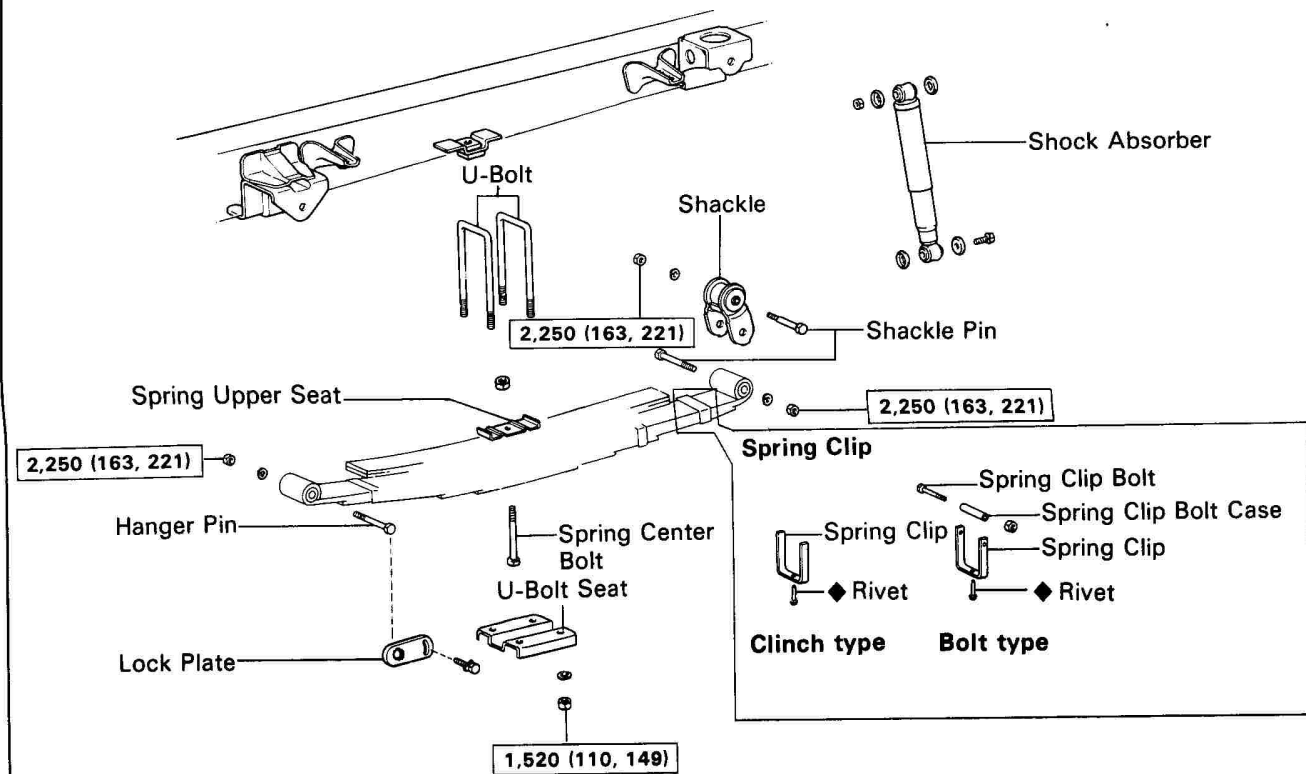


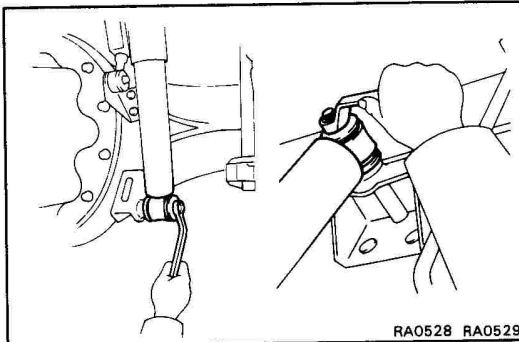
REAR SUSPENSION (BU, YU, RU series) COMPONENTS



kg-cm (ft-lb, N-m) : Tightening torque

◆ : Non-reusable part

RA0443



Rear Shock Absorber

REPLACEMENT OF REAR SHOCK ABSORBER

1. DISCONNECT SHOCK ABSORBER LOWER SIDE
2. DISCONNECT SHOCK ABSORBER UPPER SIDE
3. CONNECT SHOCK ABSORBER UPPER SIDE

Torque:

