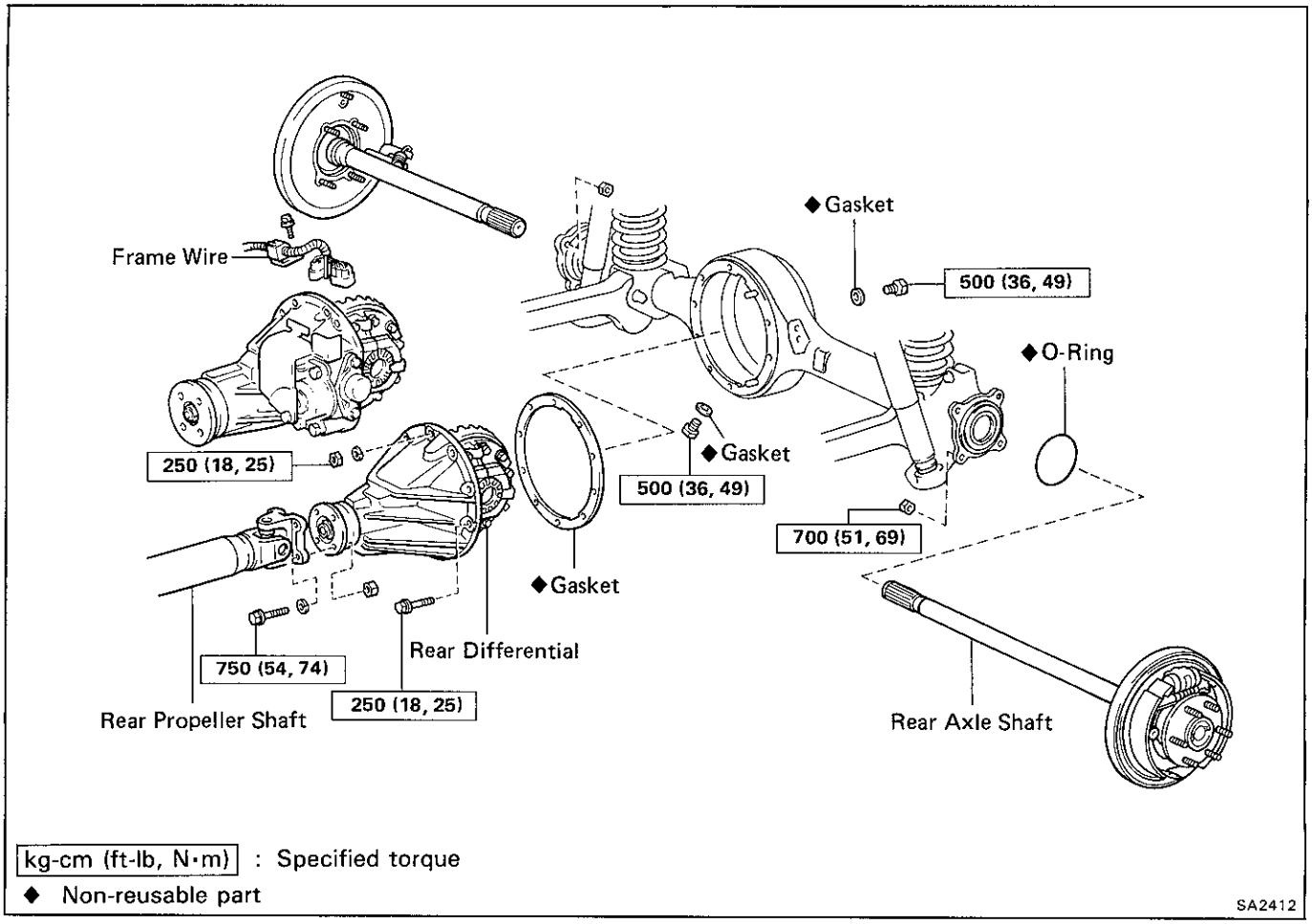
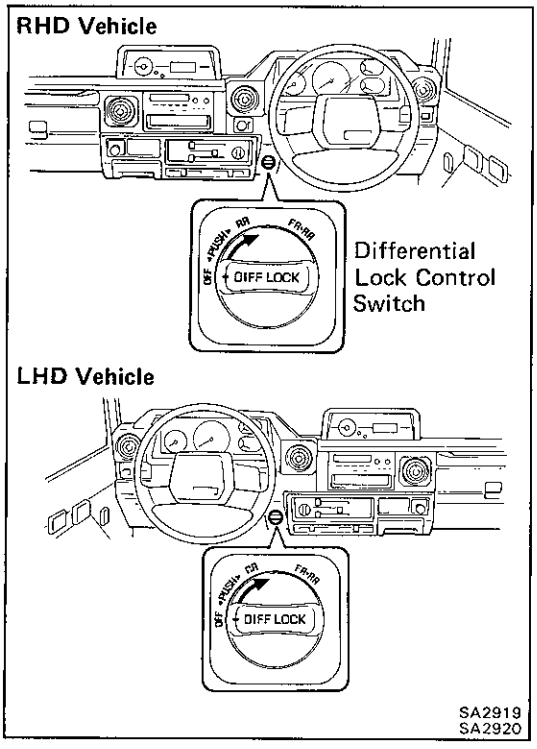
# Removal and Installation of Rear Differential

## COMPONENTS




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

SA2412




SA2919
SA2920

## REMOVAL OF REAR DIFFERENTIAL

1. **(w/ DIFFERENTIAL LOCK) SHIFT REAR DIFFERENTIAL LOCK**
   (a) Turn the ignition switch to ON position.
   (b) Put on the 4WD switch.
   (c) Turn the differential lock control switch to RR position, and lock the rear differential.

