





FERTILIZER APPLICATION EQUIPMENT

F1210 Fertilizer Spreader

Parts Book (Originating w/Serial Number 90-173)

Model Number: _______
Serial Number: ______
Date of Purchase:



210392 Rev. A 02.19.24



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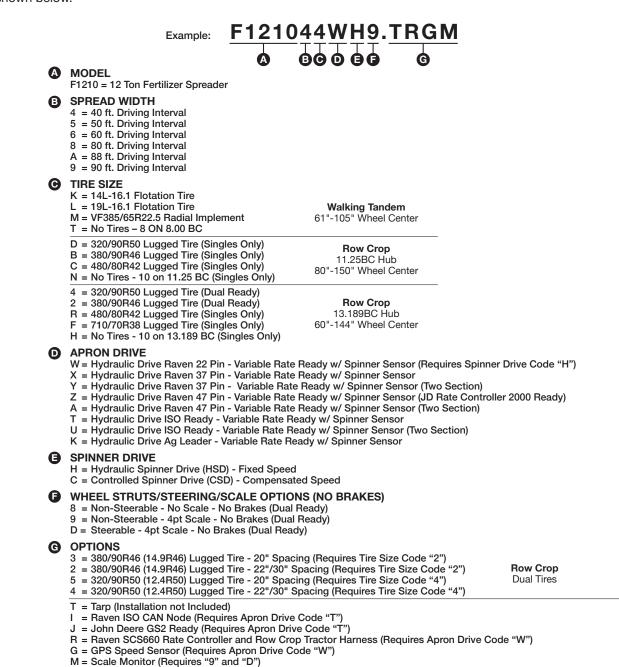
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Ordering Code

F1210 Spreader (Example)

L = Ladder

The ordering code will consist of a letter with four numbers (*Model*), one number or letter (*Spread Width*), one letter or number (*Tire Size*), one letter (*Apron Drive*), one letter (*Spinner Drive*), one number or letter (*Strut, Steering, Scale Options*), and one or more letters or numbers (*Machine Options*). An example of a fertilizer spreader ordering code is shown below.





Owner Information

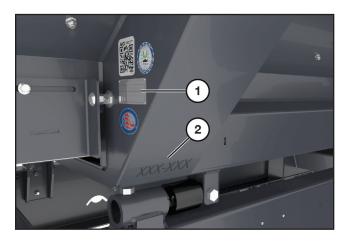
NOTE: This parts book provides detailed parts lists and drawings for the Loftness F1210 Fertilizer Spreader. Use this parts book when ordering replacement parts and as a reference for machine architecture, and assembly.

For information on safety, setup, operation, and maintenance instructions for your spreader, refer to the Owner's Manual that is also shipped with your machine.

Make sure that all personnel have read the owner's manual for this machine and thoroughly understand safe and correct operating, installation, and maintenance procedures.

Continuous improvement and advancement of Loftness products may result in changes to your equipment that may not be reflected in this publication. Loftness reserves the right to make product improvements to the machine at any time. Although great care has been taken to ensure the accuracy of this publication, Loftness does not assume any liability for errors or omissions.

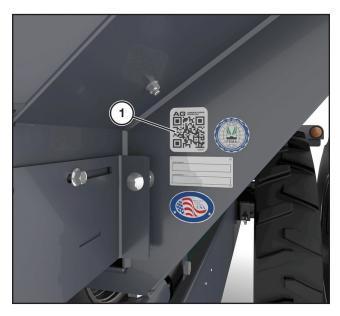
Serial Number Location



The machine serial number is shown in the tag (1) located at the front of the hopper, left side; and is also stamped into the hopper frame (2) near the tag.

IMPORTANT: Always use your model and serial number when requesting information or when ordering parts.

Owner's Manual and Parts Book Access



To access a digital parts book and/or owner's manual, use a smart phone to scan the QR Code (1) located just above the serial number tag on the front of the hopper. This code will provide a link to machine documentation on the Loftness website.

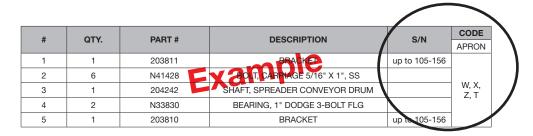




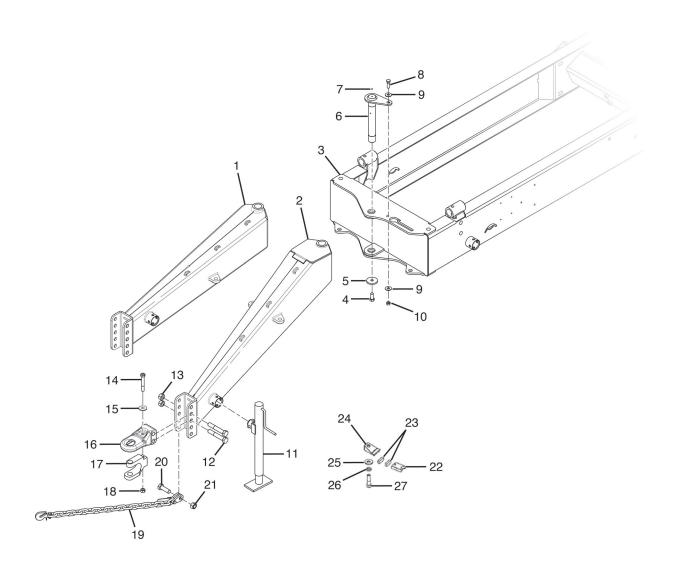
PARTS IDENTIFICATION

NOTE: To assist with identifying a correct part or assembly for your spreader, the far right column on the parts lists in this book will include a product code from any specific product group where applicable. In some parts lists, a column labeled "S/N" (serial number) may also be added to indicate the serial number range of a part or assembly when design changes have occurred. See example of both below.

Any code field that is blank will indicate that a particular part or assembly is common or standard to all F1210 Spreader models.



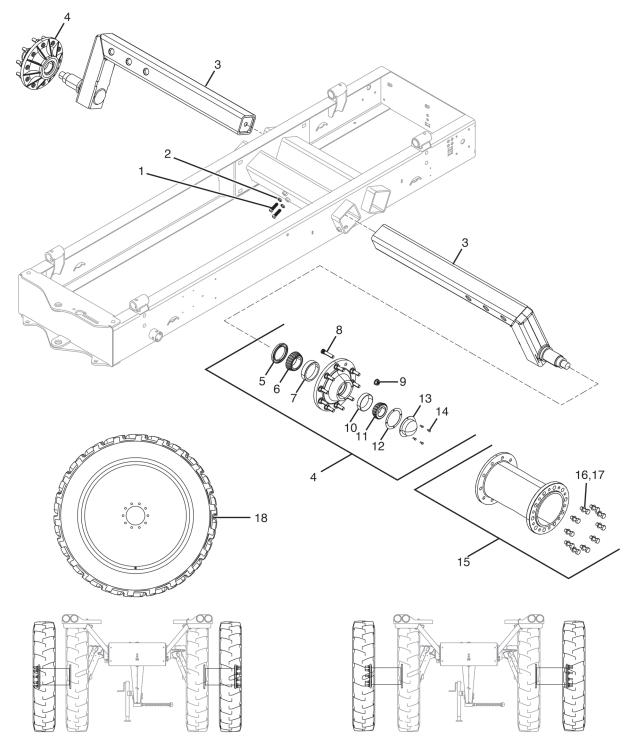
Chassis; Hitch Options



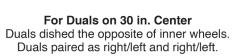
Chassis; Hitch Options

#	QTY.	PART #	DESCRIPTION	CODE TIRE
1	1	203903	HITCH WELDMENT-LOW DROP	K, L, M, T
2	1	203905	HITCH WELDMENT-HIGH DROP	D, B, C, N, 4, 2, R, F, H
3	1	210259	FRAME, 12 TON	
4	1	N16753	BOLT, 3/4" X 1-3/4" FN THD GR 8	
5	1	204191	WASHER, 3" OD X .75" ID X .375" THK	
6	1	203901	PIN-FLAG,2"X14.125"	
7	1	4105	GREASE-ZERK, 1/4" SCREW-IN	
8	1	4042	BOLT, 5/8" X 2"FINE THRD.GR.8	1
9	2	4069	WASHER, FLAT 5/8"	1
10	1	4057	NUT, 5/8" FINE THREAD TOP LOCK	1
11	1	N84670	JACK, BULLDOG SWL 5K	1
12	2	N28583	BOLT, 1 X 6" FN TH GR 8	
13	3	N16700	NUT,1"-14GR.8FINE THREADTOPLOCK	
14	1	4577	BOLT, 3/4" X 5" FN TH GR 8	
15	1	N35327	WASHER, FLAT 3/4" SAE	1
	1	206230	BASE, CAT-3 HITCH	1
16	1	N37474	BASE, CAT-2 HITCH	1
	1	206220	BASE, CAT-4 HITCH	1
17	1	N37463	CLEVIS, CAT 2 BOLT-ON HITCH	1
18	1	N16352	NUT, LOCK 3/4" GRADE 8 FINE	1
19	1	206244	CHAIN, SAFETY 1/2" X 50" 41,000 LB	1
20	1	N16499	BOLT,1"X3"FINE THREAD GRADE 8	
21	3	N16700	NUT,1"-14GR.8FINE THREADTOPLOCK	
22	1	N37475	BLOCK, CAT 2 BOLT - ON REC V	
23	2	N37477	CUSHION, CAT 2 BOLT - ON REC	1
24	1	N37476	PLATE, CAT 2 BOLT - ON REC TOP	1
25	1	4071	WASHER, 3/4" FLAT	1
26	1	4287	WASHER 3/4" LOCK	1
27	1	4352	BOLT, 3/4" X 3" GR 5	1

Axles, Row Crop - 60" to 132"; 10 on 13.189" Bolt Center (Tire Codes - 2, 4, R, F, H)



For Duals on 20 and 22 in. Center Duals dished the same as inner wheels. Duals paired as left/left and right/right.

