Part Number: 1016T010

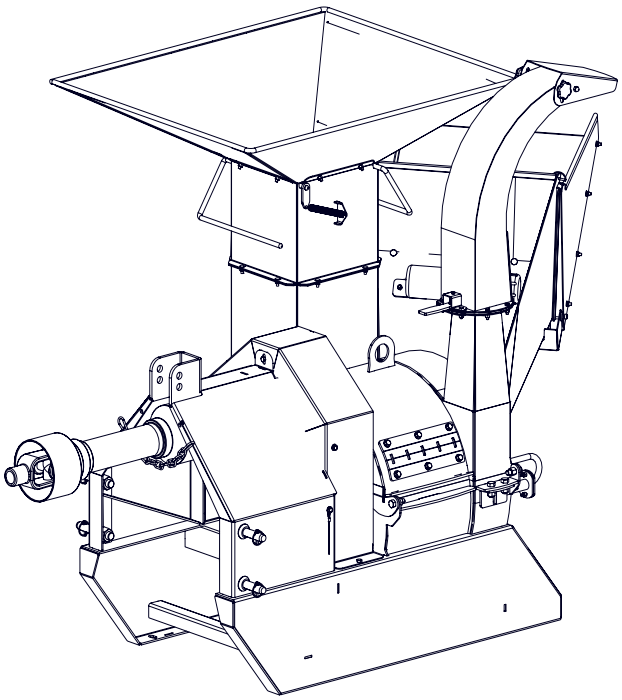
WALLENSTEIN

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

PARTS MANUAL

BXM42EU
Chipper

Serial Number 1M42EU017 & up



Refer to the operators manual for safe operation and maintenance

Revision G1 Dec-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, 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.

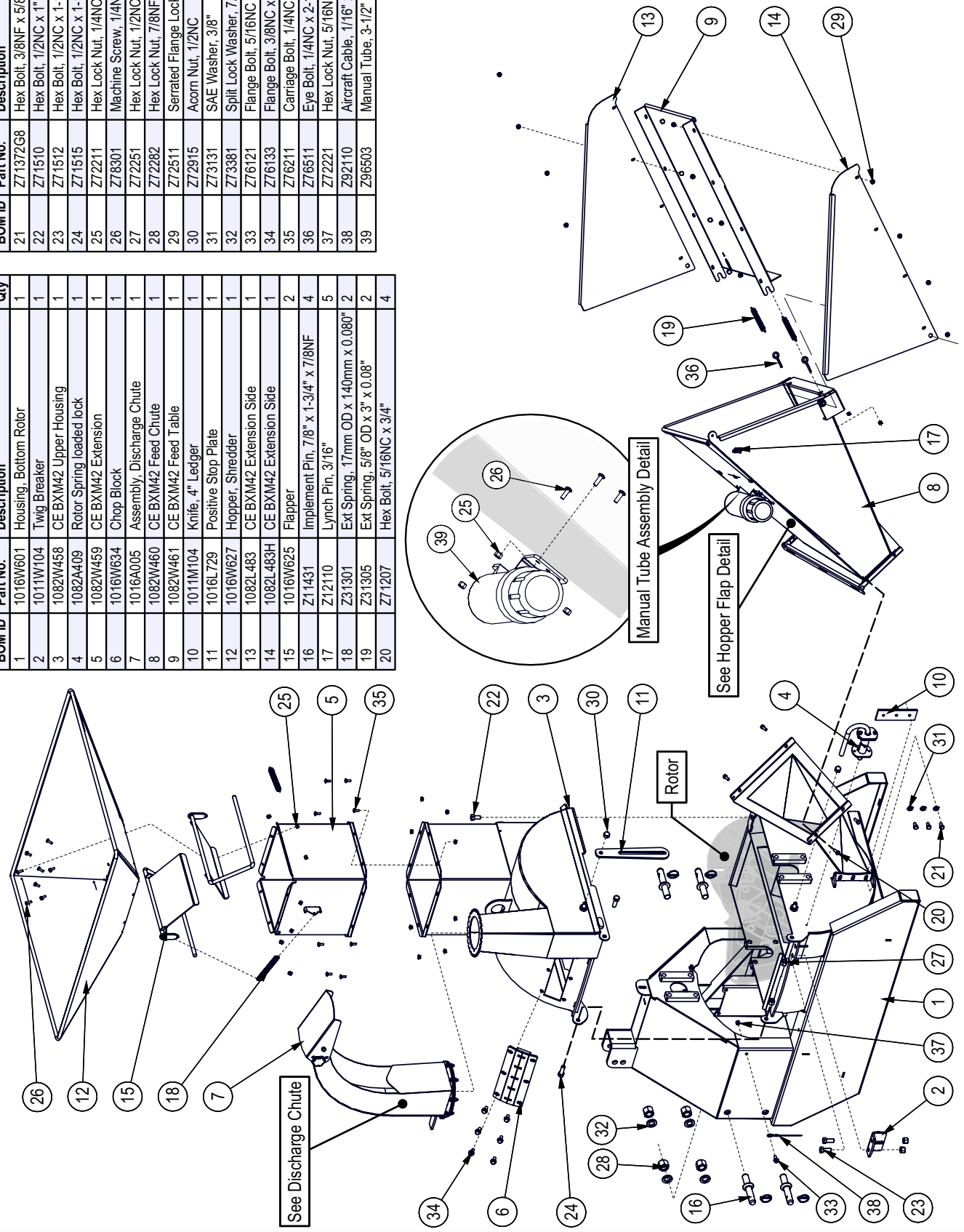
If your product specifications differ from those contained in this manual, contact EMB Manufacturing for information.

