Part Number: 1025T500

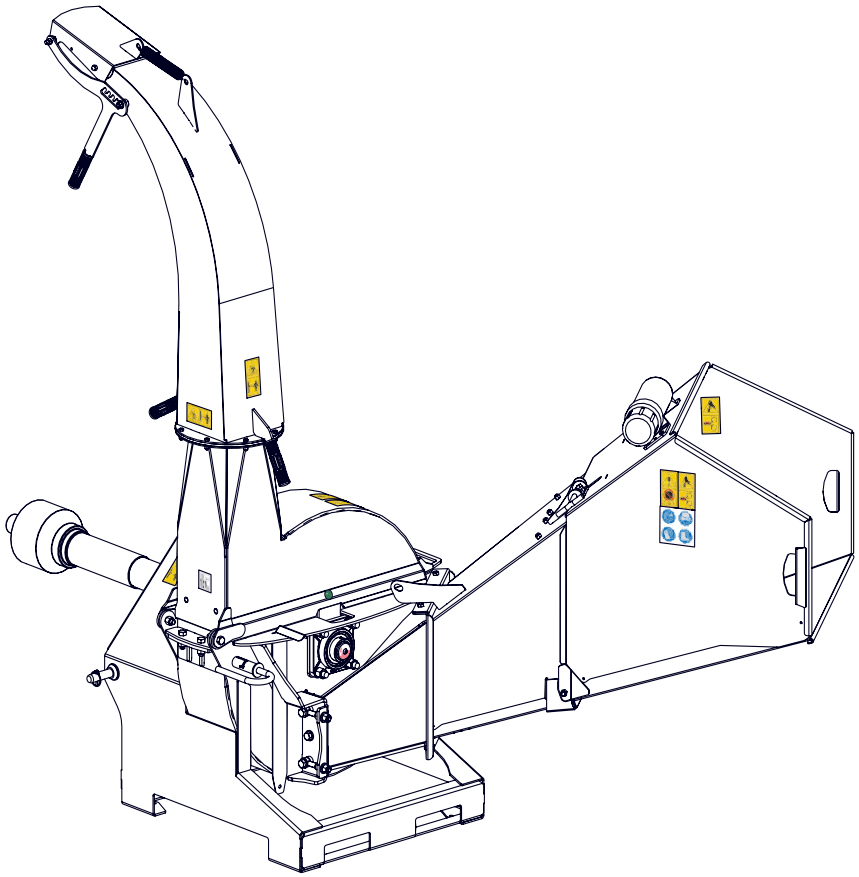
WALLENSTEIN

EMB Manufacturing Inc.
4144 Boomer Line · St. Clements, Ontario · N0B 2M0 · Canada
www.wallensteinequipment.com

PARTS MANUAL

BX102S
3 PH Self-Feed Chipper

Serial Number 1102S00001 & up



Refer to the operators manual for safe operation and maintenance

CE

Revision A1 Oct-2017

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⚠ WARNING!

Refer to the operators manual for safe operation and maintenance.

Maintenance should be performed by trained personnel only.

Foreword

EMB Manufacturing has prepared this parts manual to assist customers in ordering quality OEM replacement parts.

Regular maintenance, and replacing old, worn or broken parts with the correct OEM parts, are essential to prolonging the life of your EMB product. Please refer to this manual to identify replacement parts.

To order parts, please contact your dealer for further information. If your dealer is no longer available please go to our website: http://www.wallensteinequipment.com and click on the Dealer Locator to find the nearest dealer.

All information contained in this parts manual is current as per the revision date at the bottom of the page. EMB reserves the right to change product specifications at any time without notice.

If your product specifications differ from those contained in this manual, contact EMB Manufacturing for information.

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Bolt Torque

Checking Bolt Torque

The tables shown give correct torque values for various bolts and capscrews. Tighten all bolts to the torque values specified in the table, unless indicated otherwise. Check tightness of bolts periodically.

IMPORTANT! If replacing hardware, use fasteners of the same grade.

IMPORTANT! Torque figures indicated in the table are for non-greased or non-oiled threads. Do not grease or oil threads unless indicated otherwise. When using a thread locker, increase torque values by 5%.

NOTE: Bolt grades are identified by their head markings.

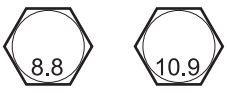
Imperial Bolt Torque Specifications

Bolt Diameter	Torque Value					
	SAE Gr. 2		SAE Gr. 5		SAE Gr. 8	
	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m
1/4"	6	8	9	12	12	17
5/16"	10	13	19	25	27	36
3/8"	20	27	33	45	45	63
7/16"	30	41	53	72	75	100
1/2"	45	61	80	110	115	155
9/16"	60	95	115	155	165	220
5/8"	95	128	160	215	220	305
3/4"	165	225	290	390	400	540
7/8"	170	230	420	570	650	880
1"	225	345	630	850	970	1320

