

## Parts Manual

---

### Single Vertical Saw (SVS)rev. A1.00 - A5.00

---



**Safety is our #1 concern!** Read and understand all safety information and instructions before operating, setting up or maintaining this machine.

*June 2011*

*Form #1750*

# Table of Contents

# Section-Page

<b>SECTION 1</b>	<b>REPLACEMENT PARTS</b>	<b>1-1</b>
1.1	How To Use The Parts List .....	1-1
1.2	Sample Assembly .....	1-1
<b>SECTION 2</b>	<b>BLADE GUIDES</b>	<b>2-1</b>
2.1	Blade Guide Assembly, Idle Side.....	2-1
2.2	Blade Guide Assembly, Drive Side.....	2-3
<b>SECTION 3</b>	<b>BLADE WHEELS &amp; TENSIONER</b>	<b>3-1</b>
3.1	Blade Wheel Assembly, Drive Side .....	3-1
3.2	Blade Wheel Assembly, Idle Side .....	3-2
3.3	Blade Tensioner Assembly.....	3-3
	<i>SVS Rev. A4.00+</i> .....	<i>3-3</i>
3.4	Hydraulic Blade Tensioner Supply .....	3-4
	<i>SVS Rev. A4.00+</i> .....	<i>3-4</i>
3.5	Blade Tensioner Assembly.....	3-6
	<i>SVS Rev. A1.00 - A3.01</i> .....	<i>3-6</i>
<b>SECTION 4</b>	<b>SAW HEAD</b>	<b>4-1</b>
4.1	Middle Throat Screw .....	4-1
4.2	Water Bottle Assembly (LMS).....	4-2
4.3	Saw Head Decals.....	4-4
4.4	Blade Housing Cover & Electric Box .....	4-5
4.5	Hold-Down Roller.....	4-7
4.6	Blade Drive Motor.....	4-9
4.7	Control Box .....	4-10
4.8	Blade Alignment Tool .....	4-11
4.9	Front Cover.....	4-12
4.10	Saw Head Tilt Adjustment Assembly .....	4-13
<b>SECTION 5</b>	<b>SVS TABLES</b>	<b>5-1</b>
5.1	Feed Track Assembly .....	5-1
5.2	Chains .....	5-4
5.3	Infeed & Outfeed Table .....	5-6
5.4	Side Table (Optional) .....	5-8
	<b>INDEX</b>	<b>I</b>

## SECTION 1 REPLACEMENT PARTS

### 1.1 How To Use The Parts List

- Go to the appropriate section and locate the part in the illustration.
- Use the number pointing to the part to locate the correct part number and description in the table.
- Parts shown indented under another part are included with that part.
- Parts marked with a diamond (◆) are only available in the assembly listed above the part.

See the sample table below. Sample Part #A01111 includes part F02222-2 and subassembly A03333. Subassembly A03333 includes part S04444-4 and subassembly K05555. The diamond (◆) indicates that S04444-4 is not available except in subassembly A03333. Subassembly K05555 includes parts M06666 and F07777-77. The diamond (◆) indicates M06666 is not available except in subassembly K05555.

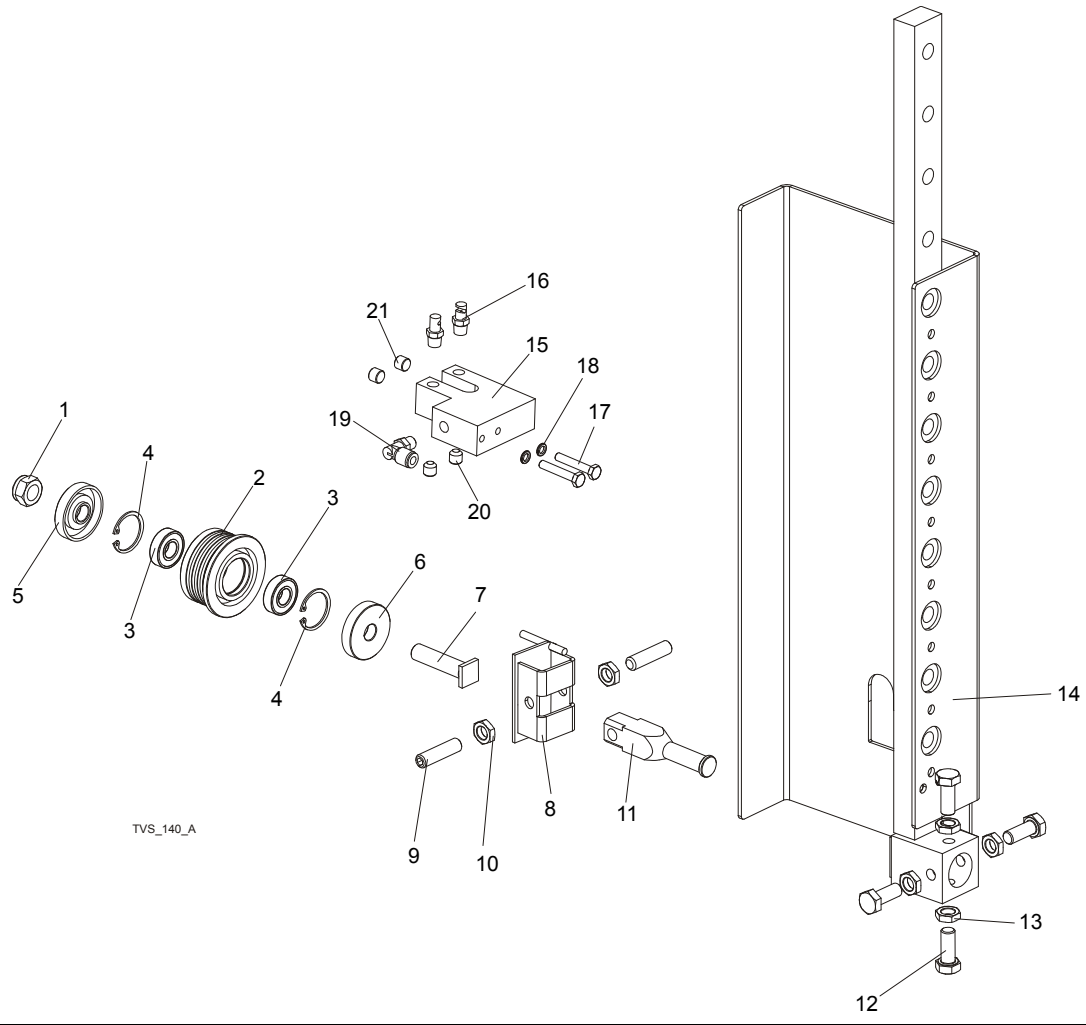
<b>1.2 Sample Assembly</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>SAMPLE ASSEMBLY, COMPLETE</b> (Includes All Indented Parts Below)	A01111	1	
1	Sample Part	F02222-22	1	
2	Sample Subassembly (Includes All Indented Parts Below)	A03333	1	
	Sample Part (Indicates Part Is Only Available With A03333)	S04444-4	1	◆
3	Sample Subassembly (Includes All Indented Parts Below)	K05555	1	
	Sample Part (Indicates Part Is Only Available With K05555)	M06666	2	◆
4	Sample Part	F07777-77	1	

**To Order Parts:**

From the continental U.S., call **1-800-525-8100** to order parts. Have your customer number, VIN, and part numbers ready when you call. From other international locations, contact the Wood-Mizer distributor in your area for parts.

**SECTION 2 BLADE GUIDES**

**2.1 Blade Guide Assembly, Idle Side**



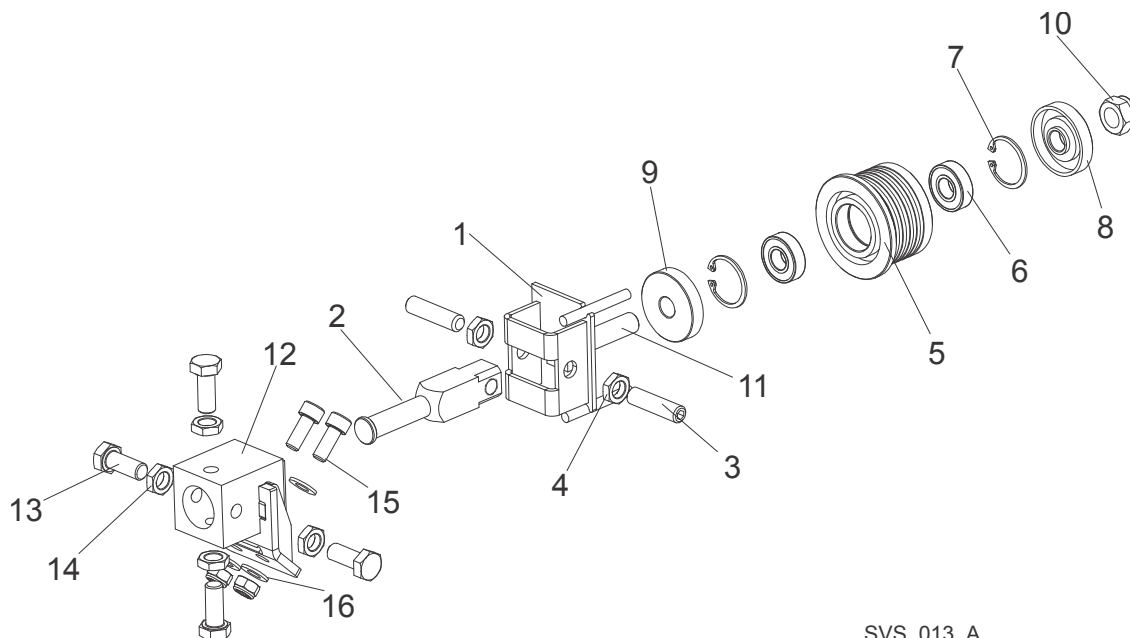
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>ROLLER, TVS BLADE GUIDE COMPLETE</b>	500562	1	
	Roller, Tvs Blade Guide	500561	1	
1	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	1	
2	Roller, Tvs Blade Guide Wide	500560	1	◆
3	Bearing, 6001 2rsr Fag	087893	2	
4	Ring, W28 Inside Retaining	F81090-9	1	
5	Ring, Zinc-plated Spacer (For Extend.roll)	087891-1	1	
6	Ring, Zinc-plated Spacer (For Extend.roll)	087892-1	1	
7	Shaft, Blade Guide Roller Zinc-plated	087762-1	1	

8	Bracket Weldment, Blade Guide Painted	500563-1	1	
9	Screw, M10x1x40 DIN 913 A2-70 Set Stainless Steel	F81015-2	2	
10	Nut, M10x1-04-ST-A2 ISO 8675 Thin	F81033-10	2	
11	Shaft, Blade Guide Mount Zinc-plated	088255-1	1	
12	<b>BOLT, M10x1x25 DIN 933</b>	F81003-28	4	
13	<b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b>	F81033-10	4	
14	<b>ROLLER GUIDE, TVS RIGHT-PTD</b>	096131-1	1	
	<b>ROLLER GUIDE, TVS LEFT- PTD</b>	098608-1	1	
	<b>LUBE SYSTEM, TVS</b>	098583	2	
15	Block, Nozzle Mounting Zinc-plated	097943-1	1	
16	Nozzle, Blade Lube Spray	033479	2	
17	Bolt, M6x35 8.8 Hex Head Zinc	F81001-71	2	
18	Washer, M6 Split Lock Zinc	F81053-3	2	
19	Fitting, 1/8MPTx1/4Tube,Elbow,Swivel	P09736	1	
20	Fitting, 1/8 NPT Socket Pipe Plug	P30127	2	
21	Plug, M10x1 Din 906 Bn40 "Bossard"	F81015-3	2	
22	<b>BOLT, 12/M10x20 12.9 ISO07379 (Bossard)</b>	F81003-28	8	

