



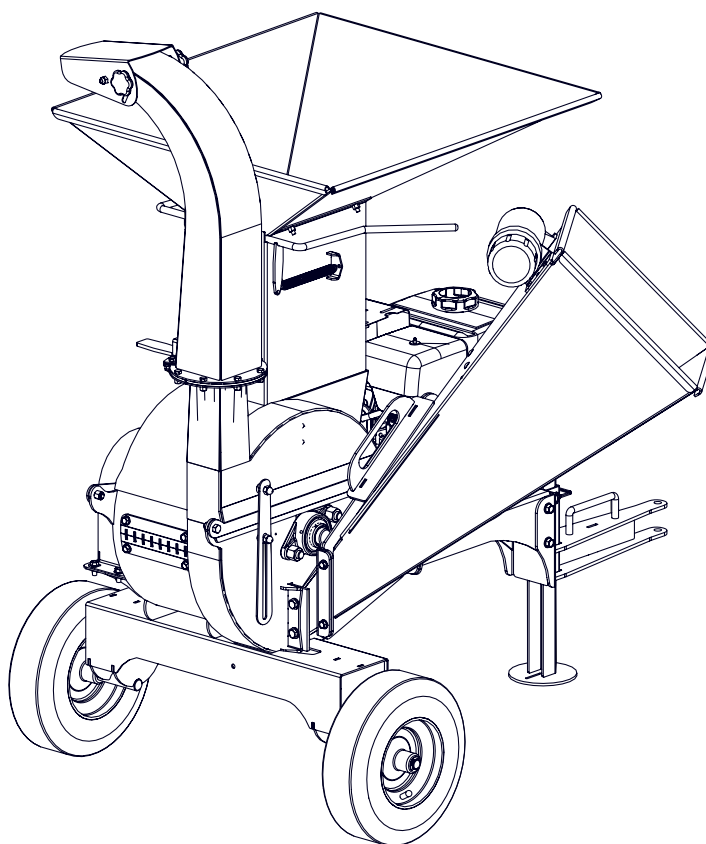
EMB Manufacturing Inc.
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PARTS MANUAL

BXMT3209

Chipper-Shredder

Serial Number 1MT3209200 & up



Refer to the operators manual for safe
operation and maintenance

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 at the date of printing. 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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WARNING!

Refer to the operators manual for safe operation and maintenance.

Maintenance should be performed by trained personnel only.

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

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.

Wheel Lug Torque

It is extremely important safety procedure to apply and maintain proper wheel mounting torque on your trailer axle. Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastener.

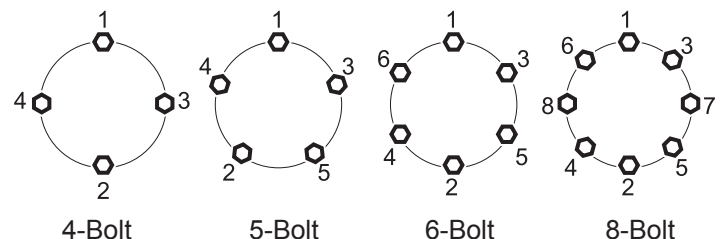
Wheel lugs should be torqued before first road use and after each wheel removal. Check and re torque after the first 16 Km (10 miles), 40 Km (25 miles), and again at 80 Km (50 miles). Check periodically thereafter.

Note: Wheel lugs must be applied and maintained at the proper torque levels to prevent loose wheels, broken studs, and possible dangerous separation of wheels from your axle.

