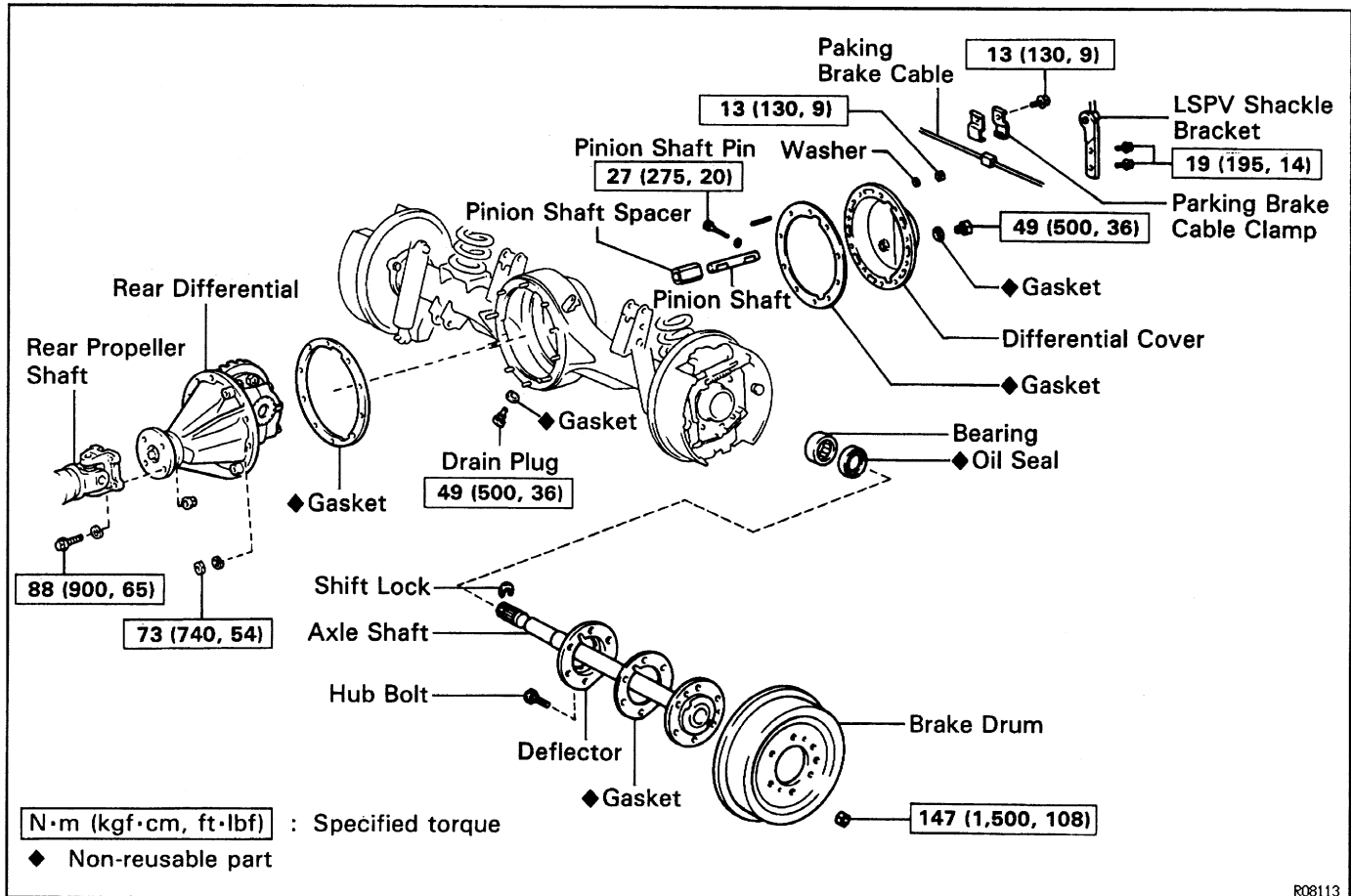
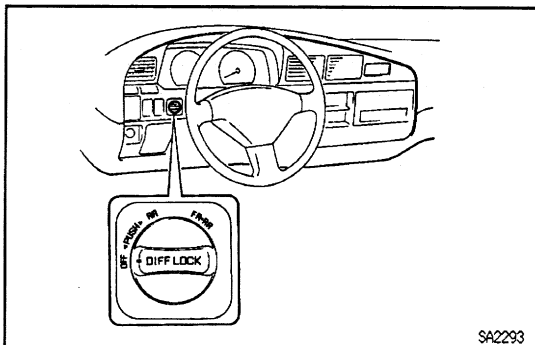


