REAR LEAF SPRING

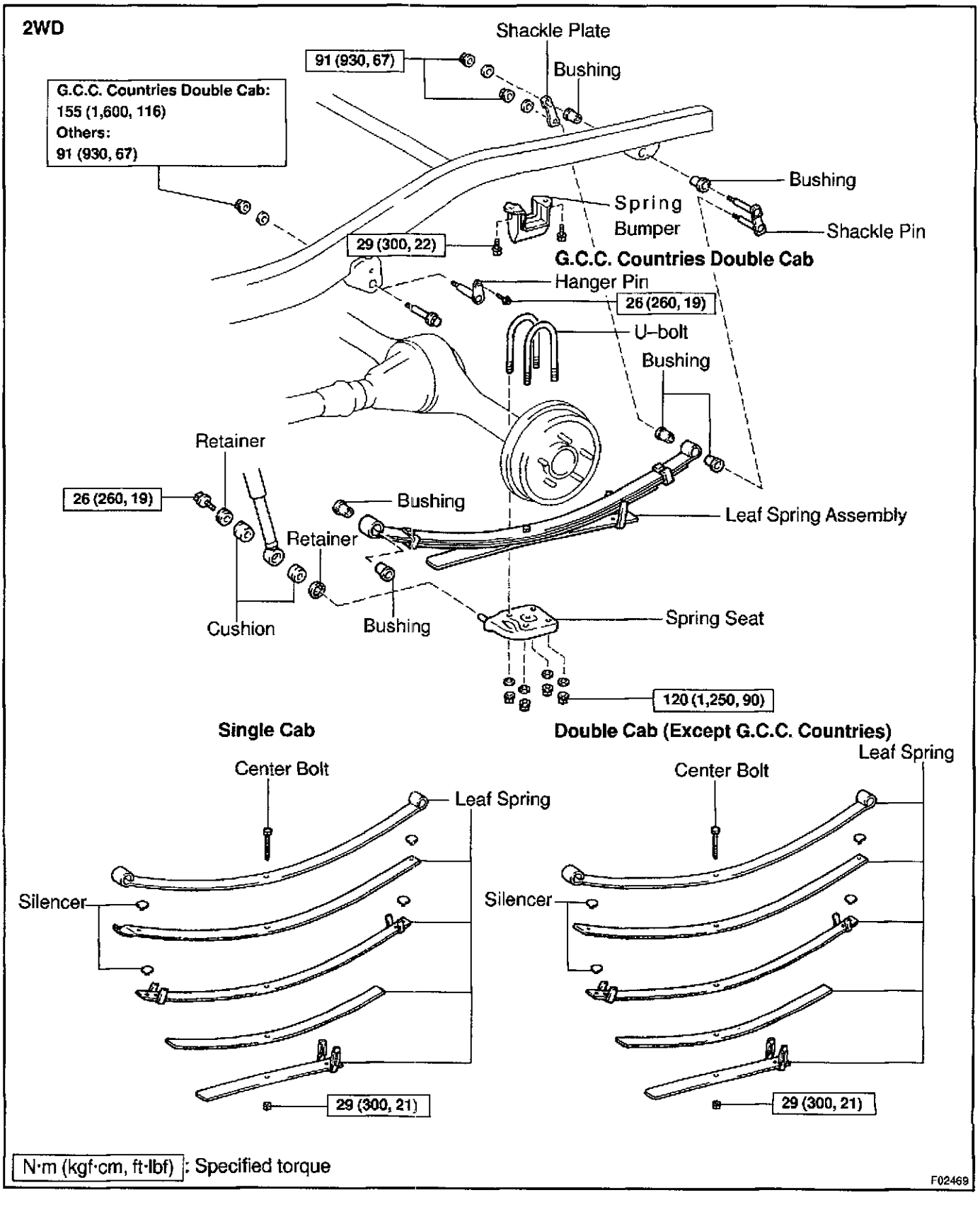
COMPONENTS

SA0DL-02

HINT:

Prerunner is the model described below.

