

REAR AXLE HUB INSTALLATION



CAUTION / NOTICE / HINT

Tech Tips

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. INSTALL REAR AXLE HUB AND BEARING ASSEMBLY

- a. Hold the rear axle carrier sub-assembly between aluminum plates in a vise.

Note

Do not overtighten the vise.

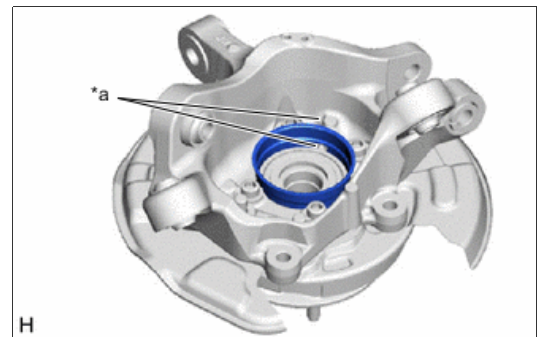
- b. Install the rear axle hub and bearing assembly and parking brake plate sub-assembly to the rear axle carrier sub-assembly with the 4 bolts.

Torque:

75 N*m { 765 kgf*cm, 55 ft.*lbf }

2. INSTALL REAR NO. 1 WHEEL BEARING DUST DEFLECTOR

- a. Set a new rear No. 1 wheel bearing dust deflector to the rear axle carrier sub-assembly while aligning the hole for the rear speed sensor in the rear No. 1 wheel bearing dust deflector with the hole of the rear axle carrier sub-assembly.



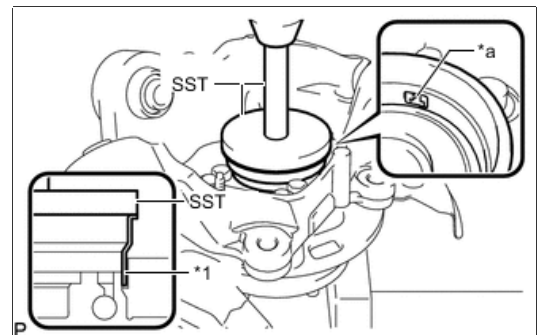
*a	Hole
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- b. Using SST and a press, install the rear No. 1 wheel bearing dust deflector.

SST

09950-70010 (09951-07150)

09951-01000



*1	Rear No. 1 Wheel Bearing Dust Deflector
*a	Hole

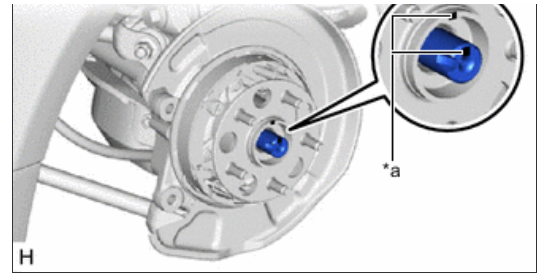
3. INSTALL REAR AXLE ASSEMBLY

- a. Install the rear axle assembly to the rear drive shaft assembly.

Note



Align the matchmarks on the rear drive shaft assembly and rear axle hub and bearing assembly.



*a

Matchmark

4. TEMPORARILY INSTALL REAR UPPER CONTROL ARM ASSEMBLY

[Click here](#)

5. TEMPORARILY INSTALL REAR NO. 1 UPPER CONTROL ARM ASSEMBLY

[Click here](#)

6. INSTALL REAR LOWER COIL SPRING INSULATOR

[Click here](#)

7. INSTALL REAR UPPER COIL SPRING INSULATOR

[Click here](#)

8. INSTALL REAR COIL SPRING

[Click here](#)

9. TEMPORARILY INSTALL REAR SHOCK ABSORBER ASSEMBLY

[Click here](#)

10. INSTALL REAR STABILIZER LINK ASSEMBLY

[Click here](#)

11. TEMPORARILY INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY

a. Temporarily install the rear No. 1 suspension arm assembly to the rear axle carrier sub-assembly with the bolt and nut.

Note

Because the nut has its own stopper, do not turn the nut. Tighten the bolt with the nut secured.

Tech Tips

Insert the bolt with the threaded end facing the front of the vehicle.

12. TEMPORARILY INSTALL TOE CONTROL LINK SUB-ASSEMBLY (w/o Dynamic Rear Steering)

[Click here](#)

13. INSTALL REAR STEERING TIE ROD ASSEMBLY (w/ Dynamic Rear Steering)

[Click here](#)

14. INSTALL PARKING BRAKE ASSEMBLY

[Click here](#)

15. INSTALL REAR DISC

[Click here](#)

16. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY

[Click here](#)

17. TEMPORARILY INSTALL REAR AXLE SHAFT NUT

a. Clean the threaded parts on the rear drive shaft assembly and a new rear axle shaft nut using non-residue solvent.