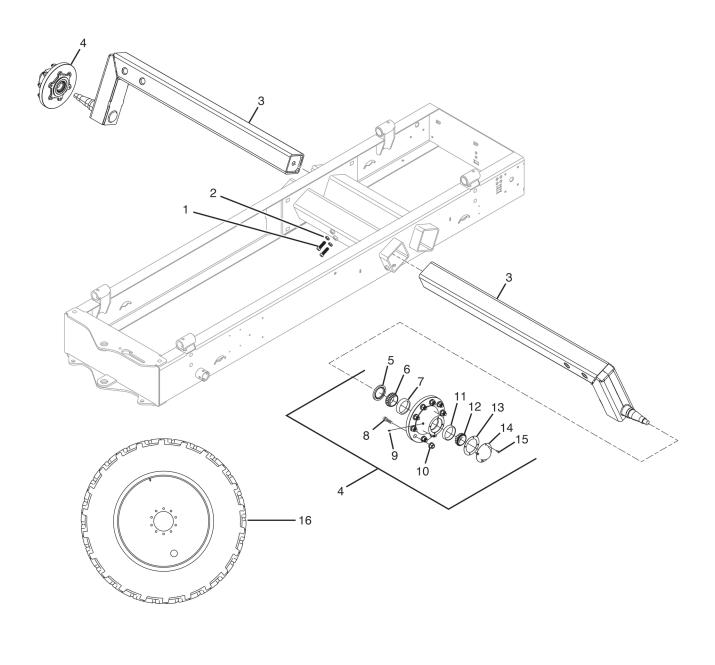


Axles, Row Crop - 60" to 132"; 10 on 13.189" Bolt Center

(Tire Codes - 2, 4, R, F, H)

1 12 N155856 SCREW, SQ HD SET 3/4IN X 2-1/2IN 2 12 4954 NUT, 3/4" JAM 3 2 210026 AXLE WLDMT, 60IN TO 132IN 4 2 204393 HUB, 10 BOLT 13.19"BC 25,000LB 5 1 204392 SEAL, 4.375 ID 6 1 203698 CONE, INNER BEARING X33118XT-T2 7 1 203700 CUP, INNER Y33118-T2 8 10 204538 STUD, M22X1.5X101.6 9 10 204539 NUT, M22X1.5 FLANGE	#	QTY.	PART #	DESCRIPTION	CODE
2 12 4954 NUT, 3/4" JAM 3 2 210026 AXLE WLDMT, 60IN TO 132IN 4 2 204393 HUB, 10 BOLT 13.19"BC 25,000LB 5 1 204392 SEAL, 4.375 ID 6 1 203698 CONE, INNER BEARING X33118XT-T2 7 1 203700 CUP, INNER Y33118-T2 8 10 204538 STUD, M22X1.5X101.6 9 10 204539 NUT, M22X1.5X101.6 9 10 1 203701 CUP, OUTER Y33215-T2 11 1 203699 CONE, OUTER BEARING X33215XT-T2 12 1 203705 GASKET, 881 HUB 13 1 203706 CAP, 881 HUB 14 4 4412 BOLT, 5/16" X 3/4" GRADE 5 2 204677 EXTENSION ASM-20" HUB (Includes attaching hardware) 15 2 204676 EXTENSION ASM-22"/30" HUB (Includes attaching hardware) 16 10 204678 WASHER, FLAT M22 10.9 17 10 204679 BOLT, M22X2.5X60MM 10.9 18 1 204590 WHEEL, 320/90R50 LEFT 1 204591 WHEEL, 320/90R50 RIGHT 1 204351 WHEEL, 380/90R46 LEFT 1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 LEFT	π	Q11.	FANI#	DESCRIPTION	TIRE
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4	2	12	4954	NUT, 3/4" JAM	
5 1 204392 SEAL, 4.375 ID 6 1 203698 CONE, INNER BEARING X33118XT-T2 7 1 203700 CUP, INNER Y33118-T2 8 10 204538 STUD, M22X1.5X101.6 9 10 204539 NUT, M22X1.5 FLANGE 10 1 203701 CUP, OUTER Y33215-T2 11 1 203699 CONE, OUTER BEARING X33215XT-T2 12 1 203705 GASKET, 881 HUB 13 1 203706 CAP, 881 HUB 14 4 4412 BOLT, 5/16" X 3/4" GRADE 5 2 204677 EXTENSION ASM-20" HUB (Includes attaching hardware) 15 2 204676 EXTENSION ASM-22"/30" HUB (Includes attaching hardware) 16 10 204678 WASHER, FLAT M22 10.9 17 10 204679 BOLT, M22X2.5X60MM 10.9 1 204590 WHEEL, 320/90R50 LEFT 1 204591 WHEEL, 380/90R46 RIGHT 1 204350 WHEEL, 380/90R46 RIGHT <	3	2	210026	AXLE WLDMT, 60IN TO 132IN	
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12	10	1	203701	CUP, OUTER Y33215-T2	F, H
13 1 203706 CAP, 881 HUB 14 4 4412 BOLT, 5/16" X 3/4" GRADE 5 2 204677 EXTENSION ASM-20" HUB (Includes attaching hardware) 2 204676 EXTENSION ASM-22"/30" HUB (Includes attaching hardware) 16 10 204678 WASHER, FLAT M22 10.9 17 10 204679 BOLT, M22X2.5X60MM 10.9 1 204590 WHEEL, 320/90R50 LEFT 1 204591 WHEEL, 320/90R50 RIGHT 1 204350 WHEEL, 380/90R46 LEFT 1 204351 WHEEL, 380/90R46 RIGHT 1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 RIGHT	11	1	203699	CONE, OUTER BEARING X33215XT-T2	
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1 204350 WHEEL, 380/90R46 LEFT 1 204351 WHEEL, 380/90R46 RIGHT 1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 RIGHT		1	204590	WHEEL, 320/90R50 LEFT	4
1 204351 WHEEL, 380/90R46 RIGHT 1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 RIGHT		1	204591	WHEEL, 320/90R50 RIGHT	4
1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 RIGHT		1	204350	WHEEL, 380/90R46 LEFT	
1 204741 WHEEL, 480/80R42 LEFT 1 204740 WHEEL, 480/80R42 RIGHT	40	1	204351	WHEEL, 380/90R46 RIGHT	2
	18	1	204741	WHEEL, 480/80R42 LEFT	_
1 204611 WHEEL, 710/70R38 LEFT		1	204740	WHEEL, 480/80R42 RIGHT	R
		1	204611	WHEEL, 710/70R38 LEFT	
1 204612 WHEEL, 710/70R38 RIGHT		1	204612	WHEEL, 710/70R38 RIGHT	F

Axles, Row Crop - 80" to 150"; 10 on 11.25" Bolt Center (Tire Codes - D, B, C, N)

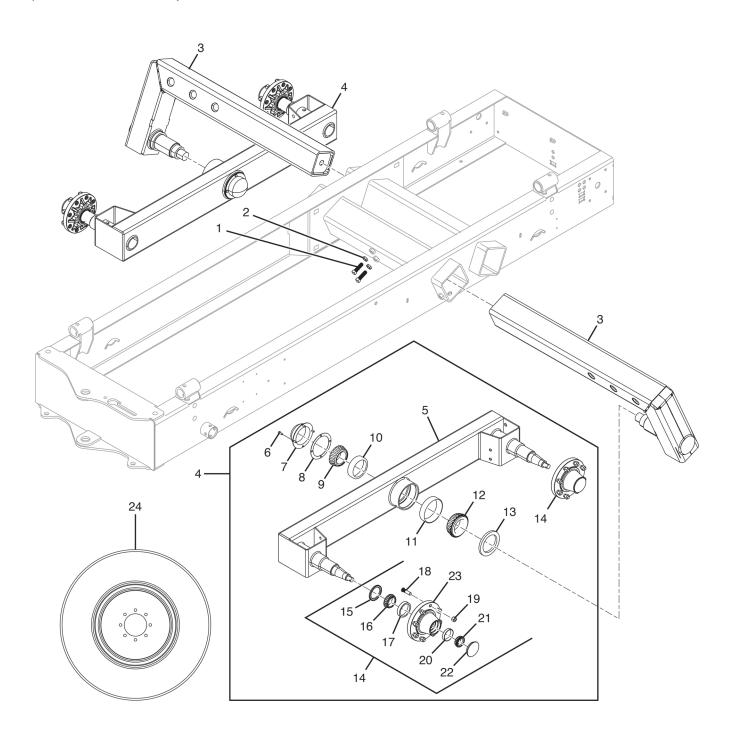


Axles, Row Crop - 80" to 150"; 10 on 11.25" Bolt Center

(Tire Codes - D, B, C, N)

#	QTY.	PART #	DESCRIPTION	CODE
π	QTI.	10111111	DESCRIPTION	TIRE
1	12	N155856	SCREW, SQ HD SET 3/4IN X 2-1/2IN	
2	12	4954	NUT, 3/4" JAM	
3	2	204936	AXLE WLDMT, 80IN TO 150IN	
4	2	N84268	HUB ASM,10 ON 11.25,8.66 PILOT	
5	1	N87661	SEAL, GREASE	
6	1	N87457	BEARING, CONE	
7	1	N87658	CUP, BEARING OUTER	
8	10	N87454	STUD, WHEEL 3/4-16X3.00IN	D, B, C, N
9	1	N25470	GREASE-ZERK, 1/4" SCREW-IN LONG	0,11
10	10	N87456	NUT, WHEEL FLANGE 3/4-16	
11	1	N87660	CUP, BEARING INNER	
12	1	N87455	BEARING, CONE	
13	1	N87662	GASKET, 871 HUB CAP	
14	1	N87644	CAP, 871 HUB	
15	4	4412	BOLT, 5/16" X 3/4" GRADE 5	
	1	N104728	WHEEL ASM, 320/90R50 161 LEFT	
	1	N104727	WHEEL ASM, 320/90R50 161 RIGHT	D
	1	N87289	WHEEL ASM, 380/90R46 LEFT	
16	1	N87291	WHEEL ASM, 380/90R46 RIGHT	В
	1	N152372	WHEEL ASM, 480/80R42 LEFT	
	1	N152371	WHEEL ASM, 480/80R42 RIGHT	С

Axles, Walking Tandem - 8 on 8" Bolt Center (Tire Codes - K, L, M)

