

WALLENSTEIN

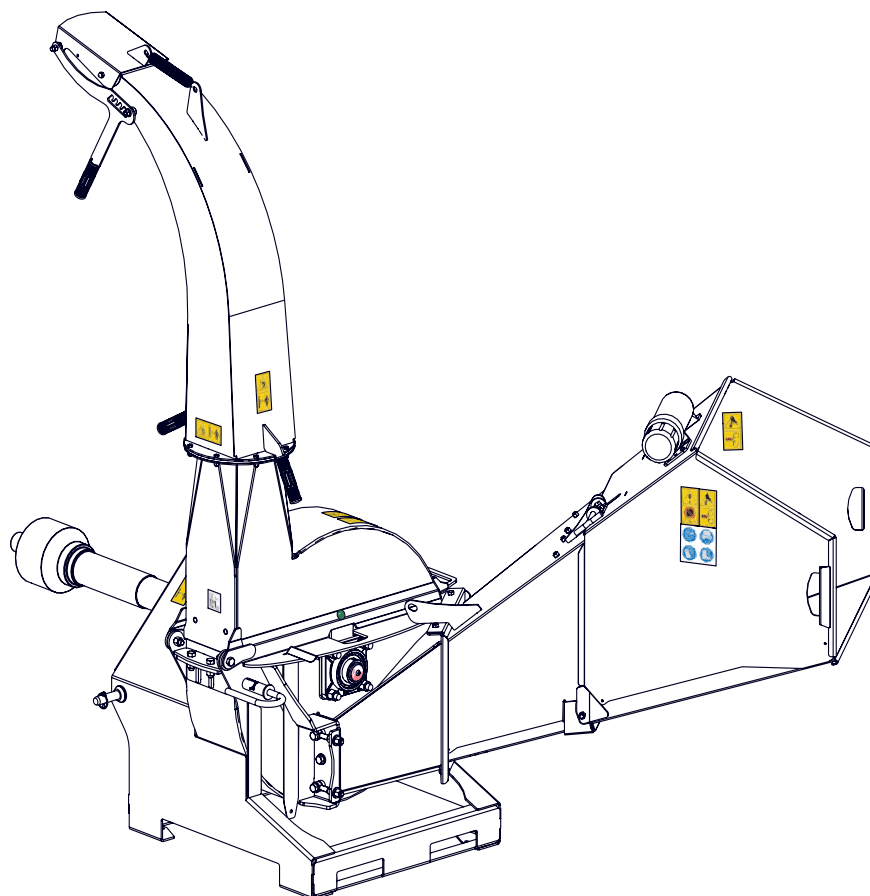
EMB Manufacturing Inc.
4144 Boomer Line · St. Clements, Ontario · N0B 2M0 · Canada
www.wallensteinequipment.com

PARTS MANUAL

BX72S

3 PH Self-Feed Chipper

Serial Number 172S00001 & up



CE



Refer to the operators manual for safe
operation and maintenance

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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, is essential in prolonging the life of your EMB product. Please refer to this manual to identify replacement parts.

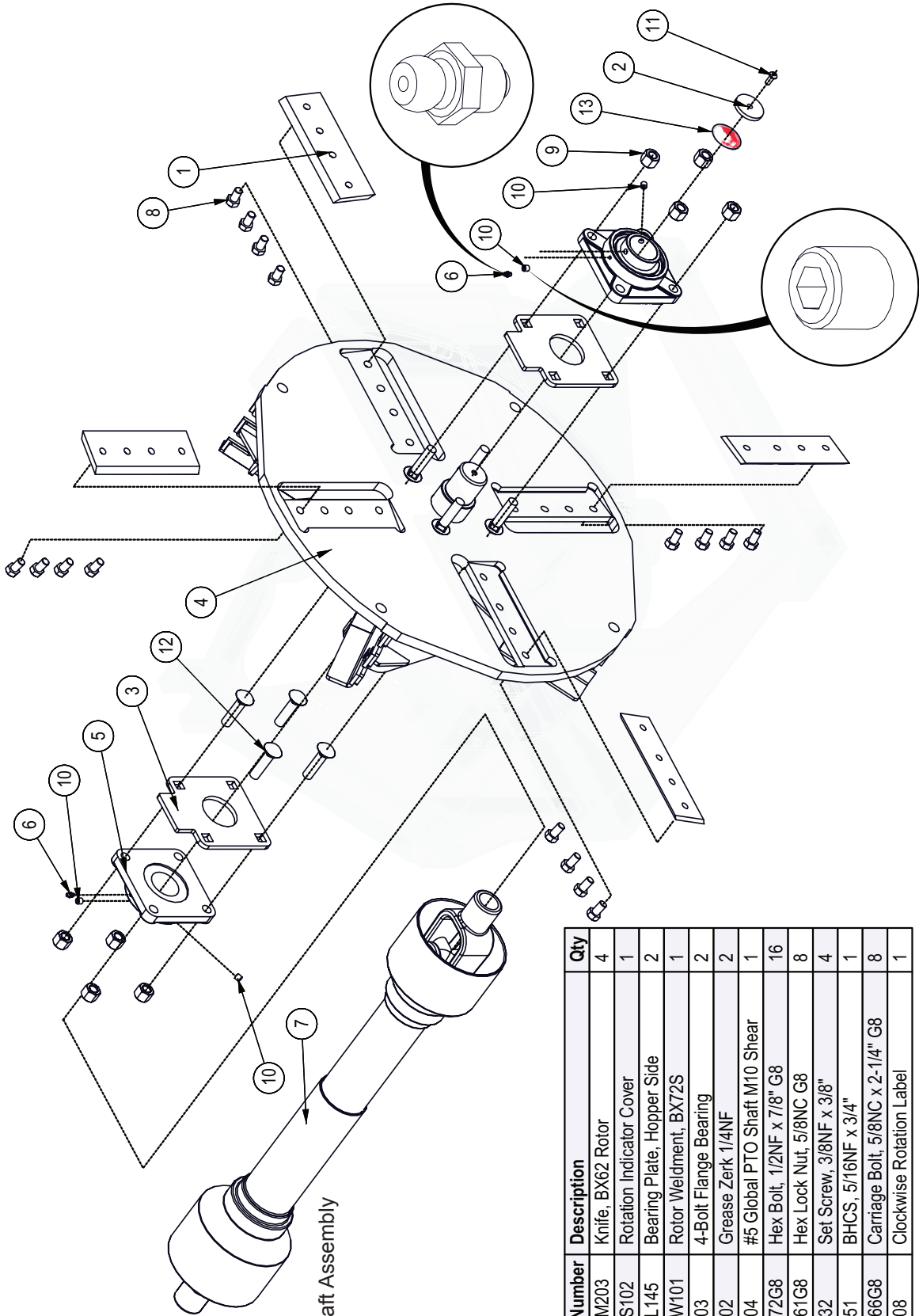
To order parts, please contact your dealer for further information. If your dealer is no longer available please go to our website: <http://www.wallensteinequipment.com> and click on the [Dealer Locator](#) to find the nearest dealer.