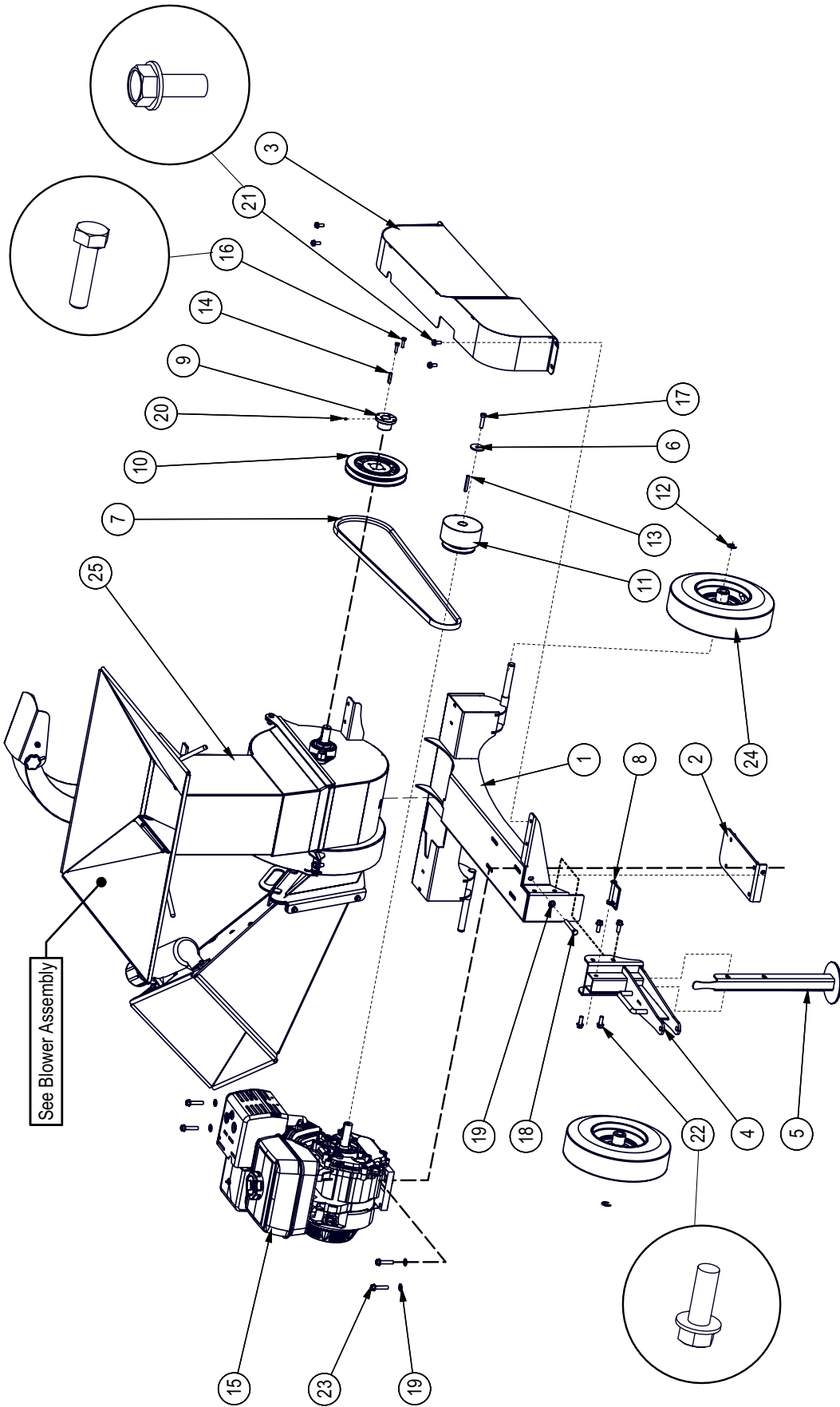
- Start all lugs by hand to prevent cross threading.
- Tighten lugs in sequence, per wheel lug torque sequence chart.
- The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners per wheel torque requirements chart.

Wheel Lug Nut Torque				
Wheel Size	Units	1st Stage	2nd Stage	3rd Stage
8"	lbf•ft N•m	12–20 16–26	30–35 39–45.5	45–55 58.5–71.5
12"	lbf•ft N•m	20–25 26–32.5	35–40 45.5–52	50–60 65–78
13"	lbf•ft N•m	20–25 26–32.5	35–40 45.5–52	50–60 65–78
14"	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156
15"	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156
16"	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156

