



Free Running Hub

REMOVAL & INSTALLATION

Manual Lock

1. Raise the front of the vehicle and support the front axle on stands.
2. Remove the wheels.
3. Set the knob of the manual lock to the **free** position.
4. Remove the locking hub cover using a Torx® wrench, while the brake pedal is depressed.
5. Remove the snapping and pull out the drive clutch.

To install:

6. Install the drive clutch and snapping. Make sure the hub is in the **free** position.
7. Install the hub cover and tighten the bolts to 18–25 ft. lbs. (25–34 Nm).
8. Install the wheels, remove the stands and lower the vehicle.

Fig. 1: Set the hub to FREE position

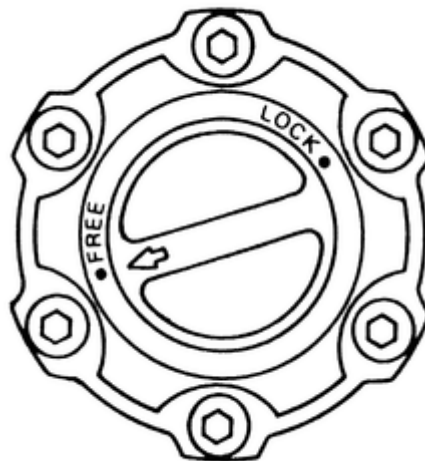


Fig. 2: Remove the snapping and then pull out the drive clutch

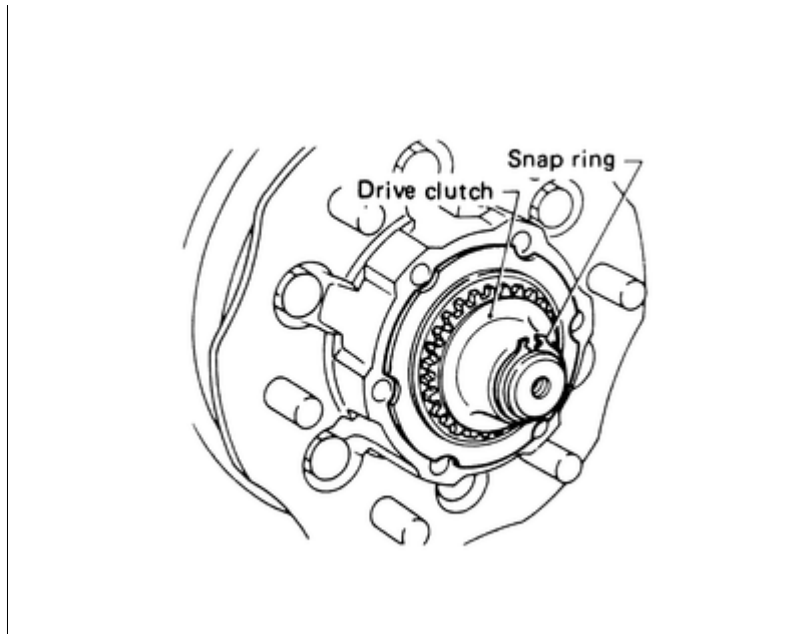
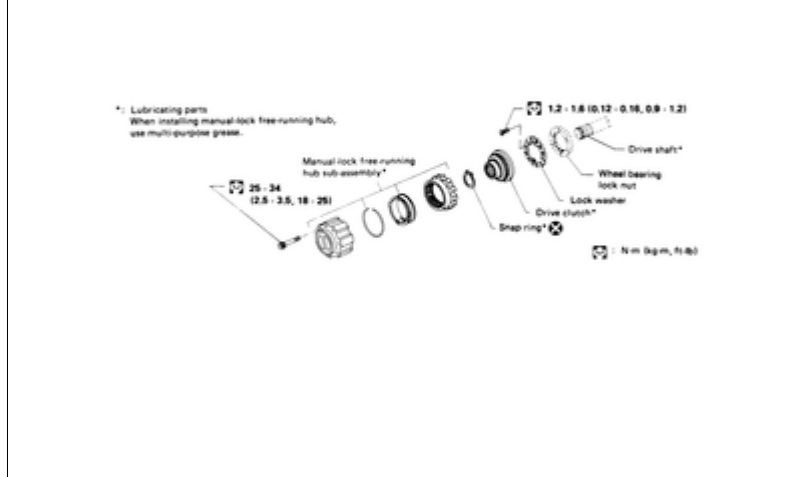


Fig. 3: Exploded view of the manual lock free running hub



Auto Lock

1. Raise the front of the vehicle and support the front axle on jackstands.
2. Remove the wheels.
3. Set the auto-lock free-running hub to the **free** position.

