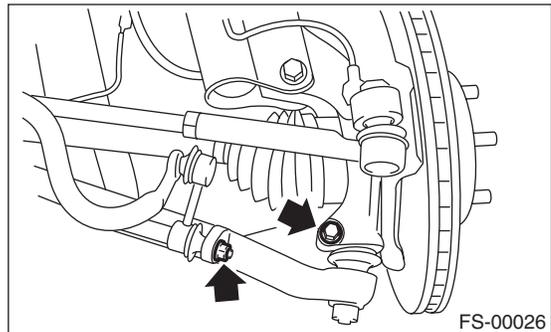
B: INSTALLATION

- 1) Temporarily tighten the two bolts used to secure the transverse link to the body.

NOTE:

These bolts securing the bushings are tightened to a point where they can still move back and forth in the oblong shaped hole in the bracket.

- 2) Install the bolts which connect the transverse link to the crossmember, and temporarily tighten with a new self-locking nut.
- 3) Insert the ball joint into housing.
- 4) Connect the stabilizer link to the transverse link, and temporarily tighten the new self-locking nuts.



- 5) Tighten the following points in the order shown below when the wheels are in full contact with the ground and vehicle is at curb weight (empty).
 - (1) Between transverse link and stabilizer

Tightening torque:

45 N·m (4.6 kgf-m, 33 ft-lb)

- (2) Between transverse link and crossmember

Tightening torque:

125 N·m (12.7 kgf-m, 92.3 ft-lb)

- (3) Between transverse link rear bushing and body

Tightening torque:

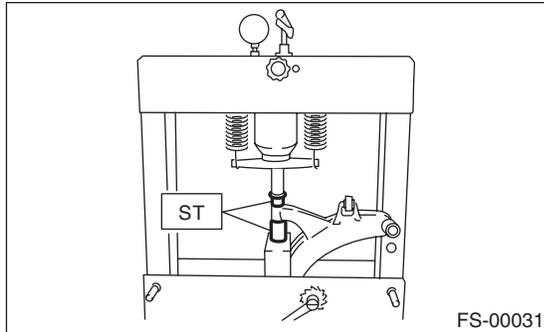
250 N·m (25.5 kgf-m, 184 ft-lb)

- 6) Inspect the wheel alignment and adjust if necessary.

C: DISASSEMBLY

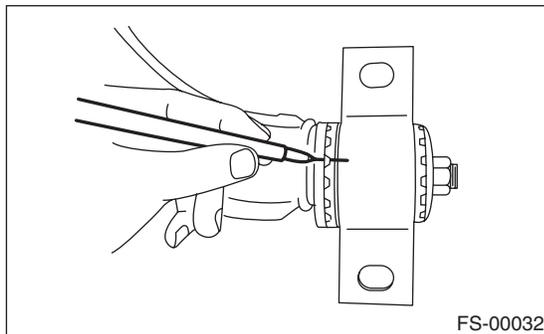
1. FRONT BUSHING

Using the ST, press the front bushing out of place.
 ST 927680000 INSTALLER & REMOVER SET



2. REAR BUSHING

- 1) Place alignment marks on the transverse link and rear bushing.
- 2) Loosen the nut and remove the rear bushing.



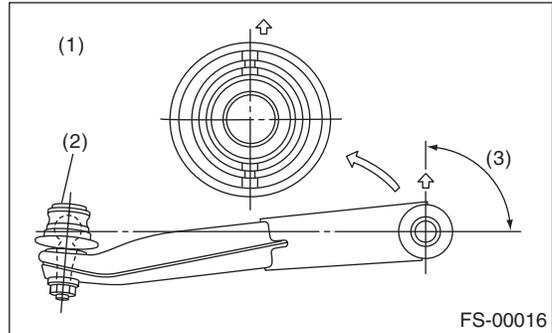
D: ASSEMBLY

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) $90^{\circ} \pm 3^{\circ}$

2. REAR BUSHING

- 1) Attach the rear bushing to the transverse link and align to the aligning marks.
- 2) Attach and tighten a new self-locking nut.

NOTE:

While holding the rear bushing so as not to change position of aligning marks, tighten the self-locking nut.

Tightening torque:

190 N·m (19.4 kgf-m, 140 ft-lb)

E: INSPECTION

- 1) Check the transverse link for wear, damage and cracks, and correct or replace if defective.
- 2) Check the bushing for abnormal fatigue or damage.
- 3) Check the rear bushing for oil leaks.