Single tire and dump

360 kg-cm (26 ft-lb, 35 N·m)

Others 670 kg-cm (48 ft-lb, 66 N·m)

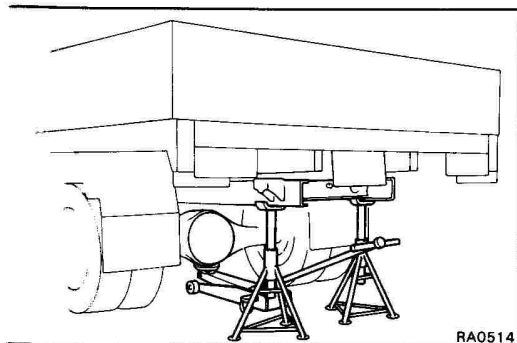
4. CONNECT SHOCK ABSORBER LOWER SIDE

Torque:

Long deck, dump (BU only) and BU62

360 kg-cm (26 ft-lb, 35 N·m)

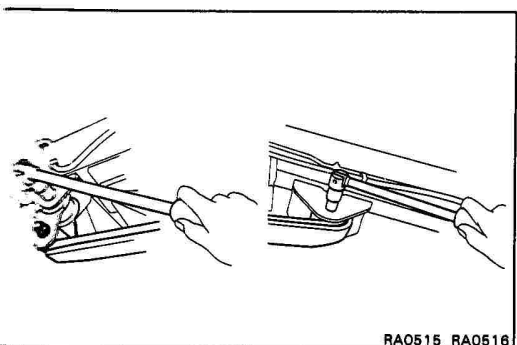
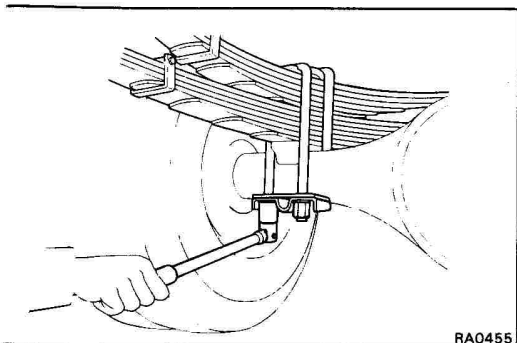
Others 670 kg-cm (48 ft-lb, 66 N·m)



Leaf Spring

REMOVAL OF LEAF SPRING

1. REMOVE SPARE TIRE
2. JACK UP AND SUPPORT VEHICLE
 - (a) Jack up and support the vehicle on the stands.
 - (b) Lower the axle housing until the leaf spring force is free, and keep it at this position.
3. REMOVE SHOCK ABSORBER LOWER SIDE FROM SPRING SEAT
4. REMOVE U-BOLTS
 - (a) Remove the four U-bolt mounting nuts.
 - (b) Remove the following parts.
 - Two U-bolts
 - Spring seat
 - U-bolt seat
5. (Ex. Just Low)
LOWER AXLE HOUSING
6. REMOVE LEAF SPRING
 - (a) Remove the shackle pin from the rear hanger.
 - (b) (Ex. Just Low and Dump)
Remove the lock plate from the hanger pin.
 - (c) Remove the hanger pin from the front hanger.
 - (d) Remove the leaf spring.
7. (Just Low)
LOWER AXLE HOUSING
8. REMOVE SPRING SHACKLE FROM LEAF SPRING



REPLACEMENT OF EYE BUSHING

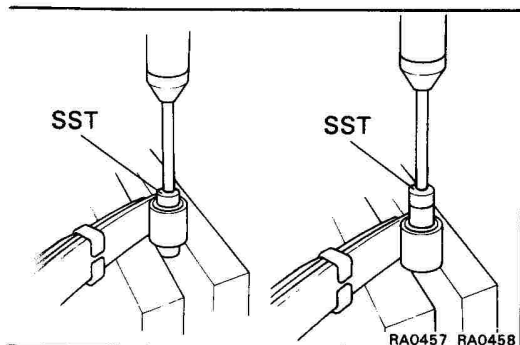
1. REMOVE EYE BUSHING FROM LEAF SPRING

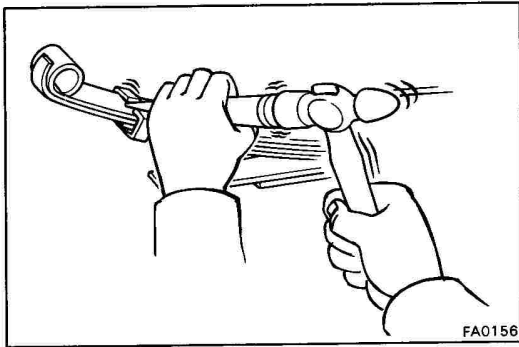
Using a press and SST, press out the eye bushing from the leaf spring.

