



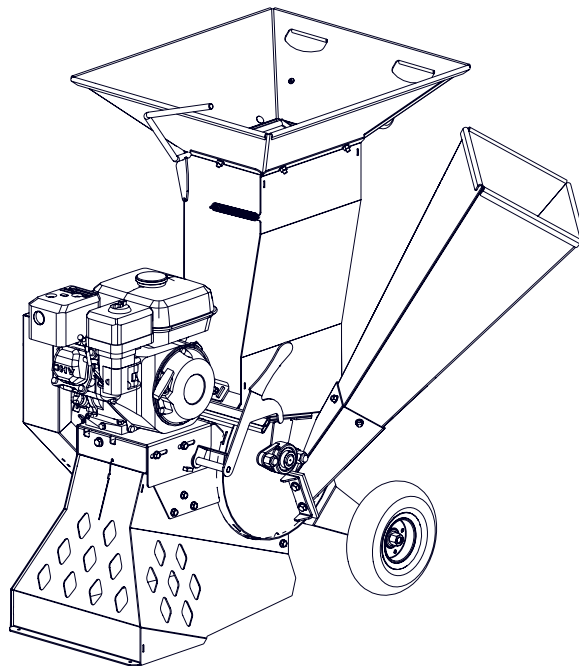
EMB Manufacturing Inc.
4144 Boomer Line · St. Clements, Ontario · N0B 2M0 · Canada
www.wallensteinequipment.com

PARTS MANUAL

BXMC34S

Chipper-Shredder

Serial Number 1MC34S1 & up



**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, 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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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.

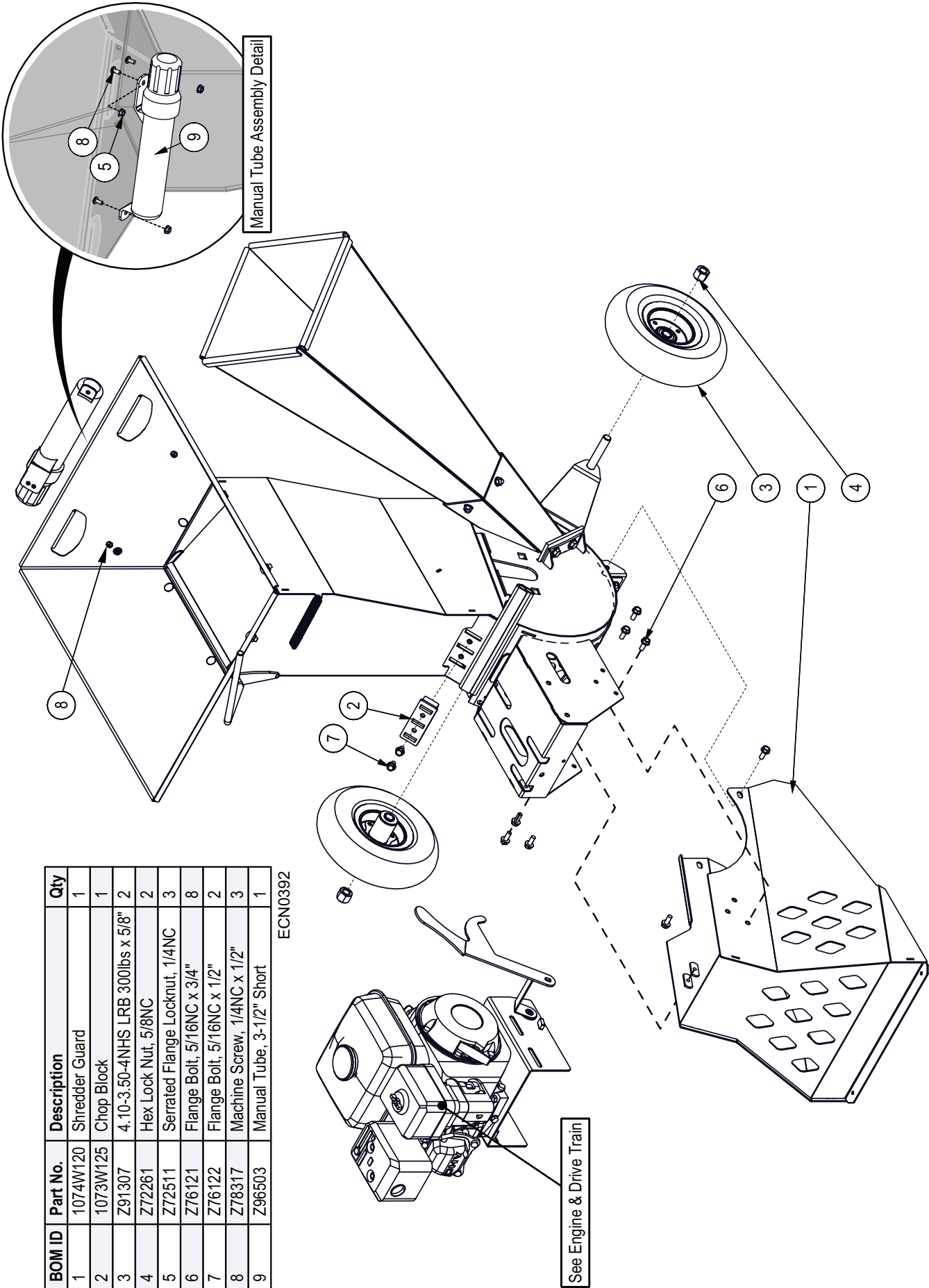
Hydraulic Fitting Torque					
Tube Size OD	Hex Size Across Flats	Torque value		Flats From Finger Tight	
Inches	Inches	lbf•ft	N•m	Flats	Turns
3/16	7/16	6	8	2	1/6
1/4	9/16	11–12	15–17	2	1/6
5/16	5/8	14–16	19–22	2	1/6
3/8	11/16	20–22	27–30	1-1/4	1/6
1/2	7/8	44–48	59–65	1	1/6
5/8	1	50–58	68–79	1	1/6
3/4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