Wheel Lug Torque Pattern



Main Parts



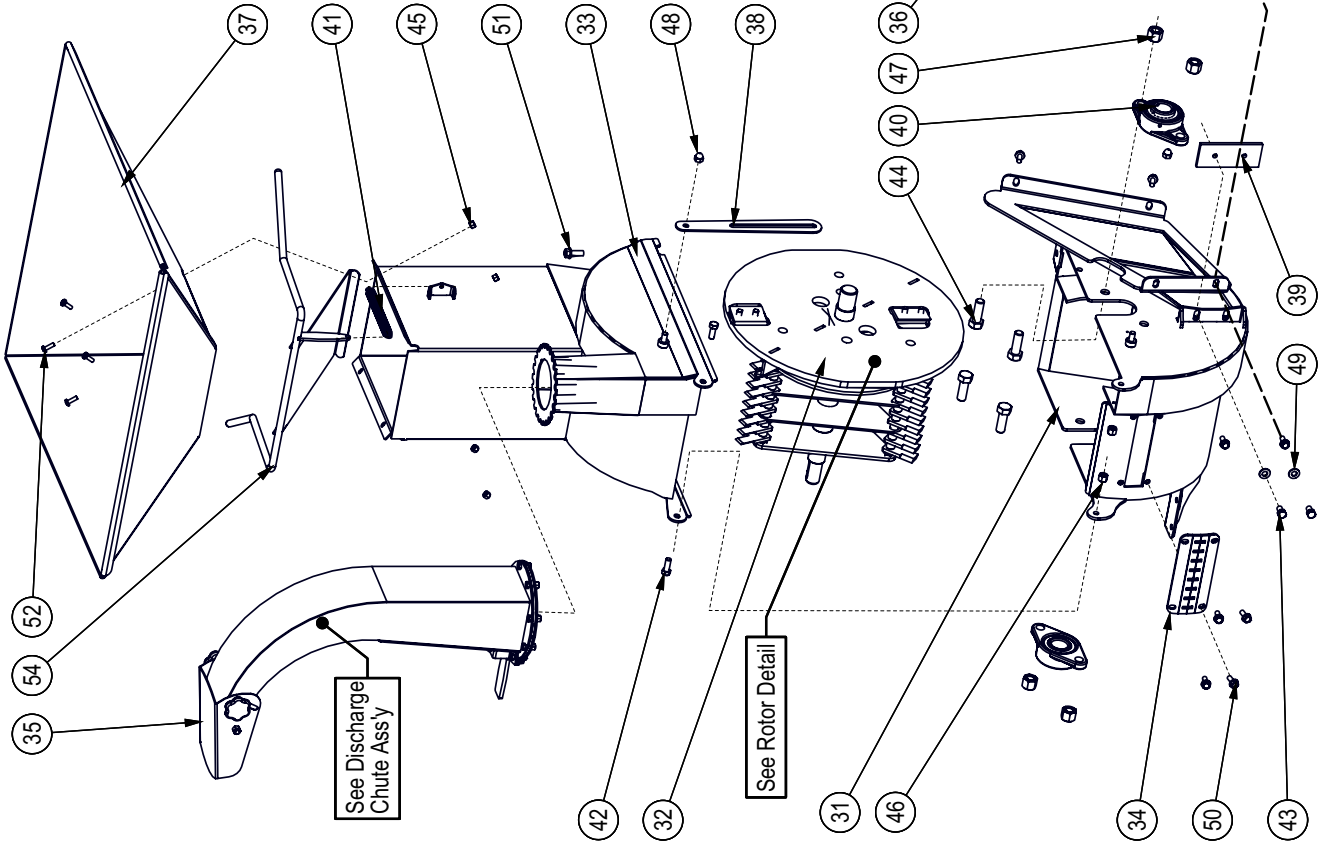
BOM ID	Part No.	Description	Qty
19	Z73131	SAE Washer, 3/8"	5
20	Z74102	Set Screw, #10NC x 1/4"	1
21	Z76121	Flange Bolt, 5/16NC x 3/4"	4
22	Z76134	Flange Bolt, 3/8NC x 1"	4
23	Z76138	Flange Bolt, 3/8NC x 1-3/4"	4
24	Z91311	4, 10-6NHS 2PR 290lbs Sawtooth x 3/4"	2
25	1056A901	Blower Assembly for BXMT	1

