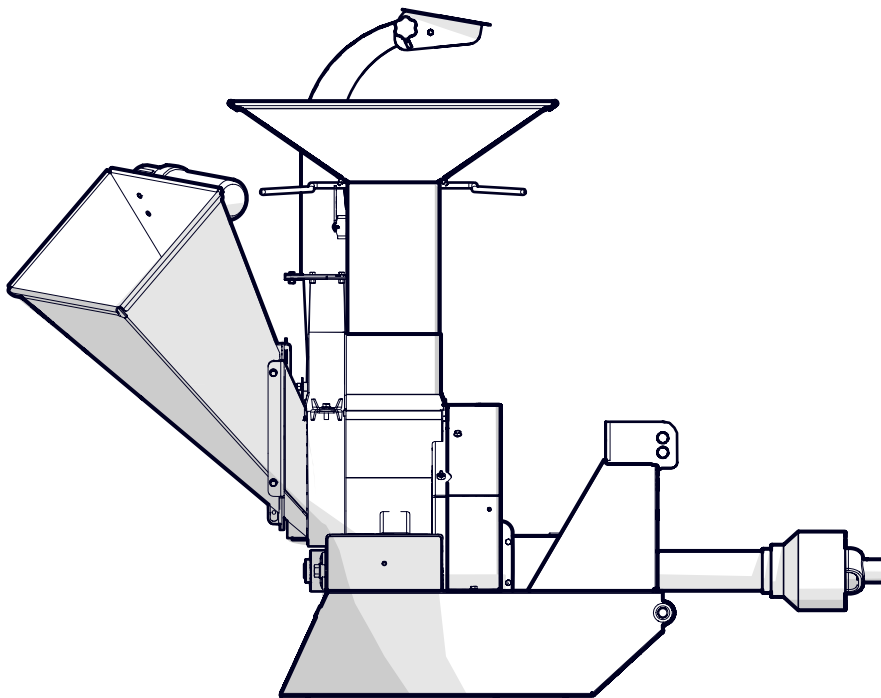


PARTS MANUAL

Serial Number 1M32889 & up

BXM32 3PH CHIPPER-SHREDDER



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.

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WARNING!

Refer to the operators manual for safe operation and maintenance.

Maintenance should be performed by trained personnel only.

Serial Number Location

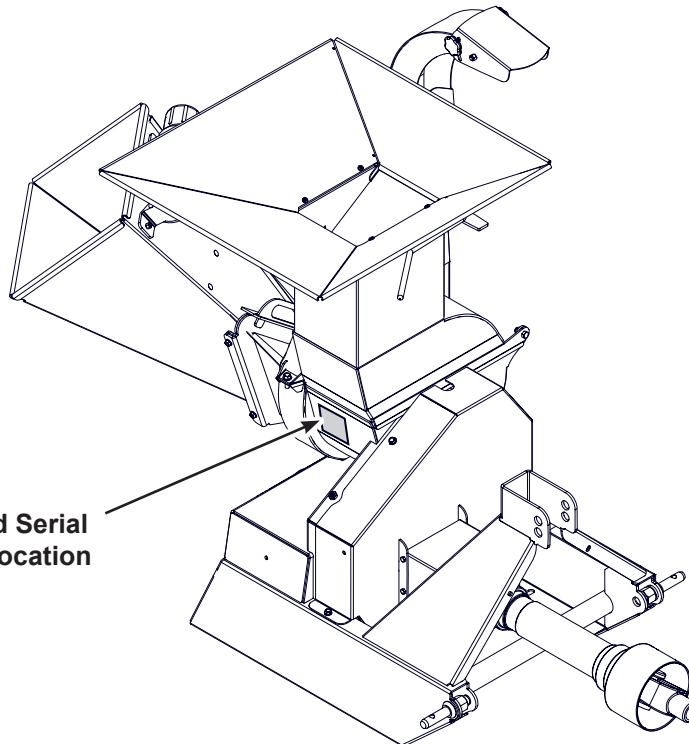
Always provide the model and serial number of your Wallenstein product when ordering parts or requesting service or other information. This information is found on the product information plate as shown below.

Record your product information here for future reference.