ASSEMBLY REMOVAL AND INSTALLATION COMPONENTS

SA106-02



R08113



SA2293

DIFFERENTIAL REMOVAL

SA181-02

1. (w/ DIFFERENTIAL LOCK)

SHIFTING REAR DIFFERENTIAL LOCK

- Turn the ignition switch to ON position.
- Keep the center differential lock condition.
- Turn the differential lock control switch to RR or FR/RR position and lock the rear differential.

HINT: Rotating the tires, check they are in the differential lock condition.

- Disconnect the cable from the negative terminal of battery.

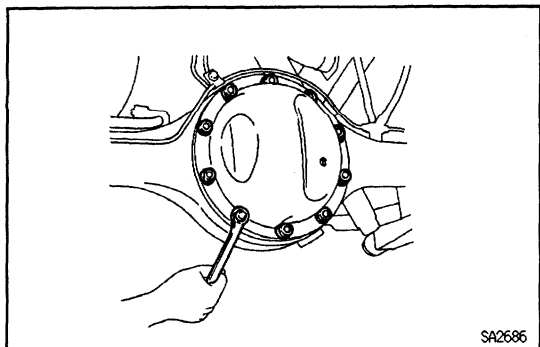
2. JACK UP AND SUPPORT VEHICLE

3. REMOVE REAR WHEEL AND BRAKE DRUM

4. DRAIN DIFFERENTIAL OIL

5. REMOVE LSPV SHACKLE BRACKET AND PARKING BRAKE CABLE CLAMP

(See page SA-81)



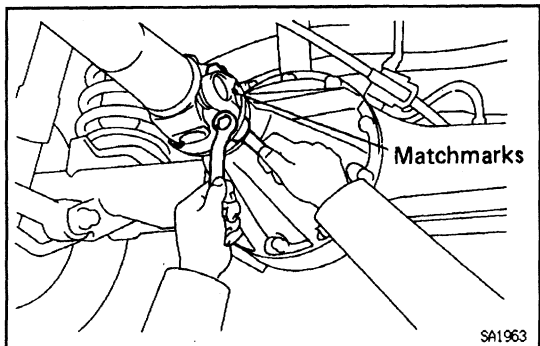
SA2686

6. REMOVE DIFFERENTIAL COVER

- (a) Remove the 10 nuts and washers from the differential.
- (b) Remove the differential cover with gasket from the differential.

7. REMOVE REAR AXLE SHAFTS

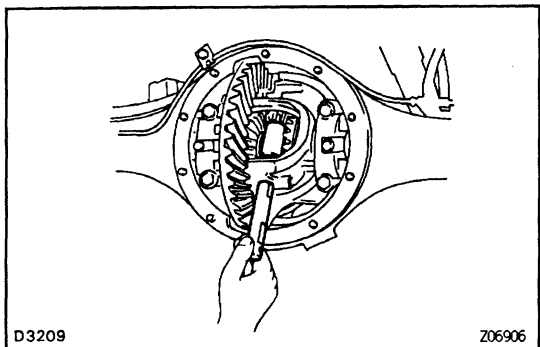
(SEE PAGE [SA-89](#))



SA1963

8. DISCONNECT PROPELLER SHAFT

- (a) Place the matchmarks on the flanges.
- (b) Remove 4 nuts and bolts and disconnect the propeller shaft.