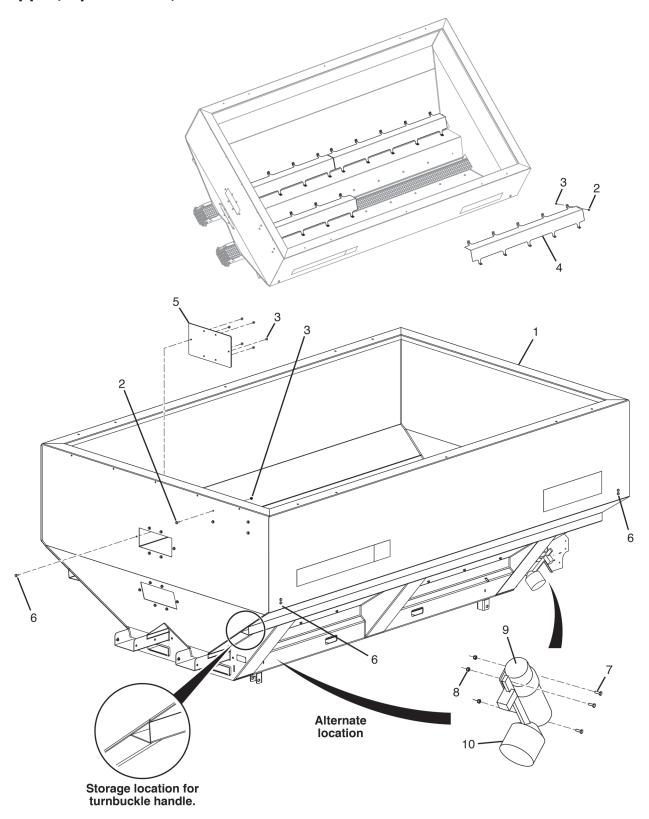


Axles, Walking Tandem - 8 on 8" Bolt Center

(Tire Codes - K, L, M)

#	QTY.	PART #	DESCRIPTION	CODE
π	Q(11.	I AIII #	DESCRIPTION	TIRE
1	12	N155856	SCREW, SQ HD SET 3/4IN X 2-1/2IN	
2	12	4954	NUT, 3/4" JAM	
3	2	203714	AXLE, WLDMT WALKING TANDEM	
4	2	203712	BEAM, WALKING TANDEM	
5	1	203721	WLDMT, WALKING TANDEM BEAM	
6	4	4412	BOLT, 5/16" X 3/4" GRADE 5	
7	1	203706	CAP, 881 HUB	
8	1	203705	GASKET, 881 HUB	
9	1	203699	CONE, OUTER BEARING X33215XT-T2	
10	1	203701	CUP, OUTER Y33215-T2	
11	1	203700	CUP, INNER Y33118-T2	
12	1	203698	CONE, INNER BEARING X33118XT-T2	K, L, M, T
13	1	203708	SEAL, 881 HUB	
14	2	N41447	HUB, 8 BOLT 4.0" BOLT CIRCLE	
15	1	N39118	SEAL, GREASE	
16	1	N39120	BEARING, CONE	
17	1	203718	CUP, BEARING JLM506810	
18	8	N39122	STUD,5/8-18X2.25	
19	8	N39123	NUT,5/8-18 60DEG	
20	1	203717	CUP, BEARING LM501310	
21	1	N39119	BEARING, CONE	
22	1	N39117	CAP, HUB	
23	1	N39121	HUB, 8 BOLT	
	1	204714	WHEEL, 14L-16.1SL 1.50" OFFSET	K
24	1	N33812	WHEEL,19L16.1 - 10PLY	L
	1	210017	WHEEL, VF385/65R22.5 1.5IN OFFSET	М

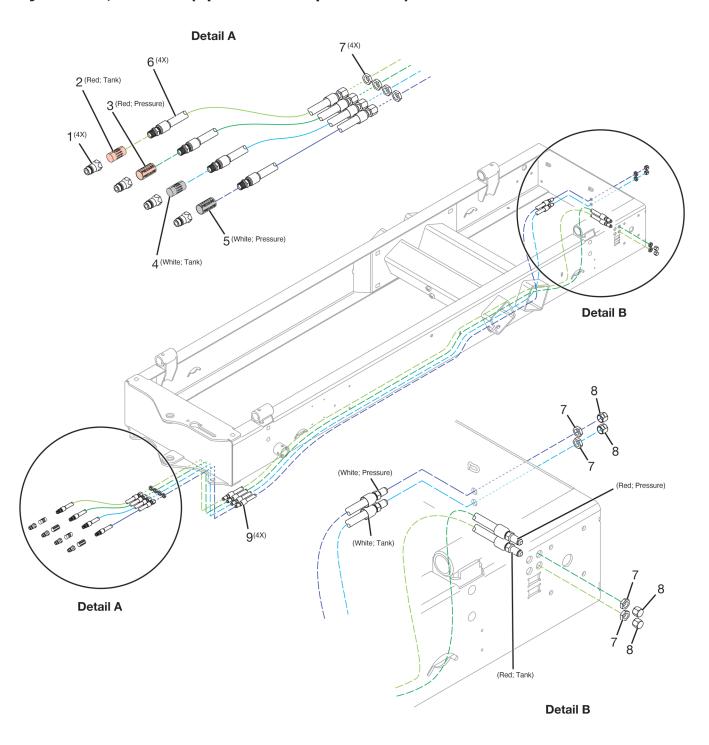
Hopper; Apron Hood; Windows



Hopper; Apron Hood; Windows

#	QTY.	PART #	DESCRIPTION	S/N
1	1	204811	BIN WLDMT, F1210	
2	44	N36497	BOLT, 3/8" X 3/4" SER FLG	
3	56	N73940	NUT, LOCK 3/8" SER FLG SS	up to 90-244
3	16	N73940	NUT, LOCK 3/8" SER FLG SS	from 90-245
4	4	206247	HOOD, SPREADER, FLOOR CHAIN	
5	2	N37022	WINDOW, SPREADER FRONT	
6	16	N50815	BOLT, 3/8" X 1" SS SER FL GR 5	
7	3	4340	BOLT, 1/4" X 3/4" GRADE 5	
8	3	4996	NUT, LOCK 1/4" NYLOCK	
9	1	N19600	HOLDER, 01-315A STND.MANUAL	
10	1	N105370	DENSITY SCALE, FERTILIZER	

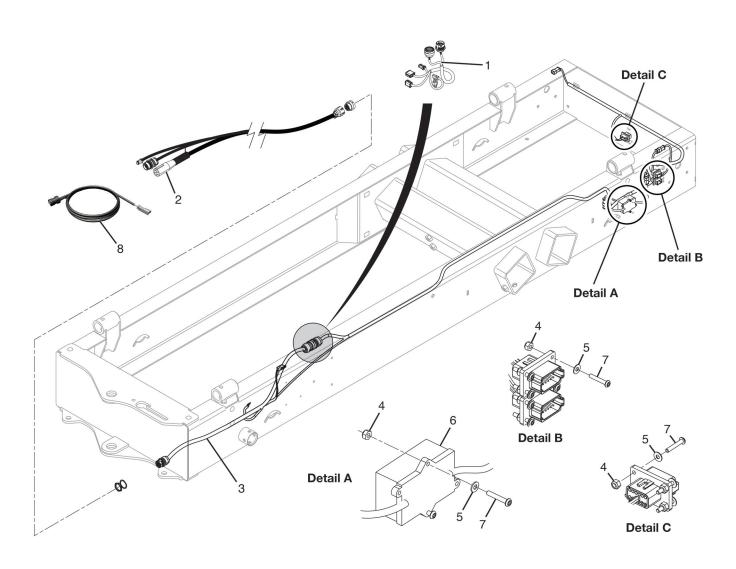
Hydraulics, Chassis (Spinner and Apron Drive)



Hydraulics, Chassis (Spinner and Apron Drive)

#	QTY.	PART #	DESCRIPTION
1	4	N11825	COUPLER, 1/2" MALE PIONEER
2	2	N113698	DECAL, RED TANK
3	2	N113696	DECAL, RED PRESSURE
4	2	N24823	DECAL, TANK
5	2	N24822	DECAL, PRESSURE
6	4	206246	HOSE, 1/2" X 127" -8FJX -8MPT
7	8	N26387	NUT, JAM; -08 BULKHEAD
8	4	N21385	CAP, 8FJIC
9	4	204204	HOSE, 1/2" X 175" -8MJIC -8MJIC

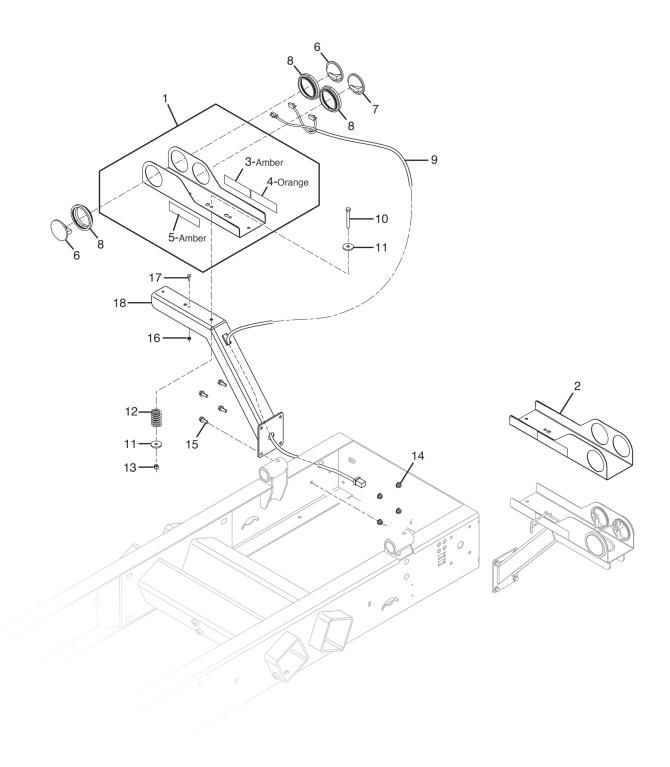
Wiring Harness, Chassis



Wiring Harness, Chassis

#	QTY.	PART #	DESCRIPTION	CC	DDE
#	QTI.	PARI#	DESCRIPTION	APRON	OPTIONS
	1	210324	HARNESS-MODULE, AGLEADER	K	
1	1	210433	HARNESS-DEERE GS2 READY	Т	J
	1	204398	RAVEN ISOBUS	T, U	L
	1	210323	HARNESS-HITCH, AGLEADER	К	
	1	204348	HARNESS-HITCH, RAVEN 22 PIN	W	
	1	204347	HARNESS-HITCH, RAVEN 37 PIN	X, Y	
2	1	204358	HARNESS-HITCH, ISO CONTROLLER	T, U	
	1	210415	HARNESS-ISO CONTROLLER	Т	J
	1	204602	HARNESS-HITCH, RAVEN 47 PIN	Z, A	
3	1	204357	HARNESS-12TON CHASSIS		
4	14	N16133	NUT, NYLON INSERT #8		
5	14	4576	WASHER, FLAT #8		
6	1	N62625	MODULE,LIGHTING		
7	14	N16132	BOLT, BHCS #8-32 X 1		
8	1	210434	HARNESS-FOOTSWITCH, DEERE	Т	J

