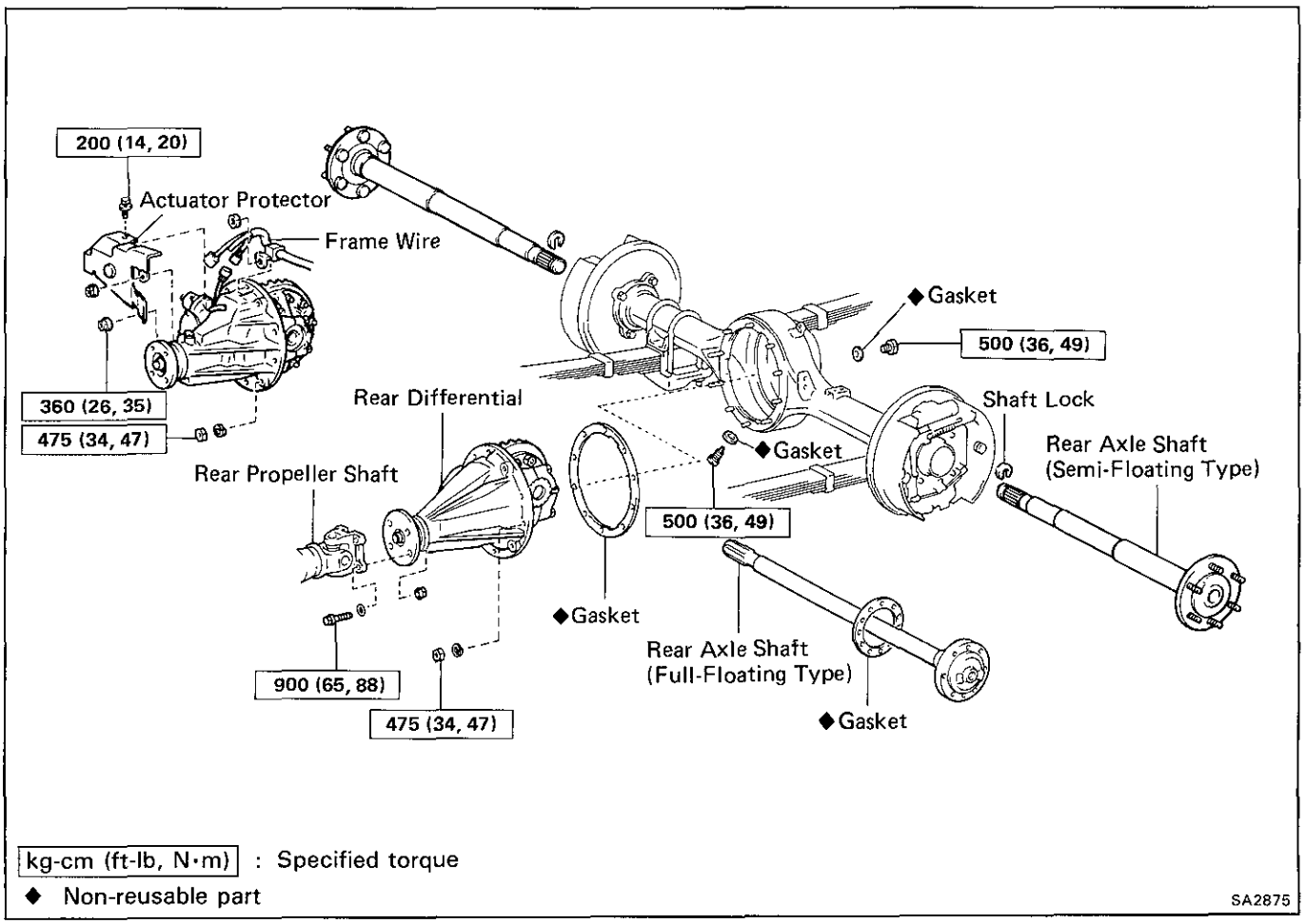
Removal and Installation of Rear Differential

COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque
◆ Non-reusable part

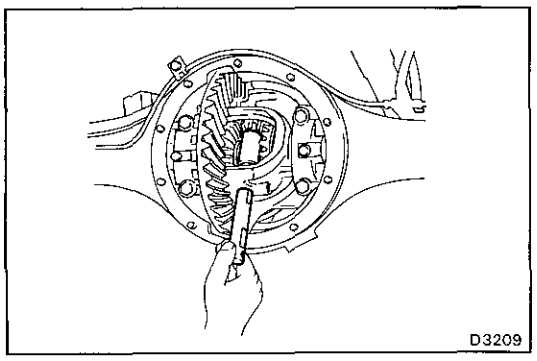
SA2875

REMOVAL OF REAR DIFFERENTIAL

1. **(w/ DIFFERENTIAL LOCK)**
   SHIFT REAR DIFFERENTIAL LOCK
   (See step 1 on page SA-127)

