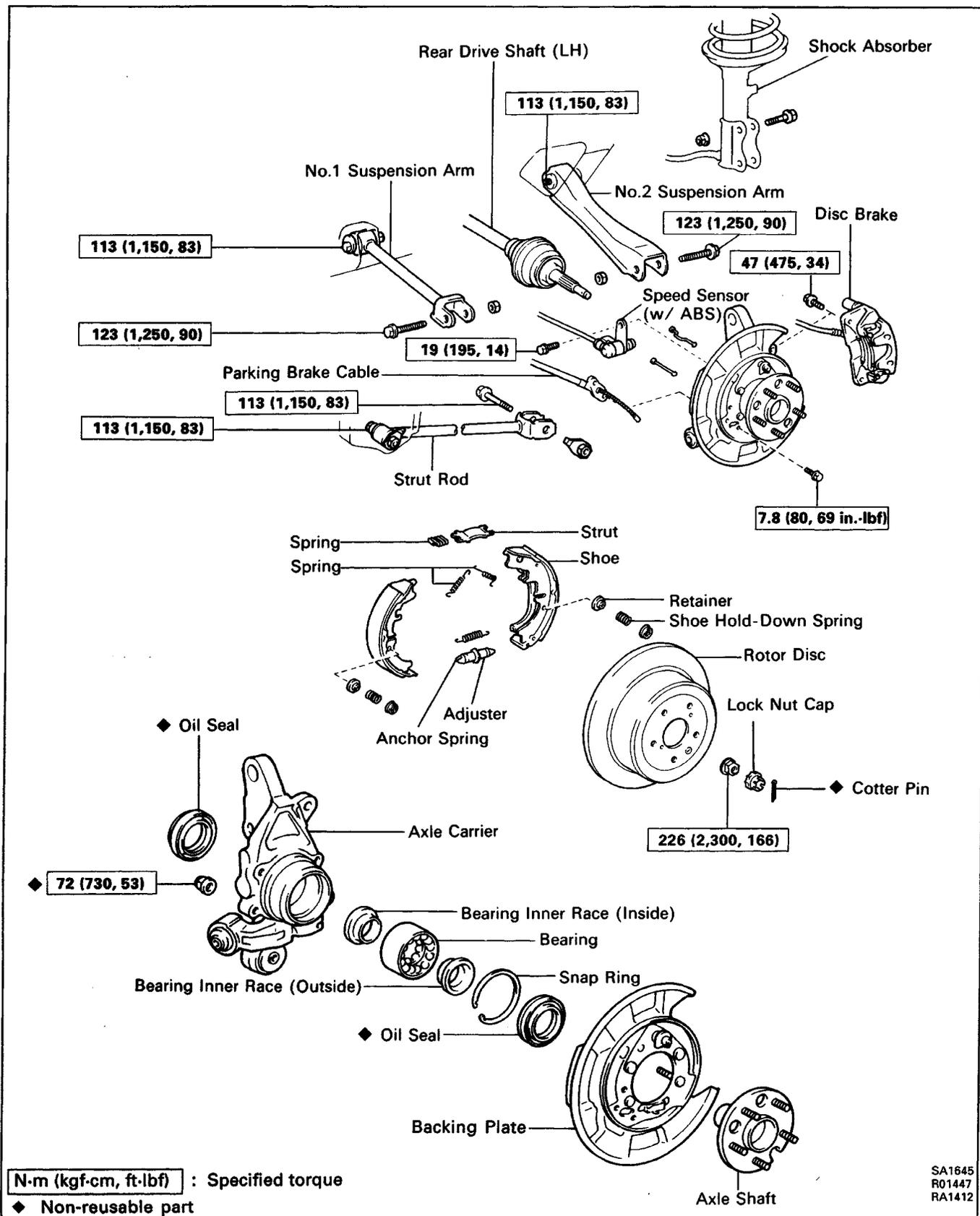
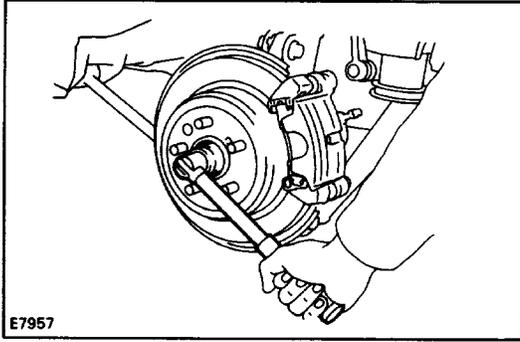


REAR AXLE HUB AND CARRIER (4WD) COMPONENTS





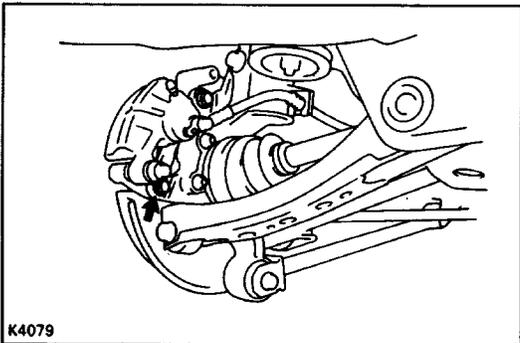
E7957

REMOVAL OF REAR AXLE HUB AND CARRIER

(See page SA-67)

1. REMOVE COTTER PIN, BEARING LOCK NUT CAP AND BEARING LOCK NUT

- (a) Remove the cotter pin and bearing lock nut cap.
- (b) With the parking brake engaged, remove the bearing lock nut.