Note

- Be sure to perform this work even when using a new rear drive shaft assembly.
- Keep the threaded parts free of oil and foreign matter.

b. Using a 32 mm socket wrench, while applying the brakes, temporarily install the rear axle shaft nut.

Torque:
290 N*m { 2957 kgf*cm, 214 ft.*lbf }

Note

Stake the rear axle shaft nut after inspecting for looseness and runout in the following steps.

Tech Tips

Keep depressing the brake pedal to prevent the rear drive shaft assembly from rotating.

18. **SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY**

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19. **REMOVE REAR DISC**

[Click here](#)

20. **INSPECT REAR AXLE HUB BEARING LOOSENESS**

[Click here](#)

21. **INSPECT REAR AXLE HUB RUNOUT**

[Click here](#)

22. **INSTALL REAR DISC**

[Click here](#)

23. **INSTALL PARKING BRAKE SHOE ADJUSTING HOLE PLUG**

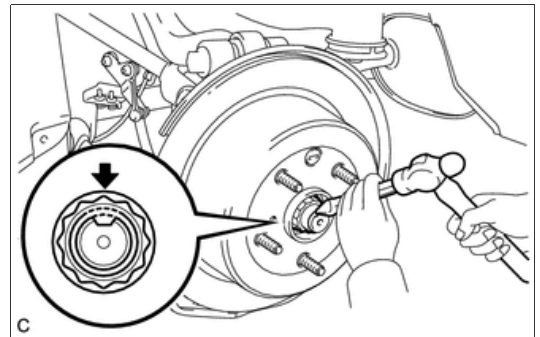
[Click here](#)

24. **INSTALL REAR DISC BRAKE CALIPER ASSEMBLY**

[Click here](#)

25. **INSTALL REAR AXLE SHAFT NUT**

a. Using a chisel and hammer, stake the rear axle shaft nut.



26. **INSTALL REAR SPEED SENSOR**

a. Install the rear speed sensor to the rear axle carrier sub-assembly with the 2 bolts.

Torque:
8.5 N*m { 87 kgf*cm, 75 in.*lbf }

27. **STABILIZE SUSPENSION**

[Click here](#)

28. **FULLY TIGHTEN TOE CONTROL LINK SUB-ASSEMBLY (w/o Dynamic Rear Steering)**

[Click here](#)

29. **FULLY TIGHTEN REAR UPPER CONTROL ARM ASSEMBLY**

a. Fully tighten the rear upper control arm assembly nut.

Torque:
190 N*m { 1937 kgf*cm, 140 ft.*lbf }

Note

Because the bolt has its own stopper, do not turn the bolt. Tighten the nut with the bolt secured.

- b. Install the rear speed sensor to the rear upper control arm assembly with the bolt.**

Torque:
8.5 N*m { 87 kgf*cm, 75 in.*lbf }

30. FULLY TIGHTEN REAR NO. 1 UPPER CONTROL ARM ASSEMBLY

- a. Fully tighten the rear No. 1 upper control arm assembly nut.**

Torque:
150 N*m { 1530 kgf*cm, 111 ft.*lbf }

Note

Because the bolt has its own stopper, do not turn the bolt. Tighten the nut with the bolt secured.

31. FULLY TIGHTEN REAR SHOCK ABSORBER ASSEMBLY

[Click here](#)

32. FULLY TIGHTEN REAR NO. 2 SUSPENSION ARM ASSEMBLY

[Click here](#)

33. FULLY TIGHTEN REAR NO. 1 SUSPENSION ARM ASSEMBLY

[Click here](#)

34. INSTALL REAR SUSPENSION ARM COVER

[Click here](#)

35. INSTALL REAR HEIGHT CONTROL SENSOR SUB-ASSEMBLY

[Click here](#)

36. ADJUST PARKING BRAKE

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37. INSTALL REAR WHEEL

[Click here](#)

38. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

[Click here](#)

39. CHECK FOR SPEED SENSOR SIGNAL

[Click here](#)

40. INITIALIZE HEIGHT CONTROL SENSOR SIGNAL (for Single Beam Headlight)

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41. INITIALIZE HEIGHT CONTROL SENSOR SIGNAL (for Triple Beam Headlight)

[Click here](#)

42. ADJUST HEADLIGHT AIMING (for Single Beam Headlight)

[Click here](#)

43. ADJUST HEADLIGHT AIMING (for Triple Beam Headlight)

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