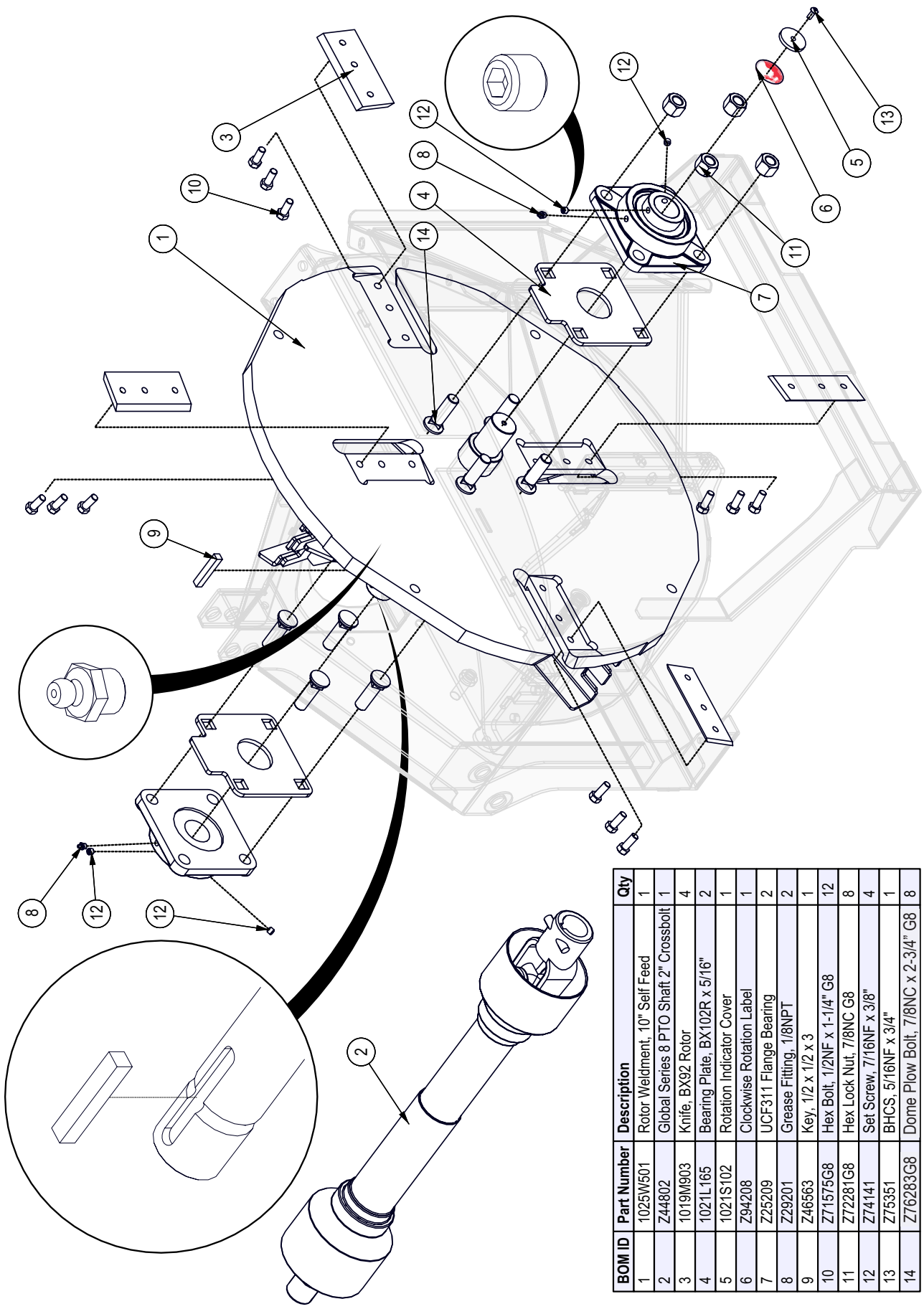


Metric Bolt Torque Specifications

Bolt Diameter	Torque Value			
	Gr. 8.8		Gr. 10.9	
	lbf•ft	N•m	lbf•ft	N•m
M3	0.4	0.5	1.3	1.8
M4	2.2	3	3.3	4.5
M6	7	10	11	15
M8	18	25	26	35
M10	37	50	52	70
M12	66	90	92	125
M16	166	225	229	310
M20	321	435	450	610
M30	1,103	1 495	1,550	2 100
M36	1,917	2 600	2,700	3 675