## 2 Blade Guides

Blade Guide Assembly, Drive Side

### 2.2 Blade Guide Assembly, Drive Side

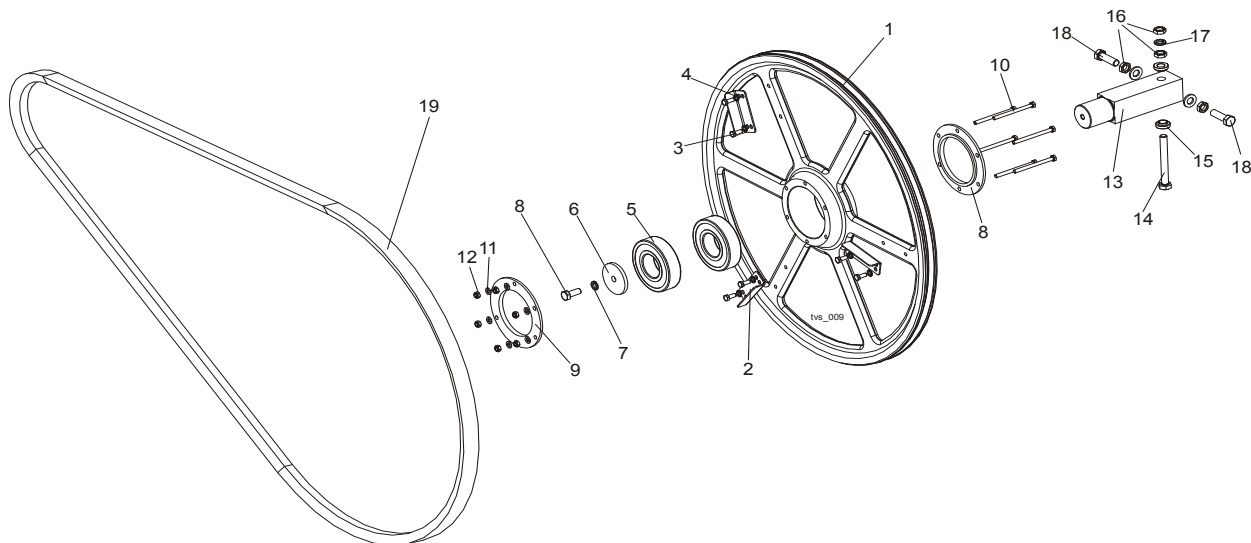


SVS\_013\_A

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>ROLLER, TVS BLADE GUIDE COMPLETE</b>	500562	1
1	Bracket Weldment, Blade Guide Painted	500563-1	1
2	Shaft, Blade Guide Mount Zinc-plated	088255-1	1
3	Screw, M10x1x40 Din913 Stainless Steel Set	F81015-2	2
4	Nut, M10x1-04-st-a2 Iso 8675 Thin	F81033-10	2
	Roller, Tvs Blade Guide	500561	1
5	Roller, Tvs Blade Guide Wide	500560	1
6	Bearing, 6001 2rsr Fag	087893	2
7	Ring, W28 Inside Retaining	F81090-9	1
8	Ring, Zinc-plated Spacer (For Extend.roll)	087891-1	1
9	Ring, Zinc-plated Spacer (For Extend.roll)	087892-1	1
10	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	1
11	Shaft, Extended Roller Zinc-plated	087762-1	1
12	<b>BLOCK WELDMENT, BLADE GUIDE MOUNT PTD</b>	088292-1	3
13	<b>BOLT, M10X1X25 DIN 933 STAINLESS STEEL</b>	F81003-28	1
14	<b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b>	F81033-10	4
15	<b>BOLT, M8x30-8.8 SOCKET HEAD</b>	F81002-31	2
16	<b>WASHER, 8.2 SPLIT LOCK ZINC</b>	F81054-4	2

## SECTION 3 BLADE WHEELS & TENSIONER

### 3.1 Blade Wheel Assembly, Drive Side

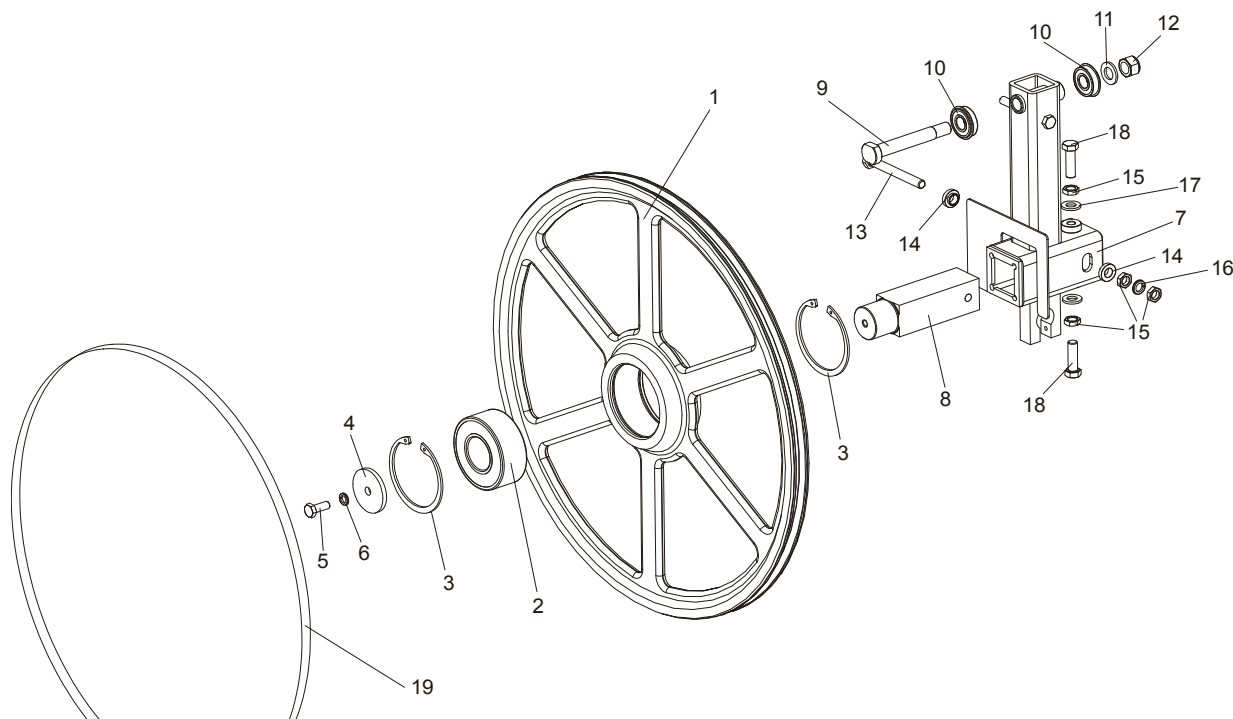


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>DRIVE SIDE BLADE WHEEL - COMPLETE</b>	096109	1
1	Wheel, Drive Side Blade	096105-1	1
2	Wing, Sawdust Blow-Off	096363-1	3
3	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	6
4	Washer, Z 6.1 Split Lock Zinc	F81053-3	6
5	Bearing, 6309 2RSR	096107	2
6	Washer, Idle Side Wheel Retaining Zinc-plated	088957-1	1
7	Washer, 10.2 Split Lock Zinc	F81055-2	1
8	Bolt, M10x25 8.8 Hex Head Full Thread	F81003-31	1
9	Ring, Bearing Mounting	096108-1	2
10	Bolt, M6x80 5.8 Hex Head Full Thread Zinc	F81001-61	6
11	Washer, 6.4 Flat Zinc	F81053-1	6
12	Nut, M6-8-B Hex Nylon Zinc Lock	F81031-2	6
13	<b>SHAFT, DRIVE SIDE BLADE WHEEL</b>	096110	1
14	<b>BOLT, M12 X 1.25 X 100-8,8 HEX HEAD FULL THREAD ZINC</b>	F81004-41	1
15	<b>WASHER, FLANGED ZINC-PLATED</b>	086769-1	2
16	<b>NUT, M12 X 1.25 8.8 THIN ZINC</b>	F81034-5	3
17	<b>WASHER, Z12.2 SPLIT LOCK ZINC</b>	F81056-2	1
18	<b>BOLT, M12 x 1.25 x 40-8.8 HEX HEAD ZINC</b>	F81004-42	2
19	<b>V-BELT, 5VX1080</b>	033391	1

# 3 Blade Wheels & Tensioner

Blade Wheel Assembly, Idle Side

## 3.2 Blade Wheel Assembly, Idle Side



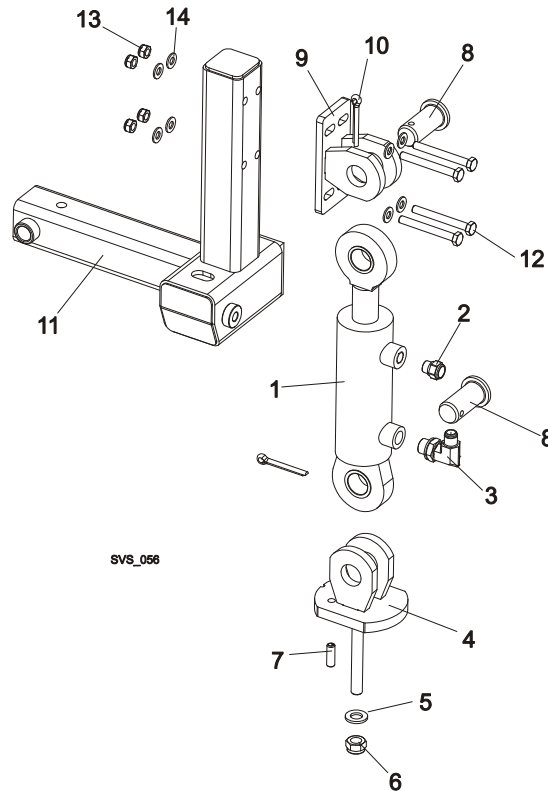
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>IDLE SIDE BLADE WHEEL - COMPLETE</b>	088764	1
1	Wheel, Idle Side Blade Ptd	090810-1	1
2	Bearing, N/T 3309B.2RSR.TVH FAG	086428	1
3	Ring, W100 Inside Retaining	F81090-10	2
4	<b>WASHER, IDLE SIDE WHEEL RETAINING ZINC-PLATED</b>	088957-1	1
5	<b>BOLT, M10 X 25 8.8 HEX HEAD FULL THREAD</b>	F81003-31	1
6	<b>WASHER, 10.2 SPLIT LOCK ZINC</b>	F81055-2	1
7	<b>ARM WELDMENT, RESAW&amp;TVS IDLE SIDE WHEEL</b>	098606-1	1
8	<b>SHAFT, IDLE SIDE BLADE WHEEL</b>	088474	1
9	<b>BOLT, ARM BEARING MOUNT</b>	086404	1
10	<b>BEARING, 6203- DDUNR NSK W/SNAP RING</b>	086395	2
11	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	1
12	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	1
13	<b>BOLT, M12 x 1.25 x 100-8.8 HEX HEAD FULL THREAD ZINC</b>	F81004-41	1
14	<b>WASHER, FLANGED ZINC-PLATED</b>	086769-1	2
15	<b>NUT, M12 X 1.25 8.8 THIN ZINC</b>	F81034-5	4
16	<b>WASHER, Z12.2 SPLIT LOCK ZINC</b>	F81056-2	1
17	<b>WASHER, 13 FLAT ZINC</b>	F81056-1	2
18	<b>BOLT, M12 x 1.25 x 40-8.8 HEX HEAD ZINC</b>	F81004-42	2
19	<b>V-BELT, B72.5</b>	017922-1	1