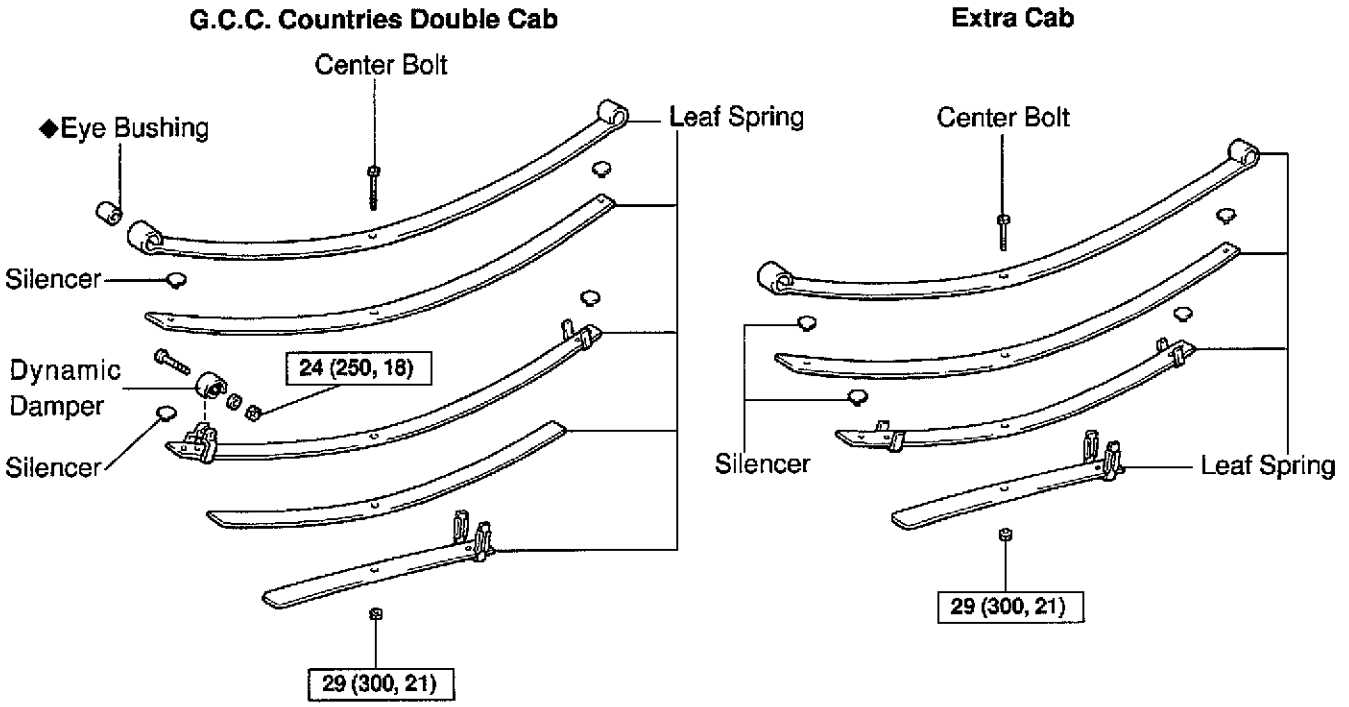
RZN193L–PRMDK, LN191L–PRMDS



N·m (kgf·cm, ft·lbf) : Specified torque

F02469

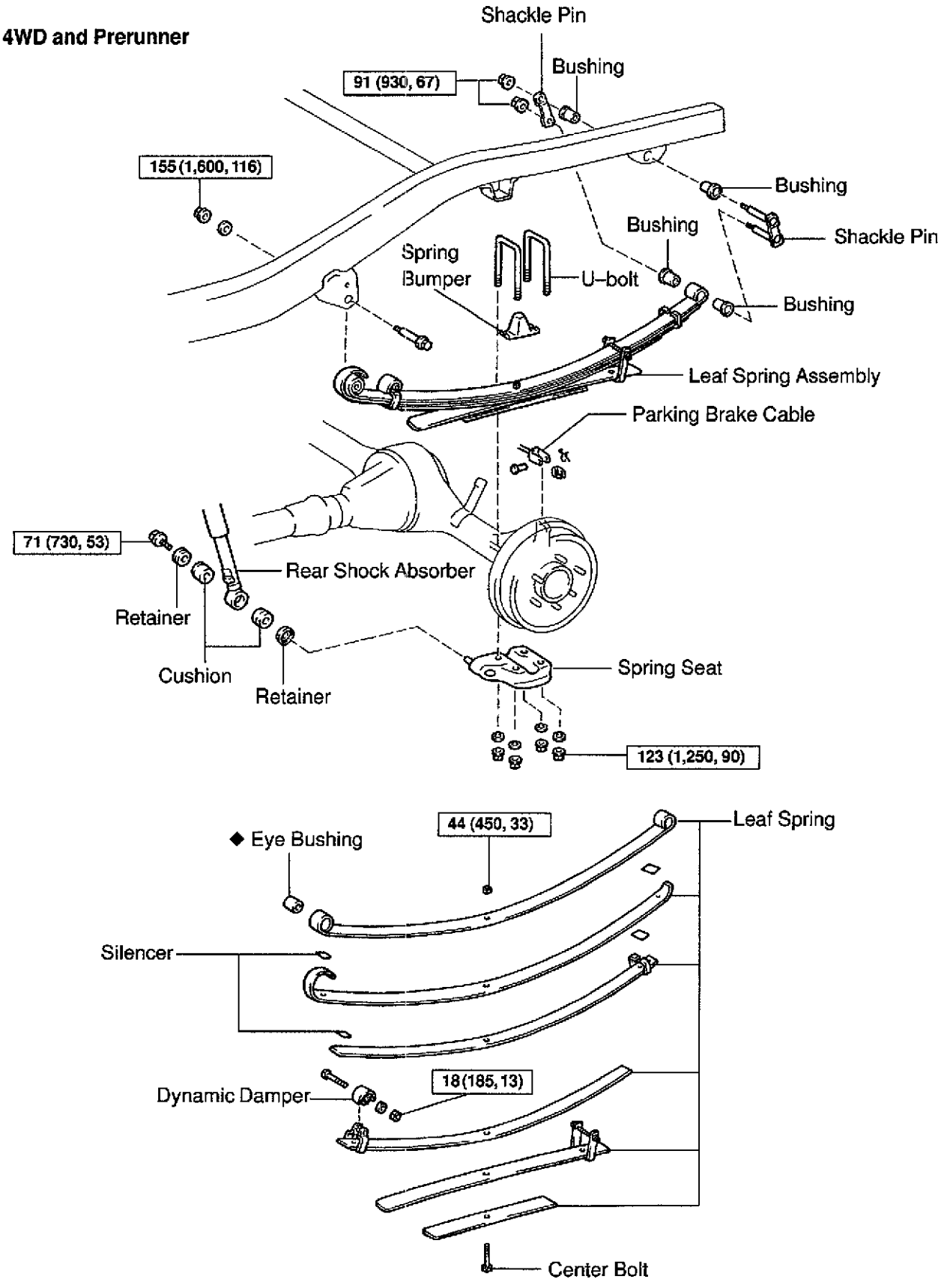
2WD



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non–reusable part

F02501

4WD and Prerunner



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non–reusable part

F02500

SA0C3-02

REMOVAL

1. SUPPORT BODY

(a) Jack up and support the body on stands.

(b) Lower the axle housing until the leaf spring tension is free, and keep it in this position.