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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Rotor Assembly



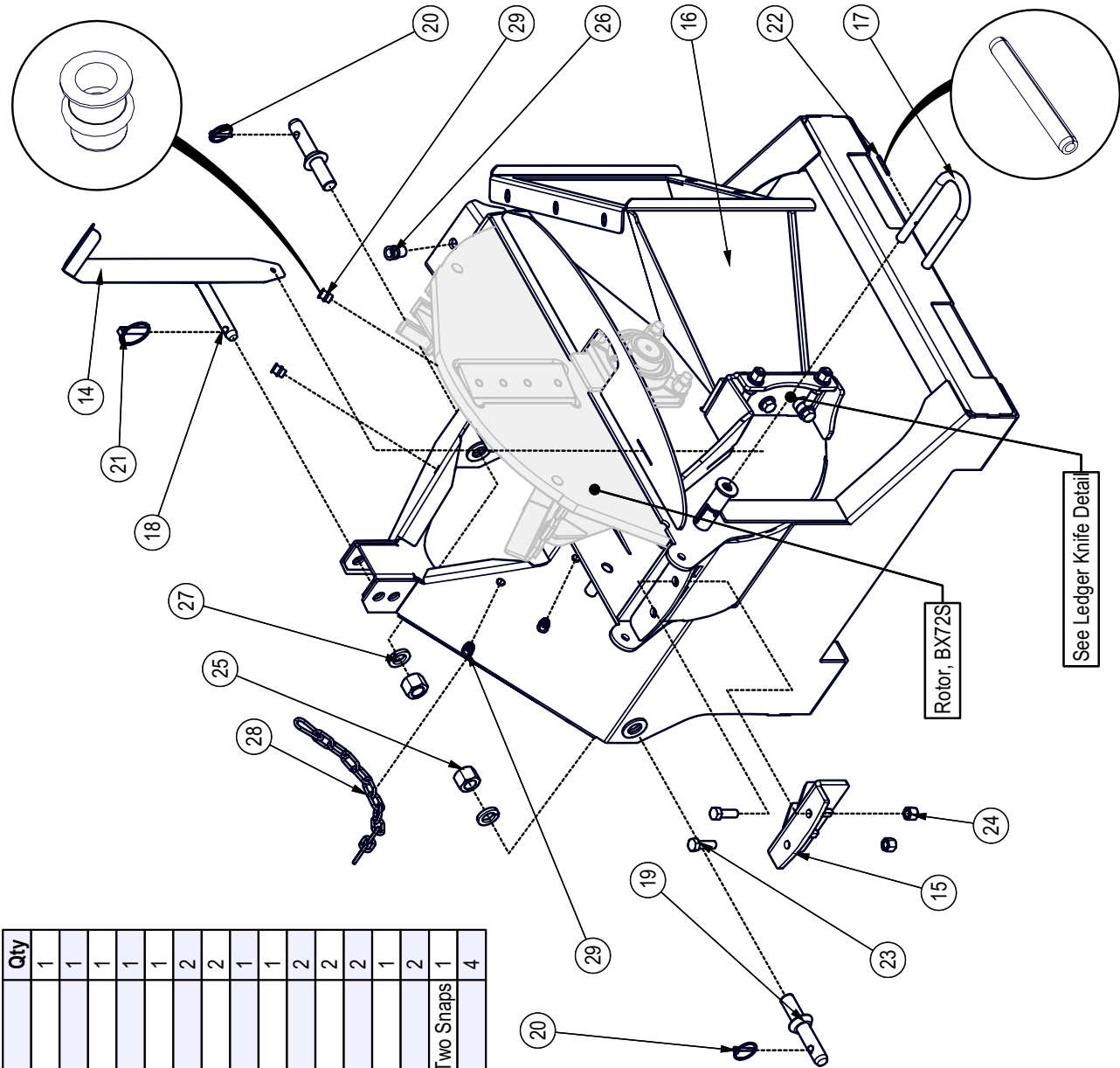
See PTO Shaft Assembly
on page 9

BOM ID	Part Number	Description	Qty
1	1012M203	Knife, BX62 Rotor	4
2	1021S102	Rotation Indicator Cover	1
3	1023L145	Bearing Plate, Hopper Side	2
4	1025W101	Rotor Weldment, BX72S	1
5	Z25203	4-Bolt Flange Bearing	2
6	Z29202	Grease Zerk 1/4NF	2
7	Z44504	#5 Global PTO Shaft M10 Shear	1
8	Z71572G8	Hex Bolt, 1/2NF x 7/8" G8	16
9	Z72261G8	Hex Lock Nut, 5/8NC G8	8
10	Z74132	Set Screw, 3/8NF x 3/8"	4
11	Z75351	BHCS, 5/16NF x 3/4"	1
12	Z76266G8	Carriage Bolt, 5/8NC x 2-1/4" G8	8
13	Z94208	Clockwise Rotation Label	1

