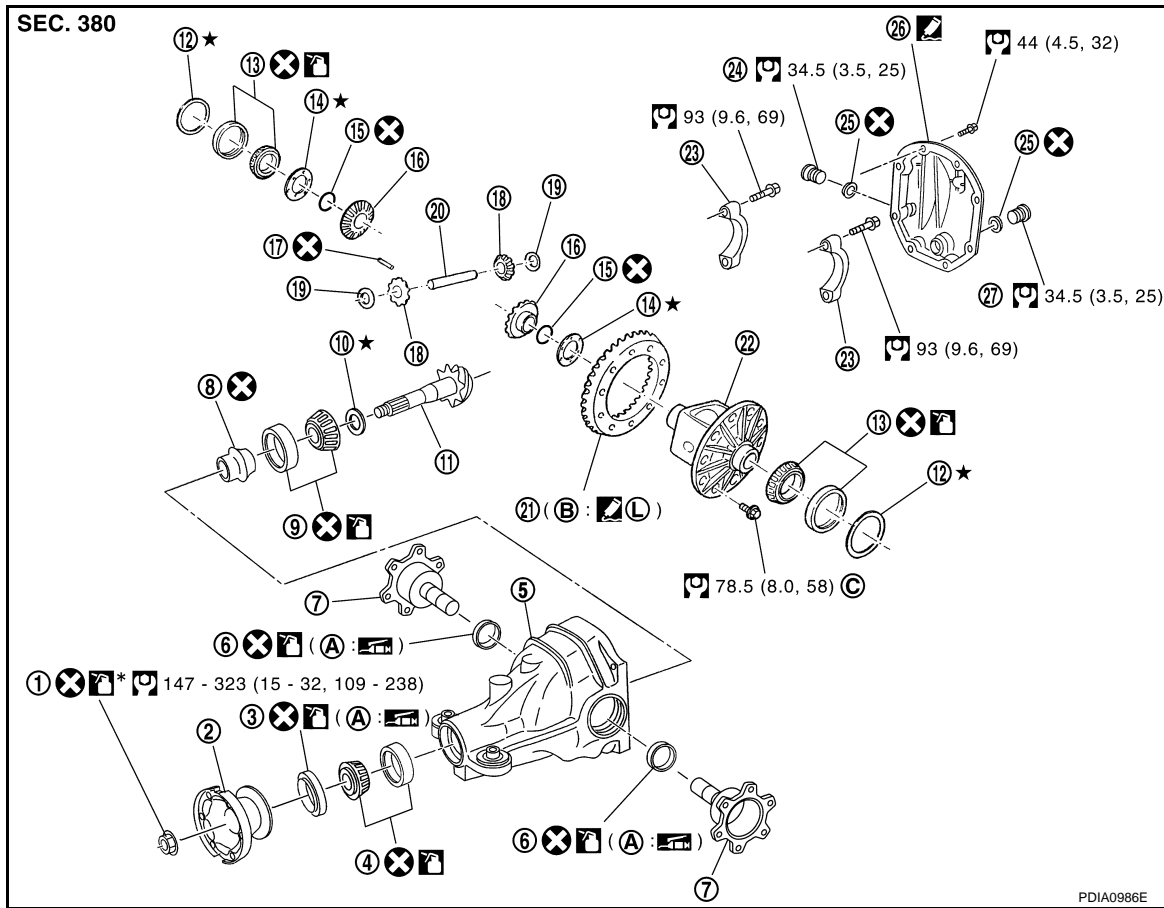


REAR FINAL DRIVE ASSEMBLY

< SERVICE INFORMATION >



- | | | |
|------------------------------------|-----------------------------|-----------------------------------|
| 1. Drive pinion lock nut | 2. Companion flange | 3. Front oil seal |
| 4. Pinion front bearing | 5. Gear carrier | 6. Side oil seal |
| 7. Side flange | 8. Collapsible spacer | 9. Pinion rear bearing |
| 10. Pinion height adjusting washer | 11. Drive pinion | 12. Side bearing adjusting washer |
| 13. Side bearing | 14. Side gear thrust washer | 15. Circular clip |
| 16. Side gear | 17. Lock pin | 18. Pinion mate gear |
| 19. Pinion mate thrust washer | 20. Pinion mate shaft | 21. Drive gear |
| 22. Differential case | 23. Bearing cap | 24. Filler plug |
| 25. Gasket | 26. Rear cover | 27. Drain plug |

A: Oil seal lip

B: Screw hole

C: After tightening the bolts to the specified torque, tighten the bolts additionally by turning the bolts 31 to 36 degrees.