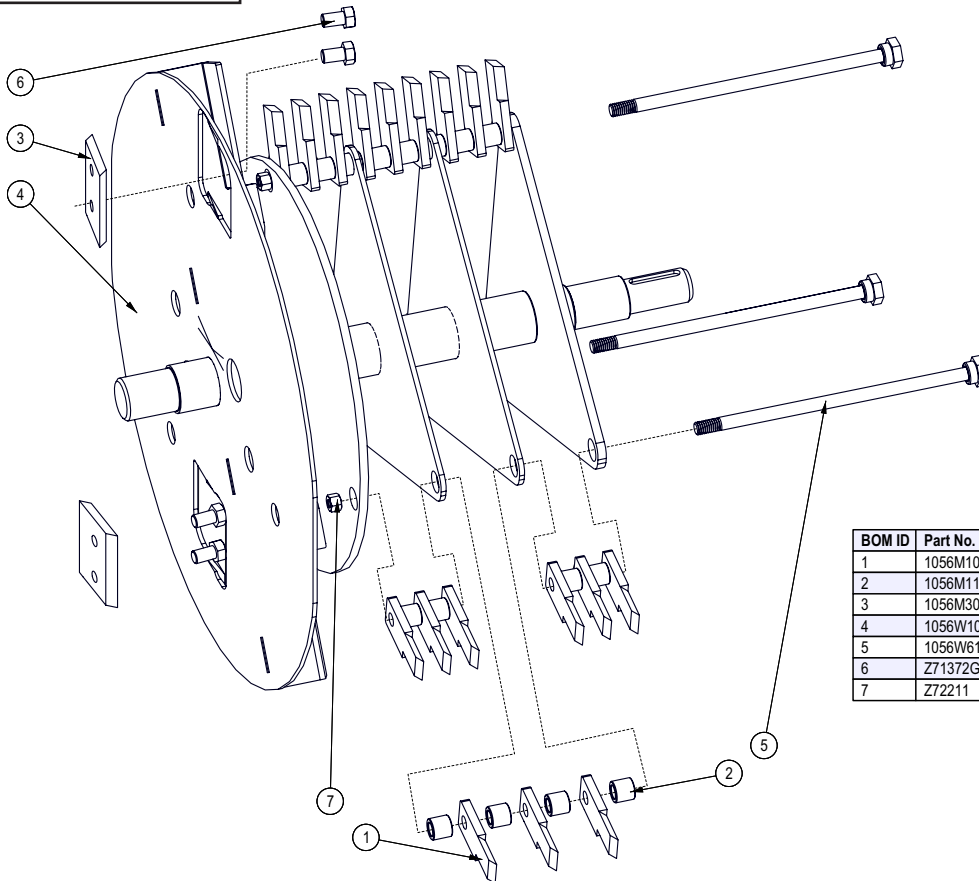
BOM ID	Part No.	Description	Qty
10	Z41613	Sheave, MBL74 x L	1
11	Z41803	Centrifugal Clutch, 1B36 x 1"	1
12	Z46203	E-Style Retaining Ring, 3/4"	2
13	Z46531	Key, 1/4" x 1/4" x 2"	1
14	Z46534	Key, 1/4" x 1/4" x 1-1/4"	1
15	Z47135	Honda GX270UTQH6, Rope	1
16	Z71110	Hex Bolt, 1/4NC x 1"	2
17	Z71377	Hex Bolt, 3/8NF x 1-1/2"	1
18	Z71391	Hex Bolt, 3/8NC x 3" Full Threads	1

BOM ID	Part No.	Description	Qty
1	1057W731	Main Base	1
2	1056W611	Belt Tightener	1
3	1056W615	Shield	1
4	1057W702	Tongue Weldment	1
5	1057W701	Jack Stand	1
6	1056L665	Clutch Washer	1
7	Z41160	Single Belt, B64	1
8	Z12432	Snap Lock Pin, 3/8" x 2-1/2"	1
9	Z41510	Hub, L x 1"	1

