



1. SCREW
2. AIR VALVE CAP
3. BOLT
4. AIR VALVE
5. CYLINDER
6. BOLT
7. BRAKE LINE HOSE
8. BOLT, WASHER, NUT & COTTER PIN
9. OLEO ASSEMBLY
10. TORQUE LINK ASSEMBLY
11. TORQUE LINK ASSEMBLY
12. STUB AXLE

Figure 7-7. Main Gear Installation

Bolts - Steel		Bolts - Aluminum	
AN 3 thru AN 20 AN 42 thru AN 49 AN 525 MS 20033 thru MS 20046 MS 20073 MS 20074 MS 24694 MS 27039	MS 20004 NAS 333 thru NAS 340 NAS 464 NAS 624 thru NAS 644 NAS 1580 NAS 6203 thru NAS 6220 NAS 6603 thru NAS 6620 NAS 6703 thru NAS 6720	AN 3DD Series	

Nuts - Steel				Nuts - Aluminum			
Tension		Shear		Tension		Shear	
AN 310 AN 315 MS 20365 MS 21042 MS 21044 MS 21045 NAS 679	AN 320 MS 20364 MS 21083 MS 21245	AN 310 AN 315 MS 20365 MS 21042 MS 21044 MS 21045 NAS 679	AN 320 MS 20364 MS 21083 MS 21245	AN 310D AN 315D	AN 320D		

FINE THREAD SERIES - ADD FRICTION DRAG												
Nut-Bolt Size	Torque Limits In.-Lbs.		Torque Limits In.-Lbs.		Torque Limits In.-Lbs.		Torque Limits In.-Lbs.		Torque Limits In.-Lbs.		Torque Limits In.-Lbs.	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
8-36	12	15	7	9					5	10	3	6
10-32	20	25	12	15	25	30	15	20	10	15	5	10
1/4-28	50	70	30	40	80	100	50	60	30	45	15	30
5/16-24	100	140	60	85	120	145	70	90	40	65	25	40
3/8-24	160	190	95	110	200	250	120	150	75	110	45	70
7/16-20	450	500	270	300	520	630	300	400	180	280	110	170
1/2-20	480	690	290	410	770	950	450	550	280	410	160	260
9/16-18	800	1,000	480	600	1,100	1,300	650	800	380	580	230	360
5/8-18	1,100	1,300	660	780	1,250	1,550	750	950	550	670	270	420
3/4-16	2,300	2,500	1,300	1,500	2,650	3,200	1,600	1,900	950	1,250	560	880
7/8-14	2,500	3,000	1,500	1,800	3,550	4,350	2,100	2,690	1,250	1,900	750	1,200
1-14	3,700	4,500	2,200	3,300	4,500	5,500	2,700	3,300	1,600	2,400	950	1,500
1-1/8-12	5,000	7,000	3,000	4,200	6,000	7,300	3,600	4,400	2,100	3,200	1,250	2,000
1-1/4-12	9,000	11,000	5,400	6,600	11,000	13,400	6,600	8,000	3,900	5,600	2,300	3,650

COARSE THREAD SERIES - ADD FRICTION DRAG										
Nut-Bolt Size	Torque Limits In.-Lbs.		Torque Limits In.-Lbs.							
	Min.	Max.	Min.	Max.						
8-32	12	15	7	9	<p>NOTE: Unless otherwise specified, torque size No. 6 screws used with self-locking nutplates to no greater than 4 to 5 in.-lbs.</p> <p>Use an appropriately calibrated driver.</p>					
10-24	20	25	12	15						
1/4-20	40	50	25	30						
5/16-18	80	90	48	55						
3/8-16	160	185	95	110						
7/16-14	235	255	140	155						
1/2-13	400	480	240	290						
9/16-12	500	700	300	420						
5/8-11	700	900	420	540						
3/4-10	1,150	1,600	700	950						
7/8-9	2,200	3,000	1,300	1,800						
1-8	3,700	5,000	2,200	3,000						
1-1/8-8	5,500	6,500	3,300	4,000						
1-1/4-8	6,500	8,000	4,000	5,000						