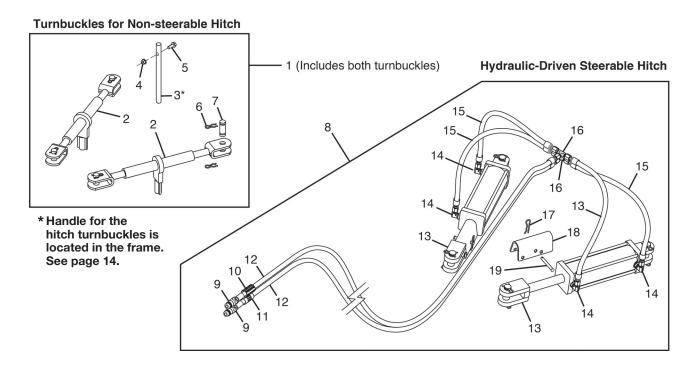
Lights, Breakaway



Lights, Breakaway

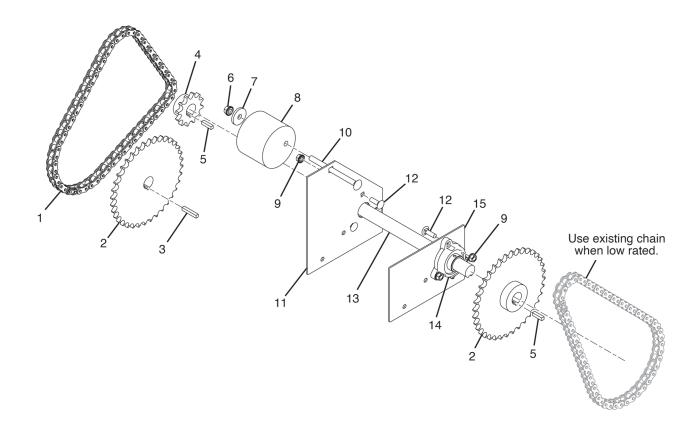
#	QTY.	PART #	DESCRIPTION
1	1	204746	LIGHT ARM ASM-RH
2	1	204747	LIGHT ARM ASM-LH
3	1	N35392	DECAL, RED REFLECTOR 9" X 2"
4	1	204748	DECAL,RED-ORANGE REFLECTOR 6X2
5	1	N35393	DECAL, RED REFLECTOR 9" X 2"
6	4	N41423	LIGHT, 4" STTL AMBER
7	2	N41422	LIGHT, 4" STTL RED
8	6	N41426	GROMMET, 4" STTL
9	2	204369	HARNESS-LIGHT ARM
10	2	4357	BOLT, 1/2" X 4" GRADE 5
11	4	4074	WASHER, 2" OD X 1/2" ID X 1/4"
12	2	N19963	SPRING, COMP.; 234 LB/IN
13	2	N149702	NUT, LOCK 1/2-13 NYLOCK
14	8	N29075	NUT, LOCK 1/2" SERRATED FLANGE
15	8	N18360	BOLT,1/2-13 X 1-1/4 SER FLG
16	2	N41427	NUT, LOCK 5/16" SER FLG, SS
17	2	N41428	BOLT, CARRIAGE 5/16" X 1", SS
18	2	204205	WLDMT, MOUNT, LIGHTS

Hitch Positioning - Turnbuckle, Non-Steerable Hitch (206275); Steerable Hitch (206273)



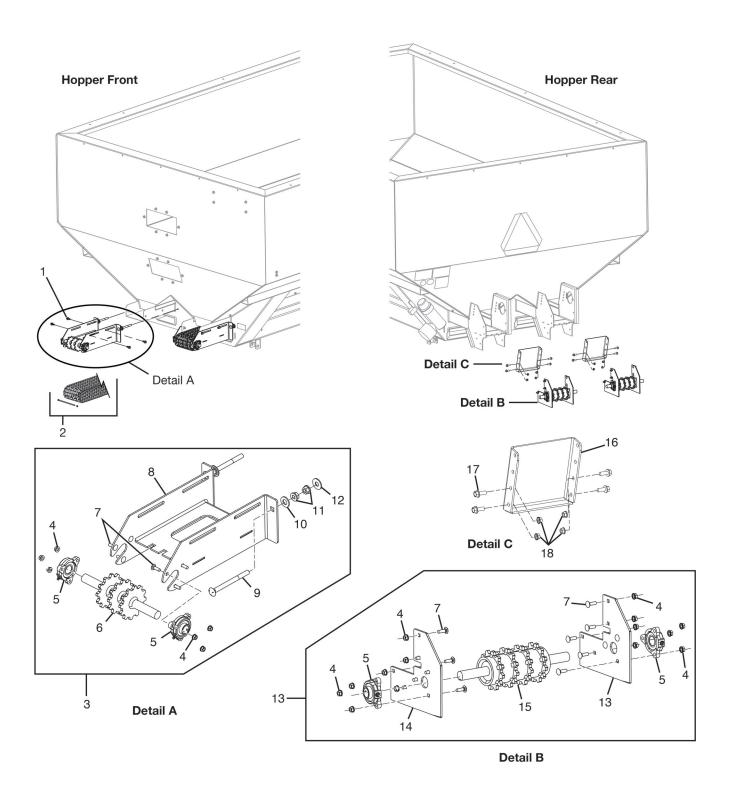
#	QTY.	PART #	DESCRIPTION	CODE
#	GII.	PANI#	DESCRIPTION	STEERING
1	1	206275	ASSEMBLY, NON-STEERABLE HITCH	
2	2	8048	BODY, RATCHET JACK	
3	1	8048-30	HANDLE, RATCHET JACK	
4	1	4996	NUT, LOCK 1/4" NYLOCK	8, 9, 2, 3, 4, 5
5	1	4998	BOLT, 1/4 X 1-1/2 GR5	٦, ٥
6	8	8048-20	CLIP	
7	4	8048-10	PIN	
8	1	206273	ASSEMBLY, STEERABLE HITCH	
9	2	N11825	COUPLER, 1/2" MALE PIONEER]
10	1	204355	DECAL, YELLOW PRESSURE	
11	1	204356	DECAL, YELLOW TANK	
12	2	204354	HOSE, 3/8" X 114" -6FJX -8MPT	
13	2	8042	CYLINDER, 3" X 8" REPHASING	D
14	4	N20037	ELBOW, 90 -6MJIC-8MORB .031 OR	
15	4	204353	HOSE, 3/8" X 23" -6FJX -6FJX]
16	2	N24773	TEE, 6MJIC-6MJIC	
17	2	4336	CLIP, HAIRPIN 1/8" X 2-1/4"	
18	2	206274	SAFETY STOP, 6", CYLINDER	
19	2	4093	PIN, 3/8" X 3" (2.75" USEABLE)	

Kit, Cover Crop/Low Rate (203800)



#	QTY.	PART #	DESCRIPTION	S/N
1	1	204152	CHAIN, #50 X 60 PITCH	
2	2	N87343	SPROCKET, 50B36-1.000	
3	1	7187-03	KEY, 1/4" X 1-1/2"	
4	1	8317	SPROCKET, 50B12H - 1IN RB	
5	2	7187-12	KEY, 1/4" X 1"	
6	1	N73940	NUT, LOCK 3/8" SER FLG SS	
7	1	4067	WASHER,1-3/8" X 3/8" X 1/4"T	
8	1	N33889	TENSIONER, MOS2 3.5" DIA	
9	6	N41427	NUT, LOCK 5/16" SER FLG, SS	
10	1	4569	BOLT, CARRIAGE 3/8" X 5" SS FT	
11	1	203811	BRACKET	up to 90-244
12	6	N41428	BOLT, CARRIAGE 5/16" X 1", SS	
13	1	204242	SHAFT, SPREADER CONVEYOR DRUM	
14	2	N33830	BEARING, 1" DODGE 3-BOLT FLG	
15	1	203810	BRACKET	up to 90-244

Apron; Apron Tensioners; Metering Gate

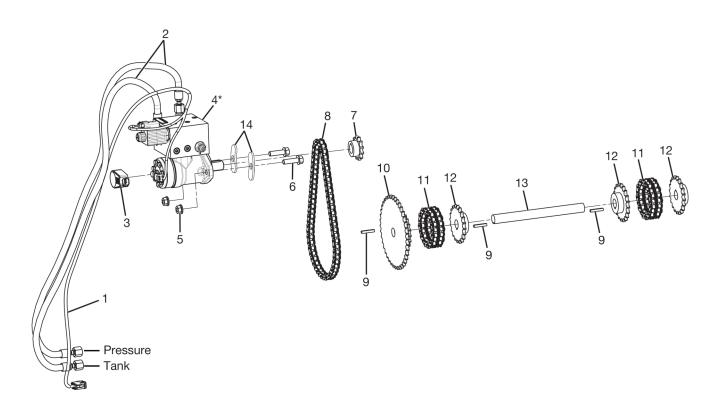


Apron; Apron Tensioners; Metering Gate

#	QTY.	PART #	DESCRIPTION	CODE
				APRON
1	4	4193	BOLT, 3/8 X 3/4 UNC GR5 PLT	
	2	204642	BELT, FLATWIRE 7" X 336.29"	
	Alternate	204177	BELT, FLATWIRE 7" X 86.75"	
2*	Alternate	N41429	BELT, FLATWIRE 7"X241"	
	As Required	204030	BOLT, 7" FLATWIRE BELT SPLICE (Included with N41429)	
	As Required	204031	NUT, LOCK #10-32 UNF NYLOCK SS (Included with N41429)	
3	1	204226	ASSEMBLY, TENSIONER	
4	22	N41427	NUT, LOCK 5/16" SER FLG, SS	
5	4	N33830	BEARING, 1" DODGE 3-BOLT FLG	
6	1	N43841	SPROCKET WLDMT,IDLER	
7	16	N41428	BOLT, CARRIAGE 5/16" X 1", SS	
8	1	204219	WLDMT, TENSIONER, CONVEYOR	
9	2	4988	BOLT, CARRIAGE 1/2" X 6" GR 5	
10	2	4997	WASHER, FLAT 5/8" SAE	
11	4	N29075	NUT, LOCK 1/2" SERRATED FLANGE	
12	2	4486	WASHER, 1/2" FLAT	
13	1	204644	ASSEMBLY, APRON DRIVE	
14	2	204643	EXTENSION, APRON SIDE	
15	1	204241	DRUM WLDMT,DRIVER	
16	1	204179	PLATE, GATE	
17	4	N50815	BOLT, 3/8" X 1" SS SER FL GR 5	W, X, T, Z
18	4	N73940	NUT, LOCK 3/8" SER FLG SS	-, _

^{*} Total belt length is 327.75 in. (832.5 cm). Flatwire belts 204177 and N41429 are combined to create one belt in.

