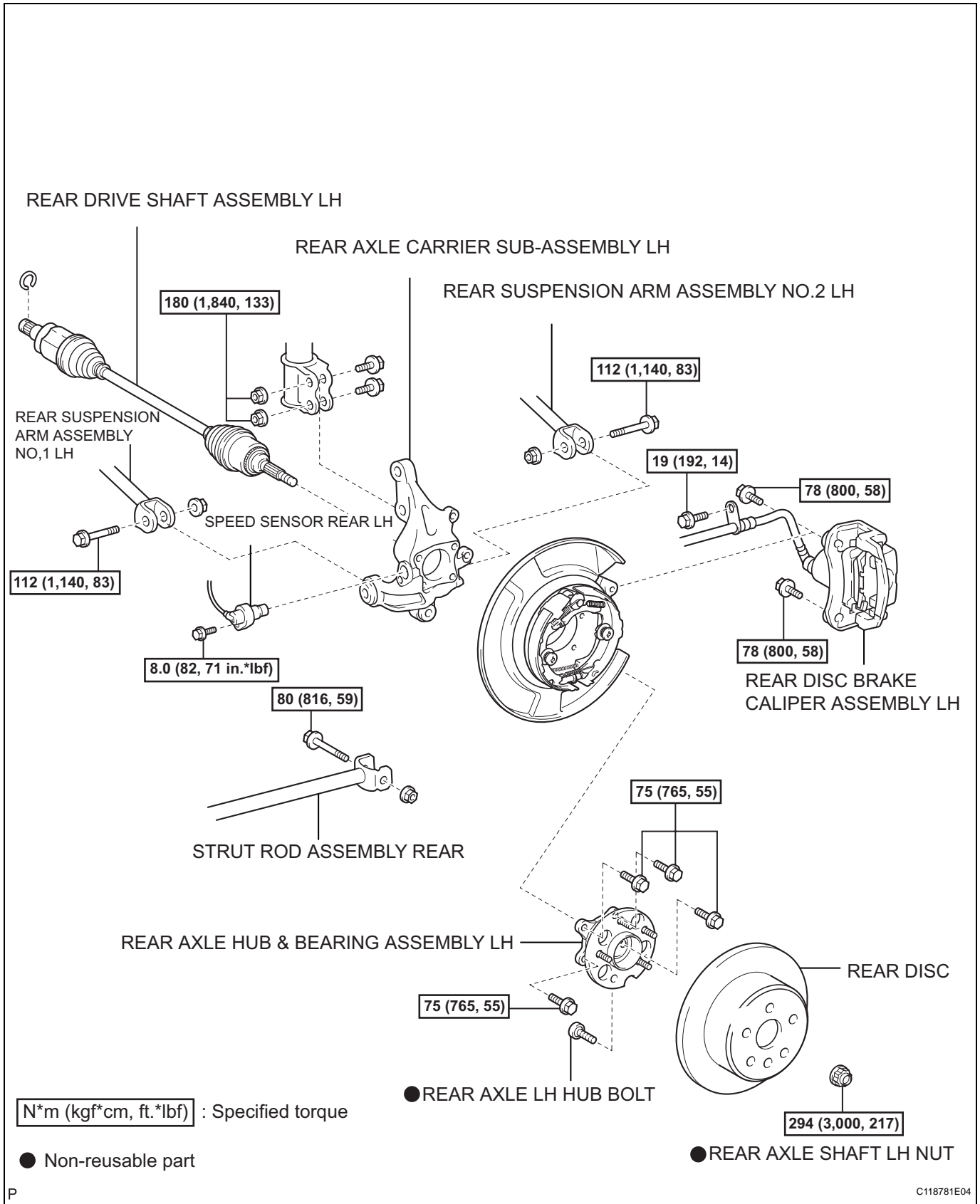


REAR AXLE CARRIER (for 4WD)

COMPONENTS



AH

REMOVAL

HINT:

Replace the RH side using the same procedures as for the LH side.

1. REMOVE REAR WHEEL

2. SEPARATE SPEED SENSOR REAR LH

- (a) Remove the bolt and separate the speed sensor from the axle carrier.

NOTICE:

- Be careful not to damage the speed sensor.
- Prevent foreign matter from adhering to the speed sensor.