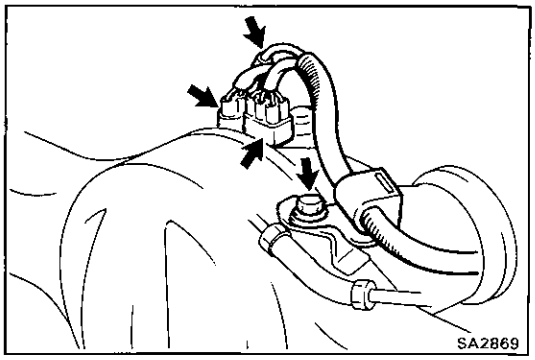
   HINT: Turning round the tires, check the tires, check they are the differential lock condition.

   (d) Disconnect the cable from the negative terminal of the battery.

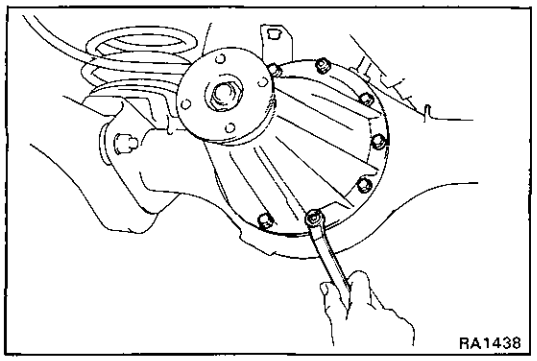
2. **REMOVE DRAIN PLUG AND DRAIN DIFFERENTIAL OIL**

3. **REMOVE REAR AXLE SHAFTS**
**(See steps 1 to 10 on pages SA-108 to 111)**

4. **DISCONNECT REAR PROPELLER SHAFT**
**(See step 1 on page SA-125)**




5. **(w/ DIFFERENTIAL LOCK)**
**DISCONNECT FRAME WIRE**




6. **REMOVE DIFFERENTIAL CARRIER ASSEMBLY**

**NOTICE: Do not scratch the installation surface.**

## INSTALLATION OF REAR DIFFERENTIAL

**(See page SA-127)**

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

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

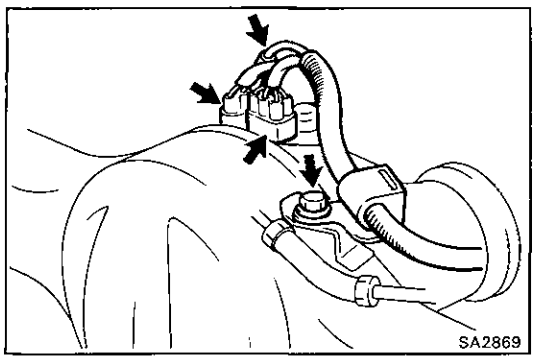
(b) After checking the differential, keep it in a lock state.

2. **INSTALL A NEW GASKET**

3. **INSTALL DIFFERENTIAL CARRIER ASSEMBLY**

Install the differential carrier assembly in the axle and install the two nuts and eights bolts. Torque the nuts and bolts.

**Torque: 250 kg-cm (18 ft-lb, 25 N·m)**




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

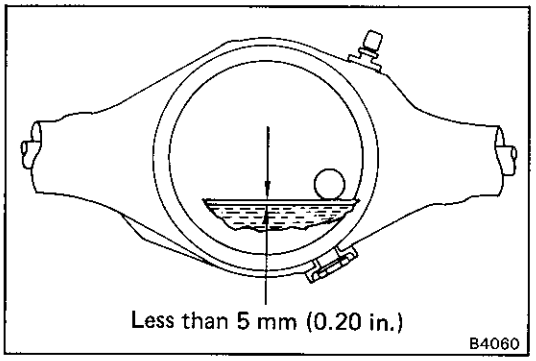
HINT:

- 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. **CONNECT REAR PROPELLER SHAFT**
**(See step 10 on page SA-126)**

6. **INSTALL REAR AXLE SHAFTS**
**(See steps 2 to 9 on pages SA-112 to 115)**

7. **INSTALL DRAIN PLUG**



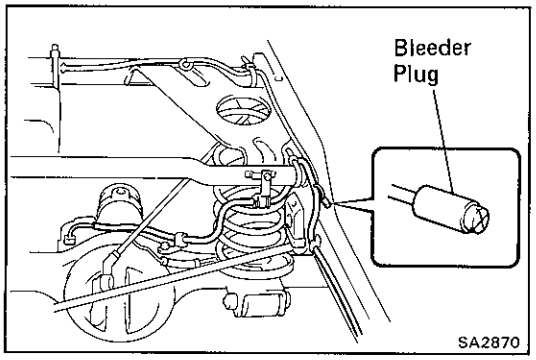

8. **FILL DIFFERENTIAL WITH GEAR OIL**

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: 1.85 liters (2.0 US qts, 1.6 Imp. qts)**




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

10. **(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 damaged or worn.