Refer to [GI-8, "Component"](#) and the followings for the symbols in the figure.

Apply multi-purpose grease.

Apply gear oil.

Apply anti-corrosion oil.

Apply Genuine Silicone RTV or equivalent. Refer to [GI-44, "Recommended Chemical Product and Sealant"](#).

Apply Genuine High Strength Thread Locking Sealant or equivalent. Refer to [GI-44, "Recommended Chemical Product and Sealant"](#).

ASSEMBLY INSPECTION AND ADJUSTMENT

- Before inspection and adjustment, drain gear oil.

Total Preload Torque

1. Secure final drive assembly onto an attachment.

REAR FINAL DRIVE ASSEMBLY

< SERVICE INFORMATION >

Tool number **A: KV38100800 (J-25604-01)**

2. Remove side flanges.
3. Rotate drive pinion back and forth 2 to 3 times to check for unusual noise and rotation malfunction.
4. Rotate drive pinion at least 20 times to check for smooth operation of the bearing.
5. Measure total preload with the preload gauge.

Tool number **A: ST3127S000 (J-25765-A)**

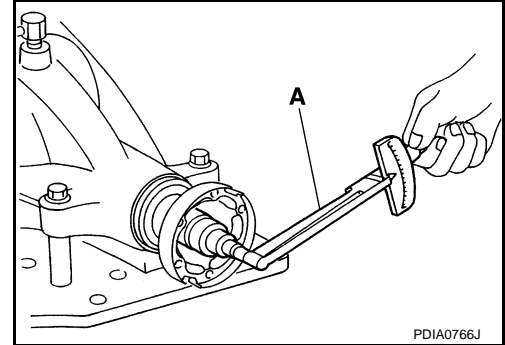
Total preload torque:

2.85 - 3.75 N·m (0.29 - 0.38 kg-m, 26 - 33 in-lb)

NOTE:

Total preload torque = Pinion bearing preload torque + Side bearing preload torque

- If measured value is out of the specification, disassemble it to check and adjust each part. Adjust the pinion bearing preload and side bearing preload.
Adjust the pinion bearing preload first, then adjust the side bearing preload.



When the preload torque is large

On pinion bearings: **Replace the collapsible spacer.**

On side bearings: **Use thinner side bearing adjusting washers by the same amount to each side. Refer to [RFD-38, "Inspection and Adjustment"](#).**

When the preload is small

On pinion bearings: **Tighten the drive pinion lock nut.**

On side bearings: **Use thicker side bearing adjusting washers by the same amount to each side. Refer to [RFD-38, "Inspection and Adjustment"](#).**

Drive Gear Runout

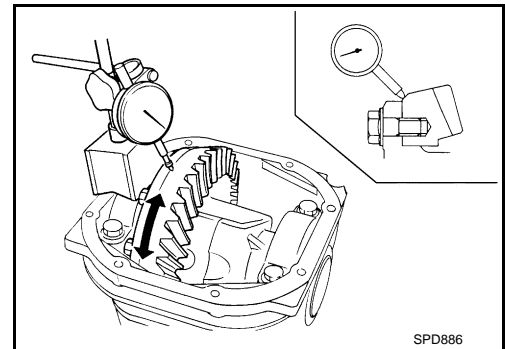
1. Remove rear cover. Refer to "Differential Assembly".
2. Fit a dial indicator to the drive gear back face.
3. Rotate the drive gear to measure runout.

Runout limit: **0.05 mm (0.0020 in)**

- If the runout is outside of the repair limit, check drive gear assembly condition; foreign material may be caught between drive gear and differential case, or differential case or drive gear may be deformed, etc.

CAUTION:

Replace drive gear and drive pinion gear as a set.



Tooth Contact

1. Remove rear cover. Refer to "Differential Assembly".