Model _____

Serial Number _____

**Model and Serial
Number Location**



www.wallensteinequipment.com

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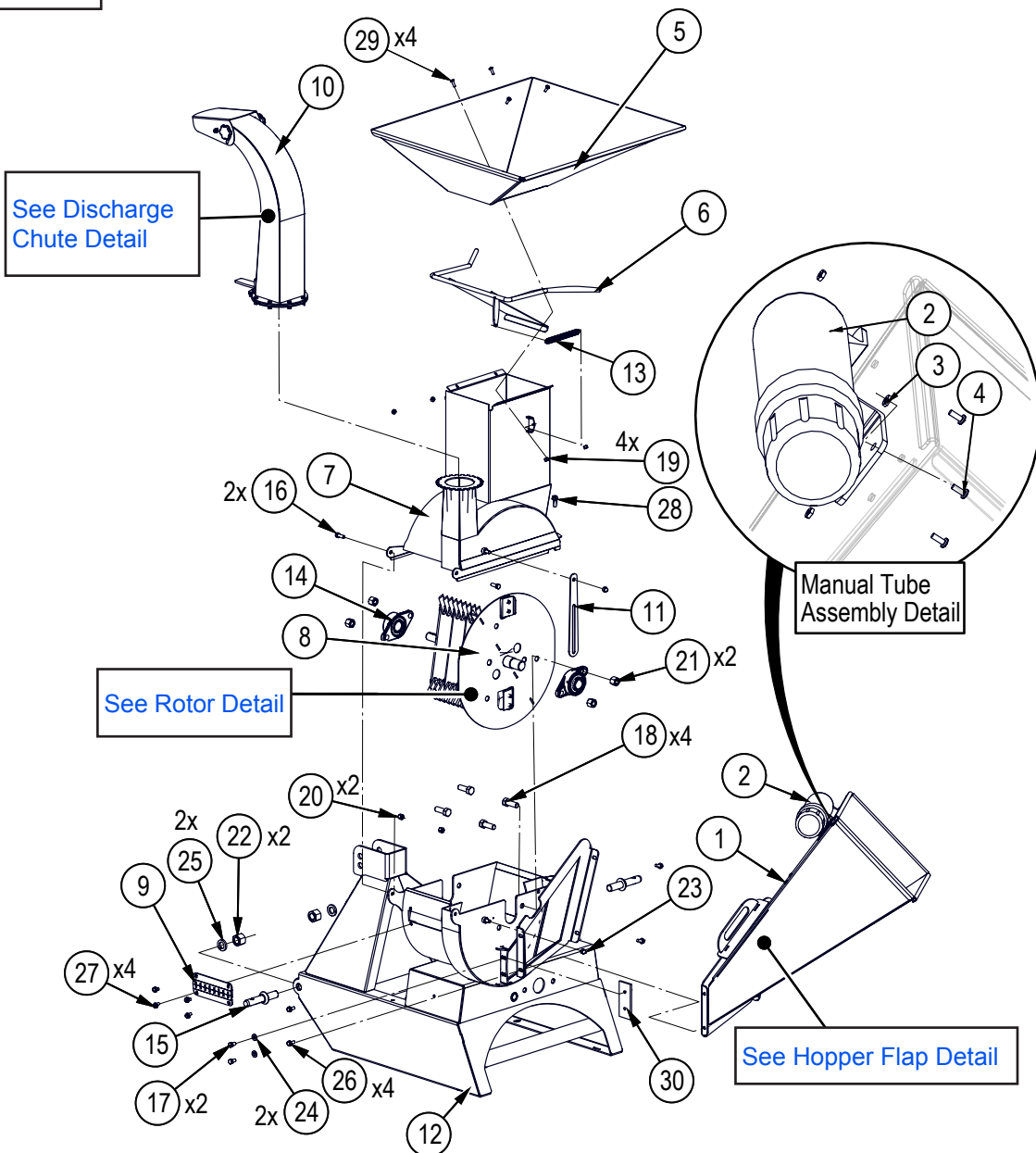
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Main Parts