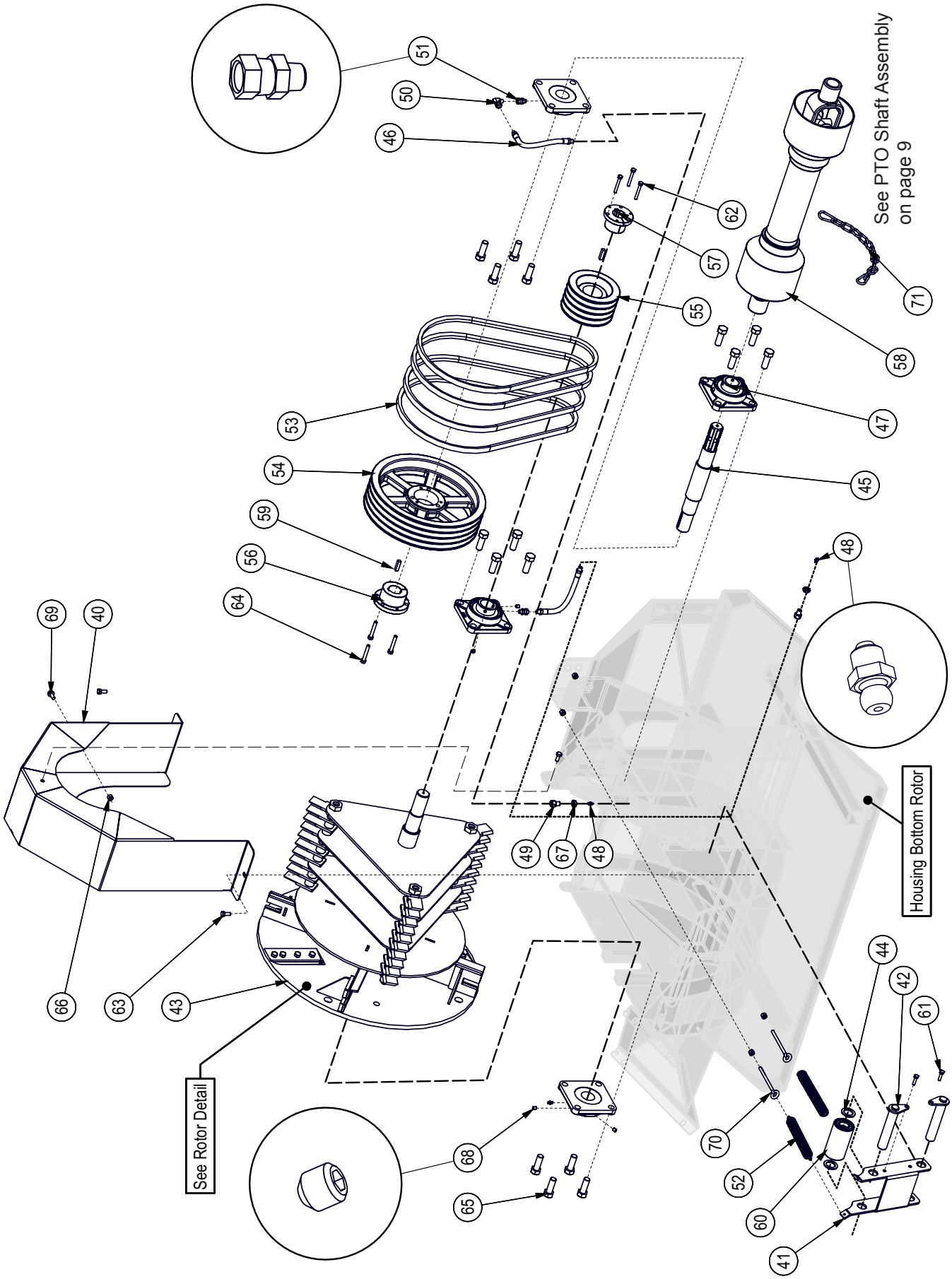
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Main Parts