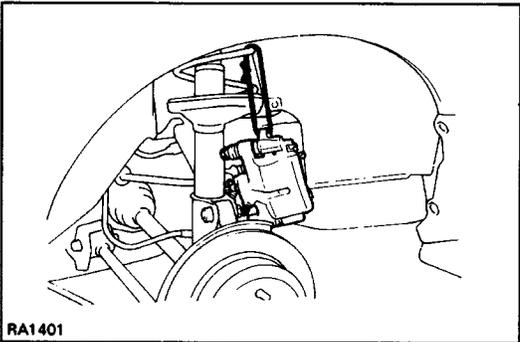


K4079

2. REMOVE BRAKE CALIPER

- (a) Remove the two bolts.

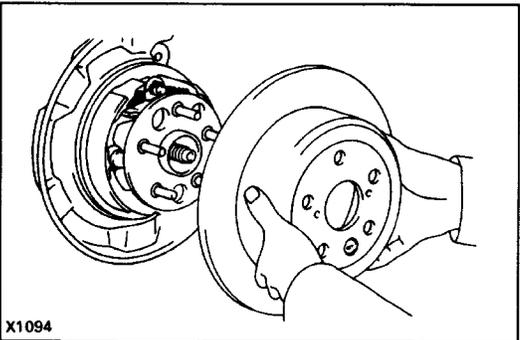
- (b) Remove the brake caliper from the rear axle carrier and suspend it with wire.



RA1401

3. REMOVE ROTOR DISC

- (a) Place the matchmarks on the rotor disc and axle hub.
- (b) Disengage the parking brake, and remove the rotor disc.

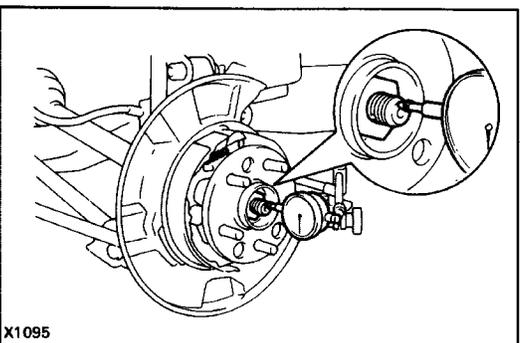


X1094

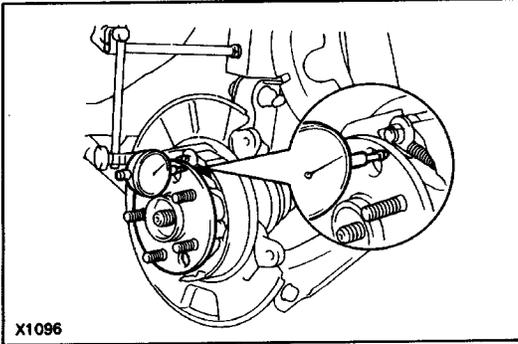
4. CHECK BEARING PLAY IN AXIAL DIRECTION

Bearing play: 0.05 mm (0.0020 in.) or less

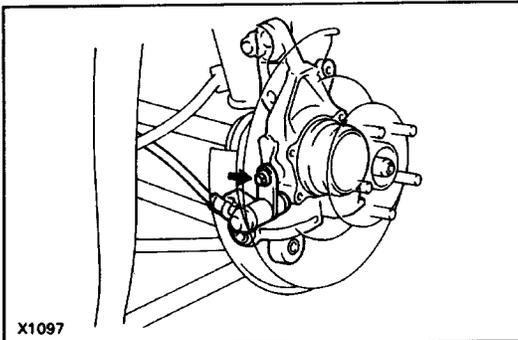
If the bearing play is greater than the maximum, replace the bearing.



