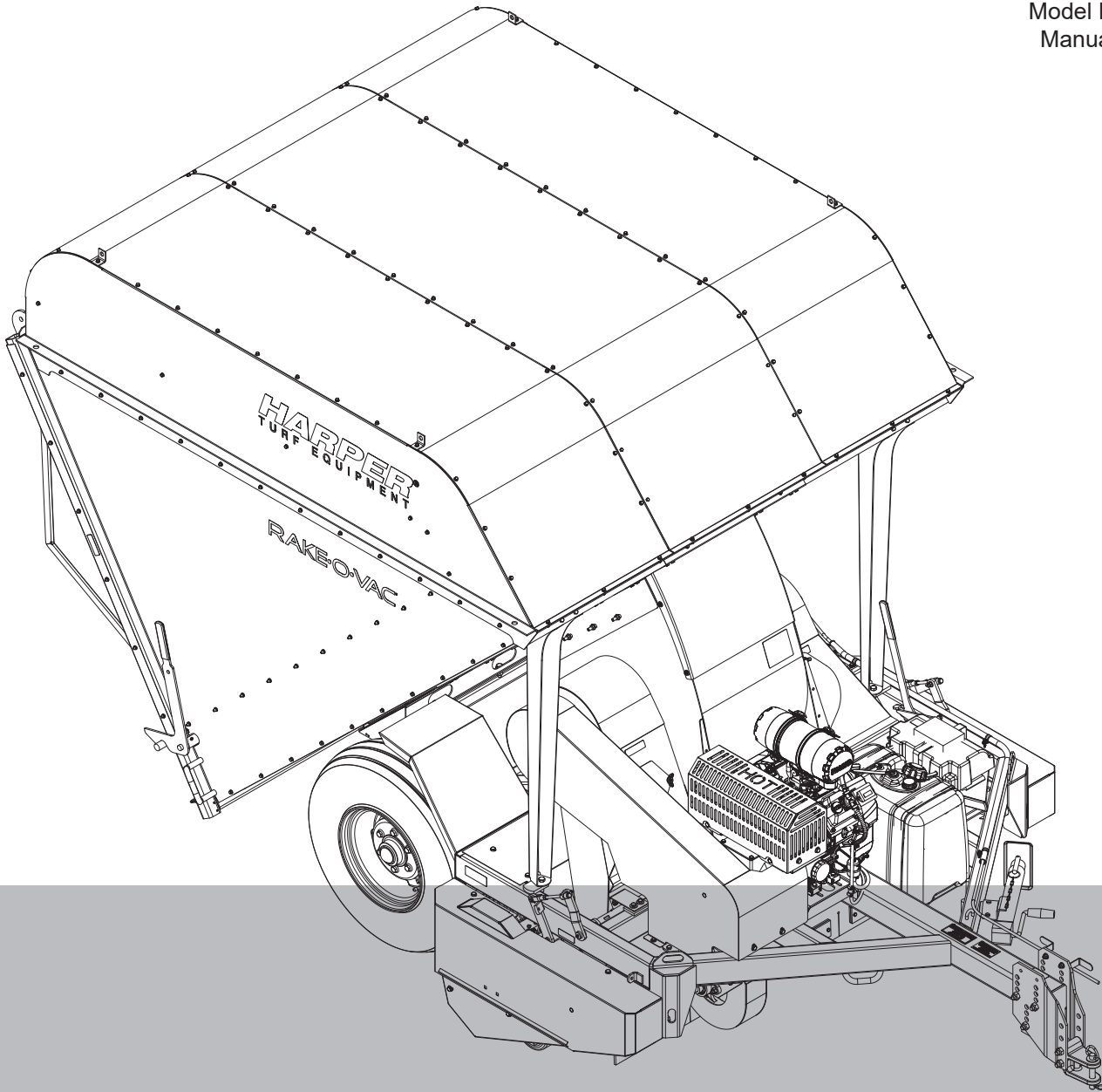


RAKE-O-VAC

Serial Number:
Model Number: 7055
Manual PN: 900285



PARTS MANUAL

Thank you for purchasing a Rake-O-Vac.

TO THE OWNER OR OPERATOR:

This manual gives assembly, operating, and service information for model Rake-O-VAC **7055**. Please read and understand all instructional material included with the Rake-O-Vac and its components before assembling and operating the equipment. This machine is intended to be used by professional, hired operators in commercial applications. The primary function of the machine is to remove debris from large turf areas. The movable tongue provides an offset position for sweeping.

A Rake-O-Vac can present hazards to an operator who follows unsafe procedures in either the operation or maintenance of the unit. Therefore, **SAFETY WARNINGS** are presented at certain locations in the text.

SYMBOL:



SAFETY WARNING!



MEANING: Failure to understand and obey this warning may result in injury to you or others. Whenever this symbol is used, please pay very close attention to the information presented, and make sure you fully understand. If you do not, contact your dealer or Harper Industries for clarification.



SAFETY WARNING!



All shields and guards must be in place for proper and safe operation of this equipment. Where they are shown removed in this manual, it is for purposes of illustration and instruction only. Do not operate this equipment unless all shields and guards are in place.

Harper Industries, Inc. is continually striving to improve the design and performance of its products. We reserve the right to make changes in specifications and design without thereby incurring any obligation relative to previously manufactured products.

© 2025 Harper Industries, Inc.

The Harper name is a registered trademark of Harper Industries, Inc. All other brand and product names are trademarks or registered trademarks of their respective companies.

LIMITED WARRANTY

Harper Industries, Inc. (HII) warrants to each purchaser of a new Harper Rake-O-Vac from an authorized dealer or representative, that such equipment is free of manufacturer's defects in workmanship and materials which appear while in normal service for a period of ONE YEAR commencing with delivery to the original user.

The obligation of HII under this warranty is expressly limited, at our option, to replacement or repair at a service facility designated by Harper Industries or at the manufacturing plant in Harper, KS. A part will be replaced after inspection discloses it to have been defective. This warranty does not apply to defects caused by damage or unreasonable use (including failure to provide reasonable and necessary maintenance, or by performing functions without genuine Harper Rake-O-Vac accessories) while in the possession of the consumer.

Warranty is limited to parts, labor and ground freight delivery of replacement parts. HII shall not be liable for the consequential damages of any kind, including but not limited to consequential labor costs or transportation charges in connection with replacement or repair of defective parts.

This warranty does not apply to parts subjected to misuse, abuse, alteration, improper or inadequate maintenance, or normal wear (including belts, battery, chains, filters, knives, brush and broom).

Engines are not covered under this warranty. Refer to manufacturer's warranty for specific warranty information. Harper Industries, its agents or representatives, make or imply no other warranties.

Harper Industries makes no warranty with respect to trade accessories. They are subject to the warranties of their respective manufacturers.

ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. HII makes no other express warranty, nor is anyone authorized to make any on behalf of HII.

For further information please contact your nearest Harper Rake-O-Vac dealer.

RECORDS

Date of Purchase _____ / _____ / _____

Dealer's Name _____

Dealer's Phone _____

Serial Number Machine _____

Serial Number Engine _____

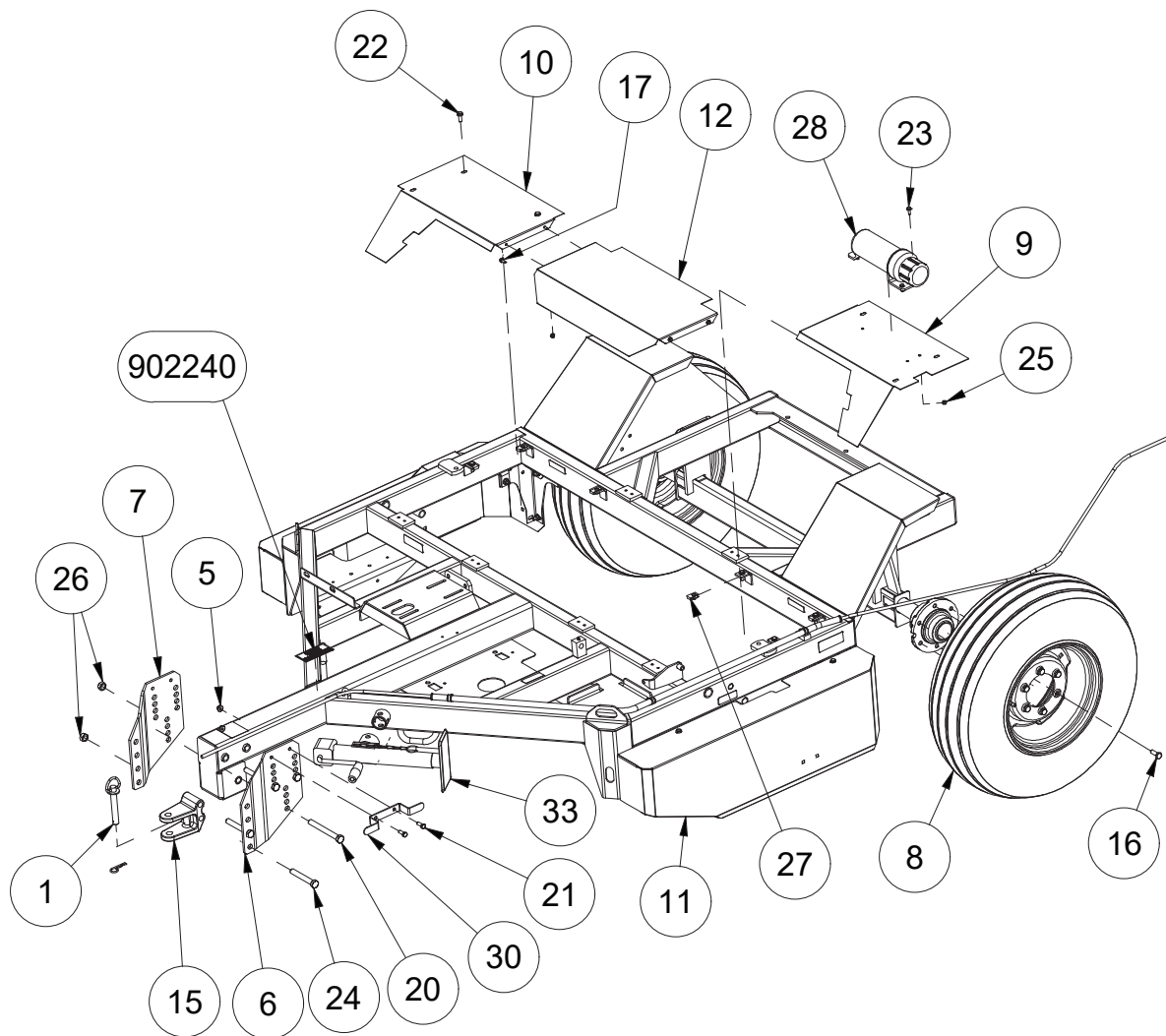
Table of Contents

To the Owner or Operator.....	1
Warranty Statement.....	2
Table of Contents.....	3
 Frame & Tires	
Frame & Tire Assembly.....	5-6
Frame Decals.....	7
Wheel Hub Assembly.....	8
 Blower	
Blower & Throat.....	9-10
Blower & Throat Assembly.....	11
 Reel	
Reel & Trailing Arm.....	12-13
R.H. Trailing Arm Assembly.....	14
L.H. Trailing Arm Assembly.....	15
Flex Tip Reel Assembly.....	16
 Engine	
Engine Assembly.....	17-18
Engine Installation to Frame.....	19
Guard Assembly.....	20
Engine Routing, Battery & Tank.....	21
Centrifugal Clutch Assembly.....	22
 Hopper	
Hopper.....	23-24
Hopper Assembly.....	25
Hopper Frame & Side Panels.....	26
Hopper Lower & Upper Panels.....	27
Hopper Floor Panels.....	28
Hopper Center Panels.....	29
Hopper Roof Assembly.....	30
Hopper Seals & Screen Floor.....	31
 Accessories	
Street Broom.....	33
Guard Kit.....	34