BOM ID	Part No.	Description	Qty
1	1016W601	Housing, Bottom Rotor	1
2	1011W104	Twig Breaker	1
3	1082W458	CE BXM42 Upper Housing	1
4	1082A409	Rotor Spring loaded lock	1
5	1082W459	CE BXM42 Extension	1
6	1016W634	Chop Block	1
7	1016A005	Assembly, Discharge Chute	1
8	1082W460	CE BXM42 Feed Chute	1
9	1082W461	CE BXM42 Feed Table	1
10	1011M104	Knife, 4" Ledger	1
11	1016L729	Positive Stop Plate	1
12	1016W627	Hopper, Shredder	1
13	1082L483	CE BXM42 Extension Side	1
14	1082L483H	CE BXM42 Extension Side	1
15	1016W625	Flapper	2
16	Z11431	Implement Pin, 7/8" x 1-3/4" x 7/8NF	4
17	Z12110	Lynch Pin, 3/16"	5
18	Z31301	Ext Spring, 17mm OD x 140mm x 0.080"	2
19	Z31305	Ext Spring, 5/8" OD x 3" x 0.08"	2
20	Z71207	Hex Bolt, 5/16NC x 3/4"	4

BOM ID	Part No.	Description	Qty
21	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	3
22	Z71510	Hex Bolt, 1/2NC x 1"	1
23	Z71512	Hex Bolt, 1/2NC x 1-1/4"	2
24	Z71515	Hex Bolt, 1/2NC x 1-1/2"	2
25	Z72211	Hex Lock Nut, 1/4NC	13
26	Z78301	Machine Screw, 1/4NC x 3/4"	11
27	Z72251	Hex Lock Nut, 1/2NC	4
28	Z72282	Hex Lock Nut, 7/8NF	4
29	Z72511	Serrated Flange Locknut, 1/4NC	16
30	Z72915	Acorn Nut, 1/2NC	2
31	Z73131	SAE Washer, 3/8"	3
32	Z73381	Split Lock Washer, 7/8"	4
33	Z76121	Flange Bolt, 5/16NC x 3/4"	1
34	Z76133	Flange Bolt, 3/8NC x 3/4"	6
35	Z76211	Carriage Bolt, 1/4NC x 3/4"	16
36	Z76511	Eye Bolt, 1/4NC x 2-1/2"	2
37	Z72221	Hex Lock Nut, 5/16NC	1
38	Z92110	Aircraft Cable, 1/16" x 24"	1
39	Z96503	Manual Tube, 3-1/2" Short	1




See PTO Shaft Assembly on page 9
Housing Bottom Rotor
See Rotor Detail
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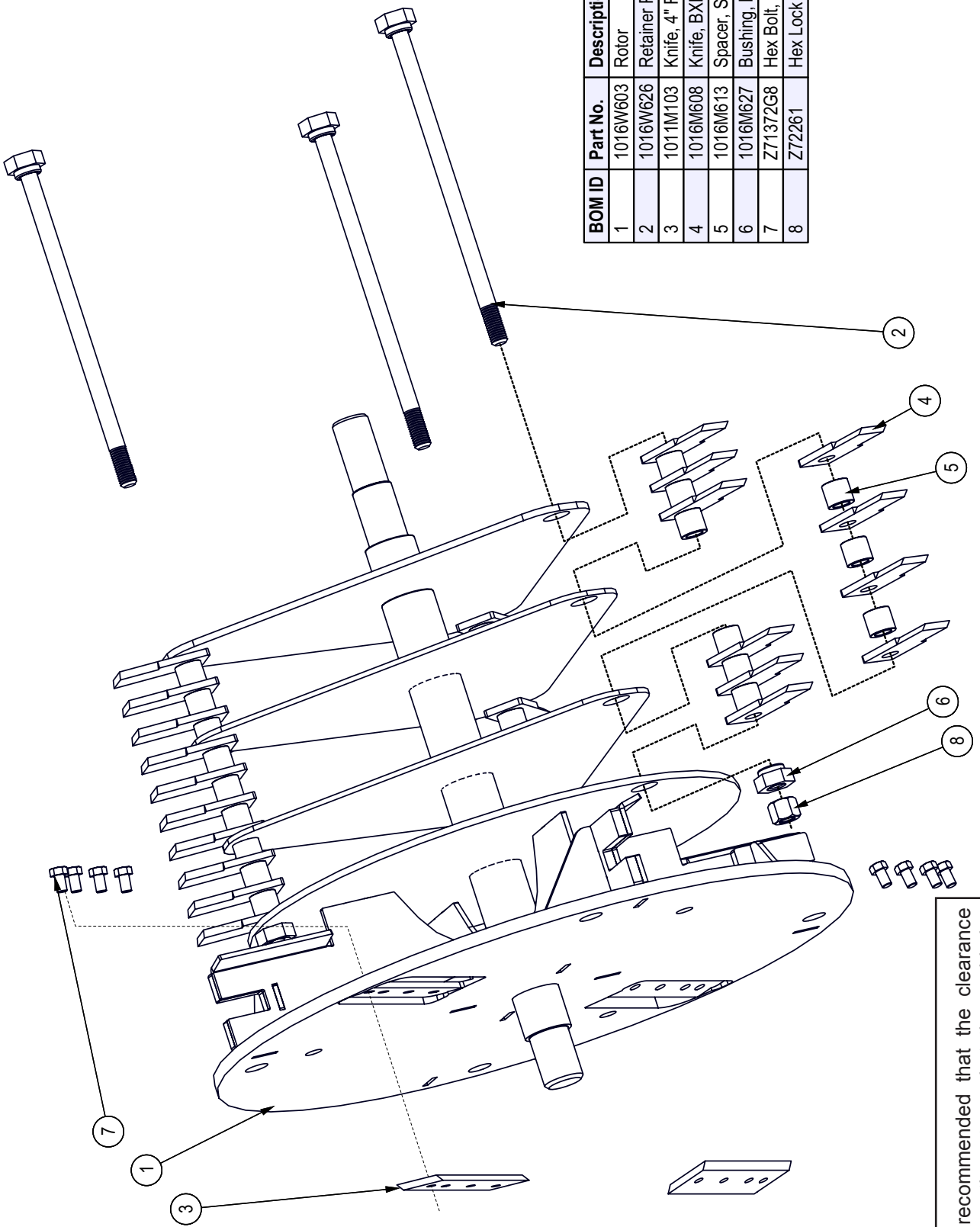
Driveline