Main Parts

BOM ID	Part No.	Description	Qty
1	1074W120	Shredder Guard	1
2	1073W125	Chop Block	1
3	Z91307	4.10-3.50-4NHS LRB 300lbs x 5/8"	2
4	Z72261	Hex Lock Nut, 5/8NC	2
5	Z72511	Serrated Flange Locknut, 1/4NC	3
6	Z76121	Flange Bolt, 5/16NC x 3/4"	8
7	Z76122	Flange Bolt, 5/16NC x 1/2"	2
8	Z78317	Machine Screw, 1/4NC x 1/2"	3
9	Z96503	Manual Tube, 3-1/2" Short	1

ECN0392



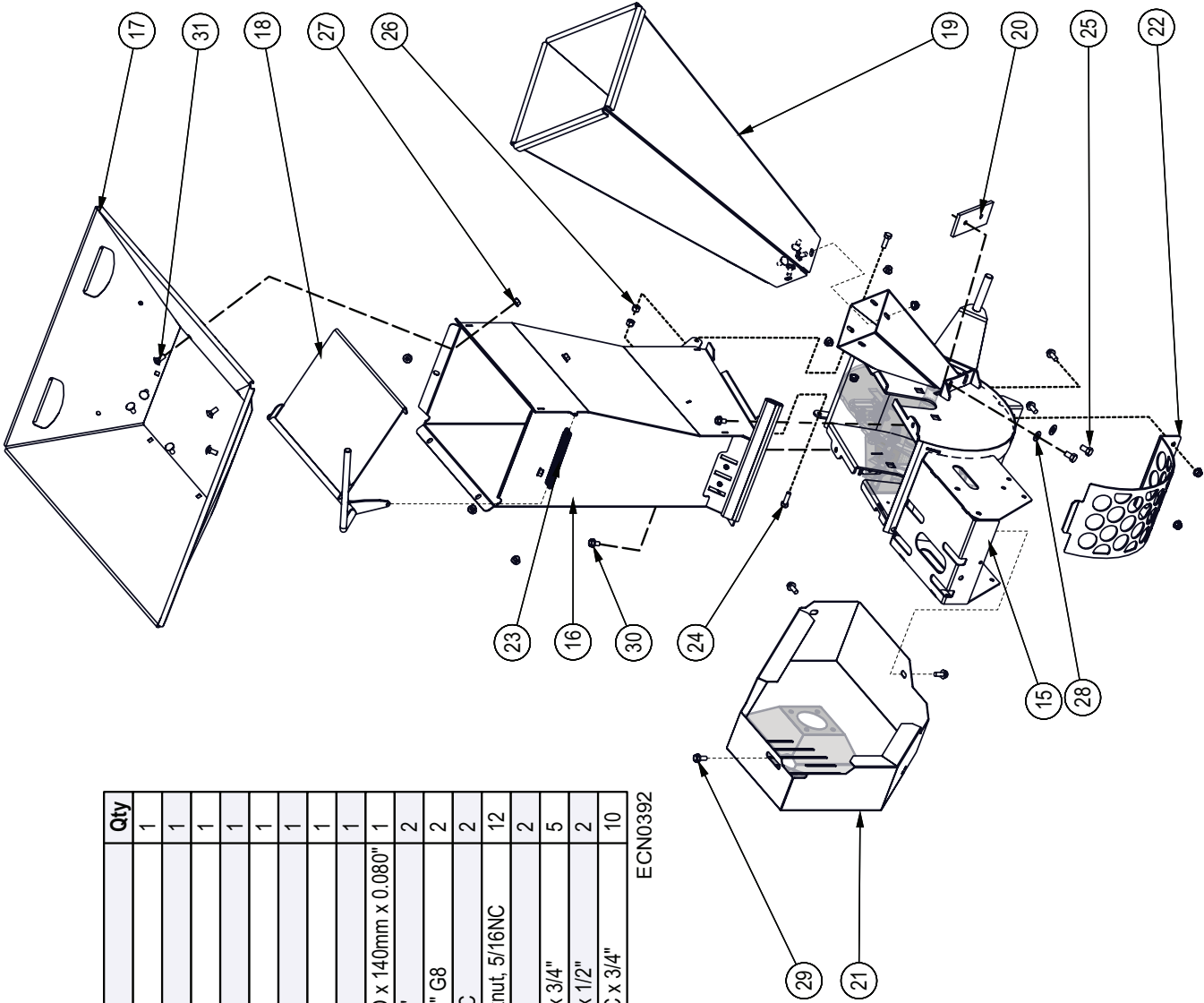
Manual Tube Assembly Detail

See Engine & Drive Train

Upper \ Bottom Rotor Housing

BOM ID	Part No.	Description	Qty
15	1074W102	Housing, Bottom	1
16	1074W104	Housing, Upper	1
17	1073W129	Hopper	1
18	1073W107	Flap, Hopper	1
19	1073W112	Extension	1
20	1056M304	Knife, 3" Ledger	1
21	1073L233	Belt Shield	1
22	1074L250	1-1/2" Round Screen	1
23	Z31301	Ext Spring, 17mm OD x 140mm x 0.080"	1
24	Z71210	Hex Bolt, 5/16NC x 1"	2
25	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	2
26	Z72221	Hex Lock Nut, 5/16NC	2
27	Z72521	Serrated Flange Locknut, 5/16NC	12
28	Z73131	SAE Washer, 3/8"	2
29	Z76121	Flange Bolt, 5/16NC x 3/4"	5
30	Z76122	Flange Bolt, 5/16NC x 1/2"	2
31	Z76221	Carriage Bolt, 5/16NC x 3/4"	10