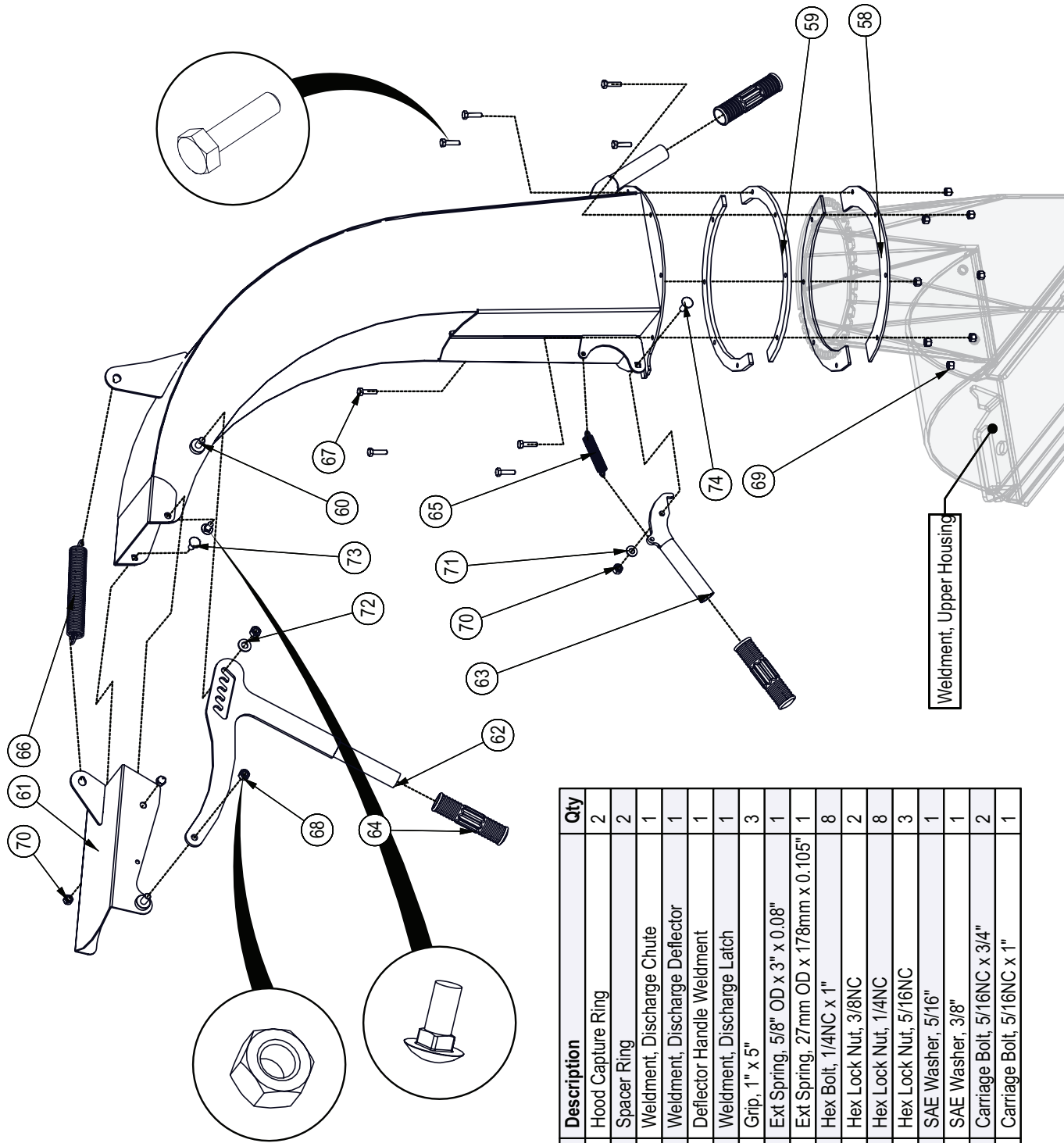
ECN0390

Lower Rotor Housing

BOM ID	Part Number	Description	Qty
14	1012L269	Gauge, Ledger Setting	1
15	1012W204	Twig Breaker	1
16	1025W102	Lower Housing Weldment	1
17	1082M402	Locking Plunger	1
18	Z11122	Toplink Pin, 3/4" x 3-7/8"	1
19	Z11431	Implement Pin, 7/8" x 1-3/4" x 7/8NF	2
20	Z12110	Lynch Pin, 3/16"	2
21	Z12140	Lynch Pin, 7/16"	1
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	Z72282	Hex Lock Nut, 7/8NF	2
26	Z72961	Rivet Nut, 1/2NC x 350	1
27	Z73381	Split Lock Washer, 7/8"	2
28	Z92310	PTO Support Chain, 3/16" x 1ft with Two Snaps	1
29	Z77940	Rivet Nut, M10x1.5 x 313	4