SST 09550-10012
2. INSTALL EYE BUSHING TO LEAF SPRING

Using a press and SST, press in the eye bushing to the leaf spring.

SST 09550-10012

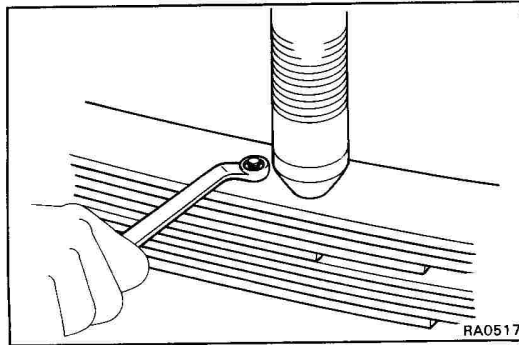




REPLACEMENT OF LEAF (Ex. Dump)

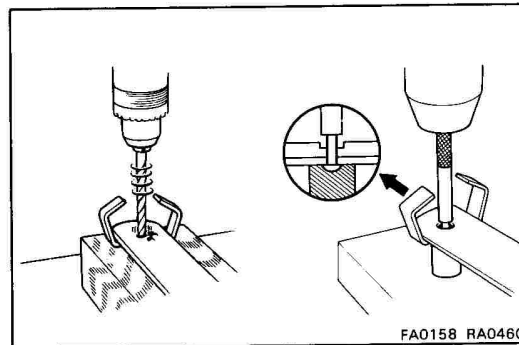
1. BEND OPEN SPRING CLIP

Using a chisel, pry up the spring clip.



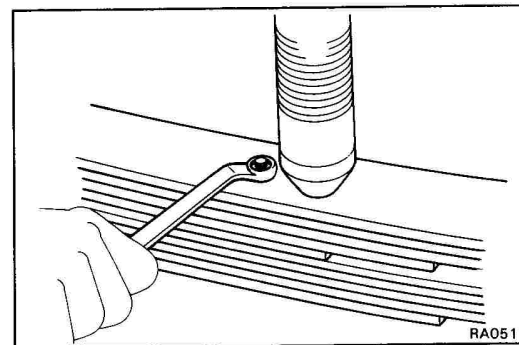
2. REMOVE SPRING CENTER BOLT

Secure the spring with a press and remove the spring center bolt.



3. IF NECESSARY, REPLACE SPRING CLIP

- Drill off the head of the rivet, then drive it out.
- Install a new rivet into the holes of the clip and spring leaf, then rivet it with a press.

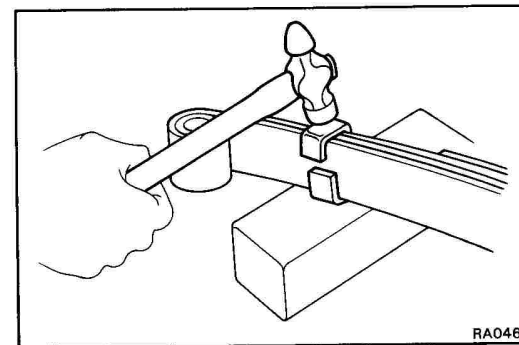


4. INSTALL SPRING CENTER BOLT

- Align the leaf holes and secure the leaves with a press.
- Install the spring center bolt and tighten the nut.

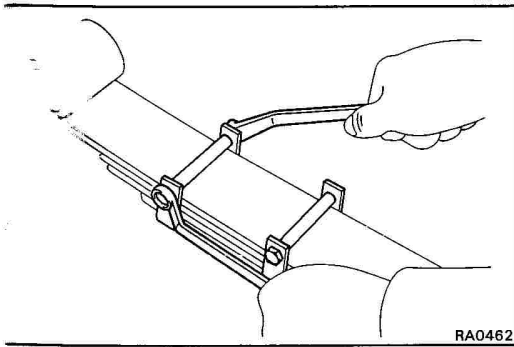
Torque: 500 kg-cm (36 ft-lb, 49 N·m)

NOTE: For the just low, insert the spring center bolt from the upper side. For others, insert it from the under side.



