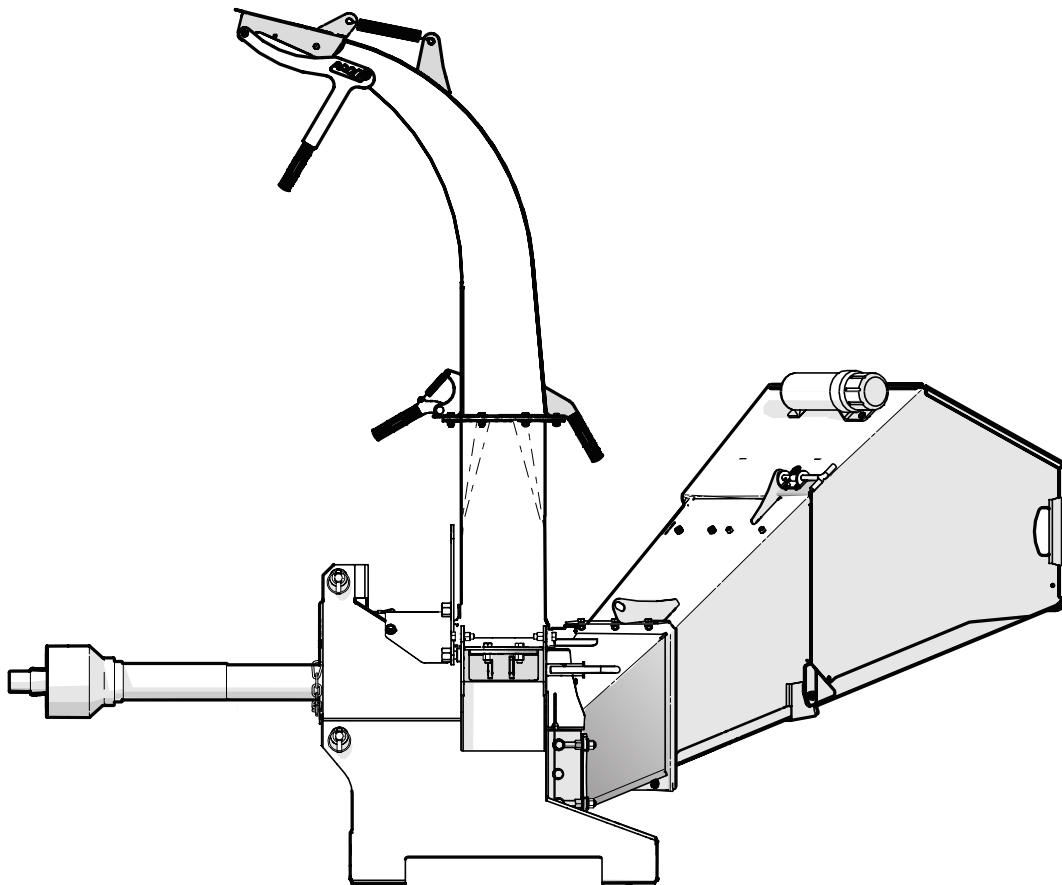


PARTS MANUAL

Serial Number 172S00001 & up

BX72S **3 PH Self-Feed Chipper**



Foreword

This Wallenstein parts manual is prepared to assist customers in ordering quality OEM replacement parts.

Regular maintenance combined with replacing old, worn or broken parts with the correct OEM parts is essential in prolonging the life of your Wallenstein product. Refer to this manual to identify replacement parts.

To order parts, contact your Wallenstein dealer or distributor. Have the product model and serial number handy.

If your dealer is no longer available, please go to our website: <http://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. Wallenstein reserves the right to change product specifications at any time without notice.

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

Reproduction of information in this parts manual is prohibited without prior written permission from Wallenstein Equipment Inc.

Wallenstein Equipment Inc. • © 2022



WARNING!

Refer to the operators manual for safe operation and maintenance.

Maintenance should be performed by trained personnel only.

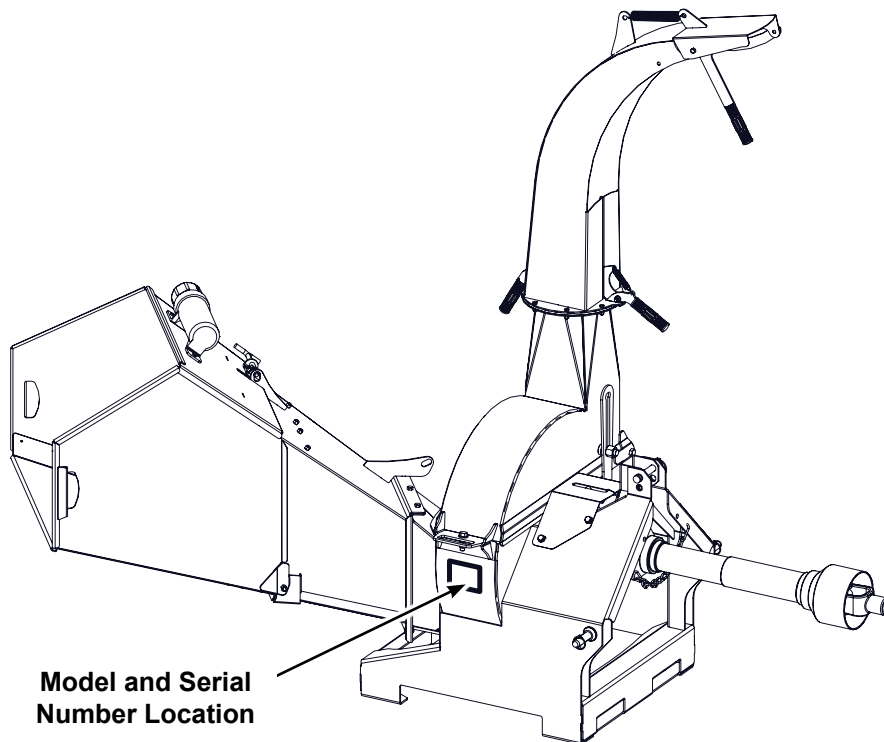
Serial Number Location

Always provide the model and serial number of your Wallenstein product when ordering parts or requesting service or other information. This information is found on the product information plate as shown below.