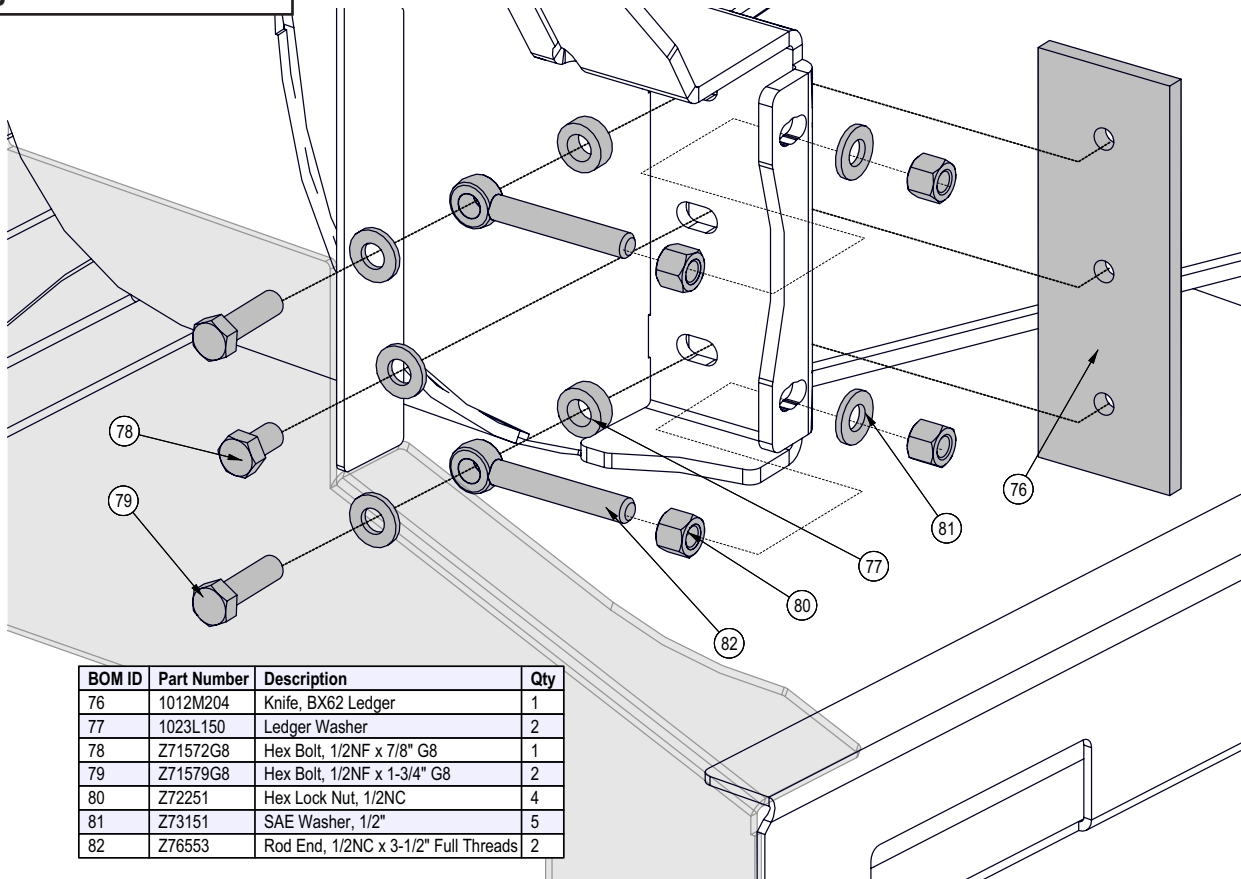


Discharge Chute



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

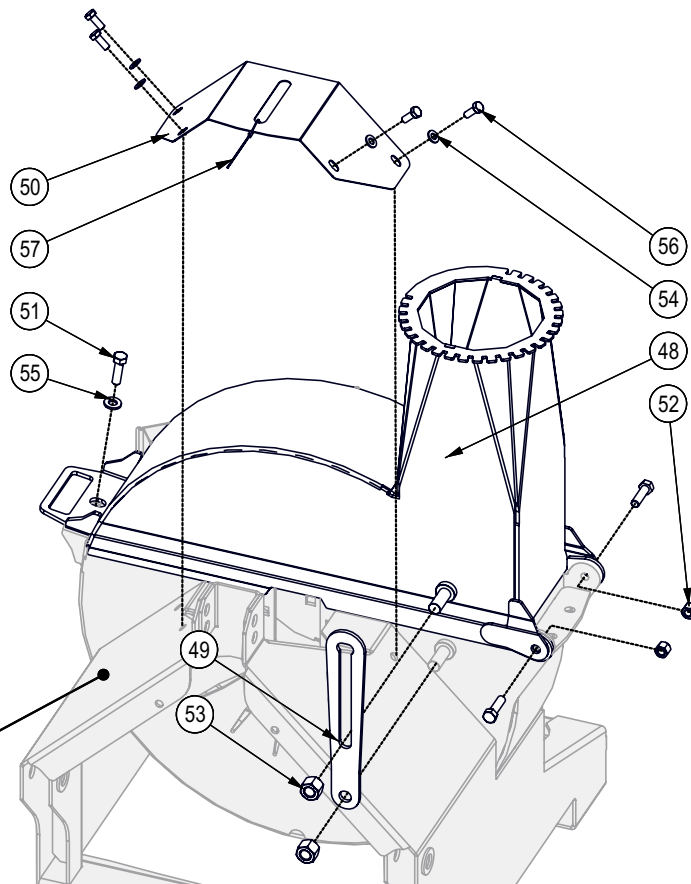
Ledger Knife Detail



Upper Rotor Housing

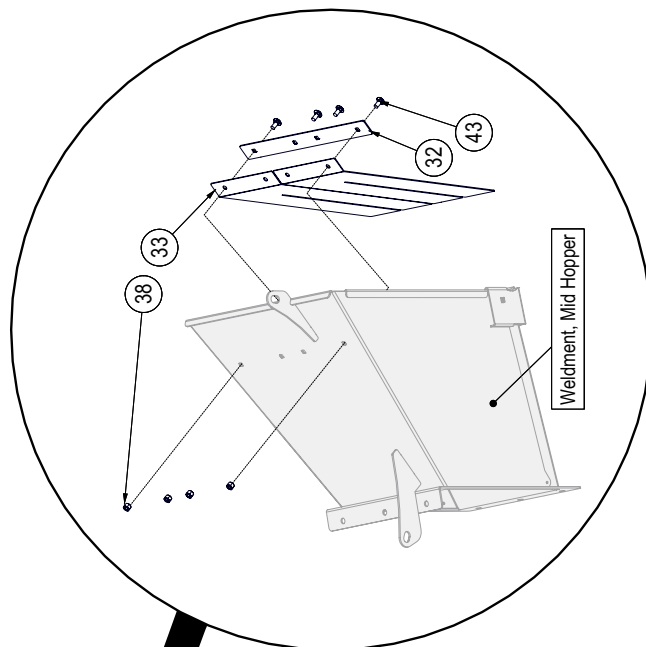
BOM ID	Part Number	Description	Qty
48	1025W112	Weldment, Upper Housing	1
49	1023L155	Rotation Stop	1
50	1024L154	PTO Guard	1
51	Z71517	Hex Bolt, 1/2NC x 1-3/4"	3
52	Z72251	Hex Lock Nut, 1/2NC	2
53	Z72271	Hex Lock Nut, 3/4NC	2
54	Z73131	SAE Washer, 3/8"	4
55	Z73151	SAE Washer, 1/2"	1
56	Z77162	Hex Bolt, M10x1.5 x 25mm	4
57	Z92110	Aircraft Cable, 1/16" x 24"	1