Driveline - Continued

BOM ID	Part No.	Description	Qty
44	1016L972	Washer, Idler	2
45	1016M621	Shaft, Splined	1
47	Z25204	4-Bolt Flange Bearing, UCF208-24	4
48	Z29202	Grease Fitting, 1/4NF	3
49	Z29206	Bulkhead, FP x FP 0402 x 7/16NC	2
50	Z29307	Elbow 90 Grease Fitting, MP x FPX 0202	1
51	Z29311	Grease Fitting, MP x FPX 0202	2
52	Z31404	Ext Spring, 25mm OD x 178mm x 0.135"	2
53	Z41158	Single Belt, B50	4
54	Z41311	Sheave, 4B124 x SK	1
55	Z41312	Sheave, 4B54 x SD	1
56	Z41501	Hub, SK x 1-3/8"	1
57	Z41517	Hub, SD x 1-3/8"	1

BOM ID	Part No.	Description	Qty
59	Z46544	Key, 5/16" x 5/16" x 1-1/4"	2
61	Z71110	Hex Bolt, 1/4NC x 1"	2
62	Z71120	Hex Bolt, 1/4NC x 2"	3
63	Z71207	Hex Bolt, 5/16NC x 3/4"	3
64	Z71220	Hex Bolt, 5/16NC x 2"	3
65	Z71672G8	Hex Bolt, 5/8NF x 1-3/4" G8	16
66	Z72221	Hex Lock Nut, 5/16NC	5
67	Z72341	Jam Nut, 7/16NC	2
68	Z74121	Set Screw, 5/16NC x 3/8"	4
69	Z76121	Flange Bolt, 5/16NC x 3/4"	1
70	Z76521	Eye Bolt, 5/16NC x 4"	2
71	Z92310	PTO Support Chain, 3/16" x 1ft with Two Snaps	1