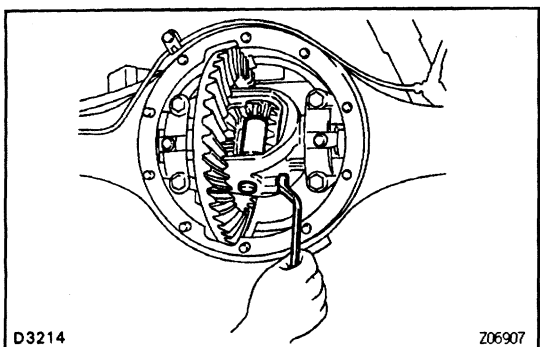


D3209

Z06906

9. INSTALL PINION SHAFT AND PINION SPACER

- (a) Install the spacer and pinion shaft to the differential.

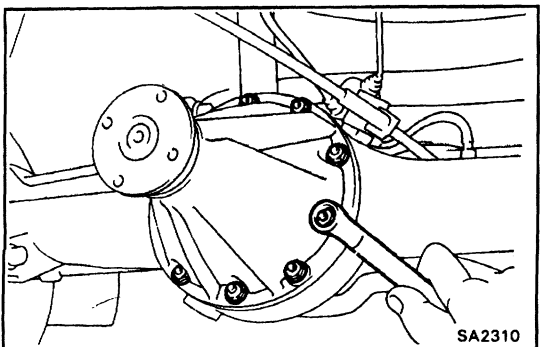


D3214

Z06907

- (b) Install the pinion shaft pin.

Torque: 27 N-m (275 kgf-cm, 20 ft-lbf)

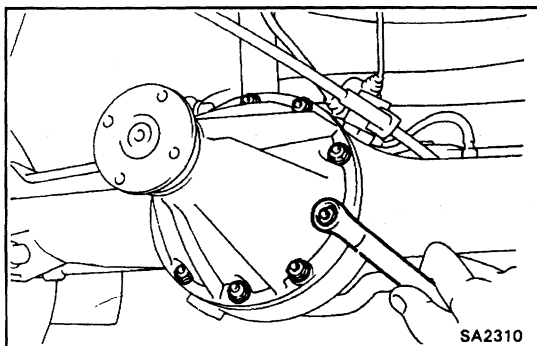


SA2310

10. REMOVE DIFFERENTIAL CARRIER ASSEMBLY

Remove the nuts, washers and differential carrier assembly.

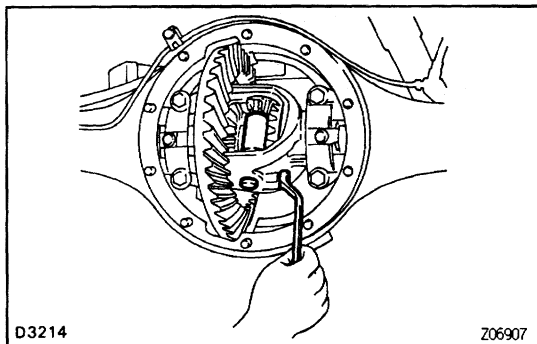
NOTICE: Be careful not to damage the installation surface.



DIFFERENTIAL INSTALLATION

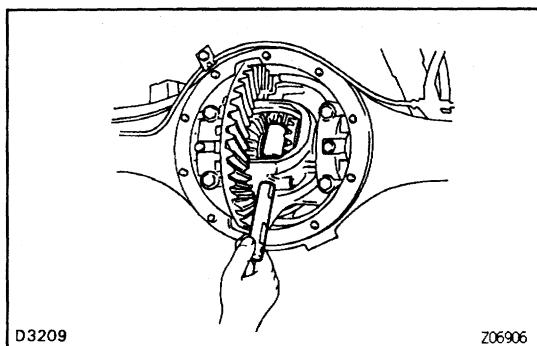
1. INSTALL NEW GASKET TO AXLE HOUSING
2. INSTALL DIFFERENTIAL CARRIER ASSEMBLY
Install the differential carrier assembly in the axle housing with the nuts.