Lower Housing Weldmen

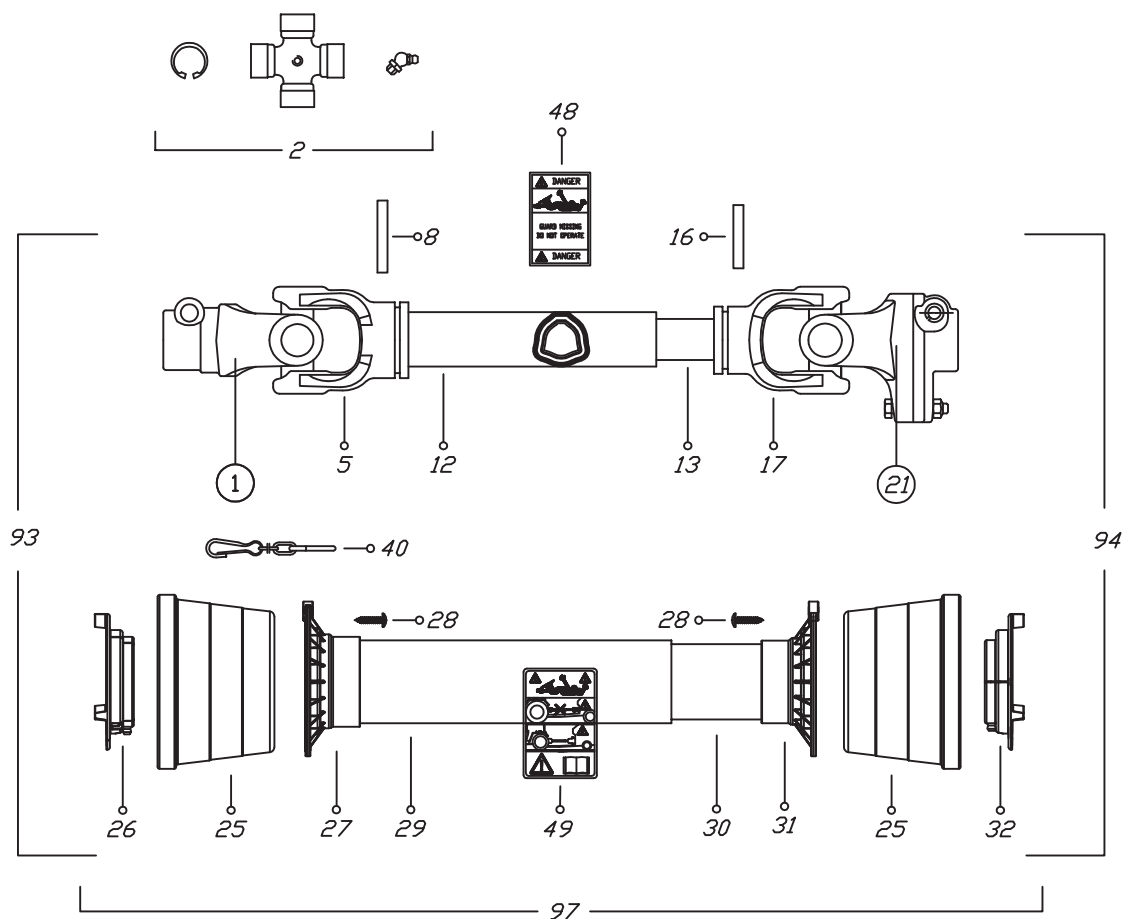


This diagram illustrates the assembly of the lower housing weldment. It shows the main housing structure (30) with various internal components and fasteners. Key parts include the lower housing weldment (35), the lower housing (36), and the lower housing cover (37). The diagram also shows the lower housing (38) and the lower housing (39). The lower housing (40) is shown with the lower housing (41) and the lower housing (42). The lower housing (43) is shown with the lower housing (44) and the lower housing (45). The lower housing (46) is shown with the lower housing (47) and the lower housing (48). The lower housing (49) is shown with the lower housing (50) and the lower housing (51). The lower housing (52) is shown with the lower housing (53) and the lower housing (54). The lower housing (55) is shown with the lower housing (56) and the lower housing (57). The lower housing (58) is shown with the lower housing (59) and the lower housing (60). The lower housing (61) is shown with the lower housing (62) and the lower housing (63). The lower housing (64) is shown with the lower housing (65) and the lower housing (66). The lower housing (67) is shown with the lower housing (68) and the lower housing (69). The lower housing (70) is shown with the lower housing (71) and the lower housing (72). The lower housing (73) is shown with the lower housing (74) and the lower housing (75). The lower housing (76) is shown with the lower housing (77) and the lower housing (78). The lower housing (79) is shown with the lower housing (80) and the lower housing (81). The lower housing (82) is shown with the lower housing (83) and the lower housing (84). The lower housing (85) is shown with the lower housing (86) and the lower housing (87). The lower housing (88) is shown with the lower housing (89) and the lower housing (90). The lower housing (91) is shown with the lower housing (92) and the lower housing (93). The lower housing (94) is shown with the lower housing (95) and the lower housing (96). The lower housing (97) is shown with the lower housing (98) and the lower housing (99). The lower housing (100) is shown with the lower housing (101) and the lower housing (102).

BOM ID	Part Number	Description	Qty
30	1025W110	Weldment, Mid Hopper	1
31	1025W111	Weldment, Folding Hopper	1
32	1025L156	Flap Trap Plate, BX72S	1
33	1025S108	Hopper Flap, BX72S	2
35	Z71307	Hex Bolt, 3/8NC x 3/4"	6
36	Z72204	Hex Lock Nut, #10NF	4
37	Z72211	Hex Lock Nut, 1/4NC	3
38	Z72221	Hex Lock Nut, 5/16NC	4
39	Z72231	Hex Lock Nut, 3/8NC	2
40	Z72531	Serrated Flange Locknut, 3/8NC	6
41	Z73233	PTFE Washer, 3/8" x 1/16"	2
42	Z75204	FHCS, #10NF x 5/8"	4
43	Z76221	Carriage Bolt, 5/16NC x 3/4"	4
44	Z76232	Carriage Bolt, 3/8NC x 1-1/4"	2
45	Z78301	Machine Screw, 1/4NC x 3/4"	3
46	Z94601	Decal, SMV	1
47	Z96503	Manual Tube, 3-1/2" Short	1



