

# **Wood-Mizer®**

## **Parts Manual**

---

<b>LT20 B1-4 E15S MH</b>	<b>rev. A6.12</b>
<b>LT20 B1-4 D22S MH</b>	<b>rev. A7.10</b>
<b>LT20 B1-4 G25S MH</b>	<b>rev. A7.10</b>

---



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

*Form #632*

# Table of Contents

# Section-Page

<b>SECTION 1</b>	<b>GENERAL INFORMATION</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 GUIDE ASSEMBLIES</b>	<b>2-1</b>
2.1	Blade Guide Assembly, Idle Side.....	2-1
2.2	Blade Guide Assembly, Drive Side.....	2-2
2.3	Blade Guide Arm Assembly.....	2-3
2.4	Blade Guide Arm w/Guard .....	2-4
2.5	Blade Guide Arm w/Guard, LT20 Wide .....	2-5
2.6	Blade Guide Arm Drive.....	2-6
<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 .....	3-4
<b>SECTION 4</b>	<b>SAW HEAD</b>	<b>4-1</b>
4.1	Middle Throat Screw.....	4-1
4.2	Water Lube Assembly .....	4-2
4.3	Blade Lube System.....	4-4
4.4	LT20AC Saw Head Decals .....	4-5
4.5	LT20DC Saw Head Decals .....	4-7
4.6	Blade Housing Cover .....	4-9
4.7	Control Box (AC Sawmills).....	4-11
4.8	Control Box (DC Sawmills).....	4-13
4.9	Control Box LT20B-ECP .....	4-15
4.10	Drum Switches .....	4-17
4.11	Sawdust Chute .....	4-18
4.12	Up/Down Cable Chain Assembly .....	4-19
4.13	LES Control Box Bracket.....	4-20
4.14	Saw Head Safety Device For LT20B Sawmills .....	4-21
4.15	Saw Head Transport Bracket, LT20B-ECP .....	4-22
4.16	Control Box Mount Bracket, LT20B-ECP .....	4-23
4.17	Drive Belt Tensioner 098456 .....	4-24
4.18	Drive Belt Tensioner 097842 .....	4-26
4.19	Tension Roller 509902 .....	4-28

# Table of Contents

# Section-Page

<b>SECTION 5 UP/DOWN ASSEMBLY</b>	<b>5-1</b>
5.1 Up/Down Assembly, AC Mills .....	5-1
5.2 Up/Down Assembly, DC Mills .....	5-3
5.3 Up/Down Chain Tensioner Assembly.....	5-5
5.4 Battery Box Assembly (DC Sawmills) .....	5-6
<b>SECTION 6 UP/DOWN ROLLERS &amp; BLADE HEIGHT SCALE</b>	<b>6-1</b>
6.1 Up/Down Rollers.....	6-1
6.2 Blade Height Scale .....	6-3
6.3 Limit Switches.....	6-5
6.4 Blade Height Scale Assembly (No. 586998) .....	7-6
6.5 Blade Height Scale Assembly (DC, No. 587006) .....	7-8
<b>SECTION 7 POWER FEED &amp; TRACK ROLLERS</b>	<b>8-1</b>
7.1 Power Feed Assembly, AC Mills .....	8-1
7.2 Power Feed Assembly, DC Mills .....	8-2
7.3 Upper Track Rollers And Wipers .....	8-3
7.4 Lower Track Rollers .....	8-5
<b>SECTION 8 BED FRAME ASSEMBLY</b>	<b>9-1</b>
8.1 Bed Section.....	9-1
8.2 Bed Section, Additional .....	9-2
8.3 Bed Extension.....	9-3
8.4 Stationary Leg Kit .....	9-4
8.5 Outrigger Leg Kit .....	9-5
8.6 Outrigger Leg Kit High - LES B3 .....	9-6
8.7 Additional Angled Bed Rail (Long) .....	9-7
8.8 Additional Flat Bed Rail (Long) .....	9-8
8.9 Additional Flat Bed Rail (Short) .....	9-9
8.10 Additional Angled Bed Rail (Short) .....	9-10
8.11 Log Side Support Assembly .....	9-11
8.12 Front & Rear Tubes .....	9-12
8.13 Bumpers.....	9-13
8.14 Remote Equipment for Installation on a Wall (Cutting Length of 6.5 m) .....	9-14
8.15 Remote Equipment for Installation on a Wall (Cutting Length of 6.5-10 m) .....	9-15
8.16 4-Post Remote Set .....	9-16
8.17 Guide Rail Support Post .....	9-17
8.18 Guide Rail Support Post .....	9-19
8.19 5-Post Remote Set .....	9-21
8.20 Bed Frame Decals.....	9-22
8.21 Saw Head Transportation Holder, LT70B.....	9-22
8.22 Octagonal Profile Sawing Tool (Option) .....	9-24

**Table of Contents**

**Section-Page**

**SECTION 9 LOG CLAMP, LOADING RAMP & TOE BOARD**

**10-1**

9.1	Log Clamp, LES .....	10-1
9.2	Loading Ramp .....	10-2
9.3	Manual Toe Board.....	10-3
9.4	Winch Option .....	10-4
9.5	Log Side Supports w/Lever Option.....	10-5

## SECTION 1 GENERAL INFORMATION

### 1.1 How To Use the Parts List

- Use the index above to locate the assembly that contains the part you need.
- 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	
	Sample Assembly, Complete (Includes All Indented Parts Below)	A01111	1	
1	Sample Part	F02222-22	1	
	Sample Subassembly (Includes All Indented Parts Below)	A03333	1	
2	Sample Part (◆ Indicates Part Is Only Available With A03333)	S04444-4	1	◆
	Sample Subassembly (Includes All Indented Parts Below)	K05555	1	
3	Sample Part (◆ Indicates Part Is Only Available With K05555)	M06666	2	◆
4	Sample Part	F07777-77	1	

#### To Order Parts:

- From Europe call our European Headquarters and Manufacturing Facility in Kolo, Poland at **+48-63-2626000**. From the continental U.S., call our toll-free Parts hotline at **1-800-525-8100**. Have your customer number, vehicle identification number, and part numbers ready when you call. From other international locations, contact the Wood-Mizer distributor in your area for parts.

#### Office Hours:

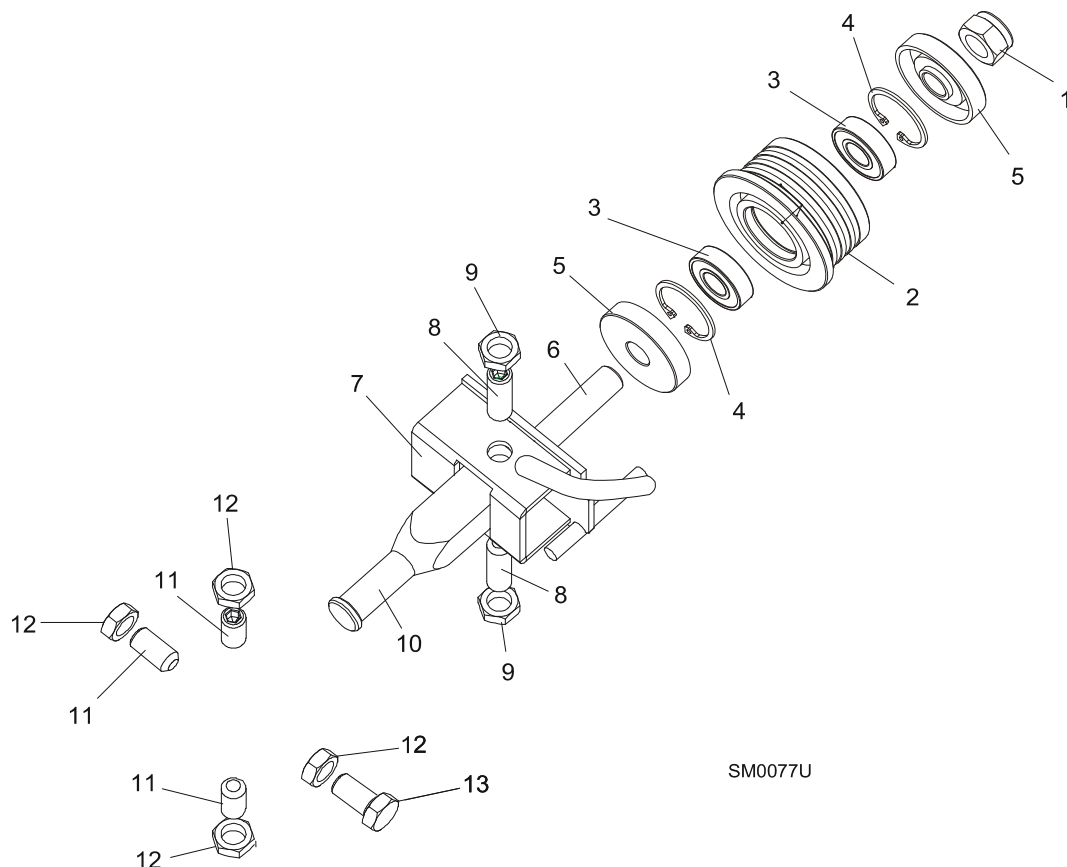
Country	Monday - Friday	Saturday	Sunday
Poland	7-15	Closed	Closed
US	8 a.m.- 5 p.m.	8 a.m.- 12 p.m.	Closed



**CAUTION!** It is strongly recommended that only original spare parts be used.

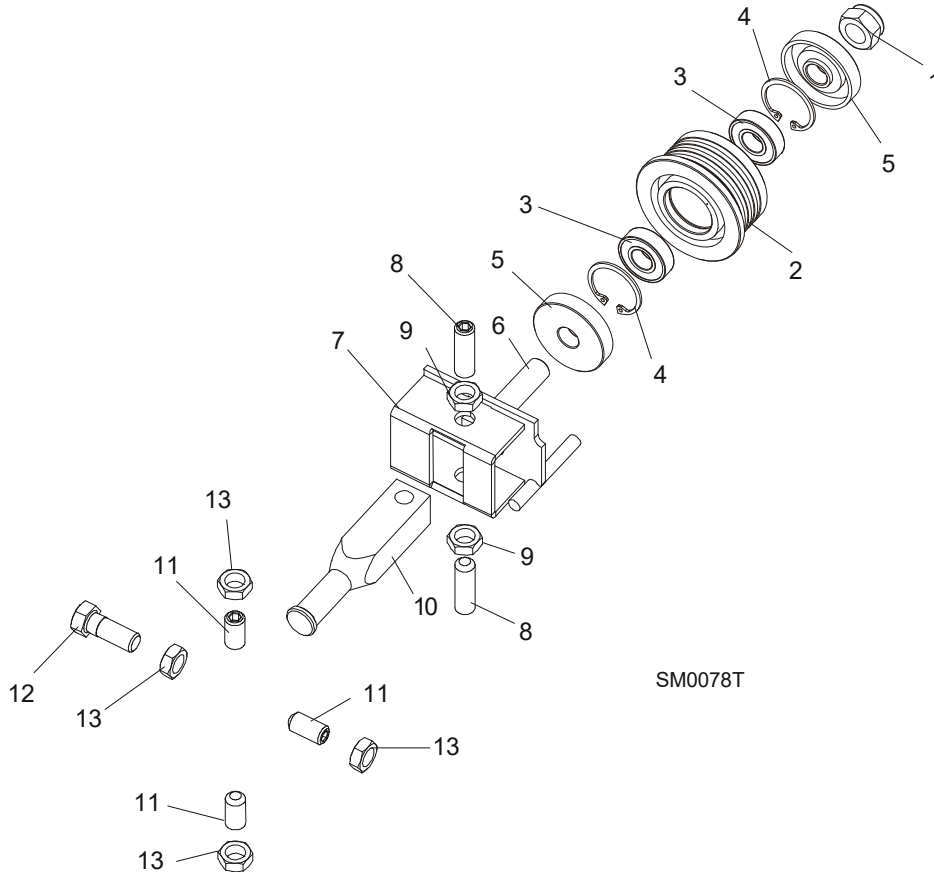
## SECTION 2 BLADE GUIDE ASSEMBLIES

### 2.1 Blade Guide Assembly, Idle Side



REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY	
	<b>BLADE GUIDE ASSEMBLY, IDLE SIDE</b>	094683	1	
	Roller, Blade Guide Complete Standard	087887	1	
1	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	1	
2	Roller, Blade Guide Narrow	087889	1	◆
3	Bearing, 6001 2RSR FAG	087893	2	
4	Ring, W28 Inside Retaining	F81090-9	1	
5	Washer, Zinc-plated Spacer	087891-1	2	
6	Shaft, Blade Guide Roller Zinc-plated	087763-1	1	
7	Bracket Weldment, Idle Side Blade Guide	094681-1	1	
8	Screw, M10x1x40 DIN 913 A2-70 Stainless Steel Set	F81015-2	2	
9	Nut, M10x1-04-ST-A2 ISO 8675 Thin	F81033-10	2	
10	Shaft, Blade Guide Mount Zinc-Plated	503588-1	1	
11	<b>SCREW, M10X1X25 DIN 913 STAINLESS STEEL SET</b>	F81015-4	3	
12	<b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b>	F81033-10	4	
13	<b>BOLT, M10X1X25 DIN 933 STAINLESS STEEL</b>	F81003-28	1	

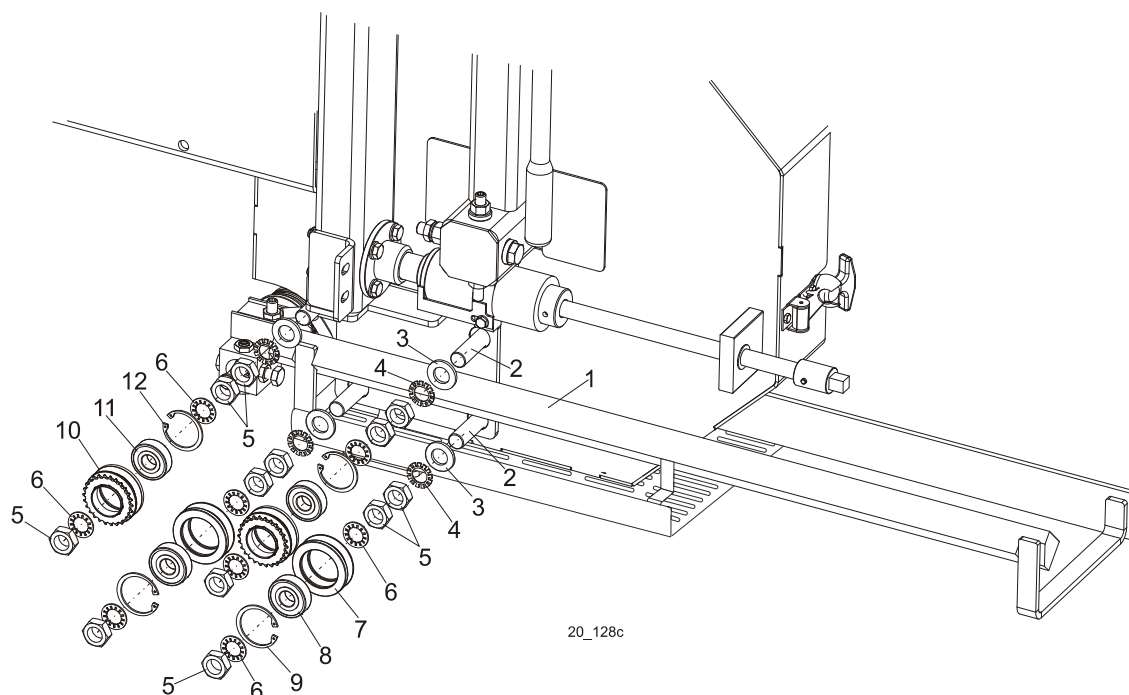
## 2.2 Blade Guide Assembly, Drive Side



SM0078T

REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY
	<b>BLADE GUIDE ASSEMBLY, DRIVE SIDE</b>	094682	1
	Roller, Blade Guide Complete Standard	087887	1
1	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	1
2	Roller, Blade Guide Narrow	087889	1
3	Bearing, 6001 2RSR FAG	087893	2
4	Ring, W28 Inside Retaining	F81090-9	1
5	Washer, Zinc-plated Spacer	087891-1	2
6	Shaft, Blade Guide Roller Zinc-plated	087763-1	1
7	Bracket Weldment, Blade Guide	094679-1	1
	Screw Kit, Blade Guide Adjustment w/Nuts (for two blade guide assemblies)	K09942	1
8	Screw, M10x1x40 DIN 913 A2-70 Stainless Steel Set	F81015-2	2
9	Nut, M10x1-04-ST-A2 ISO 8675 Thin	F81033-10	2
10	Shaft, Blade Guide Mount Zinc-Plated	503588-1	1
11	<b>SCREW, M10X1X25 DIN 913 STAINLESS STEEL SET</b>	F81015-4	3
12	<b>BOLT, M10X1X25 DIN 933 STAINLESS STEEL</b>	F81003-28	1
13	<b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b>	F81033-10	4