### 3.3 Blade Tensioner Assembly

SVS

Rev. A4.00+

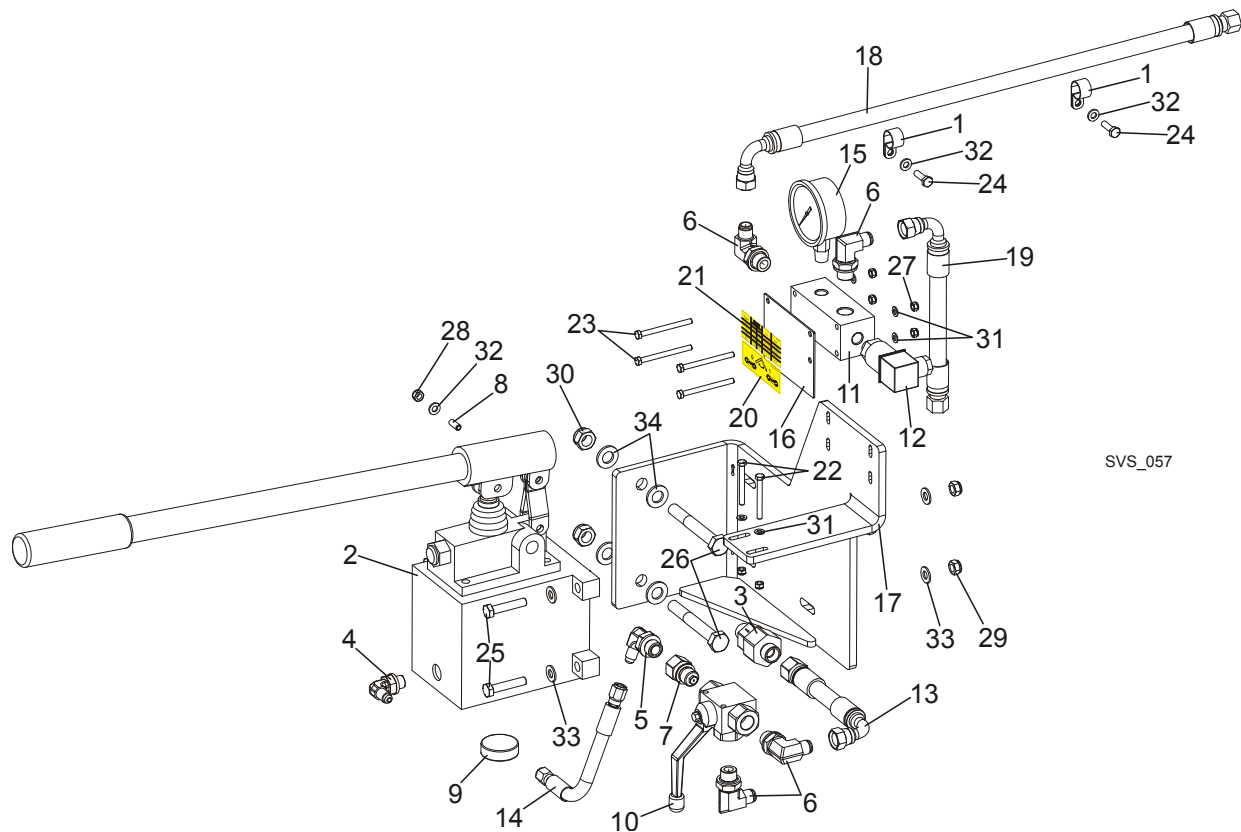


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART#	QTY.
	<b>HYDRAULIC BLADE TENSIONER, RIGHT SIDE</b>	504826	1
1	Hydraulic Cylinder SJ2F-16-50/28/70	504812	1
2	Breather Typ 2901-14-17	090794	1
3	Fitting 3/8" Bsp-9/16" JIC, Elbow	096335	1
4	Mounting Bracker, Hydraulic Cylinder Lower	504822-1	1
5	Washer, M12 Flat Zinc	F81056-1	1
6	Nut, M12-8, Hex Nylon Lock	F81034-2	1
7	Pin, 8x26 FE/ZN5, Roll	F81046-4	1
8	Pin, Zink Plated	504824-1	4
9	Mounting Bracker, Hydraulic Cylinder, Upper	504819-1	2
10	Pin S-ZN 6.3x45 Cotter	F81045-2	4
11	Arm Weldment, Tvs Idle Right Side Blade Wheel	504817-1	1
12	Bolt M8x70 8.8 FE/ZN5	F81002-71	8
13	Nut, M8-8-B Hex Nylon Lock Zinc	F81032-2	8
14	Washer, 8.4 Flat Zinc	F81054-1	16

### 3.4 Hydraulic Blade Tensioner Supply

SVS

Rev. A4.00+



SVS\_057

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART#	QTY.
	<b>SUPPLY ASSEMBLY, SVS HYDRAULIC BLADE TENSIONER</b>	505306	1
1	Clamp, 5/8 Emt Coated	010748	2
2	Pump, PMS12/TNK1 Manual W/tank 1l	092789	1
3	Valve, RHV12LREDA3C Check	094559	1
4	Fitting, Ca-204410-3 Elbow	094562	1
5	Fitting, Ca-204411-3 Elbow	094563	1
6	Fitting, 3/8" BSP-9/16" Jic Elbow	096335	4
7	Fitting, G 3/8 Special	096849	1
8	Stud, GN615.3-M6-K Ball	096874	1
9	Magnet, Mw.38x12/n38 Neodymium	500022	1
10	Valve, RSAP3 VOL2L G3/8" Release	504803	1
11	Block, Mount Zinc	504829-1	1
12	Switch, F4-T-I-M3-16 Bar Pressure	504830	1

13	Hose, 3/8" 9/16 M18x1,5 Hydraulic	504831	1	
14	Hose, 1/4" (0.19m) Hydraulic	505174	1	
15	Gauge, 3000PSI Hydraulic	505176	1	
16	Plate, Zinc	505310-1	1	
17	Plate, Mount	505337-1	1	
18	Hose, 3/8" (0.80 M) Hydraulic	505338	1	
19	Hose, 3/8" DKJ 9/16 Hydraulic	505344	1	
20	Decal, SVS Hydraulic Release Valve Position	505347	1	
21	Decal, Pressure Adjustment Table	505348	1	
22	Bolt, M5x45 Din933 A2-70 Stainless Steel	F81000-22	2	
23	Bolt, M5x60 Din933 A2-70 Stainless Steel	F81000-36	4	
24	Bolt, M6x20mm, Hh, Full Thread, Zinc	F81001-2	2	
25	Bolt, 8mm X 1.25 X 40mm HH Zinc	F81002-15	4	
26	Bolt, M12x90-8.8 Hex Head Zinc	F81004-2	2	
27	Nut, M5-8-FE/ZN5 Din985	F81030-2	6	
28	Nut, M6-8-b Hex Nylon Zinc Lock	F81031-2	1	
29	Nut, M8-8-b Hex Nylon Zinc Lock	F81032-2	4	
30	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	2	
31	Washer, 5.3 Flat Zinc	F81052-1	6	
32	Washer, 6.4 Flat Zinc	F81053-1	3	
33	Washer, 8.4 Flat Zinc	F81054-1	8	
34	Washer, 13 Flat Zinc	F81056-1	4	

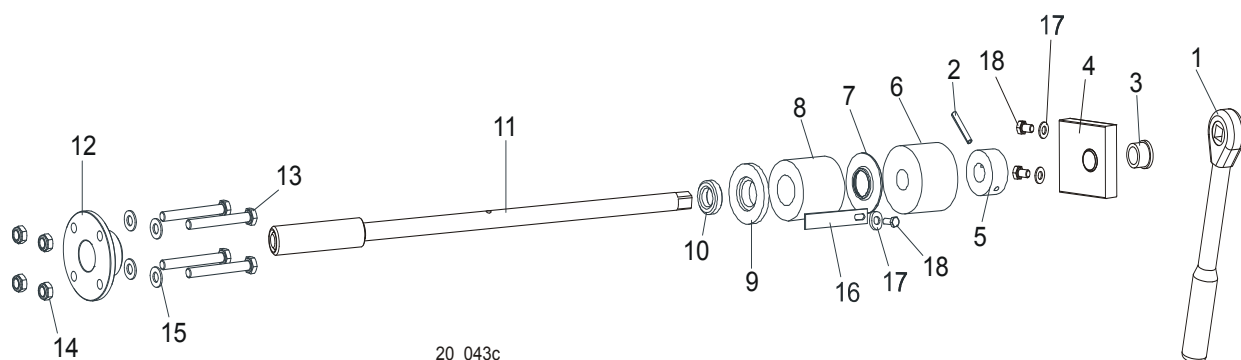
# 3 Blade Wheels & Tensioner

## Blade Tensioner Assembly

### 3.5 Blade Tensioner Assembly

SVS

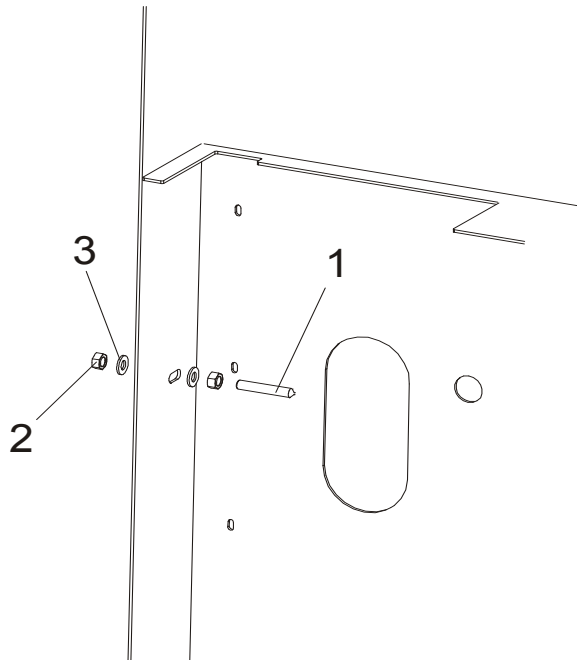
Rev. A1.00 - A3.01



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	WRENCH, BLADE TENSION	091620	1
	<b>BLADE TENSIONER - COMPLETE</b>	090587	1
2	Pin, 5x30 Roll Zinc	F81044-21	1
	Bracket, Blade Tensioner Shaft	096729	1
3	Bushing, GFM-1618-17	089589	1
4	Block, Tensioner Shaft Bracket	096730	1
5	Collar, Retaining Zinc-plated	086712-1	1
6	Bushing, 11/16x2 1/8x1 3/4 Rubber	P12165	1
7	Guide, Tension Handle	014925	1
8	Spring, Blade Tensioner	014828	1
9	Washer, Rubber Spring Front Ptd	086674-1	1
10	Bearing, 51103 FLT Thrust Ball	086675	1
11	Shaft Weldment, Blade Tensioner	101338-1	1
12	Nut, Blade Tensioner Ptd	086672-1	1
13	Bolt, M8x70 8.8 Hex Head Zinc	F81002-71	4
14	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	4
15	Washer, 8.4 Flat Zinc	F81054-1	8
16	Indicator, Blade Tension Zinc-plated	086783-1	1
17	Washer, 6.4 Flat Zinc	F81053-1	1
18	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	1