Fig. 4: Remove the snapping and then remove the washers

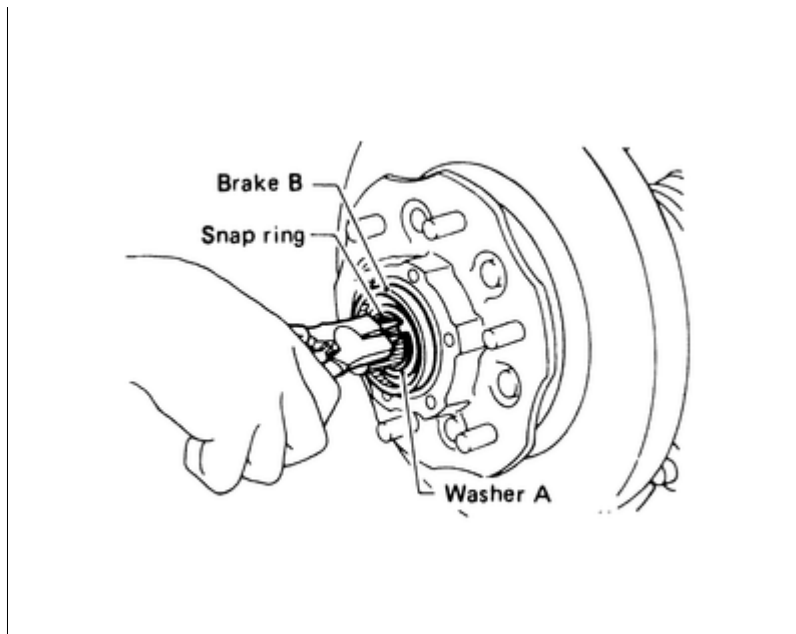


Fig. 5: Exploded view of the auto lock free running hub

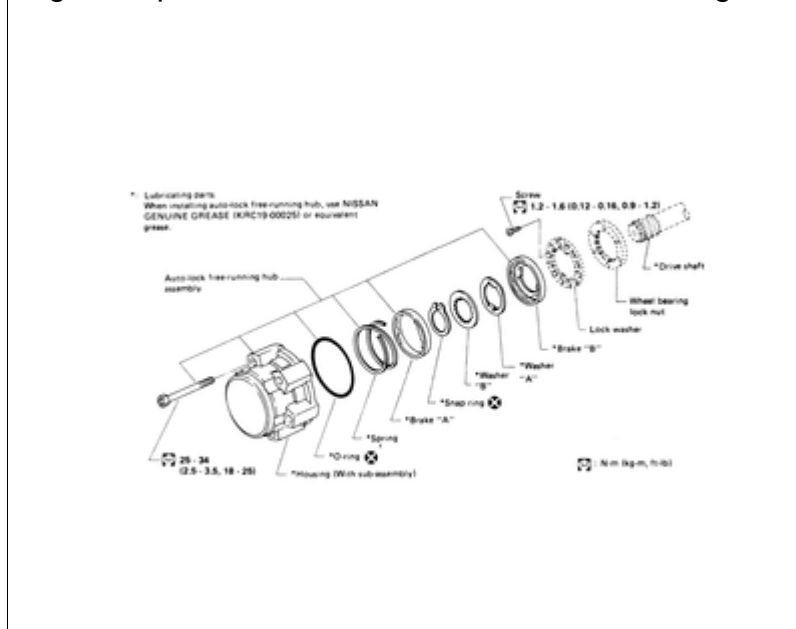


Fig. 6: View of the auto lock free running hub installed

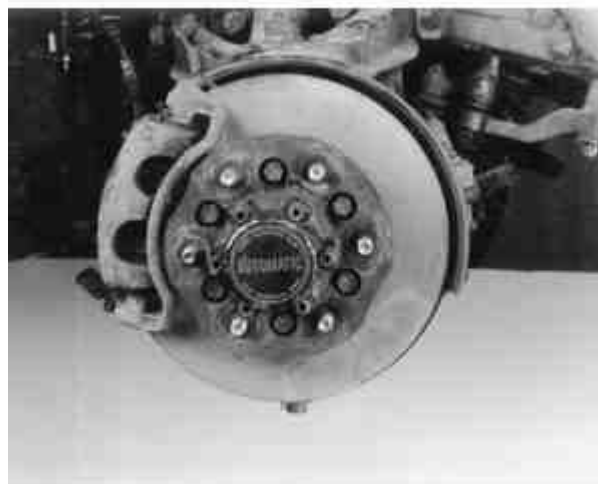


Fig. 7: Remove the auto lock hub housing retaining bolts, first using a torx® socket



Fig. 8: Remove the auto lock hub housing — note the sub housing inside the cap



Fig. 9: Remove the auto lock hub housing then remove the O-ring, if necessary



Fig. 10: Remove the snapring from the auto lock hub using snapping pliers



Fig. 11: Close up view of the snapring for the auto lock hub — note position of the tool



Fig. 12: Here the snapping is shown removed along with the spring, held up to show its relation in the assembly



Fig. 13: Remove the washer and brake assembly, keep parts in order for correct installation



Fig. 14: After removing the auto lock hub assembly components remove the lock washer set screw

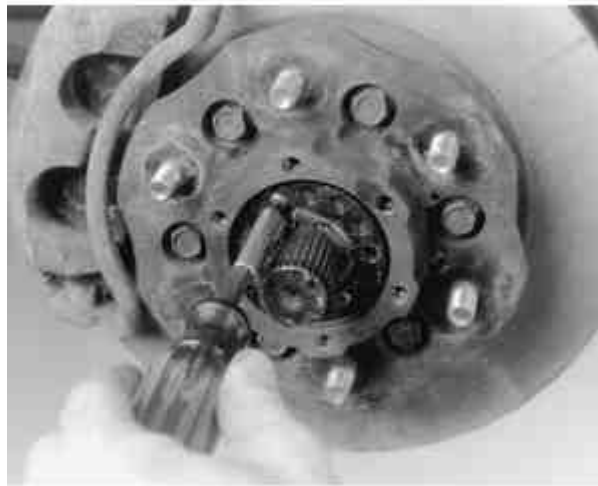