3. REMOVE REAR AXLE SHAFT LH NUT

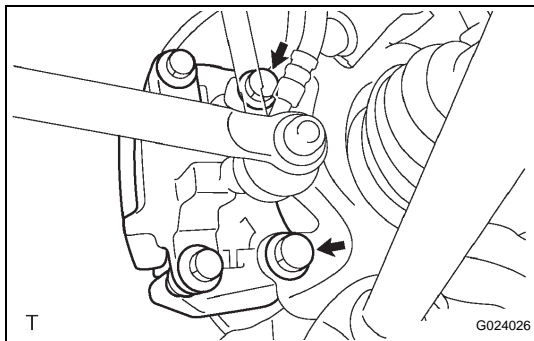
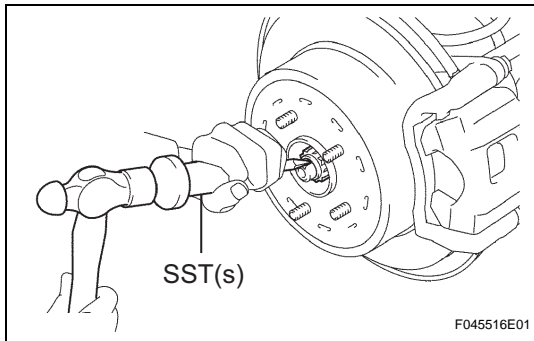
- (a) Using SST(s) and a hammer, unstake the staked part of the axle hub LH nut.

SST 09930-00010

NOTICE:

Loosen the staked part of the nut completely, otherwise the screw of the drive shaft may be damaged.

- (b) While applying the brakes, remove the lock axle hub LH nut.



4. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY LH

- (a) Remove the bolt, and separate the flexible hose from the shock absorber.
- (b) Remove the 2 bolts and separate rear disc brake caliper assembly.

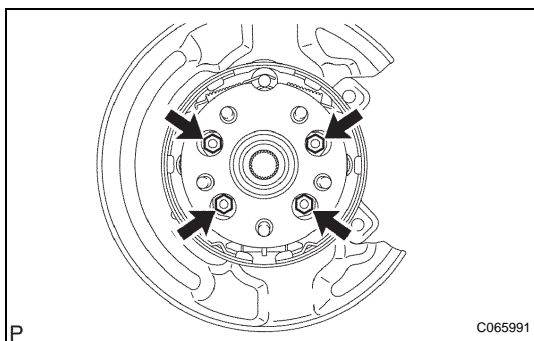
NOTICE:

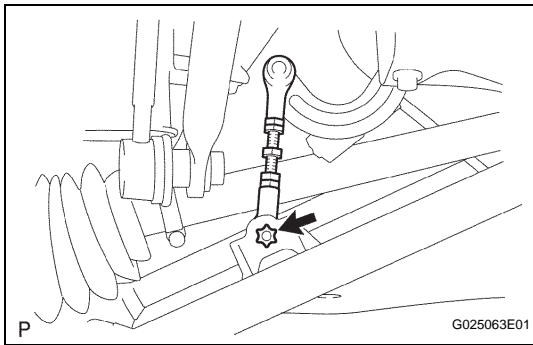
Use a string or other device to keep the brake caliper from hanging down.

5. REMOVE REAR DISC

6. REMOVE REAR AXLE HUB & BEARING ASSEMBLY LH

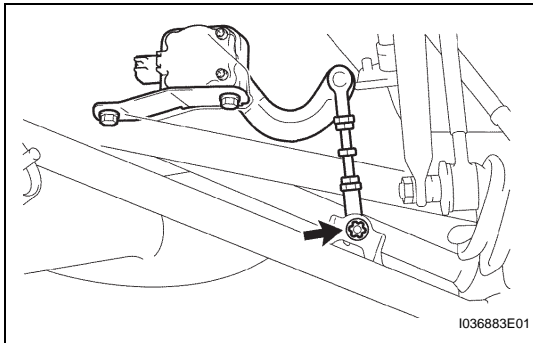
- (a) Remove the 4 bolts and the rear axle hub & bearing assembly LH.





7. SEPARATE HEIGHT CONTROL SENSOR SUB-ASSEMBLY REAR

- (a) Remove the nut, and separate the height control sensor sub assembly from the suspension arm assembly No. 2 (w/ air suspension).