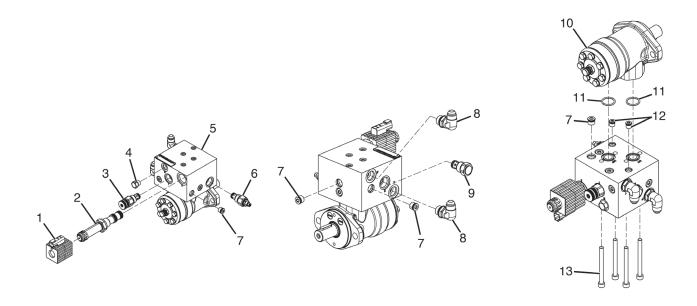
Apron Drive, One Section (204322)



* See page 27 for parts breakdown of Item 4 (204235).

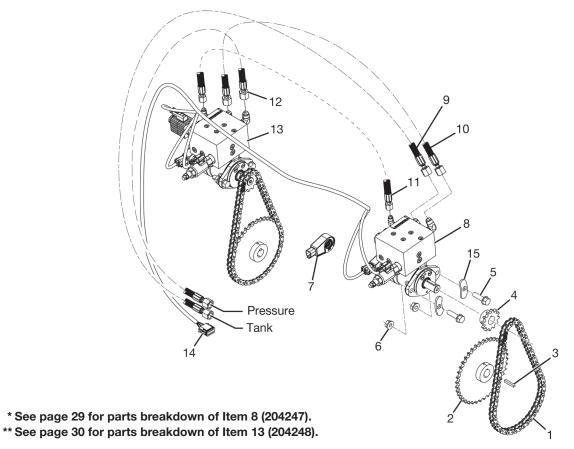
#	QTY.	QTY. PART #	DESCRIPTION	CODE
		QIT.	QIT. PARI#	DESCRIPTION
1	1	204737	HARNESS-PRODUCT, 1 BOOM	
2	2	N30431	HOSE, 1/2" X 50" -8FJX -8FJX	
0	1	204582	SENSOR, APRON SPEED 108 PPR	
3	As Required	N101187	SENSOR, SPEED (Dealer must program)	
4	1	204235	MOTOR/VALVE ASM	
5	2	N29075	NUT, LOCK 1/2" SERRATED FLANGE	
6	2	N18159	BOLT, 1/2" X 1-3/4" SER FLG	
7	1	8317	SPROCKET, 50B42 1" BORE	W, X, T, Z, K
8	1	204152	CHAIN, #50 X 37.50 SS	2, 1
9	3	7187-03	KEY, 1/4" X 1-1/2"	
10	1	N47307	SPROCKET,COMBINATION #50X40/20	
11	2	204155	CHAIN, #50-2 X 12.50 SS	
12	3	N47305	SPROCKET, 50B20-1.000	
13	1	204154	SHAFT, EXTENSION	
14	2	204589	WASHER	

Apron Drive Motor and Valve Assembly (204235)



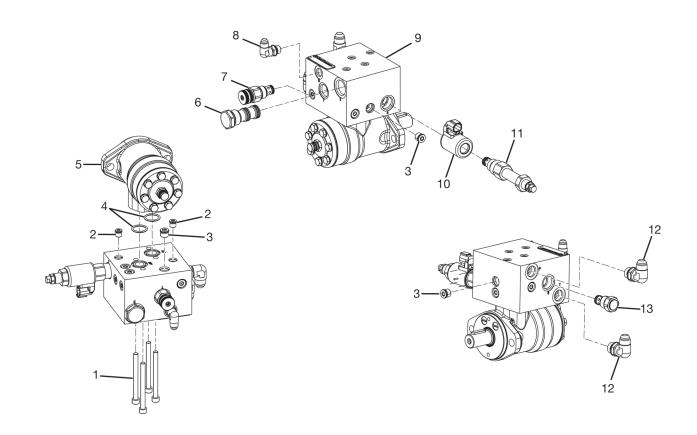
# QTY	OTV	QTY. PART # DESCRIPTION	DESCRIPTION	CODE
	Q11.		DESCRIPTION	APRON
1	1	N142518	COIL, 12VDC 3AMP DEUTSCH	W, X, T, Z, K
2	1	N142516	CARTRIDGE, PROPORTIONAL PCFC	
3	1	204086	CARTRIDGE, #10 NEEDLE VALVE	
4	1	N28286	PLUG, 6MOR HEX	
5	1	204236	MANIFOLD, APRON MOTOR	
6	1	N142510	CARTRIDGE, RELIEF VALVE ADJ	
7	9	N142494	PLUG, SAE -06	
8	2	N11952	ELBOW, 90 DEG - 08MJIC - 08MOR	
9	1	N142508	CARTRIDGE, CHECK VALVE 5PSI	
10	1	206257	MOTOR, 9.53 CI DANFOSS	
11	2	N142496	O-RING, SAE 568-119	
12	2	N139982	PLUG, SAE -04	
13	4	N142520	BOLT, SHCS M8X1.25X90	

Apron Drive, Two Section



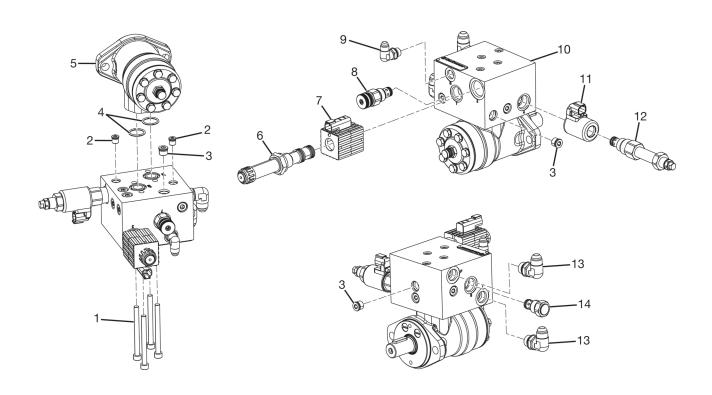
#	QTY.	DART II	DESCRIPTION	CODE
		PART #		APRON
1	2	204152	CHAIN, #50 X 37.50 SS	
2	2	204153	SPROCKET, 50B40-1.000	
3	2	7187-03	KEY, 1/4" X 1-1/2"	
4	2	8317	SPROCKET, 50B42 1" BORE	
5	4	N18159	BOLT, 1/2" X 1-3/4" SER FLG	
6	4	N29075	NUT, LOCK 1/2" SERRATED FLANGE	
7	2	204582	SENSOR, APRON SPEED 108 PPR	
7	As Required	N101187	SENSOR, SPEED (Dealer must program))/ A 11
8	1	204247	MOTOR/VALVE ASM	Y, A, U
9	1	N29723	HOSE, 1/2" X 75" -8FJIC -8FJIC	
10	1	N24836	HOSE, 3/8" X 40" -8FJIC -8FJIC	
11	1	N24839	HOSE, 3/8" X 34" -6FJIC -6FJIC	
12	1	N30431	HOSE, 1/2" X 50" -8FJX -8FJX	
13	1	204248	MOTOR/VALVE ASM	
14	1	204367	HARNESS-PRODUCT, 2 BOOM	
15	2	204589	WASHER	

Apron Drive Motor and Valve Assembly (204247) - Two Section; Right Side



#	QTY.	QTY. PART #	DESCRIPTION	CODE
				APRON
1	4	N142520	BOLT, SHCS M8X1.25X90	
2	2	N139982	PLUG, SAE -04	Y, A, U
3	9	N142494	PLUG, SAE -06	
4	2	N142496	O-RING, SAE 568-119	
5	1	204010	MOTOR, 9.53 CI DANFOSS	
6	1	204249	CAVITY PLUG, -12	
7	1	204086	CARTRIDGE, #10 NEEDLE VALVE	
8	1	N26204	ELBOW, 90 DEG - 6MJIC - 6MOR	
9	1	204236	MANIFOLD, APRON MOTOR	
10	1	204013	COIL, 12V DEUTSCH 2 PIN	
11	1	204237	CARTRIDGE, RELIEF VALVE	
12	2	N11952	ELBOW, 90 DEG - 08MJIC - 08MOR	
13	1	N142508	CARTRIDGE, CHECK VALVE 5PSI	