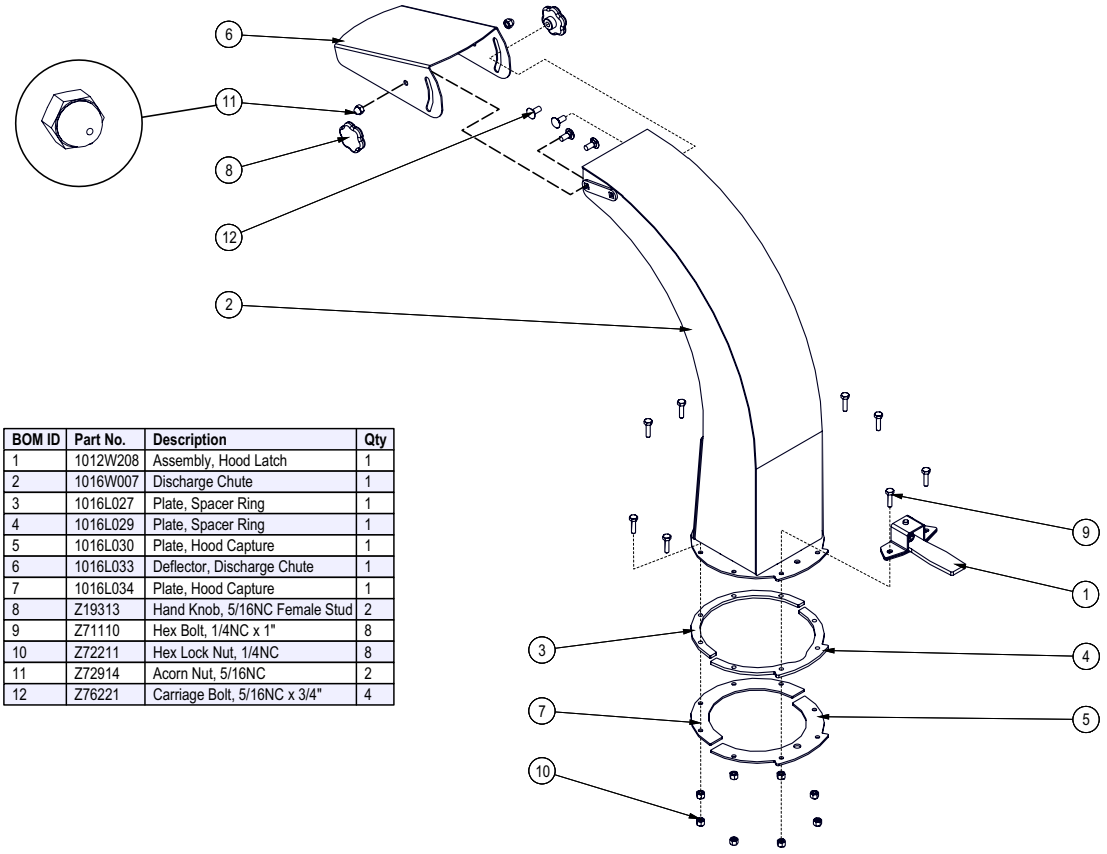
Rotor Detail



BOM ID	Part No.	Description	Qty
1	1016W603	Rotor	1
2	1016W626	Retainer Pin	3
3	1011M103	Knife, 4" Rotor	2
4	1016M608	Knife, BXM Shredder	30
5	1016M613	Spacer, Shredder	27
6	1016M627	Bushing, Retainer Rod	3
7	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	8
8	Z72261	Hex Lock Nut, 5/8NC	3

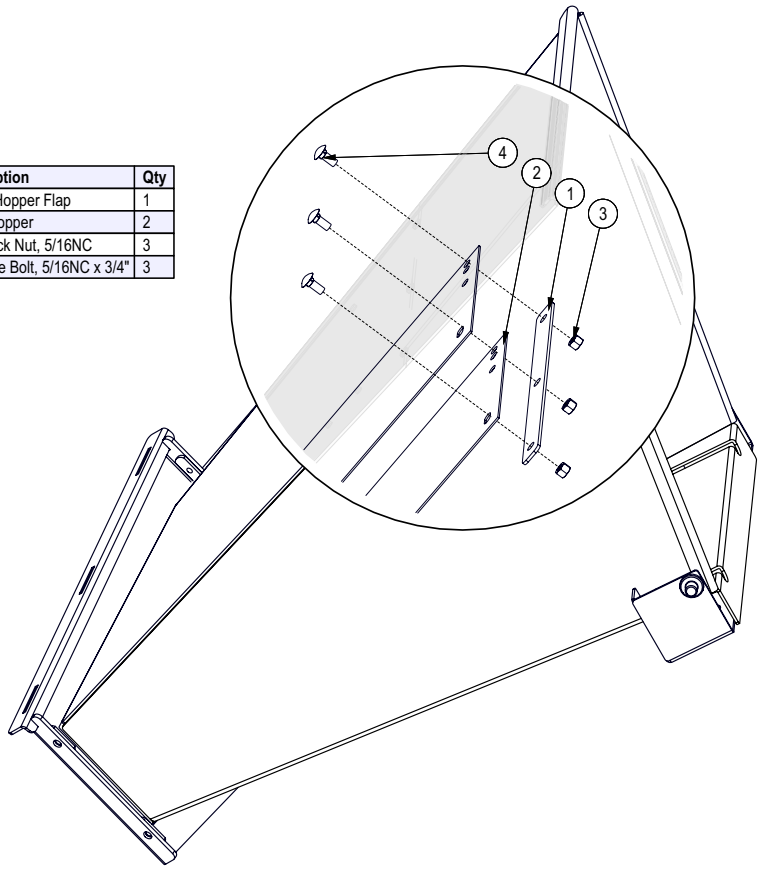
It is recommended that the clearance between the rotor and stationary blades be set and maintained at 1/32 to 1/16 " (.76 -1.52 mm) to obtain the best performance.