RAKE-O-VAC

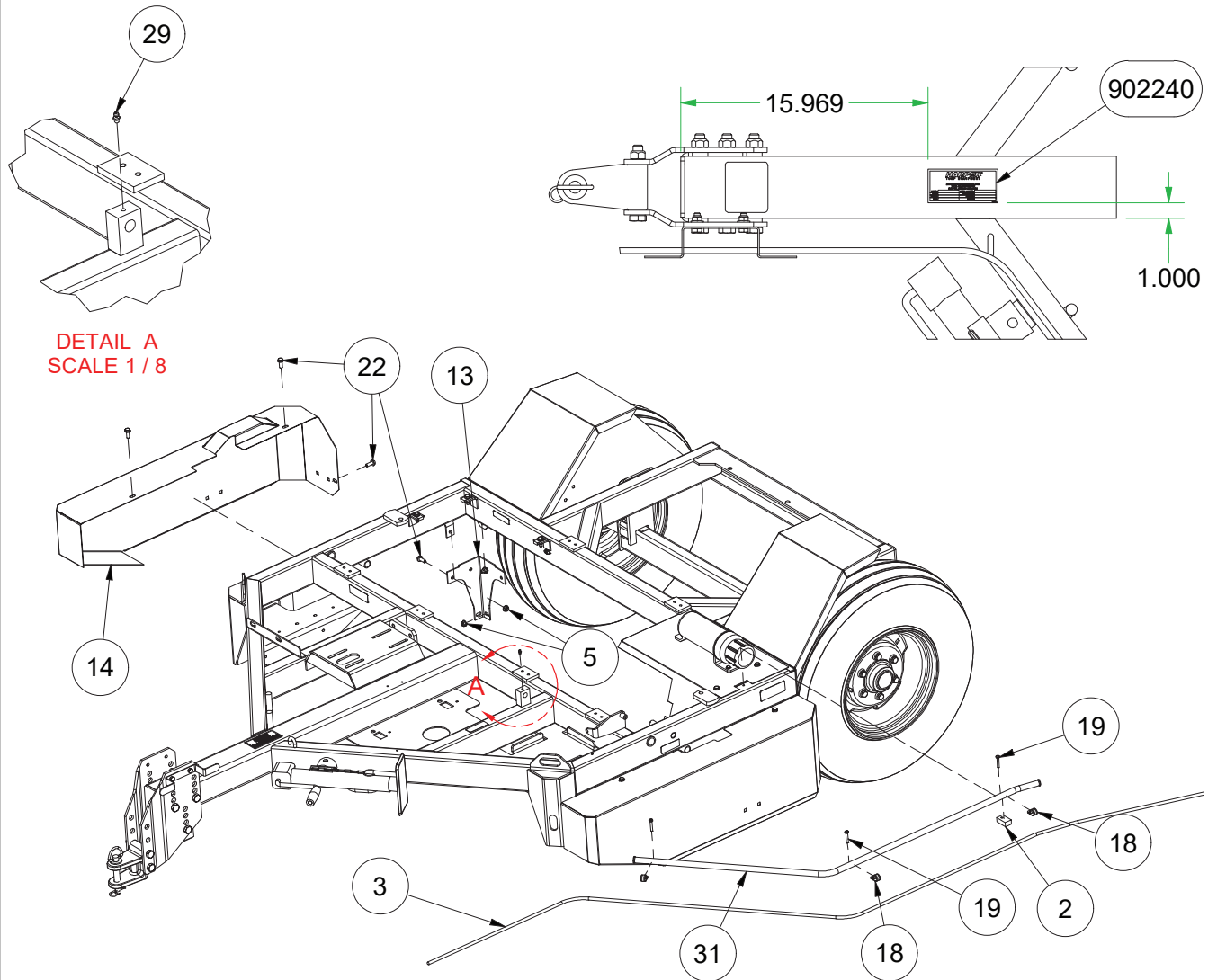
PARTS

FRAME AND TIRE ASSEMBLY



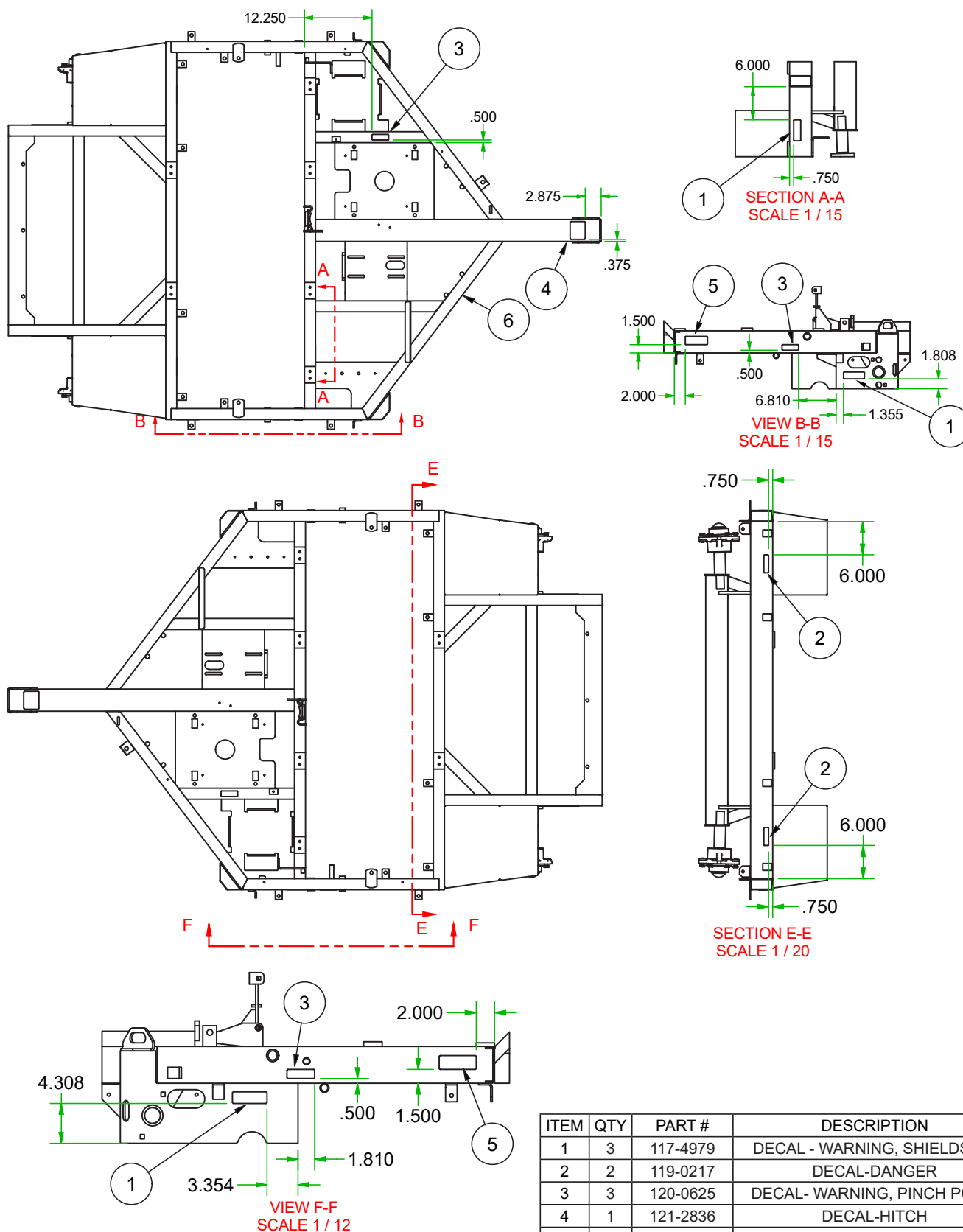
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	13-6200	Pin-Pointed Hitch	18	3	100390	Clamp, Adel Ac12 .265 Hole
2	1	13-6910	Rope- Guide, Spacer	19	3	110077	Bolt, 1/4-20 X 1-1/2 Tap
3	1	20-9580	Latch Rope	20	3	110416	Bolt, 5/8-11 X 6.0 Gr 5
4	4	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zn	21	2	110420	Bolt, 3/8-16 X 1.0
5	8	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	22	16	110440	Bolt, 3/8-16 X 1, Wiz Flange
6	1	110-7518-03	Plate-Hitch, Lh	23	3	110468	Bolt, 1/4-20 X 0.75, Wiz Flange
7	1	110-7519-03	Plate-Hitch, Rh	24	2	110562	Bolt, 5/8-11 X 4.5
8	2	119-6224	Wheel And Tire Asm	25	3	110630	Nut, 1/4-20 Lock (Nylon Insert)
9	1	121-2682-03	Cover- Brush, Lh	26	5	110639	Nut, 5/8-11, Uitorque Lock
10	1	121-2683-03	Cover-Brush, Rh	27	10	110804	Nut, 3/8-16 U-Type .75I
11	1	121-2684	Guard, Foot	28	1	152004	Holder, Manual
12	1	121-2686-03	Cover-Brush, Center	29	1	510174	Grease Zerk, 1/4-28 St
13	2	121-2706-03	Support- Cover, Belt	30	1	911256	Mount- Harness
14	1	121-2778-03	Guard- Belt	31	1	911257	Rope- Guide
15	1	131-4381-03	Clevis, Hitch	32	1	915839	Frame, Rov
16	12	217-103	Bolt, Wheel 1/2-20 x 1	33	1	T0000-3423	Jack-Sidewind
17	4	3234-33	Screw-Hhf(1/4-20 X .625)				

FRAME AND TIRE ASSEMBLY



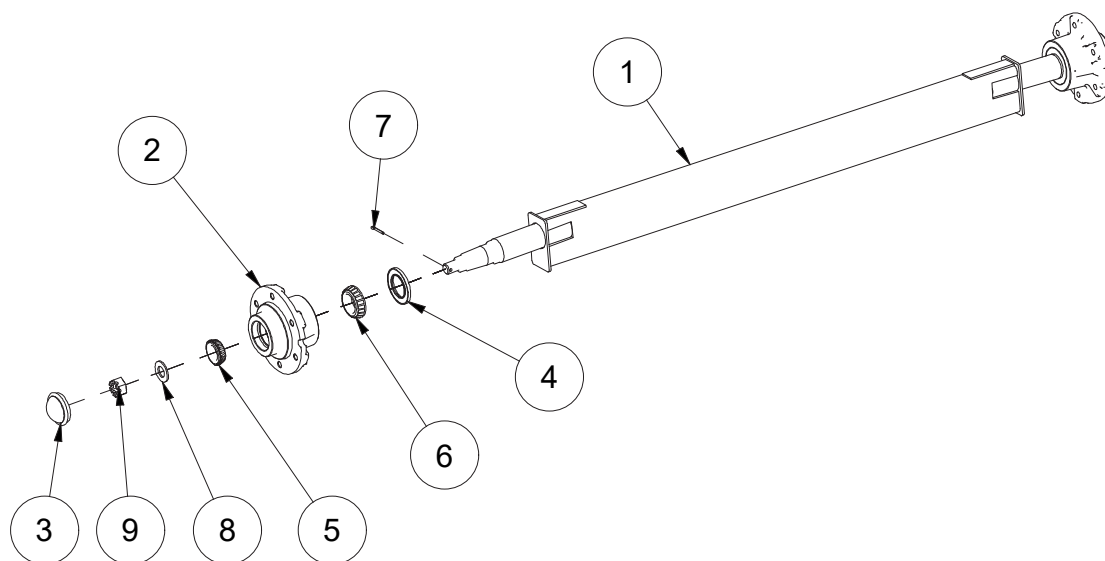
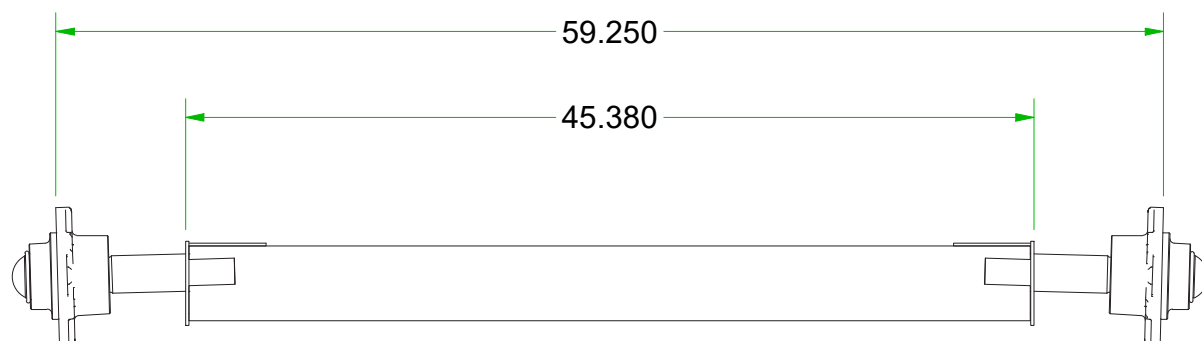
ITEM	QTY	PART #	DESCRIPTION
2	1	13-6910	Rope- Guide, Spacer
3	1	20-9580	Latch Rope
11	1	121-2684	Guard, Foot
13	2	121-2706-03	Support- Cover, Belt
14	1	121-2778-03	Guard- Belt
15	1	131-4381-03	Clevis, Hitch
16	12	217-103	Bolt, Wheel 1/2-20 x 1
18	3	100390	Clamp, Adel Ac12 .265 Hole
19	3	110077	Bolt, 1/4-20 X 1-1/2 Tap
22	16	110440	Bolt, 3/8-16 X 1, Wiz Flange
29	1	510174	Grease Zerk, 1/4-28 St
31	1	911257	Rope- Guide

FRAME DECALS



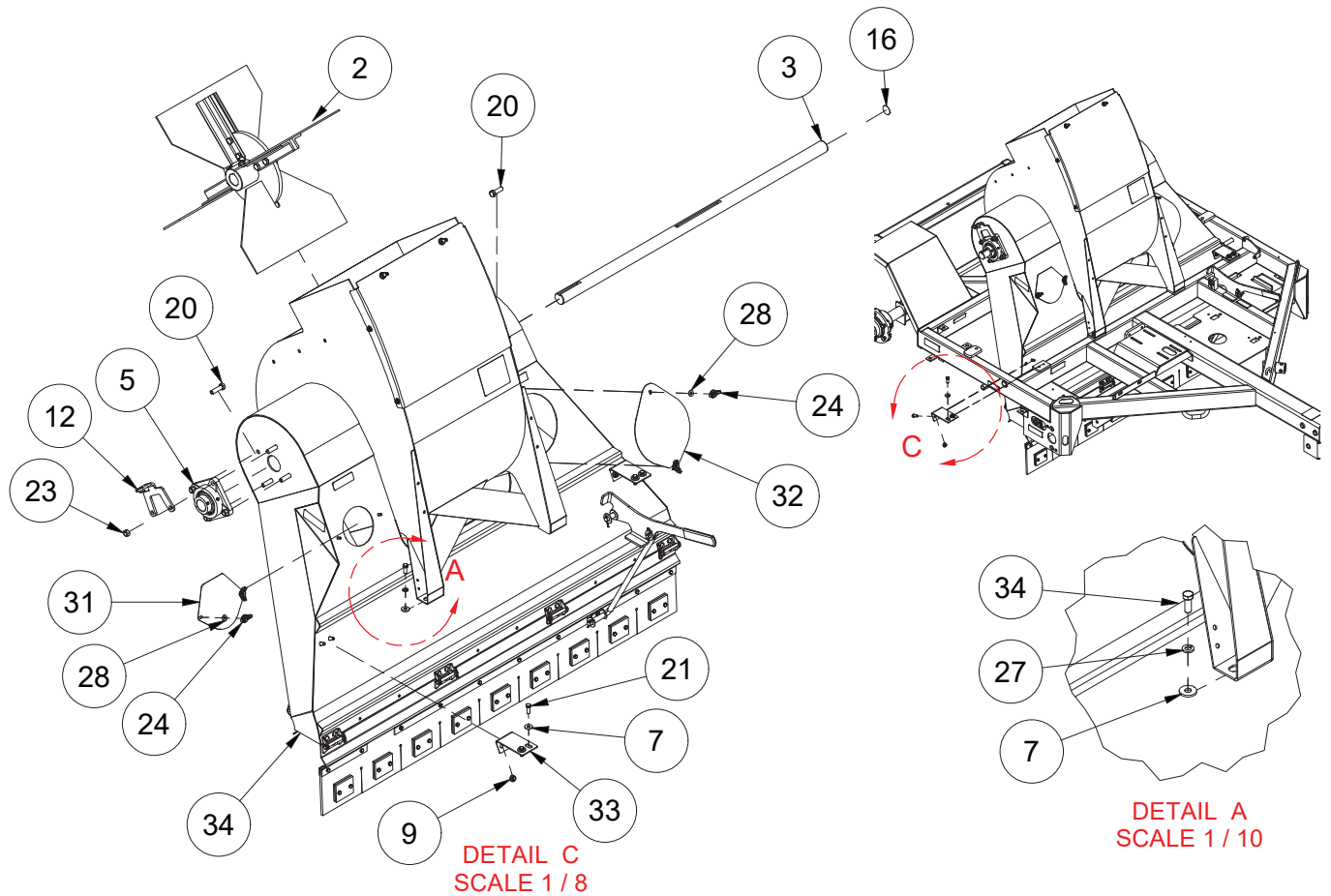
ITEM	QTY	PART #	DESCRIPTION
1	3	117-4979	DECAL - WARNING, SHIELDS CE
2	2	119-0217	DECAL-DANGER
3	3	120-0625	DECAL- WARNING, PINCH POINT
4	1	121-2836	DECAL-HITCH
5	2	121-2840	DECAL- WARNING
6	1	915838	FRAME, ROV

WHEEL HUB ASSEMBLY



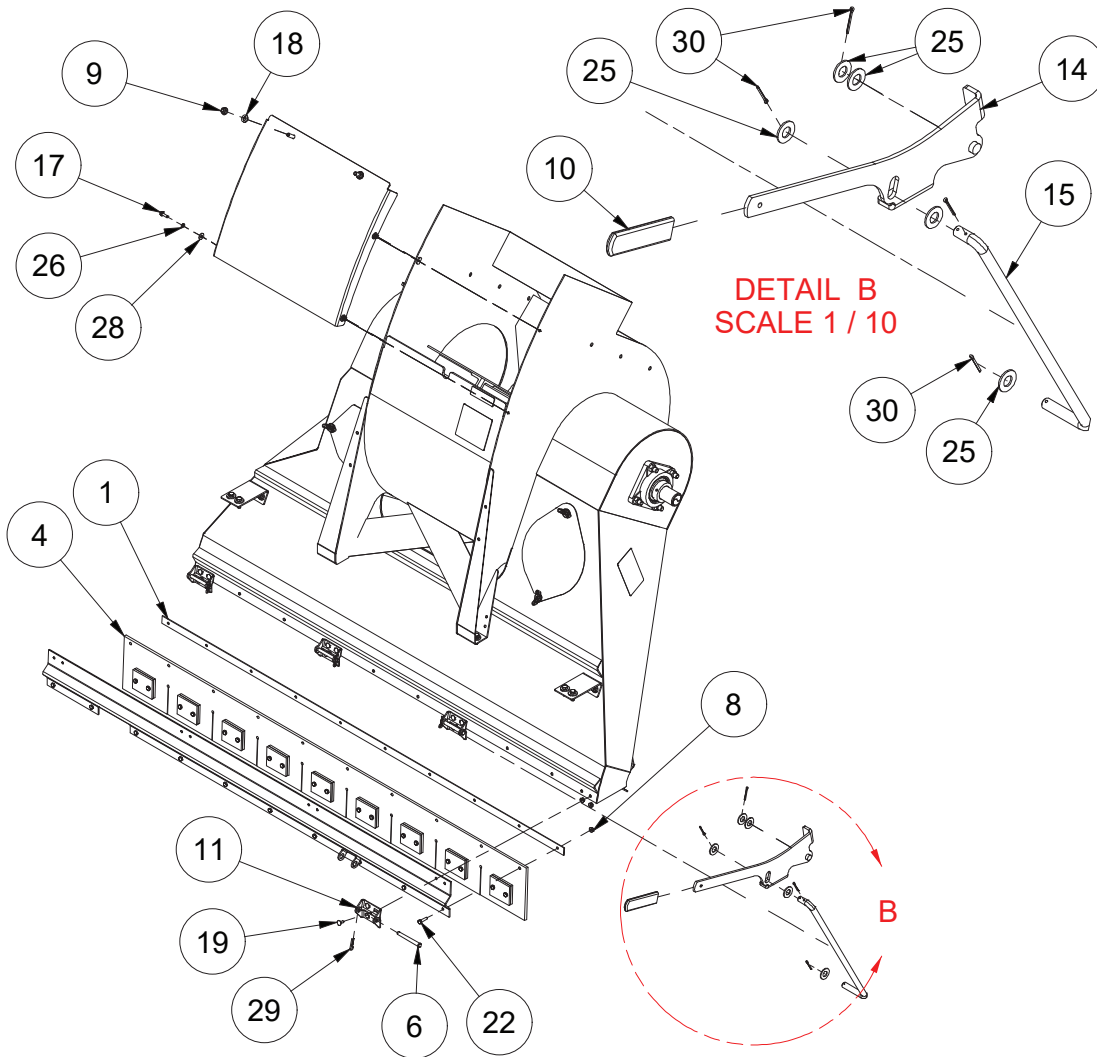
ITEM	QTY	PART #	DESCRIPTION
1	1	117-8450	AXLE-WA
2	2	117-8535	HUB-CUPPED
3	2	217-111	CAP-HUB
4	2	253-127	SEAL
5	2	254-62	BEARING-ROLLER, CONE (1 1/4)
6	2	254-65	BEARING-ROLLER, CONE (1 5/8)
7	2	3272-17	PIN-COTTER (5/32 X 1 1/4)
8	2	110046	WASHER, 7/8" FLAT SAE
9	2	110192	NUT, 7/8-14, SLOTTED