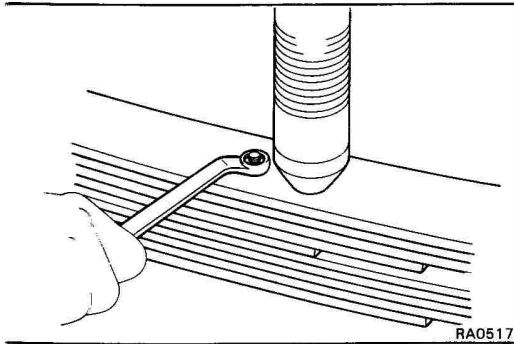
5. BEND SPRING CLIP

Using a hammer, bend the spring clip into position.



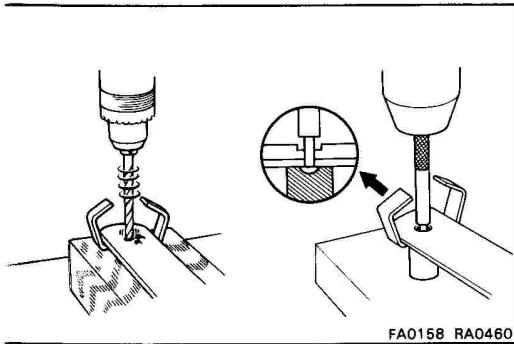
(Dump)

1. REMOVE SPRING CLIP BOLT AND CASE



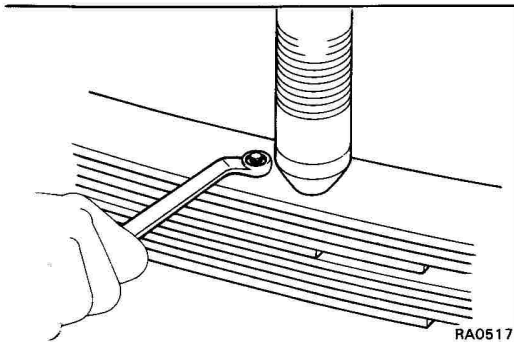
2. REMOVE SPRING CENTER BOLT

Secure the spring with a press and remove the spring center bolt.



3. REPLACE SPRING CLIP

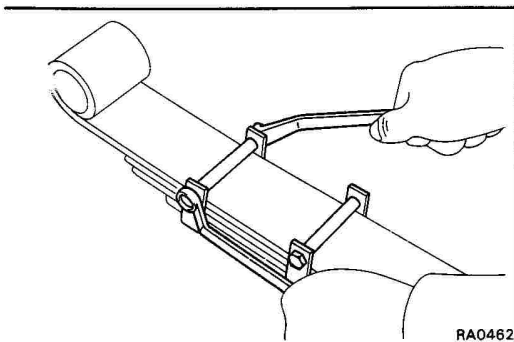
- Drill off the head of the rivet and then drive out the rivet.
- Install a new rivet into the holes of the spring leaf and clip. Then rivet with a press.



4. INSTALL SPRING CENTER BOLT

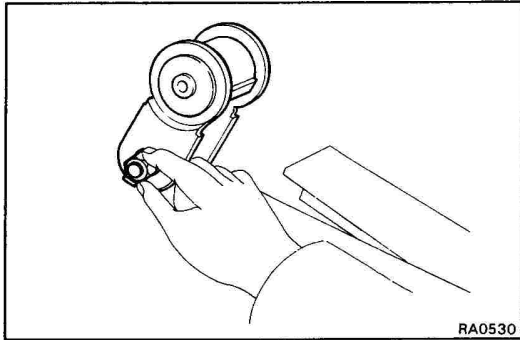
- Align the leaf holes and secure the leaves with a press.
- Install the spring center bolt and tighten the nut.

Torque: 500 kg-cm (36 ft-lb, 49 N·m)



5. INSTALL SPRING CLIP BOLT AND CASE

- Install the spring clip bolt and case.
- Install and tighten the nut firmly.