Item No.	Part No.	Description	Qty
1	1018W107	Chipper Chute	1
2	Z96503	Manual Tube, 3-1/2" Short	1
3	Z72752	Machine Nut, #10NF	3
4	Z78303	Machine Screw, #10NF x 1/2"	3
5	1056W617	Hopper Shredder Top	1
6	1056W107	Shredder, Chute Flapper	1
7	1056W102	Housing, Upper Rotor	1
8	1056W103	Rotor	1
9	1056W610	Concave	1
10	1056A302	Assembly, Discharge Chute	1
11	1056L229	Positive Stop Plate	1
12	1017W720	Housing, Bottom Rotor	1
13	Z31301	Ext Spring, 17mm OD x 140mm x 0.080"	1
14	Z25103	2-Bolt Flange Bearing, UCFL206-20	2
15	Z11431	Implement Pin, 7/8" x 1-3/4" x 7/8NF	2
16	Z71310	Hex Bolt, 3/8NC x 1"	2

Item No.	Part No.	Description	Qty
17	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	2
18	Z71617	Hex Bolt, 5/8NC x 1-3/4"	4
19	Z72211	Hex Lock Nut, 1/4NC	4
20	Z72231	Hex Lock Nut, 3/8NC	2
21	Z72261	Hex Lock Nut, 5/8NC	4
22	Z72282	Hex Lock Nut, 7/8NF	2
23	Z72911	Acorn Nut, 3/8NC	2
24	Z73131	SAE Washer, 3/8"	2
25	Z73381	Split Lock Washer, 7/8"	2
26	Z76121	Flange Bolt, 5/16NC x 3/4"	4
27	Z76122	Flange Bolt, 5/16NC x 1/2"	4
28	Z76134	Flange Bolt, 3/8NC x 1"	1
29	Z78301	Machine Screw, 1/4NC x 3/4"	4
30	1056M304	Knife, 3" Ledger	1

This diagram shows an exploded view of a mechanical assembly. The components are numbered as follows:

- 1: Small rectangular plate
- 2: Main base housing
- 3: Long vertical support arm
- 4: Top housing cover
- 5: Small pin/bush
- 6: Small roller wheel
- 7: Grease whip hose
- 8: Spring-loaded lever arm
- 9: Large looped metal band
- 10: Small pin/bush
- 11: Small pin/bush
- 12: Large spoked wheel
- 13: Small roller wheel
- 14: Small roller wheel
- 15: Long drive shaft
- 16: Small pin/bush
- 17: Small pin/bush
- 18: Small pin/bush
- 19: Small pin/bush
- 20: Small pin/bush
- 21: Small pin/bush
- 22: Small pin/bush
- 23: Small pin/bush
- 24: Small pin/bush
- 25: Small pin/bush
- 26: Small pin/bush
- 27: Spring

Quantities are indicated by 'x' followed by a number:

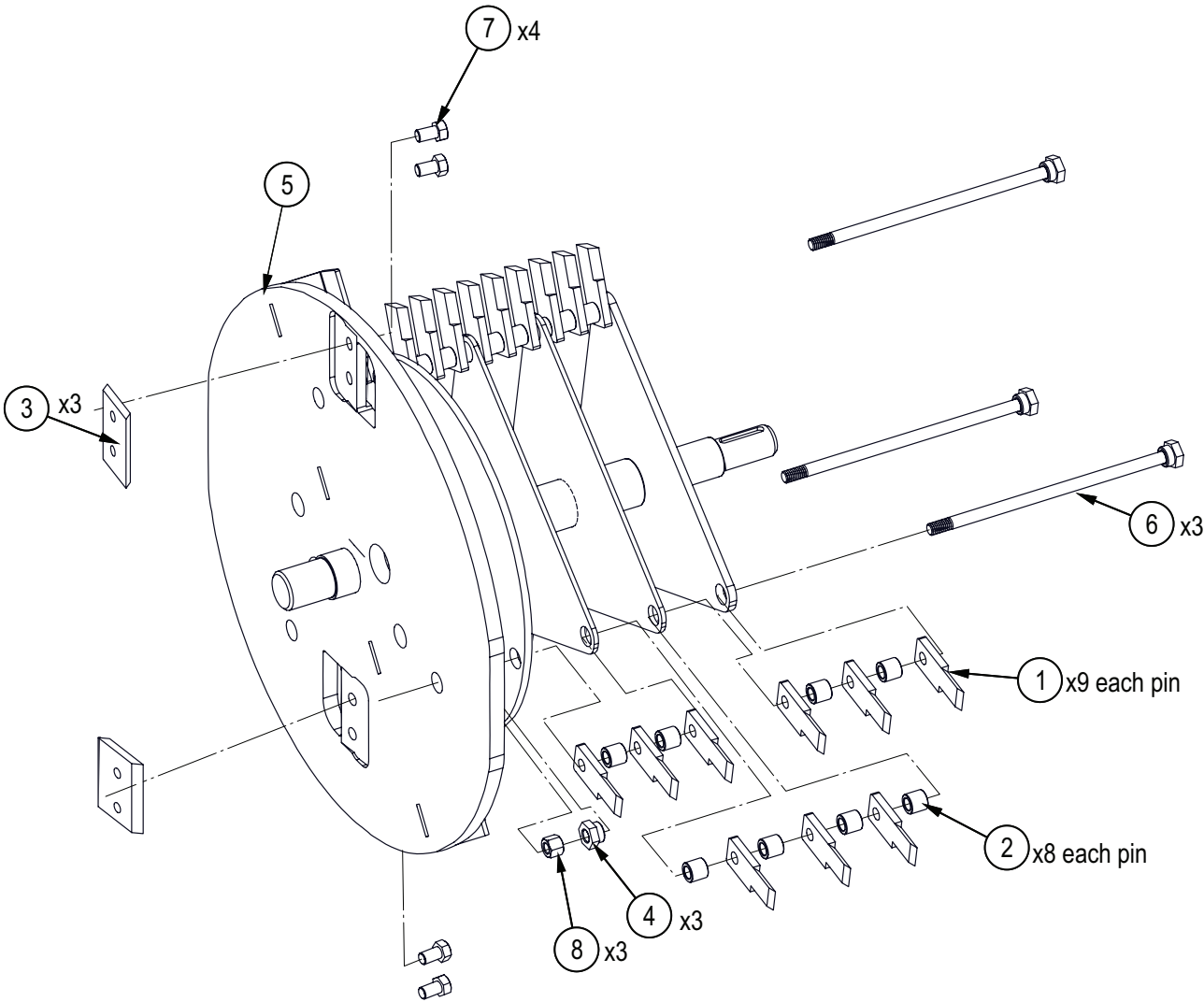
- 18 x4
- 22 x2
- 26 x3
- 23 x4
- 9 x2
- 22 x2
- 19 x2
- 20 x3

Callouts include:

- Grease Whip Hose (pointing to part 7)
- See Rotor Detail (pointing to the rotor assembly area)
- Bottom Rotor Housing (pointing to the base of the rotor assembly)