2. REMOVE REAR WHEEL

Torque:
2WD:
Australia Gasoline Engine:
150 N·m (1,500 kgf·cm, 108 ft·lbf)
Others:
140 N·m (1,400 kgf·cm, 101 ft·lbf)
4WD and Prerunner:
105 N·m (1,050 kgf·cm, 76 ft·lbf)

3. 4WD and Prerunner:
DISCONNECT PARKING BRAKE CABLE

4. DISCONNECT REAR SHOCK ABSORBER

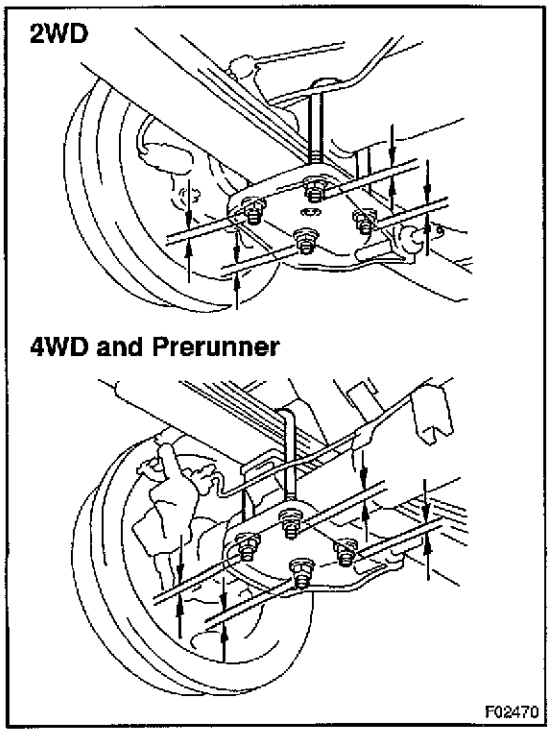
Remove the bolt, 2 retainers, and cushions and disconnect the shock absorber from the spring seat.

Torque:
2WD: 26 N·m (260 kgf·cm, 19 ft·lbf)
4WD and Prerunner: 71 N·m (730 kgf·cm, 53 ft·lbf)

HINT:

Except 2WD and Europe 4WD:

At the time of installation, install the left side shock absorber, with facing the protector toward the front side of the vehicle.



5. REMOVE U–BOLTS

(a) Remove the 4 U–bolt mounting nuts and washers.

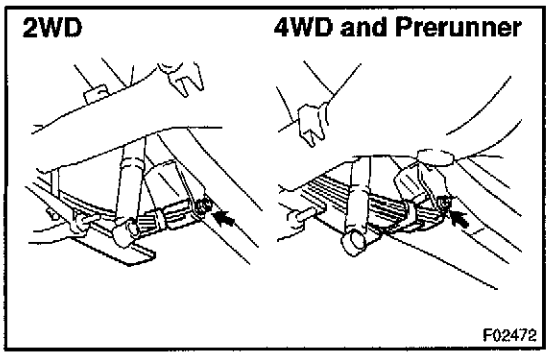
(b) Remove the spring seat and U–bolts.

Torque: 120 N·m (1,250 kgf·cm, 90 ft·lbf)

HINT:

At the time of installation, when tighten the U–bolts, tighten the nuts diagonally so that the lengths shown by arrows in the illustration are the same.

(c) 4WD and Prerunner:
Remove the spring bumper.

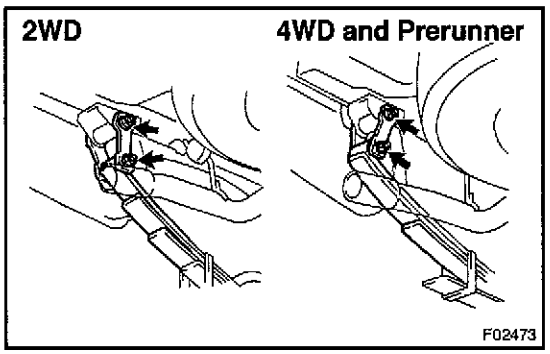


6. REMOVE LEAF SPRING

(a) Except G.C.C. countries 2WD double cab:
Remove the bolt from the hanger pin.
Torque: 26 N·m (260 kgf·cm, 19 ft·lbf)

(b) Remove the nut, washer and hanger pin bolt.
Torque:
2WD G.C.C. Countries Double Cab and 4WD:
155 N·m (1,600 kgf·cm, 116 ft·lbf)
Others:
91 N·m (930 kgf·cm, 67 ft·lbf)

HINT:
At the time of installation, after stabilizing the suspension, torque the nut.