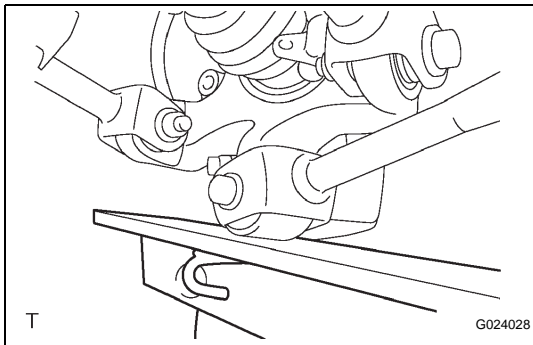


8. SEPARATE HEIGHT CONTROL SENSOR SUB-ASSEMBLY REAR

- (a) Remove the nut and separate the height control sensor link (w/ discharge head light)

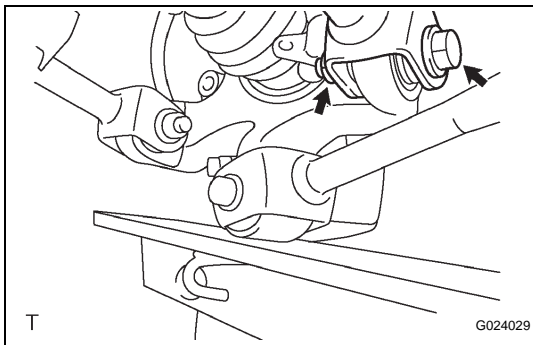
HINT:

Perform the procedure only when removing the RH side.



9. SEPARATE REAR SUSPENSION ARM ASSEMBLY NO.1 LH

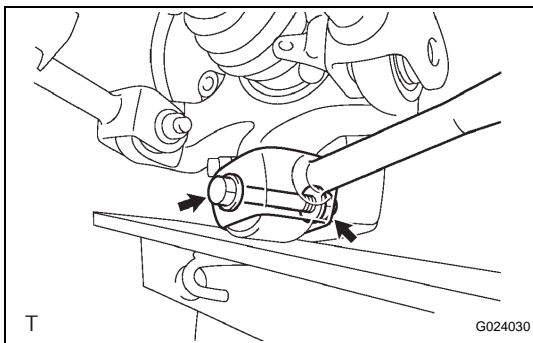
- (a) Using a jack, raise the rear axle carrier sub-assembly LH, as shown in the illustration.



- (b) Remove the bolt and nut, and separate the rear suspension arm assembly No. 1 LH (rear axle carrier side) from the rear axle carrier.

HINT:

When removing the bolt, keep the nut from rotating.

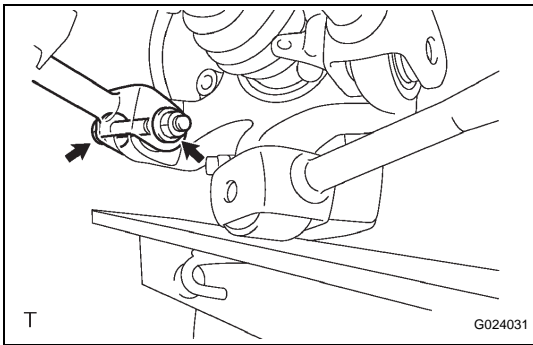


10. SEPARATE STRUT ROD ASSEMBLY REAR

- (a) Remove the bolt and nut, and separate the strut rod assembly rear (rear axle carrier side) from rear axle carrier.

HINT:

When removing the bolt, keep the nut from rotating.

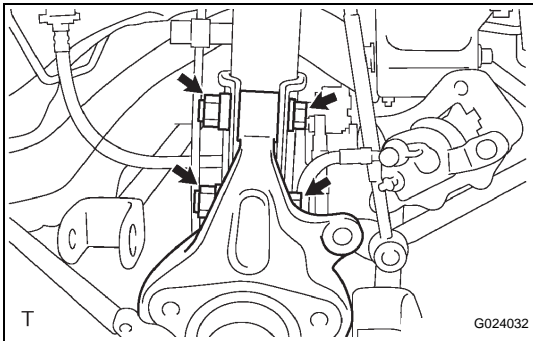


11. SEPARATE REAR SUSPENSION ARM ASSEMBLY NO.2 LH

- (a) Remove the bolt and nut, and separate the rear suspension arm assembly No. 2 LH (rear axle carrier side) from the rear axle carrier.