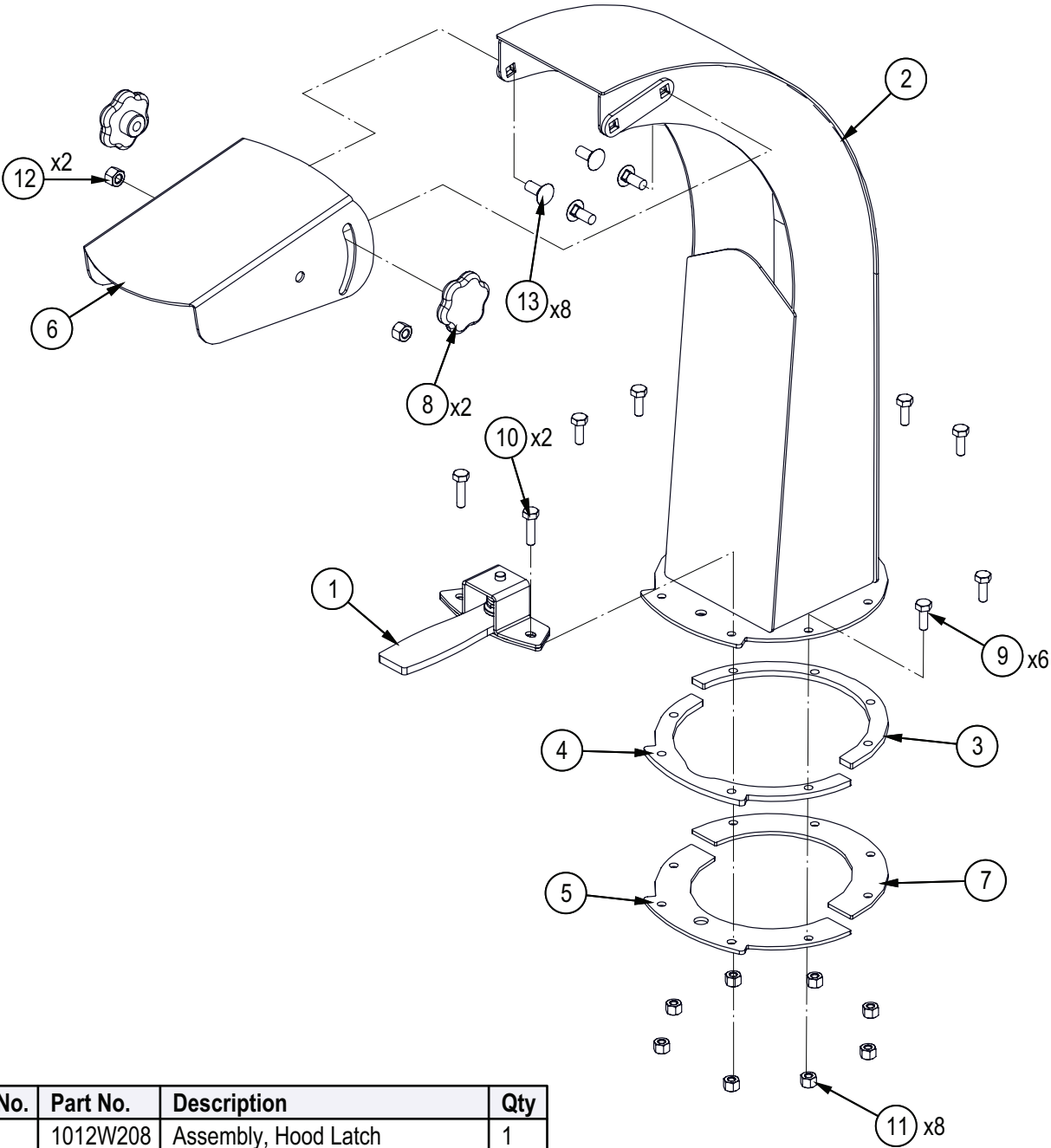
Item No.	Part No.	Description	Qty
15	Z44402	PTO Shaft, Series B4 x 32.402"	1
16	Z46534	Key, 1/4" x 1/4" x 1-1/4"	1
17	Z46544	Key, 5/16" x 5/16" x 1-1/4"	1
18	Z71107	Hex Bolt, 1/4NC x 3/4"	4
19	Z71120	Hex Bolt, 1/4NC x 2"	2
20	Z71220	Hex Bolt, 5/16NC x 2"	3
21	Z71310	Hex Bolt, 3/8NC x 1"	1
22	Z71617	Hex Bolt, 5/8NC x 1-3/4"	4
23	Z72211	Hex Lock Nut, 1/4NC	4
24	Z72221	Hex Lock Nut, 5/16NC	1
25	Z72261	Hex Lock Nut, 5/8NC	5
26	Z76121	Flange Bolt, 5/16NC x 3/4"	3
27	Z76521	Eye Bolt, 5/16NC x 4"	1