Record your product information here for future reference.

Model _____

Serial Number _____



**Model and Serial
Number Location**

www.wallensteinequipment.com

Contents

Rotor Assembly.....4

Lower Rotor Housing Serial Number 172S00001 up to 172S00402 5-A

Lower Rotor Housing Serial Number 172S00403 and Up 5-B

Feed Chute6

Ledger Knife Detail7

Upper Rotor Housing.....7

Discharge Chute8

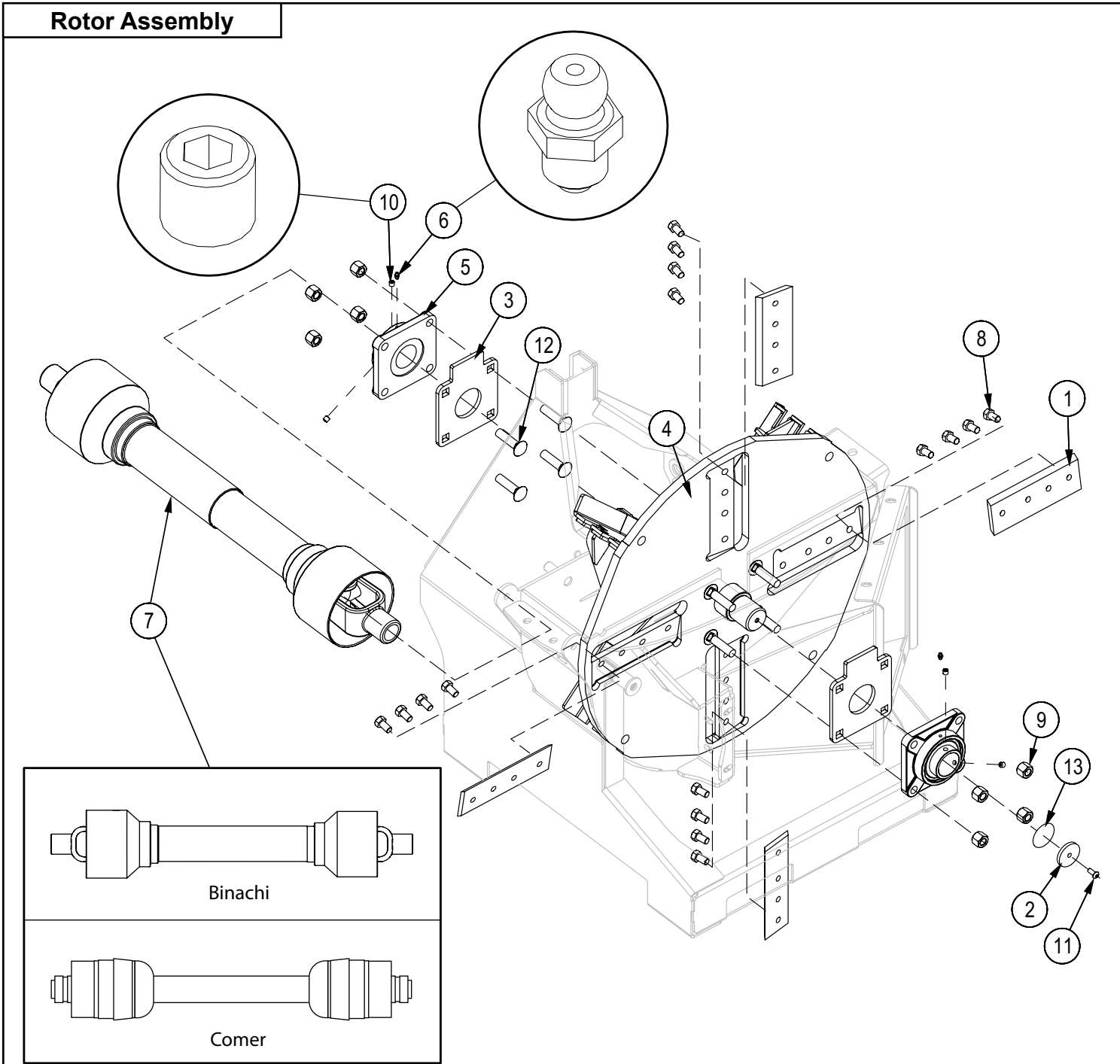
PTO Shaft Assembly.....9

Decal Layout – Left Side View10

Decal Layout – Right Side View..... 11

Bolt Torque12

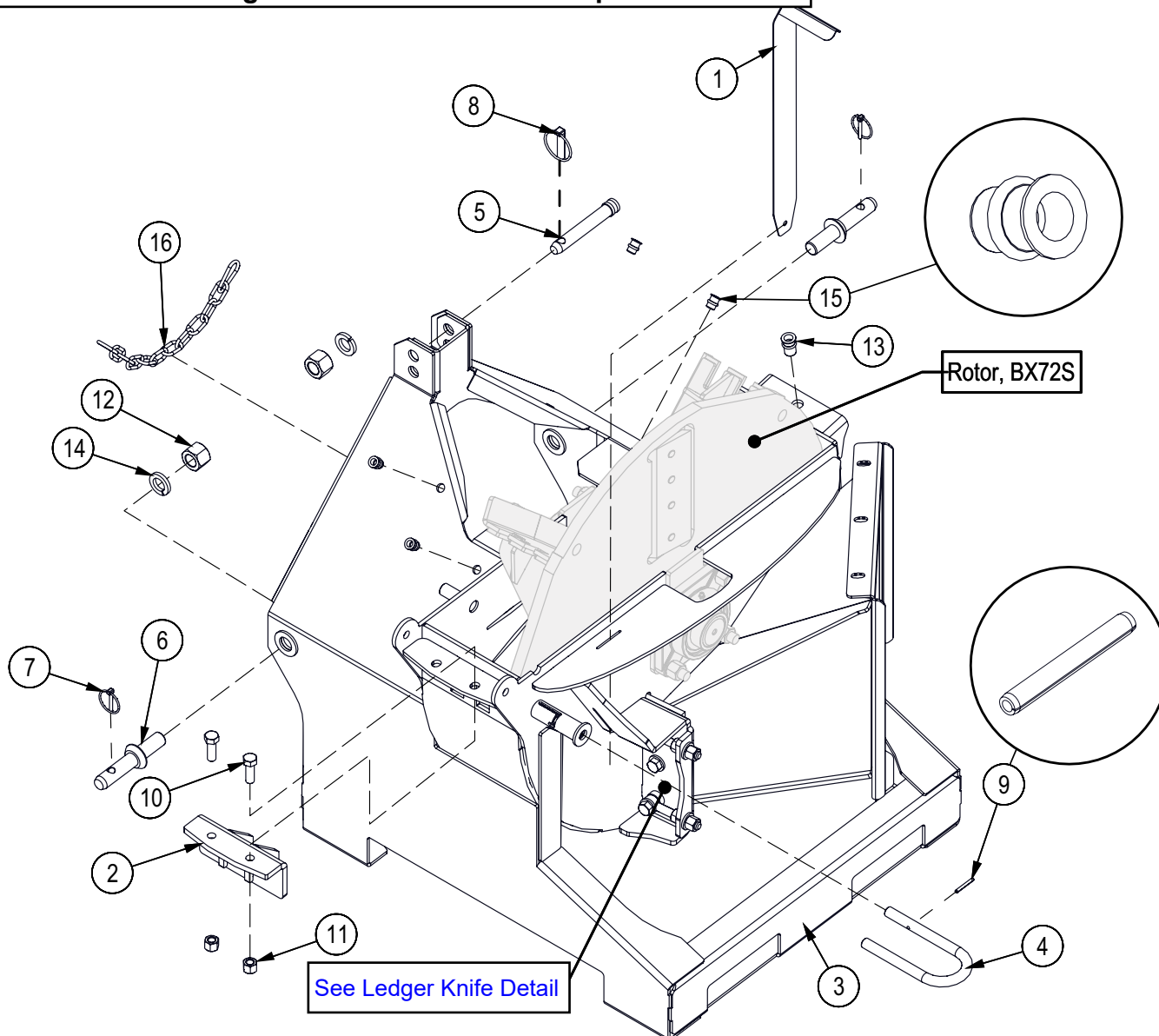
Rotor Assembly



Note: When ordering parts please confirm which brand of PTO shaft is on your machine.