### 2.3 Blade Guide Arm Assembly

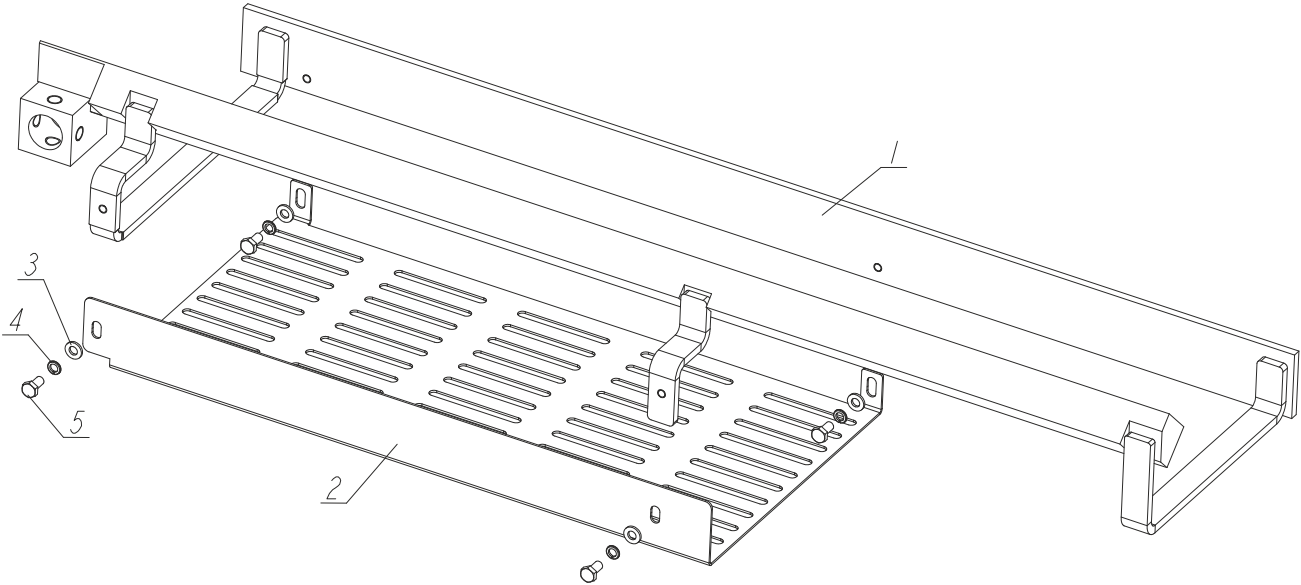


REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY	
1	ARM, BLADE GUIDE W/GUARD	525591	1	
2	BOLT WELDMENT, BLADE GUIDE ECCENTRIC	086508-1	4	
3	WASHER, 17 FLAT ZINC	F81058-1	4	
4	WASHER, 5/8 STAR ET	F05011-26	4	
5	NUT, 5/8-18 HEX JAM	F05010-11	12	
6	WASHER, 5/8 STAR IT	F05011-25	8	
	<b>ROLLER ASSEMBLY, V-GROOVE WITH BEARING</b>	093855	2	
7	Roller, Blade Guide Arm V-Groove	093856-1	1	◆
8	Bearing, 6203 2RSP6-5/8 CX	095087	1	
9	Ring, W40 Inside Retaining	F81090-3	1	
	<b>ROLLER ASSEMBLY, V-GROOVE W/SPROCKET</b>	501496	2	
10	Roller, Zinc-Plated w/Sprocket	501495-1	1	◆
11	Bearing, 6203 2RSP6-5/8 CX	095087	1	
12	Ring, W40 Inside Retaining	F81090-3	1	



**2.4 Blade Guide Arm w/Guard**

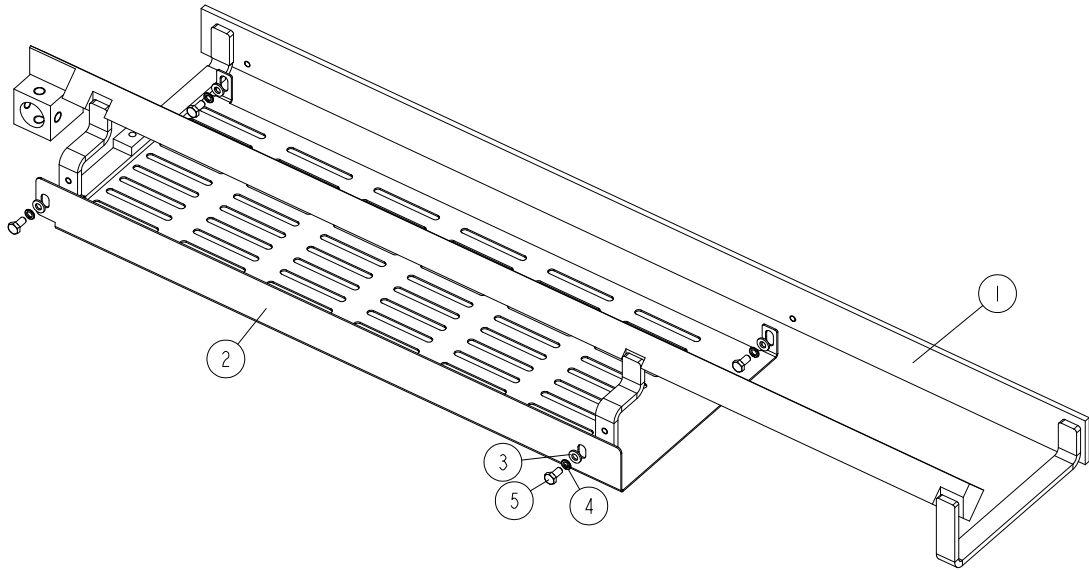
525591\_001  
 525591\_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY	
-	<b>ARM, LT20 BLADE GUIDE W/GUARD</b>	525591	1	
1	ARM, LT20 BLADE GUIDE	524302-1	1	
2	GUARD, BOTTOM	524305-1	1	
3	WASHER, 6.4 FLAT ZINC	F81053-1	4	
4	WASHER, Z 6.1 SPLIT LOCK ZINC	F81053-3	4	
5	BOLT, M6X12 8.8 HEX HEAD FULL THREAD ZINC	F81001-7	4	

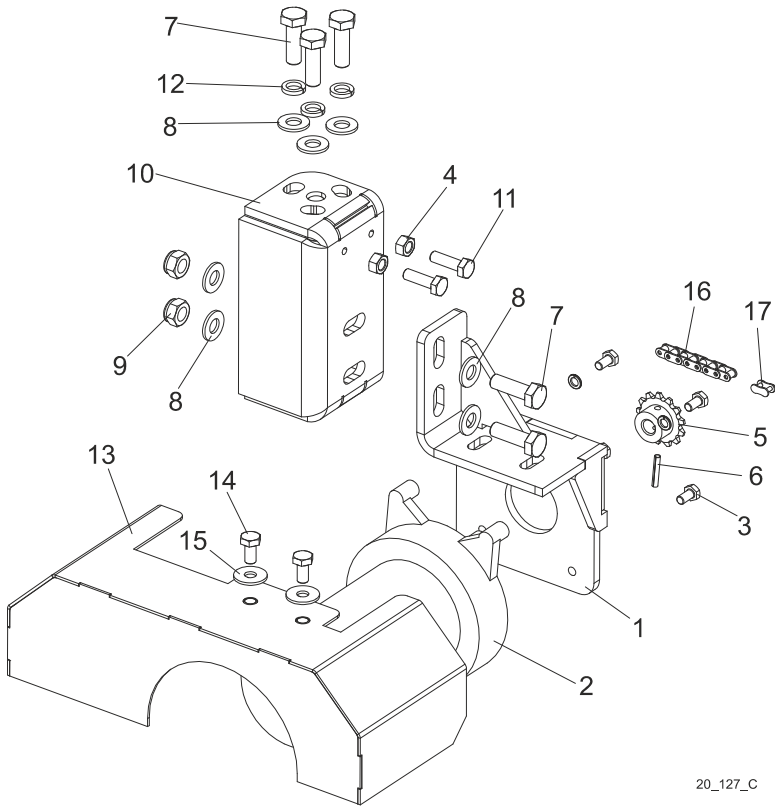
**2.5 Blade Guide Arm w/Guard, LT20 Wide**

580540\_001  
 580540



REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
-	<b>ARM, LT20 WIDE BLADE GUIDE W/GUARD</b>	580540	1
1	ARM, LT20 WIDE BLADE GUIDE	580541-1	1
2	GUARD, BOTTOM	580539-1	1
3	WASHER, 6.4 FLAT ZINC	F81053-1	4
4	WASHER, Z 6.1 SPLIT LOCK	F81053-3	4
5	BOLT, M6X12-8.8 HEX HEAD FULL THREAD ZIN	F81001-7	4

**2.6 Blade Guide Arm Drive**

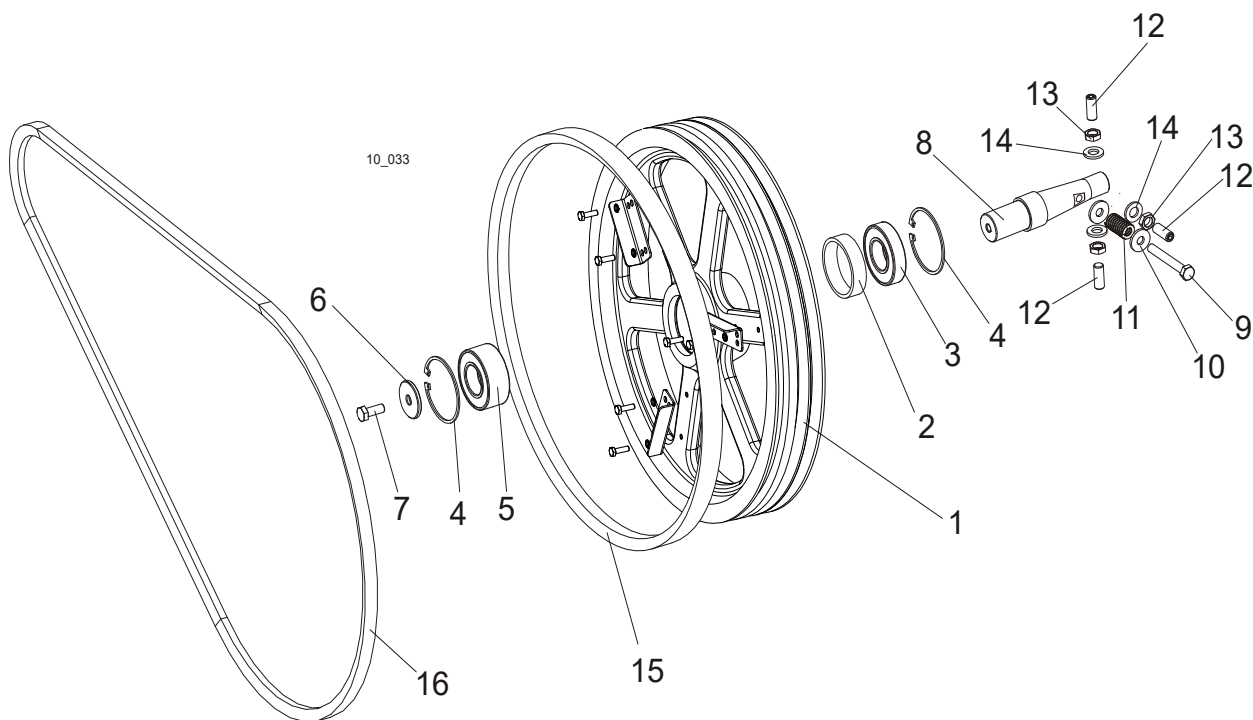


20\_127\_C

REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART #	QTY
	<b>DRIVE ASSEMBLY, BLADE GUIDE ARM</b>	096396	1
1	BRACKET, BLADE GUIDE ARM MOTOR MOUNT	096390-1	1
2	MOTOREDUCTOR COMPACT	557161	1
3	BOLT, #10-32X1/2 HH	F05004-60	4
4	NUT, M6-8 HEX ZINC	F81031-1	2
5	SPROCKET ASSEMBLY, 25B13X.3130	P09970	1
6	PIN, 1/8X3/4 ROLL	F05012-6	1
7	BOLT, M8x25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	5
8	WASHER, 8.4 FLAT ZINC	F81054-1	7
9	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	2
10	BRACKET, BLADE GUIDE ARM DRIVE	501265-1	1
11	BOLT, M6x20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	2
12	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	3
13	<b>COVER, LT20 BLADE GUIDE ARM MOTOR</b>	097424-1	1
14	<b>BOLT, M6X12-8.8 HEX HEAD FULL THREAD ZINC</b>	F81001-7	2
15	<b>WASHER, 6.5 SPECIAL FLAT ZINC</b>	F81053-11	2
16	<b>CHAIN, #25X20-1/4 (81 PITCHES)</b>	P09984	1
17	<b>LINK, 25 MASTER</b>	P09983	1

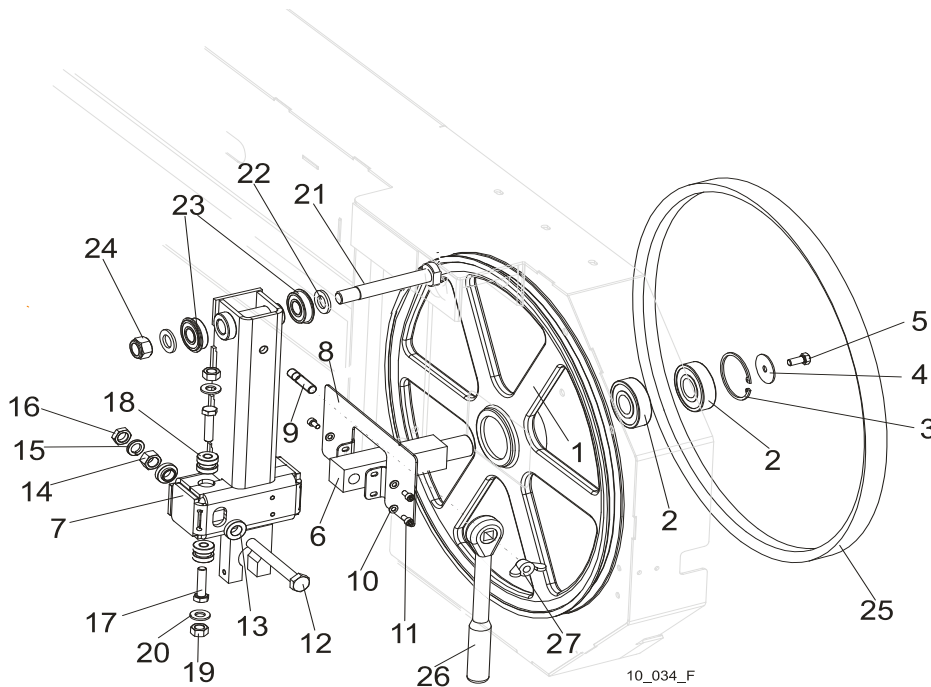
## SECTION 3 BLADE WHEELS & TENSIONER

### 3.1 Blade Wheel Assembly, Drive Side



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>BLADE WHEEL, DRIVE SIDE - COMPLETE</b>	550620	1
1	WHEEL, LT20 DRIVE SIDE	090646-1	1
2	BUSHING, SPACER	096778	1
3	BEARING, 6207 2RS 35X72X17 FAG	014811	1
4	RING, W72 INSIDE RETAINING	F81090-4	2
5	BEARING, 3207B, 2RSR. TVH FAQ	092005	1
6	<b>WASHER, CLAMPING</b>	092006	1
7	<b>BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC</b>	F81003-11	1
8	<b>SHAFT, DRIVE SIDE BLADE WHEEL</b>	093850	1
9	<b>BOLT, M10X75-8.8 HEX HEAD ZINC</b>	F81003-15	1
10	<b>WASHER, 10.5 SPECIAL FLAT ZINC</b>	F81055-6	2
11	<b>SPRING, 3/4 O.D.X 1 1/2 DIE</b>	034430	1
12	<b>SCREW, M12X1.25X30 DIN913 STAINLESS STEEL SET</b>	F81016-1	3
13	<b>WASHER, 13 FLAT ZINC</b>	F81056-1	3
14	<b>NUT, M12X1.25 DIN439 STAINLESS STEEL THIN</b>	F81034-9	3
15	<b>V-BELT, B57</b>	P04185-3	1
16	<b>BELT, BX81 DRIVE</b>	014819 -2	1