Rotor Detail



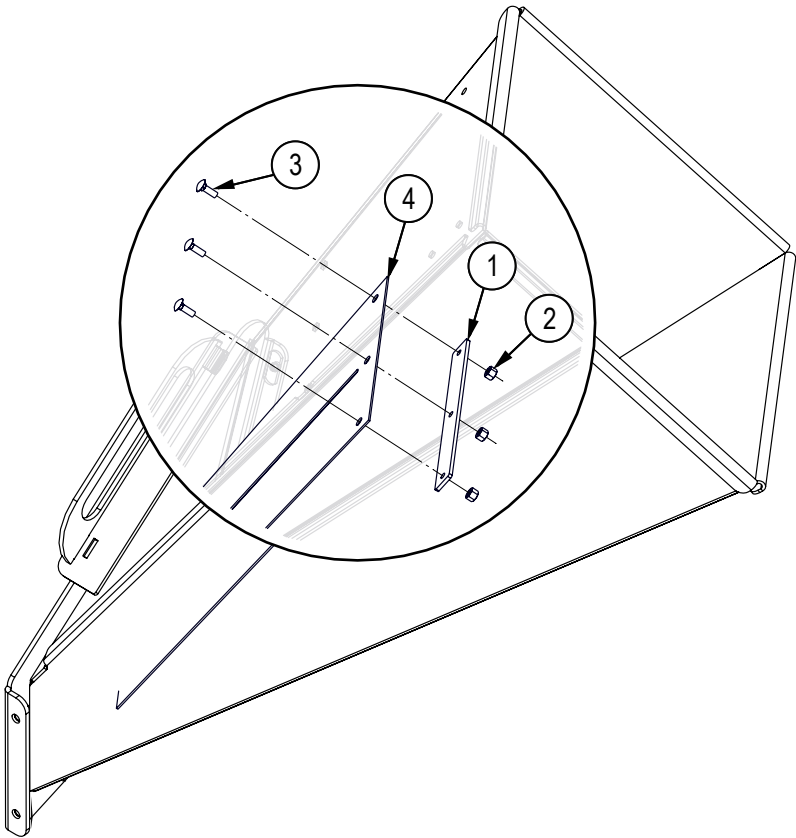
Item No.	Part No.	Description	Qty
1	1056M108	Knife, Shredder	27
2	1056M115	Spacer, Shredder .580	24
3	1056M303	Knife, 3" Rotor	2
4	1056M626	Retainer Rod Head	3
5	1056W103	Rotor	1
6	1056W614	Hammer Retainer Pin	3
7	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	4
8	Z72231	Hex Lock Nut, 3/8NC	3

Discharge Chute Assembly



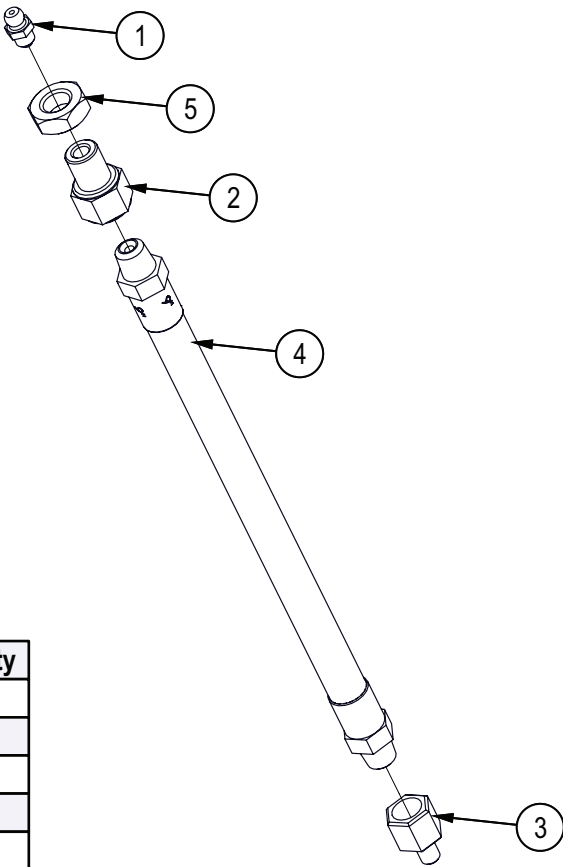
Item No.	Part No.	Description	Qty
1	1012W208	Assembly, Hood Latch	1
2	1056W307	Discharge Chute	1
3	1056L327	Ring	1
4	1056L329	Plate, Spacer Ring	1
5	1056L330	Plate, Hood Cature	1
6	1056L333	Deflector, Discharge Chute	1
7	1056L334	Ring	1
8	Z19313	Hand Knob, 5/16NC Female Stud	2
9	Z71107	Hex Bolt, 1/4NC x 3/4"	6
10	Z71110	Hex Bolt, 1/4NC x 1"	2
11	Z72211	Hex Lock Nut, 1/4NC	8
12	Z72221	Hex Lock Nut, 5/16NC	2
13	Z76221	Carriage Bolt, 5/16NC x 3/4"	4