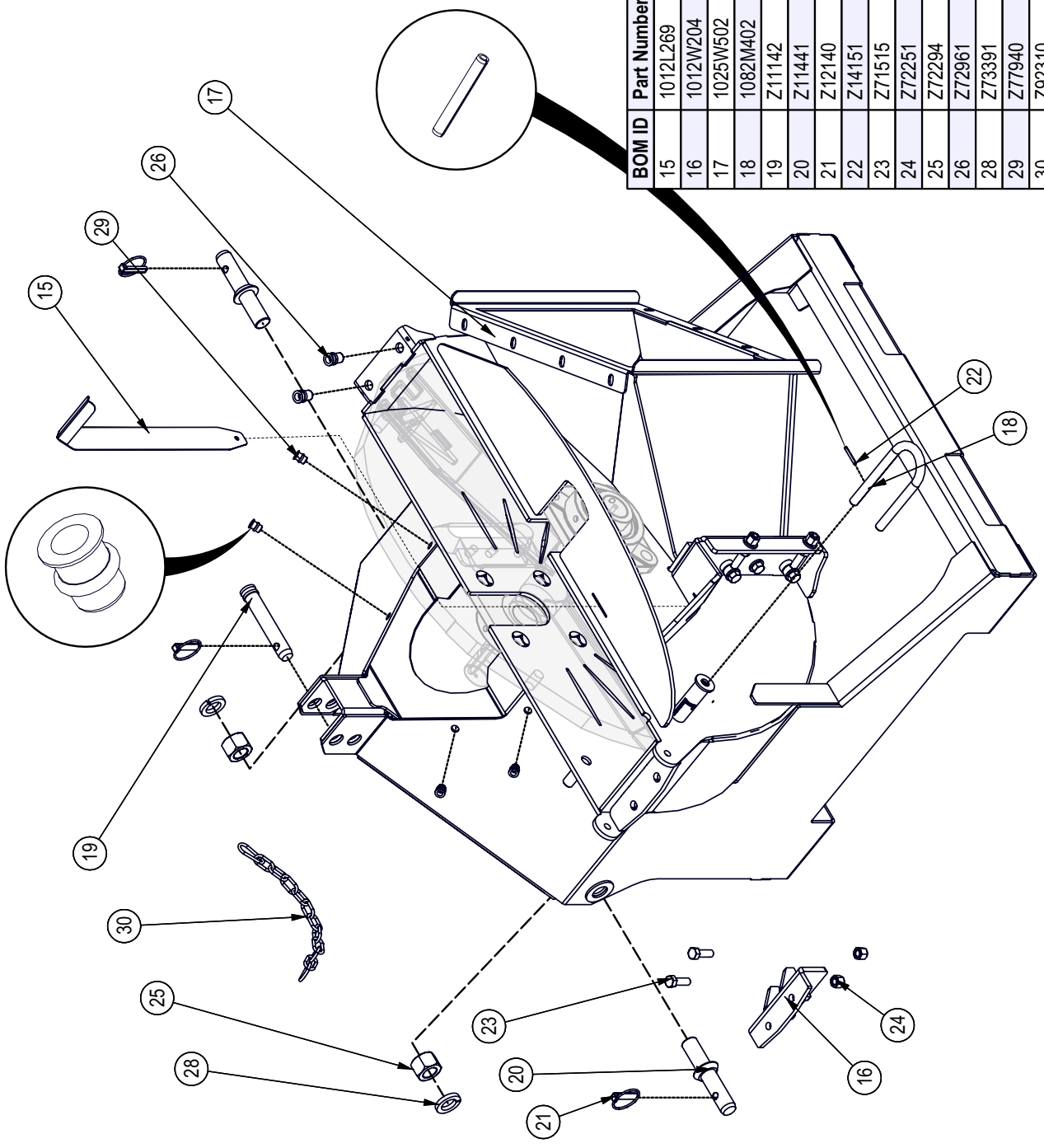


Rotor Assembly



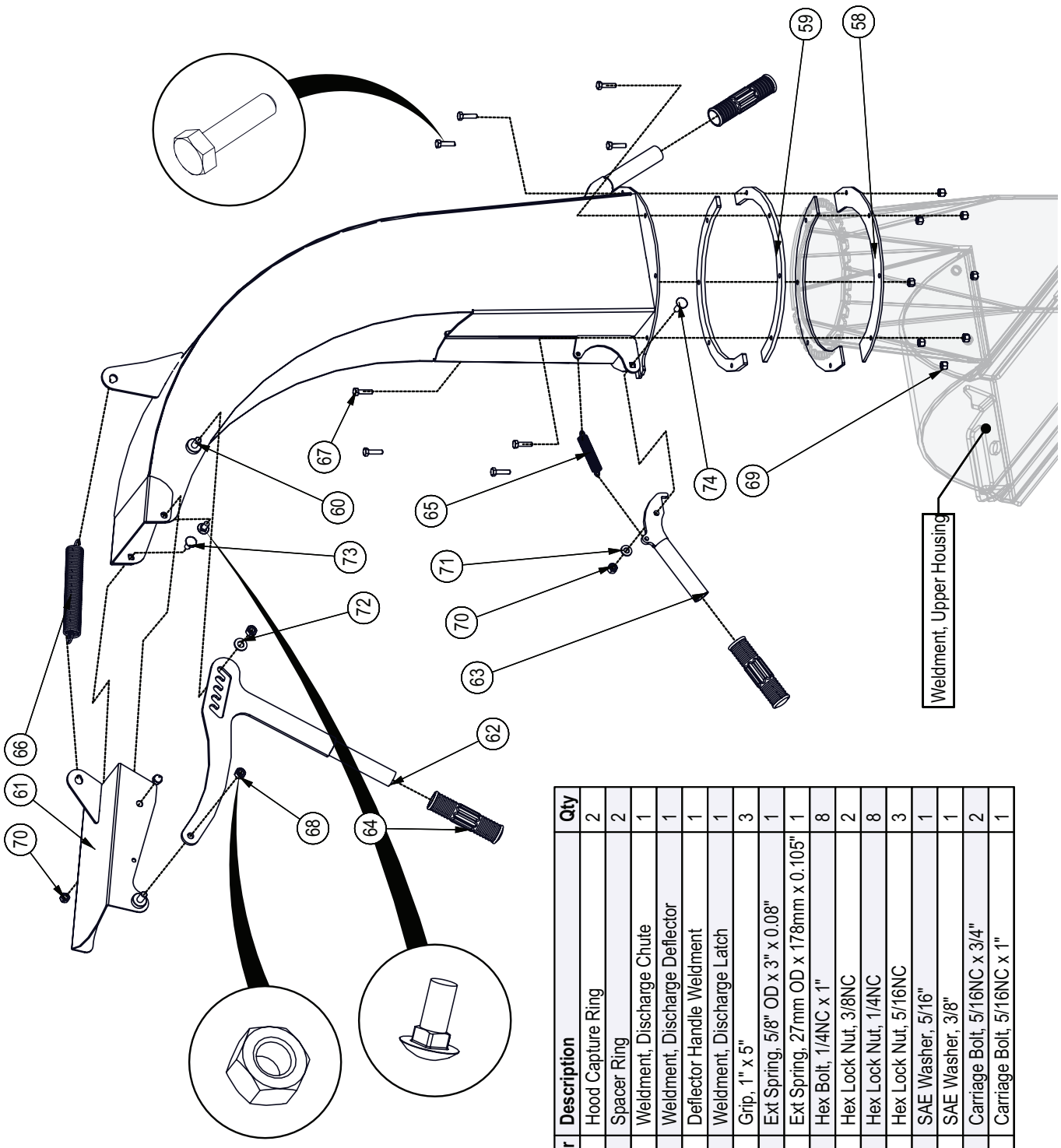
BOM ID	Part Number	Description	Qty
1	1025W501	Rotor Weldment, 10" Self Feed	1
2	Z44802	Global Series 8 PTO Shaft 2" Crossbolt	1
3	1019M903	Knife, BX92 Rotor	4
4	1021L165	Bearing Plate, BX102R x 5/16"	2
5	1021S102	Rotation Indicator Cover	1
6	Z94208	Clockwise Rotation Label	1
7	Z25209	UCF311 Flange Bearing	2
8	Z29201	Grease Fitting, 1/8NPT	2
9	Z46563	Key, 1/2 x 1/2 x 3	1
10	Z71575G8	Hex Bolt, 1/2NF x 1-1/4" G8	12
11	Z72281G8	Hex Lock Nut, 7/8NC G8	8
12	Z74141	Set Screw, 7/16NF x 3/8"	4
13	Z75351	BHCS, 5/16NF x 3/4"	1
14	Z76283G8	Dome Plow Bolt, 7/8NC x 2-3/4" G8	8