### 3.2 Blade Wheel Assembly, Idle Side



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>WHEEL ASSEMBLY, IDLE SIDE BLADE</b>	<b>A08218</b>	<b>1</b>
1	WHEEL ASSEMBLY, 18.62" BLADE IDLE SIDE	P08125	1
2	BEARING, 6305 2RS NSK IDLE SIDE WHEEL	P08066	2
3	RING, 2 7/16" INSIDE RETAINING	F04254-21	1
	<b>HOUSING, LT10 &amp; LT15 IDLER SHAFT, COMPLETE</b>	<b>100180</b>	<b>1</b>
4	WASHER, IDLE SIDE WHEEL RETAINING	093854-1	1
5	BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	1
6	SHAFT, IDLE SIDE BLADE WHEEL (METRIC)	096045	1
	<b>HOUSING, IDLER SHAFT COMPLETE</b>	<b>508145</b>	<b>1</b>
7	HOUSING, IDLER SHAFT WELDED/PAINTED	508144-1	1
8	COVER, HOUSING, IDLER SHAFT COMPLETE PAINTED	508128-1	1
9	BOLT M10X35-8.8	F81003-9	1
10	WASHER, 5.3 FLAT ZINC	F81052-1	3
11	SCREW, M5x10 DIN912 A2-70 HEX SOCKET HEAD	F81000-23	3
12	BOLT, M12X1,25X100-8.8 HEX HEAD FULL THREAD ZINC	F81004-41	1
13	WASHER, FLANGED ZINC-PLATED	086769-1	2
14	NUT, M12X1,25-8 HEX ZINC	F81034-8	1
15	WASHER, 12.2 SPLIT LOCK ZINC	F81056-2	1
16	NUT, M12x1.25 DIN439 THIN STAINLESS STEEL	F81034-5	1
17	BOLT, M10 X 40-8.8 HEX HEAD FULL THREAD ZINC	F81003-16	2
18	BUSHING, M10 IDLER SHAFT HOUSING	086987	2
19	NUT, M10-8-B HEX HEAD ZINC	F81033-3	2
20	WASHER, 10.5 FLAT ZINC	F81055-1	2
21	<b>PIN, IDLER ARM MOUNT</b>	086404	1
22	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	2
23	<b>BEARING, 6203-2RS NR NSK W/SNAP RING</b>	086395	2
24	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	1

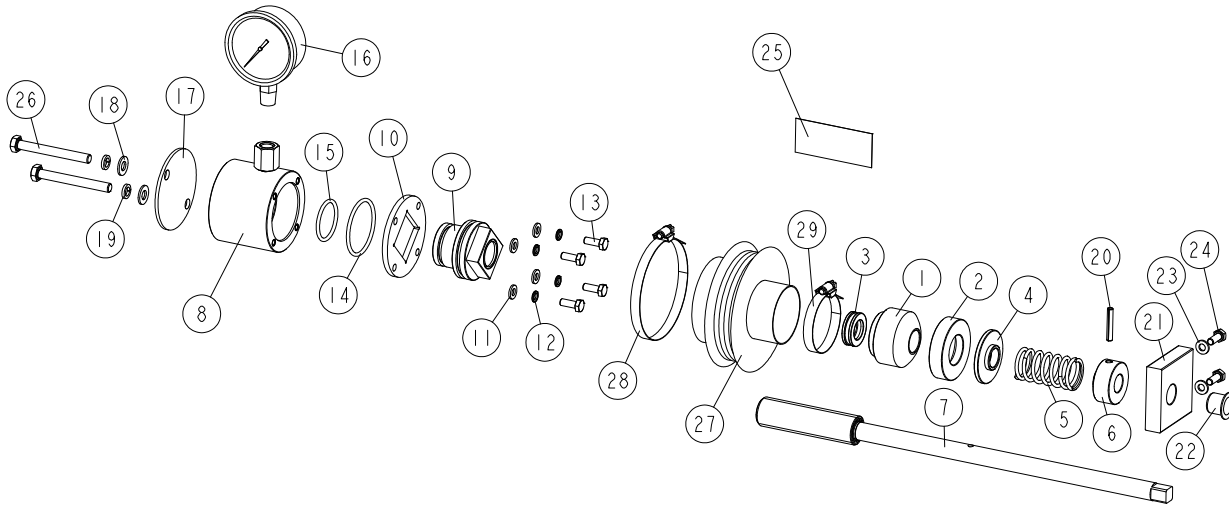
**3****Blade Wheels & Tensioner***Blade Wheel Assembly, Idle Side*

---

25	V-BELT, B57	P04185-2	1	
26	WRENCH, LT20 BLADE TENSION	091620	1	
27	NUT, M10 WING	F81033-8	1	

### 3.3 Blade Tensioner Assembly

510640\_001  
510640\_MANUAL



REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
-	<b>COMPLETE BLADE TENSIONER</b>	510640	1
1	HOUSING, BALL THRUST BEARING	510635	1
2	SOCKET, BEARING HOUSING	510634-1	1
3	BEARING, 51103. BALL THRUST	086675	1
4	WASHER	510633-1	1
5	SPRING, 60X23X3	088992	1
6	BUSHING, BLADE TENSIONER SCREW	510636-1	1
7	SCREW, BLADE TENSIONER ZINC-PLATED	510650-1	1
-	CYLINDER ASSEMBLY	510641	1
8	CYLINDER ASSEMBLY WITH REDUCTION	550762-1	1
9	PISTON	510638	1
10	PLATE, CYLINDER	510490-1	1
11	WASHER, 6.4 FLAT ZINC	F81053-1	4
12	WASHER, Z 6.1 SPLIT LOCK	F81053-3	4
13	BOLT, M6X16-5.8 HEX HEAD FULL THREAD ZIN	F81001-15	4
14	O-RING, 46.2X3	510646	1
15	O-RING, 32.2X3	510647	1
16	GAUGE, 3000PSI/200 BAR OIL PRESSURE	505176	1
17	COVER, TENSIONER	550761-1	1
18	WASHER, 8.4 FLAT ZINC	F81054-1	2
19	WASHER 8,2 SPLIT LOCK ZINC	F81054-4	2
20	PIN 5X30 ROLL	F81044-21	1
21	BLOCK, TENSIONER HANDLE MOUNT	096730	1
22	BUSHING, GFM-1618-17	089589	1
23	WASHER, 6.4 FLAT ZINC	F81053-1	2
24	BOLT, M6X16-5.8 HEX HEAD FULL THREAD ZIN	F81001-15	2
25	DECAL, BLADE TENSION INDICATOR ADJUSTMEN	589604	1
26	BOLT, M8X70-8.8 HEX HEAD ZINC	F81002-71	2
-	BELLOWS, COMPLETE	515050	1

**3****Blade Wheels & Tensioner***Blade Tensioner Assembly*

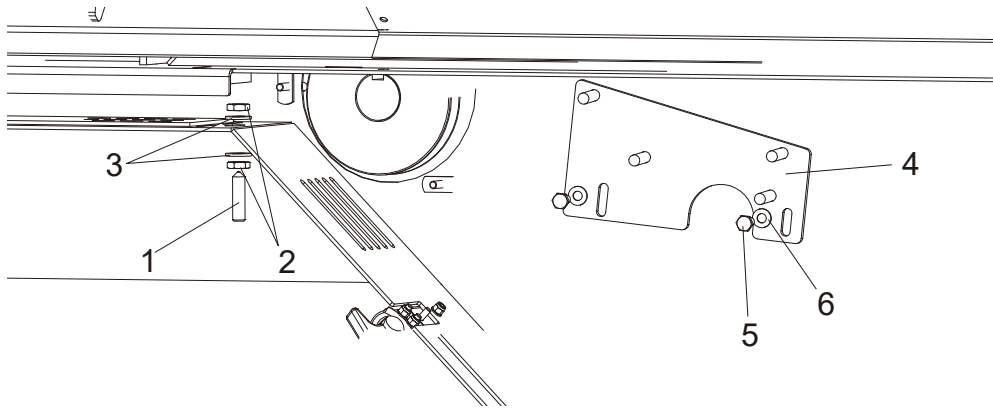
---

REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY	
27	BELLOWS	515051	1	
28	CLAMP, 70-80MM DIA.	F81095-5	1	
29	CLAMP, 40-60MM DIA.	F81095-4	1	



## SECTION 4 SAW HEAD

### 4.1 Middle Throat Screw



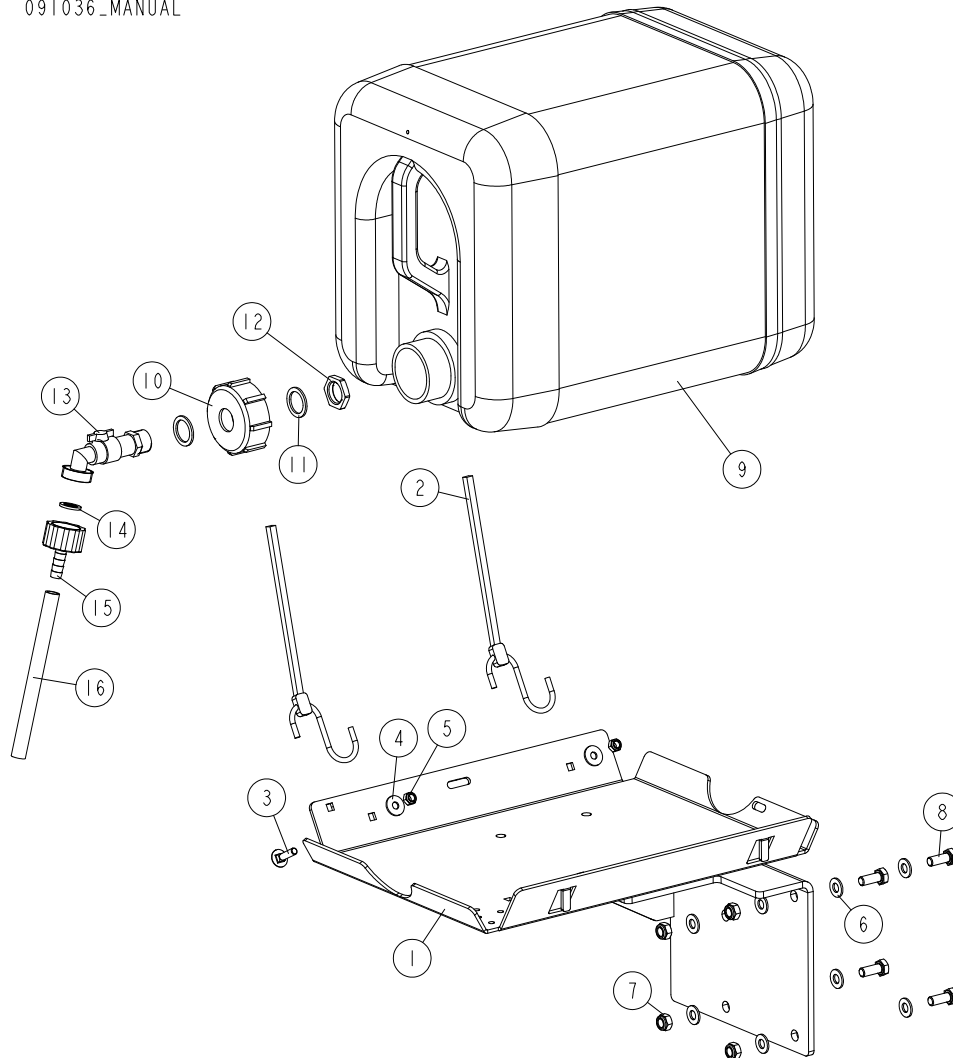
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
1	SCREW, M10 X 40-45H HEX SOCKET SET CONE POINT ZINC	F81003-61	1	
2	NUT, M10-8-B ZINC HEX	F81033-6	2	
3	WASHER, 10.5 ZINC FLAT	F81055-1	2	
4	BRACKET, DRIVE BELT SUPPORT, UPPER	092668-1	1	
5	BOLT, M8X20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	2	
6	WASHER, 8.4 ZINC FLAT	F81054-1	2	

# 4 Saw Head

## Water Lube Assembly

### 4.2 Water Lube Assembly

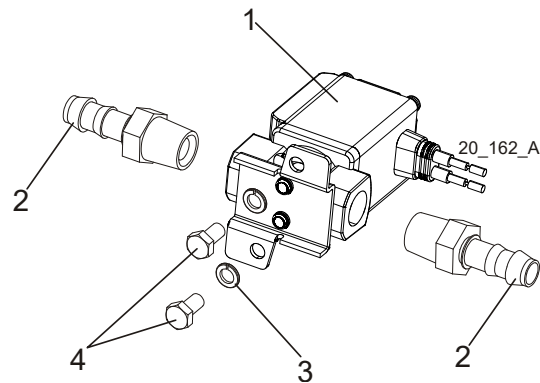
091036\_001\_A  
091036\_MANUAL



REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
-	<b>BOTTLE KIT, LT20 WATER LUBE</b>	091036	1
1	TRAY WELDMENT, LT20 WATER LUBE	091033-1	1
2	STRAP, 20" RUBBER W/HOOK	P11668	2
3	BOLT, M6X25-8.8 ZINC	F81001-20	2
4	WASHER, FLAT ZINC	F81053-11	2
5	NUT, M6-8-B HEX NYLON ZINC LOCK	F81031-2	2
6	WASHER, 8.4 FLAT ZINC	F81054-1	8
7	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	4
8	BOLT, M8X20-8.8-B HEX HEAD FULL THREAD Z	F81002-4	4
-	TANK, OIL	550787	1
9	BOTTLE, WATER	513866	1
10	NUT, BOTTLE	550785	1
11	SEAL, 27X20X1.5 ESSENTRA 467673 RUBBER	550780	2
12	NUT, 1/2 ESSENTRA 467615 GLAND	550779	1

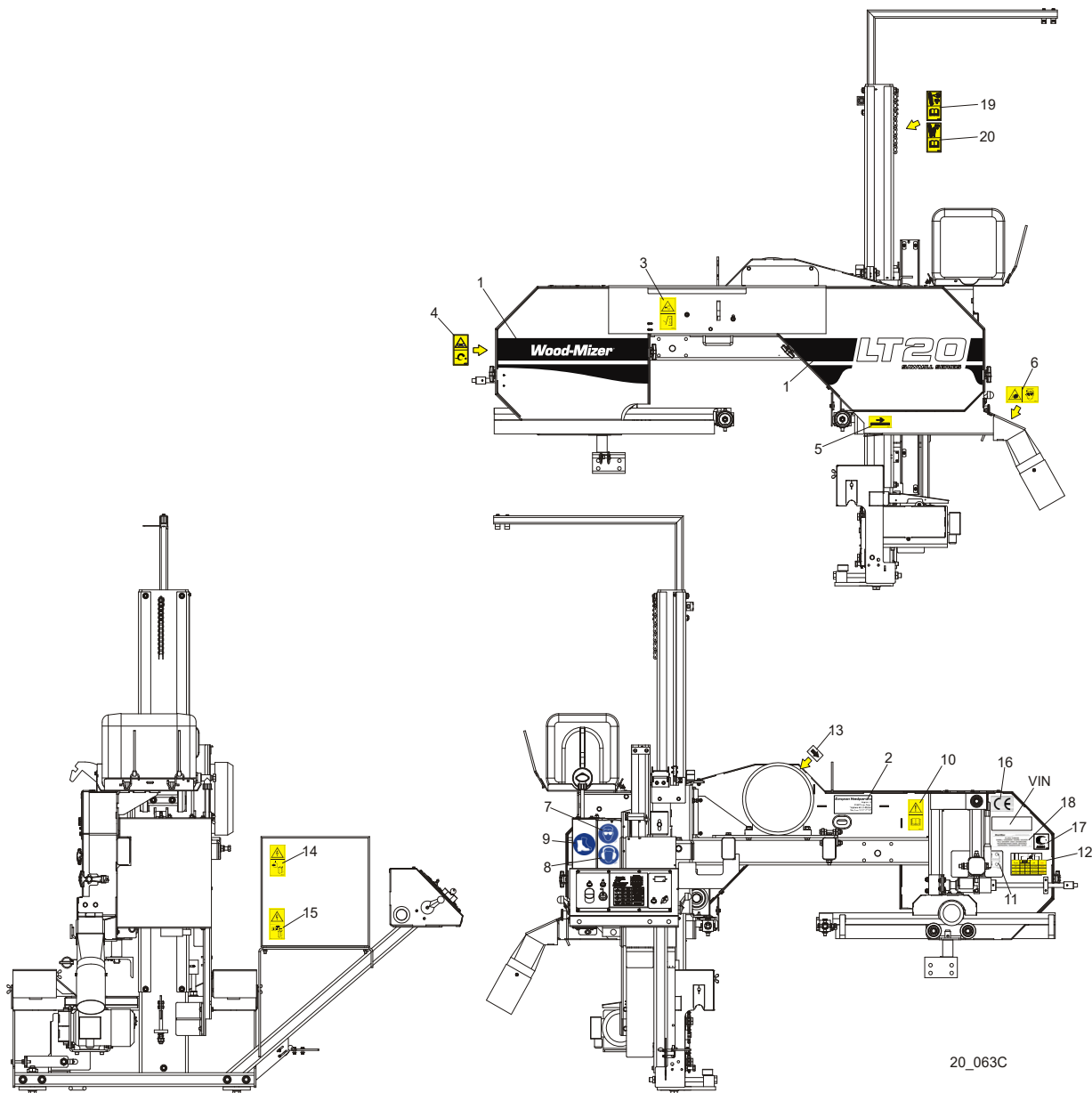
REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY	
13	FITTING, WATER LUBE SHUTOFF VALVE	550776	1	
14	FILTER, WATER LUBE	550778	1	
15	FITTING, G3/4" X 10MM HOSE BARB	550777	1	
16	TUBING, WATER LUBE 3/8" I.D.	R01885	1	