## SECTION 4 SAW HEAD

### 4.1 Middle Throat Screw

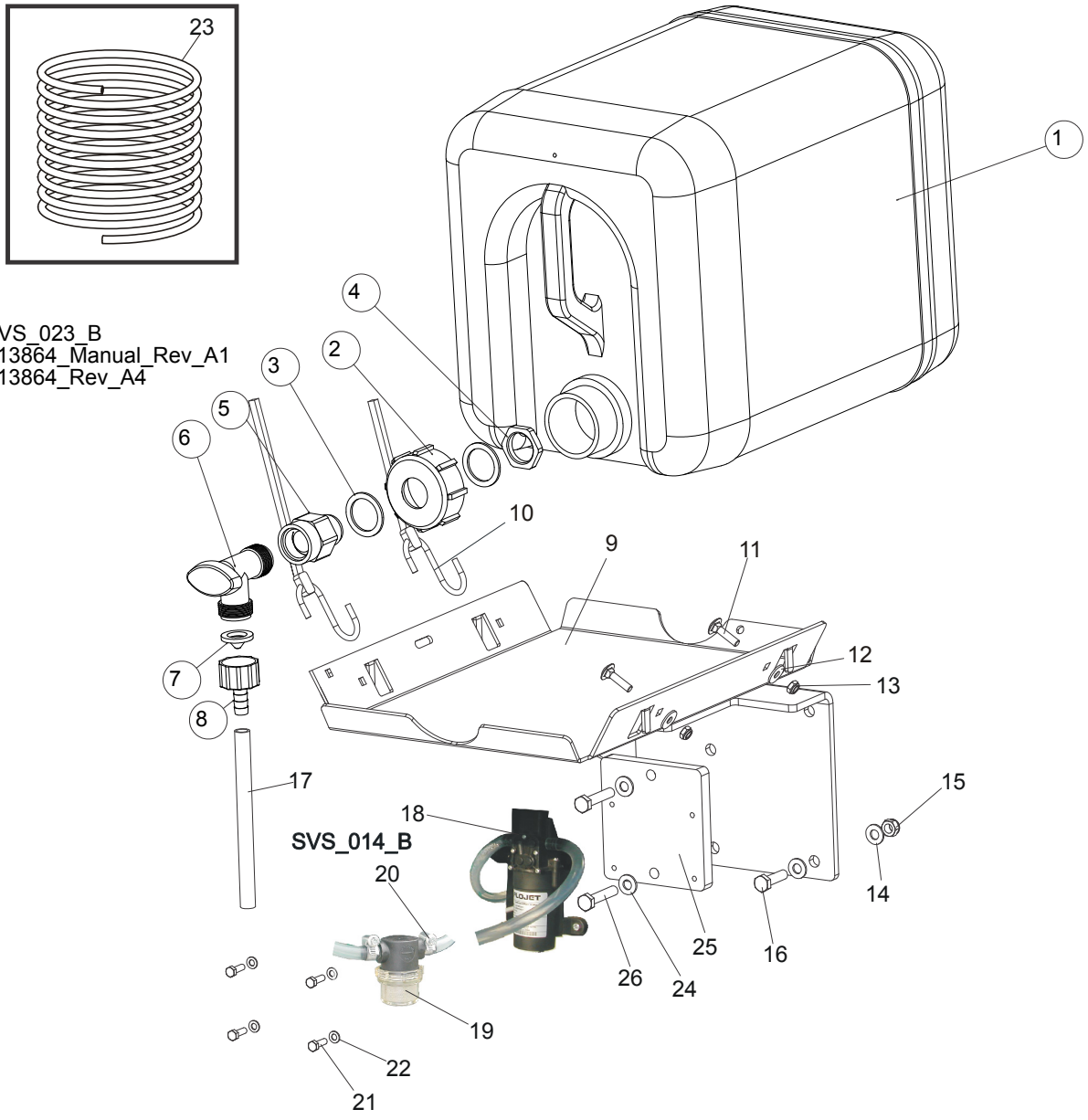


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	SCREW, M10X60-45H HEX SOCKET SET CONE POINT ZINC	F81003-87	1	
2	NUT, M10-8-B HEX ZINC	F81033-3	2	
3	WASHER, 10.5 FLAT ZINC	F81055-1	2	

# 4 Saw Head

## Water Bottle Assembly (LMS)

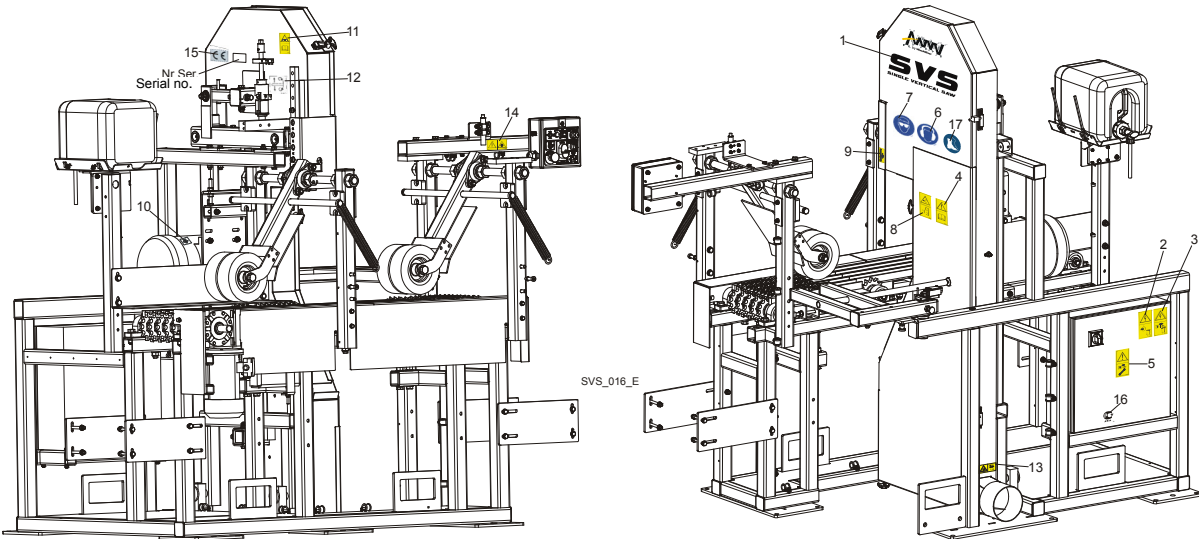
### 4.2 Water Bottle Assembly (LMS)



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>WATER LUBE BOTTLE ASSEMBLY</b>	091036	1
	Bottle, Water, Complete	513864	1
	Bottle, Water, With Nut	513865	1
1	Bottle, Water	513866	1
2	Nut, Bottle, Water	513867	1
3	Seal, Rubber, 35x26x2.	513869	2

4	Nut, Packing, 3/4 Npt.	513868	1	
5	Fitting, 3/4FPT X 3/4MPT	014636	1	
6	Valve, 3/4 NPT Elbow 3/4 Male Outlet Pcv	014100	1	
7	Valve, 3/4 Npt Elbow 3/4 Male Outlet Pvc	016086	1	
8	Reducer, 5/8 NPT / 3/8 Barb Water Lube	014113	1	
9	Tray Weldment, Water Bottle Ptd	091033-1	1	
10	Strap, 20" Rubber W/hook	P11668	2	
11	Bolt, M6x25-8.8 Carriage Head Zinc	F81001-20	2	
12	Washer, 6.5 Special Flat Zinc	F81053-11	2	
13	Nut, M6-8-b Hex Nylon Zinc Lock	F81031-2	2	
14	Washer, 8.4 Flat Zinc	F81054-1	8	
15	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	4	
16	Bolt, M8x20-8.8-B Hex Head Full Thread Zinc	F81002-4	4	
17	Tubing, Water Lube	R01885	2.1 m	
18	<b>PUMP ASSEMBLY, 12VDC PRESSURE LUBE</b>	512766	1	
19	<b>FILTER, 3/8 BARB LUBE</b>	033447	1	
	Kit, 80 Mesh Filter Screen	033441	1	
20	<b>CLAMP, 8-12 MM DIA. HOSE</b>	F81080-1	2	
21	<b>BOLT, M5x16-5.8 HEX HEAD FULL THREAD ZINC</b>	F81000-51	4	
22	<b>WASHER, 5.3 FLAT ZINC</b>	F81052-1	4	
23	<b>HOSE, 1/4 OD 102.0 LG</b>	033456	1	
24	<b>WASHER, 8.4 FLAT ZINC</b>	F81054-1	2	
25	<b>BRACKET, LMS PUMP MOUNT ZINC-PLATED</b>	098762-1	1	
26	<b>BOLT, M8X40-8.8 HEX HEAD FULL THREAD ZINC</b>	F81002-15	2	

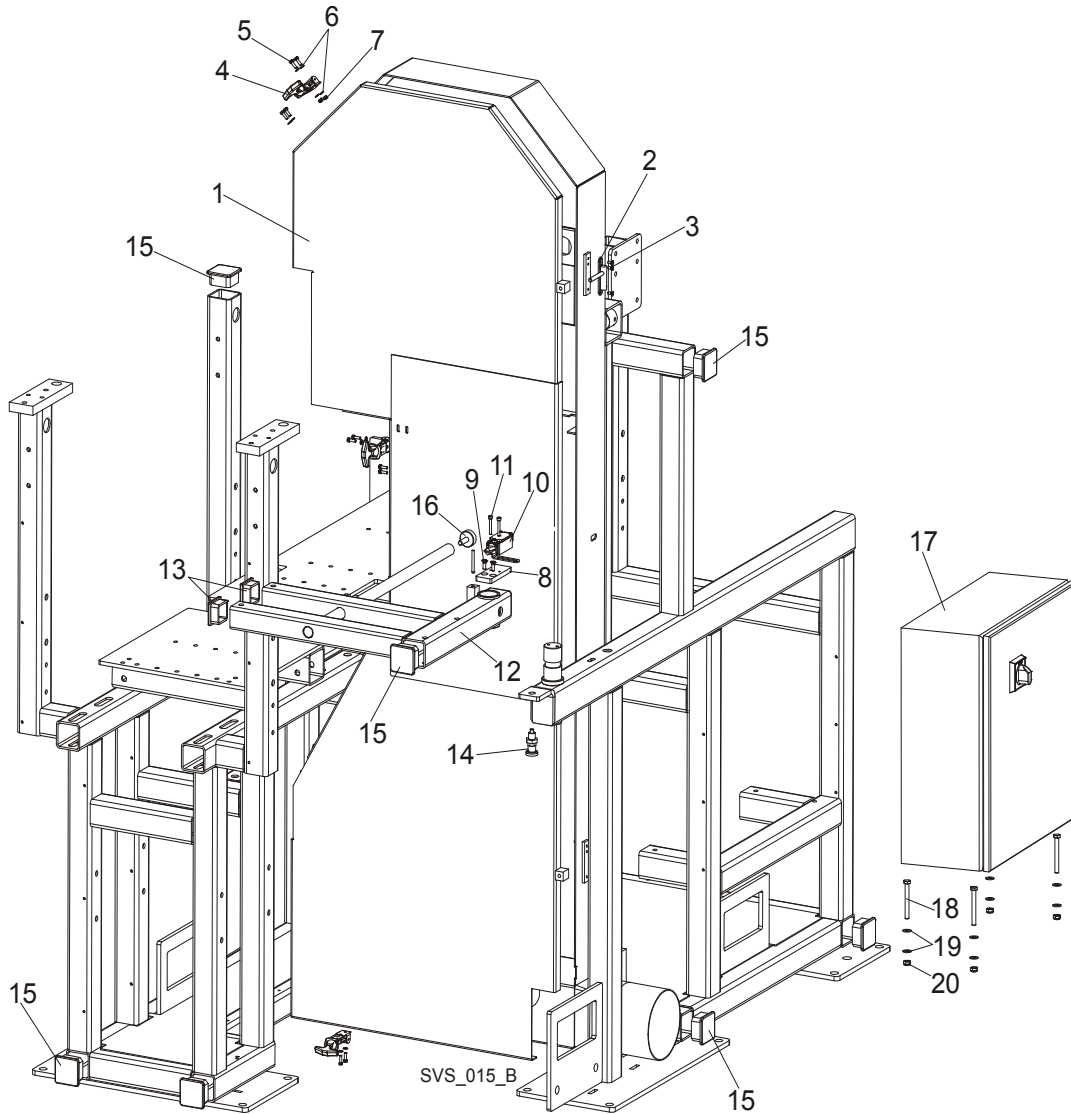
### 4.3 Saw Head Decals



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>SVS PICTOGRAPHIC DECAL KIT</b>	100123	1
1	Decal Kit, SVS Machine Name	099584	1
2	Decal, High Voltage Inside The Electric Box (Europe Only)	096316	1
3	Decal, Remove The Plug Before Opening The Box (Europe Only)	096319	1
4	Decal, Read The Operator's Manual	096317	1
5	Decal, Electrical Hazard Danger (U.S. Only)	S20061	1
	Decal, Disconnect Power Supply Before Servicing (Europe Only)	098177	1
6	Decal, Ear Warning	S12005G	1
7	Decal, Eye Warning	S12004G	1
8	Decal, Sawmill Covers Caution	099220	1
9	Decal, Blade Movement Direction	096321	1
10	Decal, Motor Rotation Direction	S20097	1
11	Decal, Blade Tension - Instructions	099223	1
12	Decal, Blade Alignment	P11789	1
13	Decal, Sawdust Chute Warning	099222	1
14	Decal, Caution - Laser Beam	099504	1
	Plate, Multihead Name (Located on Side of Control Box)	S20038	1
	Decals For Tables (See Side Table)		
15	<b>DECAL, CE CERTIFIED SAWMILL (SMALL)</b>	P85070	1
16	<b>DECAL, RUSSIAN SAFETY CERTIFICATION (EUROPE ONLY)</b>	099401	1
17	<b>DECAL, USE SAFETY BOOTS (PICTOGRAM)</b>	501465	1