Lower Rotor Housing



BOM ID	Part Number	Description	Qty
15	1012L269	Gauge, Ledger Setting	1
16	1012W204	Twig Breaker	1
17	1025W502	Lower Housing Weldment	1
18	1082M402	Locking Plunger	1
19	Z11142	Toplink Pin, 1" x 4-5/16"	1
20	Z11441	Implement Pin, 1-1/8" x 1-3/4" x 1-1/8NF	2
21	Z12140	Lynch Pin, 7/16"	3
22	Z14151	Roll Pin, 3/16" x 1-1/2"	1
23	Z71515	Hex Bolt, 1/2NC x 1-1/2"	2
24	Z72251	Hex Lock Nut, 1/2NC	2
25	Z72294	Hex Lock Nut, 1-1/8NF	2
26	Z72961	Rivet Nut, 1/2NC x 350	2
28	Z73391	Split Lock Washer, 1-1/8"	2
29	Z77940	Rivet Nut, M10x1.5 x 313	4
30	Z92310	PTO Support Chain, 3/16" x 1ft with Two Snaps	1

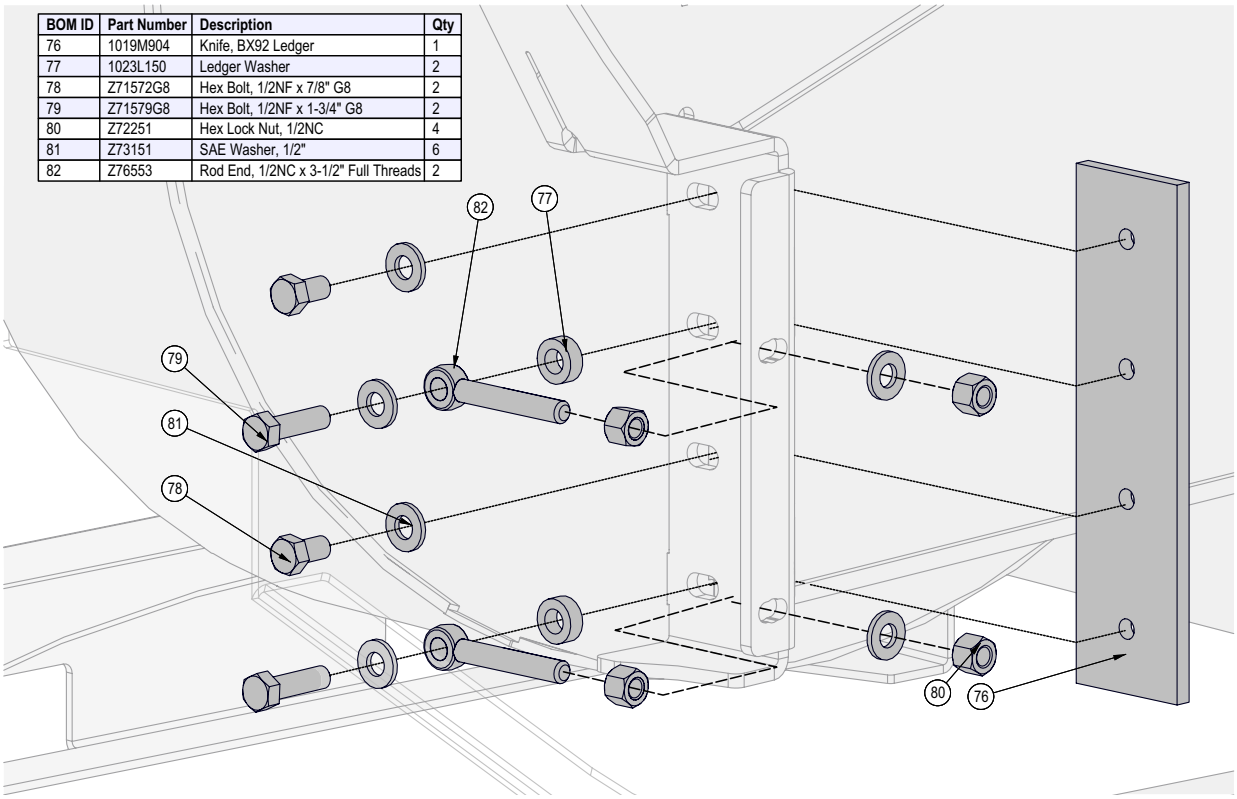
Feed Chute



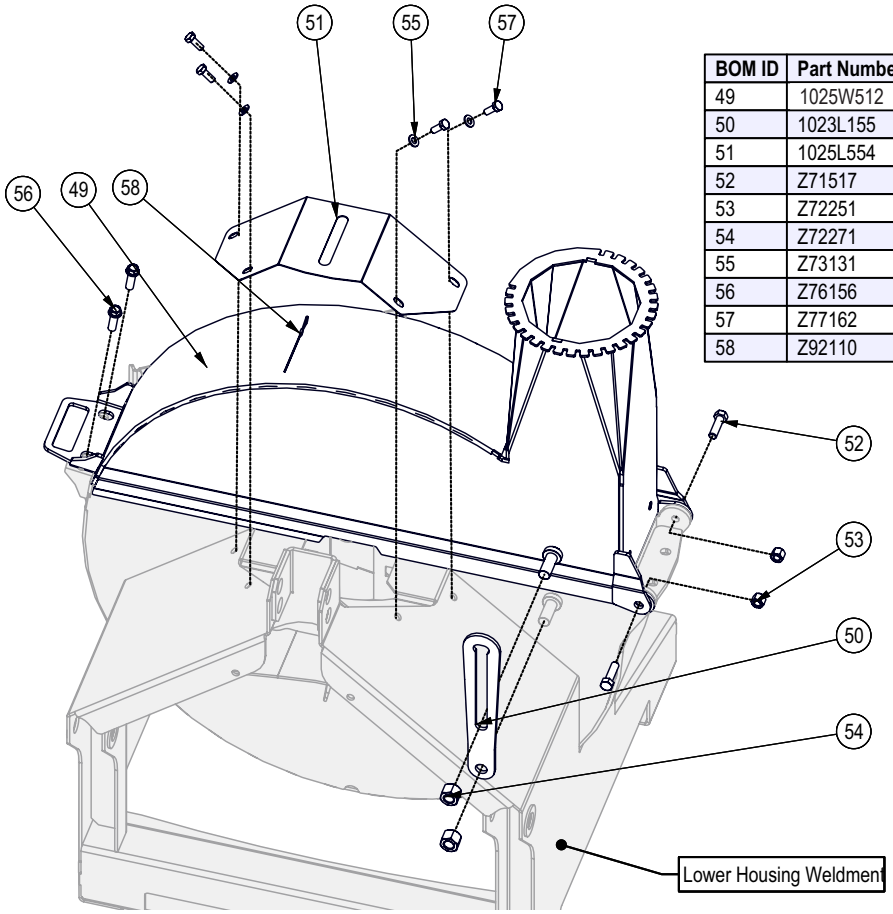
BOM ID	Part Number	Description	Qty
58	1023L291	Hood Capture Ring	2
59	1023L292	Spacer Ring	2
60	1023W223	Weldment, Discharge Chute	1
61	1023W224	Weldment, Discharge Deflector	1
62	1023W226	Deflector Handle Weldment	1
63	1024W108	Weldment, Discharge Latch	1
64	Z19321	Grip, 1" x 5"	3
65	Z31305	Ext Spring, 5/8" OD x 3" x 0.08"	1
66	Z31403	Ext Spring, 27mm OD x 178mm x 0.105"	1
67	Z71110	Hex Bolt, 1/4NC x 1"	8
68	Z72231	Hex Lock Nut, 3/8NC	2
69	Z72211	Hex Lock Nut, 1/4NC	8
70	Z72221	Hex Lock Nut, 5/16NC	3
71	Z73122	SAE Washer, 5/16"	1
72	Z73131	SAE Washer, 3/8"	1
73	Z76221	Carriage Bolt, 5/16NC x 3/4"	2
74	Z76225	Carriage Bolt, 5/16NC x 1"	1

Ledger Knife Detail

BOM ID	Part Number	Description	Qty
76	1019M904	Knife, BX92 Ledger	1
77	1023L150	Ledger Washer	2
78	Z71572G8	Hex Bolt, 1/2NF x 7/8" G8	2
79	Z71579G8	Hex Bolt, 1/2NF x 1-3/4" G8	2
80	Z72251	Hex Lock Nut, 1/2NC	4
81	Z73151	SAE Washer, 1/2"	6
82	Z76553	Rod End, 1/2NC x 3-1/2" Full Threads	2