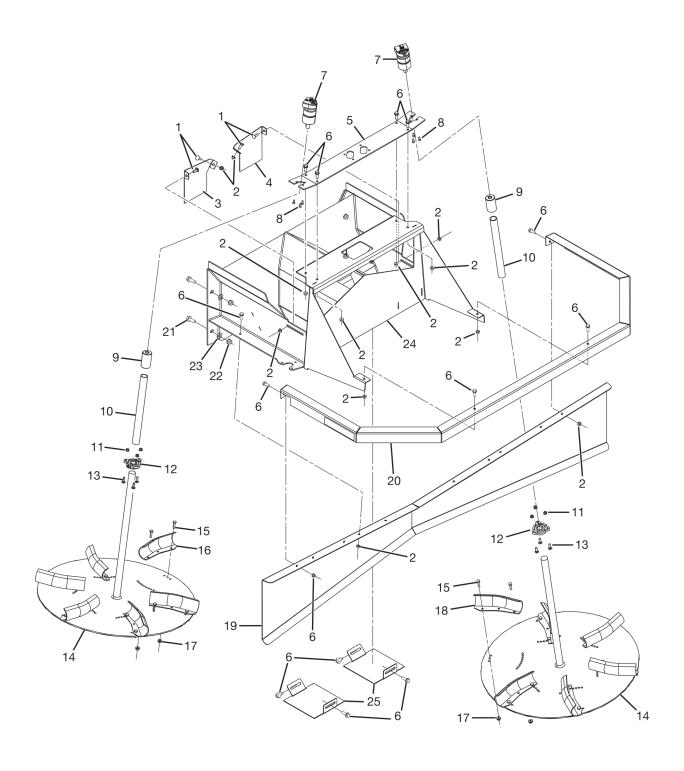
Motor and Valve Assembly - Two Section; Left Side (204248)



#	QTY.	PART # DESCRIPTION	CODE	
				APRON
1	4	N142520	BOLT, SHCS M8X1.25X90	
2	2	N139982	PLUG, SAE -04	
3	9	N142494	PLUG, SAE -06	
4	2	N142496	O-RING, SAE 568-119	
5	1	204010	MOTOR, 9.53 CI DANFOSS	
6	1	N142516	CARTRIDGE, PROPORTIONAL PCFC	Y, A, U
7	1	N142518	COIL, 12VDC 3AMP DEUTSCH	
8	1	204086	CARTRIDGE, #10 NEEDLE VALVE	
9	1	N26204	ELBOW, 90 DEG - 6MJIC - 6MOR	
10	1	204236	MANIFOLD, APRON MOTOR	
11	1	204013	COIL, 12V DEUTSCH 2 PIN	
12	1	204237	CARTRIDGE, RELIEF VALVE	
13	1	N142508	CARTRIDGE, CHECK VALVE 5PSI	

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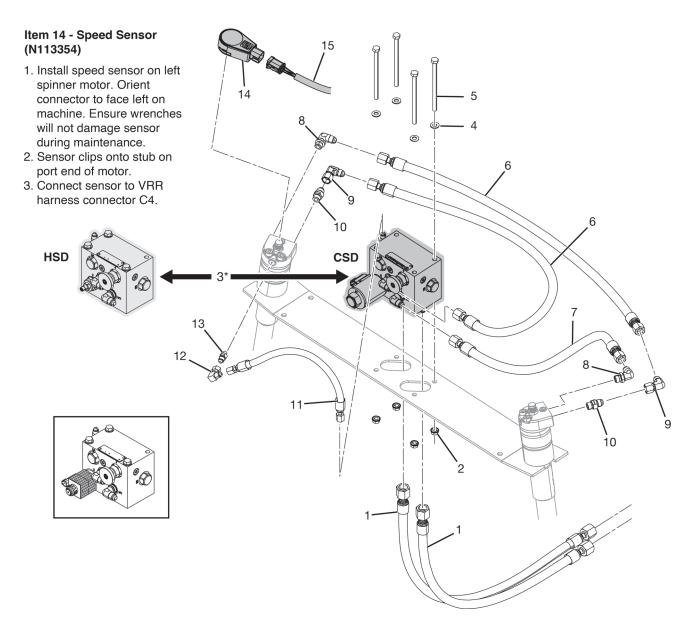
24" Spinners, Spinner Mount, and Deflectors



24" Spinners, Spinner Mount, and Deflectors

#	QTY.	PART #	DESCRIPTION
1	4	4567	BOLT, CARRIAGE 3/8" X 1" SS
2	14	N73940	NUT, LOCK 3/8" SER FLG SS
3	1	206269	PLATE, STOP, LH
4	1	206268	PLATE, STOP, RH
5	1	204141	PLATE, SPINNER MOTOR 50'
6	10	N50815	BOLT, 3/8" X 1" SS SER FL GR 5
7	2	N101185	MOTOR, SPINNER DANFOSS
8	6	204731	BOLT, SHCS 1/4-28X0.500
9	2	N55903	COUPLING, CLAMP-TYPE 1"x5/8"
10	2	N62261	SHIELD, SPREADER SPINNER SHAFT
11	6	N41427	NUT, LOCK 5/16" SER FLG, SS
12	2	N33830	BEARING, 1" DODGE 3-BOLT FLG
13	6	N41428	BOLT, CARRIAGE 5/16" X 1", SS
14	2	204620	SPINNER
15	24	N68478	BOLT, 1/4" X 1" SS
16	4	204732	SLINGER, LH
17	24	N68480	NUT, LOCK 1/4" SER FLG SS
18	4	204733	SLINGER, RH
19	1	204553	DEFLECTOR, SPREADER SPINNER
20	1	203737	GUARD, 26 IN ASM W/DECAL
21	4	N18360	BOLT,1/2-13 X 1-1/4 SER FLG
22	4	N29075	NUT, LOCK 1/2" SERRATED FLANGE
23	4	4068	WASHER, 1/2" SAE FLAT
24	1	204131	MOUNT, SPREADER SPINNER
25	2	204601	GUIDE, FERTILIZER

Spinner Drive and Mount - Controlled Spinner Drive (CSD); Hydraulic Spinner Drive (HSD)

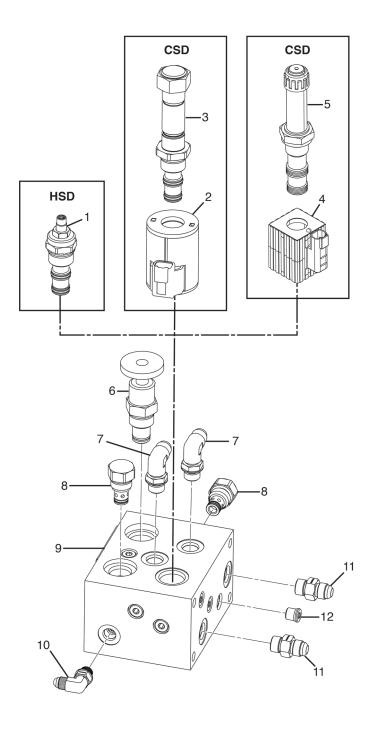


* Item 3: See page 36 for parts breakdown of manifold assemblies for Controlled Spinner Drive (CSD) - (N141475) and Hydraulic Spinner Drive (HSD) - (N113478).

Spinner Drive and Mount - Controlled Spinner Drive (CSD); Hydraulic Spinner Drive (HSD)

#	QTY.	PART #	DESCRIPTION	SPINNER
1	2	N28396	HOSE, 3/8" X 30" -8FJC -6FJC	OI INNET
2	4	N26742	NUT, LOCK 5/16" SER FLG	
	1	N113478	MANIFOLD ASM, SPINNER MTR HSD	Н
3	1	N141475	MANIFOLD ASM, SPINNER MTR CSD	С
4	4	N28927	WASHER, FLAT 5/16 SAE	
5	4	206019	BOLT, 5/16" X 5" GR 5	
6	2	N24839	HOSE, 3/8" X 34" -6FJIC -6FJIC	
7	1	N26319	HOSE, 3/8" X 18" -6FJIC -6FJIC	
8	2	N105368	ELBOW, 90 DEG -6MJIC -6MBSPP	
9	2	N29078	ELBOW, 90 DEG - 6MJIC - 6FJIC	
10	2	N28847	ADAPTER, -6MJIC -6MBSPP	
11	1	204373	HOSE, 1/4" X 16"-4FJIC-4FJIC	
12	1	N25125	ELBOW, 90 DEG -4FJIC -4MJIC	
13	1	N110162	ADAPTER4MJIC -2BSPP	
1.4	1	N113354	SENSOR, SPIN SPEED	
14	As Required	N101187	SENSOR, SPEED (Dealer must program)	
15	1	204737	HARNESS-PRODUCT, 1 BOOM	

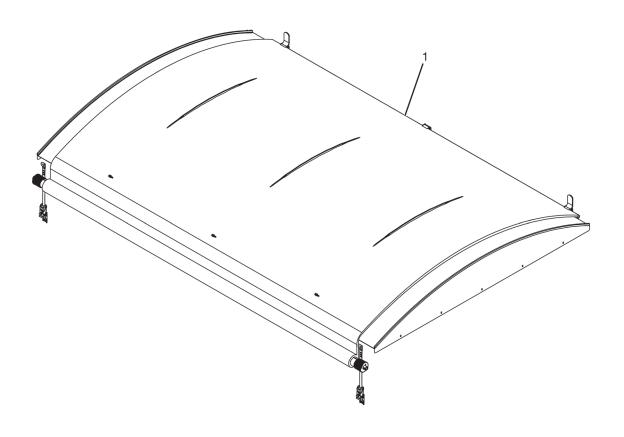
Manifold, Spinner Motor - Controlled Spinner Drive (CSD) (N141475); Hydraulic Spinner Drive (HSD) (N113478)



Manifold, Spinner Motor - Controlled Spinner Drive (CSD) (N141475); Hydraulic Spinner Drive (HSD) (N113478)

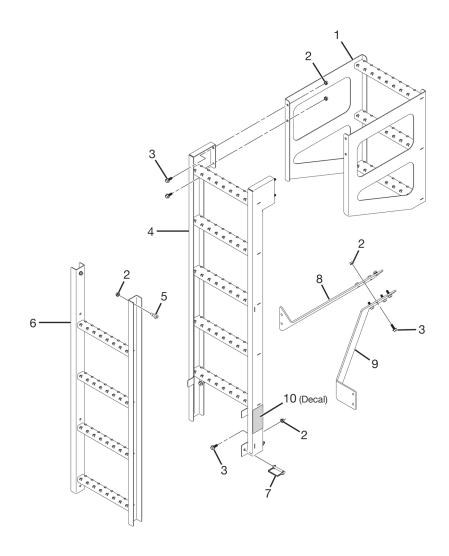
#	QTY.	PART #	DESCRIPTION	CODE
#	QII.	PARI#	DESCRIPTION	SPINNER
1	1	N139980	CARTRIDGE, PCFC	Н
2	1	N139978	COIL, 12V 2 PIN DEUTSCH	С
3	1	204900	CARTRIDGE, FLOW REGULATOR	С
4	1	N142518 COIL, 12VDC 3AMP DEUTSCH		С
5	1	NOT SERVICEABLE	SUB N139978 and 204900	С
6	1	204086	CARTRIDGE, TURN	C, H
7	2	N26204	ELBOW, 90 DEG - 6MJIC - 6MOR	
8	7	N139982	PLUG, SAE -04	
9	1	N139970	BLOCK, MANIFOLD	
10	1	N142378 ELBOW, 90 DEG -4MJIC -4MORB		
11	2	N24821 ADAPTER, 6MOR - 6MJIC		
12	7	N139982	PLUG, SAE -04	

