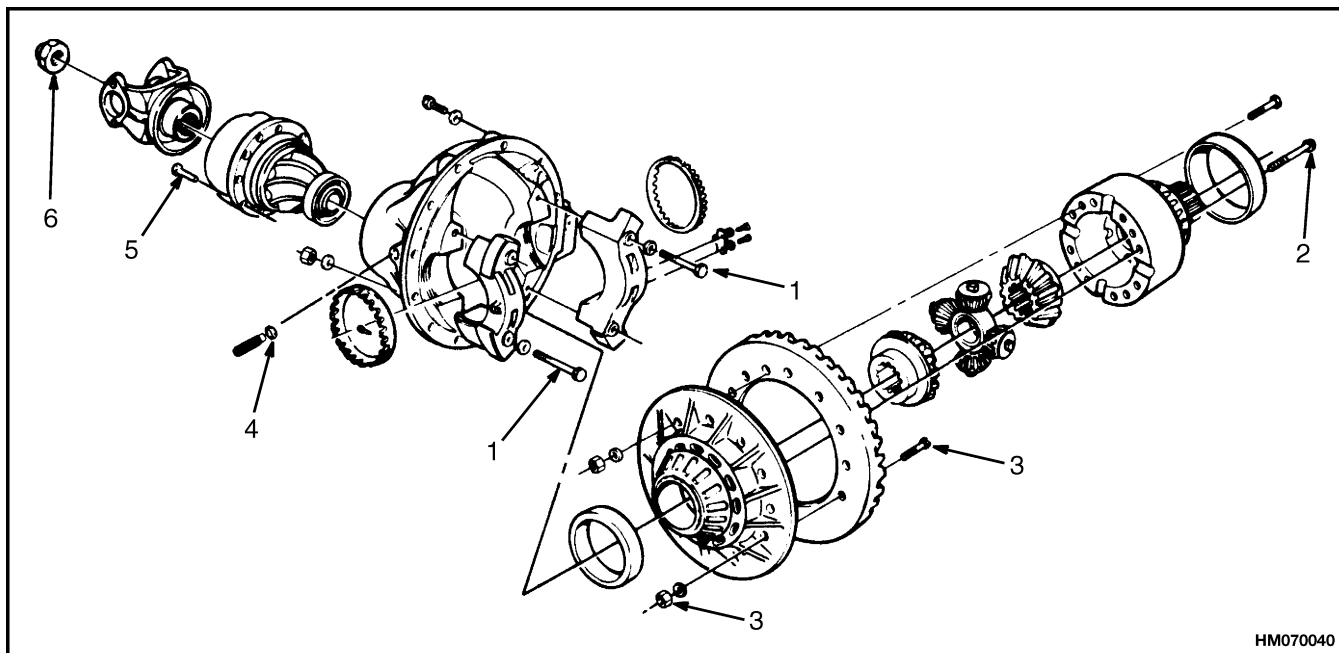


Table 6. Pinion Preload Pressure

Pressure for Correct Preload			Torque Value for Correct Bearing Preload	
Pinion Nut Thread Size	Kg/Metric Tons	Pounds/Tons	N•m	lb-ft
7/8" - 20	9979/10	22,000/11	271 to 373	200 to 275
1" - 20	13608/13.6	30,000/15	407 to 542	300 to 400
1-1/4" - 12	24494/24.5	54,000/27	949 to 1220	700 to 900
1-1/4" - 18	24494/24.5	54,000/27	949 to 1220	700 to 900
1-1/2" - 12	24494/24.5	54,000/27	1085 to 1491	800 to 1100
1-1/2" - 18	24494/24.5	54,000/27	1085 to 1491	800 to 1100
1-3/4" - 12	22680/22.7	50,000/25	1220 to 1627	900 to 1200
2" - 12	22680/22.7	50,000/25	1627 to 2034	1200 to 1500

NOTE: Numbered callouts in Figure 55 correspond to item numbers in Table 7.



NOTE: SEE TABLE 7 FOR TORQUE VALUES.

Figure 55. Fasteners Location (Typical Differential Assembly)

Table 7. Torque Specifications

Item No.	Location	Size	N•m*	lbf ft*
1	Bearing Cap Capscrews	9/16" - 12	156 to 190	115 to 140
		5/8" - 11	217 to 258	160 to 190
		3/4" - 10	393 to 475	290 to 350
		7/8" - 14	504 to 590	372 to 435
		7/8" - 9	637 to 746	470 to 550
2	Differential Case Capscrews**	3/8" - 16	41 to 68	30 to 50
		7/16" - 14	81 to 102	60 to 75
		1/2" - 13	122 to 163	90 to 120
		1/2" - 20	142 to 183	105 to 135
		5/8" - 11	251 to 319	185 to 235
		5/8" - 18	285 to 366	210 to 270
3	Ring Gear to Case Capscrews	1/2" - 13	122 to 163	90 to 120
		5/8" - 11	203 to 258	150 to 190
		5/8" - 18	258 to 285	190 to 210
4	Thrust Screw Jam Nut	3/4" - 16	197 to 258	145 to 190
		7/8" - 14	197 to 258	145 to 190
5	Pinion Carrier to Housing Capscrews	3/8" - 16	41 to 54	30 to 40
		7/16" - 14	68 to 88	50 to 65
		1/2" - 13	108 to 142	80 to 105
		5/8" - 11	176 to 230	130 to 170
6	Pinion Nut	7/8" - 20	271 to 373	200 to 275
		1" - 20	407 to 542	300 to 400
		1-1/4" - 12	949 to 1220	700 to 900
		1-1/4" - 18	949 to 1220	700 to 900
		1-1/2" - 12	1085 to 1492	800 to 1100
		1-1/2" - 18	1085 to 1492	800 to 1100
		1-3/4" - 12	1220 to 1627	900 to 1200
		2" - 12	1627 to 2034	1200 to 1500
See Figure 55 for Item Nos.				
*Torque values are for threads lubricated with machine oil unless Loctite is used.				
**Use Loctite No. 272 on the capscrews.				