Comer PTO shafts bolt on the implement
Binachi PTO shafts have a push connection.

Item No.	Part No.	Description	Qty
1	1012M203	Knife, BX62 Rotor	4
2	1021S102	Rotation Indicator Cover	1
3	1023L145	Bearing Plate, Hopper Side	2
4	1025W101	Rotor, BX72S	1
5	Z25203	4 Bolt Flange Bearing	2
6	Z29202	Grease Zerk 1/4NF	2
7	Z44504	PTO Shaft	1

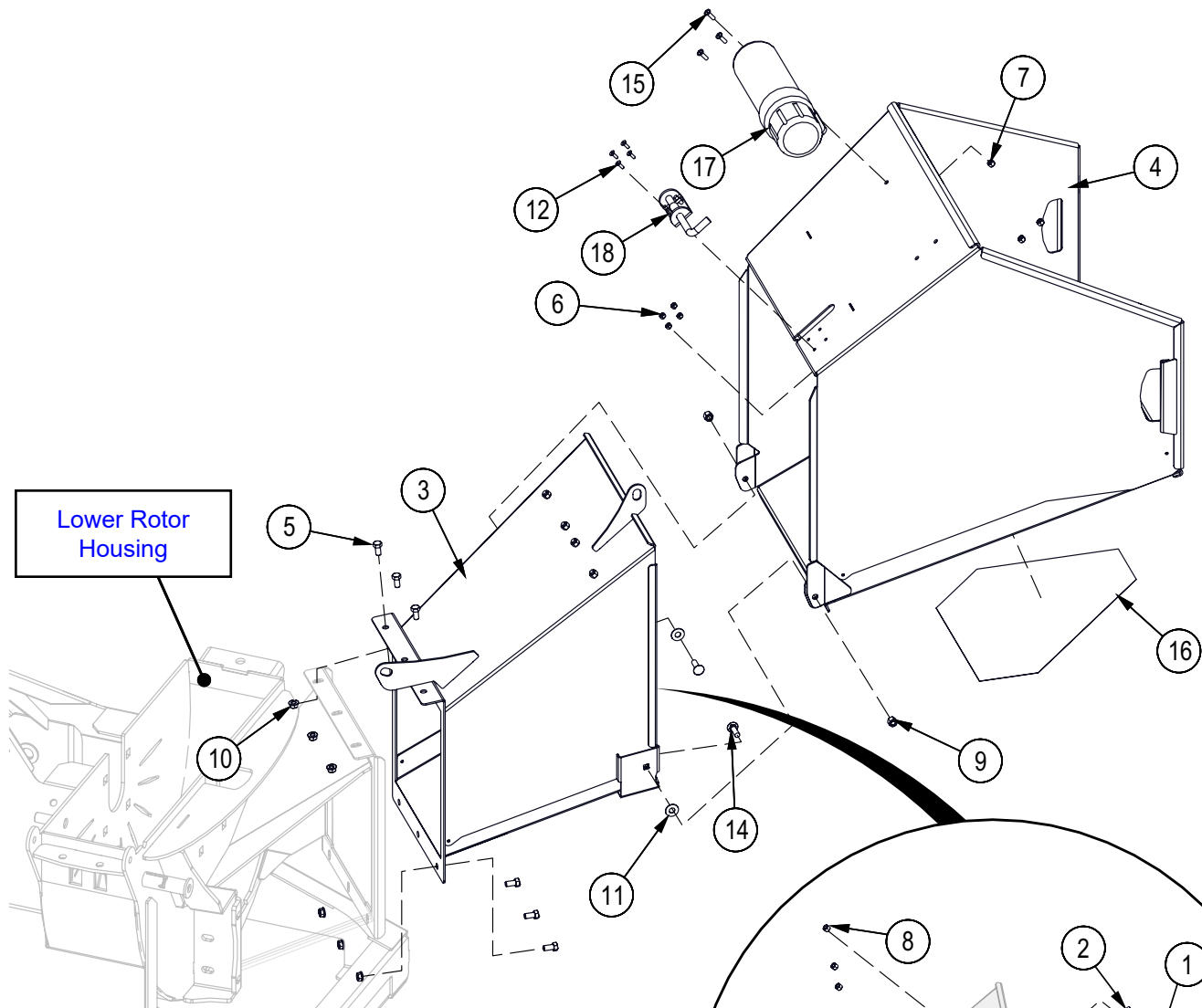
Item No.	Part No.	Description	Qty
8	Z71572G8	Hex Bolt, 1/2NF x 7/8" G8	16
9	Z72261G8	Hex Lock Nut, 5/8NC G8	8
10	Z74132	Set Screw, 3/8NF x 3/8"	4
11	Z75351	BHCS, 5/16NF x 3/4"	1
12	Z76266G8	Carriage Bolt, 5/8NC x 2-1/4" G8	8
13	Z94208	Clockwise Rotation Label	1