Blower Assembly

BOM ID	Part No.	Description	Qty
31	1056W101	Housing, Bottom Rotor	1
32	1056W103	Rotor	1
33	1056W102	Housing, Upper Rotor	1
34	1056W610	Concave	1
35	1056A302	Assembly, Discharge Chute	1
36	1018W107	Chipper Chute	1
37	1056W617	Hopper Shredder Top	1
38	1056L229	Positive Stop Plate	1
39	1056M304	Knife, 3" Ledger	1
40	Z25103	2-Bolt Flange Bearing, UCFL206-20	2
41	Z31301	Ext Spring, 17mm OD x 140mm x 0.080"	1
42	Z71310	Hex Bolt, 3/8NC x 1"	2
43	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	2
44	Z71617	Hex Bolt, 5/8NC x 1-3/4"	4
45	Z72211	Hex Lock Nut, 1/4NC	7
46	Z72231	Hex Lock Nut, 3/8NC	2
47	Z72261	Hex Lock Nut, 5/8NC	4
48	Z72911	Acorn Nut, 3/8NC	2
49	Z73131	SAE Washer, 3/8"	2
50	Z76121	Flange Bolt, 5/16NC x 3/4"	8
51	Z76134	Flange Bolt, 3/8NC x 1"	1
52	Z78301	Machine Screw, 1/4NC x 3/4"	7
53	Z96503	Manual Tube, 3-1/2" Short	1
54	1056W107	Shredder, Chute Flapper	1