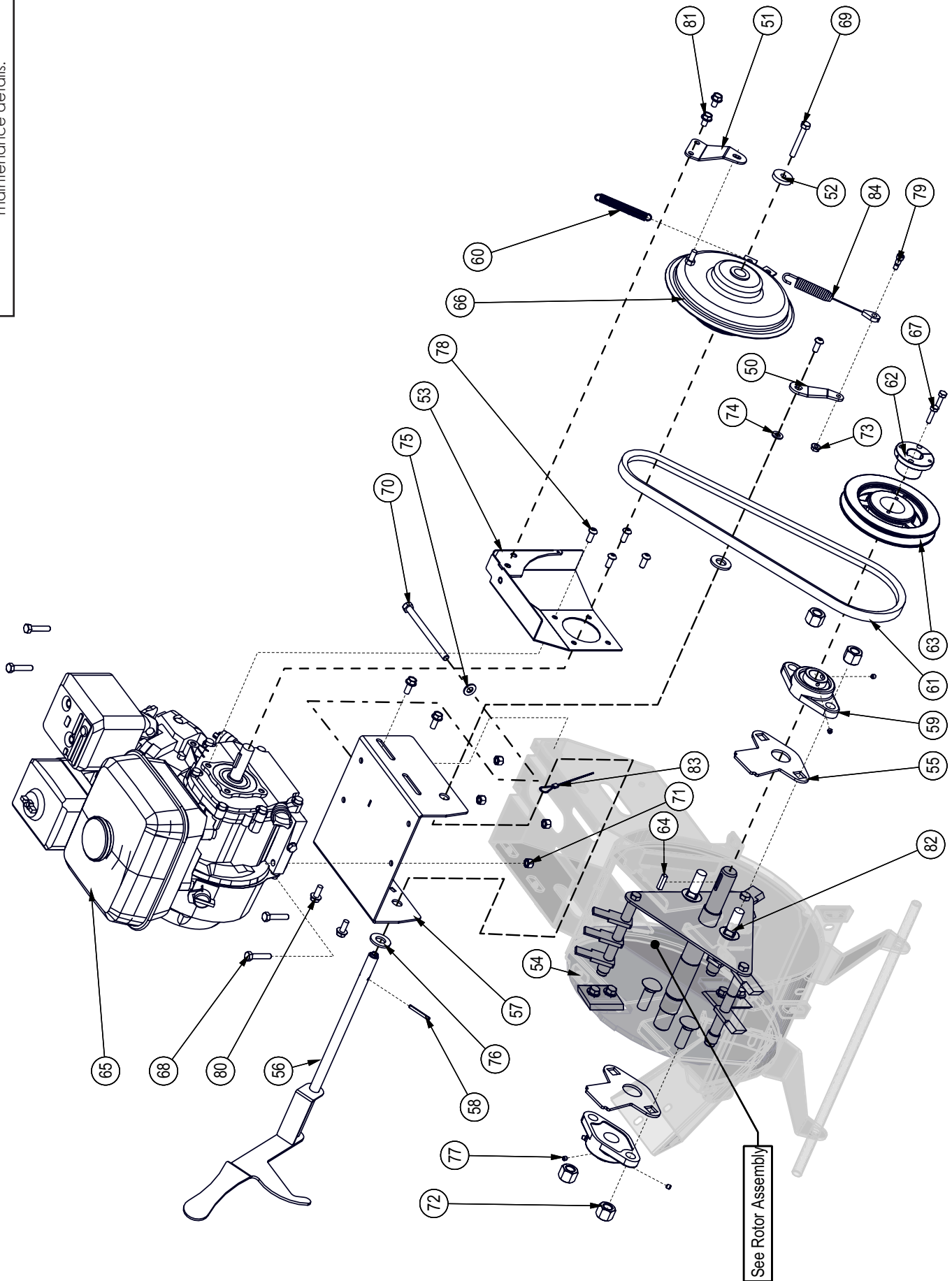
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HONDA GX200 Gasoline Engine

See engine owners manual for parts and maintenance details.