BLOWER AND THROAT



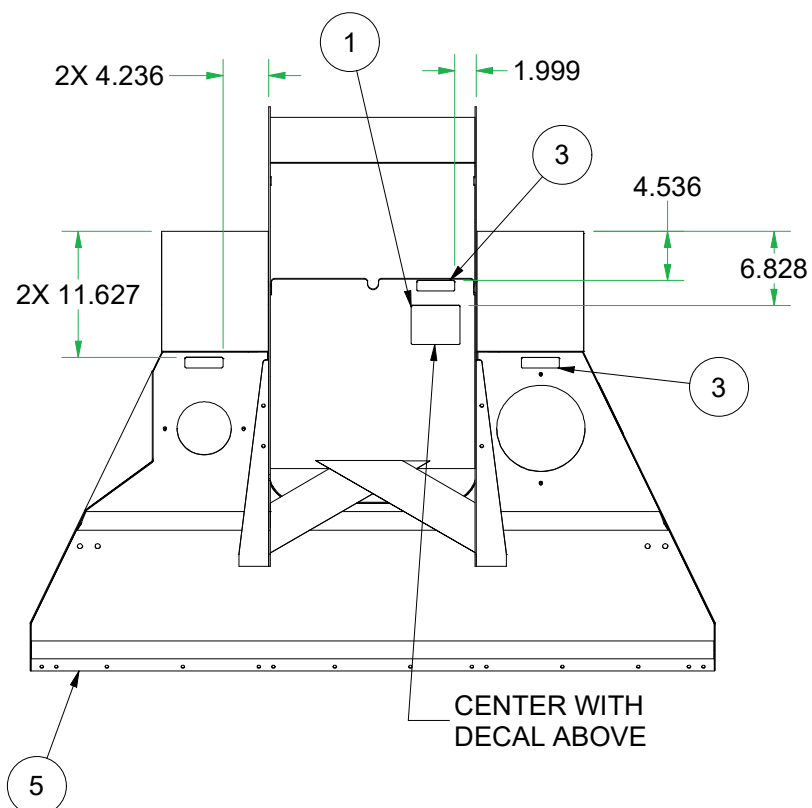
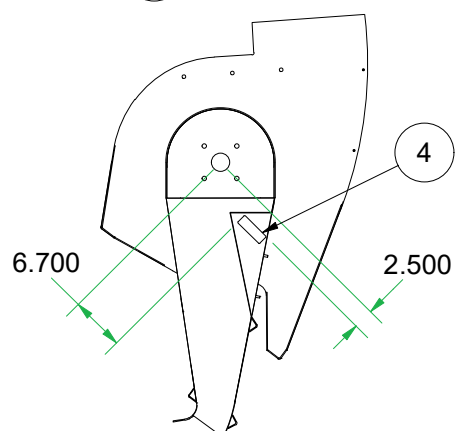
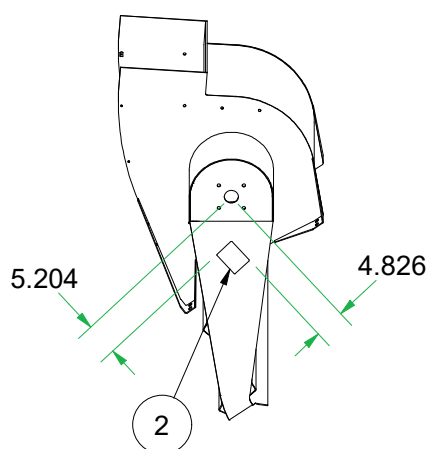
ITEM	QTY	PART #	DESCRIPTION	Item	Qty	Part #	Description
1	1	13-1390-03	Retainer-Flap	19	16	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zn
2	1	13-3420	Fan Asm	20	8	110419	Bolt, 1/2-13 X 1.75
3	1	13-3790	Shaft-Fan	21	16	110420	Bolt, 3/8-16 X 1.0
4	1	13-4700	Lower Flap Asm	22	10	110464	Bolt, 1/4-20 X 1.0
5	2	56-6220	Ball Bearing- Four Bolt, Flange Cartridge	23	8	110615	Nut, 1/2-13, Unitorque Lock
6	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	24	4	110629	Nut, 1/4-20, Wing
7	16	80-6990	Washer-Hardened	25	5	110663	Washer, 5/8" Flat Sae
8	26	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zn	26	4	110667	Washer, 1/4" Lock
9	6	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	27	12	110672	Washer, 3/8" Lock
10	1	105-3450	Grip, Lift Lever	28	8	110673	Washer, 1/4" Flat Standard
11	8	107-1549	Hinge-Half	29	4	312022	Clip, Hairpin 3/32 X 1.625
12	1	108-0893	Mount- Fan Guard	30	4	510463	Cotter Pin, 1/8 X 1.25
13	1	120-5960-03	Blade Asm- Lower Flap Weld	31	1	911252	Inspection Cover
14	1	120-5965-03	Handle-Flap	32	1	911253	Cover, Inspection
15	1	120-5966	Rod- Flap Lift	33	2	911254	Mount-Blower, Front
16	1	121-2844	Decal-Indicator, Rotation	34	1	915840	Blower And Throat Asm
17	4	110079	Screw, 1/4-20 X 0.75, Hex, Flg	35	1	915841	Door, Access
18	2	110155	Washer, 3/8" Flat Sae				

BLOWER AND THROAT



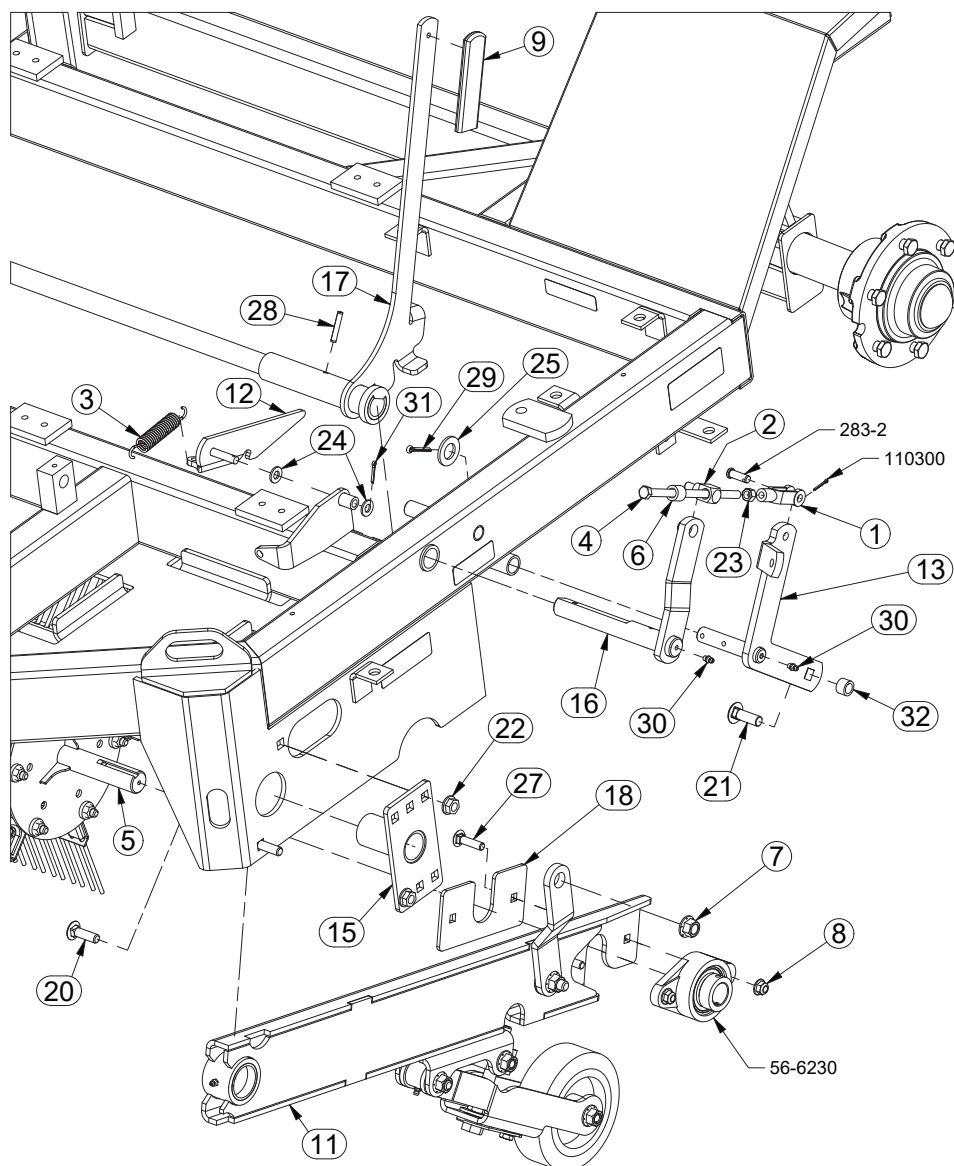
ITEM	QTY	PART #	DESCRIPTION	Item	Qty	Part #	Description
1	1	13-1390-03	Retainer-Flap	19	16	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zn
2	1	13-3420	Fan Asm	20	8	110419	Bolt, 1/2-13 X 1.75
3	1	13-3790	Shaft-Fan	21	16	110420	Bolt, 3/8-16 X 1.0
4	1	13-4700	Lower Flap Asm	22	10	110464	Bolt, 1/4-20 X 1.0
5	2	56-6220	Ball Bearing- Four Bolt, Flange Cartridge	23	8	110615	Nut, 1/2-13, Unitorque Lock
6	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	24	4	110629	Nut, 1/4-20, Wing
7	16	80-6990	Washer-Hardened	25	5	110663	Washer, 5/8" Flat Sae
8	26	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zn	26	4	110667	Washer, 1/4" Lock
9	6	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	27	12	110672	Washer, 3/8" Lock
10	1	105-3450	Grip, Lift Lever	28	8	110673	Washer, 1/4" Flat Standard
11	8	107-1549	Hinge-Half	29	4	312022	Clip, Hairpin 3/32 X 1.625
12	1	108-0893	Mount- Fan Guard	30	4	510463	Cotter Pin, 1/8 X 1.25
13	1	120-5960-03	Blade Asm- Lower Flap Weld	31	1	911252	Inspection Cover
14	1	120-5965-03	Handle-Flap	32	1	911253	Cover, Inspection
15	1	120-5966	Rod- Flap Lift	33	2	911254	Mount-Blower, Front
16	1	121-2844	Decal-Indicator, Rotation	34	1	915840	Blower And Throat Asm
17	4	110079	Screw, 1/4-20 X 0.75, Hex, Flg	35	1	915841	Door, Access
18	2	110155	Washer, 3/8" Flat Sae				

BLOWER AND THROAT ASSEMBLY



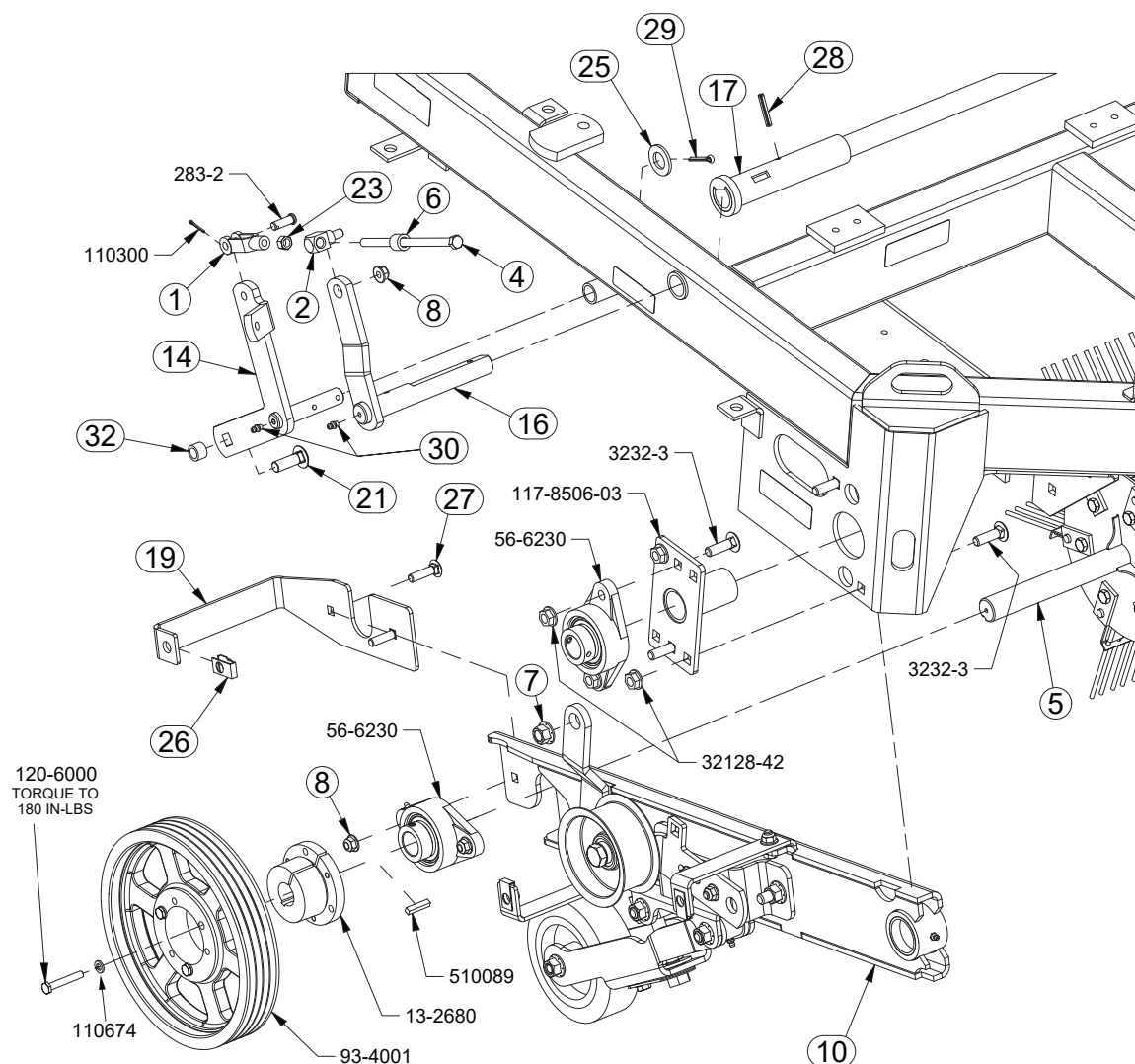
ITEM	QTY	PART #	DESCRIPTION
1	1	121-2839	DECAL-CAUTION
2	1	121-2842	DECAL-INSTRUCTION
3	3	121-2843	DECAL-WARNING
4	1	117-4979	DECAL - WARNING, SHIELDS CE
5	1	915840	THROAT AND BLOWER

LH ARM INSTALLATION



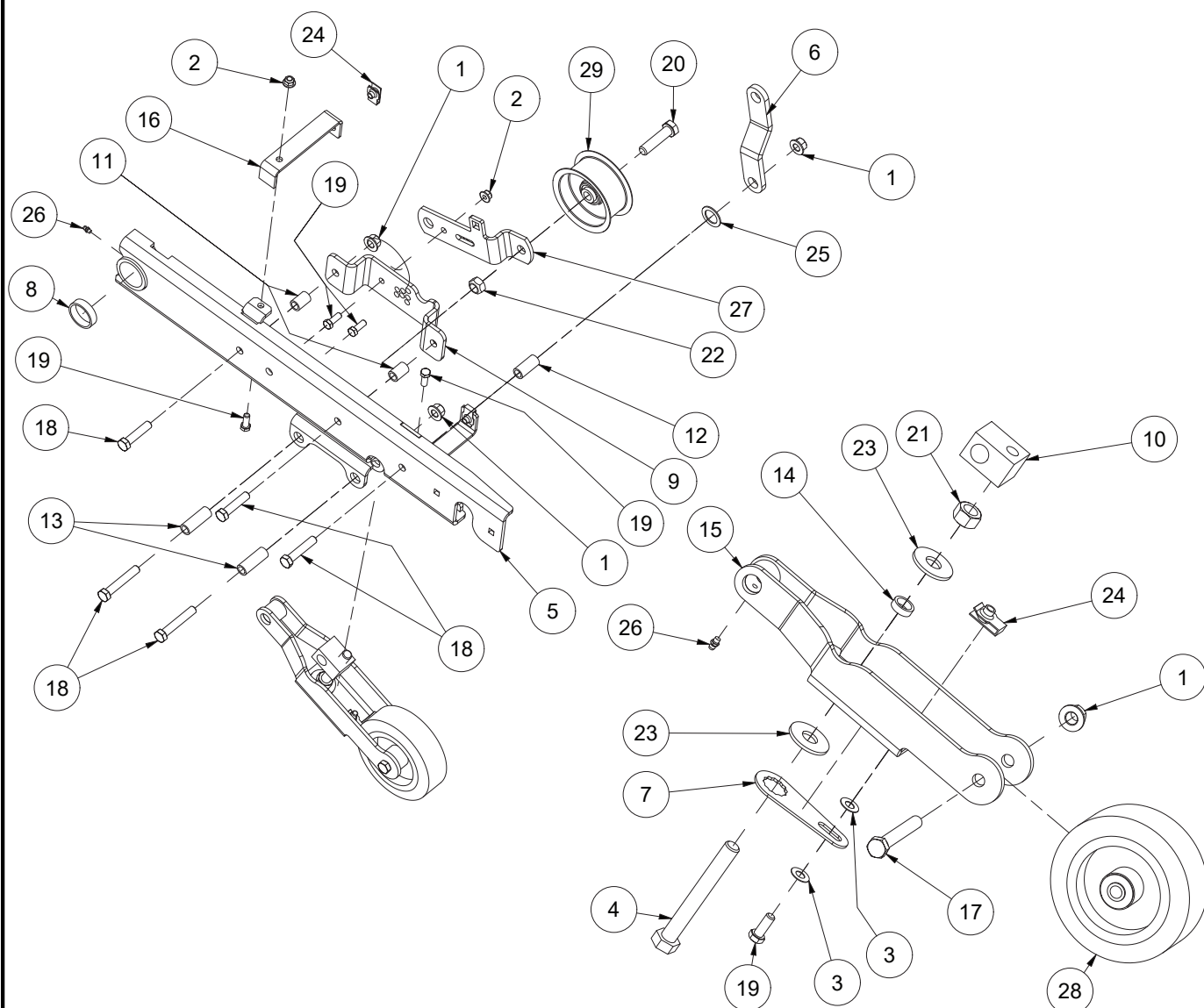
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	1-633131	Yoke-Linkage, Brake	17	1	119-6200-03	Handle Lift
2	2	13-0100	Pivot-Rake Lifting Link	18	1	119-6217-03	Support-Arm, Trailing
3	1	13-0480	Spring	19	1	121-2771-03	Brace-Cover, Belt
4	2	27-7900	Screw-Adjusting	20	2	3232-3	Bolt, 7/16-14 X 1.5 In Carriage
5	1	93-0175	Flex Tip Reel Asm	21	2	3233-2	Screw-Carr[.500-13x1.500,Gr5,Yz]
6	2	95-8603	Spacer	22	2	32128-42	Nut, 7/16-14, Lock, Flange Gr G Zn
7	2	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zn	23	2	110083	Nut, 3/8-24
8	8	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	24	2	110155	Washer, 3/8" Flat Sae
9	1	105-3450	Grip, Lift Lever	25	2	110678	Washer, 3/4" Flat Sae
10	1	117-8460	Arm-Trailing, Rh Asm	26	1	110804	Nut, 3/8-16 U-Type .75I
11	1	117-8470	Lh Trailing Arm Asm	27	4	110916	Bolt, 3/8-16 X 1.5 In Carriage
12	1	117-8490-03	Handle-Trip	28	2	200028	Roll Pin, 1/4 X 1.5
13	1	117-8503-03	Crank-Bell, Ligting Lh	29	2	500184	Cotter Pin, 3/16 X 1.25
14	1	117-8504-03	Crank-Bell, Lifting Rh	30	4	510174	Grease Zerk, 1/4-28 St
15	1	117-8506-03	Mount- Guard Asm	31	3	510249	Cotter Pin, 1/8 X 0.75
16	2	119-2994	Crank-Ligting, Rake	32	2	910265	Pivot Bushing