### 4.3 Blade Lube System



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>KIT, LT20AC BLADE LUBE SYSTEM</b>	503517	1
1	SOLENOID, WATER LUBE	514046	1
2	FITTING, 3/8 BARB 1/4NPT MALE NYLON	P04682	2
3	WASHER, 5.1 SPLIT LOCK ZINC	F81052-2	2
4	SCREW, 10-32X1/2 HH MACHINE	F05004-60	2
	CONNECTOR, 16-14GA FI BUTT	F04875-1	2
	CONDUIT, 1/2IN EXPANDABLE BLACK	R02374	1m
	<b>KIT, LT20DC BLADE LUBE SYSTEM</b>	503518	1
1	SOLENOID, WATER LUBE	509113	1
2	FITTING, 3/8 BARB 1/4NPT MALE NYLON	P04682	2
	CONDUIT, 1/2IN EXPANDABLE BLACK	R02374	1m

### 4.4 LT20AC Saw Head Decals



20\_063C

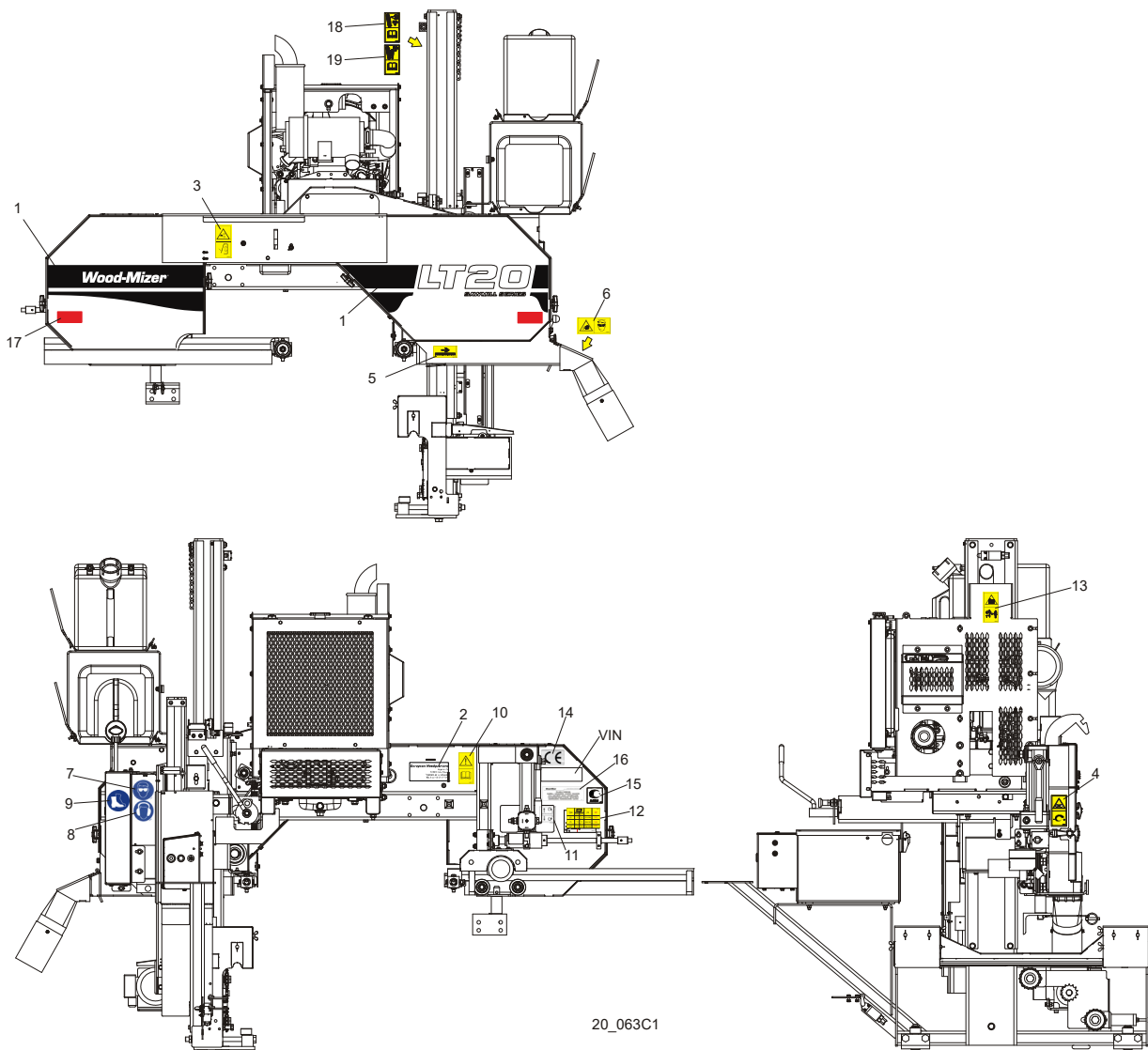
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	DECAL, LT20 SERIES SAWMILL	092762	1
	PICTOGRAPHIC DECAL KIT, LT20AC	099509	1
2	DECAL, EUROPEAN HEADQUARTERS ADDRESS	015841	1
3	DECAL, SAWMILL COVERS CAUTION	099220	1
4	DECAL, BLADE TENSION (PICTOGRAM)	099219	1
5	DECAL, BLADE MOVEMENT DIRECTION (PICTOGRAM)	096321	1
6	DECAL, SAWDUST CHUTE WARNING (PICTOGRAM)	099222	1
7	DECAL, EYE PROTECTION WARNING (PICTOGRAM)	S12004G	1
8	DECAL, EAR PROTECTION WARNING (PICTOGRAM)	S12005G	1
9	DECAL, USE SAFETY BOOTS (PICTOGRAM)	501465	1

## 4

**Saw Head***LT20AC Saw Head Decals*

10	DECAL, READ OPERATOR'S MANUAL (PICTOGRAM)	096317	1	
11	DECAL, BLADE ALIGNMENT	P11789	1	
12	DECAL, BLADE TENSION INDICATOR ADJUSTMENT	510643	1	
13	DECAL, MOTOR ROTATION DIRECTION	S20097	1	
14	DECAL, HIGH VOLTAGE INSIDE THE ELECTRIC BOX (PICTOGRAM)	096316	2	
15	DECAL, REMOVE THE PLUG BEFORE OPENING THE BOX (PICTOGRAM)	096319	2	
16	DECAL, CE CERTIFIED SAWMILL	P85070	2	
17	DECAL, RUSSIAN SAFETY CERTIFICATION	099401	1	
18	DECAL, INTERNATIONAL SAWMILL NAME	501466	1	
	DECAL, BLADE SETTING	P85066	1	
	DECAL, KEEP AWAY DANGER, PICTOGRAM	099221	1	
	DECAL, MAX. OIL PRESSURE, PICTOGRAM	099524	1	
19	<b>DECAL, LUBRICATE THE CHAIN</b>	512158	1	
20	<b>DECAL, CLEAN THE CHAIN</b>	512240	1	

## 4.5 LT20DC Saw Head Decals



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>DECAL, LT20 SERIES SAWMILL</b>	092762	1
<b>1</b>	<b>PICTOGRAPHIC DECAL KIT, LT20DC</b>	099510	1
<b>2</b>	DECAL, EUROPEAN HEADQUARTERS ADDRESS	015841	1
<b>3</b>	DECAL, SAWMILL COVERS CAUTION	099220	1
<b>4</b>	DECAL, BLADE TENSION (PICTOGRAM)	099219	1
<b>5</b>	DECAL, BLADE MOVEMENT DIRECTION (PICTOGRAM)	096321	1
<b>6</b>	DECAL, SAWDUST CHUTE WARNING (PICTOGRAM)	099222	1
<b>7</b>	DECAL, EYE PROTECTION WARNING (PICTOGRAM)	S12004G	1
<b>8</b>	DECAL, EAR PROTECTION WARNING (PICTOGRAM)	S12005G	1
<b>9</b>	DECAL, USE SAFETY BOOTS (PICTOGRAM)	501465	1
<b>10</b>	DECAL, READ OPERATOR'S MANUAL (PICTOGRAM)	096317	1
<b>11</b>	DECAL, BLADE ALIGNMENT	P11789	1
<b>12</b>	DECAL, BLADE TENSION INDICATOR ADJUSTMENT	510643	1

**4****Saw Head***LT20DC Saw Head Decals*

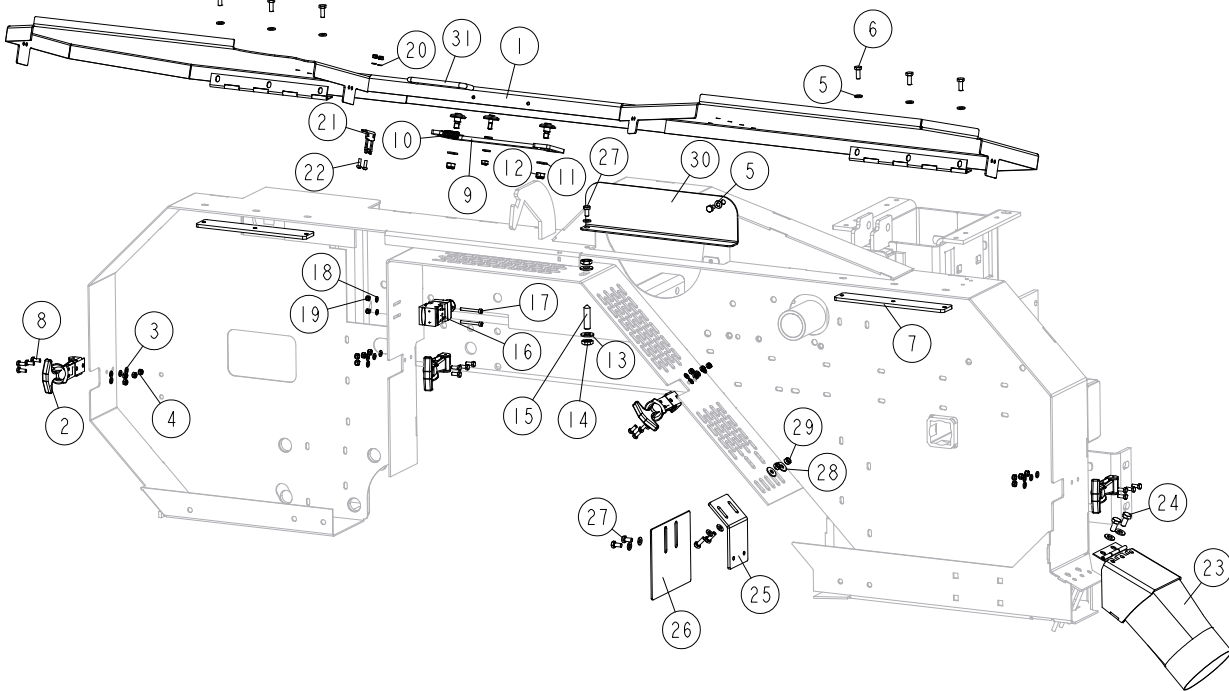
---

13	DECAL, KEEP AWAY - HOT PARTS (PICTOGRAM)	086099	1	
14	DECAL, CE CERTIFIED SAWMILL	P85070	1	
15	DECAL, RUSSIAN SAFETY CERTIFICATION	099401	1	
16	DECAL, INTERNATIONAL SAWMILL NAME	501466	1	
17	<b>REFLECTOR, 2 DIA RED (MOBILE SAWMILLS ONLY)</b>	P07452	1	
18	<b>DECAL, LUBRICATE THE CHAIN</b>	512158	1	
19	<b>DECAL, CLEAN THE CHAIN</b>	512240	1	



## 4.6 Blade Housing Cover

090586\_001  
090586



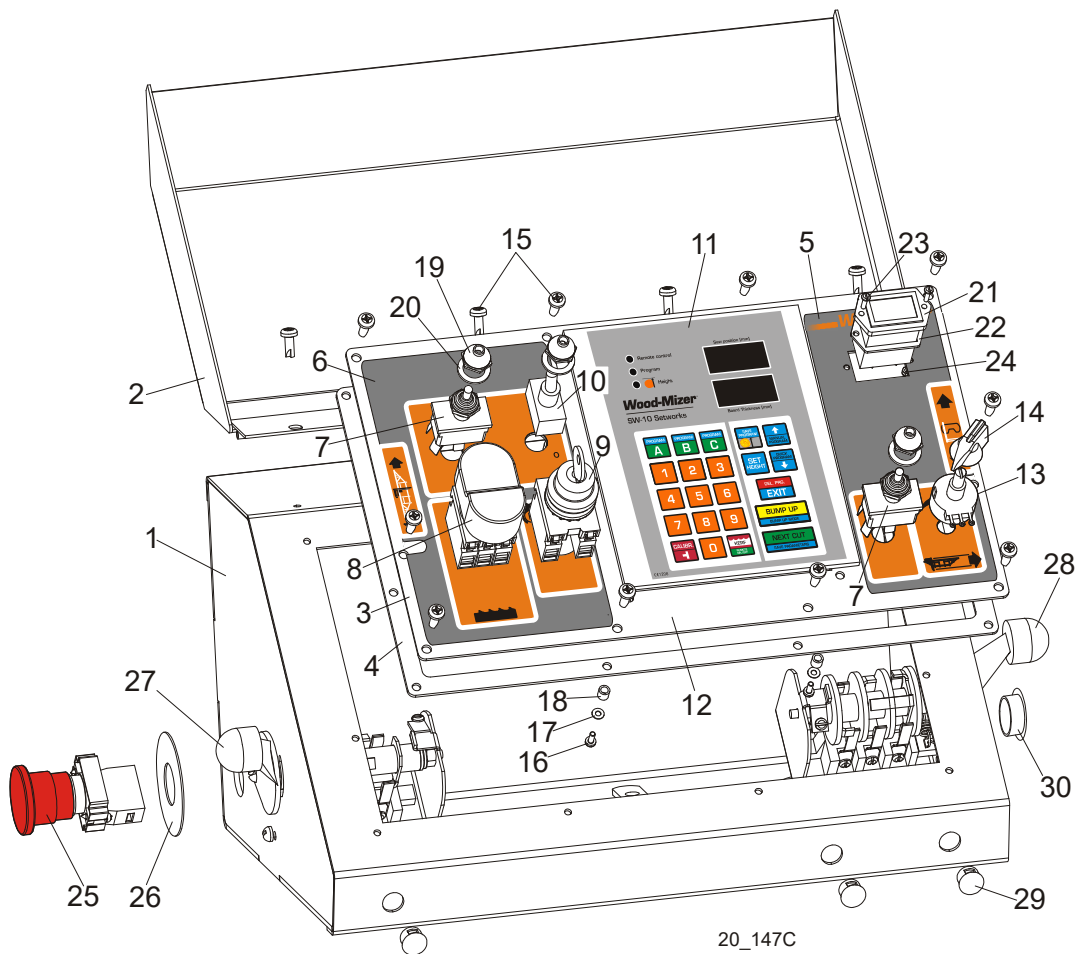
REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
1	COVER WELDMENT, LT20 BLADE HOUSING	096776-1	1
	COVER WELDMENT, LT20 WIDEBLADE HOUSING	580535	1
2	LATCH, FLEXIBLE DRAW	014829	4
3	WASHER, 5.3 FLAT ZINC	F81052-1	16
4	NUT, M5-8 DIN985 ZINC-PLATED	F81030-2	16
5	WASHER, 6.4 FLAT ZINC	F81053-1	14
6	BOLT, M6X16-5.8 HEX HEAD FULL THREAD ZIN	F81001-15	8
7	PLATE WELDMENT, COVER MOUNT	086701-1	1
8	BOLT, M5X12 8.8 HEX HEAD FULL THREAD ZIN	F81000-5	16
9	PAWL, LOCKING	090643-1	1
10	SPRING, 1.6X12X38 EXTENSION	092208	1
11	WASHER, 8.4 FLAT ZINC	F81054-1	4
12	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	2
13	WASHER, 10.5 FLAT ZINC	F81055-1	2
14	NUT, M10-8-B ZINC HEX	F81033-6	2
15	SCREW, M10 X 40-45H HEX SOCKET SET CONE	F81003-61	1
16	SWITCH, AZ17-11ZRK SAFETY 1	094232	1
17	SCREW, M4X35 8.8 HEX SOCKET HEAD CAP ZIN	F81011-34	2
18	WASHER, 4.3 FLAT ZINC	F81051-2	2
19	NUT, M4-8 HEX NYLON ZINC LOCK	F81029-1	4