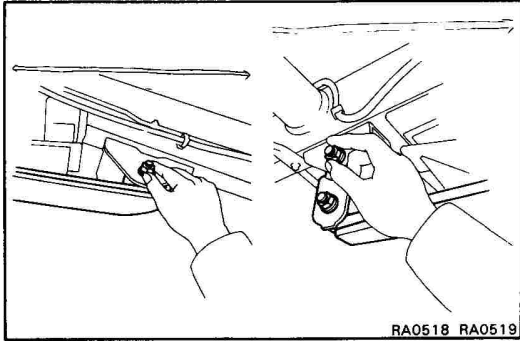
INSTALLATION OF LEAF SPRING

1. INSTALL SPRING SHACKLE TO LEAF SPRING

- (a) Place the spring shackle to the rear end of leaf spring and install the shackle pin.

NOTE: For the single tire, dump, just low (short), insert the shackle pin from the outside. For others, insert it from the inside.

- (b) Tighten the shackle pin nut with your fingers.



2. (Just Low)

JACK UP REAR AXLE HOUSING ENOUGH

3. INSTALL LEAF SPRING

- (a) Place the front end of leaf spring in the front hanger and install the hanger pin.

NOTE: For the dump, just low (short), insert the hanger pin (right side only) from the inside. For others, insert it from the outside.

- (b) Tighten the hanger pin nut with your fingers.

- (c) Place the shackle in the rear hanger and install the shackle pin from the outside.

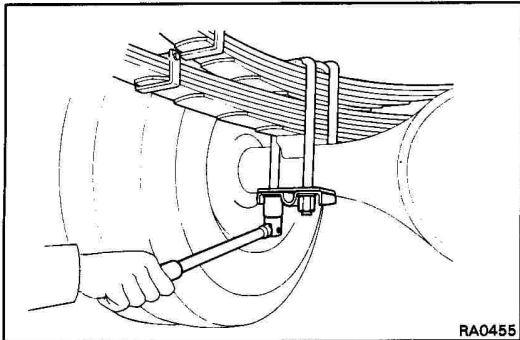
- (d) Tighten the shackle pin nut with your fingers.

4.-1 (Just Low)

LOWER REAR AXLE HOUSING UNTIL IT TOUCHES LEAF SPRING

4.-2 (Others)

RAISE REAR AXLE HOUSING UNTIL IT TOUCHES LEAF SPRING



5. INSTALL U-BOLTS

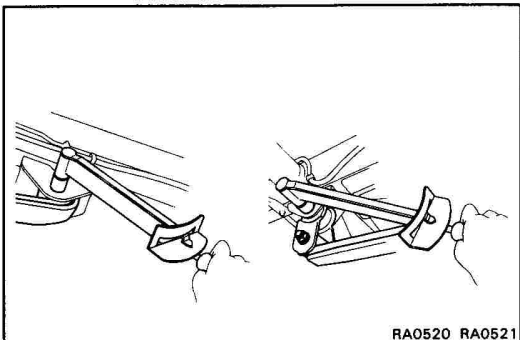
- (a) Install the U-bolt seat and spring seat.
- (b) Install the two U-bolts and tighten the four mounting nuts.

Torque: 1,520 kg-cm (110 ft-lb, 149 N·m)

6. CONNECT REAR SHOCK ABSORBER TO SPRING SEAT

Torque:

Dump (BU only)	360 kg-cm (26 ft-lb, 35 N·m)
Others	670 kg-cm (48 ft-lb, 66 N·m)