(c) Remove the 2 shackle pin mounting nuts and washers.
Torque: 91 N·m (930 kgf·cm, 67 ft·lbf)

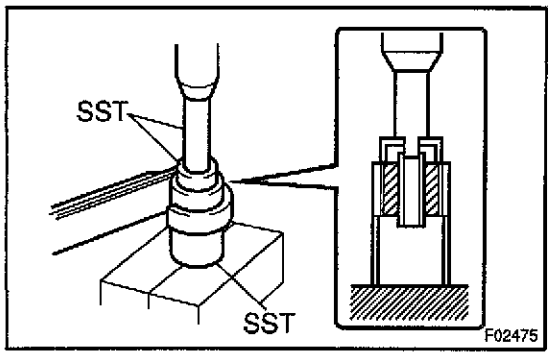
HINT:
At the time of installation, after stabilizing the suspension, torque the nut.

(d) Remove the shackle pin, plate, 4 bushings and rear leaf spring.

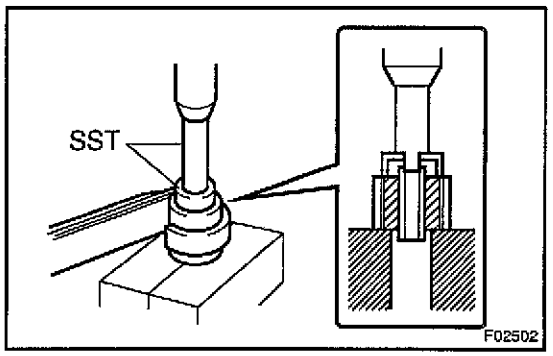
SA0OM-01

REPLACEMENT

1. REPLACE EYE BUSHING

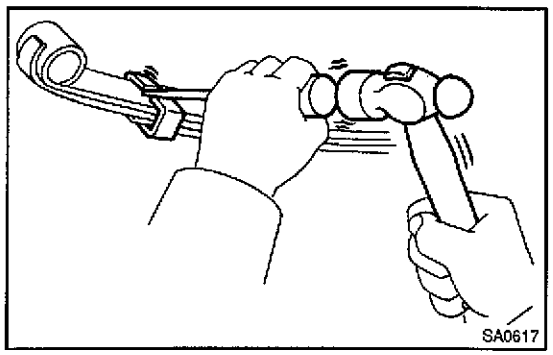


(a) Using SST and a press, remove the bushing.
SST 09710–04051, 09710–04081, 09950–70010 (09951–07100)



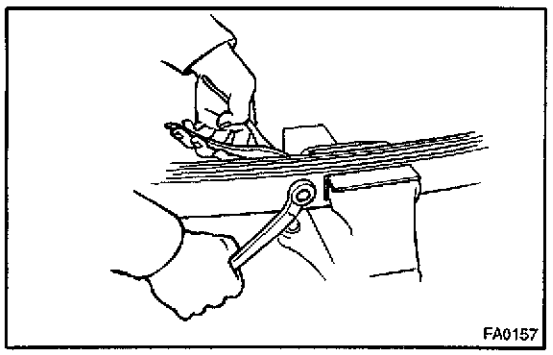
(b) Using SST and a press, install a new bushing.
SST 09710–04071, 09950–70010 (09951–07100)

2. REPLACE LEAF SPRING

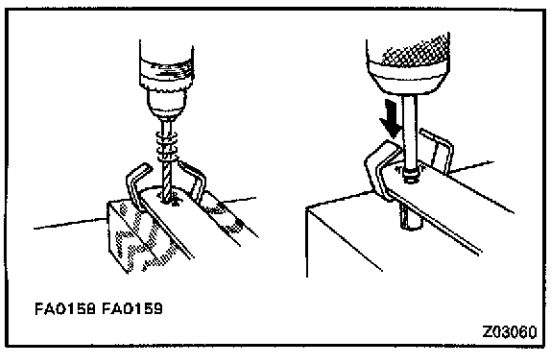


(a) w/ Dynamic damper:
Remove the nut, washer, bolt and dynamic damper.