## 4

**Saw Head***Blade Housing Cover*

REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY	
20	KEY, AZ17/170-B5 SAFETY SWITCH 2	094422	1	
21	KEY, AZ17/170-B5 SAFETY SWITCH 2	094422	1	
22	SCREW, M4X12 5,8-B CROSS RECESSED PAN HE	F81011-43	2	
23	CHUTE WELDMENT, SAWDUST	100903-1	1	
24	BOLT, M8X16 -8.8-B HEX HEAD FULL THREAD	F81002-20	2	
25	BRACKET, BLADE GUIDE ROLLER GUARD	092378-1	1	
26	GUARD, BLADE GUIDE ROLLER	092379-1	1	
27	BOLT, M6X12-8.8 HEX HEAD FULL THREAD ZIN	F81001-7	4	
28	WASHER, 6.5 SPECIAL FLAT ZINC	F81053-11	2	
29	NUT, M6-8-B HEX NYLON ZINC LOCK	F81031-2	3	
30	COVER, SAW HEAD MOUNT	096788-1	1	
31	HANDLE, BLADE HOUSING COVER	P08065	1	

## 4.7 Control Box (AC Sawmills)



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>CONTROL BOX ASSEMBLY, LT20 AC COMPLETE</b>	097136	1
1	Box Weldment, LT20 AC Control	097134-1	1
2	Cover Control Box, LT20	097135-1	1
3	Panel, LT20AC Front Control Complete	097131	1
4	Gasket, LT20 Control Box	097132	1
5	Decal, LT20AC/DC Control Box Right	099593	1
6	Decal, LT20AC Control Box Left	099594	1
7	Switch, DPDT Toggle 21A Rev Mom Spade	024200	2
8	Button, 24V Start/Stop	090452	1
	Membrane, M22-T-DD	090462	1
9	Switch, M22 3-position Key	091361	1
	Contact, M22 - K10	091362	2
10	Switch, SPST ON/OFF 15A .25 Tabs Toggle	P03027	1
11	Controller, SW-10 Networks	500628	1
12	Panel, LT20/40AC Front Control	100572-1	1
13	Potentiometer, 1K Feed Rate	E20519	1
14	Knob, Speed Control	P06257	1
15	Bolt, #10-24x1/2 Ph Pan Hd, Type 23	F05015-17	14

## 4

**Saw Head****Control Box (AC Sawmills)**

16	Screw, M3x8 -4.8- Fe/Zn5 PN-M/82202	F81000-83	6	
17	Washer, 3.2 Flat Zinc	F81050-2	6	
18	Tube, 6mm 4.2 long	R80671-4	6	
19	Boot, Toggle Switch	P02575	3	
20	Washer, 1/2x3/4x1/16 Nylon	P05251-1	3	
21	Meter, Hour	093166	1	
22	Gasket, Hour Meter	093346	1	
23	Bolt, M3x12-8.8 Zinc	F81000-12	2	
24	Nut, M3-6 Hex Nylon Zinc Lock	F81028-2	2	
25	Button, XB4 BS542 Emergency Stop	086556	1	
26	Washer, Emergency Stop Switch	086561	1	
27	Switch, 1992GS Pwr/Feed (Service Package)	E20438	1	
28	Switch, 1992 Up/Down (Service Package)	E20440	1	
29	Cap, DP 812 Heyman 12.7 Dia. Hole	086773	3	
30	Cap, SR1086 22.2 Dia. Hole	093544	1	



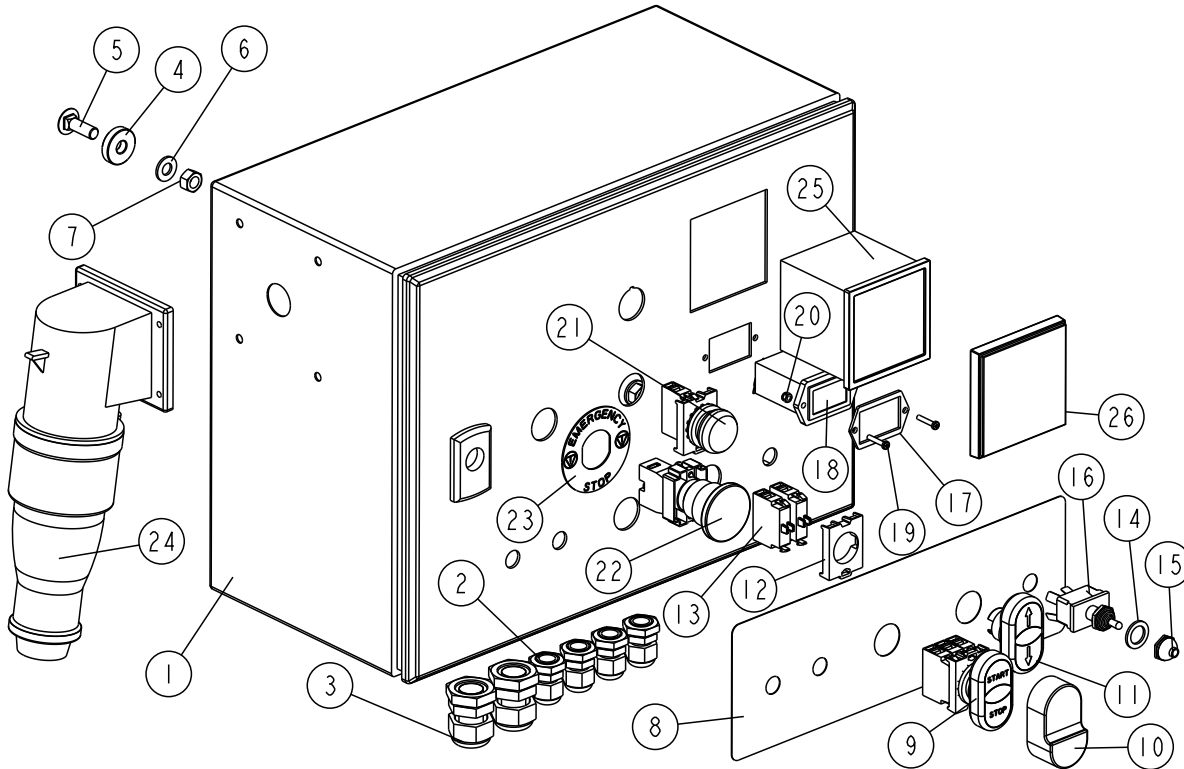
## 4

**Saw Head****Control Box (DC Sawmills)**

17	Bolt, M6x40-8.8Hex Head Full Thread Zinc	F81001-5	1	
18	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	6	
19	Washer, 6.4 Star Lock Zinc	F81053-2	2	
20	Washer, 6.4 Flat Zinc	F81053-1	8	
21	Nut, M6-8-B Hex Nylon Lock Zinc	F81031-2	5	
22	Radiator, Diode	091867	1	
23	Spacer, P3/12	R80671-2	4	
24	Cover Weldment, LT20 Complete	097135-1	1	
25	Bolt, #10-24x1/2 Ph Pan Hd, Type 23	F05015-17	6	
26	Capacitor, 10000/63V Elektrolytic	091166	1	
27	Solenoid, 200A 12V DPST	015417	2	
	Panel, LT20DC Front Complete	097163	1	
28	Panel, LT20/40DC Front	100573-1	1	
29	Decal, LT20DC Control Box Left	099592	1	
30	Decal, LT20AC/DC Control Box Right	099593	1	
31	Switch, Key	P04350	1	
32	Knob, Speed Control	P06257	1	
33	Potentiometer, 1k	E20519	1	
34	Meter, Hour	093166	1	
35	Gasket, Hour Meter	093346	1	
36	Bolt, M3x12-8.8 Zinc	F81000-12	2	
37	Nut, M3-6 Hex Nylon Zinc Lock	F81028-2	2	
38	Switch, SPST On/Off 15A.25 Tabs Toggle	P03027	1	
39	Switch, DPDT Toggle 21A Rev Mom Spade	024200	2	
40	Washer, 1/2x3/4x1/16 Nylon	P05251-1	3	
41	Boot, Toggle Switch	P02575	3	
42	Gasket, LT20 Control Box	097132	1	
43	Bolt, #10-24x1/2 Ph Pan Hd, Type 23	F05015-17	10	
44	Controller, SW-10 Setworks	500628	1	
45	Screw, FH ST 3,5x6,5 A4	F81000-82	6	
46	Washer, 3.2 Flat Zinc	F81050-2	6	
47	Spacer, 4.2x6mm Idler	R80671-4	6	
48	Light, XB6AV5BB Yellow	089812	1	
49	Light, XB6AV4BB Red	091099	2	
50	Light, XB6AV3BB Green	087348	1	
51	Cap, SR1086 22.2 Dia. Hole	093544	1	

## 4.9 Control Box LT20B-ECP

LES\_083  
096726-3ECP\_Manual\_Rev\_AI  
096726-3ECP\_Rev\_AI



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	CONTROL BOX LT20B-ECP	<b>512930</b>	<b>1</b>
1	BOX (300X400X200)	513505	1
2	GROMMET DP9/H	F81096-2	4
3	GROMMET DP16/H	F81096-7	2
4	SPACER, WATER FILTER	088728	4
5	BOLT.M8X25-8.8-FE/ZN5 PN/M-82406 CARRIAGE	F81002-67	4
6	WASHER, 8.4 FLAT ZINC	F81054-1	4
7	NUT, M8 HEXAGON, GRADE 5.8 FREE ZINC	F81032-1	4
8	DECAL, CONTROL BOX LT20B-ECP	512954	1
9	START/STOP SWITCH 24V	090452	1
10	MEMBRANE M22-T-DD	090462	1
11	BUTTON, M22-DD-S-X7/X7	090917	1
12	CONNECTOR, M22-A	100905	1
13	ELEMENT, M22-K10 CONTACT	091362	2
14	WASHER, 1/2X3/4X1/16 NYLON	P05251-1	1
15	BOOT, TOGGLE SWITCH	P02575	1
16	SWITCH, DPDT TOGGLE 21A REV MOM SPADE	024200	1
17	SEAL, METER	093346	1
18	HOUR METER	093166	1
19	SCREW M3X16 5.8-B FE/ZN5, PN-M/82202.	F81028-3	2

## 4

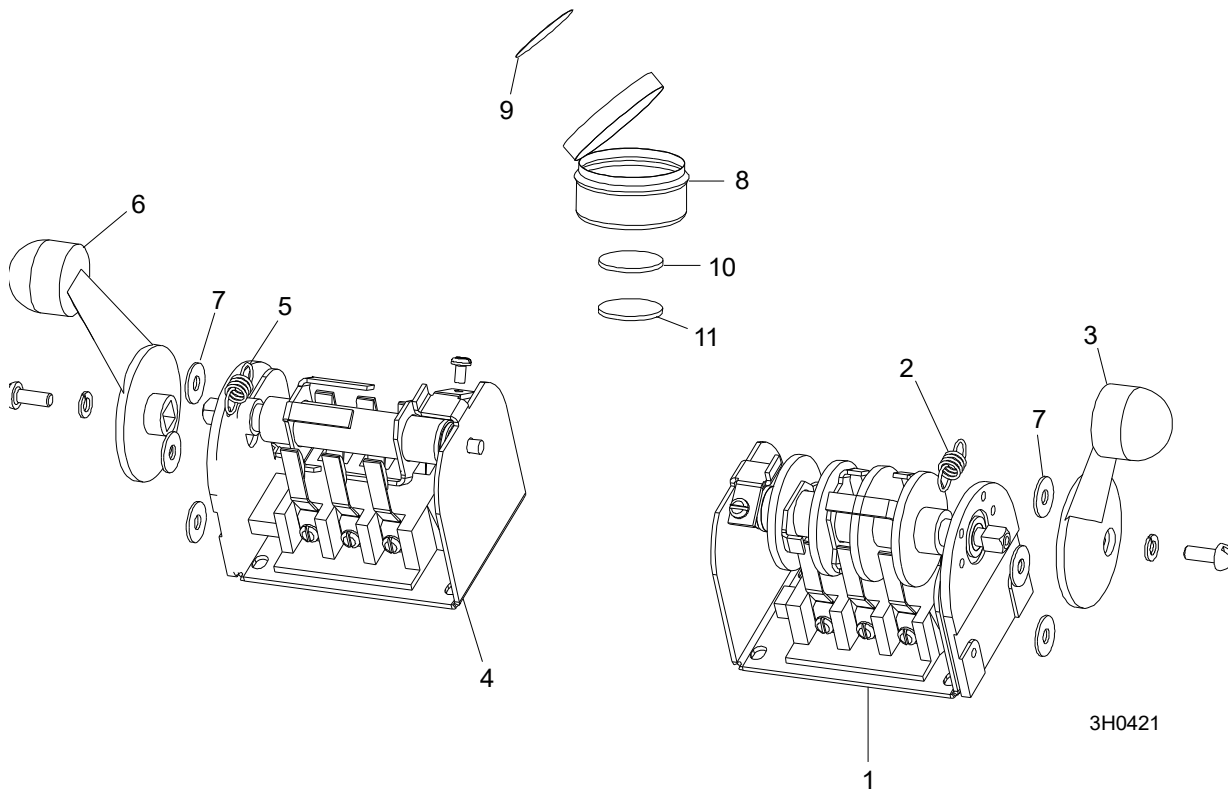
**Saw Head****Control Box LT20B-ECP**

---

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
20	NUT, M3-6-HEX NYLON ZINC LOCK	F81028-2	2	
21	CONTROL LIGHT M22 WHITE-LED 24V	090448	1	
22	SWITCH EMERGENCY XB4 BS542	086556	1	
23	WASHER, EMERGENCY STOP SWITCH	086561	1	
24	PLUG, MAIN W/SWITCH-ADJUSTABLE PHASE GT	E85235	1	
25	AMMETER EQB72 25/50A FOR E15 ELEC. MOTO	505371	1	
26	COVER, IP65 , AMMETER EG72	505389	1	

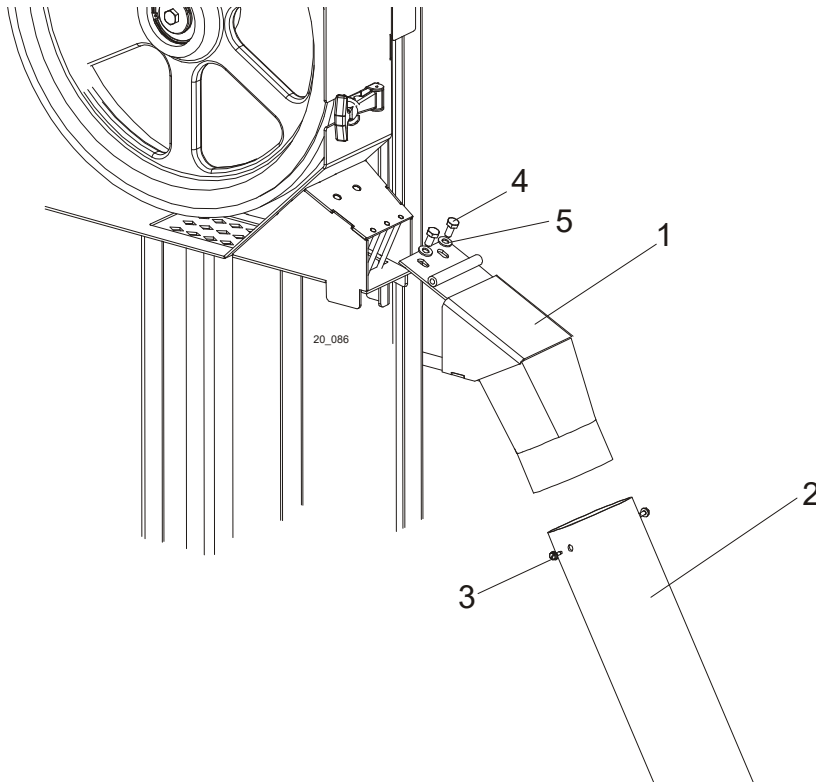


## 4.10 Drum Switches



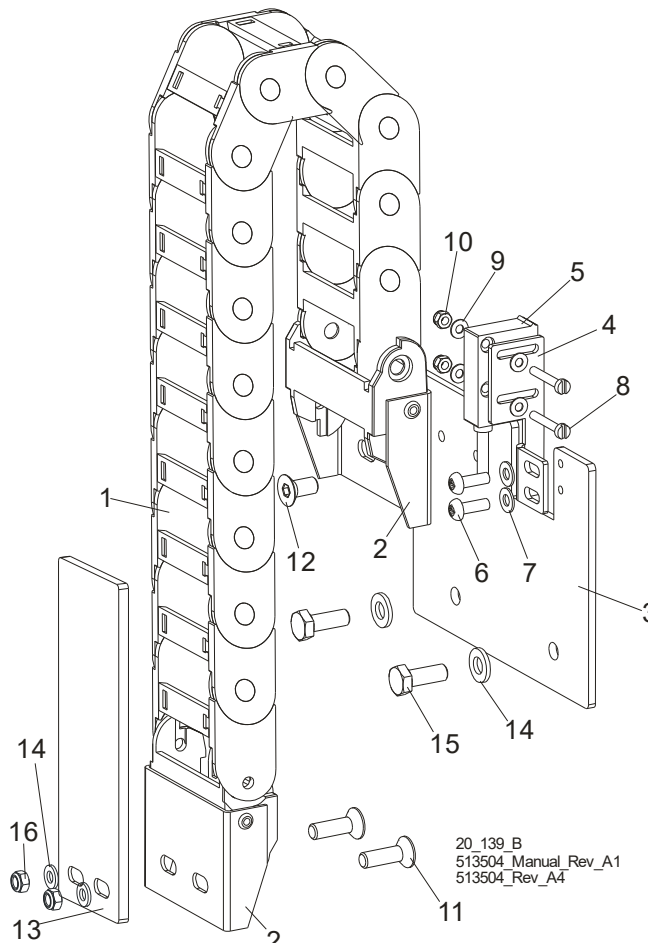
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	<b>SWITCH ASSEMBLY, UP/DOWN DRUM</b>	E20440	1	
1	Switch, Drum	E20440-B	1	◆
2	Spring, Drum Switch	P12570	1	
3	Handle, Drum Switch w/Screws	P12500	1	
	<b>SWITCH ASSEMBLY, POWER FEED DRUM</b>	E20438	1	
4	Switch, Drum	E20438-B	1	◆
5	Spring, Drum Switch	P12570	1	
6	Handle, Drum Switch w/Screws	P12500	1	
7	<b>WASHER, #8 SAE FLAT</b>	F05011-41	6	
	<b>CUP ASSEMBLY, DRUM SWITCH GREASE</b>	A20463	1	
8	Cup, Plastic Container	P20464	1	◆
9	Label, Grease Cup	P20467	1	
10	Pad, Velcro Loop	P20466	1	◆
11	Pad, Velcro Hook	P20465	1	◆
	Grease, Drum Switch	P20468	.011ml	◆