2. **REMOVE DRAIN PLUG AND DRAIN DIFFERENTIAL OIL**

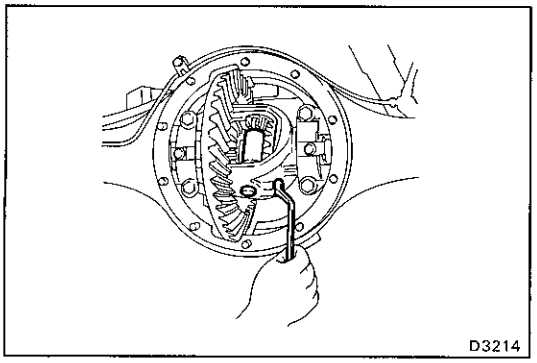
3. **REMOVE REAR AXLE SHAFTS**
   (Semi-Floating Type: See page SA-108)
   (Full-Floating Type: See page SA-116)



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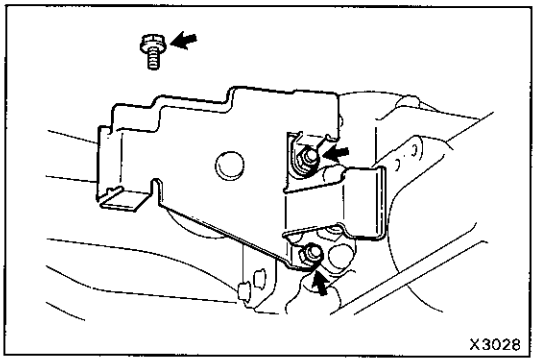
4. **DISCONNECT REAR PROPELLER SHAFT**
   (See step 1 on page SA-138)

5. **(2 PINION TYPE)**
   INSTALL PINION SHAFT AND PINION SPACER
   (a) Install the spacer and pinion shaft to the differential.



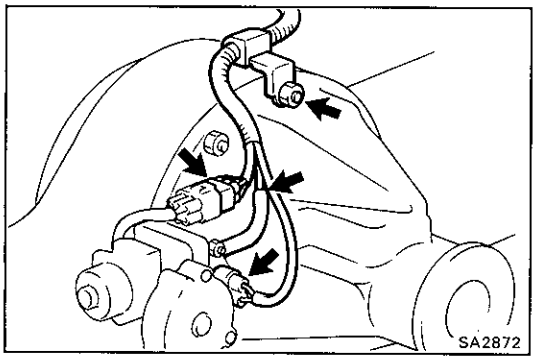
(b) Install the pinion shaft pin.

Torque: 275 kg-cm (20 ft-lb, 27 N·m)

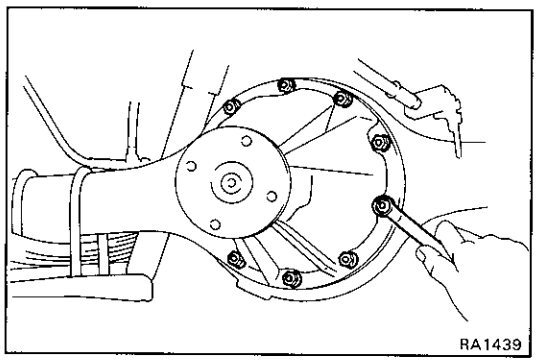


6. (w/ DIFFERENTIAL LOCK)
REMOVE ACTUATOR PROTECTOR

Remove the two nuts, bolt and protector.



7. (w/ DIFFERENTIAL LOCK)
DISCONNECT FRAME WIRE



8. REMOVE DIFFERENTIAL CARRIER ASSEMBLY

NOTICE: Do not scratch the installation surface.

INSTALLATION OF REAR DIFFERENTIAL

(See page SA-142)

1. (w/ DIFFERENTIAL LOCK)
CHECK DIFFENTIAL LOCK OPERATION

(a) Connect the connector of actuator to the connector of the vehicle side, and check that the sleeve is on work with switching over the differential lock control switch.

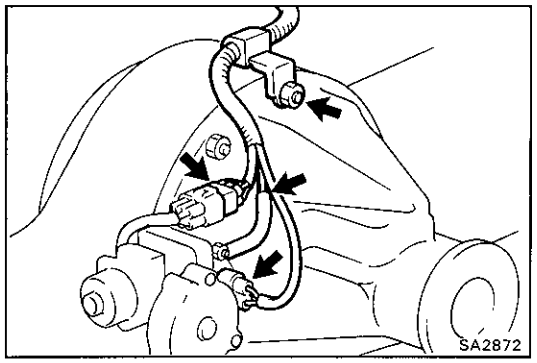
(b) After checking the differential, keep it in a lock state.

2. INSTALL A NEW GASKET

3. INSTALL DIFFERENTIAL CARRIER ASSEMBLY

Install the differential carrier assembly in the axle and install the ten nuts. Torque the nuts.