Lower Rotor Housing Serial Number 172S00001 up to 172S00402

Item No.	Part No.	Description	Qty
1	1012L269	Gauge, Ledger Setting	1
2	1012W204	Twig Breaker	1
3	1025W102	Lower Housing	1
4	1082M402	Locking Plunger	1
5	Z11122	Toplink Pin, 3/4" x 3-7/8"	1
6	Z11431	Implement Pin, 7/8" x 1-3/4" x 7/8NF	2
7	Z12110	Lynch Pin, 3/16"	2
8	Z12140	Lynch Pin, 7/16"	1
9	Z14151	Roll Pin, 3/16" x 1-1/2"	1
10	Z71515	Hex Bolt, 1/2NC x 1-1/2"	2
11	Z72251	Hex Lock Nut, 1/2NC	2
12	Z72282	Hex Lock Nut, 7/8NF	2
13	Z72961	Rivet Nut, 1/2NC x 350	1
14	Z73381	Split Lock Washer, 7/8"	2
15	Z77940	Rivet Nut, M10x1.5 x 313	4
16	Z92310	PTO Support Chain, 3/16" x 1ft with Two Snaps	1

Item No.	Part No.	Description	Qty
9	Z14151	Roll Pin, 3/16" x 1-1/2"	1
10	Z71515	Hex Bolt, 1/2NC x 1-1/2"	2
11	Z72251	Hex Lock Nut, 1/2NC	2
12	Z72282	Hex Lock Nut, 7/8NF	4
13	Z72961	Rivet Nut, 1/2NC x 350	1
14	Z73381	Split Lock Washer, 7/8"	4
15	Z77940	Rivet Nut, M10x1.5 x 313	4
16	Z92310	PTO Support Chain, 3/16"	1
17	Z11142	Toplink Pin, 1" x 4-5/16"	1
18	Z11442	Implement Pin, 1-1/8" x 2-1/4" x 7/8	2

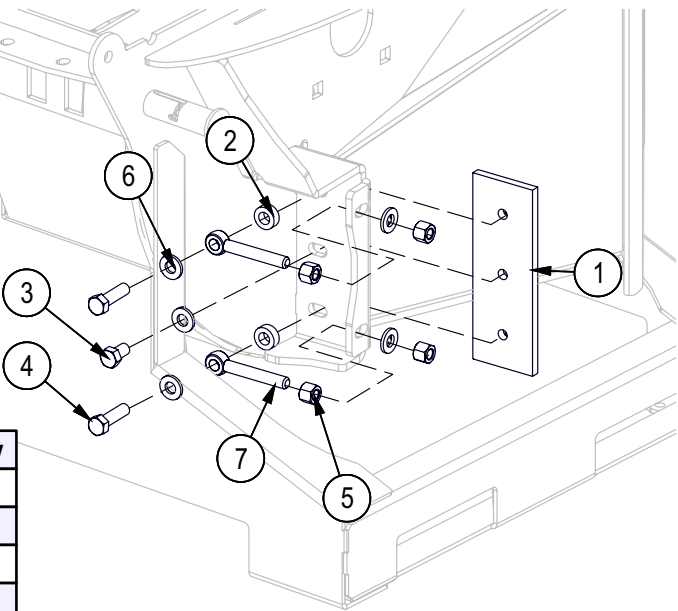
Feed Chute



Item No.	Part No.	Description	Qty
1	1025L156	Flap Trap Plate, BX72S	1
2	1025S108	Hopper Flap, BX72S	2
3	1025W110	Mid Hopper	1
4	1025W111	Folding Hopper	1
5	Z71307	Hex Bolt, 3/8NC x 3/4"	6
6	Z72204	Hex Lock Nut, #10NF	4
7	Z72211	Hex Lock Nut, 1/4NC	3
8	Z72221	Hex Lock Nut, 5/16NC	4
9	Z72231	Hex Lock Nut, 3/8NC	2
10	Z72531	Serrated Flange Locknut, 3/8NC	6
11	Z73233	PTFE Washer, 3/8" x 1/16"	2
12	Z75204	FHCS, #10NF x 5/8"	4
13	Z76221	Carriage Bolt, 5/16NC x 3/4"	4
14	Z76232	Carriage Bolt, 3/8NC x 1-1/4"	2
15	Z78301	Machine Screw, 1/4NC x 3/4"	3
16	Z94601	Decal, SMV	1
17	Z96503	Manual Tube, 3-1/2" Short	1
18	Z18207	Spring Latch Pin 1/2 x 1" Stroke	1