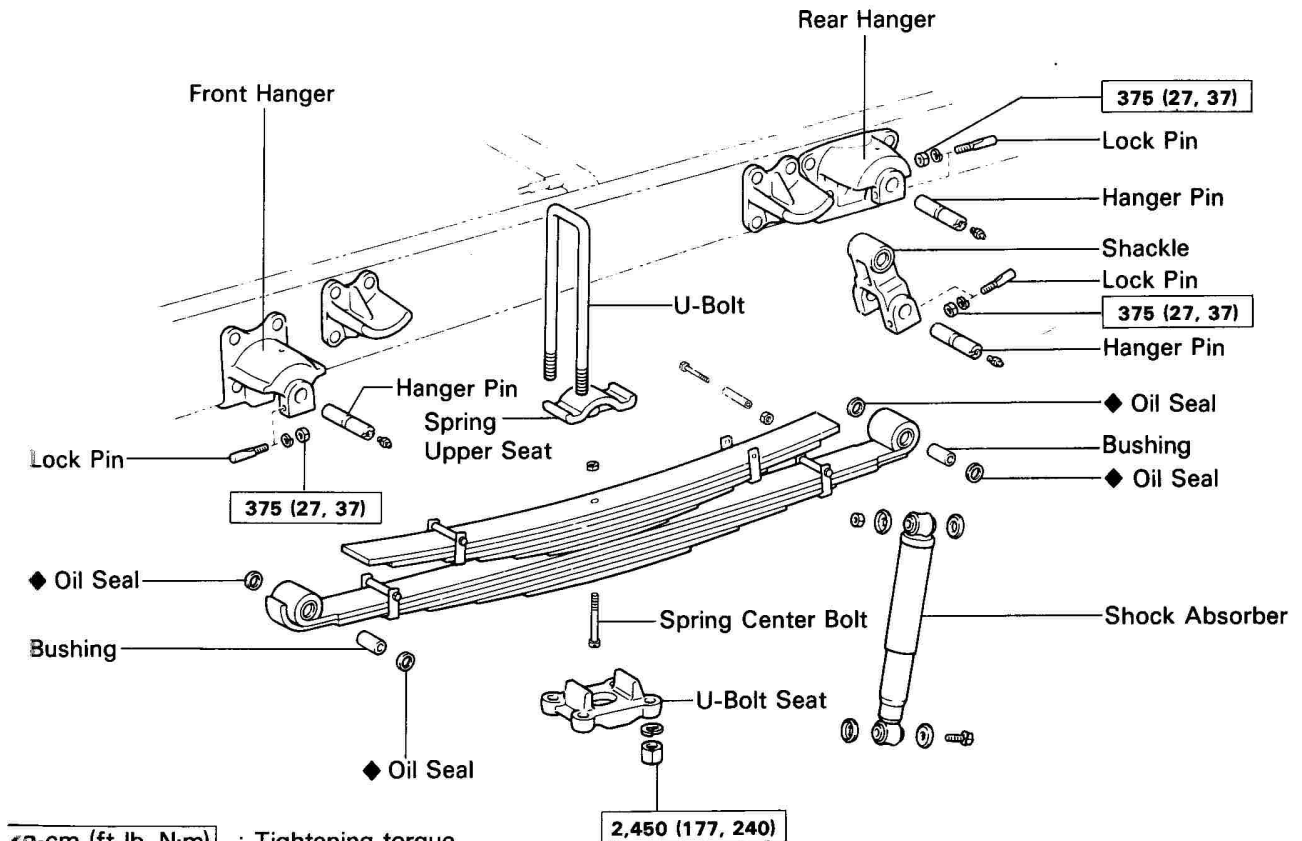


7. REMOVE STAND

8. TIGHTEN HANGER PIN AND SHACKLE PINS

Torque: 2,250 kg-cm (163 ft-lb, 221 N·m)