Engine and Driveline



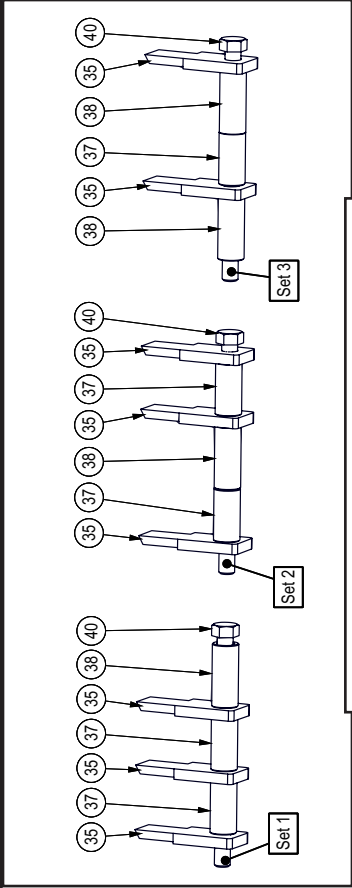
Engine and Driveline - BOM

BOM ID	Part No.	Description	Qty
50	1073L248	Clutch Actuator Foot	1
51	1073L263	Clutch Keep	1
52	1073L255	Trap Washer	1
53	1073W124	Shield Mount	1
54	1074A101	Assembly, Rotor	1
55	1074L266	Bearing Cover Plate	2
56	1074W121	Clutch Actuator	1
57	1074W122	Engine Plate	1
58	Z14151	Roll Pin, 3/16" x 1-1/2"	1
59	Z25101	2-Bolt Flange Bearing, UCFL205-16	2
60	Z31304	Ext Spring, 1/2" OD x 2-1/2" x .063"	1
61	Z41161	Single Belt, B42	1
62	Z41510	Hub, L x 1"	1
63	Z41609	Sheave, MBL62 x L	1
64	Z46533	Key, 1/4" x 1/4" x 1"	1
65	Z47131	Honda GX200UTQH6, Rope	1
66	Z49301	Brake Clutch, 3.6" x 3/4"	1
67	Z71110	Hex Bolt, 1/4NC x 1"	2

BOM ID	Part No.	Description	Qty
68	Z71215	Hex Bolt, 5/16NC x 1-1/2"	4
69	Z71277	Hex Bolt, 5/16NF x 2-1/4"	1
70	Z71390	Hex Bolt, 3/8NC x 5" Full Threads	1
71	Z72221	Hex Lock Nut, 5/16NC	4
72	Z72261	Hex Lock Nut, 5/8NC	4
73	Z72511	Serrated Flange Locknut, 1/4NC	1
74	Z73122	SAE Washer, 5/16"	1
75	Z73131	SAE Washer, 3/8"	1
76	Z73161	SAE Washer, 5/8"	2
77	Z74111	Set Screw, 1/4NC x 1/4"	4
78	Z75351	BHCS, 5/16NF x 3/4"	5
79	Z75523	Shoulder Bolt, 5/16" x 3/8"	1
80	Z76121	Flange Bolt, 5/16NC x 3/4"	4
81	Z76122	Flange Bolt, 5/16NC x 1/2"	2
82	Z76262	Carriage Bolt, 5/8NC x 1-3/4"	4
83	Z92110	Aircraft Cable, 1/16" x 24"	1
84	Z92117	Clutch Actuator Cable with Spring and 5/16" Eye	1