Discharge Chute Assembly



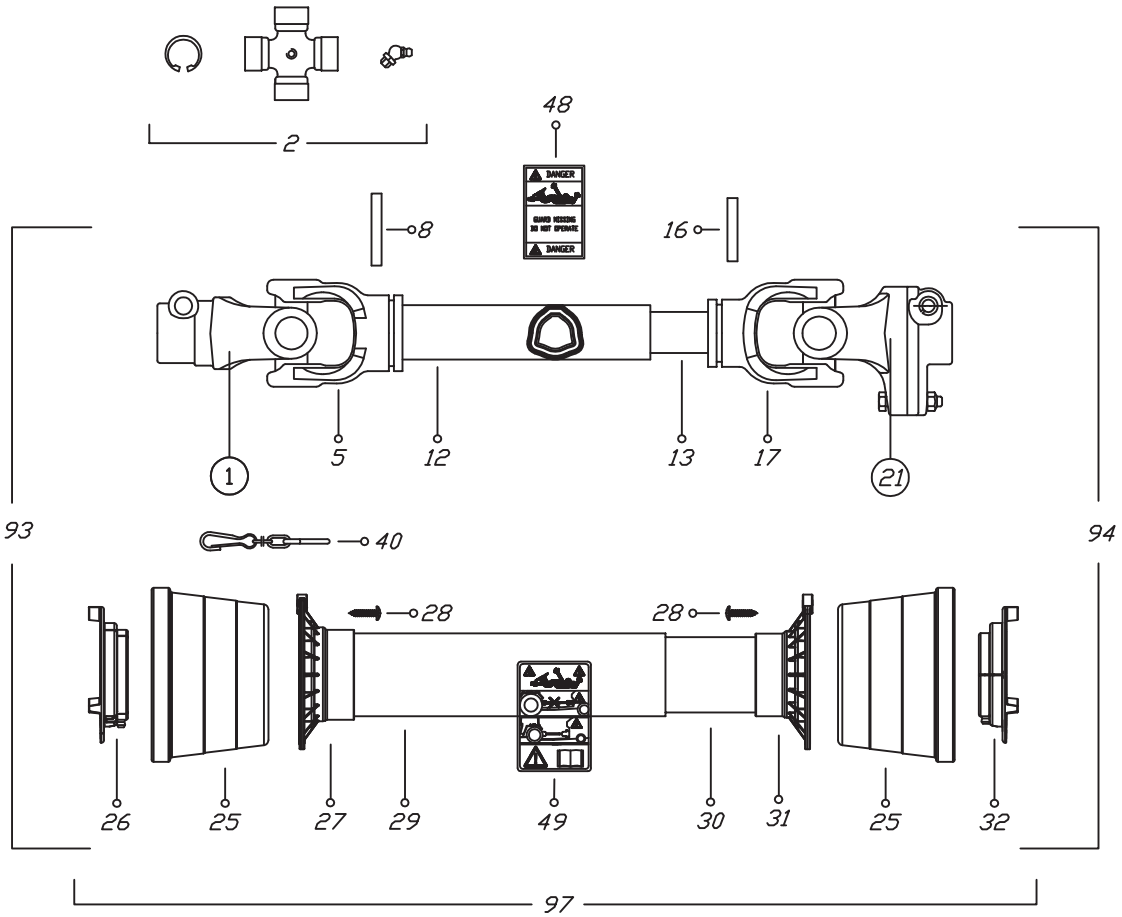
BOM ID	Part No.	Description	Qty
1	1012W208	Assembly, Hood Latch	1
2	1016W007	Discharge Chute	1
3	1016L027	Plate, Spacer Ring	1
4	1016L029	Plate, Spacer Ring	1
5	1016L030	Plate, Hood Capture	1
6	1016L033	Deflector, Discharge Chute	1
7	1016L034	Plate, Hood Capture	1
8	Z19313	Hand Knob, 5/16NC Female Stud	2
9	Z71110	Hex Bolt, 1/4NC x 1"	8
10	Z72211	Hex Lock Nut, 1/4NC	8
11	Z72914	Acorn Nut, 5/16NC	2
12	Z76221	Carriage Bolt, 5/16NC x 3/4"	4