### 4.4 Blade Housing Cover & Electric Box



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	COVER WELDMENT, BLADE HOUSING PTD (RIGHT)	096117-1	1	
2	HINGE, COVER	096146	2	
3	SCREW, M5x12- 5.8-B SLOTTED COUNTERSUNK ZINC	F81000-15	4	
4	LATCH, FLEXIBLE DRAW	014829	3	
5	BOLT, M5x16-5.8 HEX HEAD FULL THREAD ZINC	F81000-51	6	
6	WASHER, 5.3 FLAT ZINC	F81052-1	12	
7	NUT, M5-8 DIN 985 ZINC-PLATED	F81030-2	6	
8	BAR, SAFETY SWITCH ZINC-PLATED MOUNTING	098760-1	1	

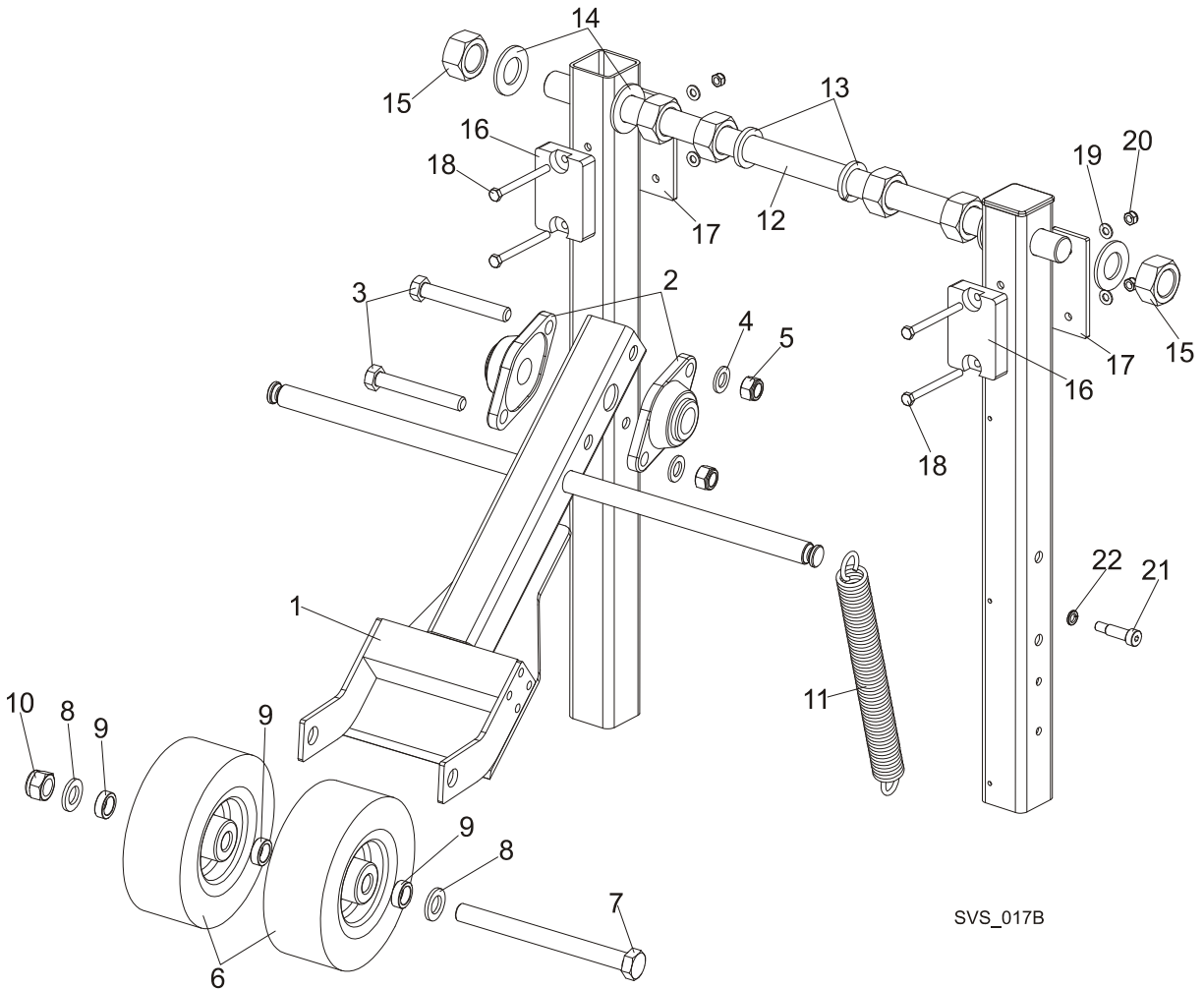
## 4

**Saw Head***Blade Housing Cover & Electric Box*

9	SCREW, M6x20-4.8-B SLOTTED COUNTERSUNK ZINC	F81001-31	2	
10	SWITCH, GSCA 01S1 SAFETY	088407	1	
11	SCREW, M5X35 8.8 HEX SOCKET HEAD CAP ZINC	F81000-73	2	
12	ARM WELDMENT, CONTROL BOX PTD MOUNTING (RIGHT)	096370-1	1	
13	CAP, 50x50 (3-5 MM THICK) SHR TUBE END	095371	2	
14	PIN, DETENT	090197	1	
15	CAP, X MOSS -199211 SQUARE TUBE END	098757	8	
16	FOOT, M10 BASE ADJUST	092839	1	
	CONTROL ASSEMBLY, SVS MAIN 460V 3PH	053758	1	
17	Enclosure, SVS w/Panel	053750	1	
	Harness Assembly, SVS Blade Motor	053763	1	
	Cable Assembly, SVS Lube	053761	1	
	Cable Assembly, SVS Feed Motor	053759-1 <sup>1</sup>	1	
	<i>See SVS Operator's Manual for electrical component list &amp; layout diagrams</i>			
18	BOLT, M8X75 8.8 HEX HEAD ZINC	F81002-91	4	
19	WASHER, 8.4 FLAT ZINC	F81054-1	8	
20	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	4	
	SWITCH, SAFETY INTERLOCK ROTARY 90 2NC (U.S. ONLY)	069764	1	

<sup>1</sup> Replaces 053759 used with 053755 Drive Assembly including Altivar 312 series (Rev. A5.00; 5/17).

### 4.5 Hold-Down Roller



REF	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY.
	<b>HOLD-DOWN ROLLER, COMPLETE</b>	101454	2
1	Arm, Hold-down Roller	101453-1	1
2	Bearing, Ucf1 206 Cx Ball	090851	2
3	Bolt, M16x110-8.8 Hex Head Zinc	F81006-24	2
4	Washer, 17 Flat Zinc	F81058-1	2
5	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	2
6	Wheel, 200mm Dia. 60nn (Svs)	099160	2
7	Bolt, M20x220-8.8 Hex Head Zinc	F81007-4	1
8	Washer, 21 Flat Zinc	F81059-2	2
9	Bushing, 21x30x10 Zinc-plated Spacer	099351-1	3
10	Nut, M20-8-a Hex Nylon Zinc Lock	F81037-2	1

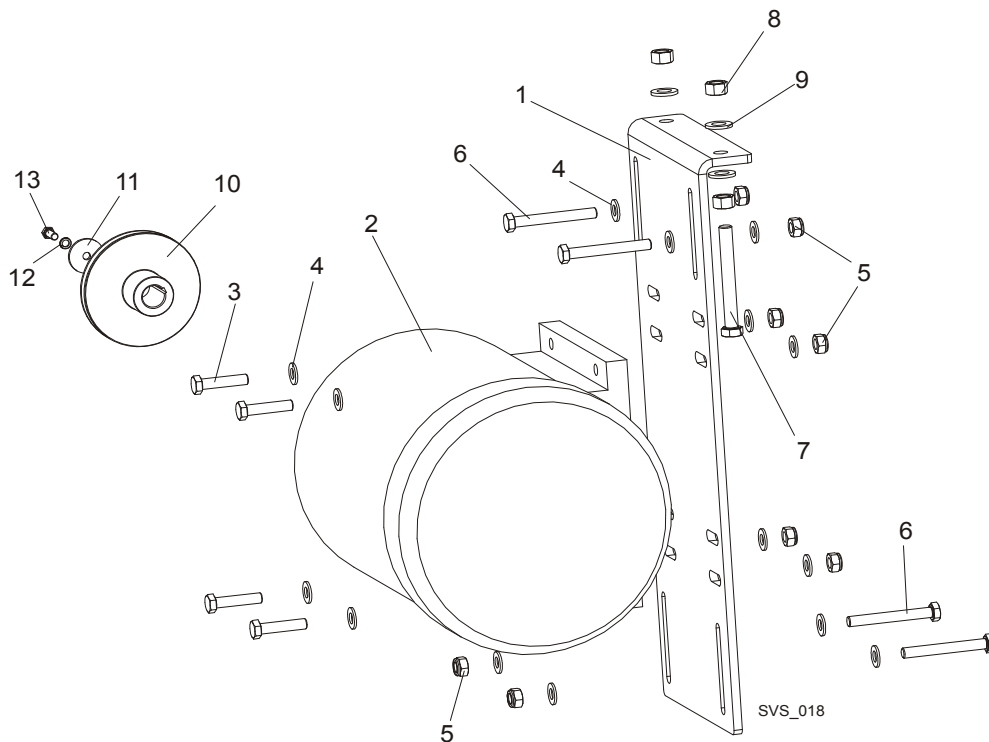
## 4

**Saw Head***Hold-Down Roller*

---

11	Spring, Fi 4.5x Fi 35x303	091863	1	
12	<b>ROD, HOLD-DOWN ARM THREADED</b>	098145-1	2	
13	<b>WASHER, 30.5 SPLIT LOCK ZINC</b>	F81061-8	4	
14	<b>WASHER, 31 FLAT ZINC</b>	F81061-9	8	
15	<b>NUT, M30 HEX ZINC</b>	F81038-3	12	
16	<b>BUMPER, GRENE 70 3201 0010. SHR RUBBER</b>	094969	4	
17	<b>PLATE, BUMPER SPACER</b>	099583-1	4	
18	<b>BOLT, M8X90-8.8 HEX HEAD FULL THREAD ZINC</b>	F81002-16	8	
19	<b>WASHER, 8.4 FLAT ZINC</b>	F81054-1	8	
20	<b>NUT, M8-8-B HEX NYLON ZINC LOCK</b>	F81032-2	8	
21	<b>BOLT, 12/M10X30 12.9 ISO 7379 SHOULDER</b>	F81003-70	2	
22	<b>WASHER, 10.2 SPLIT LOCK ZINC</b>	F81055-2	2	

## 4.6 Blade Drive Motor



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	PLATE, MOTOR MOUNTING (RIGHT)	096123-1	1	
2	MOTOR, 11kW PSSG-132 S2 - HM+132	089049	1	
	MOTOR, 12kW 1LA91312LA60 (USA)	P85186	1	
	MOTOR ELECTRIC, 11KW(15KM) 230V NORWAY	085186-2	1	
3	BOLT, M10X45-8.8 HEX HEAD FULL THREAD ZINC	F81003-3	4	
4	WASHER, 10.5 FLAT ZINC	F81055-1	8	
5	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4	
6	BOLT, M10X80-8.8 HEX HEAD ZINC	F81003-50	2	
7	BOLT, M12X100 8.8 HEX HEAD FULL THREAD ZINC	F81004-45	2	
8	NUT, M12-8-B HEX ZINC	F81034-1	2	
9	WASHER, 13 FLAT ZINC	F81056-1	4	
10	PULLEY, SPB $\Phi$ 140X1/ $\Phi$ 38 (F02325+T31079)	500571 <sup>1</sup>	1	
	PULLEY, SPB $\Phi$ 170X1/ $\Phi$ 38 (F01794+T31079)	500575 <sup>2</sup>	1	
	PULLEY, SPB190/1 W/2012/38 TAPER SPLIT BUSHING	099601 <sup>3</sup>	1	
	PULLEY, SPB125X1/FI38 F02319+T31079 TAPER SPLIT BUSHING	501556 <sup>4</sup>	2	
11	WASHER, FI 60 X 13 X 5 ZINC-PLATED SPECIAL	098613-1	1	
12	WASHER, Z12.2 SPLIT LOCK ZINC	F81056-2	1	
13	BOLT, M12x30-8.8 HEX HEAD FULL THREAD ZINC	F81004-22	1	

# 4 Saw Head Control Box

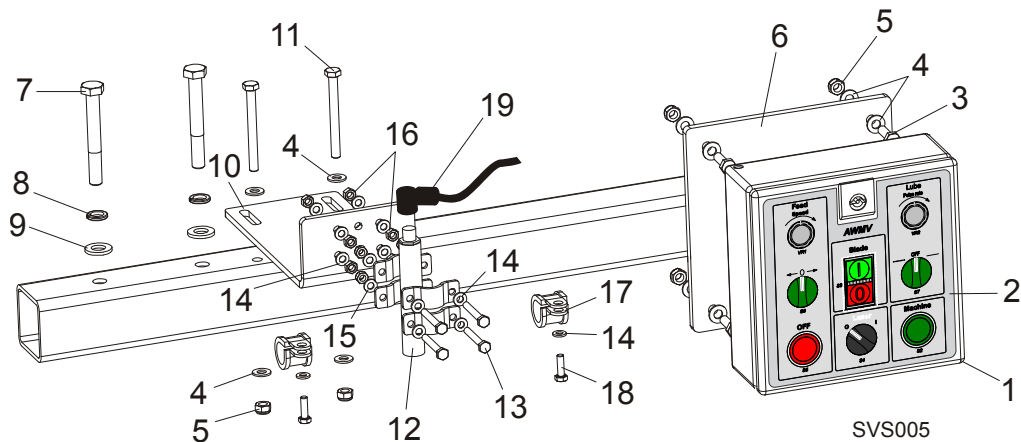
<sup>1</sup> Standard Equipment. Blade Linear Velocity v=20.5 m/s.

