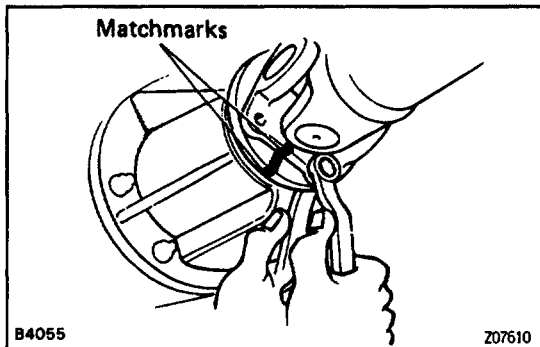
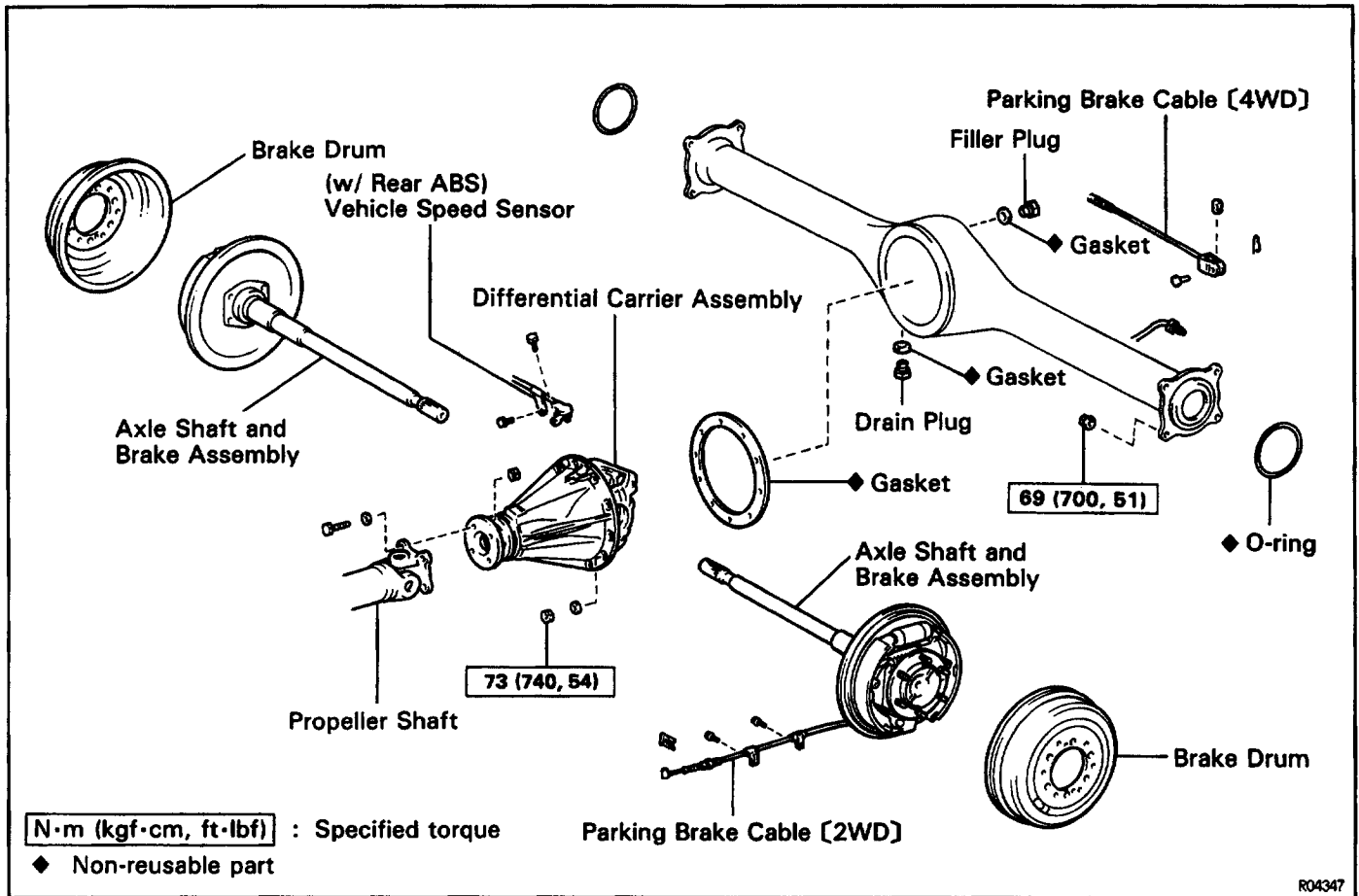
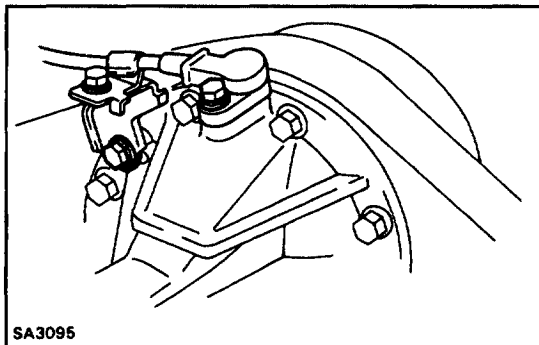