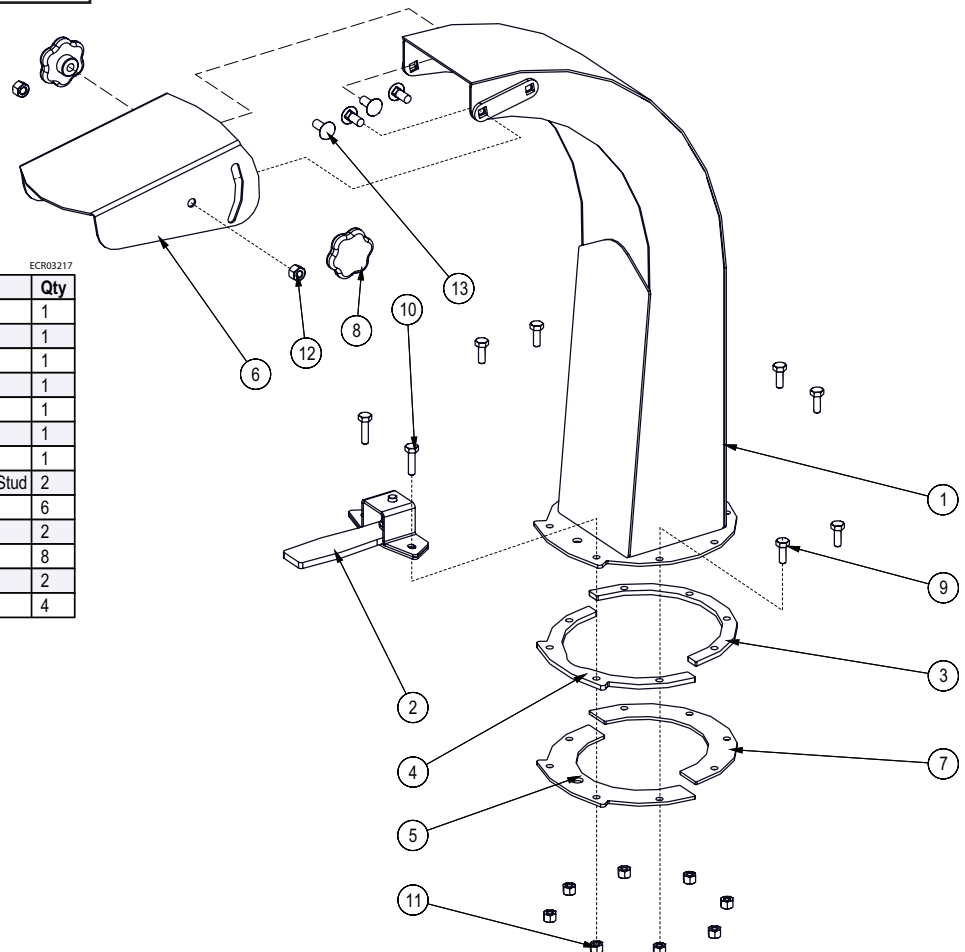
Rotor

BOM ID	Part No.	Description	Qty
1	1056M108	Knife, Shredder	27
2	1056M115	Spacer, Shredder .580	24
3	1056M303	Knife, 3" Rotor	2
4	1056W103	Rotor	1
5	1056W614	Hammer Retainer Pin	3
6	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	4
7	Z72211	Hex Lock Nut, 1/4NC	3

Discharge Chute Assembly

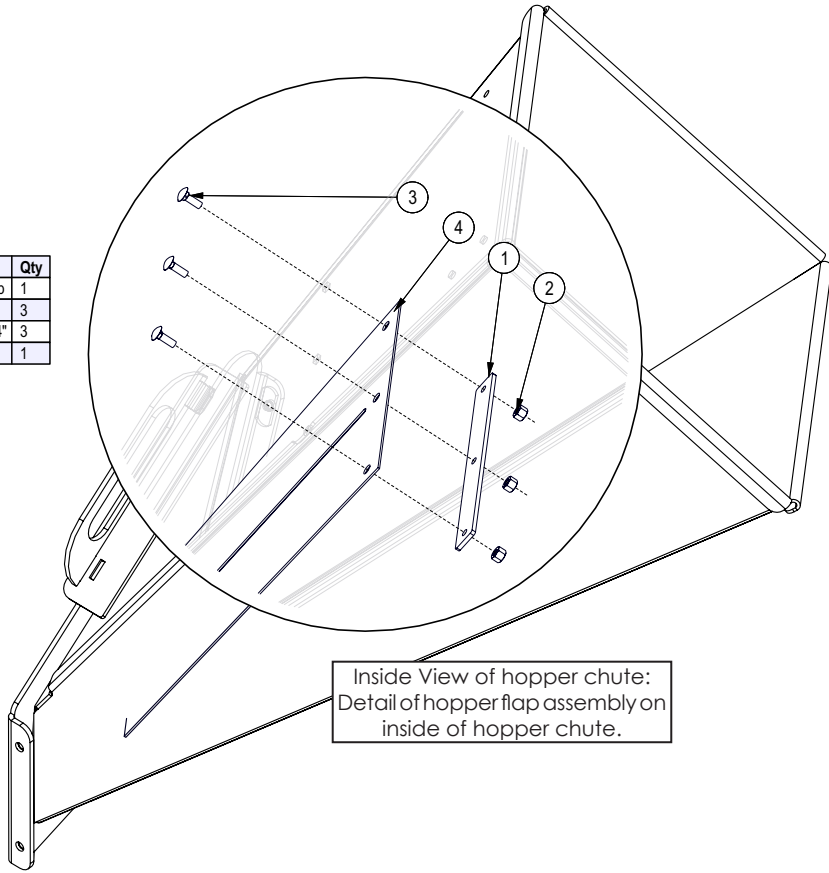
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BOM ID	Description	Description	Qty
1	1056W307	Discharge Chute	1
2	1012W208	Assembly, Hood Latch	1
3	1056L327	Ring	1
4	1056L329	Plate, Spacer Ring	1
5	1056L330	Plate, Hood Capture	1
6	1056L333	Deflector, Discharge Chute	1
7	1056L334	Ring	1
8	Z19313	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