Roll Tarp



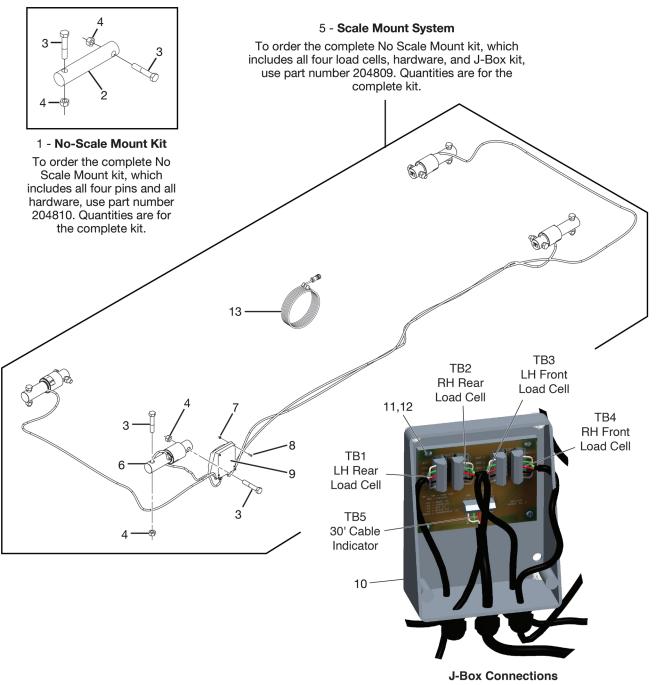
4	QTY.	PART #	DESCRIPTION	CODE
#	QII.	QTT. PART # DESCRIPTION	DESCRIPTION	OPTIONS
1	1	204239	TARP KIT, BLUE	Т

Ladder (203675)



#	OTV	DADT #	DESCRIPTION	CODE
#	QTY.	PART #	DESCRIPTION	OPTION
1	1	203673	LADDER, HOPPER LG	
2	14	N73940	NUT, LOCK 3/8" SER FLG SS	
3	12	N50815	BOLT, 3/8" X 1" SS SER FL GR 5	
4	1	203658	203658 LADDER, WLDMT SPRD	
5	2	4037	BOLT, SHOULDER 1/2" X 1/2"	
6	1	203669	LADDER, WLDMT SPRD EXT	L
7	1	N31221	PIN, 3/8" X 2-1/4" RETAINER	
8	1	203663	203663 SUPPORT, F1210 LADDER ASM LH	
9	1	203666	SUPPORT, F1210 LADDER ASM RH	
10	1	N23507	DECAL, WARNING PINCH POINT	

Hopper Support System



Load cell connection instructions

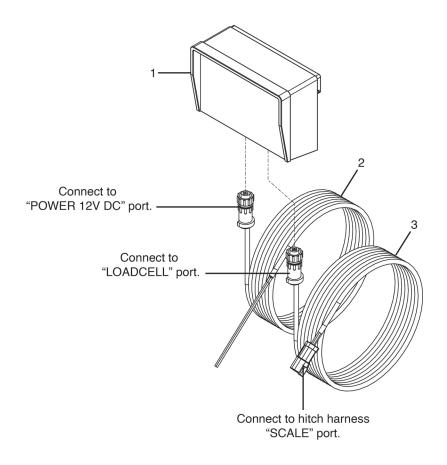
- 1. Connect indicator cable to J-box.
- 2. Connect indicator cable to scale display.
- 3. Connect load cells to J-box.
- 4. Test scale to verify that load stabilizes. Load will increase with weight added to machine.

5. Install J-box cover.

Hopper Support System

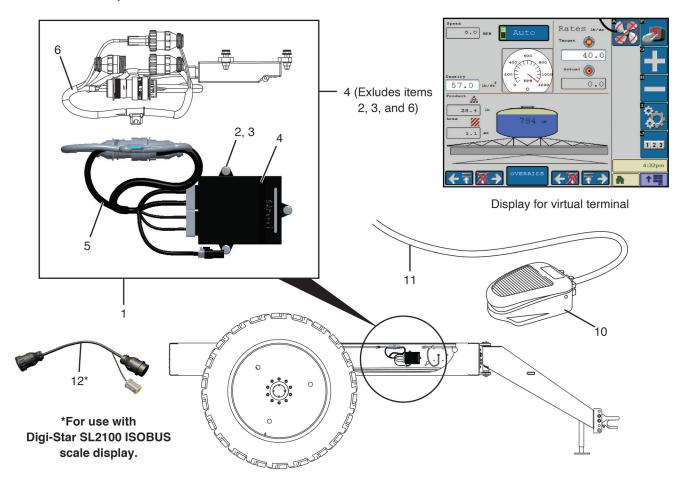
#	QTY.	PART #	DESCRIPTION	CODE
#	QII.	PANI#	DESCRIPTION	STEERING
1	4	204810	SCALE AR NONE	8
2	4	204799 BAR, DUMMY		0
3	8	N156046	BOLT, 3/4" X 4" FN GRD 8	
4	8	N16352	NUT, LOCK 3/4" GRADE 8 FINE	
5	1	204809	SCALE AR-4PT	
6	4	204193	LOAD CELL - 2.125" DB-21'	
7	4	N16334	NUT, NYLON INSERT #10	
8	4	N22358	BOLT, #10-32 X 3/4" BHCS	1
9	1	204585	J-BOX 3PT/4PT	0.5
10	1	N124852	KIT, J-BOX 3PT/4PT-30FT CBL	9, D
11	4	N16334	NUT, NYLON INSERT #10	
12	4 N22358 BOLT, #10-32 X 3/4" BHCS		BOLT, #10-32 X 3/4" BHCS	
10	1	204898	HARNESS, SCALE LEAD 15'	
13	As Required	204899	HARNESS, SCALE LEAD 30'	

Scale Electronics



# QTY.		PART #	DESCRIPTION	CODE			
# G	QTT.	PANI#	DESCRIPTION	OPTIONS			
1	1 N124848 GT400, SERIAL (J905) & REMOTE						
2	1	N124850	N124850 CABLE, POWER 17' 2-WIRE				
2	1	204898	HARNESS, SCALE LEAD 15'	M			
3	As Required	204899	HARNESS, SCALE LEAD 30'				

ISO Controller, AR Raven



Complete kit not shown.

#	QTY.	PART #	DESCRIPTION	CODE		
#	# QIT. PANI#	PARI#	DESCRIPTION	AXLE	OPTIONS	
1	1	204386	CONTROLLER AR-RAVEN ISO			
2	3	4979	NUT, LOCK 3/8" SER FLG			
3	3	N47855	BOLT, 3/8" X 1-1/4" SER FLG			
4	1	N89557	ECU-RAVEN ISO (Included in Item 1)			
5	1	204603	HARNESS-ISO 37 PIN PRODUCT (Included in Item 4)			
6	1	204398	HARNESS,ISO CONTROLLER (Included in Item 1)			
7	1	204346	NODE-ISO CONTROLLER (Included in Item 4)		ı	
8	1	204597	HARNESS, RAVEN TERMINATOR (Included in Item 4)			
9	1	204599	TERMINATOR, POWELL ACTIVE (Included in Item 4)			
10	1	204646	SWITCH ASM, FOOT (Included in Item 4)			
11	1	204647	HARNESS, FOOT SWITCH (Included in Item 4)			
12	As required	210705	HARNESS, ISOBUS SL2100 SCALE	9, D		

Raven 660 Controller (N89543)



Complete kit not shown.

#	QTY.	PART #	DESCRIPTION	CODE			
#	Q11.	PANI#	DESCRIPTION	OPTIONS			
*	1	N89543 CONTROLLER KIT RAVEN 660 (INCLUDES N89545, N89553, N90023)					
*	1	N89545	N89545 CONSOLE, RAVEN 660M				
*	1	N89553	CABLE, 660 3'				
*	1	N90023	MANUAL, RAVEN 660 CONSOLE				
*	1	N89596	SENSOR-SPEED, GPS	G			

Machine Decals and Signs

NOTE: All safety related decals are also shown in the Safety Instructions section of the Operator's Manual, along with their location on the machine.

Check and replace any worn, torn, hard to read or missing decals on your machine.

Part No. N35391



Part No. N35380



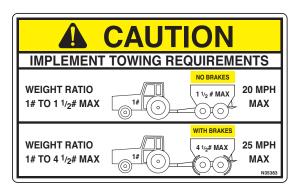
Part No. N23507



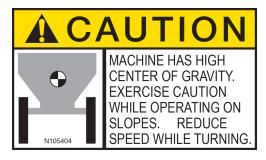
Part No. 204329



Part No. N35383



Part No. N105404



Part No. 203264



Part No. N35387

IMPORTANT

- KNOW THE WEIGHT OF THE MATERIAL TO BE SPREAD.

 [Weigh one gallon and multiply by 7.5]
- 2. CONSULT APPLICATION RATE CHART FOR GATE OPENING SETTING.
- 3. LOCK GATE AFTER SETTING.
- 4. CHECK SPREAD PATTERN.
- 5. KEEP CONVEYOR BELT TIGHT.
- 6. LIMIT MATERIAL BUILD-UP ON FLOOR TO $^{1}/_{4}$ ".
- 7. AVOID LETTING LOADED SPREADER SIT OVERNIGHT.
- 8. CONSULT INSTRUCTION BOOK FOR GREASING SCHEDULE.
- 9. POINTER INDICATES HEIGHT ABOVE FLOOR.