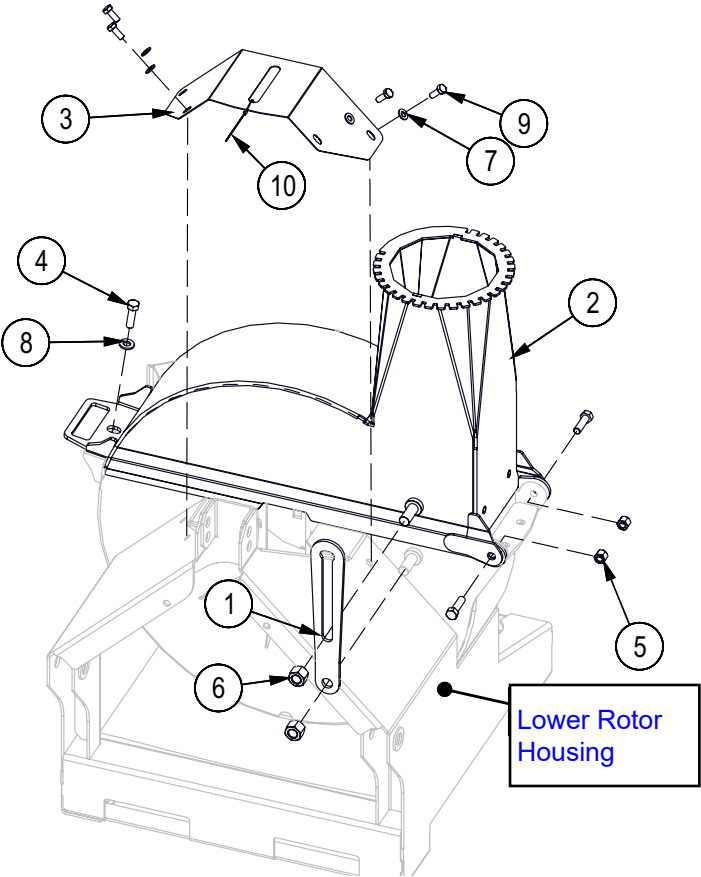
Ledger Knife Detail

Lower Rotor Housing



Item No.	Part No.	Description	Qty
1	1012M204	Knife, BX62 Ledger	1
2	1023L150	Ledger Washer	2
3	Z71572G8	Hex Bolt, 1/2NF x 7/8" G8	1
4	Z71579G8	Hex Bolt, 1/2NF x 1-3/4" G8	2
5	Z72251	Hex Lock Nut, 1/2NC	4
6	Z73151	SAE Washer, 1/2"	5
7	Z76553	Rod End, 1/2NC x 3-1/2" Full Threads	2