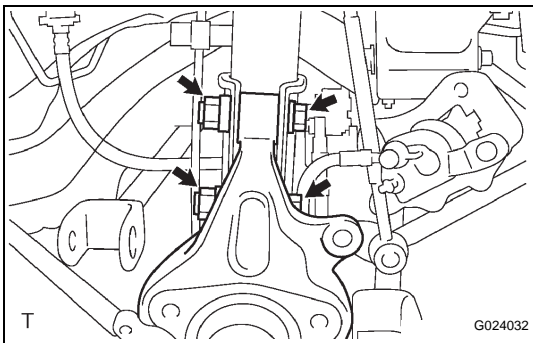
HINT:

When removing the bolt, keep the nut from rotating.



12. REMOVE REAR AXLE CARRIER SUB-ASSEMBLY LH

- (a) Remove the 2 bolts and 2 nuts, and the rear axle carrier sub-assembly LH from the shock absorber.



INSTALLATION

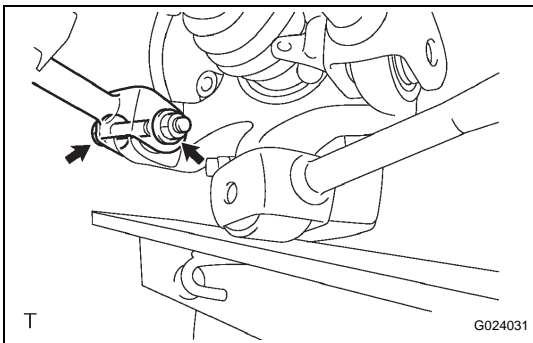
1. INSTALL REAR AXLE CARRIER SUB-ASSEMBLY LH

- (a) Install the rear axle carrier sub-assembly LH with the 2 bolts and nuts.

Torque: 180 N*m (1,840 kgf*cm, 133 ft.*lbf)

HINT:

Insert the bolt from the rear side of the vehicle and temporarily install the nut to the shock absorber.

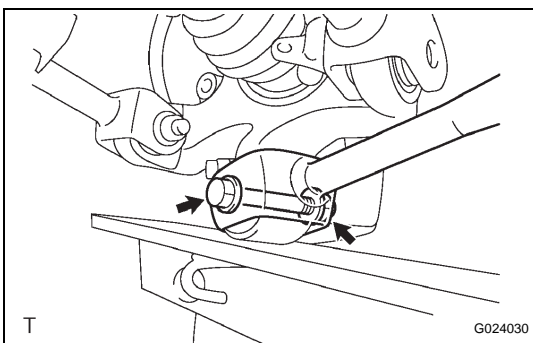


2. TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSEMBLY NO.2 LH

- (a) Temporarily tighten the rear suspension arm assembly No. 2 LH with the bolt and nut.

HINT:

Insert the bolt from the rear side of the vehicle and lightly tighten the bolt.

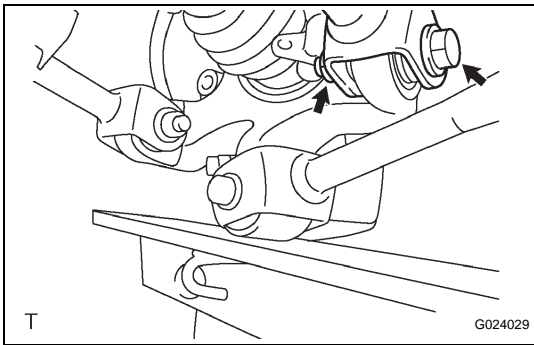


3. TEMPORARILY TIGHTEN STRUT ROD ASSEMBLY REAR

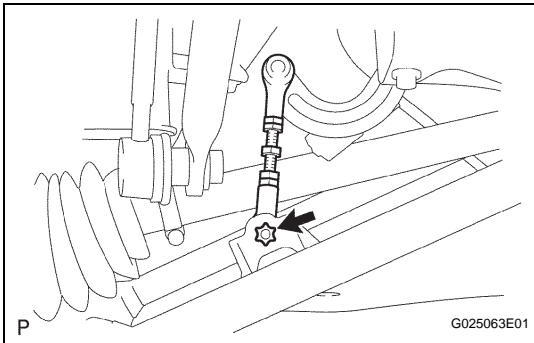
- (a) Temporarily tighten the strut rod assembly rear with the bolt and nut.