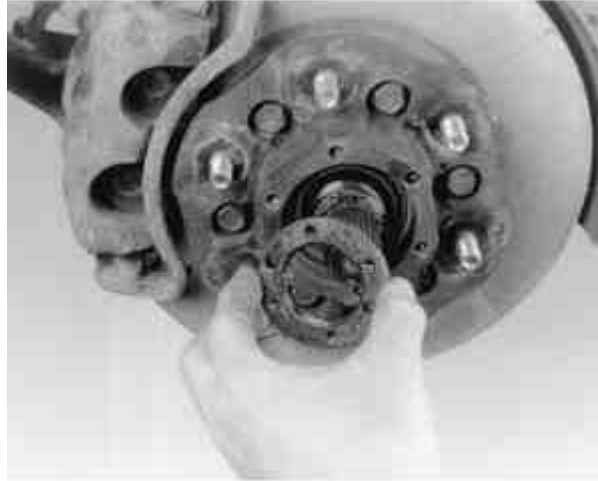
Fig. 15: After removing the auto lock hub lock washer set screw, remove the lock washer



Fig. 16: Loosen the wheel bearing lock-nut — note position of tools used for this job



Fig. 17: After loosening the wheel bearing lock-nut remove the lock-nut from the hub assembly



4. Remove the locking hub cover using a Torx® wrench, while the brake pedal is depressed.
5. Remove the spring, brake **A**, the snapping using the appropriate pliers, then remove washer **B**, washer **A** and brake **B**.
6. If wheel bearing removal is desired, after removing the auto lock hub assembly components remove the lock washer set screw. Remove the lock washer for access to the wheel bearing lock-nut, then remove the lock-nut and the wheel bearing is free for removal.

To install:

7. Make sure the hub is in the **free** position and then install washer **B**, washer **A** and brake **B**.
8. Install the snapping.
9. Install the hub cover and tighten the bolts to 18–25 ft. lbs. (25–34 Nm).
10. Install the wheels, remove the stands and then lower the vehicle.