ASSEMBLY REMOVAL AND INSTALLATION COMPONENTS



DIFFERENTIAL REMOVAL

1. REMOVE DRAIN PLUG AND DRAIN DIFFERENTIAL OIL
2. REMOVE REAR AXLE SHAFTS
(See page [SA-6](#) or [SA-160](#))
3. DISCONNECT PROPELLER SHAFT FROM DIFFERENTIAL
(See page [SA-169](#))
4. w/ REAR WHEEL ANTI-LOCK BRAKE SYSTEM:
DISCONNECT SPEED SENSOR
Remove the 2 bolts and a speed sensor.
5. REMOVE DIFFERENTIAL CARRIER ASSEMBLY



DIFFERENTIAL INSTALLATION

1. INSTALL NEW GASKET

2. INSTALL DIFFERENTIAL CARRIER ASSEMBLY

Install the differential carrier assembly in the axle and install the 10 nuts. Torque the nuts.

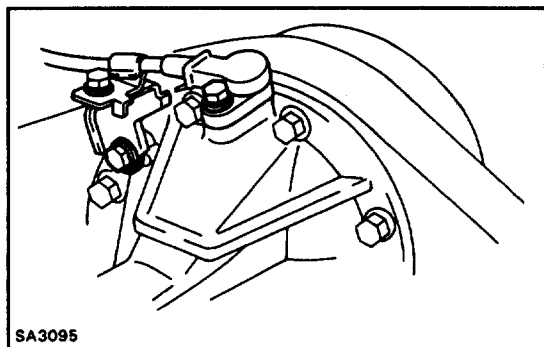
Torque:

Single tire

25 N·m (250 kgf·cm, 18 ft·lbf)

Double tire

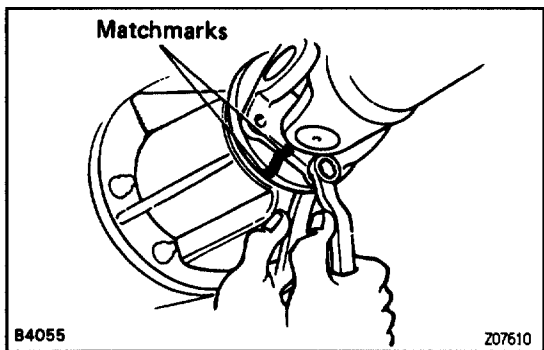
31 N·m (315 kgf·cm, 23 ft·lbf)



3. w/ REAR WHEEL ANTI-LOCK BRAKE SYSTEM: CONNECT SPEED SENSOR

Connect the speed sensor with the 2 bolts.

Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)



4. CONNECT PROPELLER SHAFT FLANGE TO COMPANION FLANGE

(a) Align the matchmarks on the flanges and connect the flange with the 4 bolts and nuts.

(b) Torque the bolts and nuts.

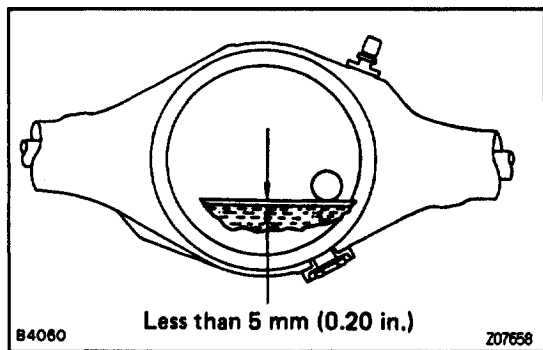
Torque:

4WD 3VZ-E [MT]

76 N·m (780 kgf·cm, 56 ft·lbf)

Ex. 4WD 3VZ-E [MT]

74 N·m (750 kgf·cm, 54 ft·lbf)



5. INSTALL DRAIN PLUG AND FILL DIFFERENTIAL WITH GEAR OIL

Oil grade:

Hypoid gear oil API GL-5

Recommended oil viscosity:

Above -18°C (0°F) SAE 90

Below -18°C (0°F) SAE 80 W or 80 W-90

Capacity:

2WD:

| Ring gear size | Pinion shaft | Capacity liters (Us qts, Imp. qts) |
|----------------|--------------|---------------------------------------|
| 7.5 in. | 2 pinion | 1.35 (1.43, 1.19) |
| 8 in. | 2 pinion | 1.8 (1.9, 1.6) |
| 8 in. | 4 pinion | 2.2 (2.3, 1.9) |

4WD:

| Ring gear size | Pinion shaft | Capacity liters (Us qts, Imp. qts) |
|----------------|--------------|---------------------------------------|
| 8 in. | 2 pinion | 2.2 (2.3, 1.9) |
| 8 in. | 4 pinion | 2.2 (2.3, 1.9) |

Torque the filler plug.

Torque 49 N·m (500 kgf·cm, 36 ft·lbf)