Hopper Flap Detail



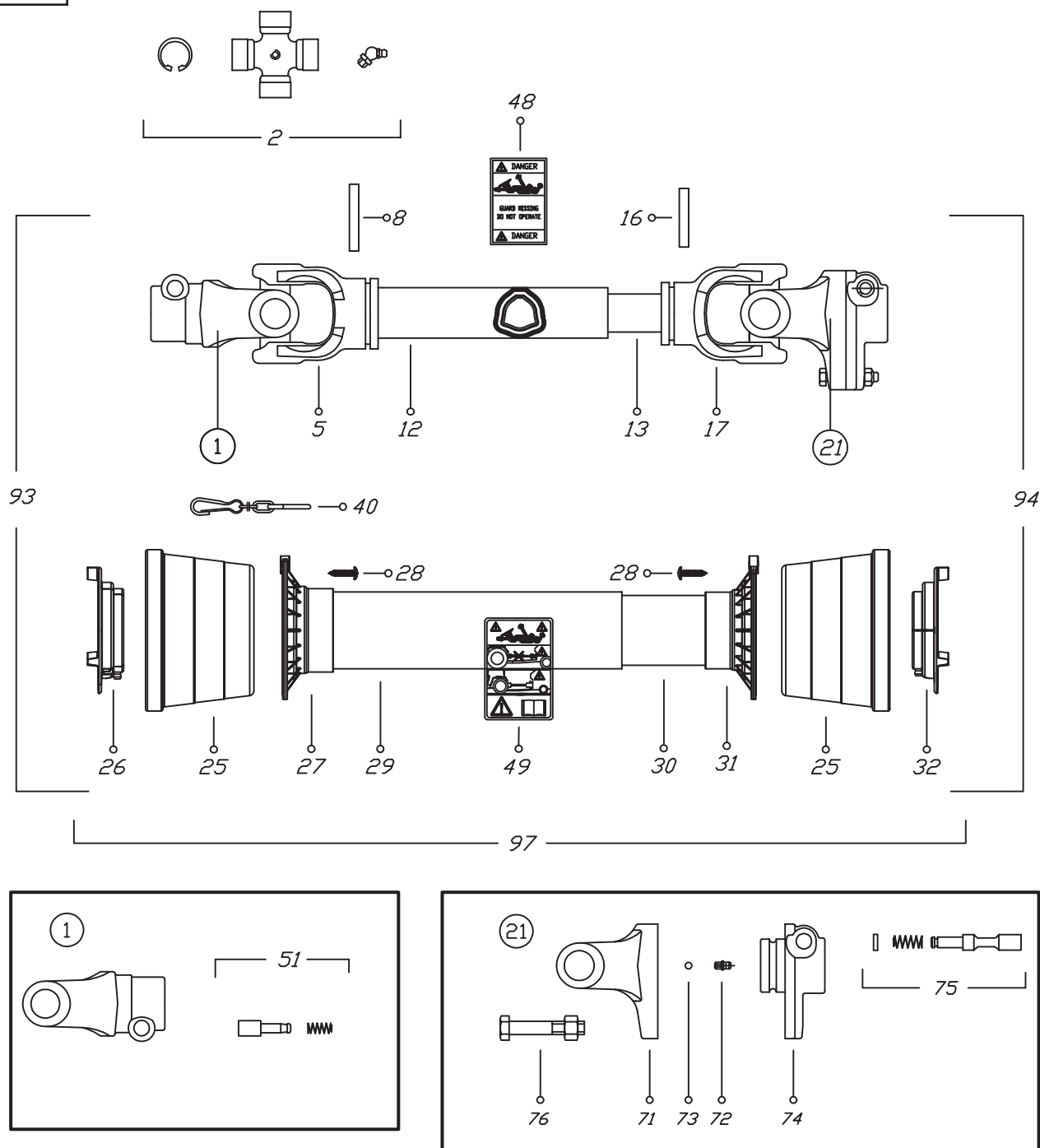
Item No.	Part No.	Description	Qty
1	1018L994	Chipper Chute Flap Clamp	1
2	Z72211	Hex Lock Nut, 1/4NC	3
3	Z76211	Carriage Bolt, 1/4NC x 3/4"	3
4	1056S604	Flap, Hopper	1