RH ARM INSTALLATION



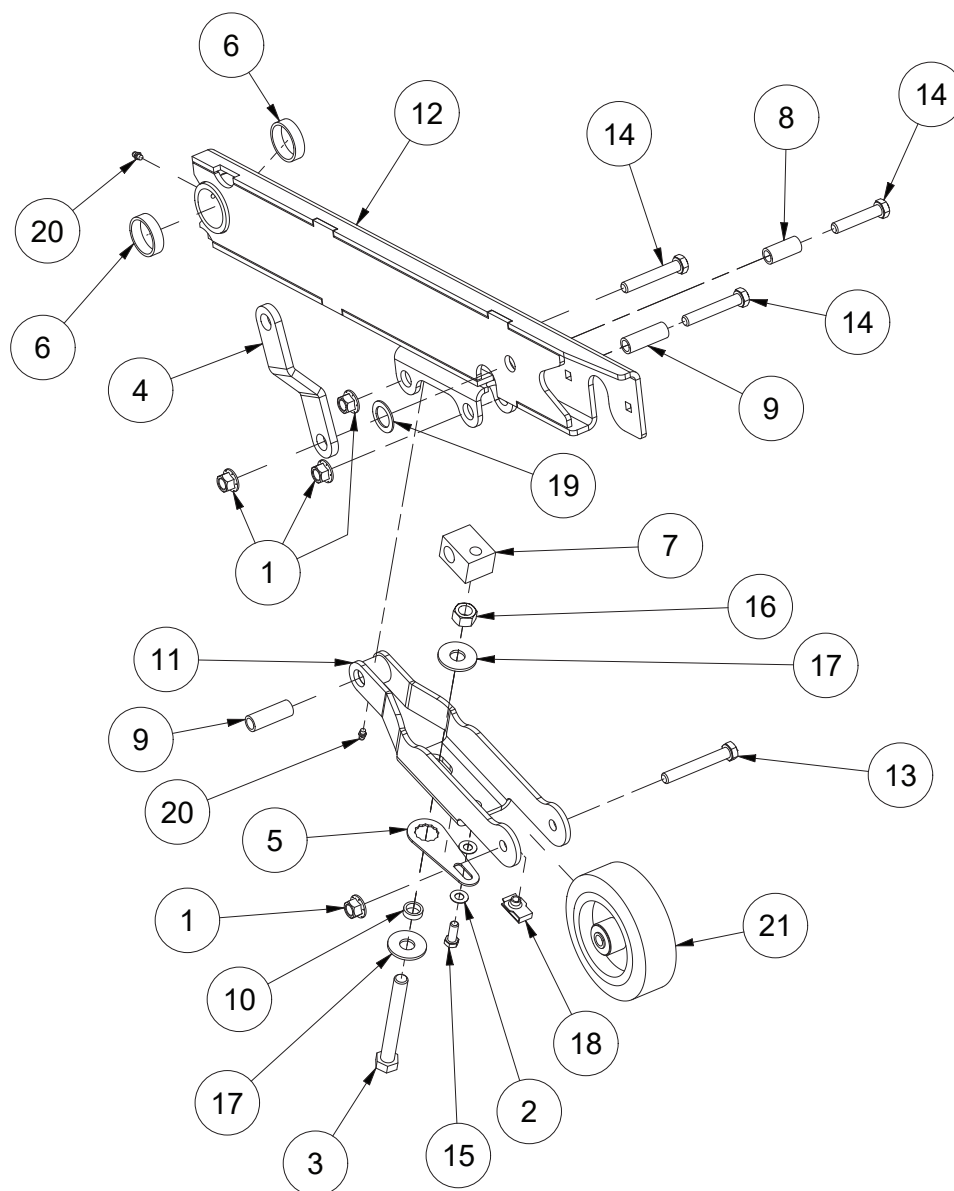
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	1-633131	Yoke-Linkage, Brake	17	1	119-6200-03	Handle Lift
2	2	13-0100	Pivot-Rake Lifting Link	18	1	119-6217-03	Support-Arm, Trailing
3	1	13-0480	Spring	19	1	121-2771-03	Brace-Cover, Belt
4	2	27-7900	Screw-Adjusting	20	2	3232-3	Bolt, 7/16-14 X 1.5 In Carriage
5	1	93-0175	Flex Tip Reel Asm	21	2	3233-2	Screw-Carr[.500-13x1.500,Gr5,Yz]
6	2	95-8603	Spacer	22	2	32128-42	Nut, 7/16-14, Lock, Flange Gr G Zn
7	2	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zn	23	2	110083	Nut, 3/8-24
8	8	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	24	2	110155	Washer, 3/8" Flat Sae
9	1	105-3450	Grip, Lift Lever	25	2	110678	Washer, 3/4" Flat Sae
10	1	117-8460	Arm-Trailing, Rh Asm	26	1	110804	Nut, 3/8-16 U-Type .75l
11	1	117-8470	Lh Trailing Arm Asm	27	4	110916	Bolt, 3/8-16 X 1.5 In Carriage
12	1	117-8490-03	Handle-Trip	28	2	200028	Roll Pin, 1/4 X 1.5
13	1	117-8503-03	Crank-Bell, Ligting Lh	29	2	500184	Cotter Pin, 3/16 X 1.25
14	1	117-8504-03	Crank-Bell, Lifting Rh	30	4	510174	Grease Zerk, 1/4-28 St
15	1	117-8506-03	Mount- Guard Asm	31	3	510249	Cotter Pin, 1/8 X 0.75
16	2	119-2994	Crank-Ligting, Rake	32	2	910265	Pivot Bushing

RH TRAILING ARM ASSEMBLY



ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	6	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zn	16	2	121-2772-03	Support- Cover, Belt
2	4	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zn	17	1	110002	Bolt, 1/2-13 X 3.5
3	2	108-1438	Washer-Hardened [.406 X .812 X .030]	18	5	110129	Bolt, 1/2-13 X 2.75 Hex
4	1	112-4874	Screw-Hh, Tap, (5/8-11 X 5, Gr 5)	19	5	110420	Bolt, 3/8-16 X 1.0
5	1	117-8461-03	Arm- Trailing , Rh Wa	20	1	110513	Bolt, 5/8-11 X 2.5
6	1	117-8465-03	Link- Lift	21	1	110597	Nut, 5/8-11
7	1	117-8484	Tab- Locking	22	1	110639	Nut, 5/8-11, Unitorque Lock
8	2	119-2985	Bushing [1.627 X 1.879 X .50]	23	2	110650	Washer, 5/8" Flat Standard
9	1	119-2992-03	Bracket- Adjust, Tension	24	3	110804	Nut, 3/8-16 U-Type .75I
10	1	119-6184	Block- Pivot	25	1	510055	Washer, 1.5 X 1.0 X 14ga Mach
11	2	119-6189	Tube- Pivot, 1.125	26	2	510174	Grease Zerk, 1/4-28 St
12	1	119-6191	Tube- Pivot, 1.625	27	1	911279	Brkt, Idler Arm
13	2	119-6192	Tube-Pivot, 2.125	28	1	940043	Caster Wheel Assy
14	1	119-6253	Spacer-Limiter	29	1	942167	Idler Pulley Assy
15	1	119-6301-03	Arm-Wheel, Gauge WA				

LH TRAILING ARM ASSEMBLY

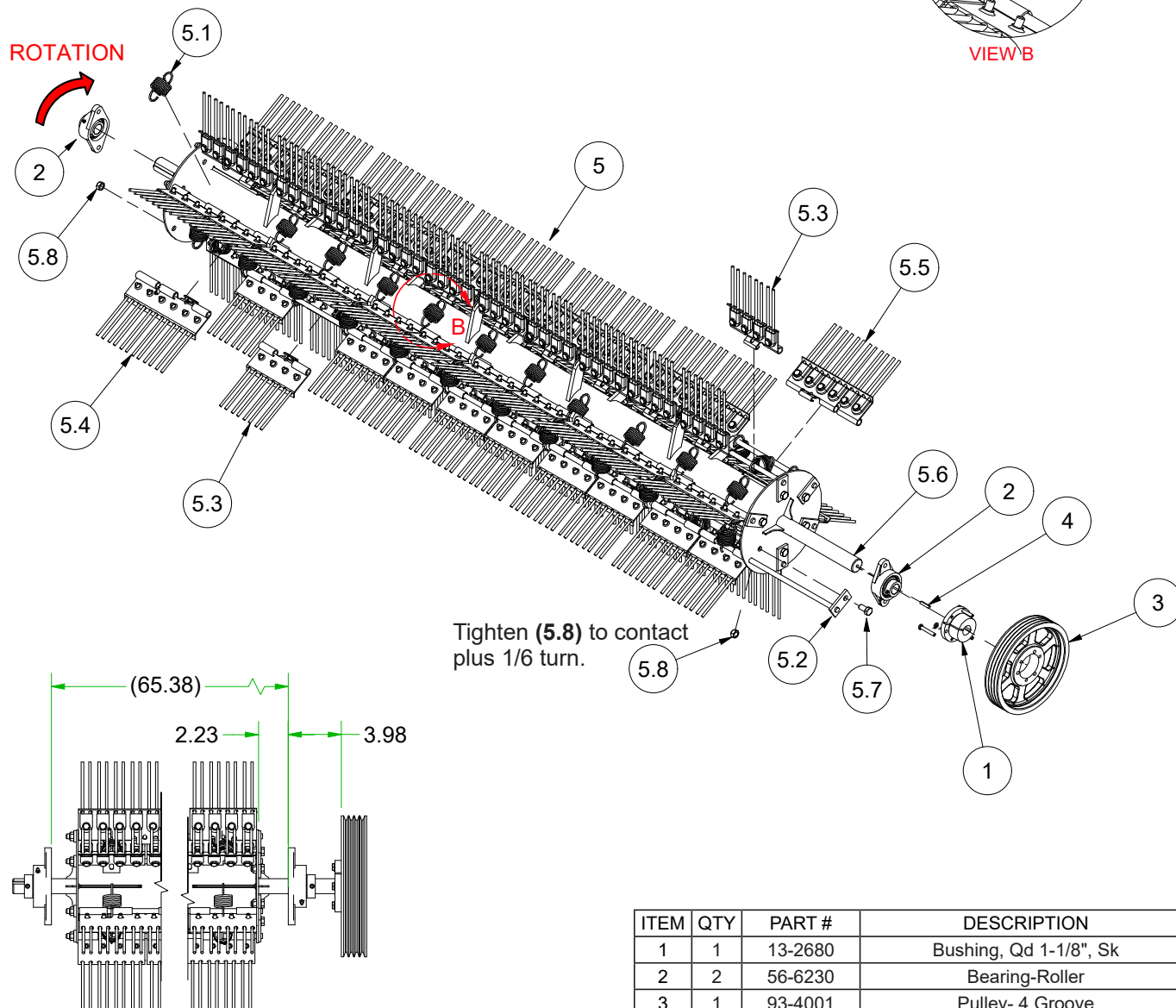
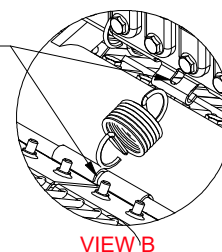


ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	4	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zn	12	1	120-5905-03	Arm-Lh Trailing, Wa
2	2	108-1438	Washer-Hardened [.406 X .812 X .030]	13	1	110002	Bolt, 1/2-13 X 3.5
3	1	112-4874	Screw-Hh, Tap, (5/8-11 X 5, Gr 5)	14	3	110129	Bolt, 1/2-13 X 2.75 Hex
4	1	117-8465-03	Link- Lift	15	1	110420	Bolt, 3/8-16 X 1.0
5	1	117-8484	Tab- Locking	16	1	110597	Nut, 5/8-11
6	2	119-2985	Bushing [1.627 X 1.879 X .50]	17	2	110650	Washer, 5/8" Flat Standard
7	1	119-6184	Block- Pivot	18	1	110804	Nut, 3/8-16 U-Type .75l
8	1	119-6191	Tube- Pivot, 1.625	19	1	510055	Washer, 1.5 X 1.0 X 14ga Mach
9	2	119-6192	Tube-Pivot, 2.125	20	2	510174	Grease Zerk, 1/4-28 St
10	1	119-6253	Spacer-Limiter	21	1	940043	Caster Wheel Assy
11	1	119-6301-03	Arm-Wheel, Gauge WA				

FLEX TIP REEL ASSEMBLY

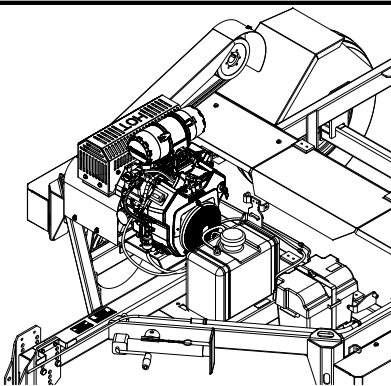
Turn the bearing (2) collars/races hand tight in direction of rotation when assembled. Then use punch and hammer for a final impact tighten (in direction of rotation.) Finally, snug the set screws.

SPRING HOOK POINTS



ITEM	QTY	PART #	DESCRIPTION
1	1	13-2680	Bushing, Qd 1-1/8", Sk
2	2	56-6230	Bearing-Roller
3	1	93-4001	Pulley- 4 Groove
4	1	510089	Key, 1/4 X 1/4 X 1.25 In
5	1	915875	Flex Tip Reel Kit
5.1	66	13-3090	Spring, Finger
5.2	6	13-4960	Shaft- Plate,Finger
5.3	60	114-2705	Center Plate Asm
5.4	3	114-2711	Right Plate Asm
5.5	3	114-2712	Left Plate Asm
5.6	1	144-3697-03	Flex Tip Reel
5.7	6	110433	Bolt, 3/8-16 X .75
5.8	12	110621	Nut, 3/8-16, Unitorque Lock