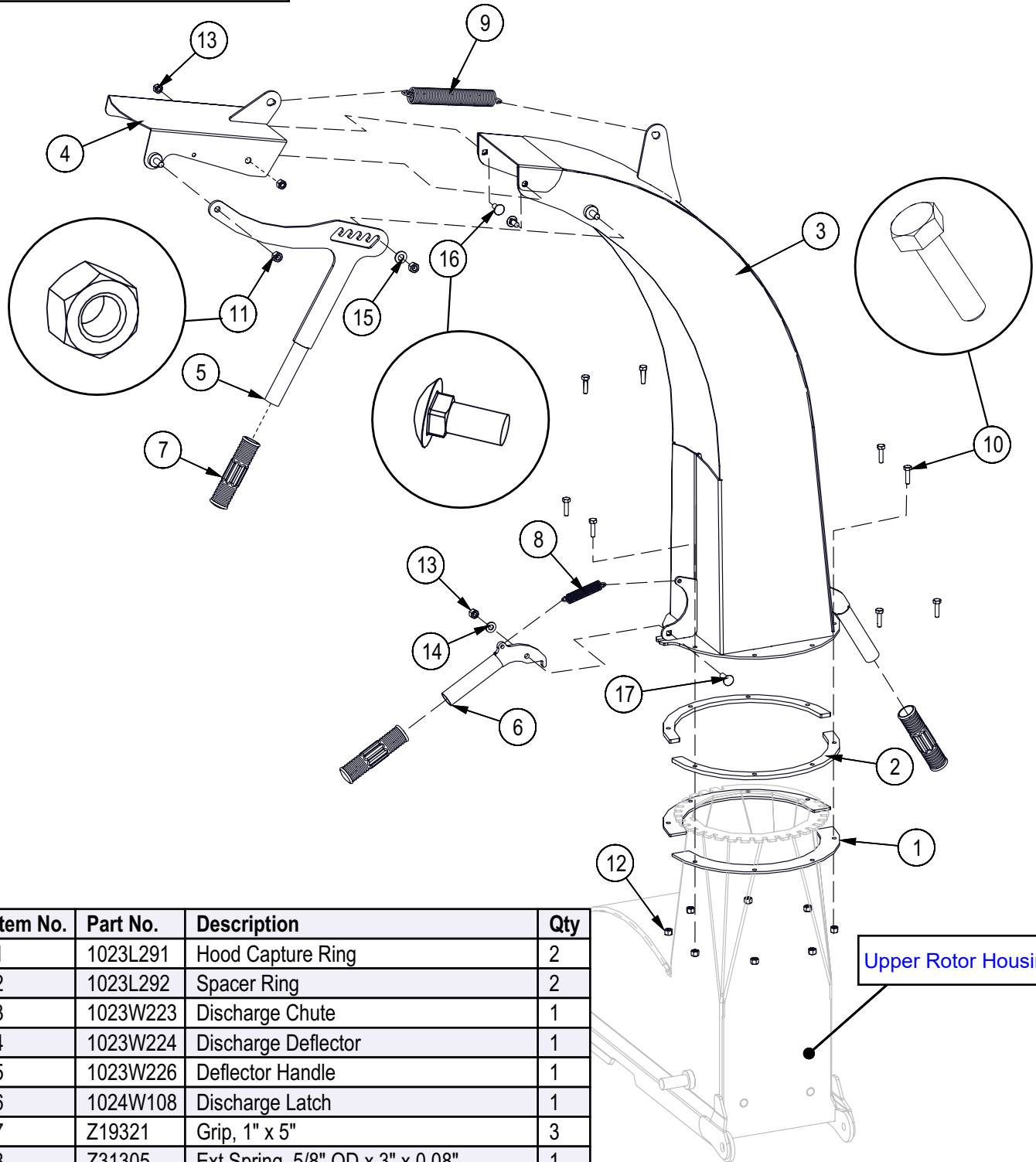
Upper Rotor Housing



Lower Rotor Housing

Item No.	Part No.	Description	Qty
1	1023L155	Rotation Stop	1
2	1025W112	Upper Housing	1
3	1024L154	PTO Guard	1
4	Z71517	Hex Bolt, 1/2NC x 1-3/4"	3
5	Z72251	Hex Lock Nut, 1/2NC	2
6	Z72271	Hex Lock Nut, 3/4NC	2
7	Z73131	SAE Washer, 3/8"	4
8	Z73151	SAE Washer, 1/2"	1
9	Z77162	Hex Bolt, M10x1.5 x 25mm	4
10	Z92110	Aircraft Cable, 1/16" x 24"	1

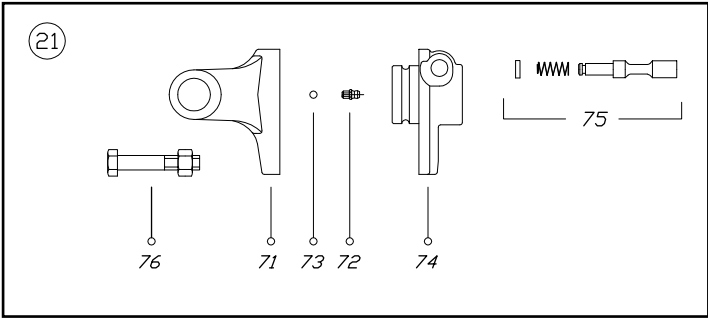
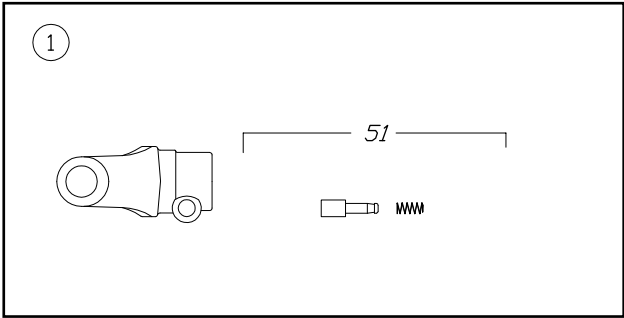
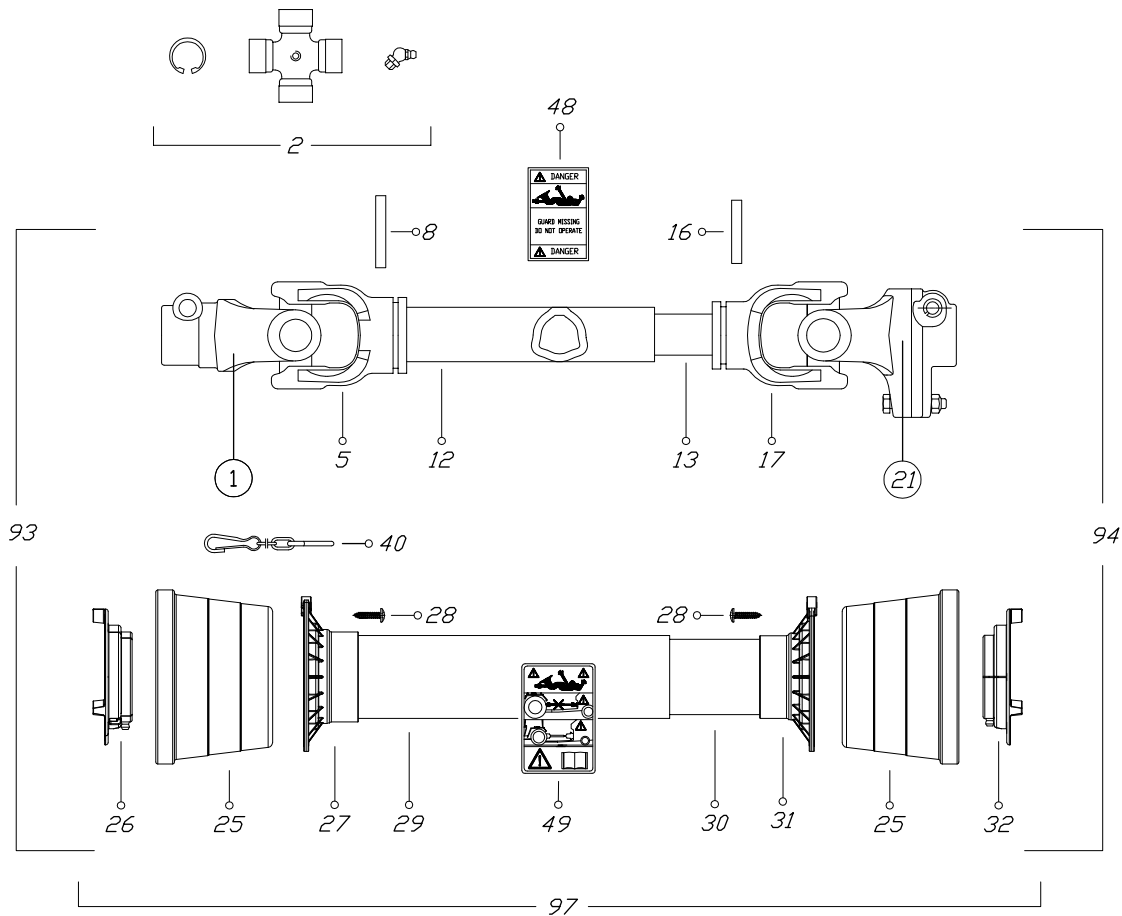
Discharge Chute