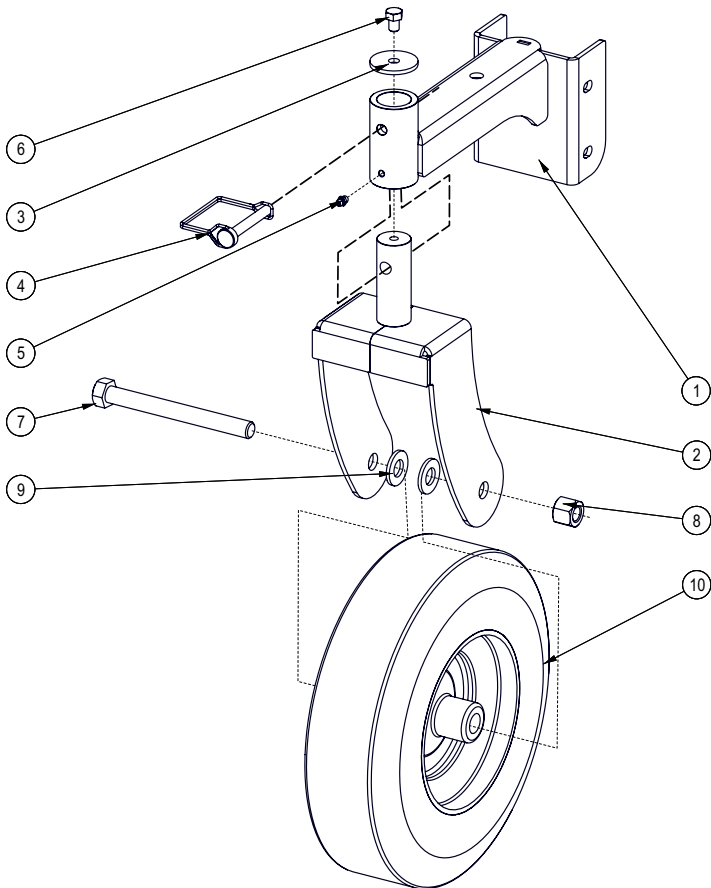


Hopper Flap Detail

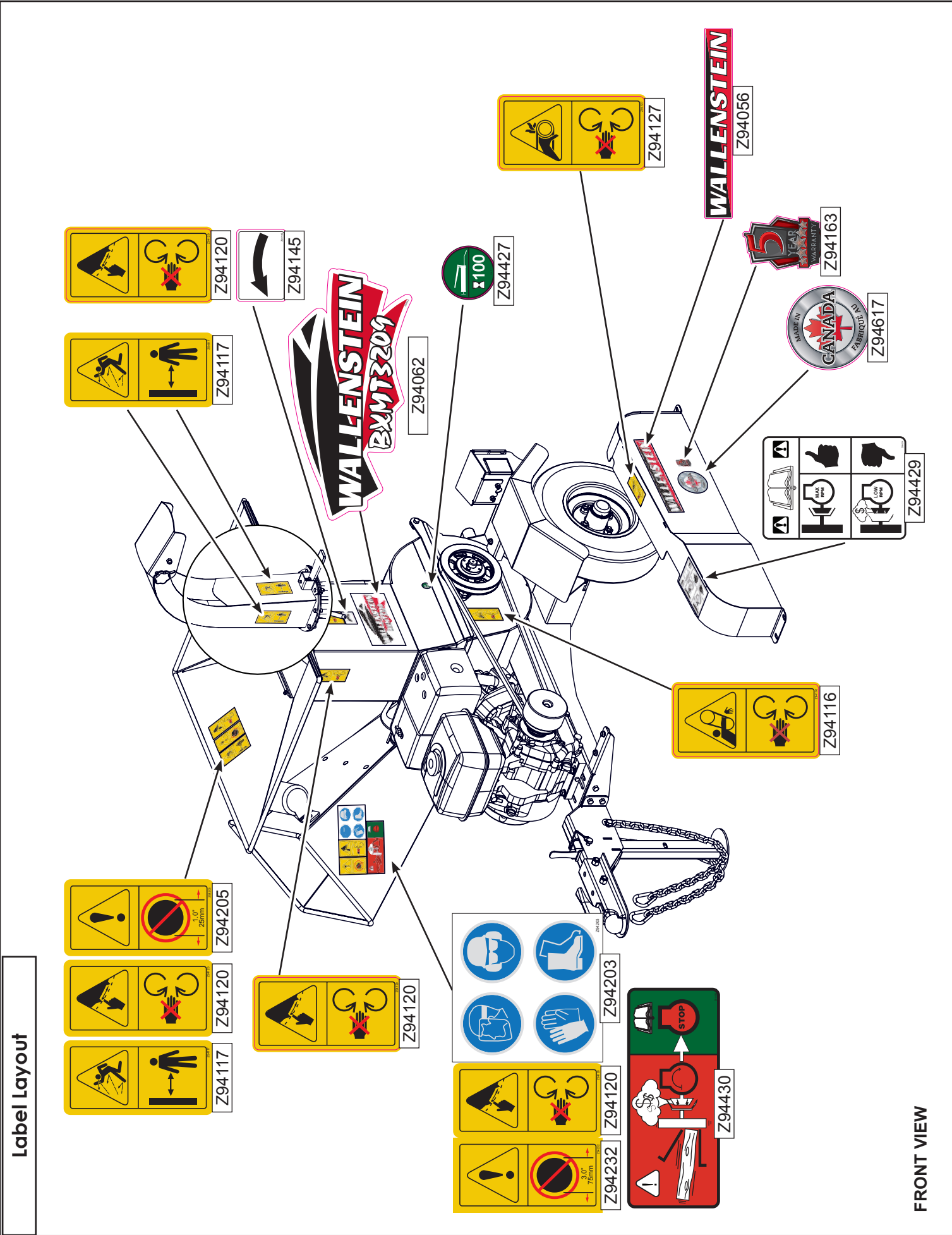
BOM ID	Part No.	Description	Qty
1	1018L994	Chipper Chute Flap Clamp	1
2	Z72211	Hex Lock Nut, 1/4NC	3
3	Z76211	Carriage Bolt, 1/4NC x 3/4"	3
4	1056S604	Flap, Hopper	1