<sup>2</sup> Blade Linear Velocity v=25 m/s.

<sup>3</sup> Blade Linear Velocity v=28 m/s.

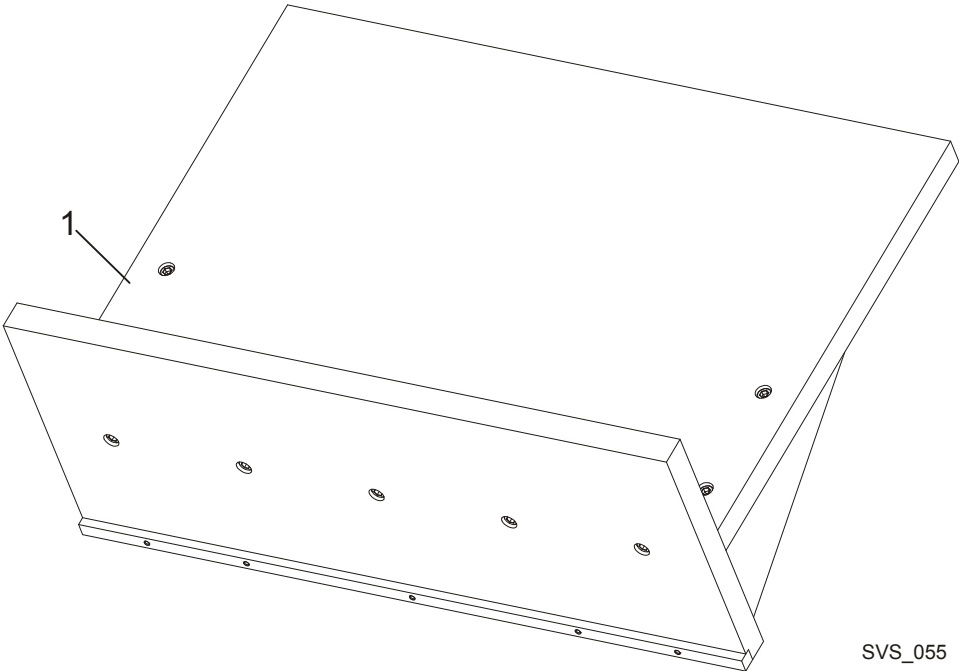
<sup>4</sup> Blade Linear Velocity v=23 m/s.

## 4.7 Control Box



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>CONTROL ASSEMBLY, SVS OPERATOR</b>	053764	1
1	Enclosure, SVS Operator	053747	1
2	Decal, SVS Operator	053756	1
	<i>See SVS Operator's Manual for electrical component list &amp; layout diagrams</i>		
3	<b>BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC</b>	F81002-5	4
4	<b>WASHER, 8.4 FLAT ZINC</b>	F81054-1	12
5	<b>NUT, M8-8-B HEX NYLON ZINC LOCK</b>	F81032-2	6
6	<b>TUBE WELDMENT, CONTROL BOX MOUNTING</b>	099838-1	1
7	<b>BOLT, M12X90-8.8 HEX HEAD ZINC</b>	F81004-2	2
8	<b>WASHER, Z12.2 SPLIT LOCK ZINC</b>	F81056-2	2
9	<b>WASHER, 13 FLAT ZINC</b>	F81056-1	2
10	<b>BRACKET, SVS LASER MOUNTING</b>	099842-1	1
11	<b>BOLT, M8X80-8.8 HEX HEAD ZINC</b>	F81002-18	2
12	<b>LASER, Z5M18B-F-532-IG90 GREEN - LINEAR</b>	501025	1
13	<b>BOLT, M6X45-8.8 HEX HEAD FULL THREAD ZINC</b>	F81001-45	4
14	<b>WASHER, 6.4 FLAT ZINC</b>	F81053-1	18
15	<b>NUT, M6-8-B HEX NYLON ZINC LOCK</b>	F81031-2	4
16	<b>NUT, M6-8 HEX ZINC</b>	F81031-1	2
17	<b>CLAMP, RSGU 1.20/20 W1 CABLE</b>	F81087-2	2
18	<b>BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC</b>	F81001-2	2
19	<b>CABLE ASSEMBLY, SVS-U LASER (U.S. ONLY)</b>	069552	1
	<b>CABLE, 5M SAFETY SWITCH (EUROPE ONLY)</b>	087652	1

**4.8 Blade Alignment Tool**

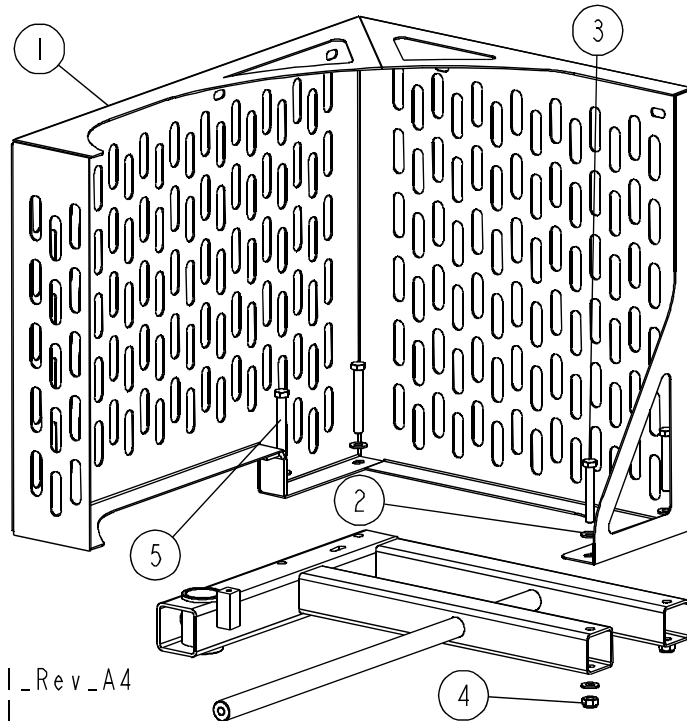


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	TOOL, SVS BLADE ALIGNMENT	100155	1	

# 4 Saw Head

## Front Cover

### 4.9 Front Cover

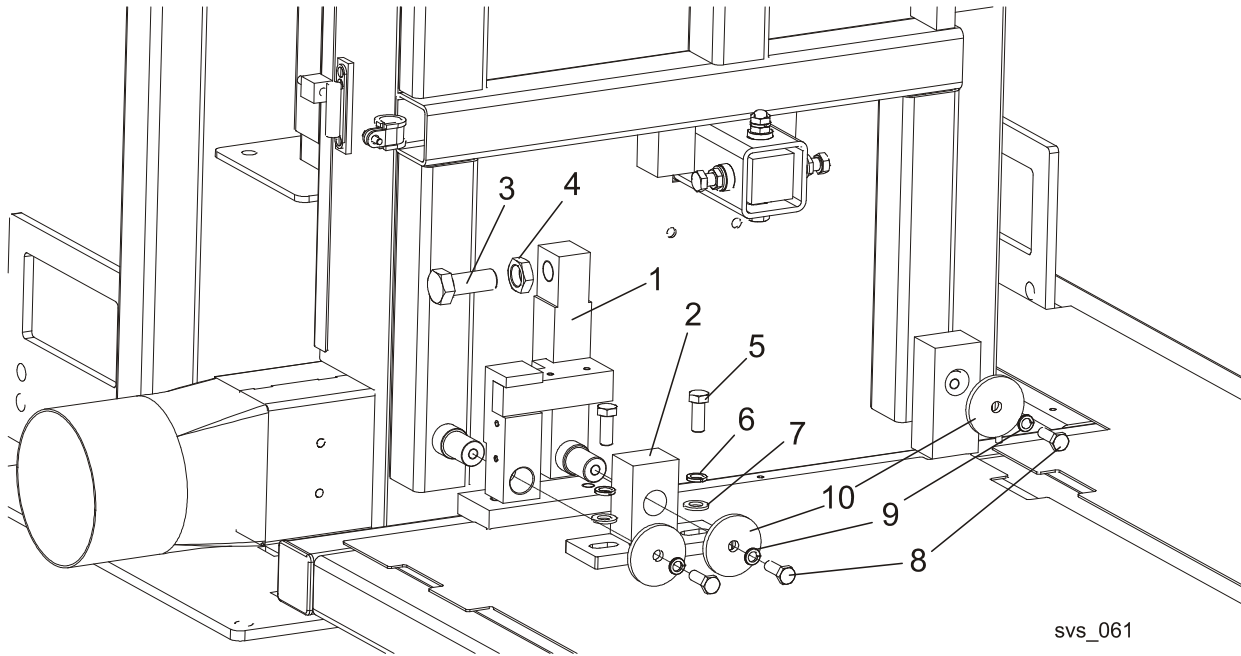


SVS\_063  
 099855\_Manual\_Rev\_A4  
 099855\_Rev\_EI  
 098840\_Rev\_HI

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	COVER, FRONT, SVS WELDMENT	515723-1	1
2	WASHER, 10.5 FLAT ZINC	F81055-1	8
3	BOLT, M10 X 70-8.8 FE/ZN5, PN-M/82105	F81003-20	2
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10 X 80 -8.8- FE/ZN5 HEX HEAD	F81003-50	2