HINT:

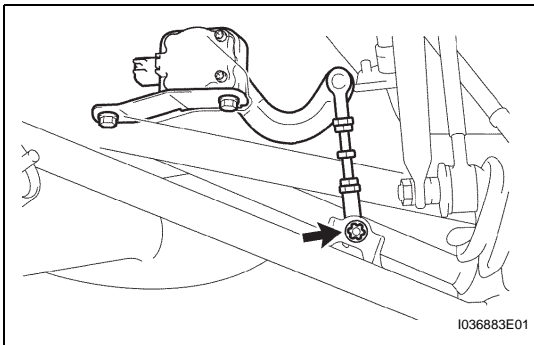
Insert the bolt from the inside of the vehicle and lightly tighten the bolt.



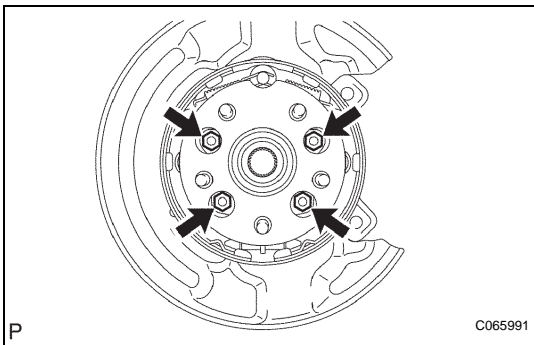
- 4. TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSEMBLY NO.1 LH**
- (a) Temporarily tighten the rear suspension arm assembly No. 1 LH with the bolt and nut.
HINT:
 Insert the bolt from the front side of the vehicle and lightly tighten the bolt.



- 5. INSTALL HEIGHT CONTROL SENSOR SUB-ASSEMBLY REAR**
- (a) Install the height control sensor sub-assembly and nut to the suspension arm assembly No. 2 (w/ air suspension).
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)



- 6. INSTALL HEIGHT CONTROL SENSOR SUB-ASSEMBLY REAR**
- (a) Install the height control sensor link with the nut (w/ discharge head light).
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)
HINT:
 Perform the procedure only when installing the RH side.

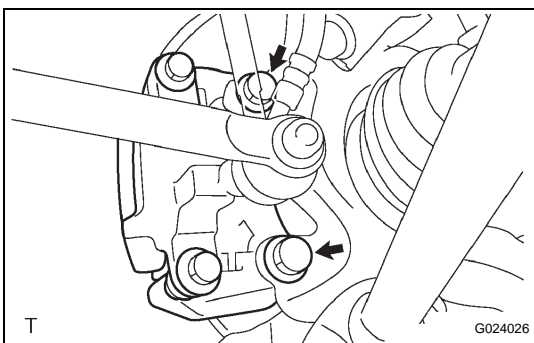


- 7. INSTALL REAR AXLE HUB & BEARING ASSEMBLY LH**
- (a) Install the rear axle hub & bearing assembly LH with the 4 bolts.
Torque: 75 N*m (765 kgf*cm, 55 ft.*lbf)

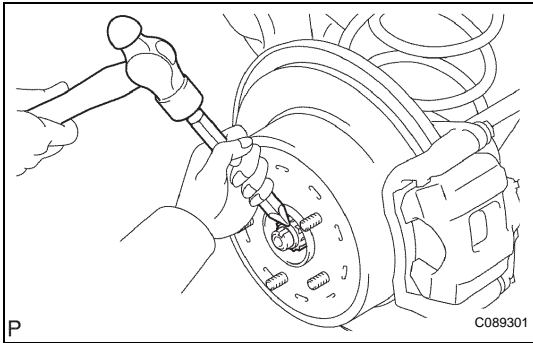
8. INSPECT BEARING BACKLASH (See page AH-18)

9. INSPECT AXLE HUB DEVIATION (See page AH-18)

10. INSTALL REAR DISC



- 11. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY LH**
- (a) Install the rear disc brake caliper assembly LH with the 2 bolts.
Torque: 78 N*m (800 kgf*cm, 58 ft.*lbf)
- (b) Install the flexible hose with the bolt to the shock absorber.
Torque: 19 N*m (192 kgf*cm, 14 ft.*lbf)



12. INSTALL REAR AXLE SHAFT LH NUT

- (a) Install a new axle shaft LH nut.
Torque: 294 N*m (3,000 kgf*cm, 217 ft.*lbf)
- (b) Using a chisel and hammer, stake the axle shaft LH nut.

