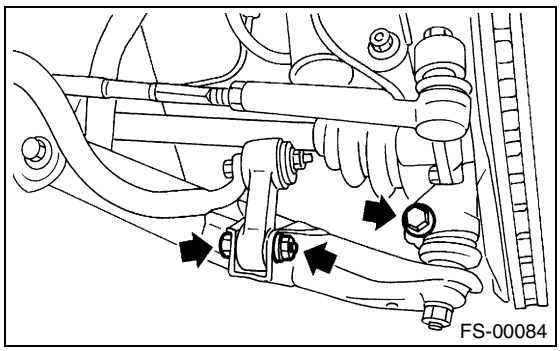
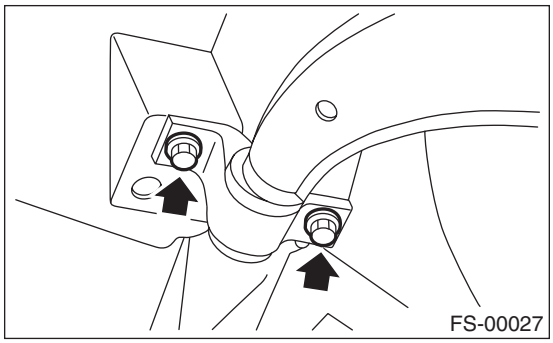
4. Front Transverse Link

A: REMOVAL

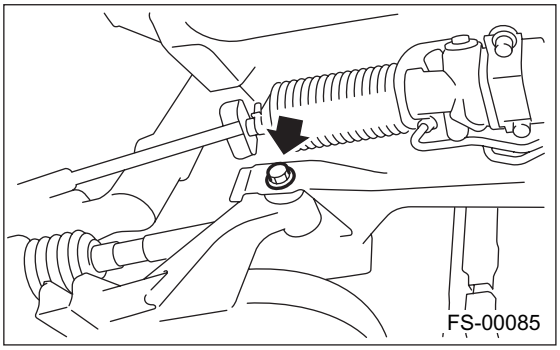
1) Set the vehicle on the lift.
2) Disconnect the ground terminal from battery.
3) Lift-up the vehicle and remove the wheel.
4) Remove the sub frame. <Ref. to FS-16, REMOVAL, Sub Frame.>
5) Disconnect the stabilizer link from transverse link.
6) Remove the bolt securing the ball joint of transverse link to housing.



7) Remove the nut (do not remove bolt.) securing the transverse link to crossmember.
8) Remove the two bolts securing the bushing bracket of transverse link to vehicle body at rear bushing location.



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



B: INSTALLATION

1) Temporarily tighten the two bolts used to secure the rear bushing of the transverse link to body.

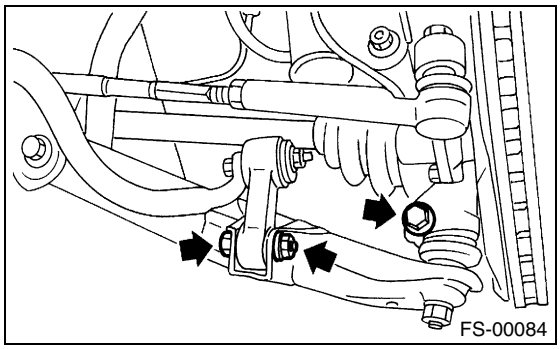
NOTE:
These bolts should be tightened to such an extent that they can still move back and forth in the oblong shaped hole in the bracket (which holds the bushing).

2) Install the bolts used to connect the transverse link to crossmember and temporarily tighten with nut.

CAUTION:
Discard the loosened self-locking nut and replace with a new one.

3) Insert the ball joint into housing.
4) Connect the stabilizer link to transverse link, and temporarily tighten bolts.

CAUTION:
Discard the loosened self-locking nut and replace with a new one.