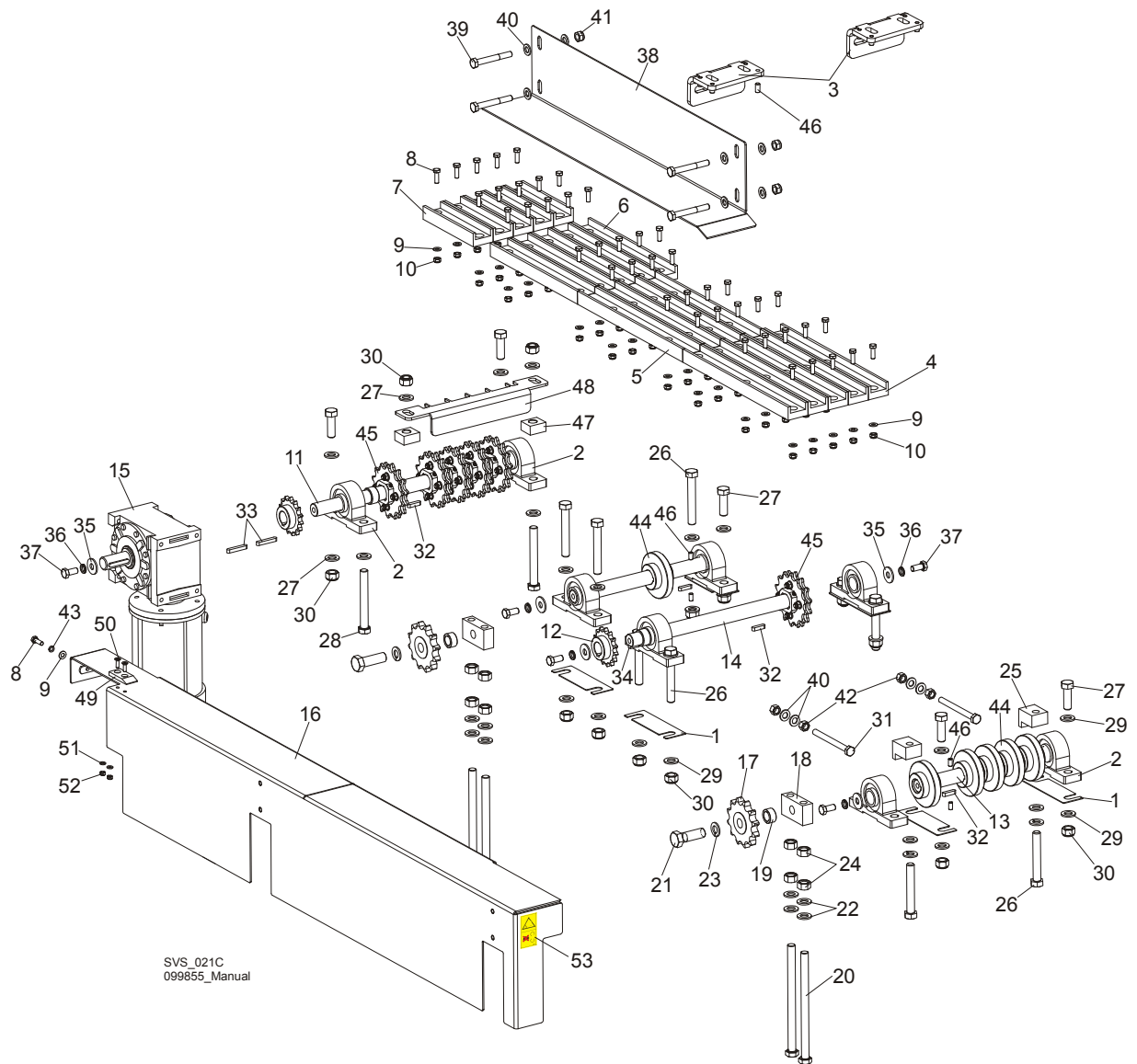
### 4.10 Saw Head Tilt Adjustment Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	BRACKET ROLLER ADJUSTMENT PAINTED	100177-1	1
2	BRACKET SAW HEAD	509893-1	1
3	BOLT M20X1,5X50-8.8-B-FE/ZN5 PN/M-82105	F81007-2	1
4	NUT LOW M20X1,5 FE/ZN5 PN-M/82153	F81037-7	1
5	BOLT M12X30-8.8	F81004-22	2
6	WASHER, M12 SPLIT LOCK ZINC	F81056-2	2
7	WASHER, M12 , FLAT, ZINC	F81056-1	2
8	BOLT,M10X30-5.8 HEX HEAD FULL THREA	F81003-2	3
9	WASHER,10.2 SPLIT LOCK ZINC	F81055-2	3
10	WASHER, IDLE BLADE WHEEL RETAINING	088957-1	3

## SECTION 5 SVS TABLES

### 5.1 Feed Track Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	PLATE, UCP206 BEARING HOUSING SPACER	099846-1	6
2	BEARING, UCP 206 CX W/HOUSING	099254	8
3	PLATE, SVS SAW HEAD REGULATION	512667-1	2
4	BAR, CHAIN GUIDE (INFEEED SIDE)	099385	5
5	BAR, CHAIN GUIDE (MIDDLE)	099387	4

6	<b>BAR, CHAIN GUIDE - MIDDLE</b>	101343	5	
7	<b>BAR, CHAIN GUIDE - SHORT</b>	101342	5	
8	<b>BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC</b>	F81002-5	39	
9	<b>WASHER, 8.4 FLAT ZINC</b>	F81054-1	39	
10	<b>NUT, M8-8-B HEX NYLON ZINC LOCK</b>	F81032-2	39	
11	<b>SHAFT, SVS DRIVE</b>	099388	1	
12	<b>SPROCKET, 10B Z15 FI28</b>	097947	2	
13	<b>SHAFT, SVS DRIVEN</b>	099389	1	
14	<b>SHAFT, SVS IDLE SIDE</b>	099390	2	
15	<b>MOTOREDUCER, RA-06/39/D4/SN/V6 RESAW</b>	092075	1	
	Motor Ind. Skh80x-4c1 lmb14/1-162	090104	1	
	Gear Box, Worm Mr-63/39 F3/v6	094833	1	
16	<b>GUARD, SVS DRIVE</b>	098321-1	1	
	<b>COMPLETE SHORT CHAIN TENSIONER</b>	099832	2	
17	Sprocket, KSR20-LO-16-10-12-15	099746	1	
18	Block, Short Chain Tensioner	099830-1	1	
19	Bushing, $\Phi 20.5 \times \phi 30 \times 15$ Spacer	100105-1	2	
20	Bolt, M16x240-8.8-a2 Full Thread	F81006-29	2	
21	Bolt, M20x60 8.8 Hex Head Zinc	F81007-7	1	
22	Washer, 17 Flat Zinc	F81058-1	6	
23	Washer, 16.3 Split Lock Zinc	F81058-2	1	
24	Nut, M16-5.8 Hex Zinc	F81036-1	4	
25	<b>BLOCK, LONG CHAIN TENSIONER</b>	099829-1	2	
26	<b>BOLT, M16X110-8.8 HEX HEAD ZINC</b>	F81006-24	6	
27	<b>BOLT, M16X50-8.8 HEX HEAD FULL THREAD ZINC</b>	F81006-7	6	
28	<b>BOLT, M16X130-8.8 HEX HEAD ZINC</b>	F81006-35	2	
29	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	32	
30	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	16	
31	<b>BOLT, M12X130-8.8 HEX HEAD FULL THREAD ZINC</b>	F81004-55	2	
32	<b>KEY, A8X7X32 PARALLEL</b>	088564	7	
33	<b>KEY, A8X7X50 PARALLEL</b>	088563	2	
34	<b>KEY, AB 8X7X25 PARALLEL</b>	099848	1	
35	<b>WASHER, 13 SPECIAL FLAT ZINC</b>	F81056-14	8	
36	<b>WASHER, Z12.2 SPLIT LOCK ZINC</b>	F81056-2	10	
37	<b>BOLT, M12X25-8.8 HEX HEAD FULL THREAD ZINC</b>	F81004-31	8	
38	<b>FENCE, FEED TRACK SIDE</b>	099849-1	1	
39	<b>BOLT, M12X90-8.8 HEX HEAD ZINC</b>	F81004-2	4	
40	<b>WASHER, 13 FLAT ZINC</b>	F81056-1	12	
41	<b>NUT, M12-8 HEX NYLON ZINC LOCK</b>	F81034-2	4	
42	<b>NUT, M12-8-B HEX ZINC</b>	F81034-1	4	
43	<b>WASHER, 8.2 SPLIT LOCK ZINC</b>	F81054-4	1	
44	<b>WHEEL, 16B CHAIN TENSION</b>	101088-1	6	
45	<b>SPROCKET, 14Z D30 COMPLETE</b>	101446	6	

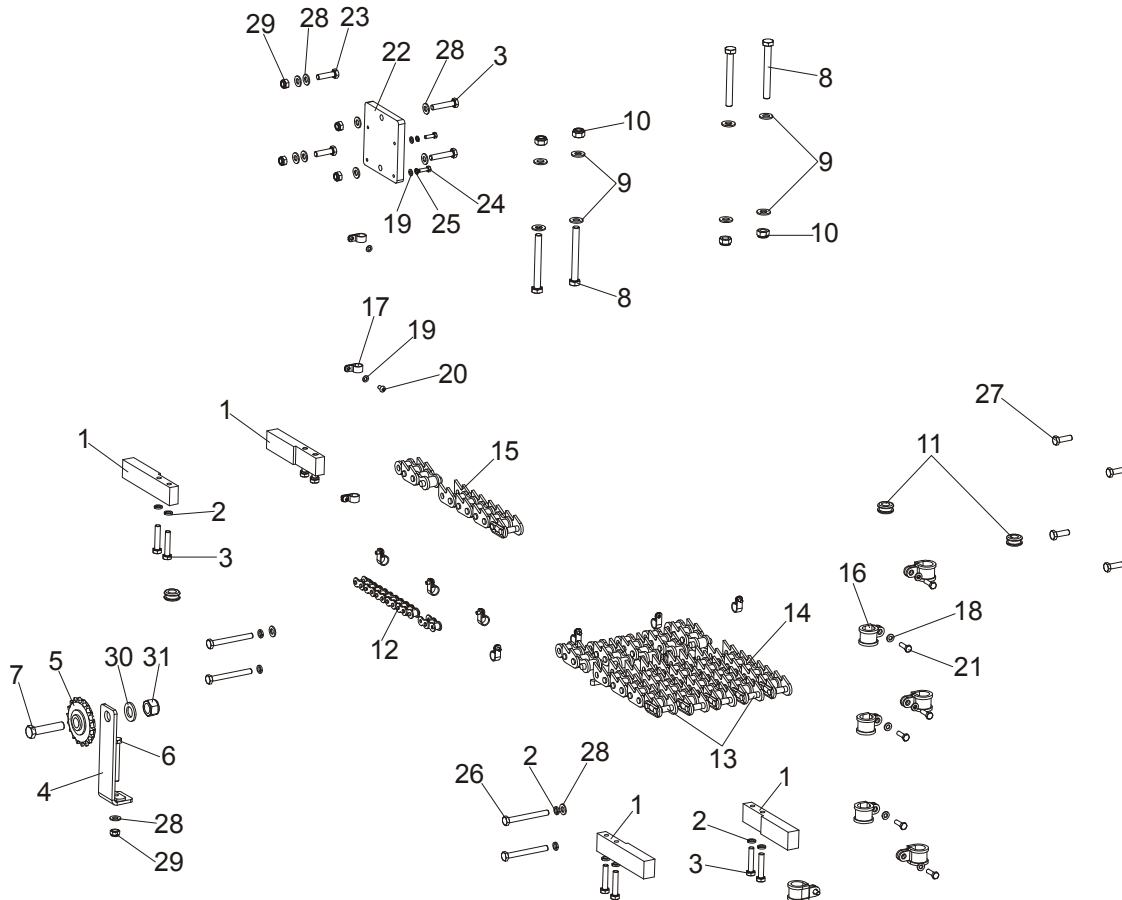
## **5** SVS Tables

*Feed Track Assembly*

---

46	SCREW, M8X16-33H HEX SOCK. FLAT POINT SET	F81014-2	12	
47	DISTANCE BLOCK, SAWDUST WIPER	101449-1	2	
48	WIPER, SVS SPROCKET ZINC	101396-1	1	
49	PLATE, SLIDE ZINC	504477-1	1	
50	SCREW, M6X20-10.9 FE/ZN5 DIN-7991	F81001-17	2	
51	WASHER, M6, FLAT ZINC	F81053-1	2	
52	NUT, M6-8-B HEX,NYLON LOCK ZINC	F81031-2	2	
53	DECAL, GEAR WARNING	099540	1	