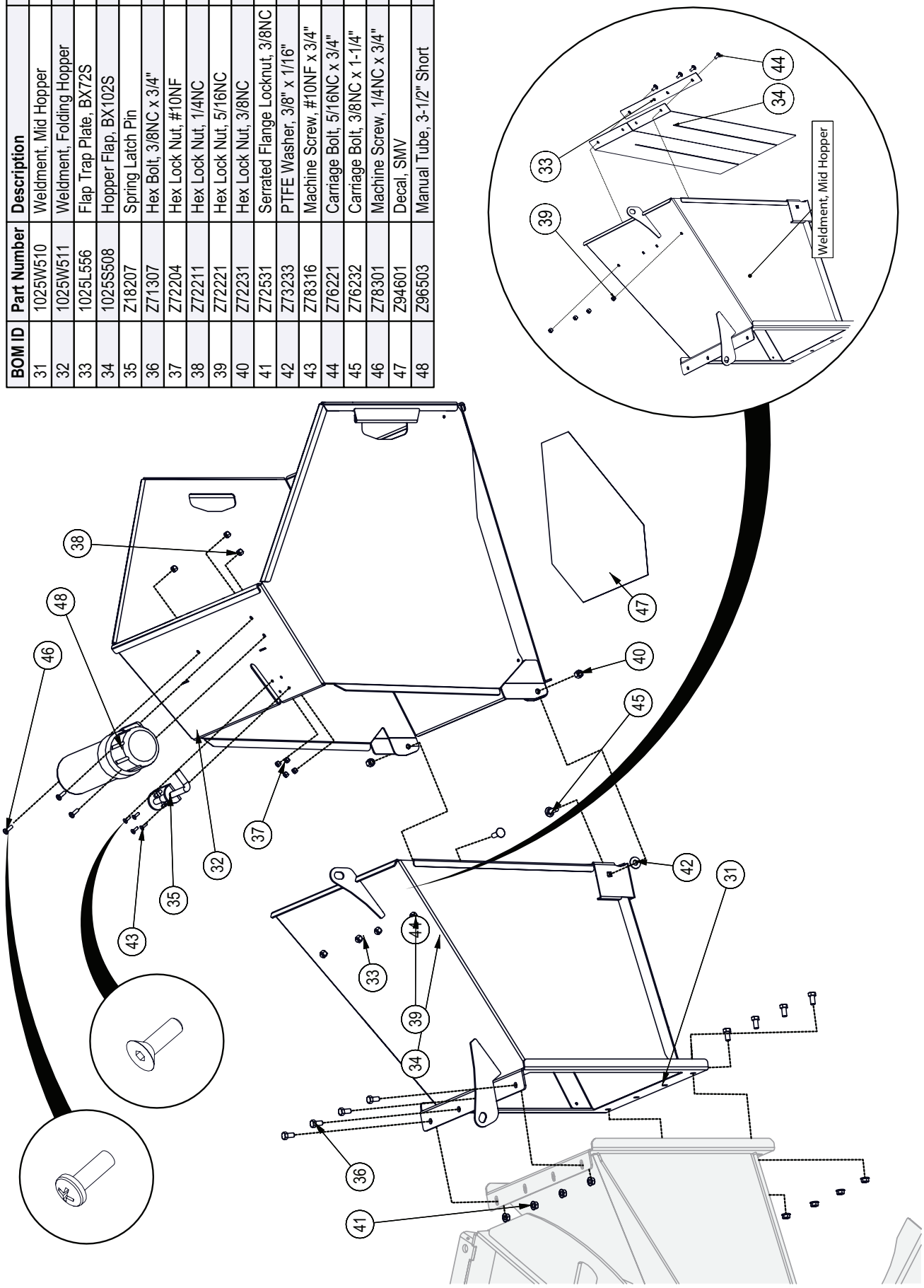
Upper Rotor Housing



BOM ID	Part Number	Description	Qty
49	1025W512	Weldment, Upper Housing	1
50	1023L155	Rotation Stop	1
51	1025L554	PTO Guard	1
52	Z71517	Hex Bolt, 1/2NC x 1-3/4"	2
53	Z72251	Hex Lock Nut, 1/2NC	2
54	Z72271	Hex Lock Nut, 3/4NC	2
55	Z73131	SAE Washer, 3/8"	4
56	Z76156	Flange Bolt, 1/2NC x 1-1/2"	2
57	Z77162	Hex Bolt, M10x1.5 x 25mm	4
58	Z92110	Aircraft Cable, 1/16" x 24"	1

Discharge Chute

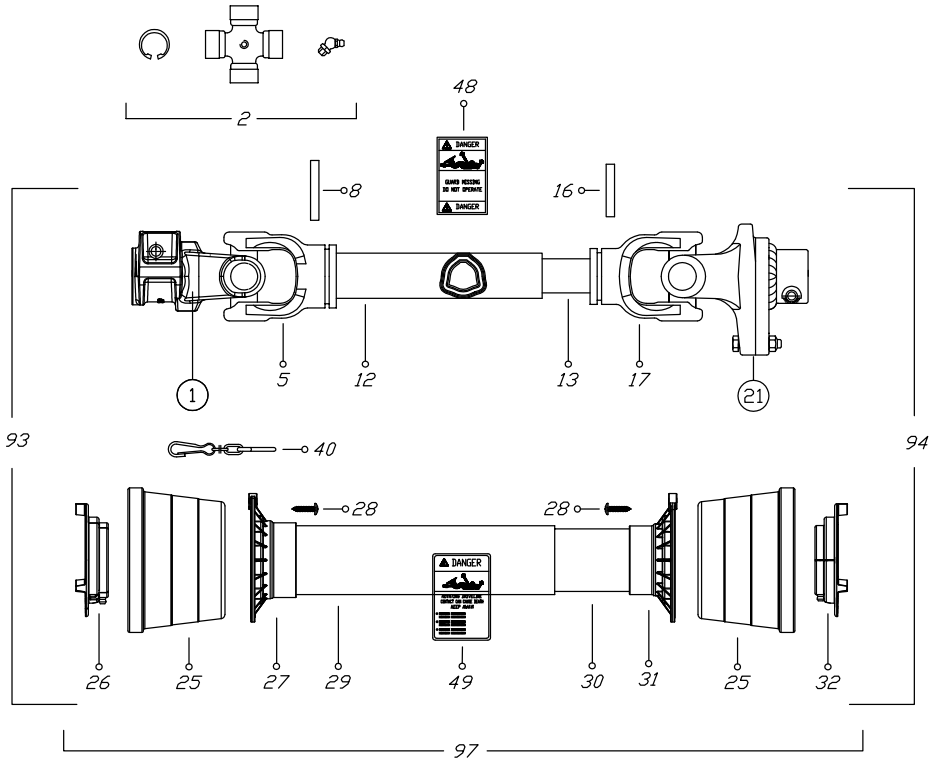
BOM ID	Part Number	Description	Qty
31	1025W510	Weldment, Mid Hopper	1
32	1025W511	Weldment, Folding Hopper	1
33	1025L556	Flap Trap Plate, BX72S	1
34	1025S508	Hopper Flap, BX102S	2
35	Z18207	Spring Latch Pin	1
36	Z71307	Hex Bolt, 3/8NC x 3/4"	8
37	Z72204	Hex Lock Nut, #10NF	4
38	Z72211	Hex Lock Nut, 1/4NC	3
39	Z72221	Hex Lock Nut, 5/16NC	4
40	Z72231	Hex Lock Nut, 3/8NC	2
41	Z72531	Serrated Flange Locknut, 3/8NC	8
42	Z73233	PTFE Washer, 3/8" x 1/16"	2
43	Z78316	Machine Screw, #10NF x 3/4"	4
44	Z76221	Carriage Bolt, 5/16NC x 3/4"	4
45	Z76232	Carriage Bolt, 3/8NC x 1-1/4"	2
46	Z78301	Machine Screw, 1/4NC x 3/4"	3
47	Z94601	Decal, SMV	1
48	Z96503	Manual Tube, 3-1/2" Short	1