**4.11 Sawdust Chute**



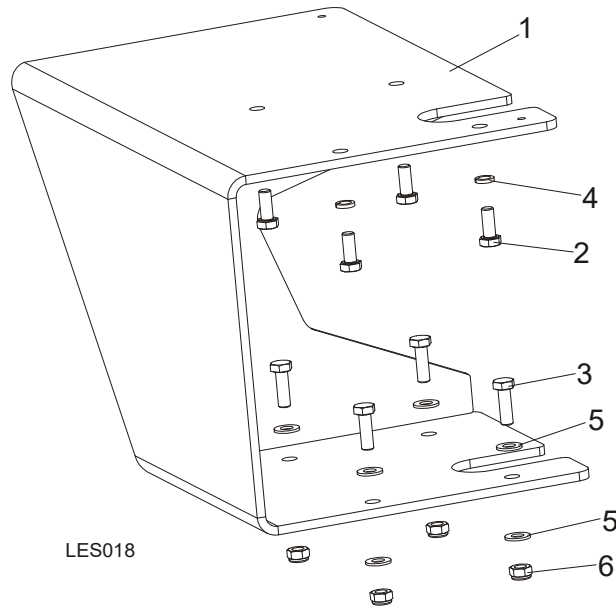
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	CHUTE WELDMENT, SAWDUST	100903-1	1
2	TUBE, SAWDUST CHUTE RUBBER	R02336	1
3	SCREW, #10-24 X 1/2 SELF-TAPPING	F05015-7	2
4	BOLT, M8x16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2
5	WASHER, 8.4 ZINC FLAT	F81054-1	2

## 4.12 Up/Down Cable Chain Assembly



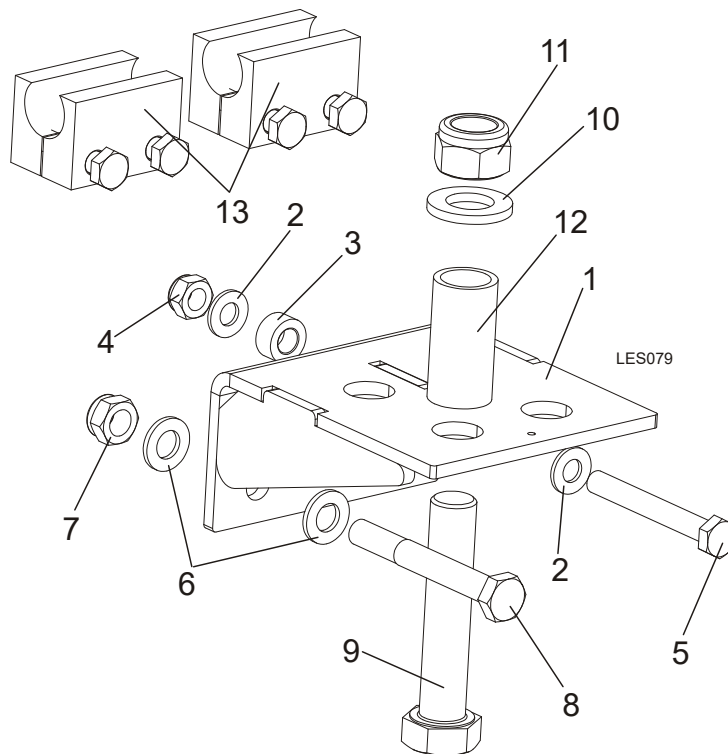
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	Harness Guide, 1450.050.075.0	512944	1
	<b>HARNESS GUIDE AND SENSOR ASSEMBLY</b>	<b>098052</b>	<b>1/0</b>
	<b>HARNESS GUIDE AND SENSOR ASSEMBLY</b>	<b>098052-ECP</b>	<b>0/1</b>
2	Bracket, 14050, 12PZ Mount	512945	1/1
3	Mounting Plate, Harness and Sensor Assy.	096067-1	1/1
4	Bracket, Sensor Mount	096068-1	1/0
5	Sensor, MSK-320	096014	1/0
6	Screw, M4x12-5,8-B Zinc	F81011-43	2/0
7	Washer, 4.3 Zinc	F81051-2	2/2
8	Screw, M3x20-5.8-A Zinc	F81000-8	2/0
9	Washer, 3.2 Zinc	F81050-2	4/0
10	Nut, M3-6 Zinc	F81028-2	2/0
11	SCREW, M6x20-10.9 Fe/Zn5 DIN-7991	F81001-17	2/2
12	BOLT M6x12-10.9 FE/ZN5 DIN7991 TAPER HEAD	F81001-54	2/2
13	Plate, Guide Mount	098662-1	1/0
14	WASHER, M6, FLAT,ZINC	F81053-1	2/4
15	BOLT, M6 x 16 8.8 Fe/Zn5 PN-M/82105	F81001-15	2/2
16	NUT,M6-8-B HEX,NYLON LOCK ZINC	F81031-2	0/2

**4.13 LES Control Box Bracket**



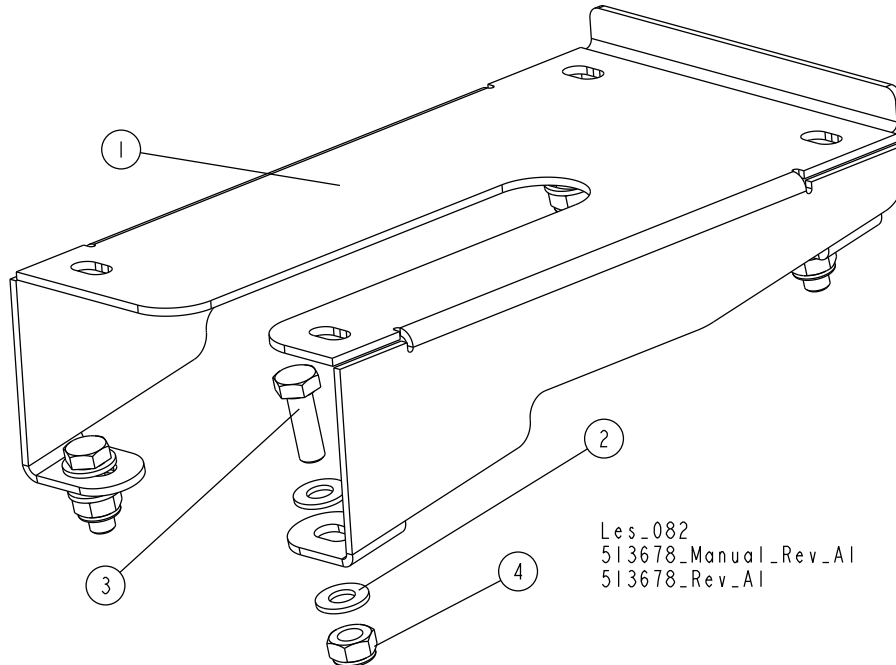
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	<b>BRACKET, LES CONTROL BOX</b>	101178	1	
1	BRACKET, LES CONTROL BOX	100542-1	1	
2	BOLT, M8X20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	4	
3	BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	4	
4	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	4	
5	WASHER, 8.4 FLAT ZINC	F81054-1	8	
6	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	4	

### 4.14 Saw Head Safety Device For LT20B Sawmills



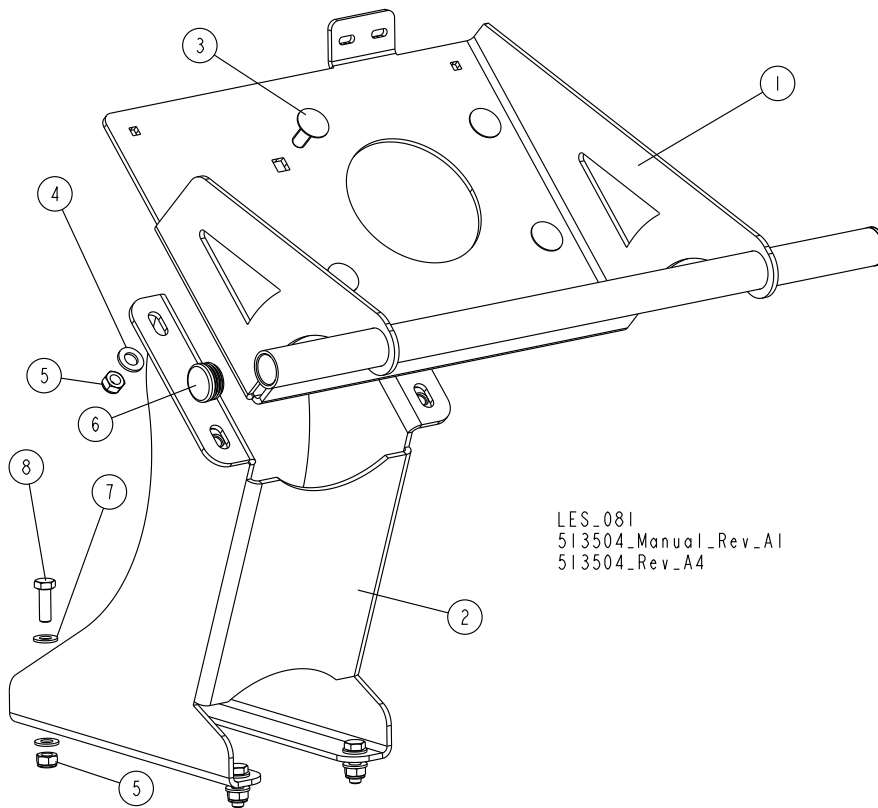
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>SAW HEAD SAFETY DEVICE, LT20B</b>	<b>504326</b>	<b>1</b>
	<b>SAW HEAD SAFETY DEVICE, LT20B</b>	<b>504328</b>	<b>1</b>
1	BRACKET WDMT, SAW HEAD SAFETY PIN PTD	092699-1	1
2	WASHER, 10.5 FLAT ZINC	F81055-1	2
3	BUSHING, ZINC-PLATED SPACER	090936-1	1
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	1
5	BOLT, M10 X 80 -8.8 HEX HEAD ZINC	F81003-50	1
6	WASHER, 13 FLAT ZINC	F81056-1	2
7	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	1
8	BOLT, M12x95 -8.8- HEX HEAD ZINC-PLATED	F81004-29	1
9	BOLT, M20X100-8.8 HEX HEAD ZINC	F81007-6	1
10	WASHER, 21 FLAT ZINC	F81059-2	1
11	NUT, M20-8-A HEX NYLON ZINC LOCK	F81037-2	1
12	BUSHING, SPACER	504327-1	1
13	STOP, CARRIAGE SAFETY PAINTED (UKRAINE)	085973-1	2

## 4.15 Saw Head Transport Bracket, LT20B-ECP



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	SAW HEAD TRANSPORTATION ASSEMBLY	<b>513678</b>	<b>1</b>
1	SPACER, TRANSPORTATION	513625-1	1
2	WASHER, 10.5 FLAT ZINC	F81055-1	8
3	BOLT, M10X30-5.8 HEX HEAD FULL THREAD ZINC	F81003-2	4
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4

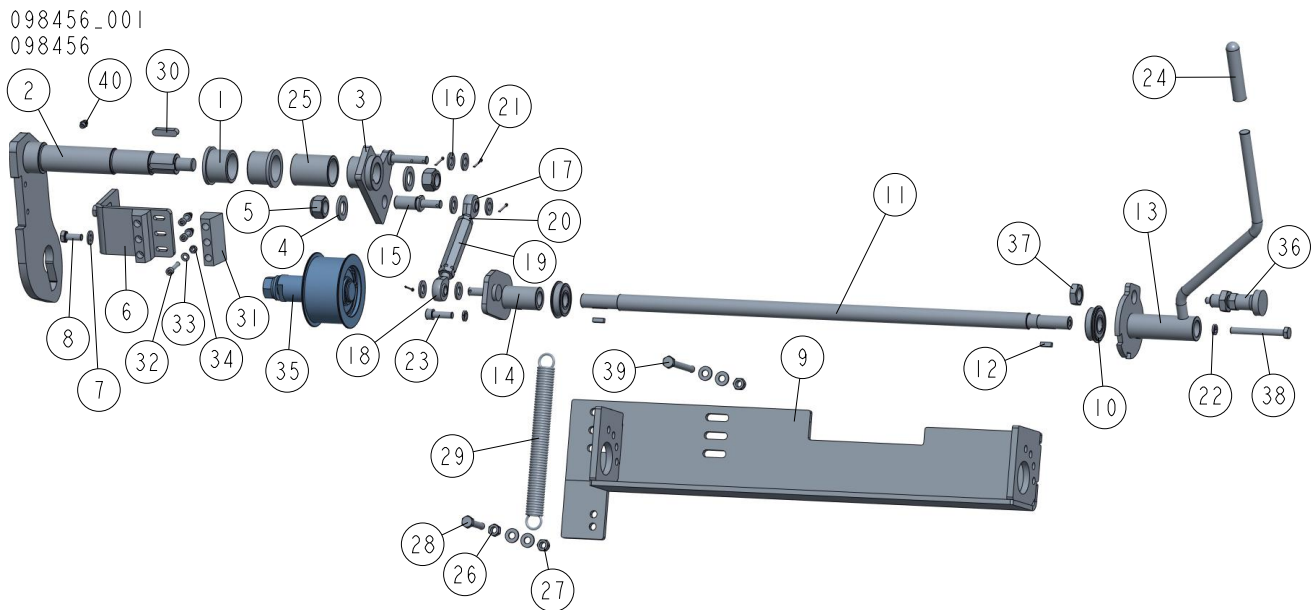
4.16 Control Box Mount Bracket, LT20B-ECP



LES\_081  
513504\_Manual\_Rev\_A1  
513504\_Rev\_A4

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	BRACKET, CONTROL BOX MOUNT - COMPLETE	<b>513246</b>	<b>1</b>
1	BRACKET, CONTROL BOX MOUNT	513247-1	1
2	PLATE, MOUNT BRACKET	513226-1	1
3	BOLT, M12X30 8.8 DIN 603 CARRIAGE ZINC	F81004-61	4
4	WASHER, 13 FLAT ZINC	F81056-1	4
5	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	8
6	CAP, 34 #111065 TUBE BLACK	510440	2
7	WASHER, 10.5 FLAT ZINC	F81055-1	8
8	BOLT, M10X30-5.8 HEX HEAD FULL THREAD ZINC	F81003-2	4