PTO Shaft Assembly



00112

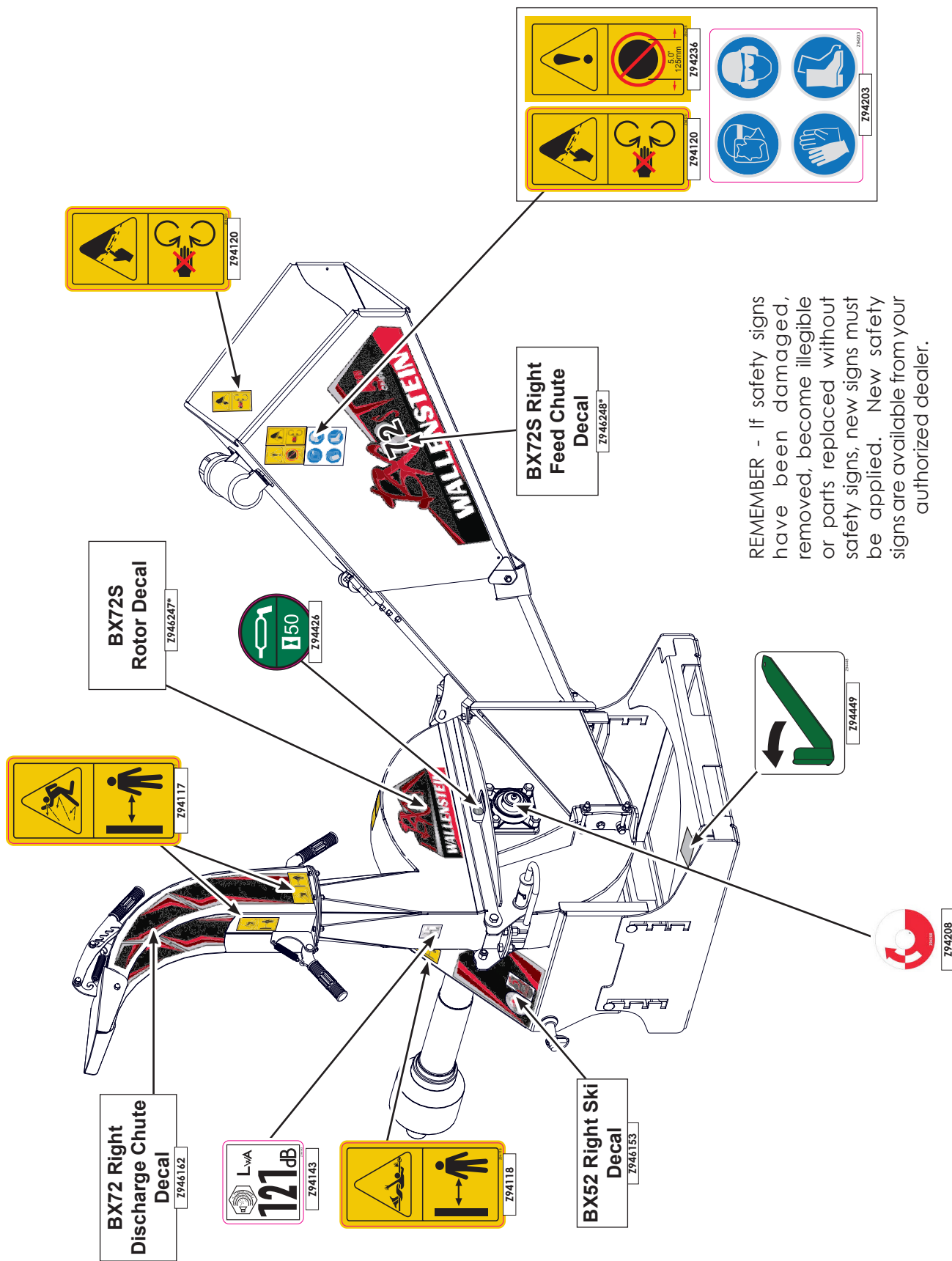
Binacchi SPARE PARTS LIST : B5D056US098001

POS.	DESCRIPTION	Q.	Part #
01	YOKE	1	0800503
02	CROSS JOURNAL ASS.	2	08205
05	OUTER TUBE YOKE	1	08005021
08	FLEXIBLE PIN	1	098701075
12	CM. 100 CARDAN TUBE(*)	1	09881523100
13	CM. 100 CARDAN TUBE(*)	1	09881454100
16	FLEXIBLE PIN	1	0987001065
17	INNER TUBE YOKE	1	08005011
21	SHEAR BOLT YOKE	1	08805A604633
25	CONE SHIELD BELL 05-06	2	021906C001
26	OUTER BEARING 05	1	025505C001
27	OUTER BASE CONE 05-06	1	025406C001
28	SCREW	6	0998052242
29	OUTER SAFETY TUBE	1	0988981NB5056
30	INNER SAFETY TUBE	1	0988975NB5056