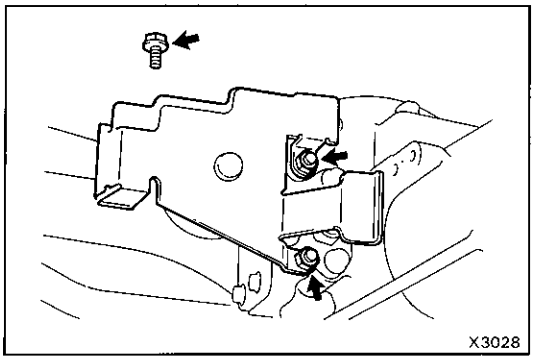
Torque: 475 kg-cm (34 ft-lb, 47 N·m)



4. **(w/ DIFFERENTIAL LOCK) CONNECT FRAME WIRE**

HINT:

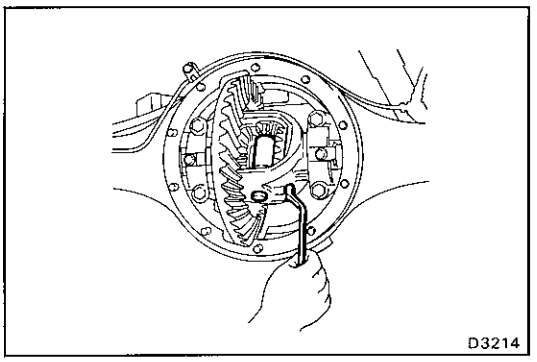
- When connecting the bleeder tube of the harness side to the hose of the actuator side, its depth of insertion is approx. 15 mm (0.59 in.).
- Take care that water or the equivalent shall not adhere to the connectors and hose.



5. **(w/ DIFFERENTIAL LOCK) INSTALL ACTUATOR PROTECTOR**

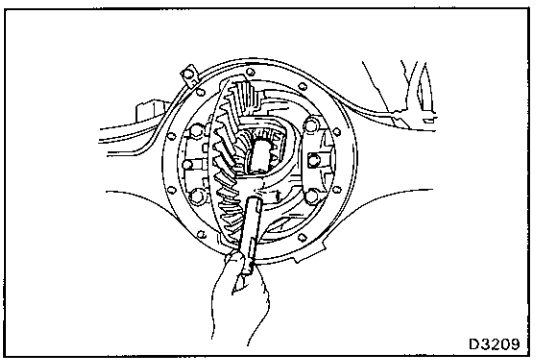
Install the protector with the two nuts and bolt.

Torque: Bolt 200 kg-cm (14 ft-lb, 20 N·m)
Nut 360 kg-cm (26 ft-lb, 35 N·m)



6. **(2 PINION TYPE) REMOVE PINION SHAFT AND PINION SPACER**

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



(b) Remove the pinion shaft and spacer.

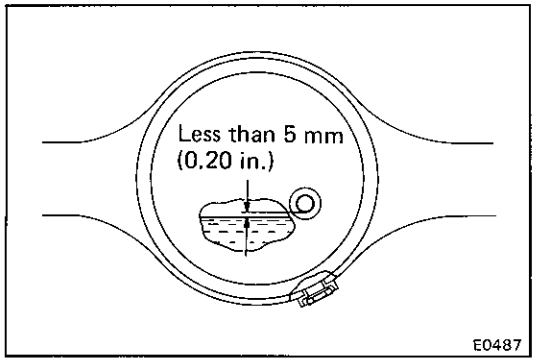
HINT: When the pinion shaft is removed, the pinion gear and thrust washer will come off also.

7. **CONNECT REAR PROPELLER SHAFT**
(See step 14 on page SA-141)

8. **INSTALL REAR AXLE SHAFTS**

(Semi-Floating Type: See page SA-108)
(Full-Floating Type: See page SA-116)

9. **INSTALL DRAIN PLUG**



10. FILL DIFFERENTIAL WITH GEAR OIL

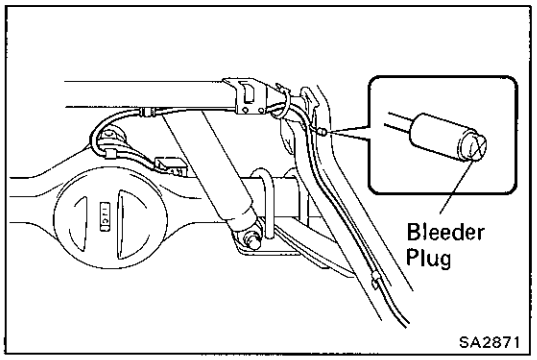
Fill with hypoid gear oil.

Oil type:

w/o LSD API GL-5
w/ LSD API GL-5 for LSD

Viscosity: Above −18°C (0°F) SAE 90
Below −18°C (0°F) SAE 80W or 80W-90

Capacity: 2.5 liters (2.6 US qts, 2.2 Imp. qts)



11. (w/ DIFFERENTIAL LOCK)
CHECK DIFFERENTIAL LOCK OPERATION
(See page SA-182)

12. (w/ DIFFERENTIAL LOCK)
CHECK BLEEDER PLUG

Check that the bleeder plug at the tip of the bleeder tube (above the right side frame) is not damage or worn.