Torque: 73 N-m (740 kgf-cm, 54 ft-lbf)



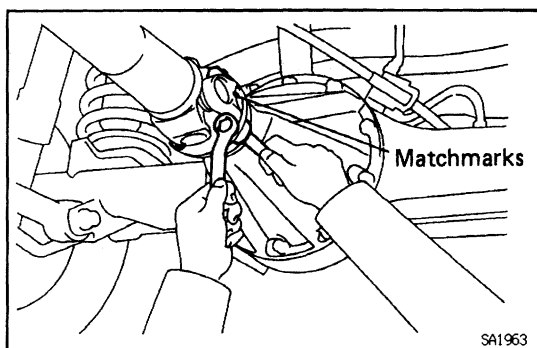
3. REMOVE PINION SHAFT AND PINION SPACER

- (a) Remove the pinion shaft pin from the differential.



- (b) Remove the pinion shaft and spacer.

HINT: When the pinion shaft is removed, the pinion gear and thrust washer will come off also.



4. CONNECT PROPELLER SHAFT

- (a) Align the matchmarks and connect the propeller shaft to the companion flange with the 4 bolts, spring washers and nuts.

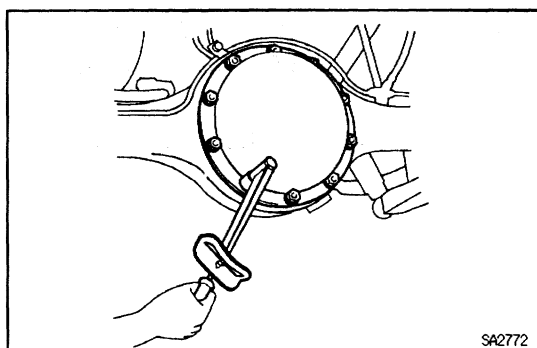
- (b)

Torque the bolts and nuts.

Torque: 74 N-m (750 kgf-cm, 54 ft-lbf)

5. INSTALL REAR AXLE SHAFTS

(SEE PAGE [SA-91](#))

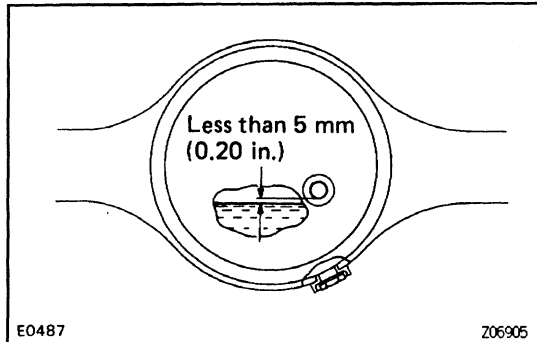


6. INSTALL DIFFERENTIAL COVER

- (a) Install the new gasket and differential cover to the axle housing.

- (b) Install the 10 washers and nuts.

Torque: 13 N-m (130 kgf-cm, 9 ft-lbf)

7. INSTALL LSPV SHACKLE BRACKET AND PARKING BRAKE CABLE CLAMP**(SEE PAGE [SA-85](#))****8. INSTALL BRAKE DRUM AND REAR WHEEL****9. INSTALL DRAIN PLUG****10. FILL DIFFERENTIAL WITH HYPOID GEAR OIL**

Fill with hypoid gear oil.

Oil type:

Hypoid gear oil API GL-5

Recommended oil viscosity:

Above -18° C (0° F) SAE 90

Below -180C (0° F) SAE 80 W or 80 W-90

Capacity:

3.25 liters (3.4 US qts, 2.9 Imp.qts)

11. LOWER VEHICLE