X1095

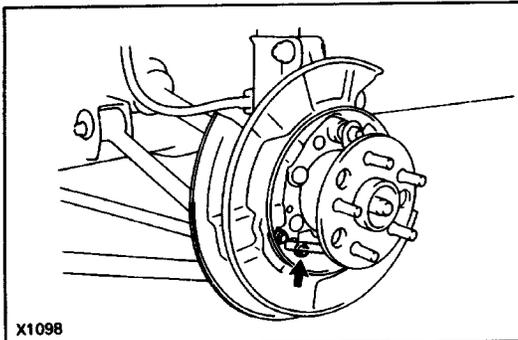
**5. CHECK AXLE SHAFT FLANGE RUNOUT**

Maximum flange runout: 0.07 mm (0.0028 in.) or less

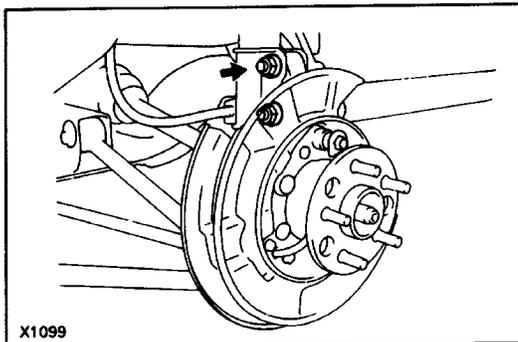
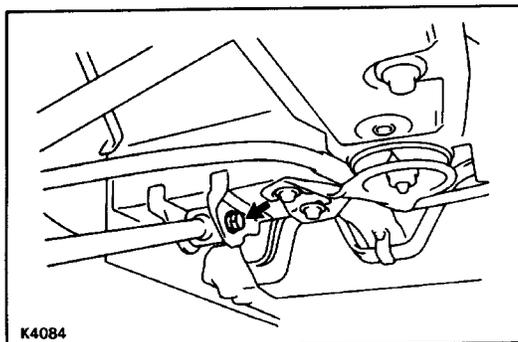
**6. REMOVE PARKING BRAKE ASSEMBLY**

7. (w/ ABS)

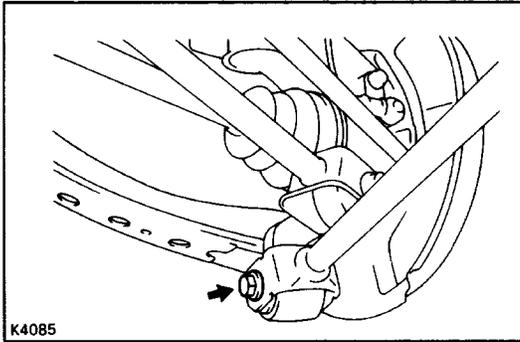
REMOVE REAR SPEED SENSOR

**8. REMOVE PARKING BRAKE CABLE**

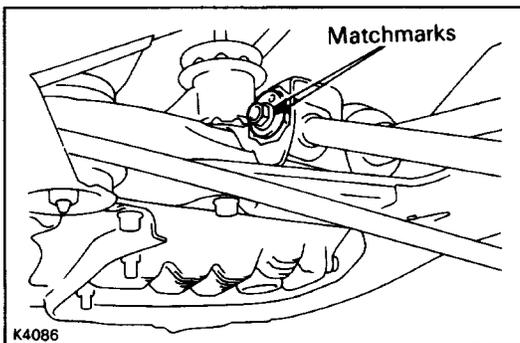
Remove the two bolts and pull out the parking brake cable.

**9. LOOSEN TWO AXLE CARRIER MOUNTING NUTS****10. DISCONNECT STRUT ROD**

(a) Loosen the strut rod mounting nut (body side).

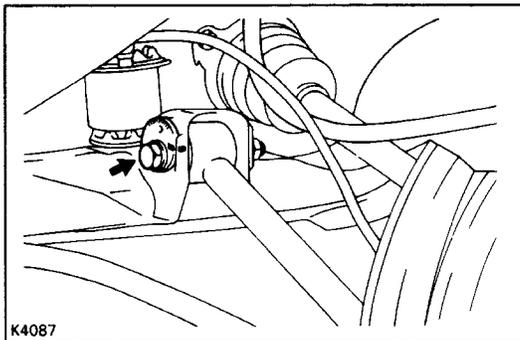


- (b) Remove the strut rod mounting bolt and nut from the axle carrier.

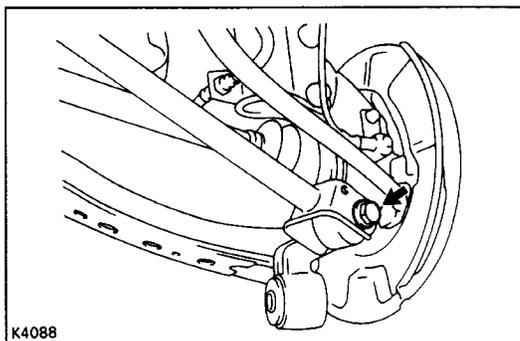


11. DISCONNECT NO.1 SUSPENSION ARM

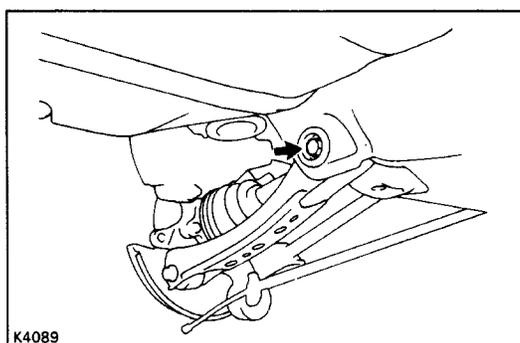
- (a) Place the matchmarks on the toe adjusting cam and control arm retainer.



- (b) Loosen the No-1 suspension arm mounting bolt (rear suspension member side).