## 5.2 Chains



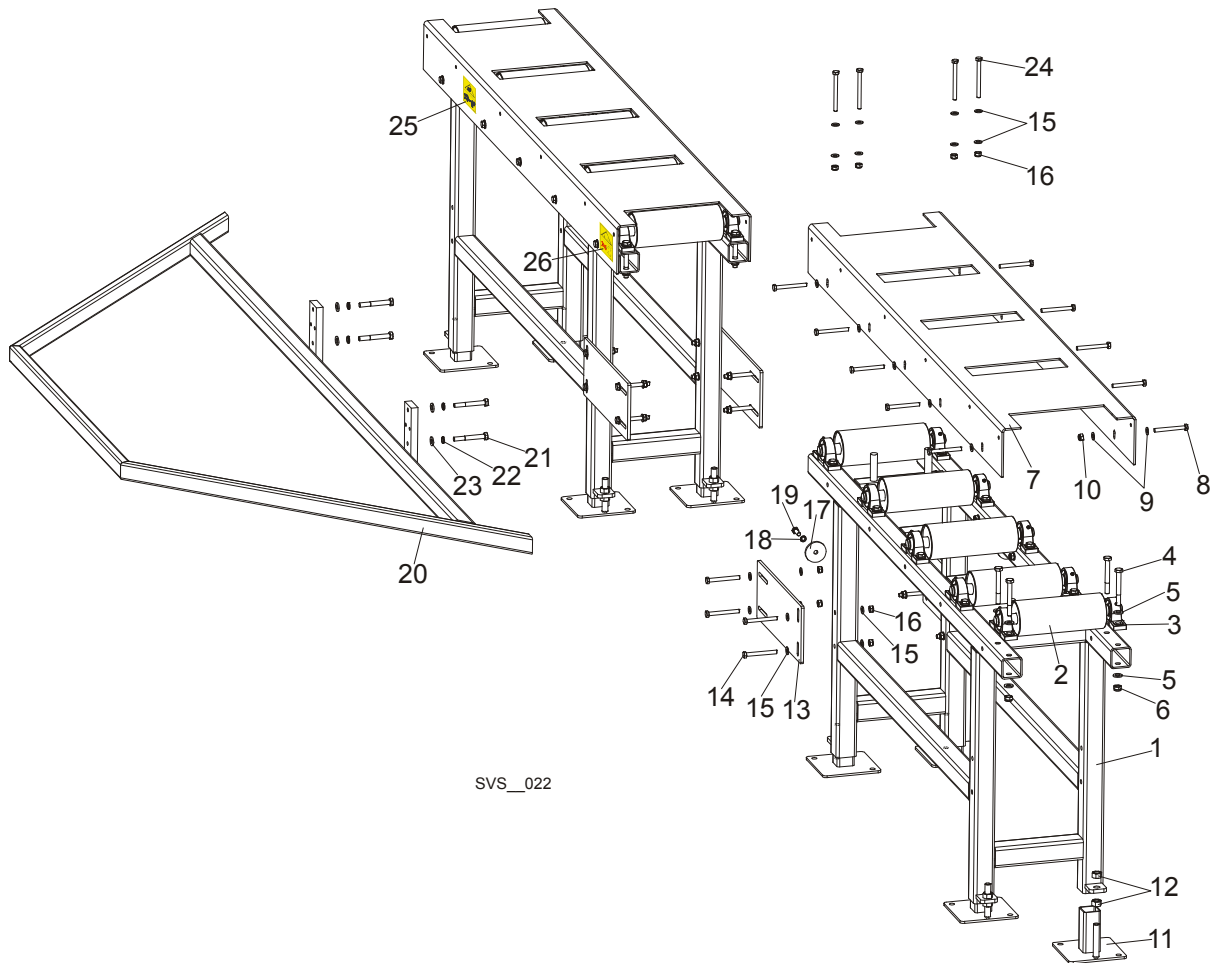
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	<b>BLOCK, SVS CHAIN SPACER</b>	099591-1	4
2	<b>WASHER, 8.2 SPLIT LOCK ZINC</b>	F81054-4	13
3	<b>BOLT, M8X40-8.8 HEX HEAD FULL THREAD ZINC</b>	F81002-15	10
4	<b>BRACKET WELDMENT, POWER FEED CHAIN TENSIONER</b>	092862-1	1
5	<b>SPROCKET, Z=18 KSR16.L0.08.10.18.09</b>	088700	1
6	<b>BOLT, M8X65-5.8 HEX HEAD ZINC</b>	F81002-3	1
7	<b>BOLT, M12X55-8.8 HEX HEAD ZINC</b>	F81004-12	1
8	<b>BOLT, M10X90-8.8-B HEX HEAD ZINC</b>	F81003-66	4
9	<b>WASHER, 10.5 FLAT ZINC</b>	F81055-1	8
10	<b>NUT, M10-8-B HEX NYLON ZINC LOCK</b>	F81033-1	4
11	<b>GROMMET, 20/13 RUBBER</b>	086188	3
12	<b>CHAIN, 10B-1 142 LINKS (2255) - COMPLETE</b>	099870	1
	Chain, 10b-1 143 Links (2270.1)	099871	1
	Link, 10b-1pz Master	088671	1

# 5 SVS Tables

## Chains

<b>13</b>	<b>CHAIN, 1" 135 LINKS (3429) - COMPLETE, SPECIAL</b>	099866	4	
	Chain, 1" 135 Links (3429) Special	099101	4	
	Link, 1" Special Chain Master	099869	4	
<b>14</b>	<b>CHAIN, 1" 61 LINKS (1549.4) - COMPLETE, SPECIAL</b>	099867	1	
	Chain, 1" 61 Links (1549.4) Special	099843	1	
	Link, 1" Special Chain Master	099869	1	
<b>15</b>	<b>CHAIN, 1" 75 LINKS (1905) - COMPLETE, SPECIAL</b>	099868	1	
	Chain, 1" 75 Links (1905) Special	099844	1	
	Link, 1" Special Chain Master	099869	1	
<b>16</b>	<b>CLAMP, RSGU 1.20/20 W1 WIRE</b>	F81087-2	16	
<b>17</b>	<b>CLAMP, 1/2 WIRE PLASTIC</b>	F05114-1	10	
<b>18</b>	<b>WASHER, 6.4 FLAT ZINC</b>	F81053-1	16	
<b>19</b>	<b>WASHER, 5.3 FLAT ZINC</b>	F81052-1	14	
<b>20</b>	<b>SCREW, H M5X10 8.8 CROSS RECESSED PAN HEAD ZINC</b>	F81000-13	10	
<b>21</b>	<b>BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC</b>	F81001-2	16	
<b>22</b>	<b>BRACKET, LMS PUMP ZINC-PLATED</b>	098762-1	1	
<b>23</b>	<b>BOLT, M8X30-8.8-B HEX HEAD FULL THREAD ZINC</b>	F81002-7	2	
<b>24</b>	<b>BOLT, M5X16-5.8 HEX HEAD FULL THREAD ZINC</b>	F81000-51	4	
<b>25</b>	<b>WASHER, 5.1 SPLIT LOCK ZINC</b>	F81052-2	4	
<b>26</b>	<b>BOLT, M8X75 8.8 HEX HEAD ZINC</b>	F81002-91	4	
<b>27</b>	<b>BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC</b>	F81002-5	4	
<b>28</b>	<b>WASHER, 8.4 FLAT ZINC</b>	F81054-1	9	
<b>29</b>	<b>NUT, M8-8-B HEX NYLON ZINC LOCK</b>	F81032-2	2	
<b>30</b>	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	1	
<b>31</b>	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	1	

### 5.3 Infeed & Outfeed Table



SVS\_022

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>SVS INFEED &amp; OUTFEED TABLE</b>	099170	2
1	Frame, Svs Infeed & Outfeed Table	099168-1	1
2	Roller, Svs Feed	098140-1	5
3	Bearing, Ucp 205 Cx W/housing	088468	10
4	Bolt, M12x100-8.8 Hex Head Zinc	F81004-3	20
5	Washer, 13 Flat Zinc	F81056-1	40
6	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	20
7	Plate, Svs Table Top	099167-1	1
8	Bolt, M10x90 -8.8-b Hex Head Zinc	F81003-66	10
9	Washer, 10.5 Flat Zinc	F81055-1	20
10	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	10
11	Foot Assembly, Table Leg	099281-1	4
12	Nut, M16-5.8 Hex Zinc	F81036-1	8

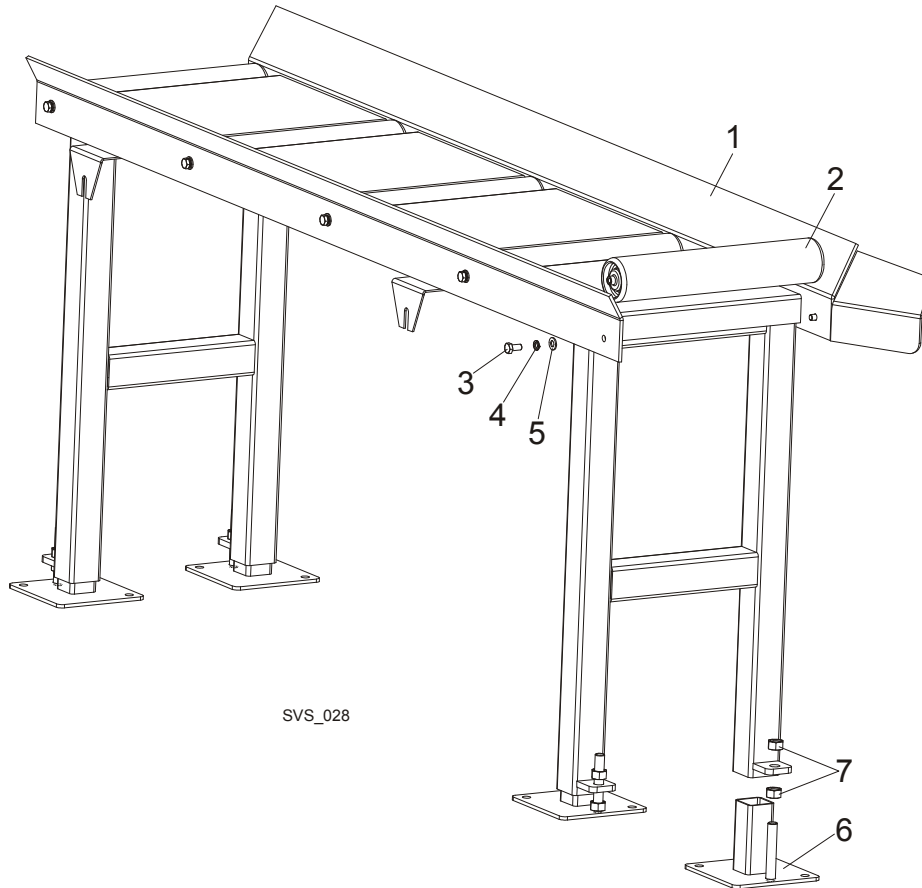
**5****SVS Tables***Infeed & Outfeed Table*

---

13	PLATE, TABLE MOUNTING	099177-1	4	
14	BOLT, M10X90 -8.8-B HEX HEAD ZINC	F81003-66	16	
15	WASHER, 10.5 FLAT ZINC	F81055-1	40	
16	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	16	
17	WASHER, IDLE BLADE WHEEL RETAINING ZINC-PLATED	088957-1	2	
18	WASHER, 10.2 SPLIT LOCK ZINC	F81055-2	2	
19	BOLT, M10X30-5.8 HEX HEAD FULL THREAD ZINC	F81003-2	2	
20	FENCE, SVS	098322-1	1	
21	BOLT, M12X90-8.8 HEX HEAD ZINC	F81004-2	4	
22	WASHER, Z12.2 SPLIT LOCK ZINC	F81056-2	4	
23	WASHER, 13 FLAT ZINC	F81056-1	4	
24	BOLT, M10X110 8.8 HEX HEAD ZINC	F81003-43	4	
25	DECAL, KEEP A SAFE DISTANCE AWAY	099221	1	
26	DECAL, GEAR WARNING	099540	1	



## 5.4 Side Table (Optional)



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	<b>TABLE, SVSST SIDE</b>	098720	1
1	Table, SVSST Side	098730-1	1
2	Roller, 76 Dia. X 400 W/internal Thread	093787-1	5
3	Bolt, M10x20-5.8 Hex Head Full Thread Zinc	F81003-1	10
4	Washer, 10.2 Split Lock Zinc	F81055-2	10
5	Washer, 10.5 Flat Zinc	F81055-1	10
6	Foot Assembly, Table Leg	099281-1	4
7	Nut, M16-5.8 Hex Zinc	F81036-1	8

# INDEX

---

## B

- blade guides
  - drive side blade guide 2-3
  - idle side blade guide 2-1
- blade wheels & tensioner
  - blade tensioner 3-3
  - blade tensioner supply 3-4
  - drive side blade wheel 3-1
  - idle side blade wheel 3-2

---

## R

- replacement parts
  - how to use parts list 1-1

---

## S

- saw head
  - alignment tool 4-11, 4-12, 4-13
  - blade housing cover 4-5
  - control box 4-10
  - decals 4-4
  - drive motor 4-9
  - middle throat screw 4-1
  - roller 4-7
  - water lube 4-2
- SVS tables
  - chains 5-4
  - feed track 5-1
  - infeed/outfeed table 5-6
  - side table 5-8