## 4.17 Drive Belt Tensioner 098456

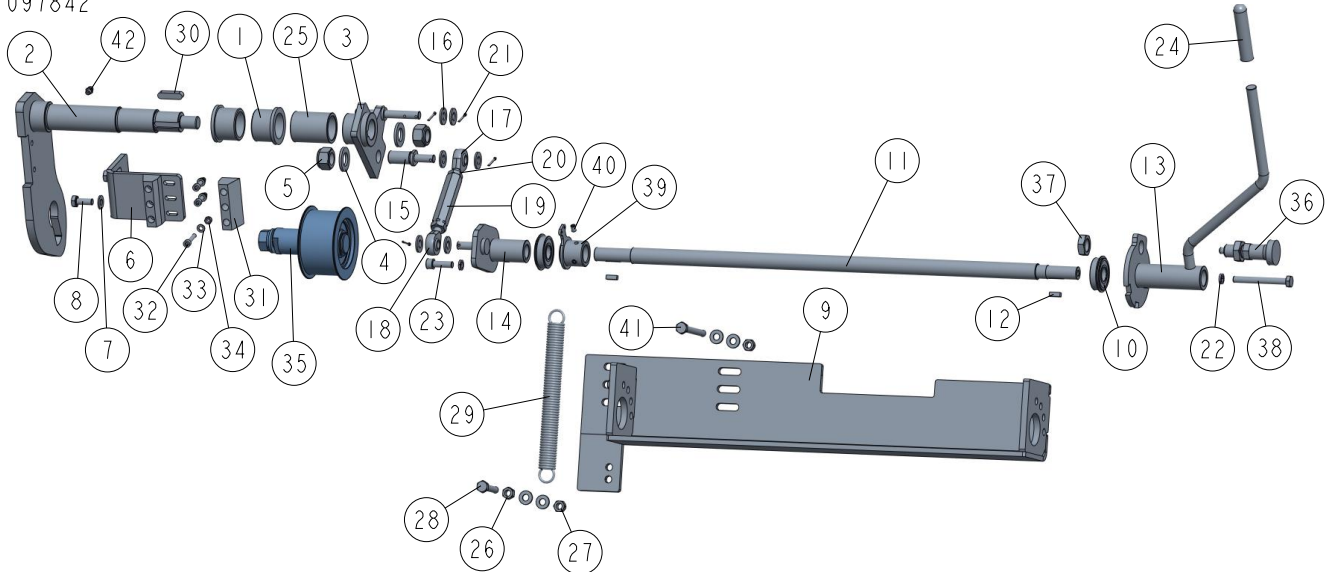


REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY
-	<b>BELT TENSIONER, LT20 COMPLETE, D22</b>	098456	1
1	BUSHING, MFM-3240-30 (IGUS)	088461	2
2	SHAFT WELDMENT, BELT TENSIONER	097828-1	1
3	ARM WELDMENT, BELT TENSIONER	091172-1	1
4	WASHER, 17 SPLIT LOCK ZINC	F81058-1	2
5	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	2
6	BRACKET, BRAKE BLOCK MOUNT PTD	091248-1	1
7	WASHER, 8.4 FLAT ZINC	F81054-1	8
8	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZIN	F81002-4	2
9	MOUNT WELDMENT, BELT TENSIONER	091169-1	1
10	BEARING W/SNAP RING 6203-2RS	086395	2
11	ROD, LT20 BELT TENSIONER	091176-1	1
12	KEY, B 5X5.1X14 PARALLEL	087365	2
13	HANDLE WELDMENT, ACCELERATE/BRAKE	097837-1	1
14	BRACKET, BELT TENSIONER PIVOT	091245-1	1
15	PIN, LT20 ZINC-PLATED SCREW-IN	598033-1	1
16	WASHER, 10.5 FLAT ZINC	F81055-1	6
17	ROD END, SA10	094236	1
18	END, SAL10 ROD THREAD	096431	1
19	TURNBUCKLE	518243-1	1
20	NUT, M10-04-W HEX ZINC THIN	F81033-6	1
21	PIN, 2.5X20 COTTER ZINC	F81043-1	4
22	WASHER 8,2 SPLIT LOCK ZINC	F81054-4	2
23	SCREW, M8X25 -8.8 HEX SOCKET HEAD CAP	F81002-21	1
24	GRIP, HANDLE 1/2" ID X 3" LONG	014835	1
25	BUSHING, SPACER	091351-1	1
26	NUT M8 ZC 8 DIN 934	F81032-1	1
27	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3



REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY	
28	BOLT, M8X45-8.8 HEX HEAD ZINC	F81002-17	1	
29	SPRING, HYDRAULIC LOG TURNER	P09136	1	
30	KEY, A8X7X32 PARALLEL	088564	1	
31	BLOCK, F9150 123 BELT TENSIONER BRAKE	092111	2	
32	SCREW, M5X25 8.8 HEX SOCKET HEAD CAP ZIN	F81000-7	6	
33	WASHER, M5, FLAT ZINC	F81052-1	6	
34	NUT, M5-8 DIN985 ZINC-PLATED	F81030-2	6	
35	ROLLER, TENSION COMPLETE <a href="#">See Section 4.19</a>	509902	1	
36	PIN, DETENT	089939	1	
37	NUT, M16X1.5-08-B ZINC THIN	F81036-6	1	
38	BOLT, M8X70-8.8 HEX HEAD ZINC	F81002-71	1	
39	BOLT, M8X75-8.8 HEX HEAD ZINC	F81002-91	2	
40	FITTING, M6 GREASE	086280	1	

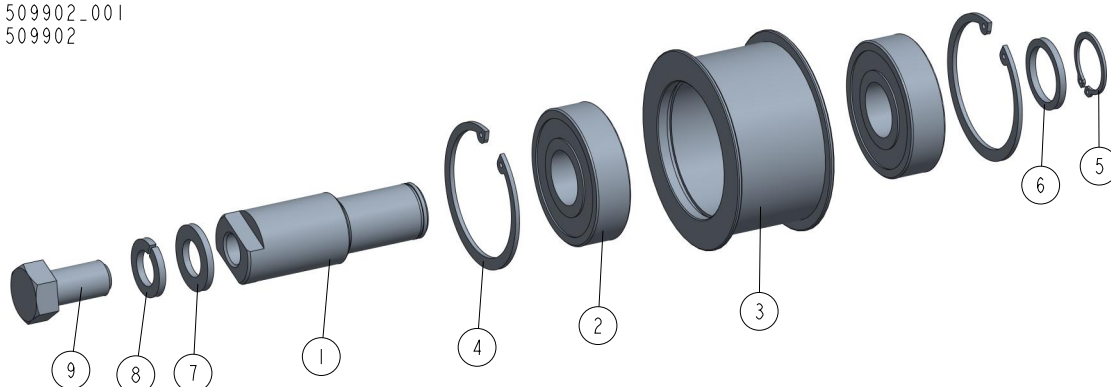
## 4.18 Drive Belt Tensioner 097842

097842\_001  
097842

REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY
-	<b>BELT TENSIONER, LT20 COMPLETE, G25</b>	097842	1
1	BUSHING, MFM-3240-30 (IGUS)	088461	2
2	SHAFT WELDMENT, BELT TENSIONER	097828-1	1
3	ARM WELDMENT, BELT TENSIONER	091172-1	1
4	WASHER, 17 SPLIT LOCK ZINC	F81058-1	2
5	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	2
6	BRACKET, BRAKE BLOCK MOUNT PTD	091248-1	1
7	WASHER, 8.4 FLAT ZINC	F81054-1	8
8	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZIN	F81002-4	2
9	MOUNT WELDMENT, BELT TENSIONER	091169-1	1
10	BEARING W/SNAP RING 6203-2RS	086395	2
11	ROD, LT20 BELT TENSIONER	091176-1	1
12	KEY, B 5X5.1X14 PARALLEL	087365	2
13	HANDLE WELDMENT, ACCELERATE/BRAKE	097837-1	1
14	BRACKET, BELT TENSIONER PIVOT	091245-1	1
15	PIN, LT20 ZINC-PLATED SCREW-IN	598033-1	1
16	WASHER, 10.5 FLAT ZINC	F81055-1	6
17	ROD END, SA10	094236	1
18	END, SAL10 ROD THREAD	096431	1
19	TURNBUCKLE	518243-1	1
20	NUT, M10-04-W HEX ZINC THIN	F81033-6	1
21	PIN, 2.5X20 COTTER ZINC	F81043-1	4
22	WASHER 8,2 SPLIT LOCK ZINC	F81054-4	2
23	SCREW, M8X25 -8.8 HEX SOCKET HEAD CAP	F81002-21	1
24	GRIP, HANDLE 1/2" ID X 3" LONG	014835	1
25	BUSHING, SPACER	091351-1	1
26	NUT M8 ZC 8 DIN 934	F81032-1	1
27	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3

REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY	
28	BOLT, M8X45-8.8 HEX HEAD ZINC	F81002-17	1	
29	SPRING, HYDRAULIC LOG TURNER	P09136	1	
30	KEY, A8X7X32 PARALLEL	088564	1	
31	BLOCK, F9150 123 BELT TENSIONER BRAKE	092111	2	
32	SCREW, M5X25 8.8 HEX SOCKET HEAD CAP ZIN	F81000-7	6	
33	WASHER, M5, FLAT ZINC	F81052-1	6	
34	NUT, M5-8 DIN985 ZINC-PLATED	F81030-2	6	
35	ROLLER, TENSION COMPLETE <a href="#">See Section 4.19</a>	509902	1	
36	PIN, DETENT	089939	1	
37	NUT, M16X1.5-08-B ZINC THIN	F81036-6	1	
38	BOLT, M8X70-8.8 HEX HEAD ZINC	F81002-71	1	
39	TENSION MEMBER, (G25 ENGINE ONLY)	092535-1	1	
40	SCREW, M6 X 8 BLACK OXIDE SOCKET HEAD SE	F81013-1	2	
41	BOLT, M8X75-8.8 HEX HEAD ZINC	F81002-91	2	
42	FITTING, M6 GREASE	086280	1	

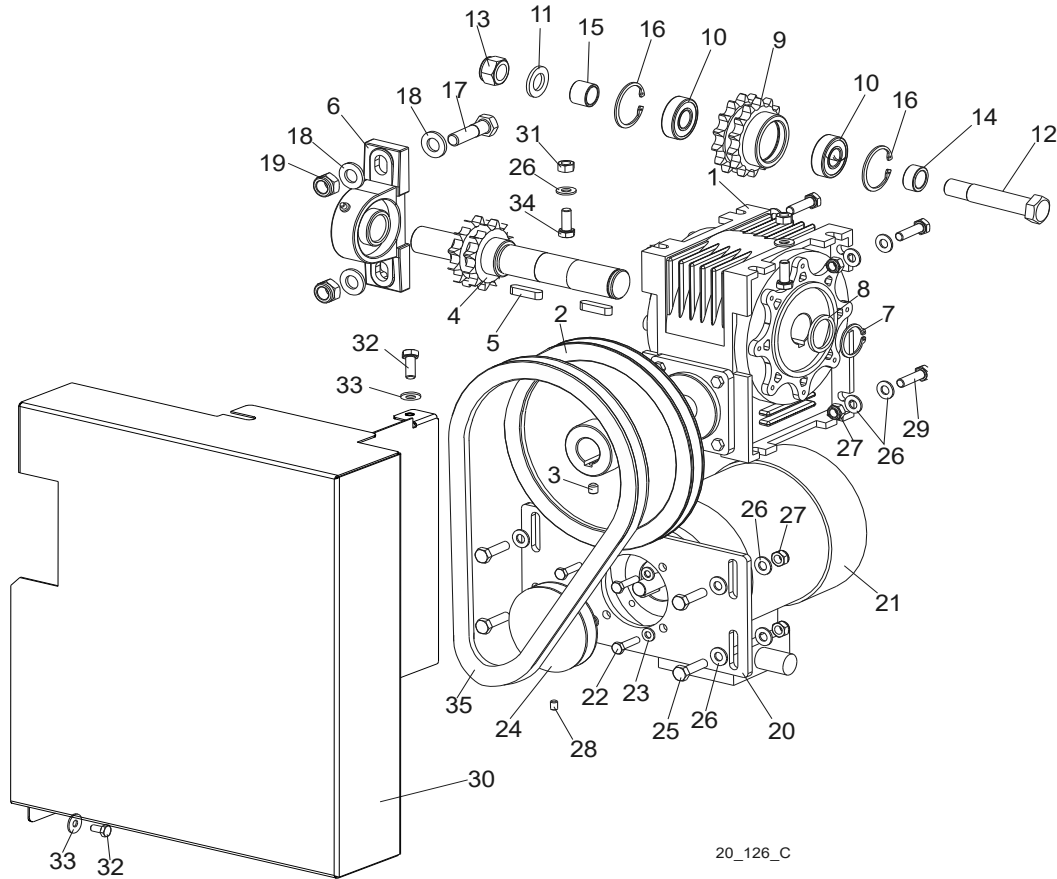
## 4.19 Tension Roller 509902

509902\_001  
509902

REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY
-	<b>ROLLER, TENSION COMPLETE</b>	509902	1
1	AXLE, BELT TENSION WHEEL ZINC	509901-1	1
2	BEARING, 6305 2RS NSK.	P08066	2
3	WHEEL, LT15 BELT TENSION ZINC	087671-1	1
4	RING, 62W INSIDE RETAINING	F81090-1	2
5	RING, 25Z OUTSIDE RETAINING	F81090-22	1
6	WASHER, DRIVE ASSY, ZINC-PLATED	500863-1	1
7	WASHER, 17 SPLIT LOCK ZINC	F81058-1	1
8	WASHER, 17 SPLIT LOCK	F81058-2	1
9	BOLT, M16X30-8.8 HEX HEAD FULL THREAD ZI	F81006-36	1

## SECTION 5 UP/DOWN ASSEMBLY

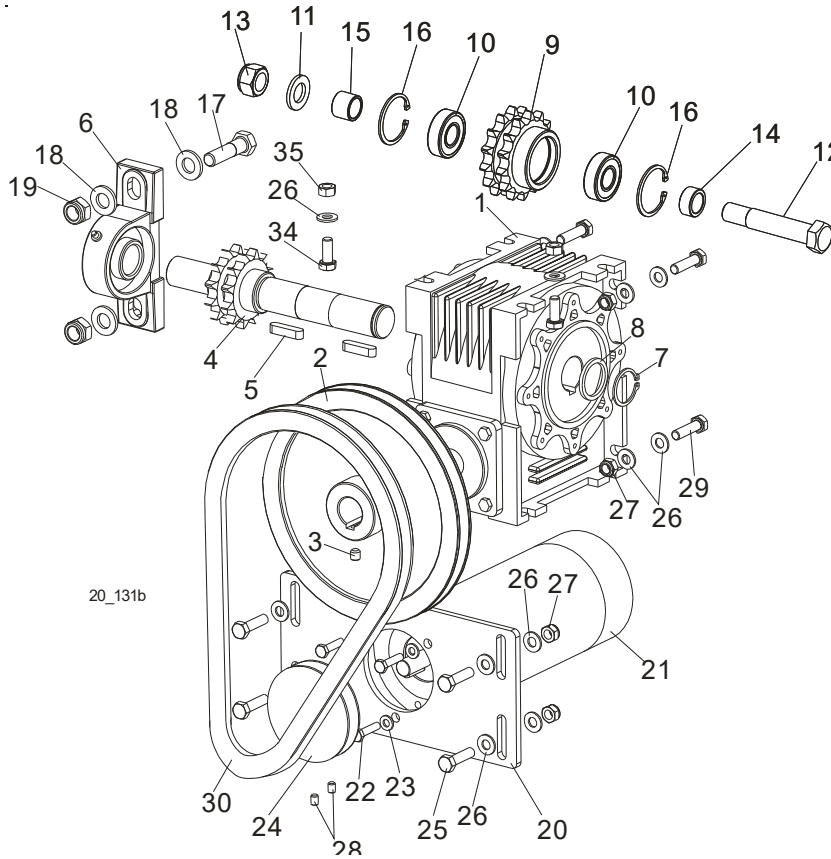
### 5.1 Up/Down Assembly, AC Mills



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	<b>MOTOR ASSEMBLY, LT20 AC UP/DOWN</b>	098300	1	◆
	Motor Assembly, LT20 Up/Down	098299	1	
1	Box, R-63/66/F1/B3 Gear	097786	1	
2	Pulley, LT20	091078-1	1	
3	Screw, M8x8-33H Hex Socket Set Flat Point	F81014-1	1	
4	Shaft, LT20 Up/Down w/Sprocket	512249-1	1	
5	Key, A8x7x32 Parallel	088564	2	
6	Bearing Assembly, UCP 205CX	088468	1	
7	Ring, Z28 Outside Retaining	F81090-12	1	
8	Washer	098351	1	
	<b>Sprocket Assembly</b>	<b>512276</b>	<b>2</b>	
9	Sprocket, ULMER T08260	512247-1	1	
10	Spacer, Drive Bearing	098166	2	
11	Washer, M16 Flat Zinc	F81058-1	2	
12	Pin, Up/Down Drive Shaft	098289-1	1	
13	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	1	

