

General Information

Drive Shields

FIG. 9: To open the top left-hand drive shield (1), pull the rubber latch (2) out of the catch. Raise the left-hand drive shield all the way.

NOTE: Make sure the end shield (3) is down before opening the drive shield.

To open the bottom left-hand drive shield (4), open the top left-hand drive shield. Pull the rubber latch (5) out of the catch. Raise the bottom left-hand drive shield all the way.

To close a drive shield, put the drive shield in the closed position. Install the rubber latch in the catch.

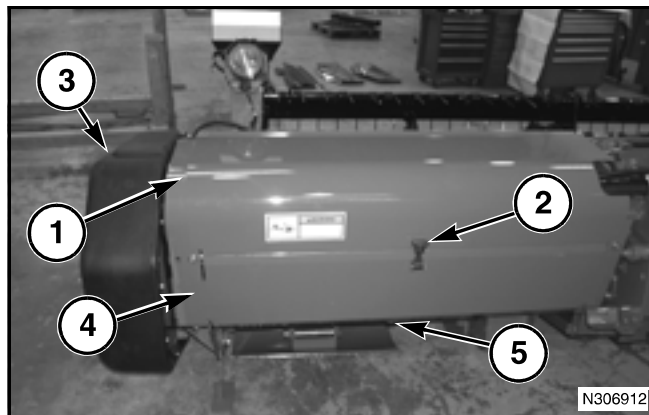


FIG. 9

FIG. 10: To open the top right-hand drive shield (1), pull the rubber latch (2) out of the catch. Lower the right-hand drive shield all the way.

NOTE: Make sure the end shield (3) is down before opening the drive shield.

To open the bottom left-hand drive shield (4), open the top left-hand drive shield. Pull the rubber latch (5) out of the catch. Raise the bottom left-hand drive shield all the way.

To close a drive shield, put the drive shield in the closed position. Install the rubber latch in the catch.

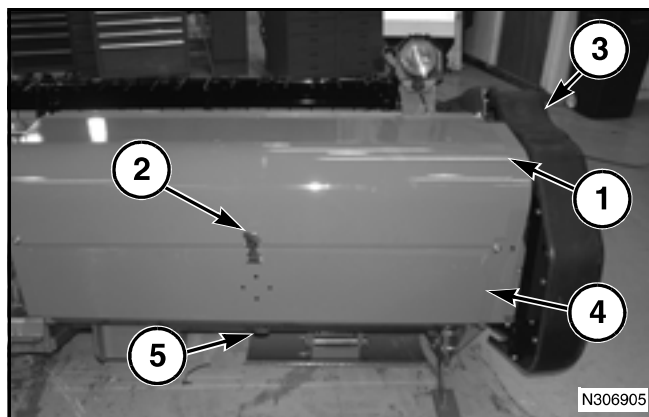


FIG. 10




BOLT TORQUE VALUES

All bolts used on this machine are Grade 5 plated bolts unless specified as a higher grade. Always replace bolts with Grade 5 hardware except where higher grades are specified. All Grade 5 bolts have three radial marks on the bolt head.

Tighten all hardware according to the following charts unless specified differently in the manual. Do not over tighten bolts as this can cause a bolt to fail during operation.

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.