Jockey Wheel - Option



BOM ID	Part No.	Description	Qty
1	1082W530	Weldment, Jockey Option	1
2	1082W531	Yoke, Jockey	1
3	2060L008	Washer, 3/8" Extra Wide	1
4	Z12432	Snap Lock Pin, 3/8" x 2-1/2"	1
5	Z29202	Grease Fitting, 1/4NF	1
6	Z71305	Hex Bolt, 3/8NC x 1/2"	1
7	Z71660	Hex Bolt, 5/8NC x 6"	1
8	Z72261	Hex Lock Nut, 5/8NC	1
9	Z73161	SAE Washer, 5/8"	2
10	Z91311	4.10-6NHS 2PR 290lbs Sawtooth x 3/4"	1



Label Layout

FRONT VIEW

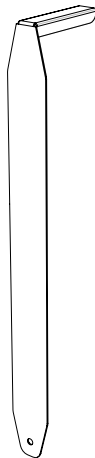


Label Check List

BXMT3209 & BXMT3213: Label Number & Designation List				
✓	Prt No.	Description	QTY	Models
	Z94232	75mm (3.0) Max Material Caution Decal	2	All
	Z94120	CE Danger Rotating Blades Decal	12	All
	Z94203	Protection Equipment	2	All
	Z94430	Cent. Clutch Jam	2	All
	Z94202	Severed Hand or Foot Hazard	1	All
	Z94117	CE Danger Thrown Object Decal	6	All
	Z94205	Hazard-Do Not Feed Over 76mm Material (3")	2	All
	Z94116	CE Danger Missing Shield Decal	1	All
	Z94127	CE Warning Rotating Part Decal	1	All
	Z94056	Wallenstein Decal 12.87"x1.87"	1	All
	Z94427	Grease 100hrs Label	2	All
	Z94427	Grease 100hrs Label	2	BXMT3213, BXMT3213EU
	Z94119	CE Decal-Operators Manual	1	All
	Z94143	Noise-121db Noise	1	All
	Z94144	RH Rotation Decal	1	All
	Z94145	LH Rotation Decal	1	All
	Z94429	Cent. Clutch	1	All
	Z94215	Frozen Battery Hazard	1	BXMT3213, BXMT3213EU
		Serial Label	1	

Accessories

Call your dealer for pricing and availability



#1012L269 LEDGER CLEARANCE SETTING GAUGE



**#Z97027
TRAILER CHIPPER-SHREDDER
OPERATOR'S MANUAL**

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