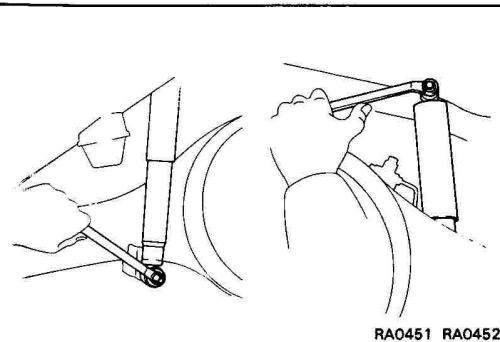
REAR SUSPENSION (WU series) COMPONENTS



kg-cm (ft-lb, N·m) : Tightening torque

◆ : Non-reusable part

RA0450



Rear Shock Absorber

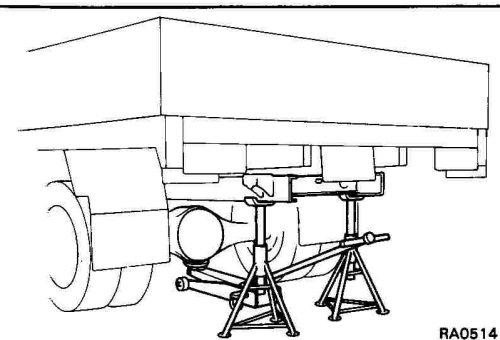
REPLACEMENT OF REAR SHOCK ABSORBER

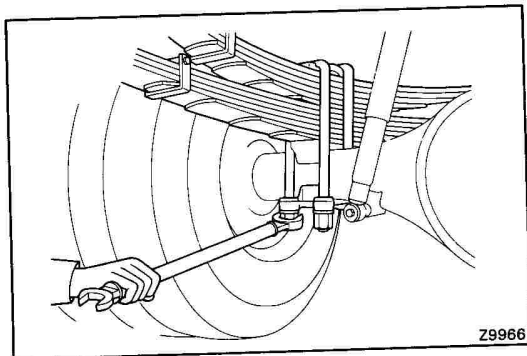
1. DISCONNECT SHOCK ABSORBER LOWER SIDE
2. DISCONNECT SHOCK ABSORBER UPPER SIDE
3. CONNECT SHOCK ABSORBER UPPER SIDE
Torque: 360 kg-cm (26 ft-lb, 35 N·m)
4. CONNECT SHOCK ABSORBER LOWER SIDE
Torque: 360 kg-cm (26 ft-lb, 35 N·m)

Leaf Spring

REMOVAL OF LEAF SPRING

1. JACK UP AND SUPPORT VEHICLE
 - (a) Jack up and support the vehicle on the stands.
 - (b) Lower the axle housing until the leaf spring force is free, and keep it at this position.

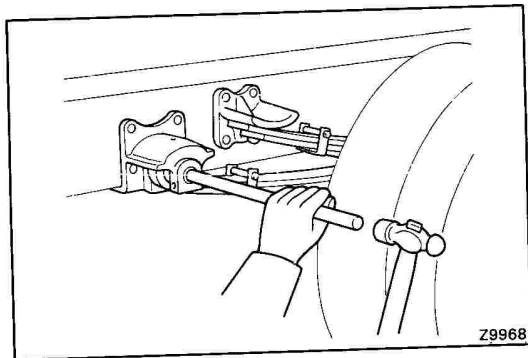




2. REMOVE U-BOLTS

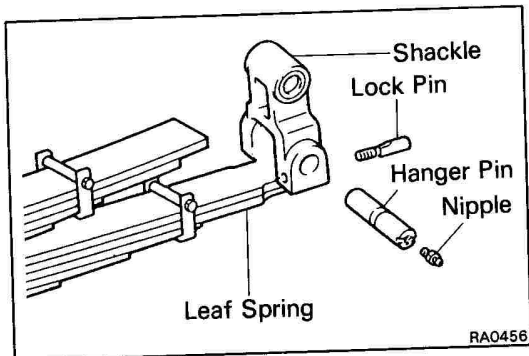
- (a) Remove the four U-bolt mounting nuts.
- (b) Remove following parts:
 - Two U-bolts
 - Spring seat
 - U-bolt seat

3. LOWER AXLE HOUSING



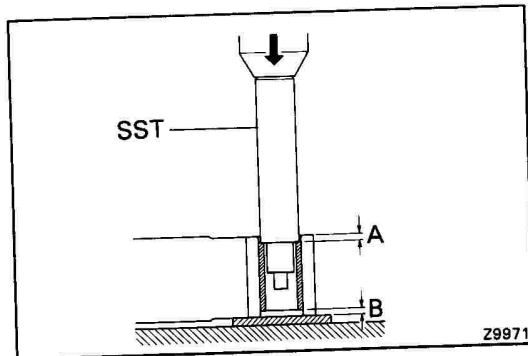
4. REMOVE LEAF SPRING

- (a) Remove the two nipples of the front and rear hanger pins.
- (b) Remove the two lock pins of the front and rear hanger pins.
- (c) Drive out the front and rear hanger pins.
- (d) Remove the leaf spring from the rear axle housing.



5. REMOVE SPRING SHACKLE FROM LEAF SPRING

- (a) Remove the nipple from the hanger pin.
- (b) Remove the lock pin of the hanger pin.
- (c) Drive out the hanger pin.
- (d) Remove the shackle from the leaf spring.



REPLACEMENT OF EYE BUSHING

1. REPLACE BUSHING

- (a) Remove the two oil seals.
- (b) Using SST and the press, replace the bushing.

SST 09707-37010

NOTE: The length of A and B should be equal (about 5 mm or 0.20 in.).