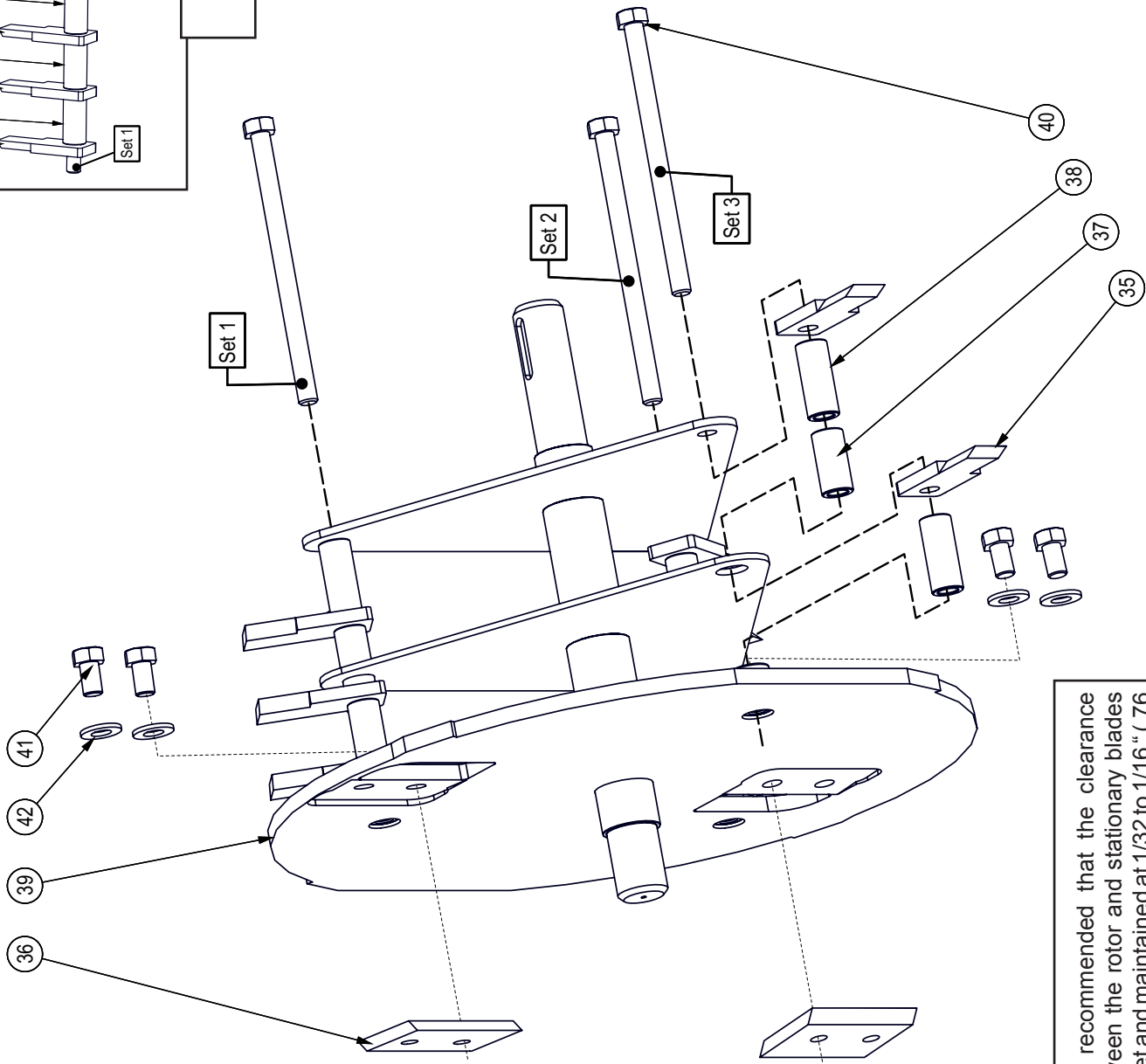
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Rotor Assembly