13. INSTALL SPEED SENSOR REAR LH

- (a) Install the speed sensor with the bolt.
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)

NOTICE:

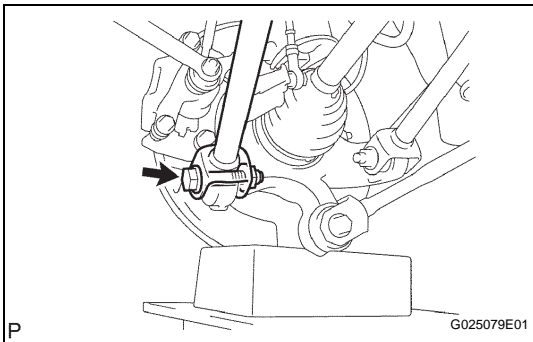
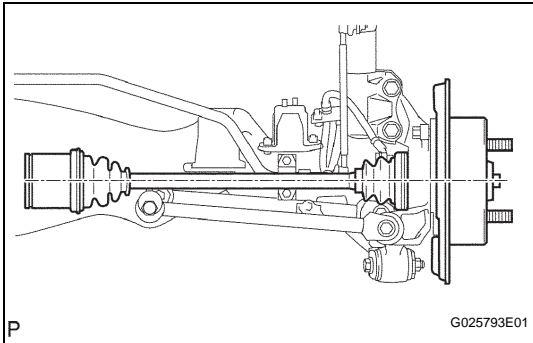
- Be careful not to damage the speed sensor.
- Prevent foreign matter from adhering to the speed sensor.
- Do not twist the sensor wire when installing the sensor.

14. INSTALL REAR WHEEL

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

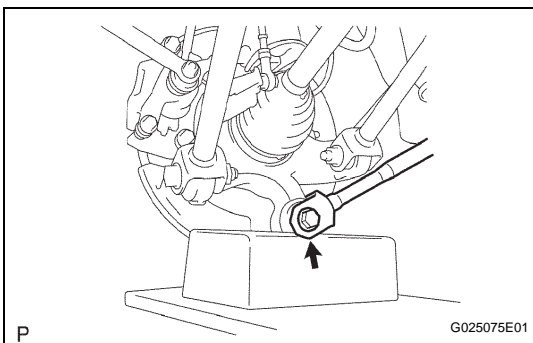
15. STABILIZE SUSPENSION

- (a) Jack up the rear axle carrier, placing a wood block to avoid damage. Apply load to the suspension so that the rear drive shaft assembly is horizontally positioned.



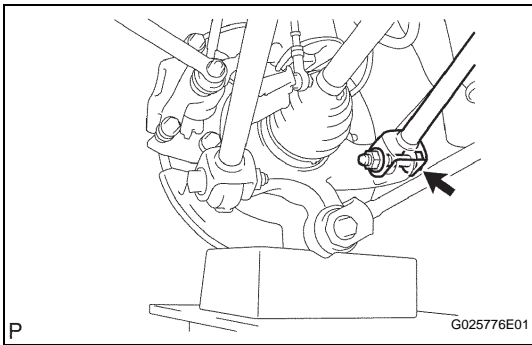
16. FULLY TIGHTEN REAR SUSPENSION ARM ASSEMBLY NO.2 LH

- (a) Fully tighten the bolt.
Torque: 112 N*m (1,140 kgf*cm, 83 ft.*lbf)



17. FULLY TIGHTEN STRUT ROD ASSEMBLY REAR

- (a) Fully tighten the bolt.
Torque: 80 N*m (816 kgf*cm, 59 ft.*lbf)



18. FULLY TIGHTEN REAR SUSPENSION ARM ASSEMBLY NO.1 LH

(a) Fully tighten the bolt.

Torque: 112 N*m (1,140 kgf*cm, 83 ft.*lbf)

19. INSPECT REAR WHEEL ALIGNMENT

(a) Inspect rear wheel alignment (See page [SP-7](#)).

20. ADJUST VEHICLE HEIGHT

(a) Adjust vehicle height only for the vehicle with air suspension (See page [SC-15](#)).

21. ADJUST HEADLIGHT AIM ONLY (See page [LI-196](#))

22. CHECK ABS SPEED SENSOR SIGNAL

(a) Check ABS speed sensor signal (See page [BC-7](#)).