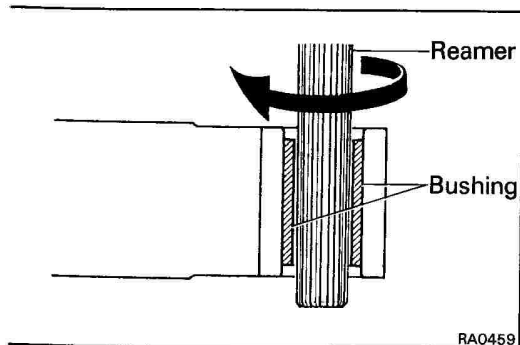
2. INSPECT HANGER PIN AND BUSHING CLEARANCE

- (a) Hanger pin outer diameter

STD : 27.959 – 27.980 mm (1.1007 – 1.1016 in.)
 LIMIT : 27.800 mm (1.0945 in.)

- (b) Bushing and hanger pin clearance

STD : 0.020 – 0.074 mm (0.0008 – 0.0029 in.)
 LIMIT : 0.40 mm (0.0157 in.)



3. IF NECESSARY, REFINISH BUSHING

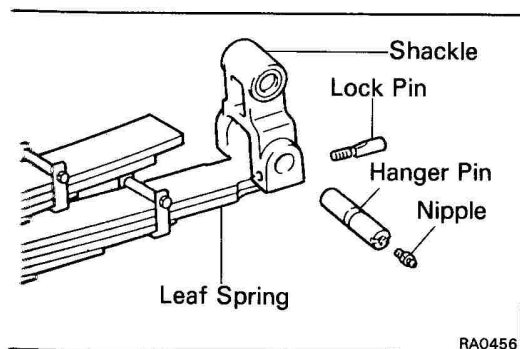
Using a reamer, refinish the bushing.

4. INSTALL OIL SEAL

Install the oil seal to both side of the bushing.

REPLACEMENT OF LEAF

(See page RA-52)



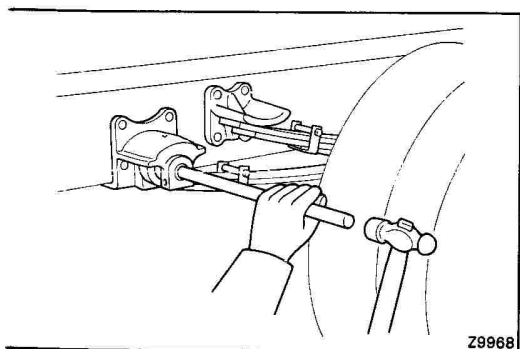
INSTALLATION OF LEAF SPRING

1. INSTALL SPRING SHACKLE TO LEAF SPRING

- Drive in the hanger pin.
- Install and torque the lock pin.

Torque: 375 kg-cm (27 ft-lb, 37 N·m)

- Install the nipple.



2. INSTALL LEAF SPRING

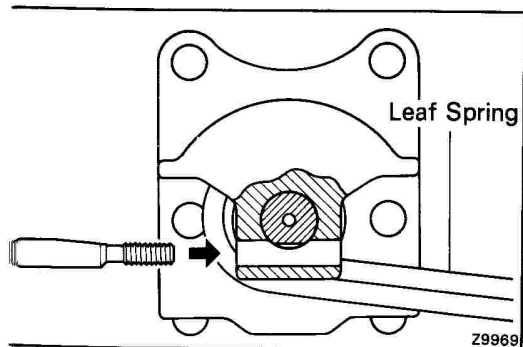
- Position the leaf spring to the axle housing.
- Drive in the front and rear hanger pins.

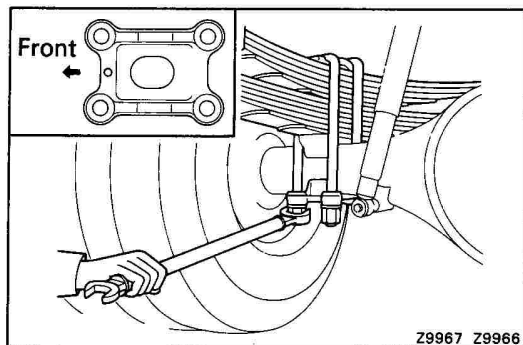
- Install and torque the lock pins.

Torque: 375 kg-cm (27 ft-lb, 37 N·m)

- Install the nipples.

3. JACK UP REAR AXLE HOUSING UNTIL IT TOUCHES LEAF SPRING



**4. INSTALL U-BOLTS**

- (a) Install the U-bolt seat and spring seat.
- (b) Install the U-bolts and tighten the mounting nuts.

Torque: 2,450 kg-cm (177 ft-lb, 240 N·m)

5. REMOVE STAND