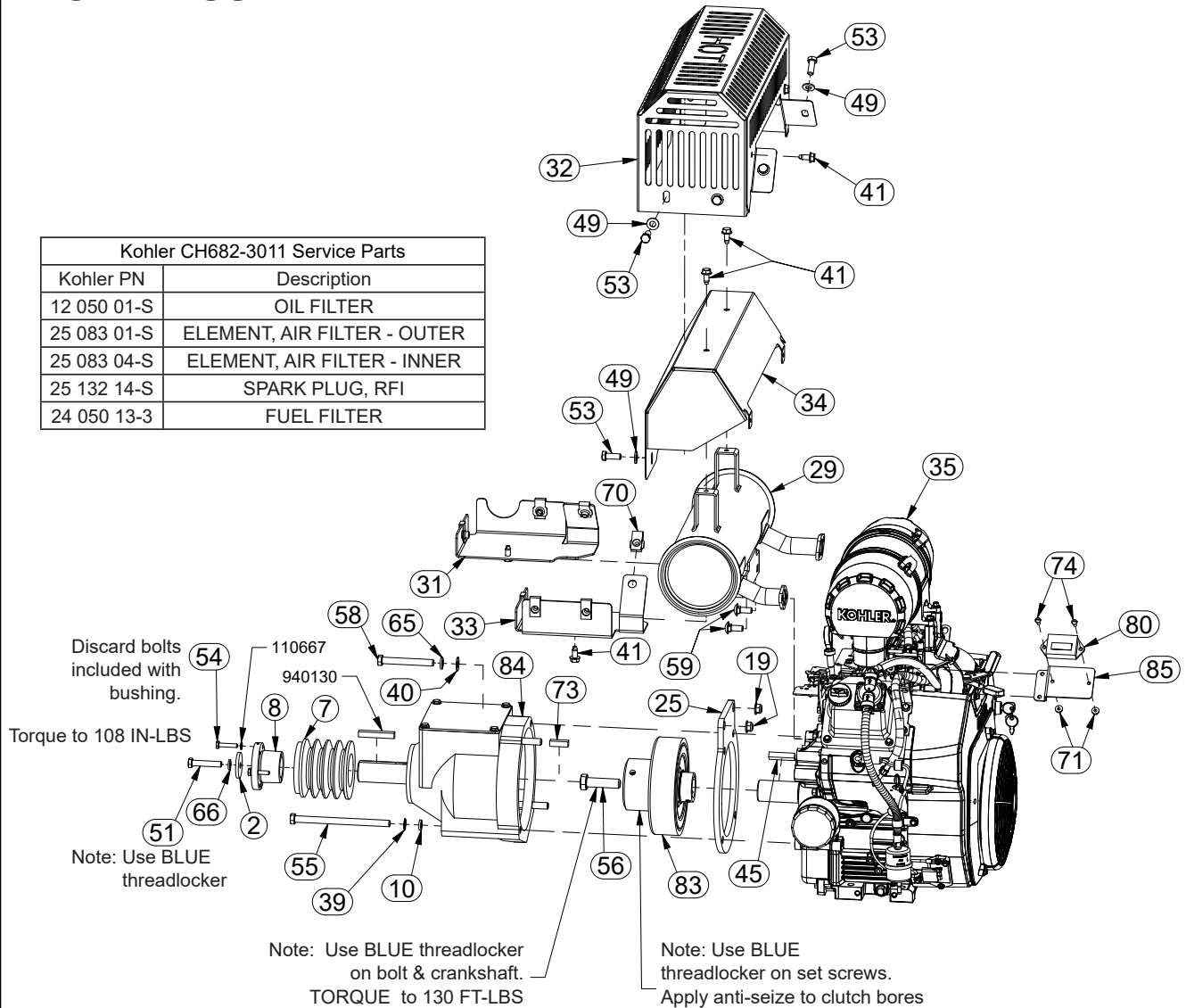
ENGINE ASSEMBLY



Item	Qty	Part #	Description	Item	Qty	Part #	Description
1	1	3-8448	Washer, 1.375 X .75 X .125, Zinc	44	4	100361	Clamp, Hose #4 .25 Mini
2	1	4-1920	Washer, .406 X 1.75, 3/16, Zinc	45	1	100567	Key, 3/8 X 3/8 X 1.75 In
3	1	13-2650	V-Belt [B-Tt, 55.94 In]	46	21.0"	100644	Hose, 1/4" Low Perm
4	1	13-2670	Sheave, 2a10.6/B11.0, Qd-Sk	47	32.0"	100708	Hose, 3/16" Low Perm
5	1	13-2680	Bushing, Qd 1-1/8", Sk	48	1	110081	Bolt, M8x1.25 X 16 Gr 10.9
6	1	13-2970	Bushing, Qd 1 7/16" Sk	49	13	110155	Washer, 3/8" Flat Sae
7	1	13-3320	Sheave, 4a3.2/B3.6, Qd-Sd	50	2	110377	Bolt, 5/16-18 X 1-1/2
8	1	13-3330	Bushing, Qd 1 7/16", Sd	51	1	110400	Bolt, 3/8-16 X 2.0
9	1	13-3710	Washer, 1/4 X 1.375, 12ga, Zinc	52	4	110404	Bolt, 3/8-16 X 1.75
10	2	37-4700	Washer, .453 X .688, 1/8", Zinc	53	16	110420	Bolt, 3/8-16 X 1.0
11	2	56-6230	Bearing-Roller	54	3	110430	Bolt, 1/4-20 X 1-1/4
12	4	80-6990	Washer-Hardened	55	2	110482	Bolt, 7/16-14 X 6.5
13	1	93-0183	Belt-V, Impeller [B-Tt, 81.90 In]	56	1	110504	Bolt, 5/8-18 X 2.25
14	1	93-4032	Jack Shaft	57	1	110513	Bolt, 5/8-11 X 2.5
15	1	93-4034	V-Belt [3vtt, 78.85 In]	58	2	110547	Bolt, 7/16-14 X 3.5
16	1	93-7595	Battery Box Asm	59	2	110556	Bolt, 3/8-16 X 1 In Carriage
17	1	93-7968	Pad-Foam, Battery	60	7	110561	Bolt, 1/4-20 X .75
18	6	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	61	1	110639	Nut, 5/8-11, Unitorque Lock
19	9	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc	62	2	110642	Nut, 1/2-13 Hex Jam Gr 2
20	1	106-5189	Battery-Wet, 12v, 690 Cca	63	3	110650	Washer, 5/8" Flat Standard
21	1	112-6808	Cable-Battery, Positive	64	1	110667	Washer, 1/4" Lock
22	1	117-8506-03	Mount- Guard Asm	65	2	110671	Washer, 7/16" Lock
23	1	117-8510-03	Guard-Belt (Black)	66	1	110672	Washer, 3/8" Lock
24	1	117-8538-03	Bracket-Idler Arm [Black]	67	6	110673	Washer, 1/4" Flat Standard
25	1	119-6137-03	Plate-Adapter	68	2	110674	Washer, 5/16" Lock
26	1	119-6807	Decal - Warning, Do Not Step	69	2	110714	Bolt, 1/2-13 X 3 Tap
27	1	120-5908	Cable - Battery, Neg	70	9	110804	Nut, 3/8-16 U-Type .75l
28	1	120-5914-03	Guard-Sheave (Wa, Black)	71	2	111046	Nut Whiz 10-24nc Zp
29	1	120-5956	Muffler Asm	72	2	410238	Key, 1/4 X 1/4 X 2.25 In
30	1	121-2780-03	Guard-Lower Belt, Wa	73	1	500354	Key, 3/8 X 3/8 X 1.25, Under
31	1	121-2848-03	Shield-Heat, Back Bottom (Black)	74	2	510960	Screw, 10-24 X 0.5, Rhms
32	1	121-2850-03	Shield-Muffler [Black]	75	1	511083	Key, 3/8 X 3/8 X 2.25 Under
33	1	121-2851-03	Shield-Heat, Front Bottom (Black)	76	1	902162	Fuel Tank Assy, 6 Gal
34	1	121-2865-03	Shield-Heat, Inner (W/A, Black)	77	2	902163	Strap, Hold Down
35	1	133-5631	Engine- Kohler, Ch682-3011	78	1	902181	Decal, Emissions Compliance
36	1	140-2208	Sheave, 4/3v2.8 X 1-1/8"	79	1	911279	Brkt, Idler Arm
37	6	3232-3	Bolt, 7/16-14 X 1.5 In Carriage	80	1	932070	Tach/Hour Meter, Kohler
38	1	3254-2	Washer, 5/16, Lock, Int Tooth	81	1	942063	Sheave, 2a7.0/B7.4, Qd-Sk
39	2	3255-16	Washer, 7/16 Ext. Tooth Lock	82	1	942167	Idler Pulley Assy
40	2	3256-25	Washer, 7/16" Flat Sae	83	1	942310	Clutch, Centrifugal
41	6	32104-32	Bolt, 5/16-18 X .75, Thread Cut, Zn	84	1	943063	Housing, Centrifugal Clutch
42	6	32128-42	Nut, 7/16-14, Lock, Flange, Gr G, Zn	85	1	970825	Mount - Tac, Kohler
43	4	32180-030	Clip-Tie [FIR Tree W/Tie, 1/4" Hole]				

ENGINE ASSEMBLY

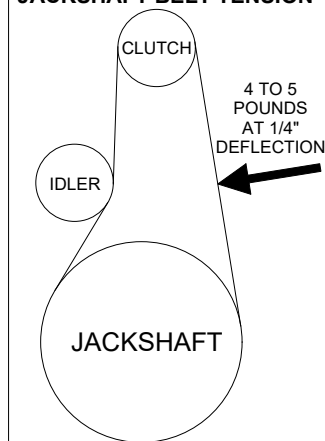
Kohler CH682-3011 Service Parts	
Kohler PN	Description
12 050 01-S	OIL FILTER
25 083 01-S	ELEMENT, AIR FILTER - OUTER
25 083 04-S	ELEMENT, AIR FILTER - INNER
25 132 14-S	SPARK PLUG, RFI
24 050 13-3	FUEL FILTER



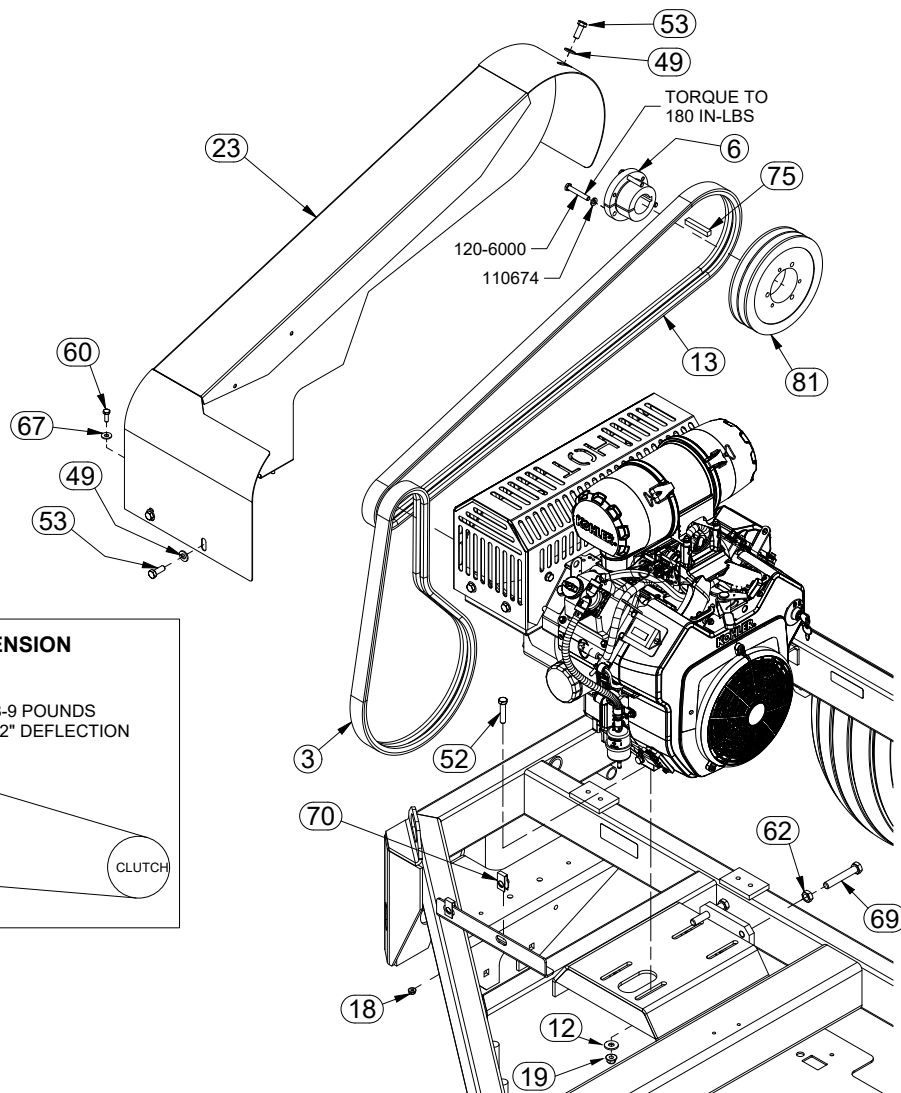
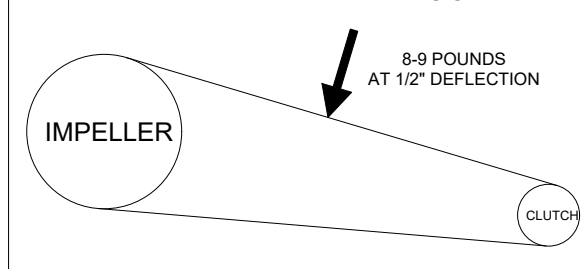
Item	Qty	Part #	Description	Item	Qty	Part #	Description
2	1	4-1920	Washer, .406 X 1.75, 3/16, Zinc	51	1	110400	Bolt, 3/8-16 X 2.0
7	1	13-3320	Sheave, 4a3.2/B3.6, Qd-Sd	53	16	110420	Bolt, 3/8-16 X 1.0
8	1	13-3330	Bushing, Qd 1 7/16", Sd	54	3	110430	Bolt, 1/4-20 X 1-1/4
10	2	37-4700	Washer, .453 X .688, 1/8", Zinc	55	2	110482	Bolt, 7/16-14 X 6.5
19	9	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc	56	1	110504	Bolt, 5/8-18 X 2.25
25	1	119-6137-03	Plate-Adapter	58	2	110547	Bolt, 7/16-14 X 3.5
29	1	120-5956	Muffler Asm	59	2	110556	Bolt, 3/8-16 X 1 In Carriage
31	1	121-2848-03	Shield-Heat, Back Bottom (Black)	65	2	110671	Washer, 7/16" Lock
32	1	121-2850-03	Shield-Muffler [Black]	66	1	110672	Washer, 3/8" Lock
33	1	121-2851-03	Shield-Heat, Front Bottom (Black)	70	9	110804	Nut, 3/8-16 U-Type .75l
34	1	121-2865-03	Shield-Heat, Inner (W/A, Black)	71	2	111046	Nut Whiz 10-24nc Zp
35	1	133-5631	Engine- Kohler, Ch682-3011	73	1	500354	Key, 3/8 X 3/8 X 1.25, Under
39	2	3255-16	Washer, 7/16 Ext. Tooth Lock	74	2	510960	Screw, 10-24 X 0.5, Rhms
40	2	3256-25	Washer, 7/16" Flat Sae	80	1	932070	Tach/Hour Meter, Kohler
41	6	32104-32	Bolt, 5/16-18 X .75, Thread Cut, Zn	83	1	942310	Clutch, Centrifugal
45	1	100567	Key, 3/8 X 3/8 X 1.75 In	84	1	943063	Housing, Centrifugal Clutch
49	13	110155	Washer, 3/8" Flat Sae	85	1	970825	Mount - Tac, Kohler