N35387

Machine Decals and Signs (Cont'd)

Part No. 4132



Part No. 204748



Part No. N35393



Part No. N35392



Part No. N24822

PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE

Part No. N113696

PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE

Part No. 204355

PRESSURE
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Part No. N24823

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Part No. N113698

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Part No. 204356

TANK TANK TANK TANK TANK TANK TANK

Part No. N13517



Part No. 4138



Part No. N13721

	•
Model Number	
Serial Number	

Part No. N47490



Part No. 204189



Part No. 209528



Torque Specifications

Inches Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications

(Standard Hardware and Lock Nuts)

SAE Gr. 2	SAE G	rade 5	SAE G	irade 8		LOCK	NUTS	
Nominal Size	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Grade W / Gr. 5 Bolt	Grade W / Gr. 8 Bolt
1/4	55 inlb.	72 inlb.	86 inlb.	112 inlb.	121 inlb.	157 inlb.	61 inlb.	86 inlb.
	(6.2 N•m)	(8.1 N•m)	(9.7 N•m)	(12.6 N•m)	(13.6 N•m)	(17.7 N•m)	(6.9 N•m)	(9.8 N•m)
5/16	115 inlb.	149 inlb.	178 inlb.	229 inlb.	250 inlb.	324 inlb.	125 inlb.	176 inlb.
	(13 N•m)	(17 N•m)	(20 N•m)	(26 N•m)	(28 N•m)	(37 N•m)	(14 N•m)	(20 N•m)
3/8	17 ftlb.	22 ftlb.	26 ftlb.	34 ftlb.	37 ftlb.	48 ftlb.	19 ftlb.	26 ftlb.
	(23 N•m)	(30 N•m)	(35 N•m)	(46 N•m)	(50 N•m)	(65 N•m)	(26 N•m)	(35 N•m)
7/16	27 ftlb.	35 ftlb.	42 ftlb.	54 ftlb.	59 ftlb.	77 ftlb.	30 ftlb.	42 ftlb.
	(37 N•m)	(47 N•m)	(57 N•m)	(73 N•m)	(80 N•m)	(104 N•m)	(41 N•m)	(57 N•m)
1/2	42 ftlb.	54 ftlb.	64 ftlb.	83 ftlb.	91 ftlb.	117 ftlb.	45 ftlb.	64 ftlb.
	(57 N•m)	(73 N•m)	(87 N•m)	(113 N•m)	(123 N•m)	(159 N•m)	(61 N•m)	(88 N•m)
9/16	60 ftlb.	77 ftlb.	92 ftlb.	120 ftlb.	130 ftlb.	169 ftlb.	65 ftlb.	92 ftlb.
	(81 N•m)	(104 N•m)	(125 N•m)	(163 N•m)	(176) N•m	(229 N•m)	(88 N•m)	(125 N•m)
5/8	83 ftlb.	107 ftlb.	128 ftlb.	165 ftlb.	180 ftlb.	233 ftlb.	90 ftlb.	127 ftlb.
	(112 N•m)	(145 N•m)	(174 N•m)	(224 N•m)	(244) N•m	(316 N•m)	(122 N•m)	(172 N•m)
3/4	146 ftlb.	189 ftlb.	226 ftlb.	293 ftlb.	319 ftlb.	413 ftlb.	160 ftlb.	226 ftlb.
	(198 N•m)	(256 N•m)	(306 N•m)	(397 N•m)	(432 N•m)	(560 N•m)	(217 N•m)	(306 N•m)
7/8	142 ftlb.	183 ftlb.	365 ftlb.	473 ftlb.	515 ftlb.	667 ftlb.	258 ftlb.	364 ftlb.
	(193 N•m)	(248 N•m)	(495 N•m)	(641 N•m)	(698 N•m)	(904 N•m)	(350 N•m)	(494 N•m)
1	213 ftlb.	275 ftlb.	547 ftlb.	708 ftlb.	773 ftlb.	1000 ftlb.	386 ftlb.	545 ftlb.
	(289 N•m)	(373 N•m)	(742 N•m)	(960 N•m)	(1048 N•m)	(1356 N•m)	(523 N•m)	(739 N•m)



















NEW CLOCK MARKINGS NUTS INCHES AND METRIC



















CENTER LOCK MARKING

LOCK NUT MARKING

LOCK NUT NOTCH MARKING

LOCK NUT LETTER MARKING

Torque Specifications (Cont'd)

Metric Hardware and Lock Nuts

TORQUE CHARTS

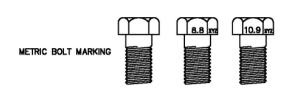
Minimum Hardware Tightening Torques

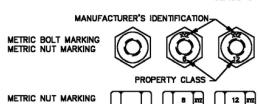
Normal Assembly Applications

(Metric Hardware and Lock Nuts)

	Class 5,8		Class	s 8,8	Class	Lock nuts	
Nominal Size	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Class 8 W / CL. 8,8 Bolt
M4	1.7 N•m	2.2 N•m	2.6 N·m	3.4 N•m	3.7 N•m	4.8 N•m	1.8 N•m
	(15 inlb.)	(19 inlb.)	(23 inlb.)	(30 inlb.)	(33 inlb.)	(42 inlb.)	(16 inlb.)
M6	5.8 N•m	7.6 N•m	8.9 N•m	12 N•m	13 N•m	17 N•m	6.3 N•m
	(51 inlb.)	(67 inlb.)	(79 inlb.)	(102 inlb.)	(115 inlb.)	(150 inlb.)	(56 inlb.)
M8	14 N•m	18 N•m	22 N•m	28 N•m	31 N•m	40 N•m	15 N•m
	(124 inlb.)	(159 inlb.)	(195 inlb.)	(248 inlb.)	(274 inlb.)	(354 inlb.)	(133 inlb.)
M10	28 N•m	36 N•m	43 N•m	56 N•m	61 N•m	79 N•m	30 N•m
	(21 ftlb.)	(27 ftlb.)	(32 ftlb.)	(41 ftlb.)	(45 ftlb.)	(58 ftlb.)	(22 ftlb.)
M12	49 N•m	63 N•m	75 N•m	97 N•m	107 N•m	138 N•m	53 N•m
	(36 ftlb.)	(46 ftlb.)	(55 ftlb.)	(72 ftlb.)	(79 ftlb.)	(102 ftlb.)	(39 ftlb.)
M16	121 N•m	158 N•m	186 N•m	240 N•m	266 N•m	344 N•m	131N•m
	(89 ftlb.)	(117 ftlb.)	(137 ftlb.)	(177 ftlb.)	(196 ftlb.)	(254 ftlb.)	(97 ftlb.)
M20	237 N•m	307 N•m	375 N•m	485 N•m	519 N•m	671 N•m	265 N•m
	(175 ftlb.)	(226 ftlb.)	(277 ftlb.)	(358 ftlb.)	(383 ftlb.)	(495 ftlb.)	(195 ftlb.)
M24	411 N•m	531 N•m	648 N•m	839 N•m	897 N•m	1160 N•m	458 N•m
	(303 ftlb.)	(392 ftlb.)	(478 ftlb.)	(619 ftlb.)	(662 ftlb.)	(855 ftlb.)	(338 ftlb.)

GRADE 2 GRADE 5 GRADE 8 CLASS A CLASS B CLASS C





NOTE: CLASS 2 IN METRIC IS 5.8

LOFTNESS SPECIALIZED EQUIPMENT, INC. LIMITED WARRANTY POLICY

The limited warranty policy begins upon delivery of the unit to the original customers.

The following Loftness products have a two (2) year limited warranty;

XLB10 Grain Bag Loader, Battle Ax L-series Skid Steer, Battle Ax S-series Skid Steer, Battle Ax H-series Skid Steer, Battle Ax Excavator 20-series, Battle Ax Excavator 30-series, Battle Ax Excavator 40-series, Battle Ax Excavator 50-series, Battle Ax Extreme, Bad Ax Skid Steer, Timber Ax Skid Steer, Stump Ax, BT20, Kwik Cut.

All other Loftness products have a one (1) year limited warranty.

If any Loftness product is used as rental or leased equipment the limited warranty period is for only 30 days from the delivery date to the original customers.

Loftness Specialized Equipment, hereinafter referred to as LOFTNESS, a manufacturer of quality machinery since 1956, warrants new LOFTNESS machinery and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth in the LOFTNESS Operator's Manual

LOFTNESS' liability for any defect with respect to accepted goods shall be limited to repairing the goods at an authorized dealer or other LOFTNESS designated location, or replacing them as LOFTNESS shall elect. The above shall be in accordance with LOFTNESS warranty adjustment policies.

WARRANTY REQUIREMENTS

Warranty registration form must be filled out and returned to Loftness Specialized Equipment to validate all warranty claims. To receive a warranty claim, a return authorization from LOFTNESS must be obtained. The failed part may then be returned in an untampered status. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls and pick-up/delivery charges are the customer's responsibility.

LIMITATIONS OF WARRANTY

LOFTNESS products are designed to provide years of dependable service when proper use and maintenance is adhered to. The potential for misuse in many applications exists; therefore, a limited warranty is provided as follows.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the LOFTNESS factory or authorized LOFTNESS dealership or in any way so as in LOFTNESS' judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor to any machine or attachment which shall not have been operated in accordance with LOFTNESS' printed instructions or beyond the company recommended machine rated capacity. LOFTNESS may elect to have an area representative evaluate the condition of the machine before warranty is considered.

In addition, this limited warranty provides no coverage for general wear or maintenance items, misuse, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items;

Use of machine beyond its rated capacity, Conveyors, Improper knife replacement, Auger wear, Missing knives, Saw blades, Striking foreign objects, Brakes and brake pads, Lack of lubrication, Tires, Failures caused by running in an "out-of-balance" condition, Hydraulic hoses damaged by being caught in "pinch points" or by moving parts, and Damage caused by excessive force from the power unit.

EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, LOFTNESS makes no representation or warranty of any kind, expressed or implied. The implied warranty of merchantability and fitness for a particular purpose are excluded from this limited warranty. The remedies set forth in this warranty are the only remedies available to any person under this warranty. LOFTNESS shall have no liability to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence, or other tort or otherwise. This exclusion of consequential, incidental and special damages is independent from and shall survive any finding that the exclusive remedy failed of its essential purpose. Upon purchase, the buyer assumes all liability, all personal injury and property damage resulting from the handling, possession or use of the goods by the buyer.

No agent, employee or representative of LOFTNESS has any authority to bind LOFTNESS to any affirmation, representation or warranty concerning its machinery and/or attachments except as specifically set forth herein. (August 2023)



www.loftness.com

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