Item No.	Part No.	Description	Qty
1	1023L291	Hood Capture Ring	2
2	1023L292	Spacer Ring	2
3	1023W223	Discharge Chute	1
4	1023W224	Discharge Deflector	1
5	1023W226	Deflector Handle	1
6	1024W108	Discharge Latch	1
7	Z19321	Grip, 1" x 5"	3
8	Z31305	Ext Spring, 5/8" OD x 3" x 0.08"	1
9	Z31403	Ext Spring, 27mm OD x 178mm x 0.105"	1
10	Z71110	Hex Bolt, 1/4NC x 1"	8
11	Z72231	Hex Nut, 3/8NC	2
12	Z72211	Hex Lock Nut, 1/4NC	8
13	Z72221	Hex Lock Nut, 5/16NC	3
14	Z73122	SAE Washer, 5/16"	1
15	Z73131	SAE Washer, 3/8"	1
16	Z76221	Carriage Bolt, 5/16NC x 3/4"	2
17	Z76225	Carriage Bolt, 5/16NC x 1"	1

Upper Rotor Housing

PTO Shaft Assembly



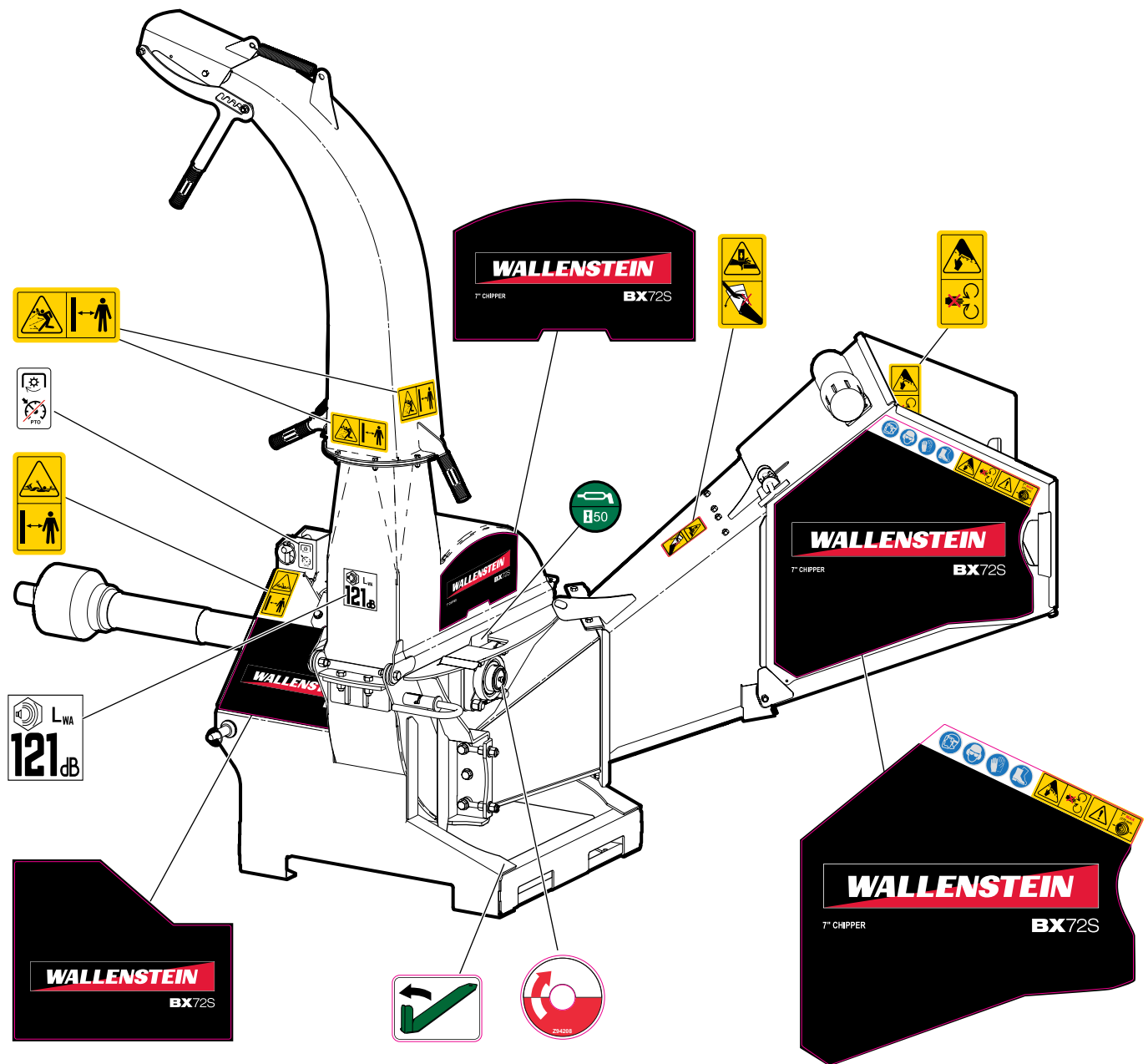
PTO Shaft – P/N Z44504

Item.	Description	Qty.	Part Number	Item.	Description	Qty.	Part Number
01	YOKE	1	0800503	31	INNER BASE CONE 05-06	1	025406C002
02	CROSS JOURNAL ASS.	2	08205	32	INNER BEARING 05	1	025505C002
05	OUTER TUBE YOKE	1	08005021	40	CHAIN	1	0252000001
08	FLEXIBLE PIN	1	098701075	48	LABEL DANGER OUTER DRIVE TUBE	1	09872006
12	CM. 100 CARDAN TUBE(*)	1	09881523100	49	EXTERNAL SHIELD LABEL	1	09872003
13	CM. 100 CARDAN TUBE(*)	1	09881454100	51	COMPLETE PUSH BUTTON	1	0986014047
