

ⒶⒷⒹⒺ

1. TIGHTEN PINION NUT TO 800 FT-LBS, SPOT PINION WITH 13/64 DRILL. SECURE NUT WITH TWO 5/16-24 X 1/2 FULL DOG SET SCREWS.

2. PINION BEARINGS TO HAVE 100-110 IN-LBS OF DRAG AFTER SET UP. ⒶⒸⒹⒺ

3. APPLY ANTISEASE ON THREADS OF SPOOL BEARING NUTS. SET BACKLASH BETWEEN 0.013 AND 0.018. AFTER BACKLASH IS SET UP AND SPOOL NUTS ARE TIGHTENED IT TAKES 115-125 IN-LBS OF DRAG TO ROTATE PINION. ⒶⒸⒹⒺ

4. TORQUE MAIN CAP NUTS TO 120 FT-LBS.

5. APPLY WHITE LITHIUM GREASE ON ALL SPLINES.

6. WHEN INSTALLING AXLE NUTS MAKE SURE AXLE PROTRUDES EVENLY FROM BOTH HUBS. TIGHTEN AXLE NUTS WITH LOW TORQUE IMPACT WRENCH. MAKE SURE THERE IS NO PLAY IN AXLE BEARINGS. YOU SHOULD BE ABLE TO FEEL GEAR BACKLASH. THERE SHOULD BE 140-150 IN-LBS OF DRAG ON PINION WHEN REAR END IS COMPLETELY SET UP. ⒶⒸⒹⒺ

7. TORQUE COVER BOLTS TO 20 FT-LBS.

8. BACKLASH 0.013-0.018

REVISIONS

Ⓐ 40-45 IN-LBS. WAS 75-85 IN-LBS, 55-60 IN-LBS WAS 95 IN-LBS, 80-85 IN-LBS. WAS 125-130 IN-LBS 400 FT-LBS WAS 1000 FT-LBS JSC 2/25/09

Ⓑ 250 FT-LBS WAS 400 FT-LBS JSC 9/9/09

Ⓒ 55-60 IN-LBS WAS 40-45 IN-LBS, 70-75 IN-LBS WAS 55-60 IN-LBS, 95-100 IN-LBS. WAS 80-85 JSC 11/4/09

Ⓓ 80-85 IN-LBS WAS 55-60 IN-LBS, 95-100 IN-LBS WAS 70-75 IN-LBS, 120-125 WAS 95-100 IN LBS 1000 FT-LBS. WAS 250 FT-LBS JSC 3/18/10

Ⓔ 100-110 IN-LBS WAS 80-85, 115-125 IN-LBS WAS 95-100 IN-LBS, 140-150 IN-LBS WAS 120-125 IN-LBS, 800 FT-LBS WAS 1000 FT-LBS 5/4/10

THINGS TO WATCH FOR DURING INSPECTIONS:

- GEAR CRACKS.
- SPLINE TWISTING (AXLE, HUBS, SPOOL, ETC.).
- CRACKS ON HUB SPLINES OR EXCESSIVE PLAY.
- HUB BUSHINGS WALKING OUT WHICH CAUSES WHEEL RUNDOUT. (NEEDS TO BE SERVICED BY STRANGE ENGINEERING).
- ANY ALUMINUM CHIPS AND SHAVINGS INSIDE THE HOUSING.