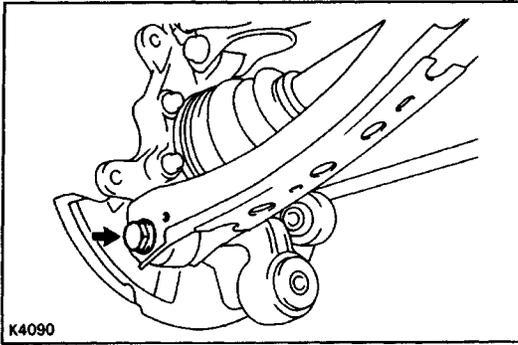


- (c) Remove the No.1 suspension arm mounting bolt and nut from the axle carrier.

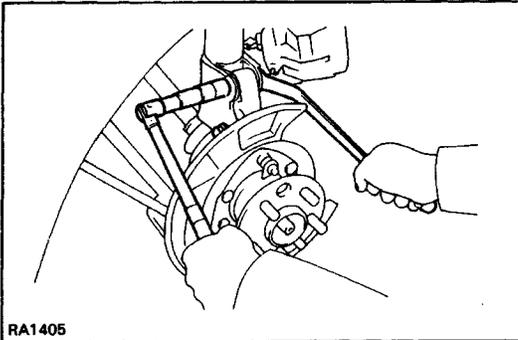


12. DISCONNECT NO.2 SUSPENSION ARM

- (a) Loosen the No.2 suspension arm mounting bolt (rear suspension member side).



(b) Remove the bolt and nut from the axle carrier.

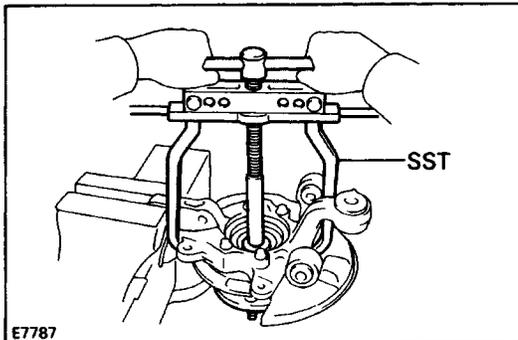


13. REMOVE AXLE CARRIER WITH AXLE HUB

(a) Remove the two axle carrier mounting bolts and nuts.

(b) Remove the axle carrier with axle hub.

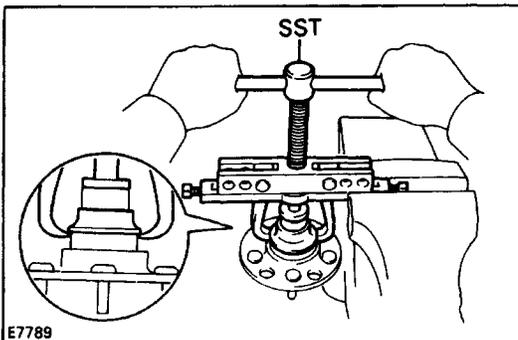
NOTICE: Cover the drive shaft boot with cloth to protect it from damage.



REPLACEMENT OF AXLE HUB AND BEARING

1. REMOVE AXLE SHAFT FROM AXLE HUB

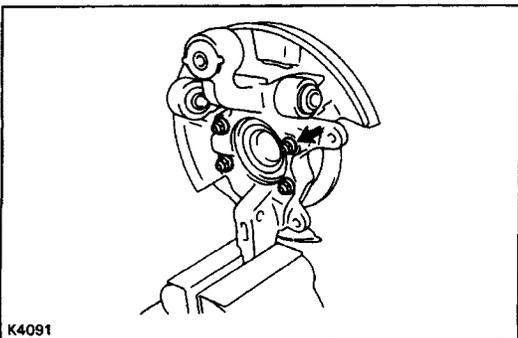
Using SST, push the axle shaft off the axle hub.
SST 09950-20017



2. REMOVE BEARING INNER RACE (OUTSIDE) FROM AXLE SHAFT

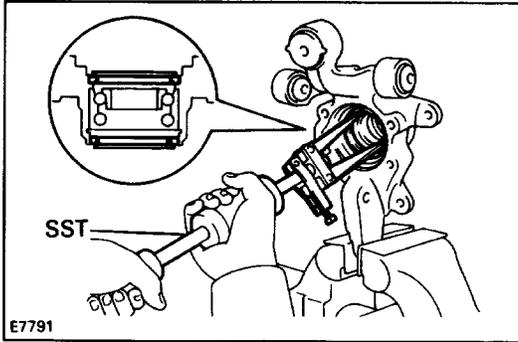
Using SST, pull off the bearing inner race (outside) from the axle shaft.

SST 09950-20017



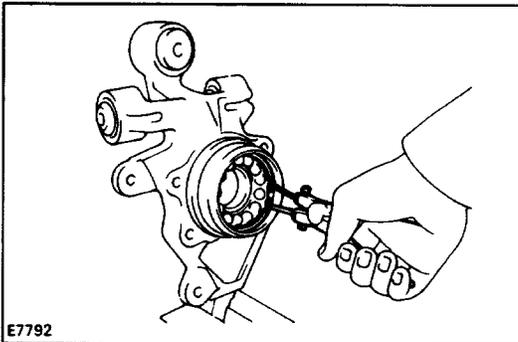
3. REMOVE BACKING PLATE

Remove the four nuts and backing plate.