ENGINE INSTALL TO FRAME

JACKSHAFT BELT TENSION

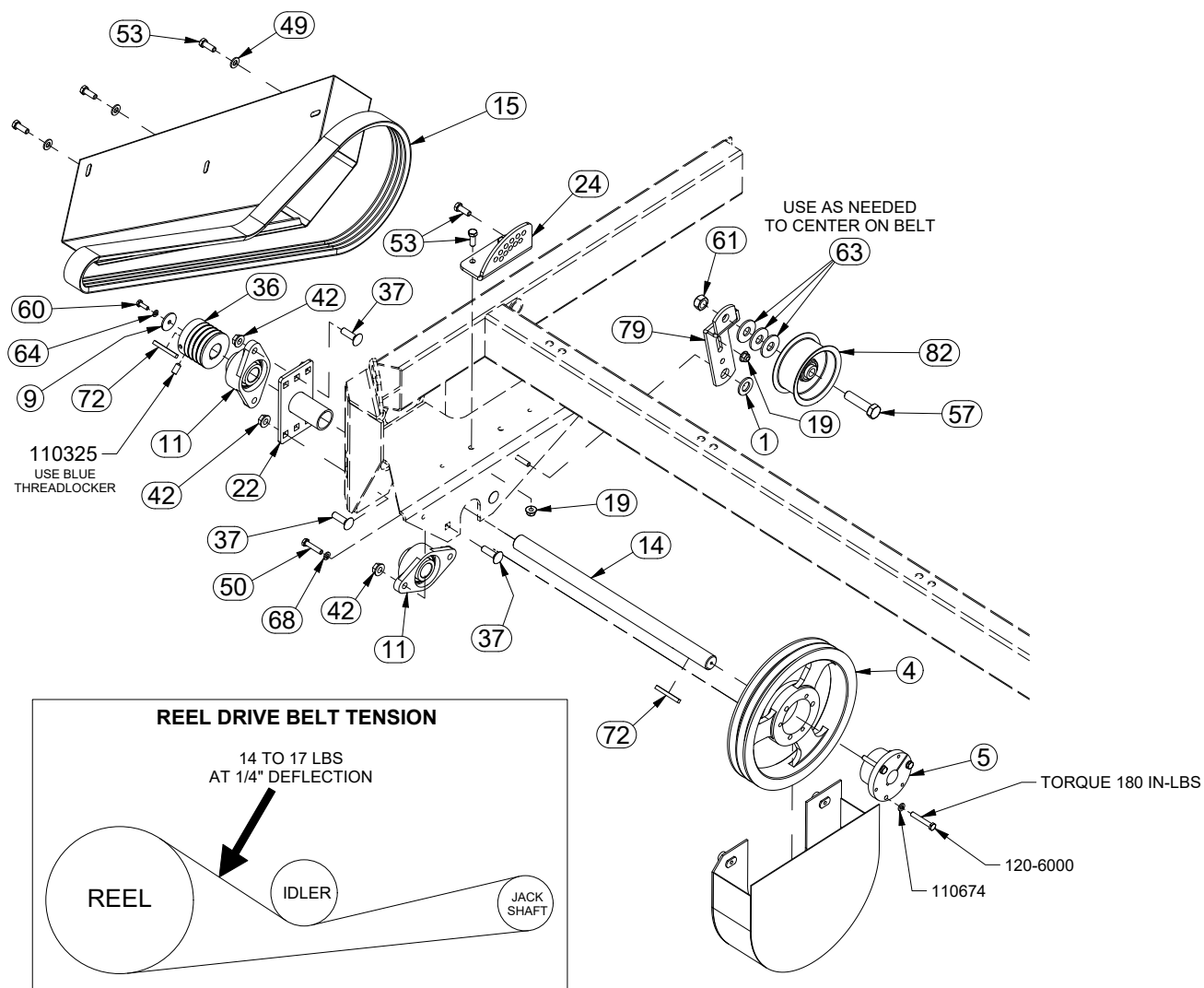


IMPELLER DRIVE BELT TENSION



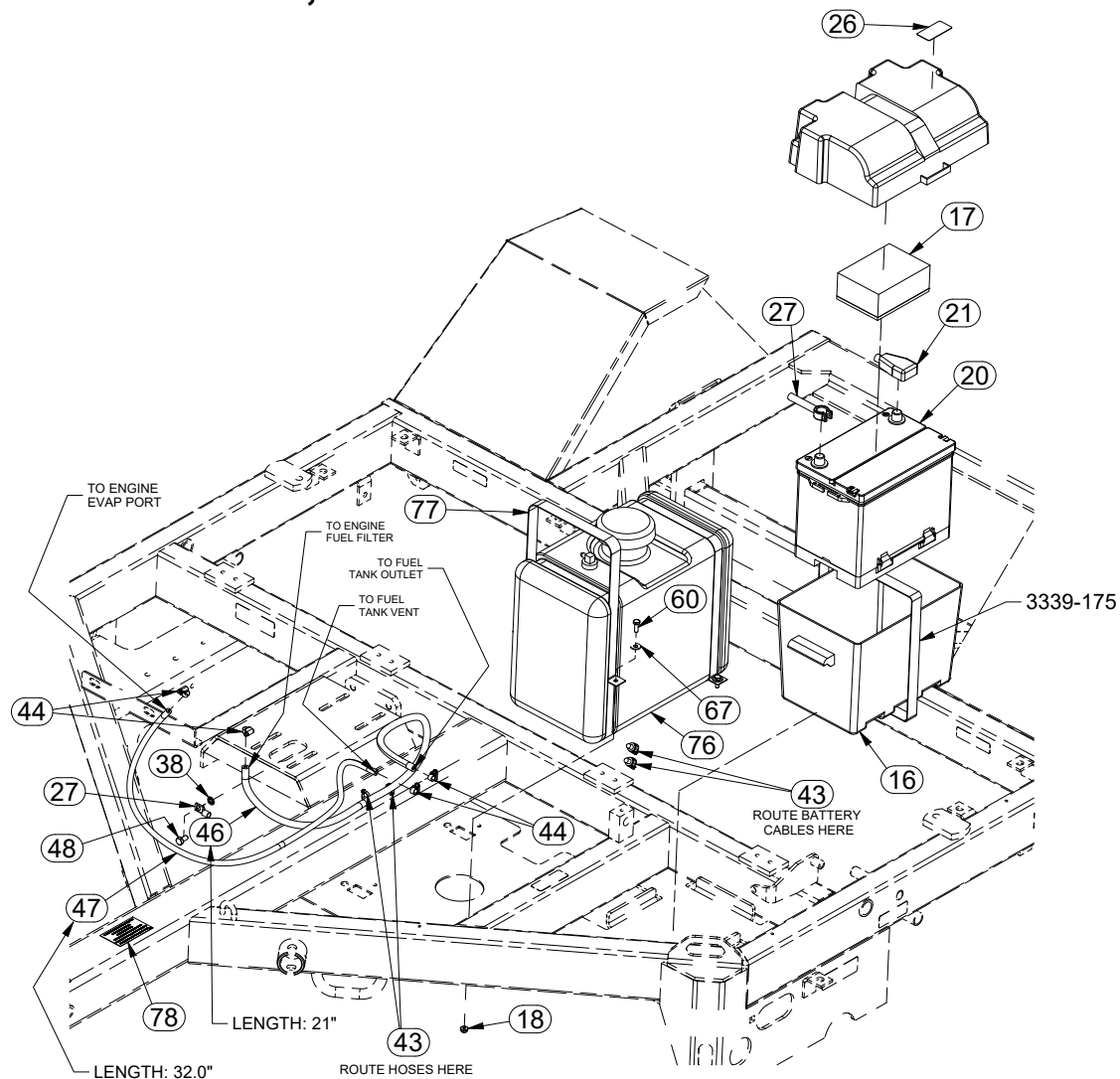
Item	Qty	Part #	Description
3	1	13-2650	V-Belt [B-Tt, 55.94 In]
6	1	13-2970	Bushing, Qd 1 7/16" Sk
12	4	80-6990	Washer-Hardened
13	1	93-0183	Belt-V, Impeller [B-Tt, 81.90 In]
18	6	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc
19	9	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc
23	1	117-8510-03	Guard-Belt (Black)
48	1	110081	Bolt, M8x1.25 X 16 Gr 10.9
49	13	110155	Washer, 3/8" Flat Sae
52	4	110404	Bolt, 3/8-16 X 1.75
53	16	110420	Bolt, 3/8-16 X 1.0
58	2	110547	Bolt, 7/16-14 X 3.5
60	7	110561	Bolt, 1/4-20 X .75
62	2	110642	Nut, 1/2-13 Hex Jam Gr 2
67	6	110673	Washer, 1/4" Flat Standard
69	2	110714	Bolt, 1/2-13 X 3 Tap
70	9	110804	Nut, 3/8-16 U-Type .75I
75	1	511083	Key, 3/8 X 3/8 X 2.25 Under
81	1	942063	Sheave, 2a7.0/B7.4, Qd-Sk

GUARD ASSEMBLY



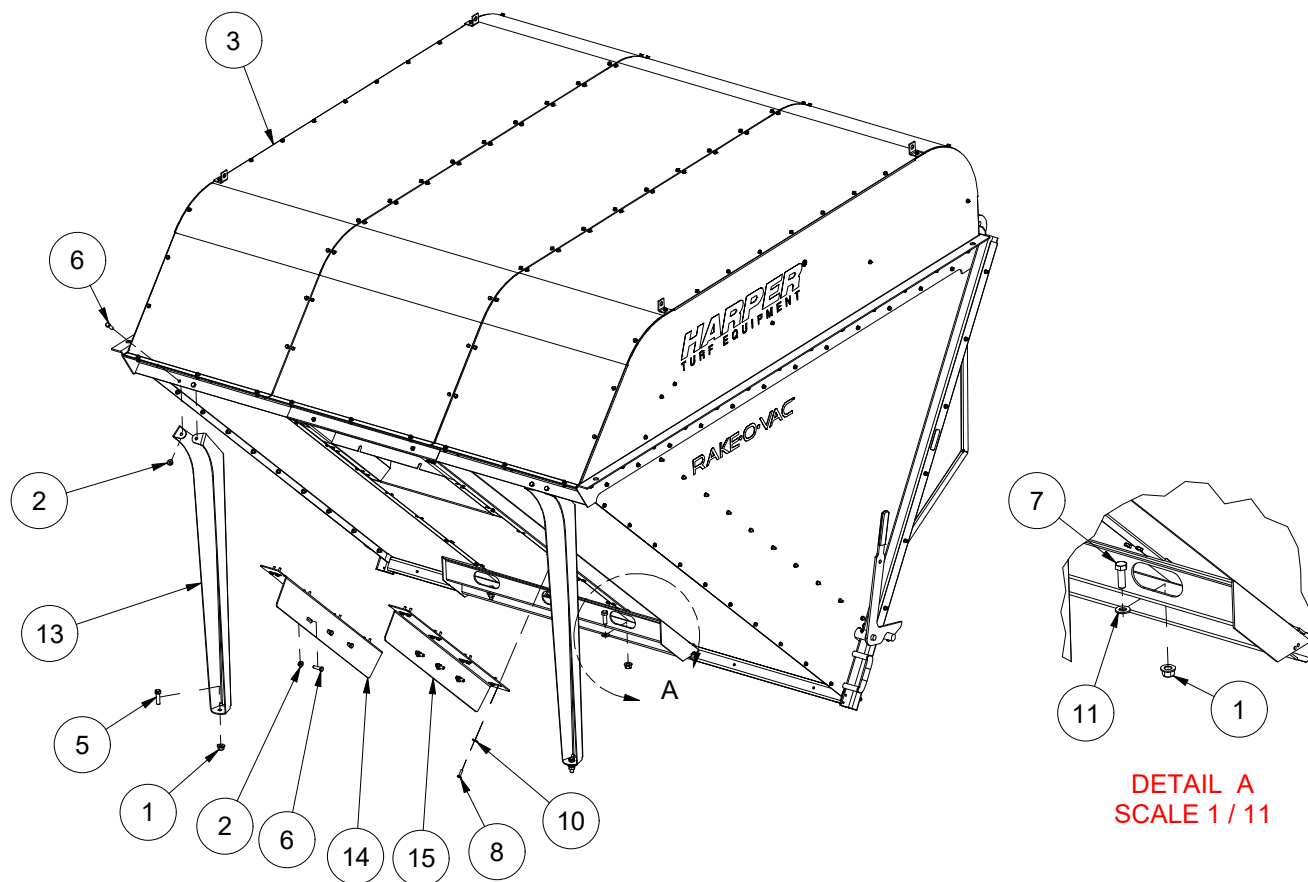
Item	Qty	Part #	Description	Item	Qty	Part #	Description
1	1	3-8448	Washer, 1.375 X .75 X .125,Zn	49	13	110155	Washer, 3/8" Flat Sae
4	1	13-2670	Sheave, 2a10.6/B11.0, Qd-Sk	50	2	110377	Bolt, 5/16-18 X 1-1/2
5	1	13-2680	Bushing, Qd 1-1/8", Sk	53	16	110420	Bolt, 3/8-16 X 1.0
9	1	13-3710	Washer, 1/4 X 1.375, 12ga,Zn	57	1	110513	Bolt, 5/8-11 X 2.5
11	2	56-6230	Bearing-Roller	60	7	110561	Bolt, 1/4-20 X .75
14	1	93-4032	Jack Shaft	61	1	110639	Nut, 5/8-11, Unitorque Lock
15	1	93-4034	V-Belt [3vtt, 78.85 In]	63	3	110650	Washer, 5/8" Flat Standard
19	9	104-8301	Nut, 3/8-16, Lock, Flange, Gr F,Zn	64	1	110667	Washer, 1/4" Lock
22	1	117-8506-03	Mount- Guard Asm	68	2	110674	Washer, 5/16" Lock
24	1	117-8538-03	Bracket-Idler Arm [Black]	72	2	410238	Key, 1/4 X 1/4 X 2.25 In
36	1	140-2208	Sheave, 4/3v2.8 X 1-1/8"	79	1	911279	Brkt, Idler Arm
37	6	3232-3	Bolt, 7/16-14 X 1.5 In Carriage	82	1	942167	Idler Pulley Assy
42	6	32128-42	Nut, 7/16-14, Lock, Flange, Gr G,Zn				

ENGINE ROUTING, BATTERY & TANK



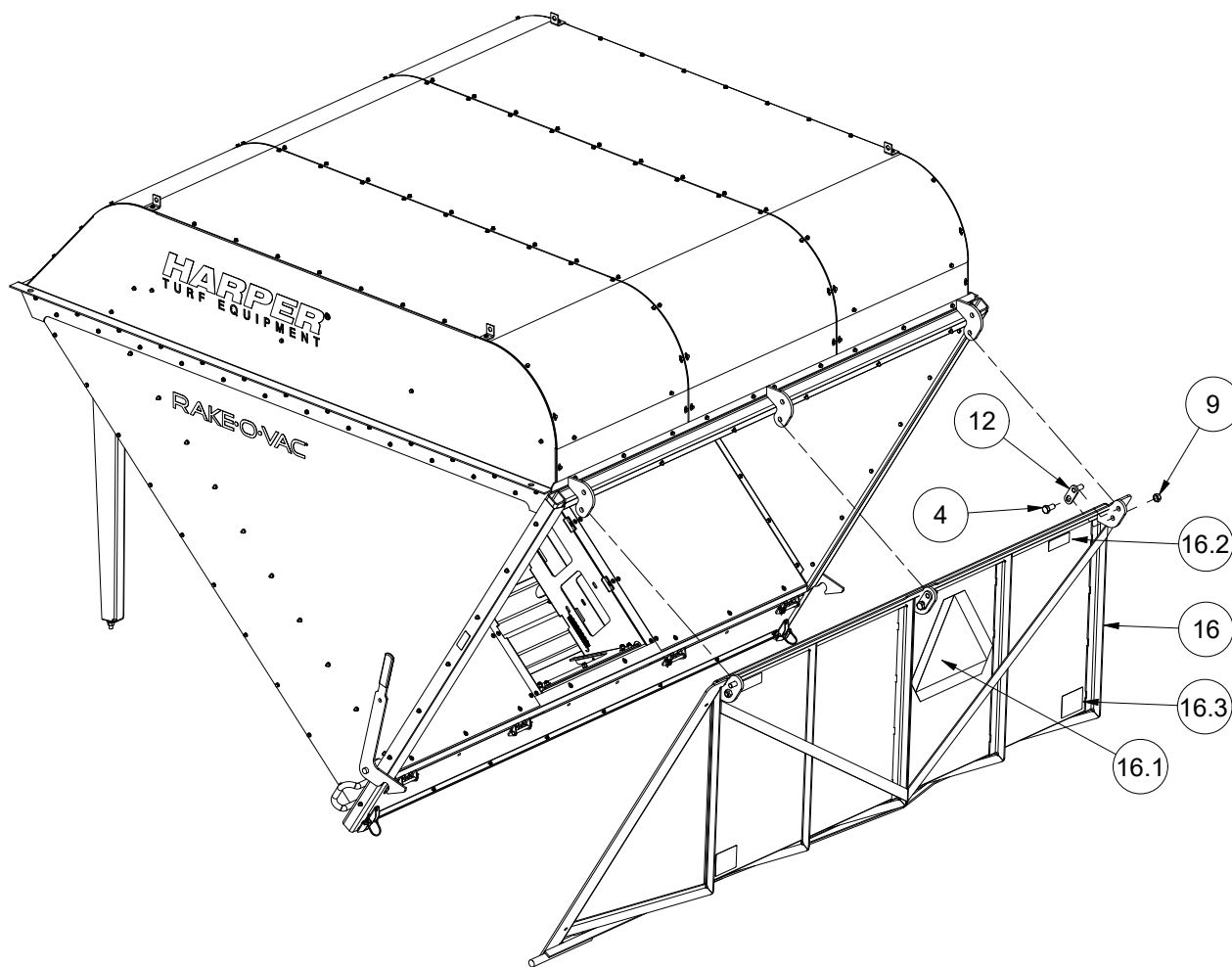
Item	Qty	Part #	Description
16	1	93-7595	Battery Box Asm
17	1	93-7968	Pad-Foam, Battery
18	6	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc
20	1	106-5189	Battery-Wet, 12v, 690 Cca
21	1	112-6808	Cable-Battery, Positive
26	1	119-6807	Decal - Warning, Do Not Step
27	1	120-5908	Cable - Battery, Neg
38	1	3254-2	Washer, 5/16, Lock, Int Tooth
43	4	32180-030	Clip-Tie [Fir Tree W/Tie, 1/4 Inch Hole]
44	4	100361	Clamp, Hose #4 .25 Mini
46	21.0"	100644	Hose, 1/4" Low Perm
47	32.0"	100708	Hose, 3/16" Low Perm
48	1	110081	Bolt, M8x1.25 X 16 Gr 10.9
60	7	110561	Bolt, 1/4-20 X .75
67	6	110673	Washer, 1/4" Flat Standard
76	1	902162	Fuel Tank Assy, 6 Gal
77	2	902163	Strap, Hold Down
78	1	902181	Decal, Emissions Compliance

HOPPER



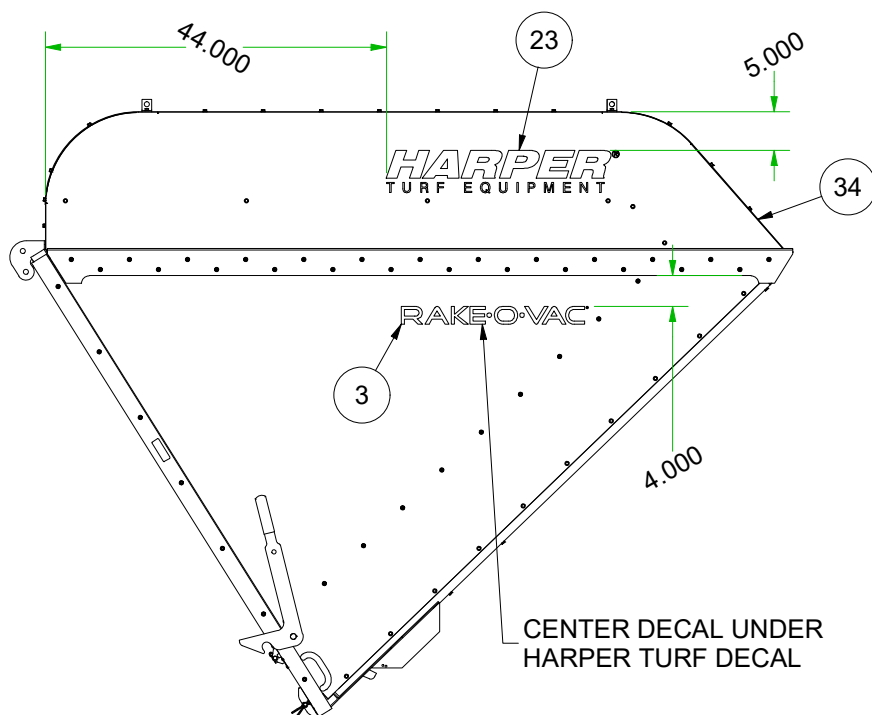
Item	Qty	Part #	Description
1	5	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zinc
2	10	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc
3	1	120-6170	Hopper Asm
4	3	110026	Bolt, 40671 X 1.25
5	2	110419	Bolt, 41276 X 1.75
6	10	110425	Bolt, 42437 X 1.25 Hhcs Gr 5
7	3	110429	Bolt, 41276 X 1.5 Hhcs Gr 5
8	16	110464	Bolt, 43834 X 1
9	3	110639	Nut, 5/8-11, Unitorque Lock
10	16	110673	Washer [Hard 5/16]
11	3	111119	Washer, 1/2, Sae, Zinc
12	3	315257	Pin Weldment, Hopper Door
13	2	911240	Post-Support, Hopper
14	1	911241	Bracket-Blower, Rh
15	1	911242	Bracket-Blower, Lh
16	1	915798	Door- Hopper (Service)