Grease Whip Detail



Item No.	Part No.	Description	Qty
1	Z29202	Grease Fitting, 1/4NF	1
2	Z29206	Bulkhead, FP x FP 0402 x 7/16NC	1
3	Z29303	Grease Fitting, FP02 x 1/4NF	1
4	Z29304	1/4" Grease Whip, MP x MP 0202 x 9"	1
5	Z72341	Jam Nut, 7/16NC	1

PTO Shaft



PTO Shaft – P/N Z44402

Item.	Description	Qty.	Part Number
1	YOKE	1	0800403
2	CROSS JOURNAL ASS.	2	08204
5	OUTER TUBE YOKE	1	08004021
8	FLEXIBLE PIN	1	098700860
12	CM. 100 CARDAN TUBE(*)	1	09881433100
13	CM. 100 CARDAN TUBE(*)	1	09881364100
16	FLEXIBLE PIN	1	098700855
17	INNER TUBE YOKE	1	08004011
21	SHEAR BOLT M8X1.25X45	1	Z44902
25	CONE SHIELD BELL 03-04	2	021904C001
26	OUTER BEARING 03-04	1	025504C001
27	OUTER BASE CONE 03-04	1	025404C001
28	SCREW	6	0998052242
29	OUTER SAFETY TUBE	1	0988966NB4061
30	INNER SAFETY TUBE	1	0988961NB4061

Item.	Description	Qty.	Part Number
31	INNER BASE CONE 03-04	1	025404C002
32	INNER BEARING 03-04	1	025504C002
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 LB4	1	08896904
72	GREASE NIPPLE	1	0984010150
73	STEEL BALL	23	098680104
74	HUB	1	088964
75	PUSH PIN SET	1	0986014075
76	NUT AND SHEARBOLT M8 x 1.25 x 45	1	Z44902
93	OUTER HALF SHAFT	1	B4N061US2
94	INNER HALF SHAFT	1	B4N061US1098
97	SAFETY GUARD	1	083US04061

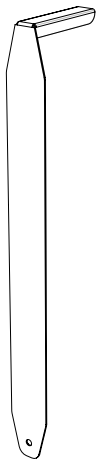
Safety signs are included in the product decal kit available from your authorized dealer. Decals are not available separately.



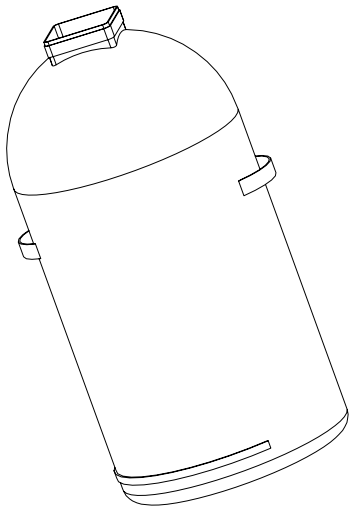
The diagram illustrates the safety labeling for the Wallenstein BXM32 machine. It shows the machine's structure with various safety labels and their corresponding pictograms:

- Top Left Label:** A yellow rectangular label with two pictograms: a falling person and a person being struck by a moving part.
- Top Right Label:** A yellow rectangular label with two pictograms: a falling person and a person being struck by a moving part.
- Bottom Left Label:** A yellow rectangular label with two pictograms: a falling person and a person being struck by a moving part.
- Bottom Right Label:** A yellow rectangular label with two pictograms: a falling person and a person being struck by a moving part.
- Machine Body Labels:** Two yellow rectangular labels with pictograms of a falling person and a person being struck by a moving part, located on the side of the machine.
- Machine Nameplate:** A black rectangular label with the text "WALLENSTEIN BXM32" in white.
- Machine Nameplate:** A black rectangular label with the text "WALLENSTEIN BXM32" in white.
- Machine Nameplate:** A black rectangular label with the text "WALLENSTEIN BXM32" in white.
- Machine Nameplate:** A black rectangular label with the text "WALLENSTEIN BXM32" in white.

Accessories



Ledger Clearance Setting Gauge
P/N 1012L269



Mulch Collector Bag
P/N 10182S352

Call your dealer for pricing and availability

Common Bolt Torque Values

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

Hydraulic Fitting Torque Values

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.