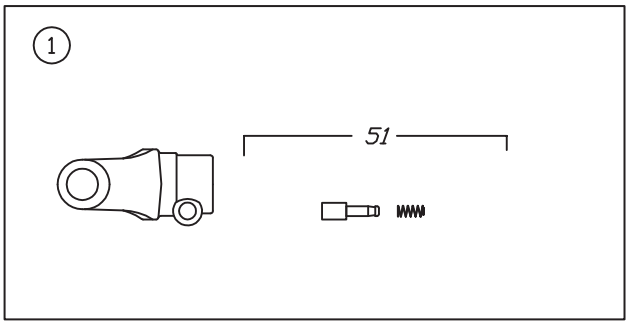
Hopper Flap Detail

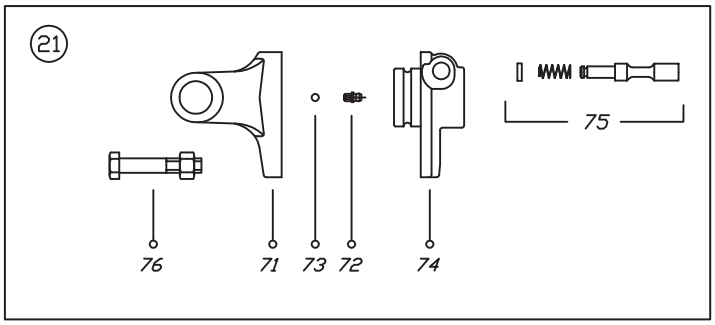


BOM ID	Part No.	Description	Qty
1	1011L151	Strap, Hopper Flap	1
2	1011S103	Flap, Hopper	2
3	Z72221	Hex Lock Nut, 5/16NC	3
4	Z76221	Carriage Bolt, 5/16NC x 3/4"	3