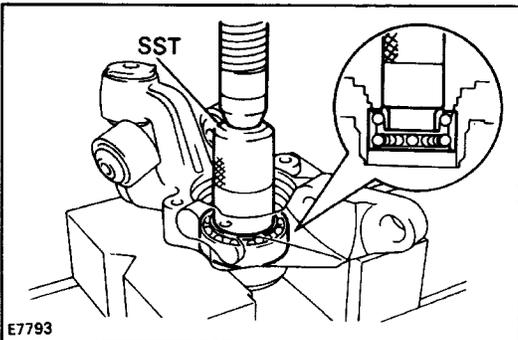
4. REMOVE INNER AND OUTER OIL SEAL

Using SST, remove the oil seal from the axle carrier.
SST 09308-00010



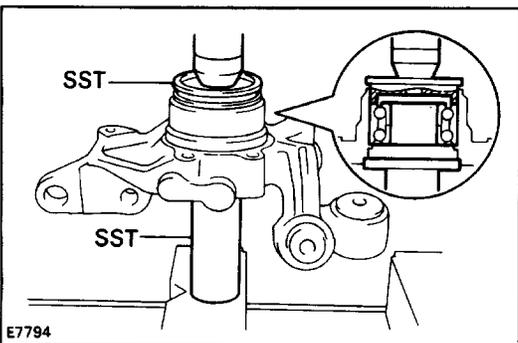
5. REMOVE SNAP RING

Using snap ring pliers, remove the snap ring from the axle carrier.



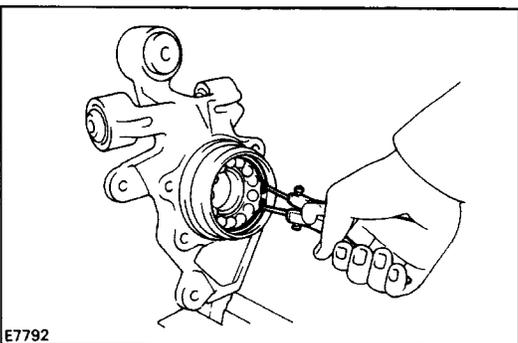
6. REMOVE BEARING

Using SST, press out the bearing from the axle carrier.
SST 09636-20010



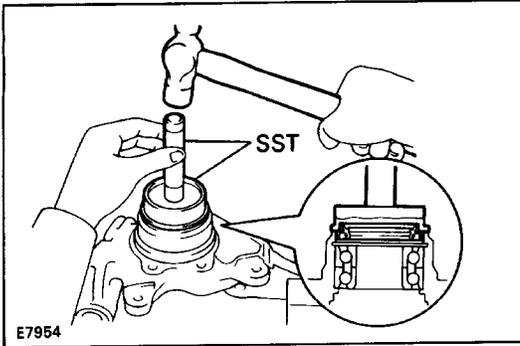
7. INSTALL BEARING

Using SST, press the bearing into the axle hub.
SST 09309-36010, 09608-32010



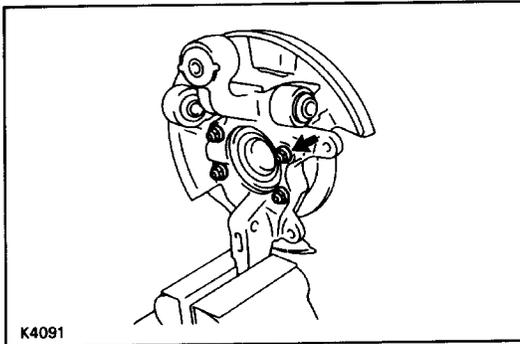
8. INSTALL SNAP RING

Using snap ring pliers, install a snap ring into the axle carrier.



9. INSTALL OUTER OIL SEAL

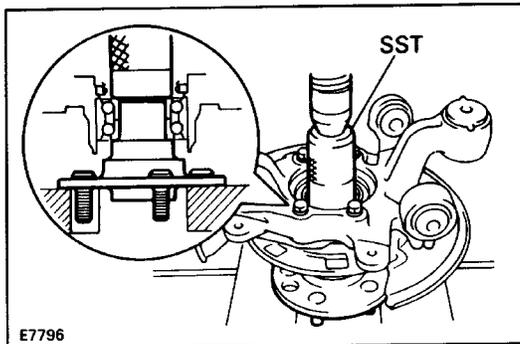
- (a) Using SST, drive in a new oil seal to the axle carrier.
SST 09608-30012 (09608-04020), 09608-32010
- (b) Apply MP grease to the oil seal lip.



10. INSTALL BACKING PLATE

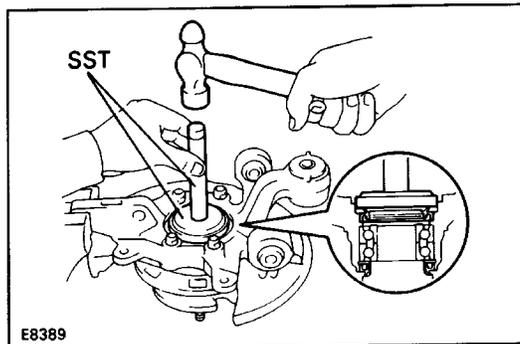
Install the backing plate to the axle carrier with new four nuts.

