

# 9" Center Section Guidelines & Torque Specifications

Item #	Part #	Description	Torque Spec.	Notes
1	N1912K	10-24 X 1/2 FHSCS	Hand-tight	Blue Loctite
2	F1282	3/8-24 Nut	35 ft-lbs	none
3	L7010AB	9/16-18 12 Point Nut	80 ft-lbs	Anti-seize
4	N1950C	3/8-24 x 1.25 ARP 12 Pt. Screw	35 ft-lbs	none
5a	N1922A	28 Spline Pinion Nut	200 ft-lbs	Red Loctite
5b	N1922B	35 Spline Pinion Nut	250 ft-lbs	Red Loctite
6	N1912U	7/8-14 Plug	40 ft-lbs	none
7	N1910	Load Bolt Assembly (optional)	see notes below	none
8a	N1975A	7/16-20 ARP 12 Pt. Screw	85 ft-lbs	Red Loctite
8b	N1976A	1/2-20 ARP 12 Pt. Screw	120 ft-lbs	Red Loctite
9a	N1905B	5/16-18 x 0.375 BHSCS	10 ft-lbs	none
9b	N1902D	5/16-18 x 0.625 BHSCS	10 ft-lbs	none
10	N2300E	7/16-14 x 1.50 ARP 12 Pt. Screw	50 ft-lbs	Anti-seize
11a	N1965	7/16-20 x 7/8" HHCS	85 ft-lbs	Red Loctite
11b	N1964	1/2-20 x 7/8" HHCS	105 ft-lbs	Red Loctite
11c	N1967	7/16-20 x 1" HHCS	70 ft-lbs	Red Loctite
11d	N1968	7/16-20 x 1-1/4" HHCS	70 ft-lbs	Red Loctite
12	B1757B	3/8-16 x 1.25" HHCS	35 ft-lbs	none
13	L4000J	3/8 NPT Socket Pipe Plug	40 ft-lbs	Thread Sealer
14	H1122D	1/2-20 x 3" SHCS	80 ft-lbs	Anti-seize
15	B1320R	3/8-16 x 1.50" HHCS	35 ft-lbs	none
16	N1908E	1/2 NPT Socket Pipe Plug	40 ft-lbs	Thread Sealer

### **Gear Oil Type & Amount**

- SAE 85W-140 gear oil is recommended
- 9" cases require 2.5 quarts of gear oil

# **Break-in Procedure for Street Gears**

- 1. No harsh acceleration!
- 2. Drive vehicle 50 miles
- 3. Allow 1/2 hour for cool down
- 4. Repeat for total of 250 miles
- 5. At 500 miles remove the center section, fully clean, use a fresh gasket & reinstall

# **Load Bolt Set-up & Adjustment**

- 1. Tighten load bolt while turning assembly by hand until drag is felt.
- 2. Loosen load bolt approx. .001" from contacting the ring gear.
- 3. Rotate assembly again. If drag is felt, loosen load bolt an additional 0.001". If no drag is felt, hold load bolt in place and tighten the jam nut
- 4. Load bolt may need readjustment after every 4-8 passes depending on frequency of runs.

#### **Differential Friction Modifier**

- Required for clutch-type limited slip differentials
- One entire bottle (3.8 fl. oz.) is required in addition to the 2.5 quarts of gear oil.
- Ford Racing brand additive part # CM-19546-A1 is recommended.
- Additive is required even if gear oil manufacturer states oil is compatible with limited slip differentials.

# **Storage of Center Sections**

Differential bearings, pinion bearings, and ring and pinion should be liberally oiled with gear oil and then sealed from the atmosphere in a plastic bag.

# Tail Bearing Retainer Plate (shown below)

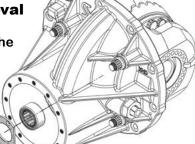
Only Ultra & PRO HD Cases

## **Center Section Removal**

Use provided jackscrews

 (18) to aid in remvoal of the center from the rear end.
 (only Ultra & Pro HD)

 Do not leave the jackscrew installed during operation



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