PTO Shaft Assembly



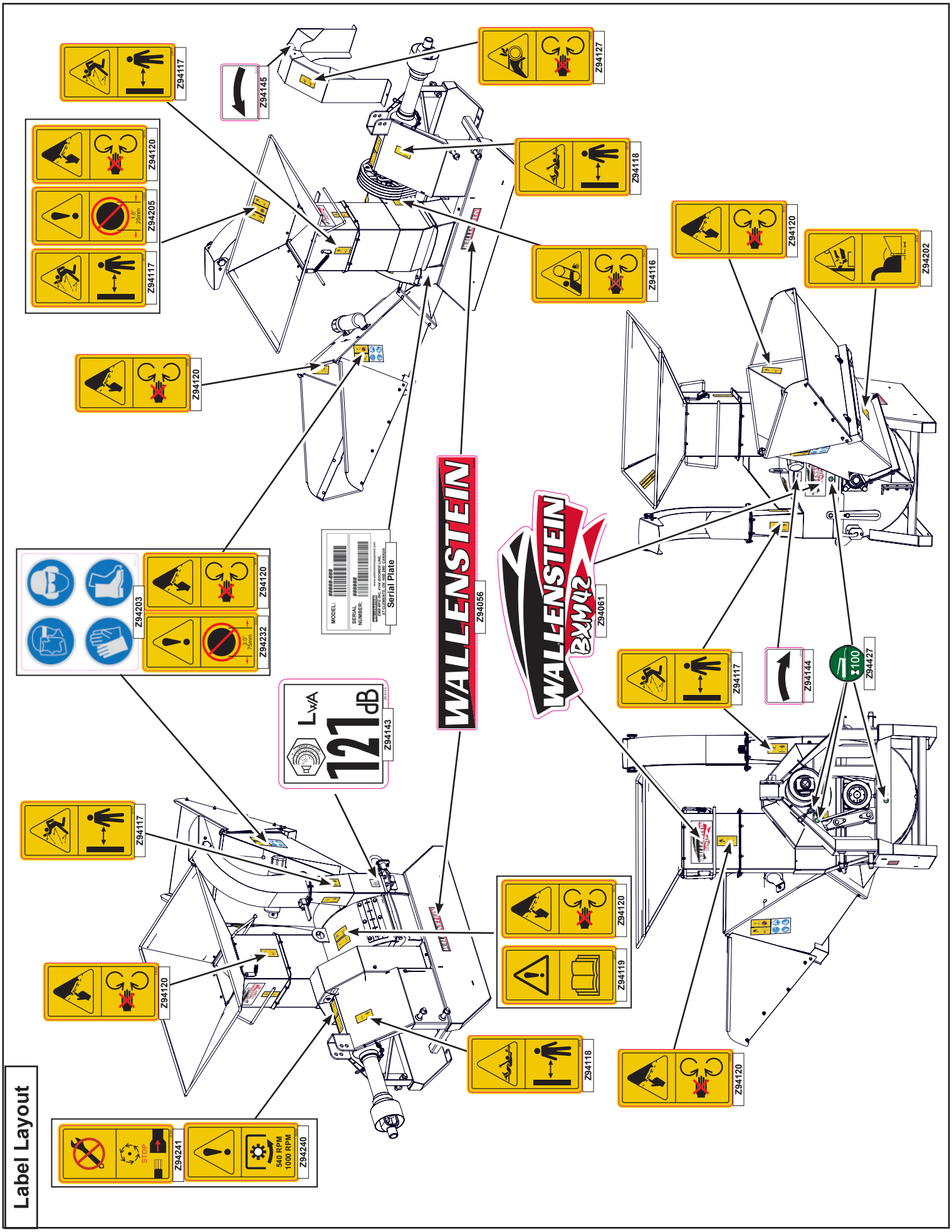




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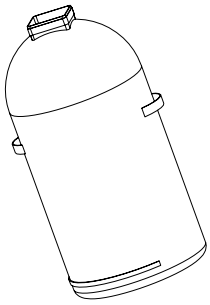
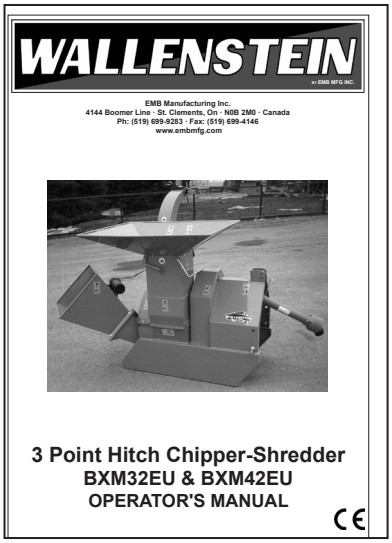
Binacchi SPARE PARTS LIST : B5D056US098001			
POS.	DESCRIPTION	Q.	Part #
01	YOKE	1	0800503
02	CROSS JOURNAL ASS.	2	08205
05	OUTER TUBE YOKE	1	08005021
08	FLEXIBLE PIN	1	098701075
12	CM. 100 CARDAN TUBE(*)	1	09881523100
13	CM. 100 CARDAN TUBE(*)	1	09881454100
16	FLEXIBLE PIN	1	0987001065
17	INNER TUBE 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


Label Layout
Z94117
Z94145
Z94127
Z94120
Z94205
Z94118
Z94116
Z94202
Z94203
Z94232
Serial Plate
MODEL:
SERIAL NUMBER:
Z94056
WALLENSTEIN
BXM42
Z94061
Z94144
Z94427
Z94143
LwA
121 dB
Z94119
Z94241
STOP
Z94240
540 RPM
1000 RPM

Accessories

Call your dealer for pricing and availability

#1012L269 	#1012L269 Ledger Clearance Setting Gauge. An easy and accurate way of setting the critical clearances between the ledger blade and the rotor chipper blade.
#1082S352 	#1082S352 Mulch Collector Bag. An easy way to collect your mulch and distribute it where its needed. The mulch bag holds 2.7 cu.ft (28 litres) and is a mildew resistant synthetic material. It is a porous material, allowing air from the rotor to pass through without restricting collection of the chips.
	**#Z97049 CHIPPER-SHREDDER 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

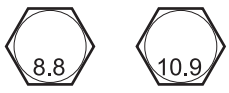
Bolt Diameter	Torque Value					
	SAE Gr. 2		SAE Gr. 5		SAE Gr. 8	
	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m
1/4"	6	8	9	12	12	17
5/16"	10	13	19	25	27	36
3/8"	20	27	33	45	45	63
7/16"	30	41	53	72	75	100
1/2"	45	61	80	110	115	155
9/16"	60	95	115	155	165	220
5/8"	95	128	160	215	220	305
3/4"	165	225	290	390	400	540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



Hydraulic Fitting Torque

Tightening Flare Type Tube Fittings

1. Check flare and flare seat for defects that might cause leakage.
2. Align tube with fitting before tightening.
3. Hand-tighten swivel nut until snug.
4. To prevent twisting the tube, use two wrenches. Place one wrench on the connector body and tighten the swivel nut with the second. Torque to values shown.

If a torque wrench is not available, use the FFFT (Flats From Finger Tight) method.

Hydraulic Fitting Torque					
Tube Size OD	**Hex Size Across Flats**	**Torque value**		**Flats From Finger Tight**	
Inches	Inches	lbf•ft	N•m	Flats	Turns
3/16	7/16	6	8	2	1/6
1/4	9/16	11–12	15–17	2	1/6
5/16	5/8	14–16	19–22	2	1/6
3/8	11/16	20–22	27–30	1-1/4	1/6
1/2	7/8	44–48	59–65	1	1/6
5/8	1	50–58	68–79	1	1/6
3/4	1-1/4	79–88	107–119	1	1/8
1	1-5/8	117–125	158–170	1	1/8

Values shown are for non-lubricated connections.