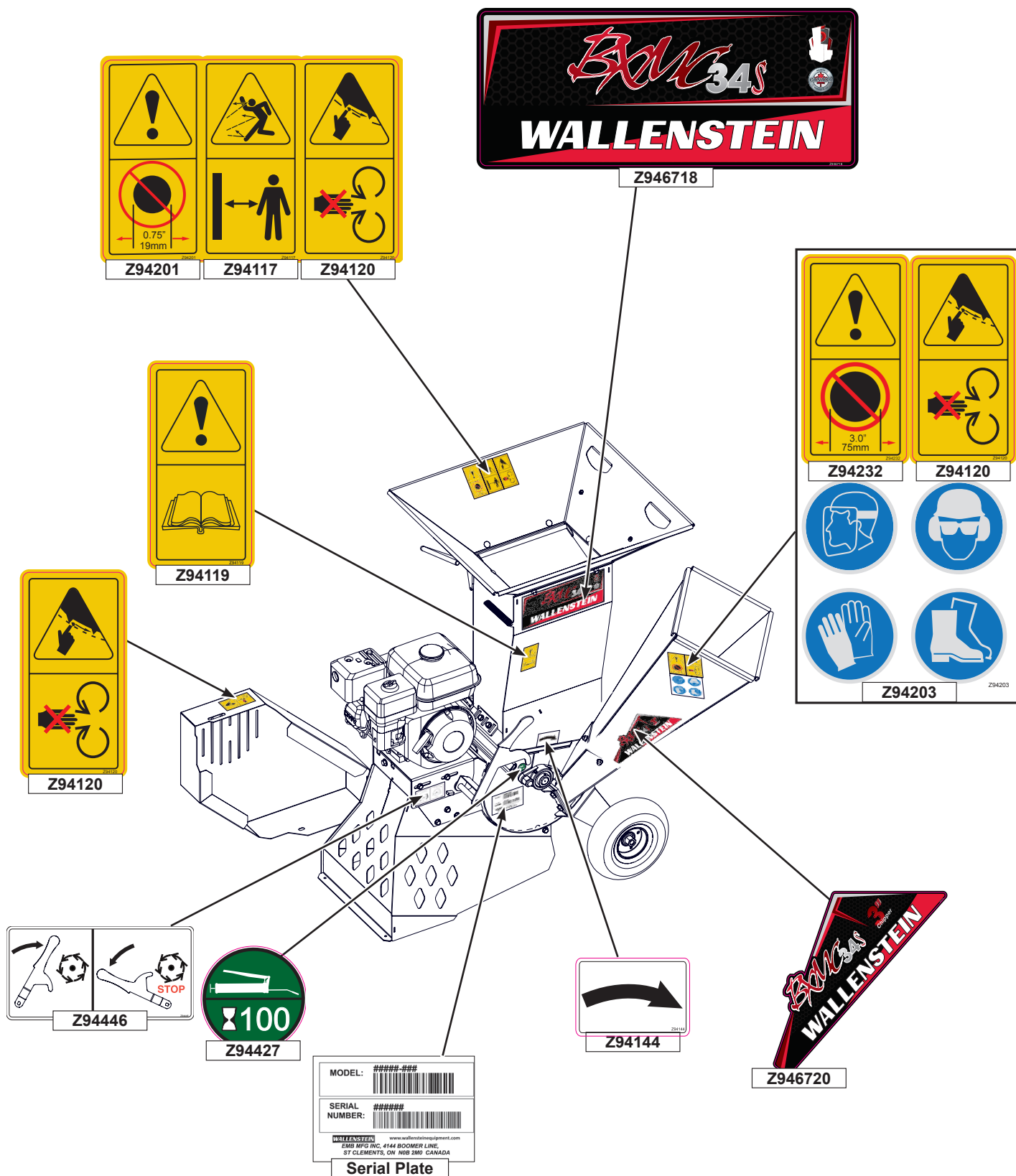
BXMC34S Knife / Spacer Sequence

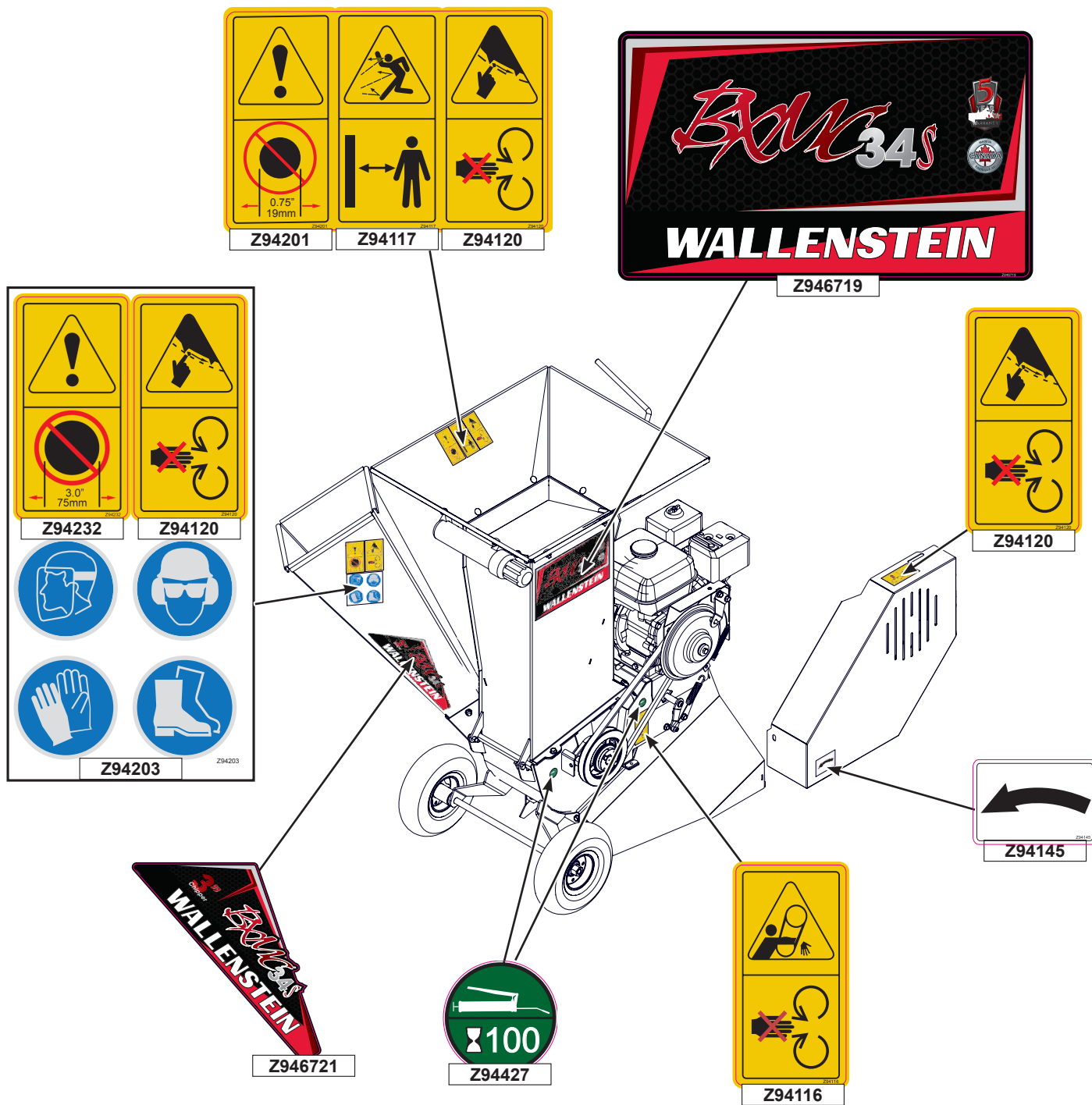
BOM ID	Part No.	Description	Qty
35	1056M108	Knife, Shredder	8
36	1056M303	Knife, 3" Rotor	2
37	1073M104	Spacer, Shredder 1.25	5
38	1074M105	Filler Spacer	4
39	1074W103	Rotor	1
40	Z71355G8	Hex Bolt, 3/8NC x 5-1/2" G8	3
41	Z71372G8	Hex Bolt, 3/8NF x 5/8" G8	4
42	Z73131	SAE Washer, 3/8"	4