Torque: 72 N-m (730 kgf-cm, 53 ft-lbf)



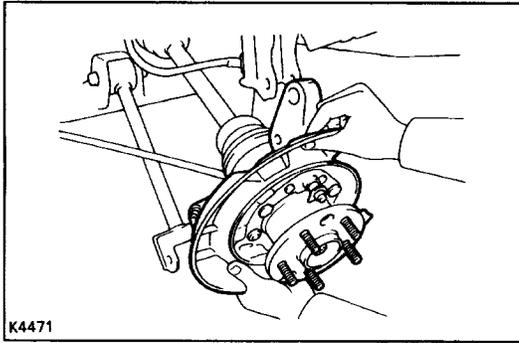
11. INSTALL AXLE SHAFT

Using SST, press in the axle shaft to the axle carrier.
SST 09636-20010



12. INSTALL INNER OIL SEAL

- (a) Using SST, drive in a new oil seal to the axle carrier.
SST 09608-30012 (09608-04020, 09608-04110)
- (b) Apply M P grease to the oil seal lip.



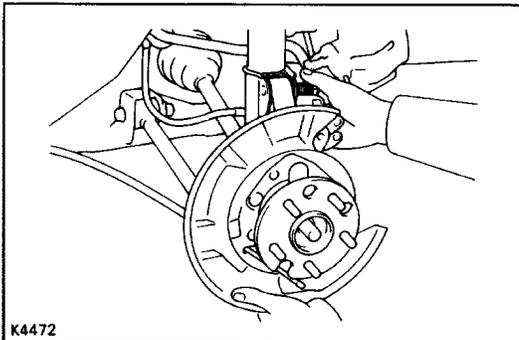
INSTALLATION OF REAR AXLE HUB AND CARRIER

1. INSTALL AXLE CARRIER WITH AXLE HUB

(a) Install the axle carrier to the drive shaft.

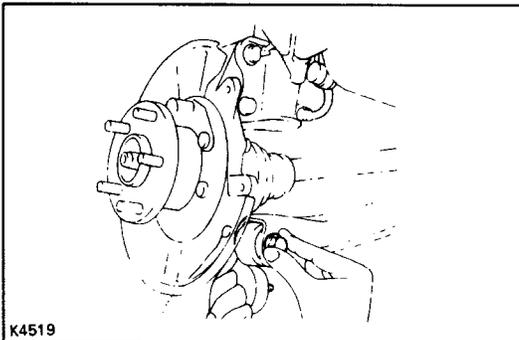
NOTICE: Be careful not to damage the oil seal.

(b) Connect the No.2 suspension arm with a bolt to the axle carrier.



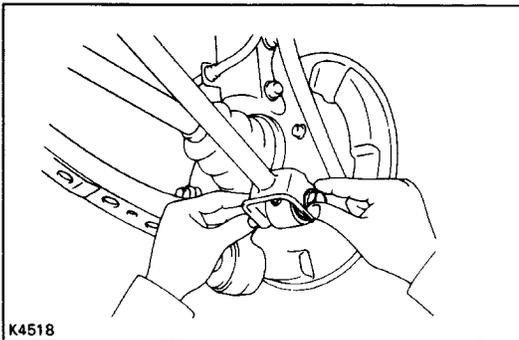
(c) Install the axle carrier to the shock absorber with two bolts.

(d) Install and finger tighten the two nuts.



2. INSTALL NO.2 SUSPENSION ARM NUT

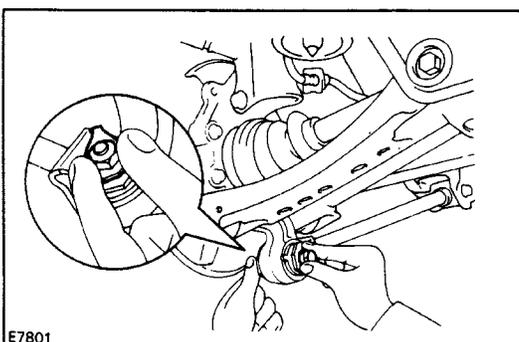
Install and finger tighten the nut.



3. CONNECT NO.1 SUSPENSION ARM

(a) Connect No.1 suspension arm with a bolt to the axle carrier.

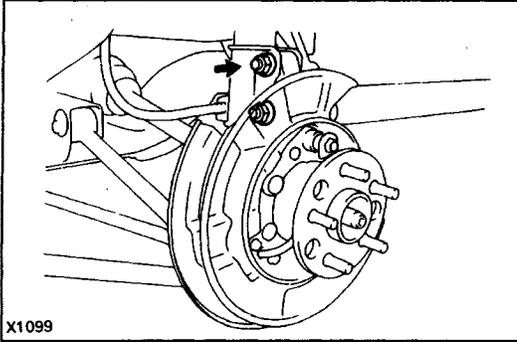
(b) Install and finger tighten the nut.



4. CONNECT STRUT ROD

(a) Connect strut rod with a bolt to the axle carrier.