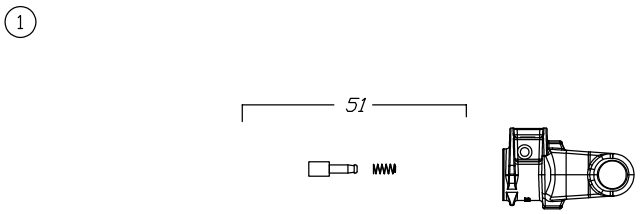


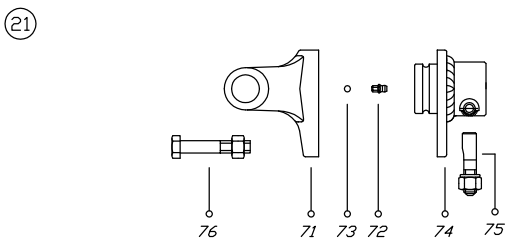
PTO Shaft #Z44802

SPARE PARTS LIST : B8D061US098001

POS.	DESCRIPTION	Q.	RIF. BINACCHI
01	YOKE	1	0800803A60
02	CROSS JOURNAL ASS.	2	08208
05	OUTER TUBE YOKE	1	08080021
08	FLEXIBLE PIN	1	098701075
12	CM. 100 CARDAN TUBE(*)	1	09881544100
13	CM. 100 CARDAN TUBE(*)	1	09881455100
16	FLEXIBLE PIN	1	098701065
17	INNER TUBE YOKE	1	08080011
21	SHEAR BOLT M12X65	1	Z19408 (5 pack)
25	CONE SHIELD BELL 07-08	2	021908C001
26	OUTER BEARING	1	025508C001
27	OUTER BASE CONE 07-08	1	025408C001
28	SCREW	8	0998052242
29	OUTER SAFETY TUBE	1	0988981NB8066
30	INNER SAFETY TUBE	1	0988975NB8066
31	INNER BASE CONE 07-08	1	025408C002
32	INNER BEARING	1	025508C002
40	CHAIN	1	0252000001
48	LABEL DANGER OUTER DRIVE TUBE	1	09872006
49	EXTERNAL SHIELD LABEL	1	09872003
51	COMPLETE PUSH BUTTTON	1	0986014060
71	YOKE FOR LB8	1	088608553
72	GREASE NIPPLE	1	0984010150
73	STEEL BALL	24	098680516
74	HUB	1	08868P70
75	CONIC SCREW	1	0408000061
76	NUT AND BOLT M12 x 65	1	Z19408
93	OUTER HALF SHAFT	1	B8061US2
94	INNER HALF SHAFT	1	B8061US1098001
97	SAFETY GUARD	1	083US08061





