



Rebuild Specification for Jeep® JL Dana 30™ Front Axles



Diff Specifications - M186 Front USA	Metric	Dana Part #
Ring Gear Bolt (DRY / NO OIL)..... 70 – 90 ft-lbs	95 – 122 Nm	41221*
Bearing Cap Bolt..... 70 – 90 ft-lbs	95 – 122 Nm	48631-1
Pinion Nut..... 160 ft-lbs	217 Nm MIN	44189
Ring Gear Backlash..... 0.005" – 0.008"	.127 – .203 mm	
Diff Cover Bolt..... 28 – 33 ft-lbs	38 – 45 Nm	10050881
Diff Cover Plug..... 15 – 25 ft-lbs	20 – 34 Nm	2019554-1
Lubricant Type SAE 75W-140 Gear Lubricant		
Lubricant Capacity 0.90 qts	0.86 L	
Axle Nut..... 90 – 110 ft-lbs	122 – 149 Nm	2008564
Hub Assembly Bolts..... 67 – 74 ft-lbs	90 – 100 Nm	

* Ring Gear Bolts - 10 pk., 10040448

** Carrier Cover Bolts - 12 pk., 10062575

Drive Pinion and Total Torque to Rotate

Drive Pinion Torque to Rotate (PTR) 8.2 – 25.7 in-lbs 0.92 – 2.90 Nm

Total Torque to Rotate (PTTR):

Gear Ratio	USA (in-lbs)	Metric (Nm)	Dana Part #
3.45	PTR + 3.2 / 7.6	PTR + 0.36 / 0.86	10006253
4.10	PTR + 2.7 / 7.2	PTR + 0.31 / 0.81	2005027-5*
4.56	PTR + 2.4 / 6.8	PTR + 0.27 / 0.77	10026645
4.88	PTR + 2.1 / 6.5	PTR + 0.24 / 0.74	10026639
5.13	PTR + 1.9 - 6.4	PTR + 0.22 - 0.72	10026642

Install Kit Part # 10040451 Master Kit Part # 10040452

* Includes Ring Gear Bolts & Pinion Nut