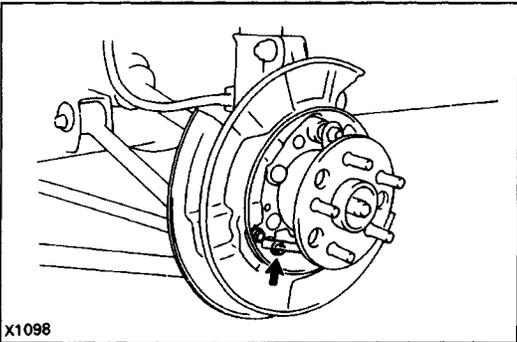
(b) Install and finger tighten the nut.



5. TORQUE AXLE CARRIER NUTS

Torque the two bolts and nuts.

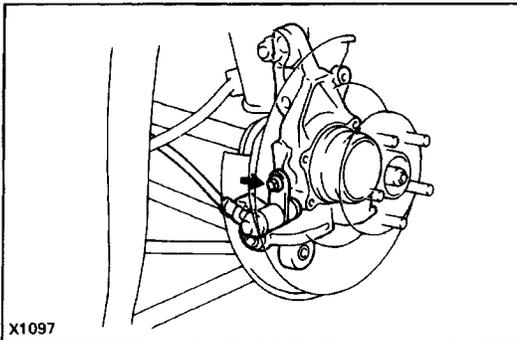
Torque: 255 N-m (2,600 kgf-cm, 188 ft-lbf)



6. INSTALL PARKING BRAKE CABLE

Install the parking brake cable with two bolts to the backing plate.

Torque: 7:8 N-m (80 kgf-cm, 69 in.-lbf)



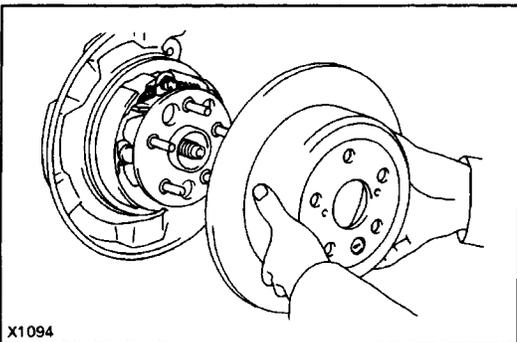
7. (w/ ABS)

INSTALL REAR SPEED SENSOR

Install the rear speed sensor with the bolt.

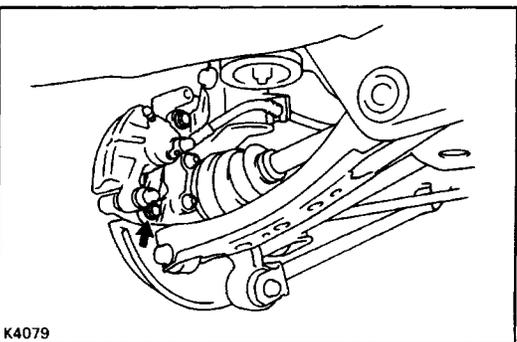
Torque: 19 N-m (195 kgf-cm, 14 ft-lbf)

8. INSTALL PARKING BRAKE ASSEMBLY



9. INSTALL ROTOR DISC

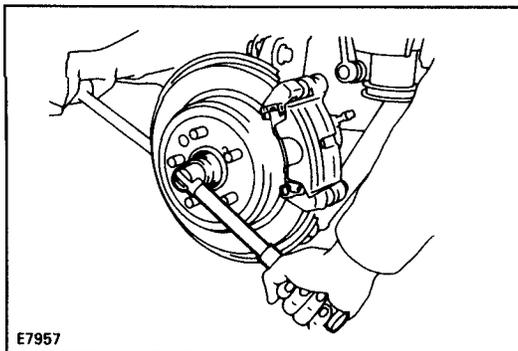
Align the matchmarks on the axle hub and rotor disc, and install the rotor disc.



10. INSTALL BRAKE CALIPER

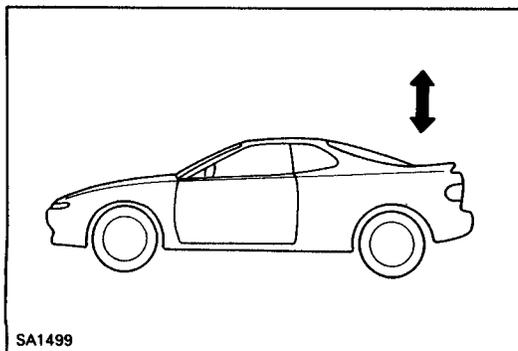
Install the brake caliper with two bolts and torque the two bolts.