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.

Label Layout





Accessories

Call your dealer for pricing and availability

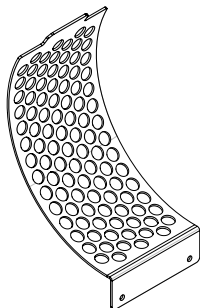
#1012L269



#1012L269 Ledger Clearance Setting Gauge.

An easy and accurate way of setting the critical clearances between the ledger blade and the rotor chipper blade.

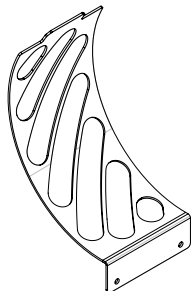
#1074L240



#1074L240 3/4" Round Screen (19MM).

Conversion kit, simple to install. Makes a finer mulch than the standard screen.

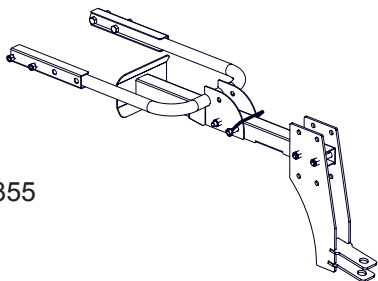
#1074L260



#1074L260 1 1/2" X 7.0 Obround Wet Screen.

Bolt on, easy to install conversion kit. Works well to prevent clogs when working with wet material.

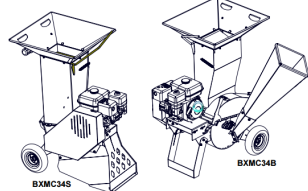
#1082A355



#1082A355 Garden Tractor Hitch.

Allows for hauling your chipper with your garden tractor, convenient when working around the yard, a must for larger properties.

Easy to install, bolt on to your chipper and you're ready to go!



**CHIPPER-SHREDDER
MODELS:
BXMC34B & BXMC34S,
OPERATOR'S MANUAL**



Do not attempt to start or operate the equipment without thoroughly reviewing this manual for safe and proper operation.

**Keep this manual with the
machine at all times**

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PART NUMBER: Z97113

**#Z97113 CHIPPER-SHREDDER
OPERATOR'S MANUAL**

Available as a download at
www.wallensteinequipment.com