16	FLEXIBLE PIN	1	0987001065	71	YOKE FOR LB5	1	08896905
17	INNER TUBE YOKE	1	08005011	72	GREASE NIPPLE	1	0984010150
21	SHEAR BOLT YOKE	1	08805A604633	73	STEEL BALL	23	098680104
25	CONE SHIELD BELL 05-06	2	021906C001	74	HUB	1	088965A60
26	OUTER BEARING 05	1	025505C001	75	PUSH PIN SET	1	0986014075
27	OUTER BASE CONE 05-06	1	025406C001	76	SHEAR BOLT AND NUT M10 x 1.5 x 55 10.9	1	Z19407 (Package of 5)
28	SCREW	6	0998052242	93	OUTER HALF SHAFT	1	B5056US2
29	OUTER SAFETY TUBE	1	0988981NB5056	94	INNER HALF SHAFT	1	B5056US1098001
30	INNER SAFETY TUBE	1	0988975NB5056	97	SAFETY GUARD	1	83US05056

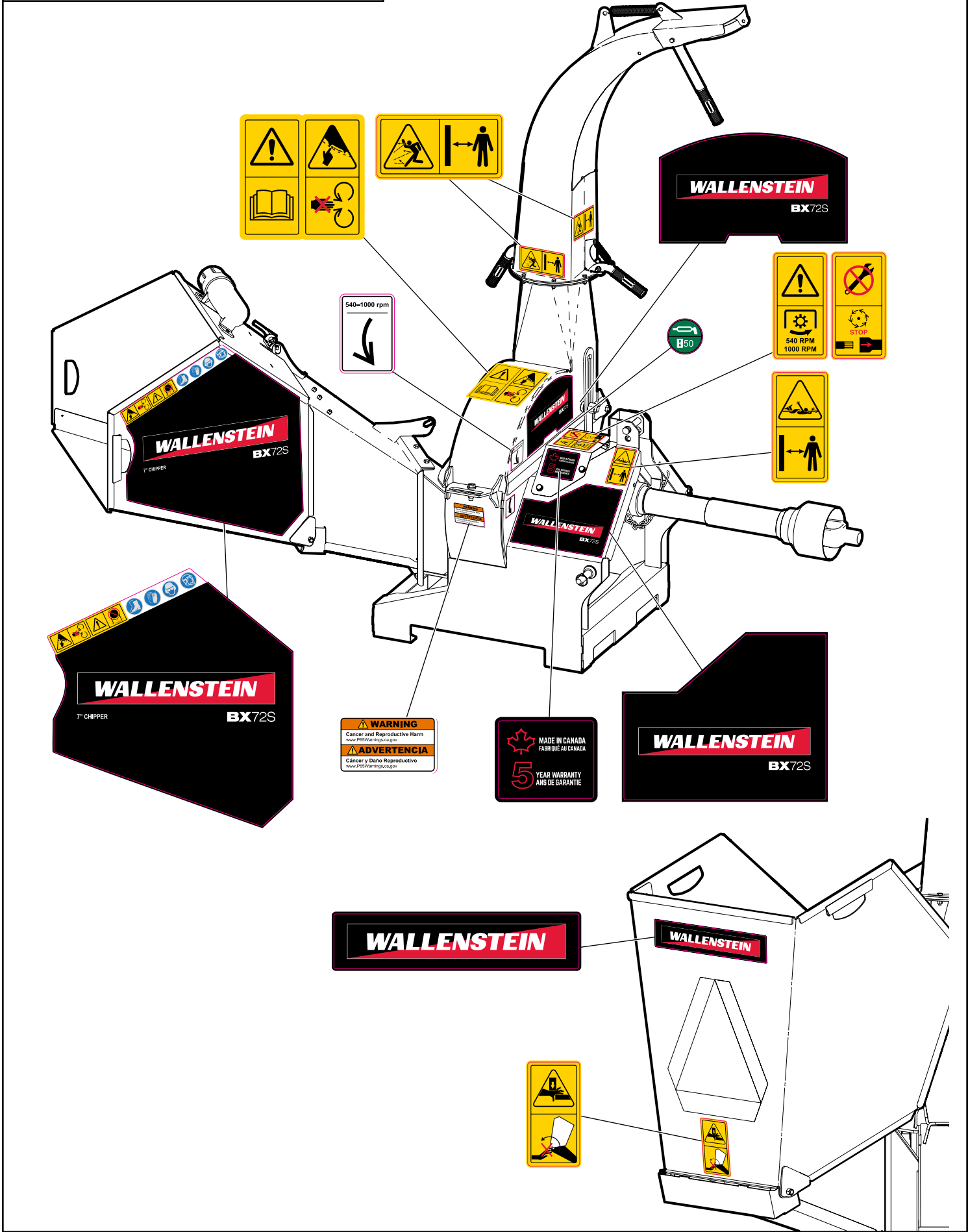
Decal Layout – Left Side View

IMPORTANT! If parts are replaced that have safety signs on them, new signs must be applied. Safety signs must always be replaced if they become damaged, are removed, or become illegible.

Safety signs are included in the product decal kit available from your authorized dealer. Decals are not available separately.



Decal Layout – Right Side View



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
M14	83	112	116	158
M16	166	225	229	310
M20	321	435	450	610
M30	1,103	1 495	1,550	2 100



8.8



10.9