Binacchi SPARE PARTS LIST : B5D056US098001

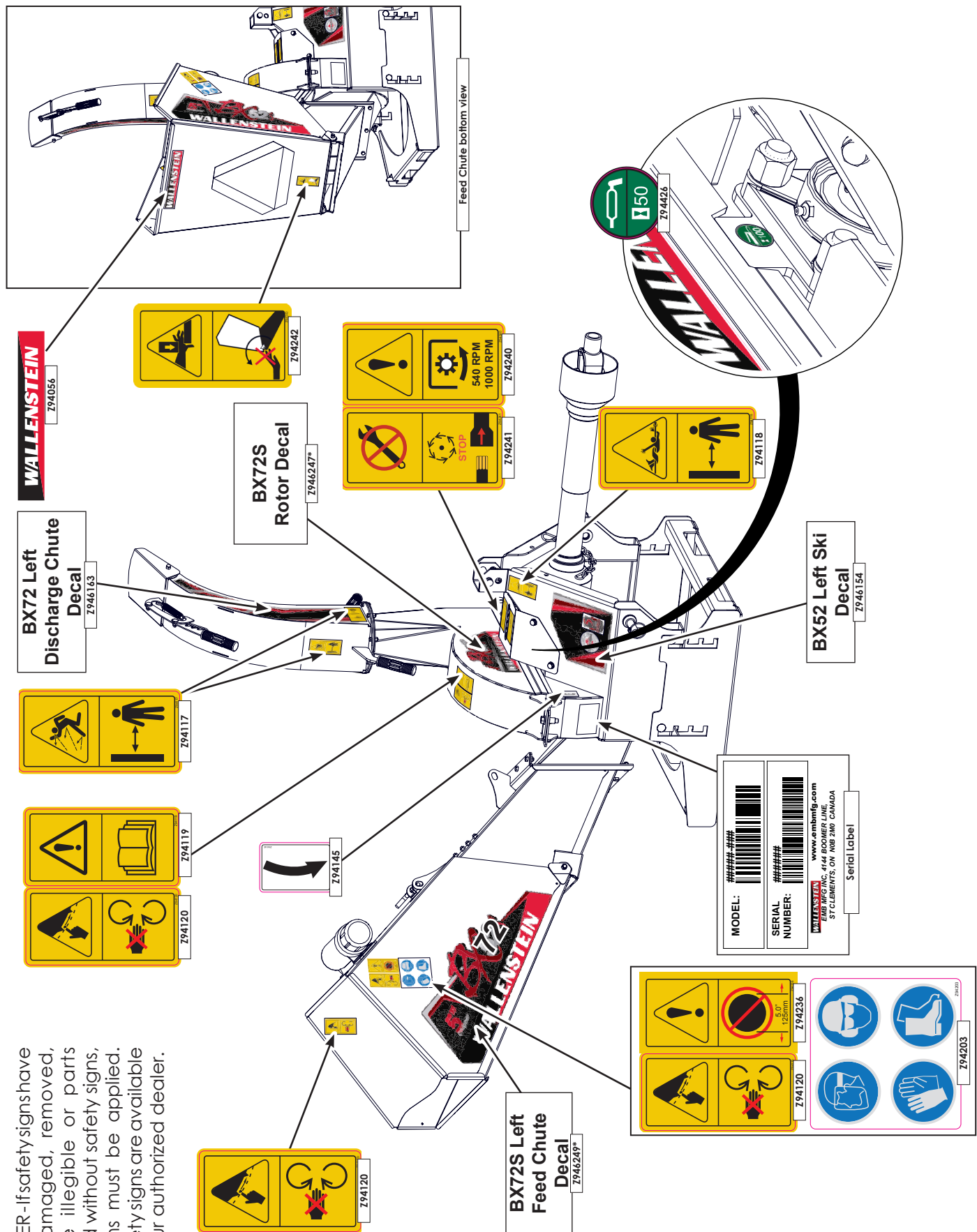
POS.	DESCRIPTION	Q.	Part #
31	INNER BASE CONE 05-06	1	025406C002
32	INNER BEARING 05	1	025505C002
40	CHAIN	1	0252000001
48	LABEL DANGER OUTER DRIVE TUBE	1	09872006
49	EXTERNAL SHIELD LABEL	1	09872003
51	COMPLETE PUSH BUTTTON	1	0986014047
71	YOKE FOR LB5	1	08896905
72	GREASE NIPPLE	1	0984010150
73	STEEL BALL	23	098680104
74	HUB	1	088965A60
75	PUSH PIN SET	1	0986014075
76	SHEAR BOLT AND NUT M10 x 1.5 x 55 10.9	1	Z19407 (Package of 5)
93	OUTER HALF SHAFT	1	B5056US2
94	INNER HALF SHAFT	1	B5056US1098001
97	SAFETY GUARD	1	083US05056

Labels - Left Side View



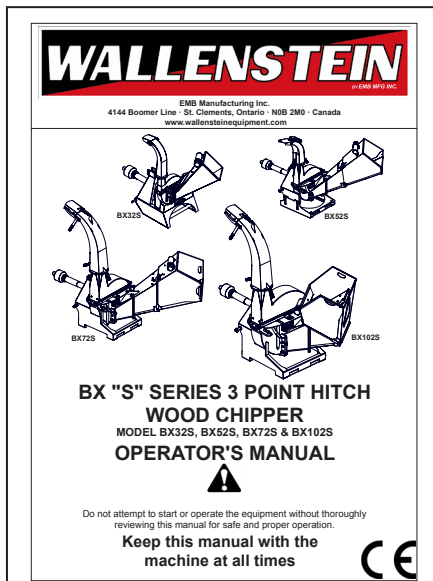
Labels - Right Side View

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

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



SAE Gr. 2



SAE Gr. 5



SAE Gr. 8

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



8.8



10.9