Torque: 47 N-m (475 kgf-cm, 34 ft-lbf)



11. INSTALL PLATE WASHER, BEARING LOCK NUT, BEARING LOCK NUT CAP AND NEW COTTER PIN

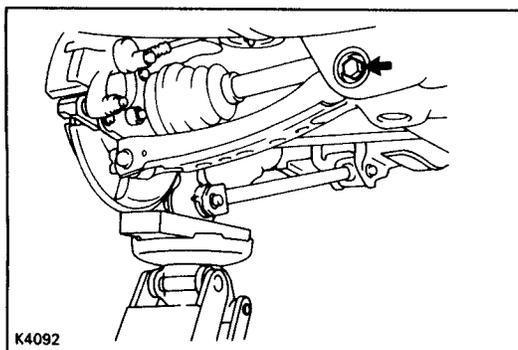
- (a) Install the lock nut.
- (b) With the parking brake engaged, and torque the nut.
Torque: 226 N-m (2,300 kgf-cm, 166 ft-lbf)
- (c) Install the lock nut cap and a new cotter pin.



12. STABILIZE SUSPENSION

- (a) Temporarily install wheels.
- (b) Remove stands and bounce the vehicle up and down to stabilize the suspension.

13. JACK UP VEHICLE AND REMOVE WHEELS

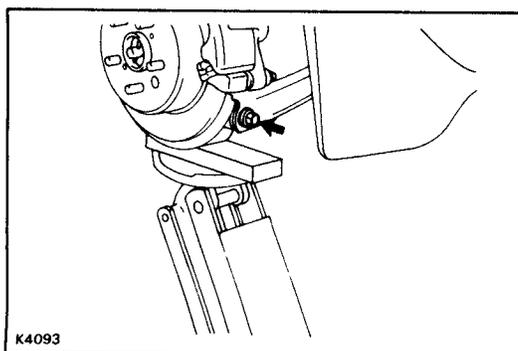


14. JACK UP AXLE CARRIER

Place wooden block on the jack and jack up axle carrier.

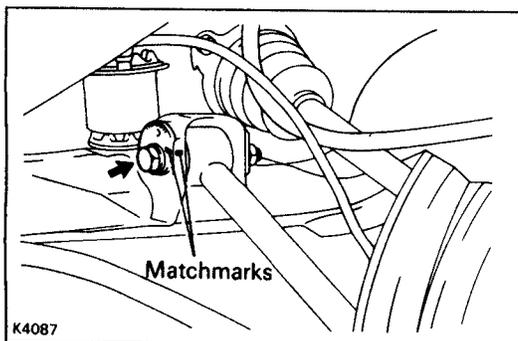
15. TORQUE NO.2 SUSPENSION ARM MOUNTING BOLT

- (a) Torque the No.2 suspension arm body side bolt.
Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)



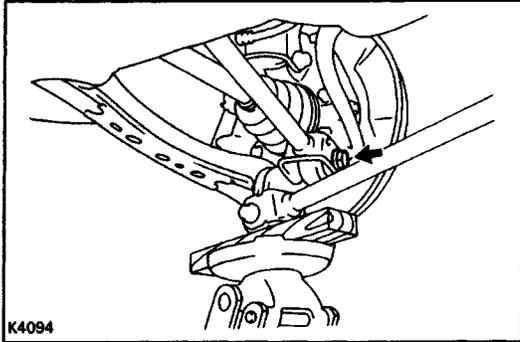
- (b) Torque the No.2 suspension arm axle carrier side bolt.

Torque: 123 N-m (1,250 kgf-cm, 90 ft-lbf)



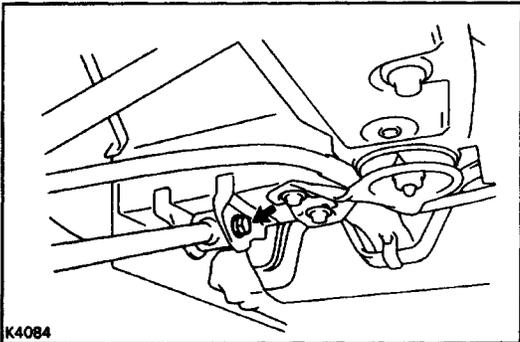
16. TORQUE NO.1 SUSPENSION ARM MOUNTING BOLT

- (a) Align the matchmarks on the adjusting cam and control arm retainer.
- (b) Torque the No. 1 suspension arm mounting bolt.
Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)



(c) Torque the No.1 suspension arm axle carrier side bolt.

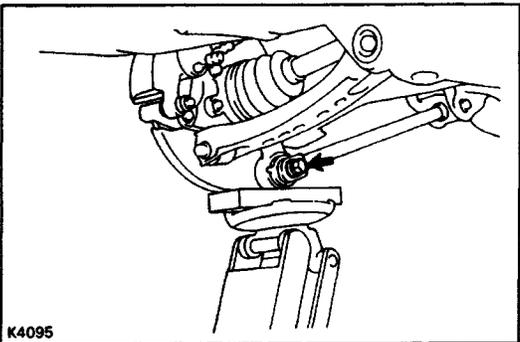
Torque: 123 N-m (1,250 kgf-cm, 90 ft-lbf)



17. TORQUE STRUT ROD MOUNTING BOLT

(a) Torque the strut rod body side bolt.

Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)



(b) Torque the strut rod axle carrier side bolt.

Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)

18. INSTALL AND TORQUE WHEELS

Torque: 103 N-m (1,050 kgf-cm, 76 ft-lbf)

19. BLEED BRAKE SYSTEM

20. CHECK REAR WHEEL ALIGNMENT

(See page [SA-5](#))