HOPPER



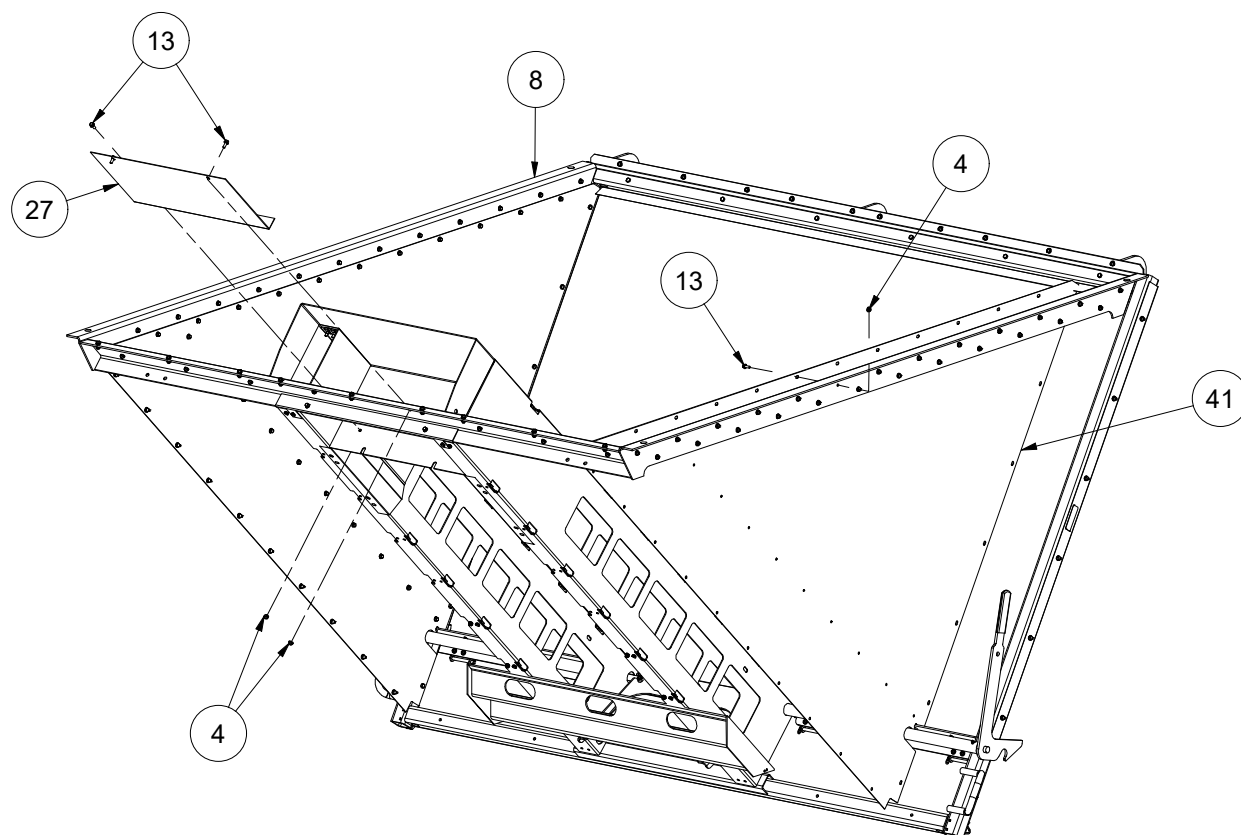
Item	Qty	Part #	Description
1	5	99-5107	Nut, 1/2-13, Lock, Flange, Gr G, Zinc
2	10	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc
3	1	120-6170	Hopper Asm
4	3	110026	Bolt, 40671 X 1.25
5	2	110419	Bolt, 41276 X 1.75
6	10	110425	Bolt, 42437 X 1.25 Hhcs Gr 5
7	3	110429	Bolt, 41276 X 1.5 Hhcs Gr 5
8	16	110464	Bolt, 43834 X 1
9	3	110639	Nut, 5/8-11, Unitorque Lock
10	16	110673	Washer [Hard 5/16]
11	3	111119	Washer, 1/2, Sae, Zinc
12	3	315257	Pin Weldment, Hopper Door
13	2	911240	Post-Support, Hopper
14	1	911241	Bracket-Blower, Rh
15	1	911242	Bracket-Blower, Lh
16	1	915798	Door- Hopper (Service)
16.1	1	120-0250	Decal, SMV Warning
16.2	2	121-2840	Decal, Warning
16.3	2	121-2841	Decal, Caution

HOPPER ASSEMBLY



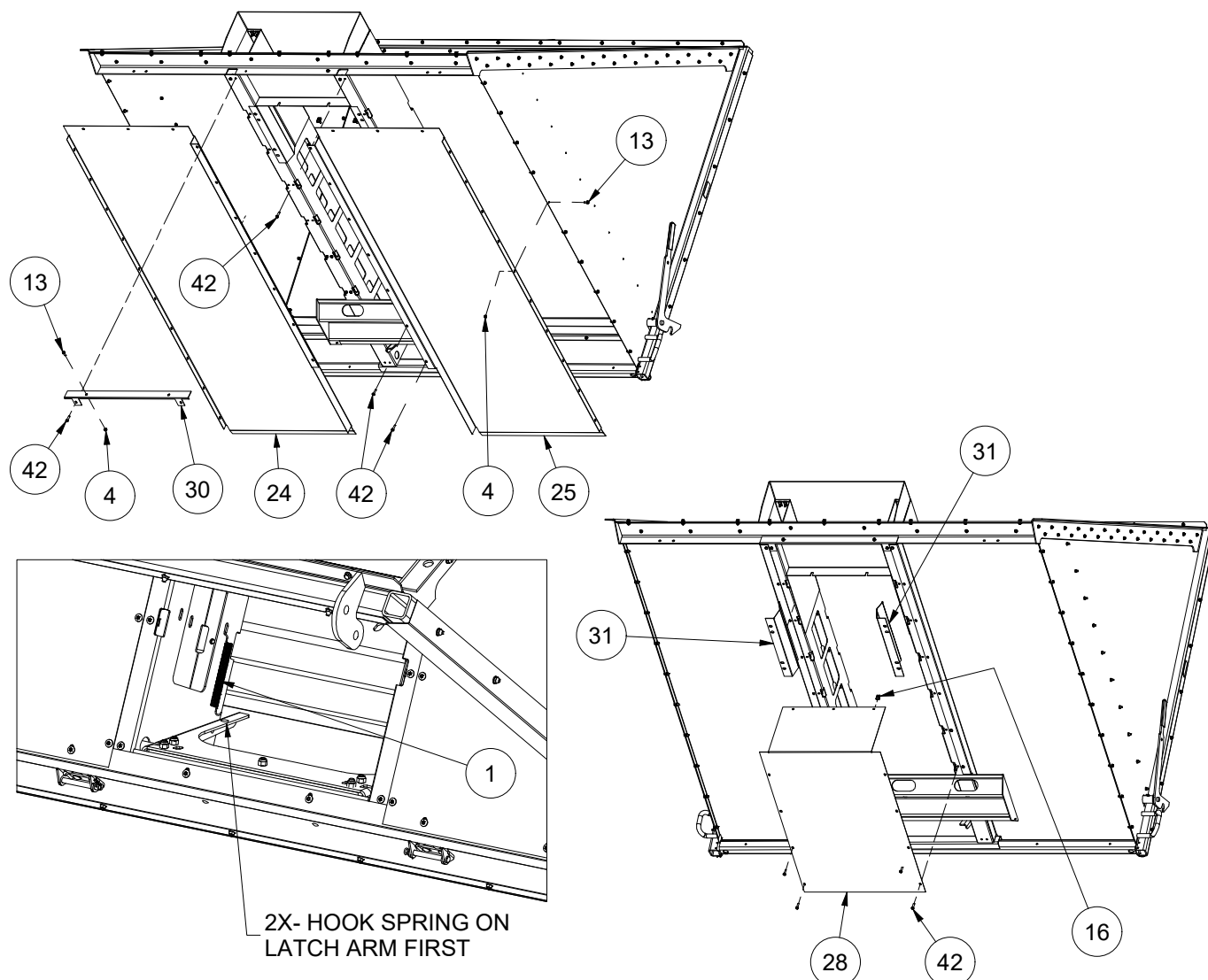
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER FRAME & SIDE PANELS



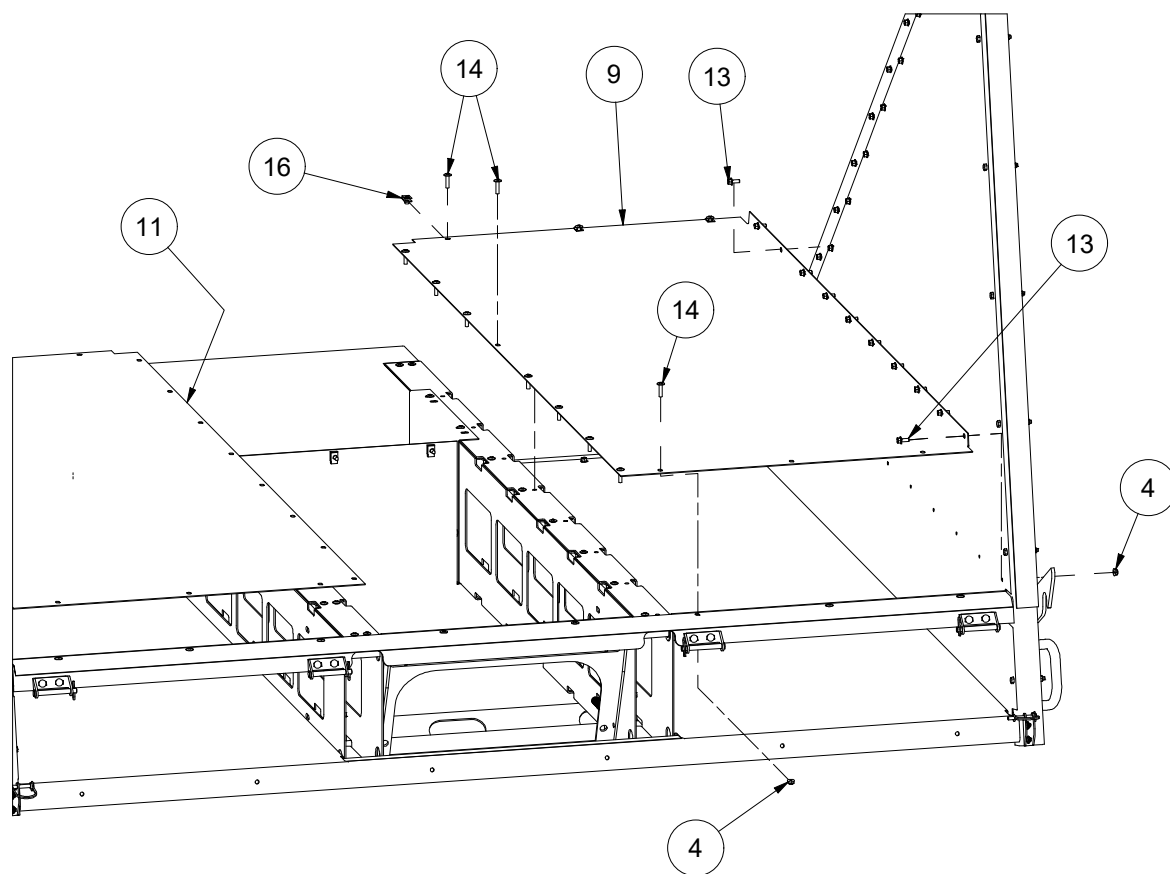
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER LOWER & UPPER PANELS



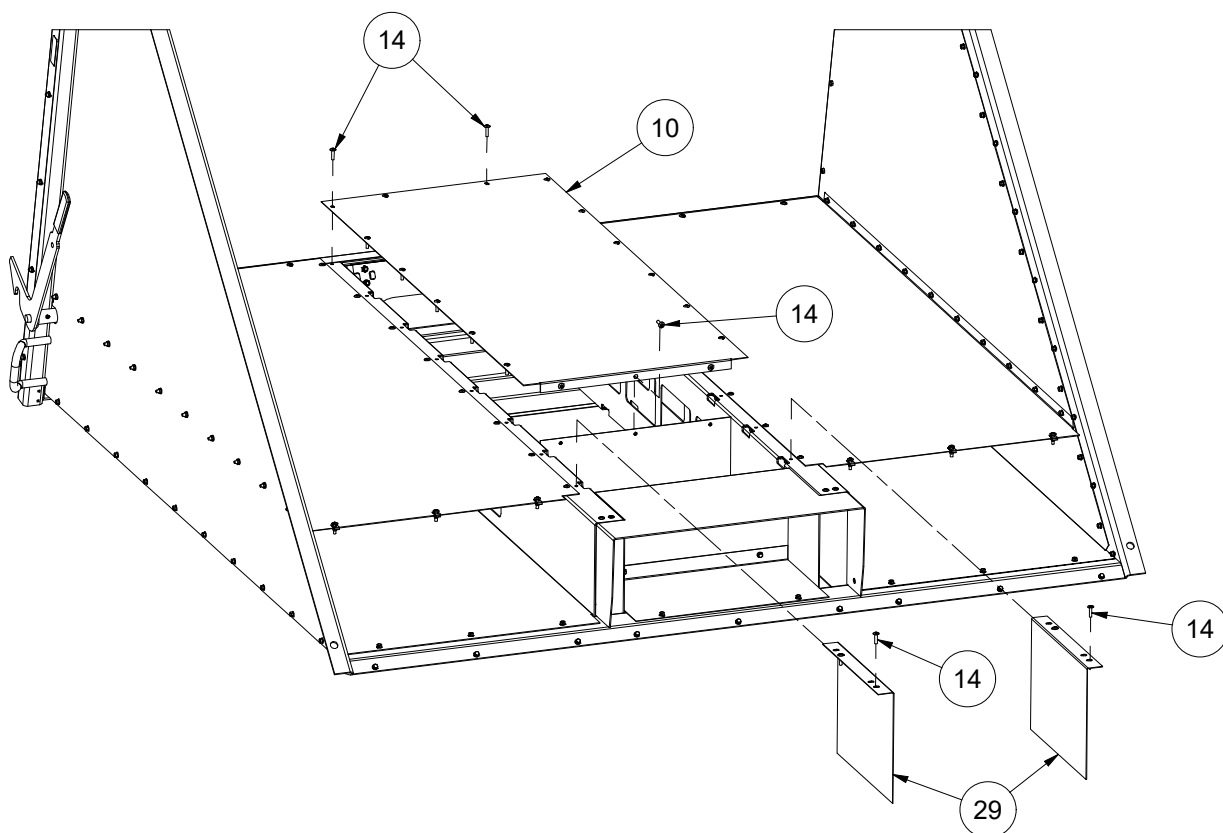
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER FLOOR PANELS



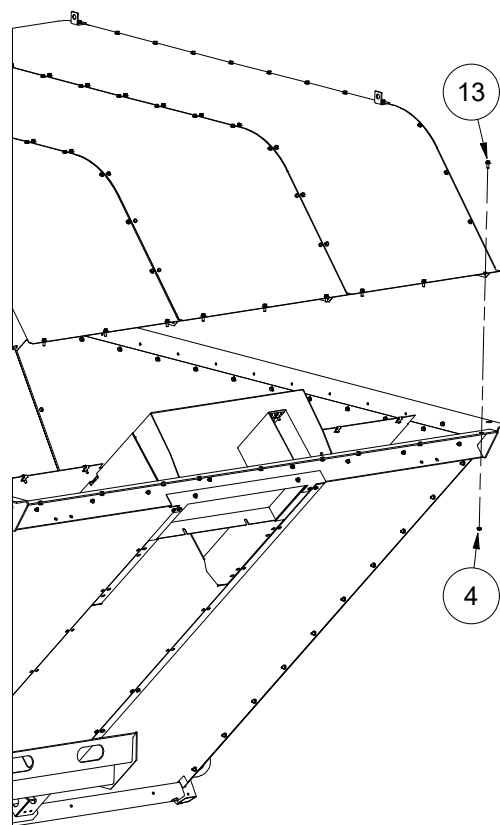
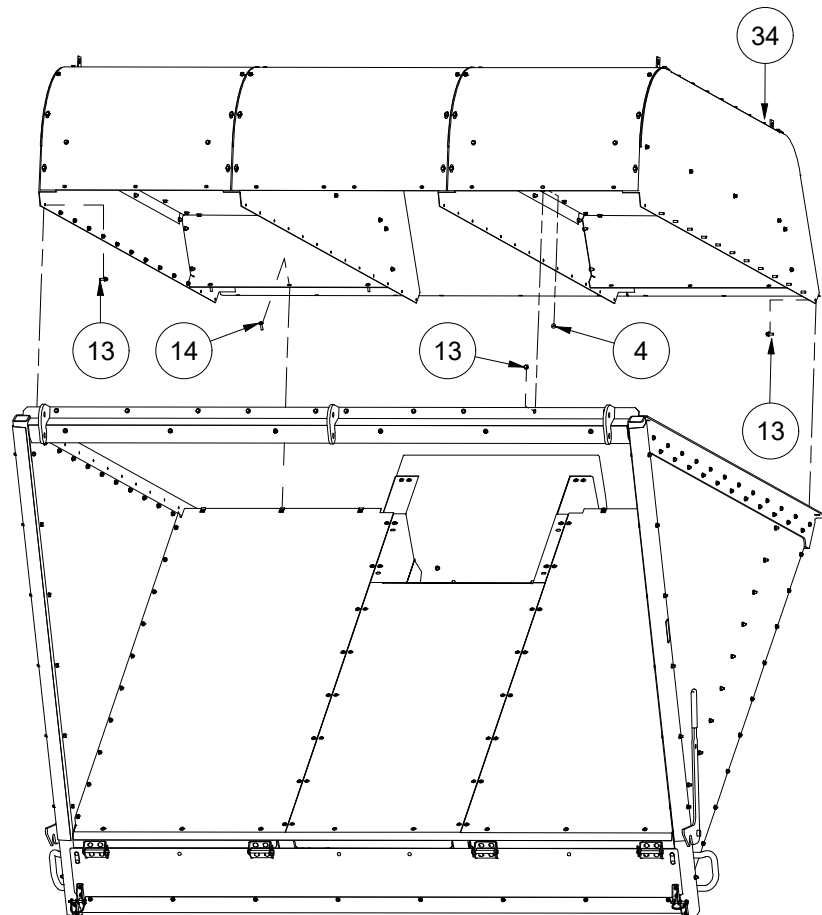
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER CENTER PANELS