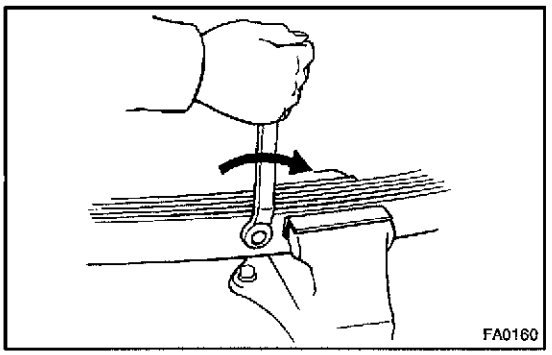
(b) Bend to open the spring clip.
Using a chisel and hammer, pry up the spring clip.



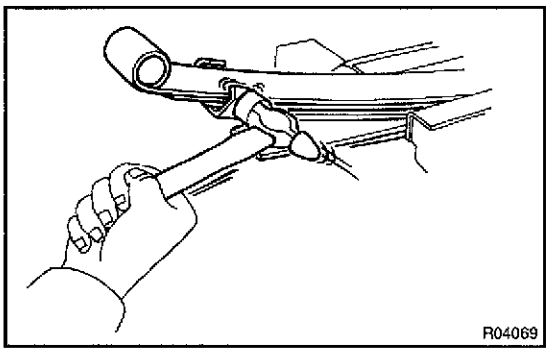
(c) Remove the center bolt.
Hold the spring near the center bolt in a vise and remove the center bolt.



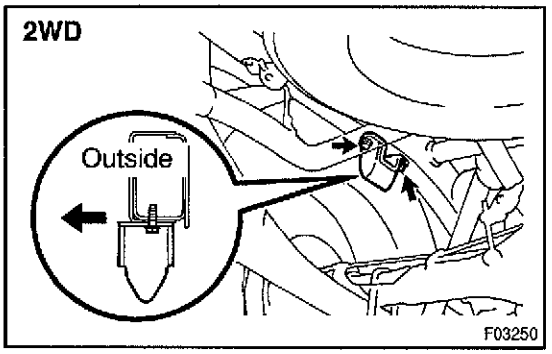
(d) Replace the spring clip.
(1) Drill off the head of the rivet and drive it out.
(2) Install a new rivet into the holes of the leaf spring and clip. Then rivet with a press.



(e) Install spring center bolt.
(1) Align the leaf holes and secure the leaves with a vise.
(2) Install the spring center bolt.
Torque:
2WD: 29 N·m (300 kgf·cm, 21 ft·lbf)
4WD and Prerunner: 44 N·m (450 kgf·cm, 33 ft·lbf)



(f) Bend the spring clip.
Using a hammer, bend the spring clip into the position.
(g) w/ Dynamic damper:
Install the dynamic damper, bolt, washer and nut.
Torque:
2WD: 24 N·m (250 kgf·cm, 18 ft·lbf)
4WD and Prerunner: 18 N·m (185 kgf·cm, 13 ft·lbf)



3. 2WD:
REPLACE SPRING BUMPER
(a) Support the body.
(1) Jack up and support the body on stands.
(2) Lower the axle housing until the leaf spring tension is free, and keep it in this position.
(b) Remove the 2 bolts and spring bumper.
(c) Install the spring bumper and 2 bolts.
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

SA0C5-02

INSTALLATION

Installation is in the reverse order of removal (See page SA–266).