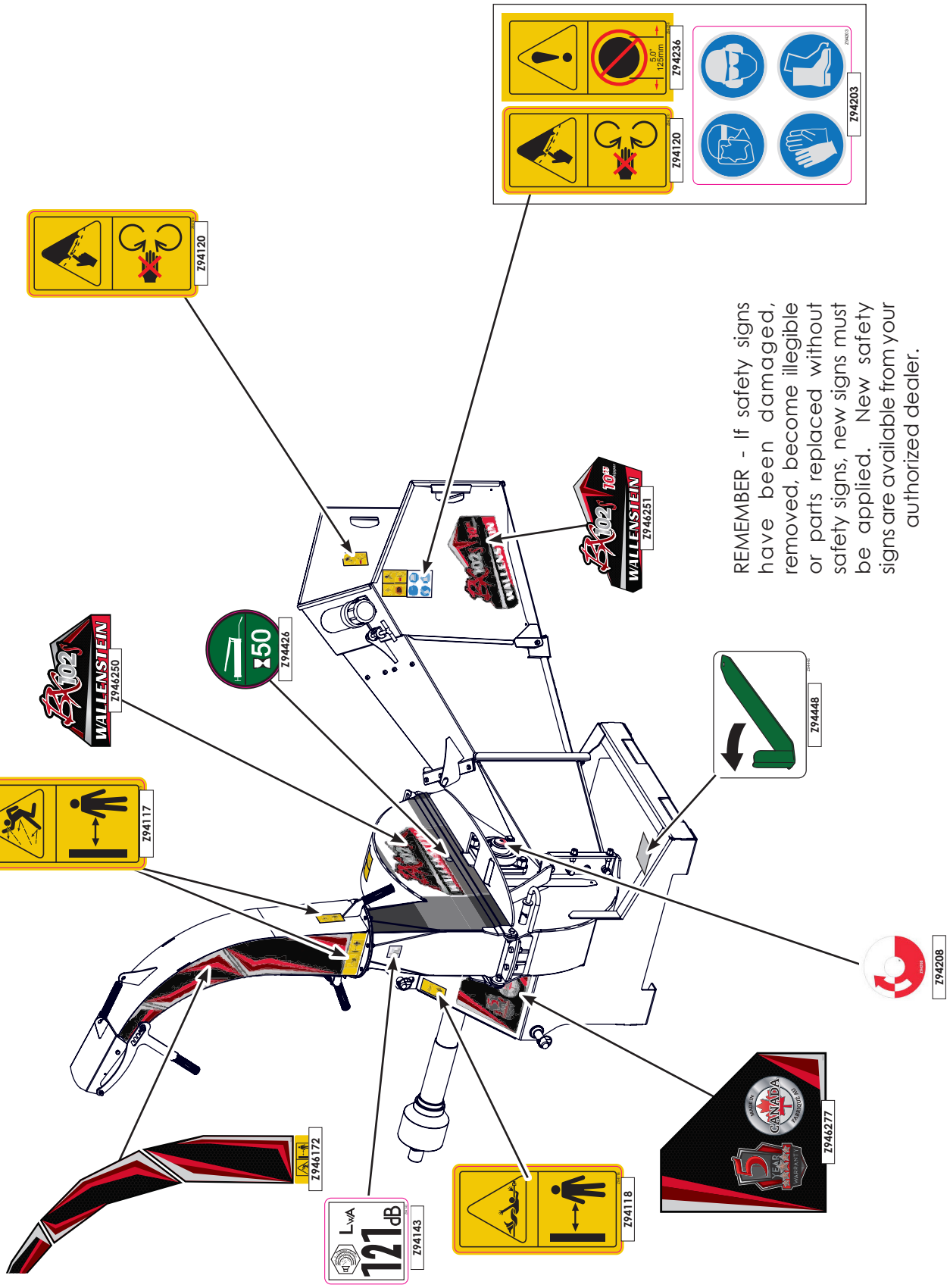


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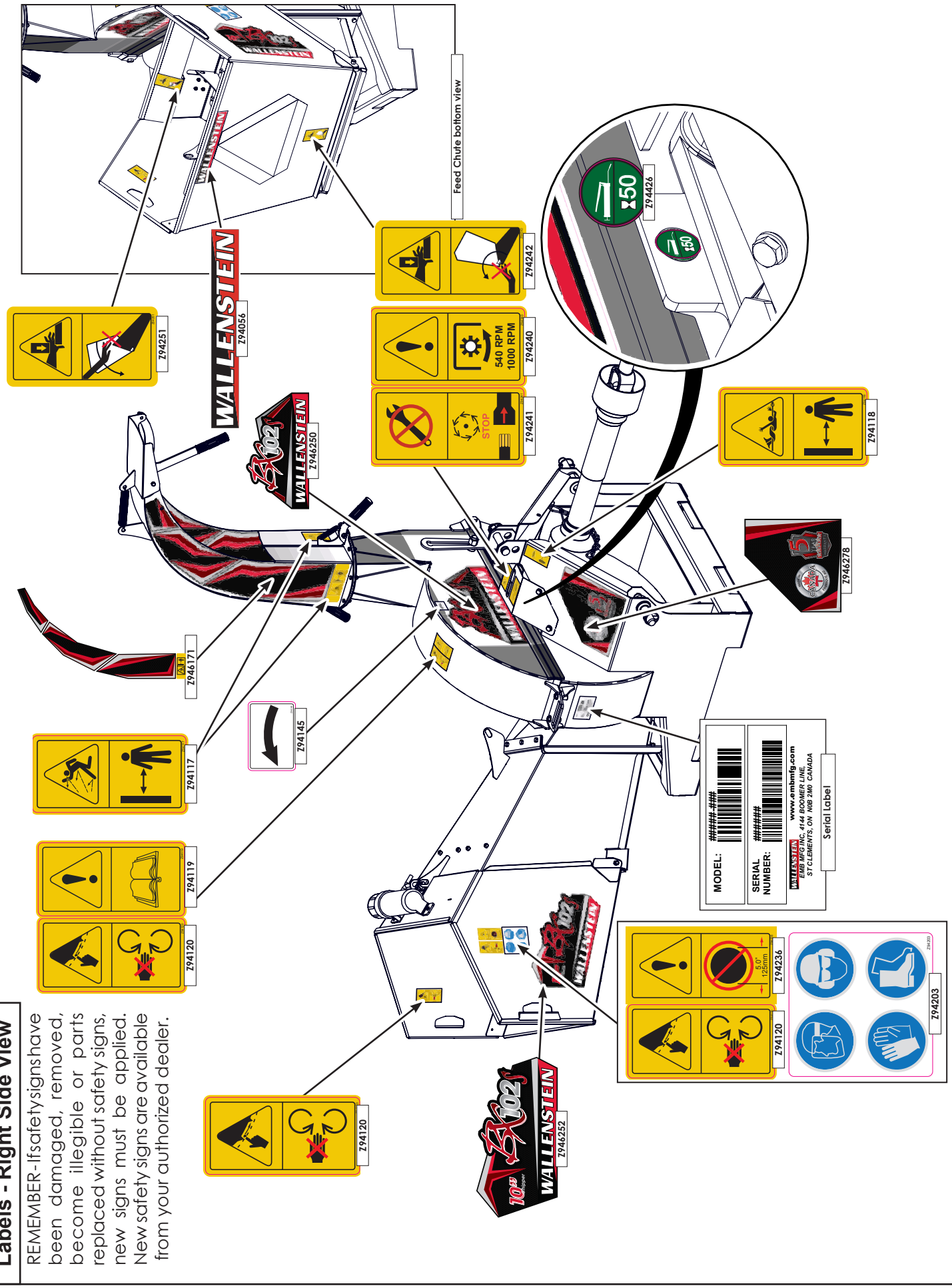
Labels - Left Side View



REMEMBER - If safety signs have been damaged, removed, become illegible or parts replaced without safety signs, new signs must be applied. New safety signs are available from your authorized dealer.

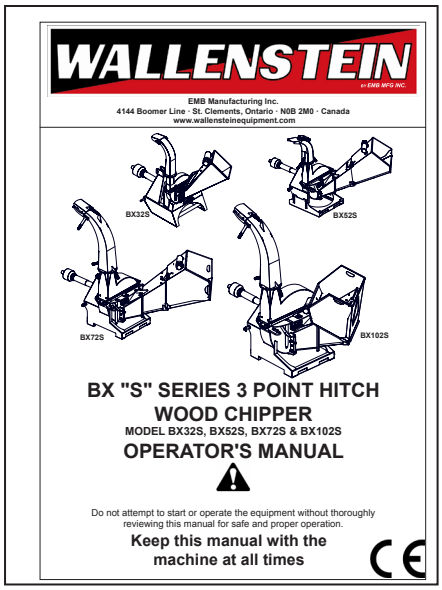
Labels - Right Side View

REMEMBER-If safety signs have been damaged, removed, become illegible or parts replaced without safety signs, new signs must be applied. New safety signs are available from your authorized dealer.



Accessories

Call your dealer for pricing and availability



#Z97085
BX "S" SERIES 3 POINT HITCH
WOOD CHIPPER
OPERATOR'S MANUAL

Available as a download at
www.wallensteinequipment.com