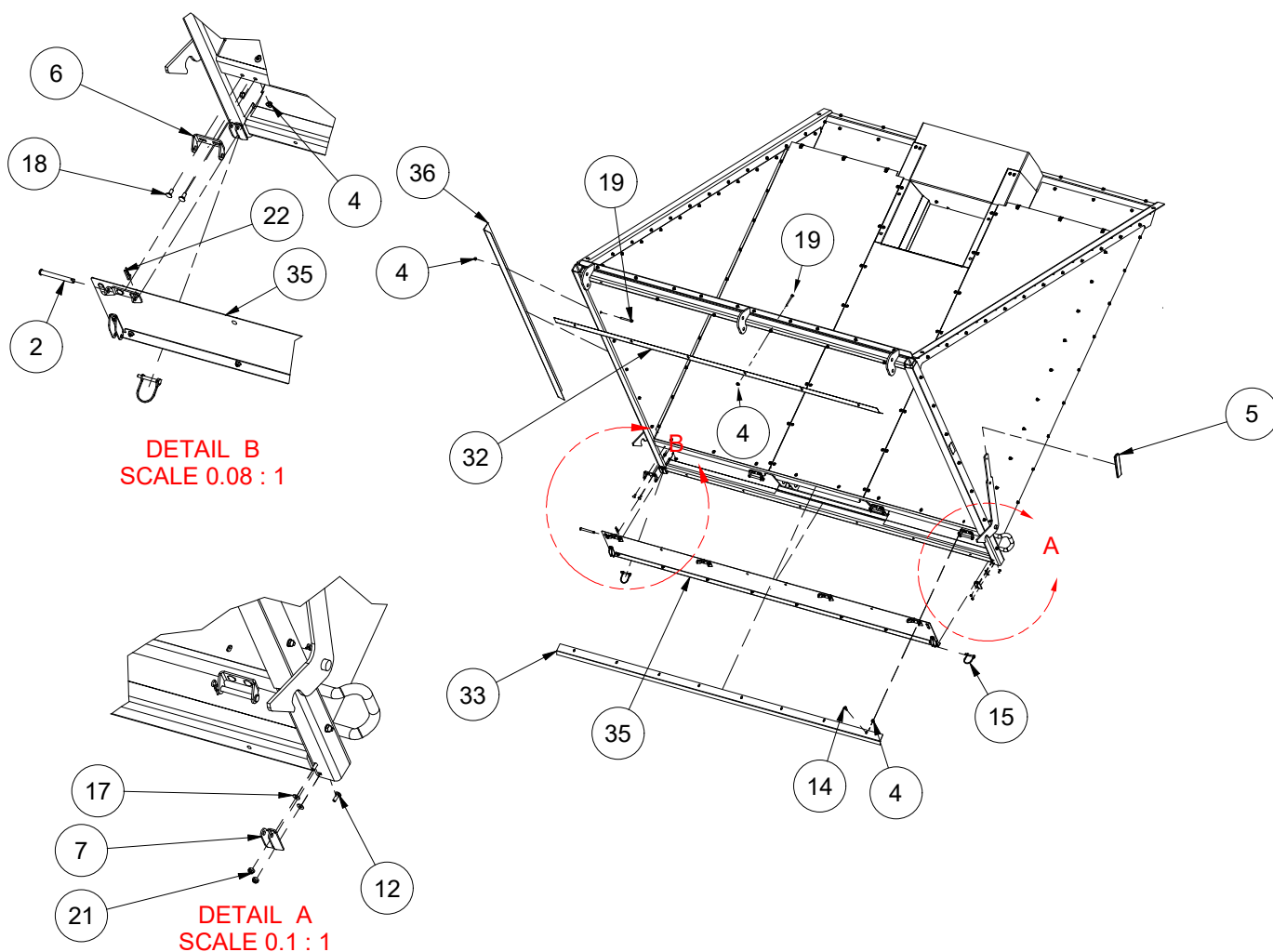
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER ROOF ASSEMBLY



ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

HOPPER SEALS & SCREEN FLOOR

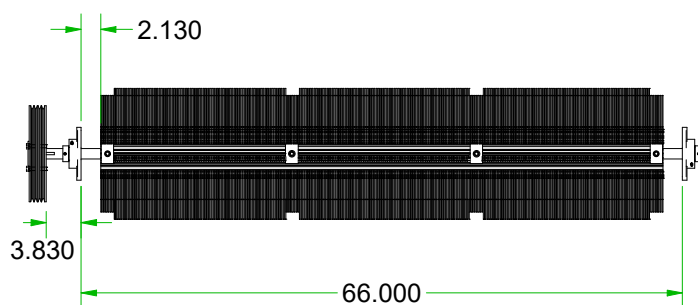
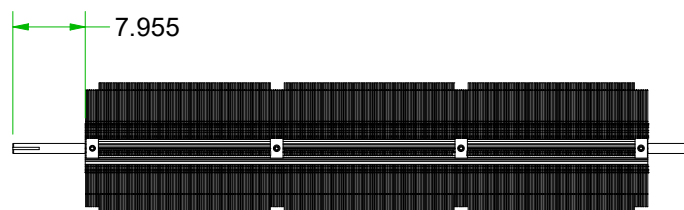
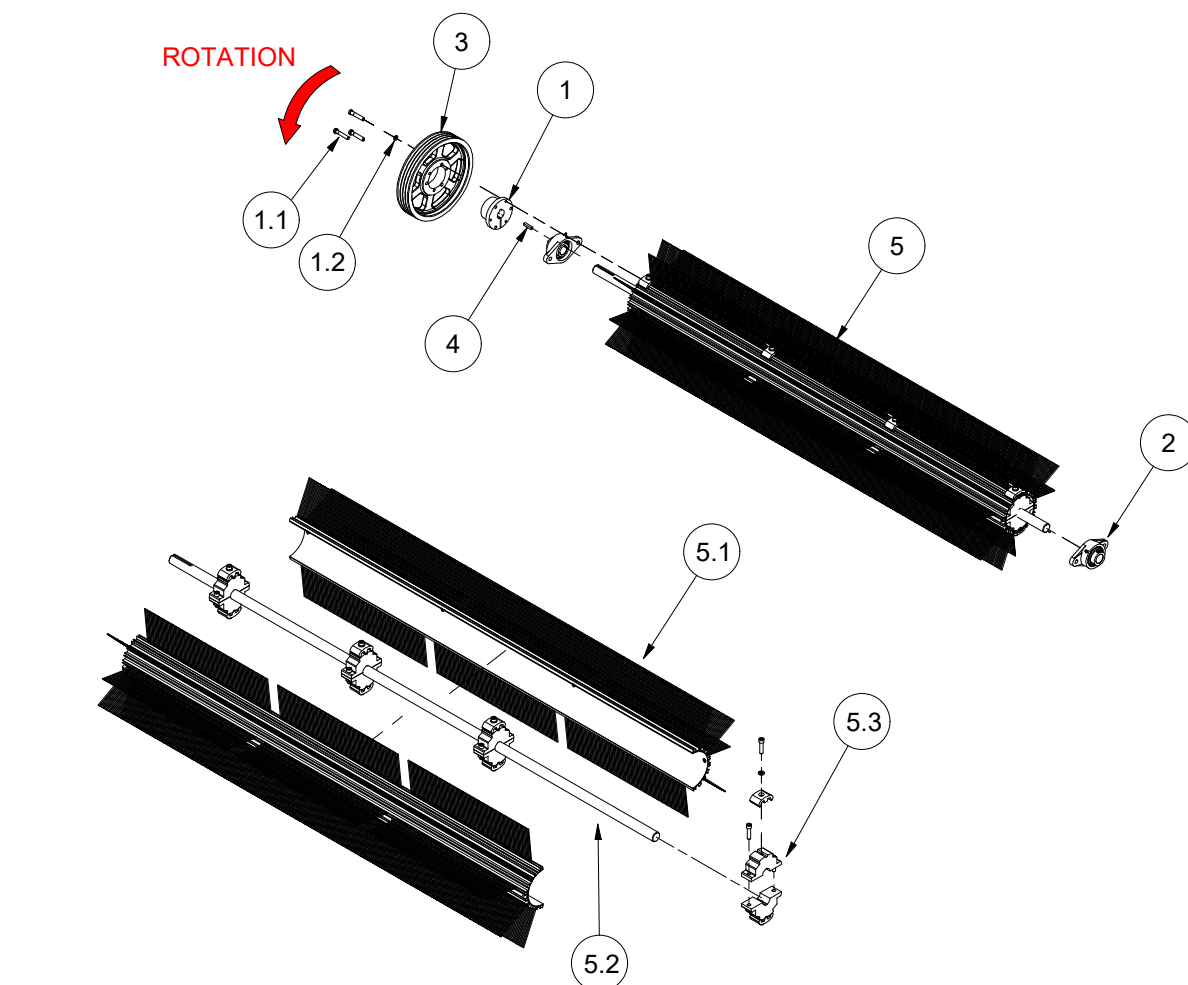


ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	2	12-8810	Spring- Tension	19	20	110410	Bolt, 1/4-20 X 2.5 Hhcs Gr 5 Zinc
2	4	80-2570	Pin-Clevis[3/8 X 3.25, Stl, Cz]	21	4	110631	Nut, 10-24 Lock Nylon Insert
3	2	93-0184	Decal, Rake-O-Vac	22	4	312022	Clip, Hairpin 3/32 X 1.625
4	157	104-7201	Nut, 1/4-20, Lock, Flange, Gr F, Zinc	23	2	902242	Decal, Harper Turf Equipment, 30"
5	2	105-3450	Grip, Lift Lever	24	1	911230	Panel- Rh Bottom
6	4	107-1549	Hinge-Half	25	1	911231	Panel- Lh Bottom
7	2	119-6227	Bracket, Chute Extension	27	1	911233	Panel- Center, Upper
8	1	120-6150	Frame-Hopper, Asm	28	1	911234	Panel-Center, Lower
9	1	120-6159	Panel- Floor, Side Rh	29	2	911235	Panel- Center, Lower
10	1	120-6161	Panel-Center, Inside	30	1	911236	Panel- Closeoff
11	1	120-6173	Panel- Floor, Side Lh	31	2	911237	Seal-Chute, Side
12	4	3229-34	Screw-Carr [10-24 X .625,Gr5,Bz]	32	1	911238	Seal-Door, Top
13	121	3234-33	Screw-Hhf(1/4-20 X .625)	33	1	911239	Seal-Door, Bottom
14	53	32105-32	Screw-Tth [Torx 1/4-20 X 1.00, Stl, Cz]	34	1	915801	Hopper Roof Asm
15	2	102018	Pin, Wire Lock	35	1	915802	Screen Floor Asm
16	9	110071	Nut, 1/4-20 U-Type Tapped Hole	36	2	915806	Seal-Door, Side (Service)
17	4	110090	Washer, #10 Flat Standard	41	2	911232	Panel-Side, Hopper
18	8	110358	Bolt, 1/4-20 X.625 Carriage Gr 5 Zinc	42	12	110464	Bolt, 1/4-20 X 1.0

RAKE-O-VAC

ACCESSORIES

STREET BROOM

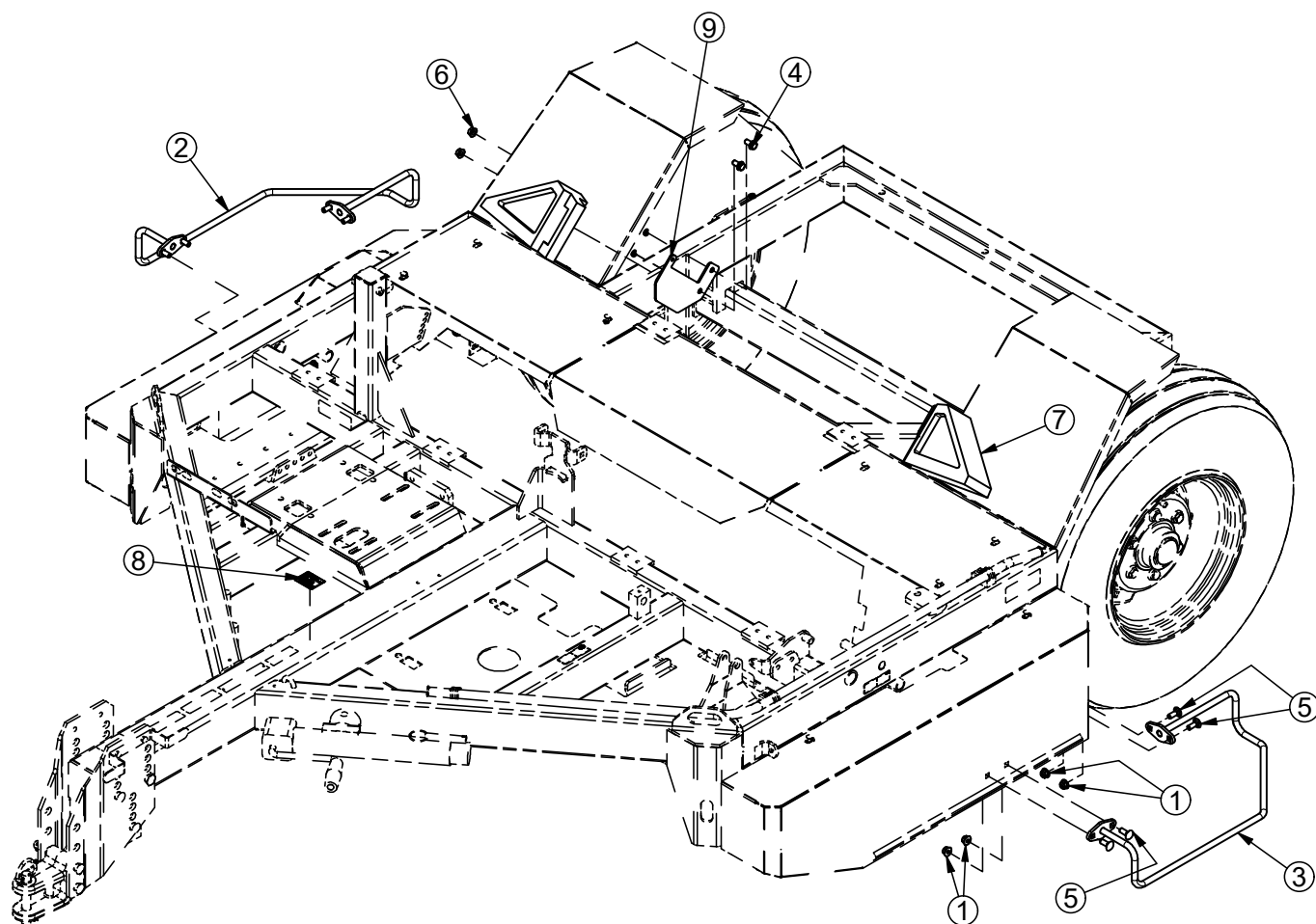


Turn the bearing (2) collars/races hand tight in direction of rotation when assembled. Then use punch and hammer for a final impact tighten (in direction of rotation.) Finally, snug the set screws.

Torque (1.1) and (5.3) bolts to 20 ft-lbs. Wait 10 min then re-torque to 20 ft-lbs. After 1 hour of operation, torque again to 20 ft-lbs.

ITEM	QTY	PART #	DESCRIPTION
1	1	13-2680	Bushing
1.1	3	110378	Bolt, 5/16-18 X 2.0
1.2	3	110674	Washer, 5/16" Lock
2	2	56-6230	Bearing-Roller
3	1	93-4001	Pulley- 4 Groove
4	1	510089	Key, 1/4 X 1/4 X 1.25 In
5	1	915874	Street Broom Kit
5.1	1	49-2610	Brush (Two Halves)
5.2	1	93-7712	Shaft-Reel, Sweeper
5.3	4	105-8534	Support-Brush

KIT-GUARD



Item	Qty	Part #	Description
1	8	104-8301	Nut, 3/8-16, Lock, Flange, Gr F, Zinc
2	1	137-6530-03	Guard-Right (Welded, Black)
3	1	137-6531-03	Guard-Left (Welded, Black)
4	4	110437	Bolt, 3/8-16 X 0.75, Wiz Flange
5	8	110556	Bolt, 3/8-16 X 1 In Carriage
6	4	110645	Nut, 3/8-16 Wiz Flange
7	2	302207	Wheel Chock, Solid Rubber
8	1	902264	Decal, Sound Level Rov
9	2	911291	Wheel Chock Bracket

Attachments and Accessories

For 07055 Dust-Control 66in Rake-O-Vac Sweeper

Product Name

Model/Part

Spark Arrestor Screen 94-8157

NOTES

Harper Industries, Inc.
151 E. Highway 160
Harper, KS 67058

Telephone: 620-896-7381
Toll-Free: 800-835-1042
Fax: 620-896-7129

Website: www.harperindustries.com

E-mail: info@harperindustries.com