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

Tightening torque:
Sedan Turbo model:
45 N·m (4.6 kgf-m, 33 ft-lb)
Except sedan Turbo model:
30 N·m (3.1 kgf-m, 22 ft-lb)

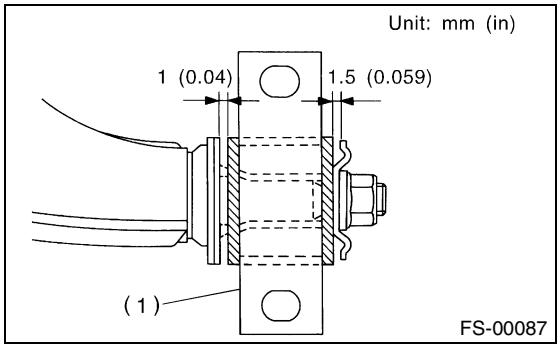
(2) Transverse link and crossmember

Tightening torque:
100 N·m (10.2 kgf-m, 74 ft-lb)

(3) Transverse link rear bushing and body

Tightening torque:
250 N·m (25.5 kgf-m, 184 ft-lb)

NOTE:
• Move the rear bushing back and forth until transverse link-to-rear bushing clearance is established (as indicated in figure.) before tightening.



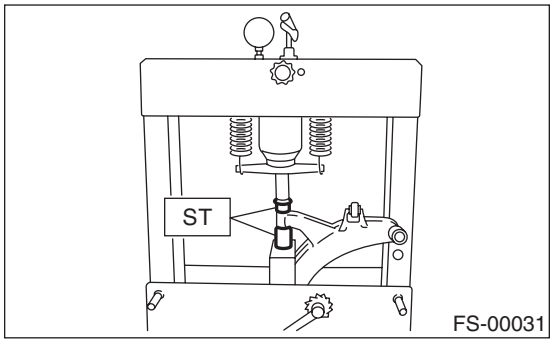
(1) Rear bushing

6) Install the sub frame. <Ref. to FS-16, INSTALLATION, Sub Frame.>
7) Inspect the wheel alignment and adjust if necessary. <Ref. to FS-8, Wheel Alignment.>

C: DISASSEMBLY

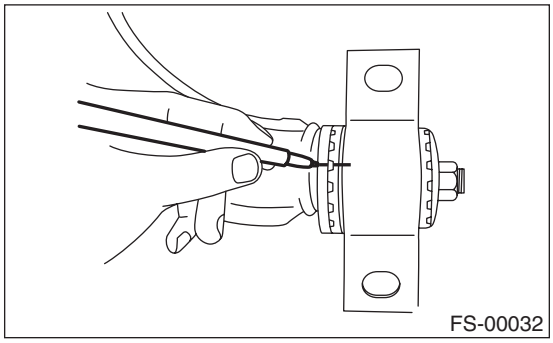
1. FRONT BUSHING

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



2. REAR BUSHING

1) Scribe an aligning mark on the transverse link and rear bushing.
2) Loosen the nut and remove the rear bushing.

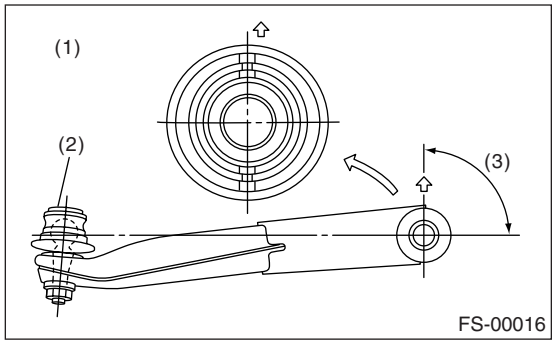


D: ASSEMBLY

1. FRONT BUSHING

To reassemble, reverse disassembly procedures.

CAUTION:
Install the front bushing in correct direction, as shown in the figure.



(1) Face bushing toward center of ball joint
(2) Ball joint

2. REAR BUSHING

1) Install the rear bushing to transverse link and align the aligning marks scribed on the two.
2) Tighten the self-locking nut.

CAUTION:
• Discard the loosened self-locking nut and replace with a new one.
• 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 bushings for cracks, fatigue or damage.
3) Check the rear bushing for oil leaks.