

CHECK LOADER FRAME HARDWARE

Make sure all capscrews are tightened to their specified torque after first 10 hours of operation and every 50 hours thereafter. See "Hardware Tightening Chart" below.

Hardware Tightening Chart

Always replace bolts with the same grade or class.

Tighten all bolts according to the following charts unless otherwise specified.

Tighten all Loader capscrews and mounting bracket hardware per the chart below unless a torque value is specified in an assembly procedure.

Torque values below are for clean, dry threads. Lubricated threads may cause over-tightening. Damaged or dirty threads may cause under-tightening.

A torque multiplier may be needed to tighten capscrews that have a high torque value.

Hardware torque should be checked immediately after installation and several times following short periods of use. Improperly tightened hardware may cause structural damage to loader and/or tractor.

Standard Bolt Torque Chart

Bolt Size	Grade 2		Grade 5		Grade 8	
	Nm	Lbf ft	Nm	Lbf ft	Nm	Lbf ft
5/16-18	15	11	24	17	33	25
3/8-16	27	20	42	31	59	44
7/16-14	43	32	67	49	95	70
1/2-13	66	49	105	76	145	105
9/16-12	95	70	150	110	210	155
5/8-11	130	97	205	150	285	210
3/4-10	235	170	360	265	510	375
7/8-9	225	165	585	430	820	605
1-8	340	250	875	645	1230	910

Standard Bolt Identification



Grade 2
No Marks



Grade 5
3 Marks



Grade 8
6 Marks

Metric Bolt Torque Chart

Bolt Size	Class 5.8		Class 8.8		Class 10.9	
	Nm	Lbf ft	Nm	Lbf ft	Nm	Lbf ft
M 5 x 0.8	4	3	6	5	9	7
M 6 x 1	7	5	11	8	15	11
M 8 x 1.25	17	12	26	19	36	27
M 10 x 1.5	33	24	52	39	72	53
M 12 x 1.75	58	42	91	67	125	93
M 14 x 2	92	68	145	105	200	150
M 16 x 2	145	105	225	165	315	230
M 18 x 2.5	195	145	310	230	405	300
M 20 x 2.5	280	205	440	325	610	450
M 24 x 3	480	355	760	560	1050	780

Identify metric bolts by the class number stamped on the bolt head or nut. Higher numbers indicate higher strength.