14	BUSHING, D42 BELT TENSIONER SPACER ZINC-PL.	087965-1	1	
15	BUSHING, UP/DOWN SPROCKET SPACER ZINC-PL.	088792-1	1	
16	RING, W40 INSIDE RETAINING	F81090-3	2	
17	Bolt, M12x45-8.8 Hex Head Zinc	F81004-32	2	
18	Washer, 13 Flat Zinc	F81056-1	4	
19	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	2	
	<b>Motor Assembly, LT20 AC Up/Down</b>	<b>091302</b>	<b>1</b>	
20	Plate, LT20AC Up/Down Motor Mount	098355-1	1	
21	Motor, SKh 71- 4B2 RAL 9005	091304	1	
22	Bolt, M6x25-5.8 Hex Head Full Thread Zinc	F81001-3	4	
23	Washer, 6.4 Flat Zinc	F81053-1	4	
24	Pulley, LT20 Power Feed Gear Box	090699-1	1	
25	Bolt, M8x30-5.8 Hex Head Full Thread Zinc	F81002-2	4	
26	Washer, 8.4 Flat Zinc	F81054-1	18	
27	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	8	
28	Screw, M6x8 Hex Socket Set Flat Point Zinc	F81013-1	1	
29	Bolt, M8x30-8.8-B Hex Head Full Thread Zinc	F81002-7	4	
30	Guard, Up/Down Front	517500-1	1	
31	Nut, M8-8-B Hex Zinc	F81032-1	2	
32	Bolt, M6x12-8.8 Hex Head Full Thread Zinc	F81001-7	2	
33	Washer, 6.5 Special Flat Zinc	F81053-11	2	
34	Bolt, M8x20-5.8 Hex Head Full Thread Zinc	F81002-1	2	
35	V-Belt, HA-800 (Kleberg)	091086	1	

## 5.2 Up/Down Assembly, DC Mills

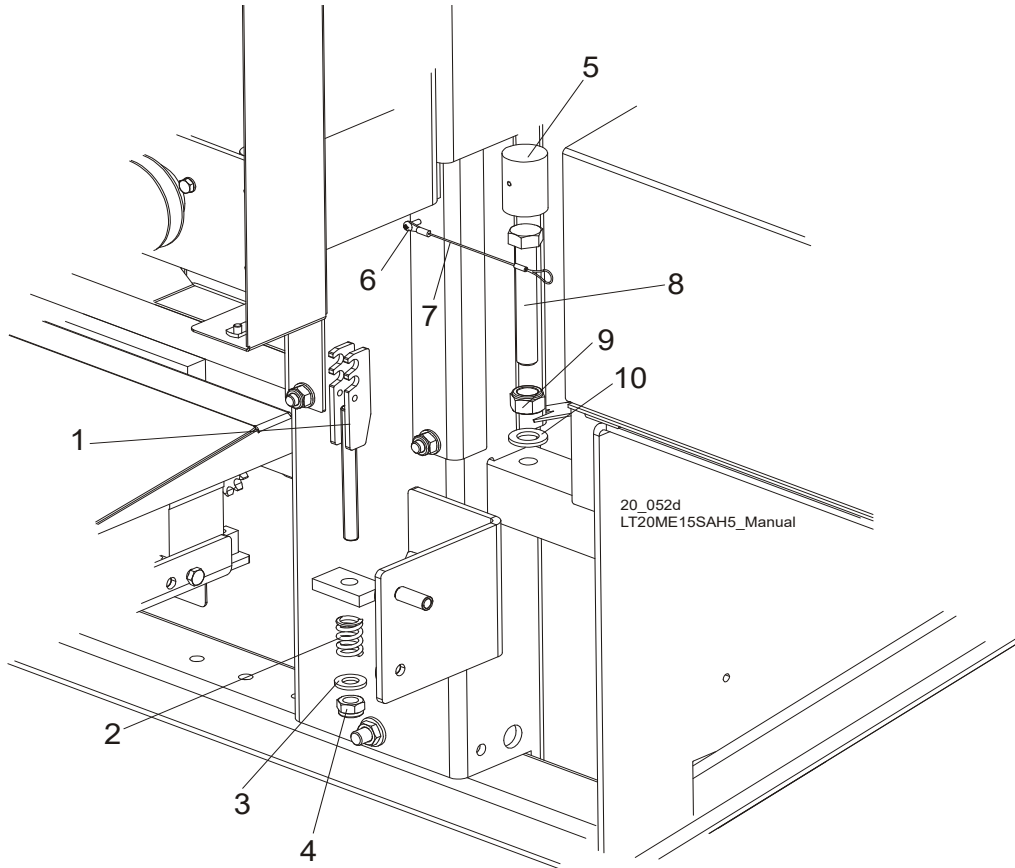


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	<b>MOTOR ASSEMBLY, LT20 DC UP/DOWN</b>	098346	1	◆
	<b>Motor Assembly, LT20 Up/Down</b>	<b>098299</b>	<b>1</b>	
1	Box, R-63/66/F1/B3 Gear	097786	1	
2	Pulley, LT20	091078-1	1	
3	Screw, M8x8-33H Hex Socket Set Flat Point	F81014-1	1	
4	Shaft, LT20 Up/Down w/Sprocket	512249-1	1	
5	Key, A8x7x32 Parallel	088564	2	
6	Bearing Assembly, UCP 205CX	088468	1	
7	Ring, Z28 Outside Retaining	F81090-12	1	
8	Washer	098351	1	
	<b>Sprocket Assembly</b>	<b>512276</b>	<b>2</b>	
9	Sprocket, ULMER T08260	512247-1	1	
10	Spacer, Drive Bearing	098166	2	
11	Washer, 17 Flat Zinc	F81058-1	2	
12	Pin, Up/Down Drive Shaft	098289-1	1	
13	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	1	
14	Bushing, D42 Belt Tensioner Spacer Zinc-pl.	087965-1	1	
15	Bushing, Up/down Sprocket Spacer Zinc-pl.	088792-1	1	
16	Ring, W40 Inside Retaining	F81090-3	2	
17	Bolt, M12x45-8.8 Hex Head Zinc	F81004-32	2	

18	Washer, 13 Flat Zinc	F81056-1	4	
19	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	2	
	Motor Assembly, LT20 DC Up/Down	091303	1	
20	Plate, LT20 DC Up/Down Motor Mount	098363-1	1	
21	Motor, 0.5HP 12V DC Up/Down & Power Feed	006747	1	
	Brush Kit, 0.5/0.75HP 12VDC	061794		
22	Bolt, M6x25 -5.8 Hex Head Full Thread Zinc	F05005-1	3	
23	Washer, 6.4 Flat Zinc	F81053-1	3	
24	Pulley, "A" SR. 82/12.7	093158-1	1	
25	Bolt, M8x30-5.8 Hex Head Full Thread Zinc	F81002-2	4	
26	Washer, 8.4 Flat Zinc	F81054-1	18	
27	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	8	
28	Screw, M6x8 Hex Socket Set Flat Point Zinc	F81013-1	2	
29	Bolt, M8x30-8.8-B Hex Head Full Thread Zinc	F81002-7	4	
30	V-Belt, HA-800 (Kleberg)	091086	1	

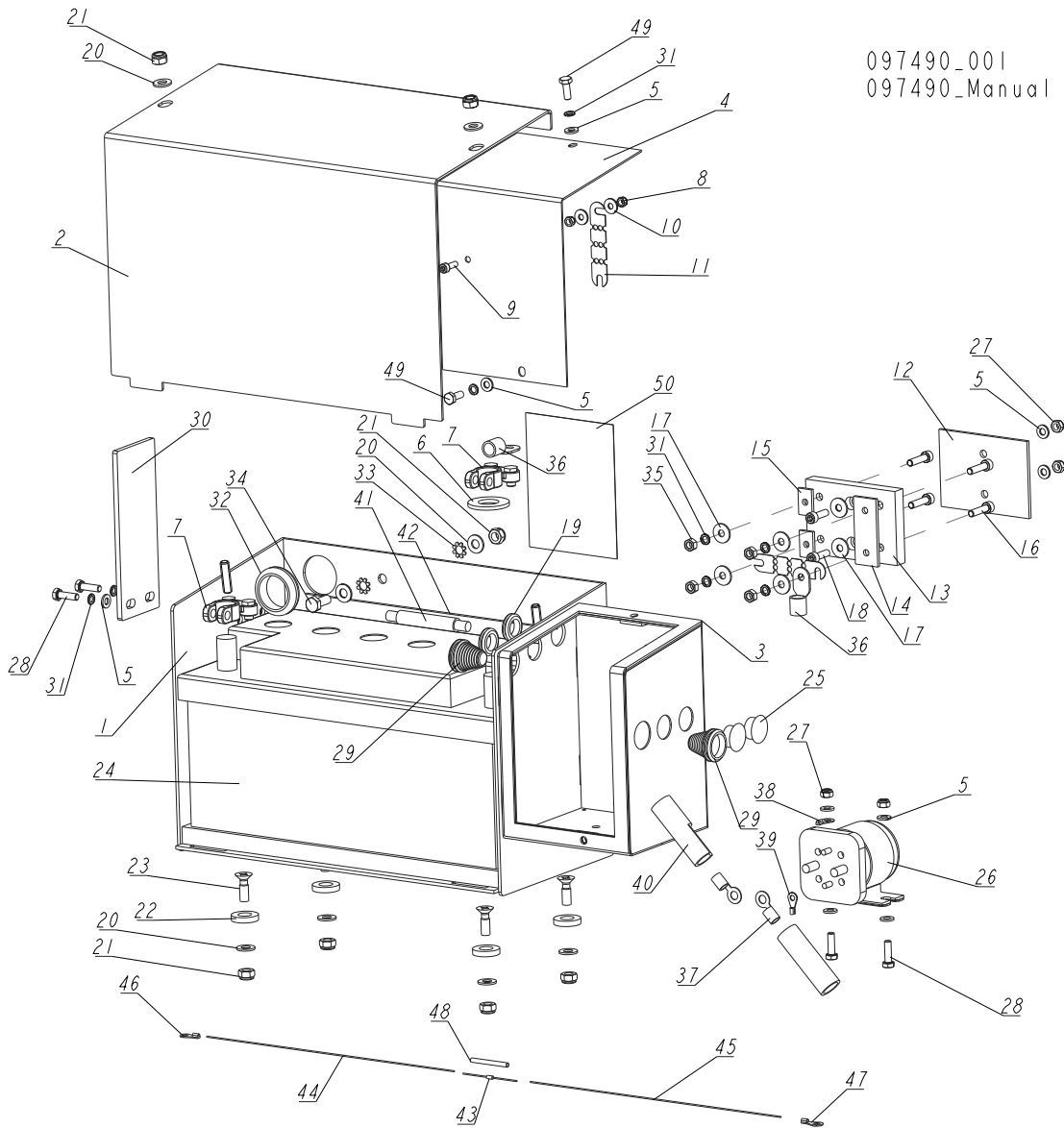


### 5.3 Up/Down Chain Tensioner Assembly



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	<b>TENSIONER WELDMENT, LT20 UP/DOWN CHAIN ZINC-PLATED</b>	512259-1	1
2	<b>SPRING, 14 X 30 X 3.2</b>	090797	1
3	<b>WASHER, 13 ZINC FLAT</b>	F81056-1	1
4	<b>NUT, M12-8 HEX NYLON ZINC LOCK</b>	F81034-2	1
	<b>BLOCK, HEAD SUPPORTING, COMPLETE</b>	097775	1
5	Block, Head Support	097771-1	1
6	Screw, M4x12-5.8-B Cross Recessed Pan Head Zinc	F81011-43	1
7	Lanyard, 3/64 x 6	016030	1
8	<b>BOLT, M16X110-8.8 HEX HEAD ZINC</b>	F81006-24	1
9	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	1
10	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	1
	<b>CHAIN, LT20 UP/DOWN TYPE 10B-2-111 LINKS</b>	512641	1

**5.4 Battery Box Assembly (DC Sawmills)**

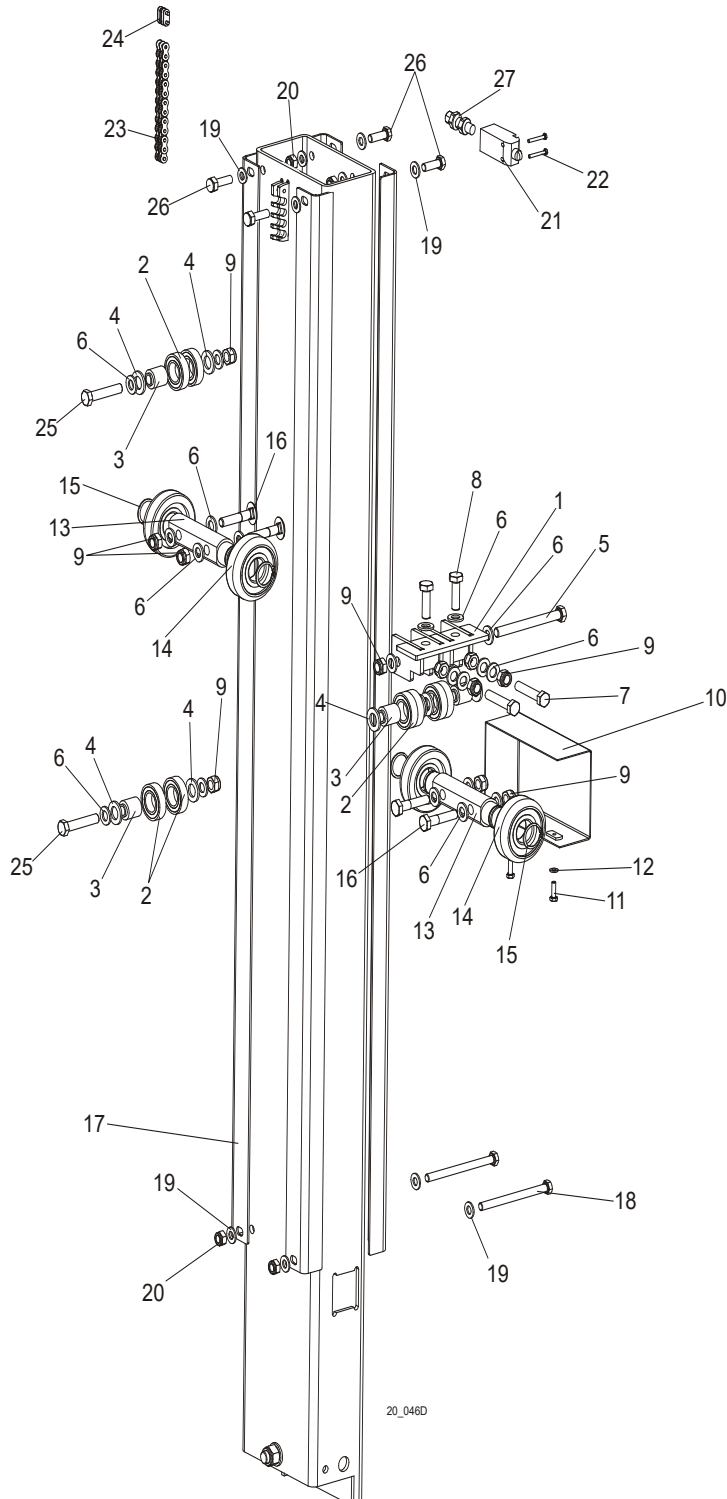


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>BATTERY BOX, T20 B/H - COMPLETE</b>	<b>097490</b>	<b>1</b>
1	BOX, BATTERY	097486-1	1
2	LID, BATTERY BOX	097489-1	1
3	GASKET, FUSE BOX	092226	1
4	LID, FUSE BOX	092222-1	1
5	WASHER, 6.4 FLAT ZINC	F81053-1	10
6	WASHER, FELT BATTERY TERMINAL	P12161	1
7	TERMINAL, BATTERY	P05085	2
8	NUT, M5-8 DIN985 ZINC-PLATED	F81030-2	2
9	SCREW, M5X16-8.8 HEX SOCKET HEAD CAP ZINC	F81000-25	1
10	WASHER, 5.5 SPECIAL FLAT ZINC	F81052-3	2
11	FUSE, 150A 12V LINK	023361	2

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
12	PLATE, 3MM PLASTIC FUSE BOX	585483	1	
	<b>BLOCK, RELAY</b>	<b>585482</b>	<b>1</b>	
13	BLOCK, FUSE MOUNT	585484	1	
14	PLATE 64X25	585486	1	
15	PLATE 15X25	585485	2	
16	SCREW, M6X25-8.8 HEX SOCKET HEAD CAP ZINC	F81001-41	4	
17	WASHER, 6.5 SPECIAL FLAT ZINC	F81053-11	6	
18	SCREW, M6X20 8.8 HEX SOCKET HEAD CAP ZINC	F81001-22	2	
19	GROMMET, 5/8 ID RUBBER	P11764	2	
20	WASHER, 8.4 FLAT ZINC	F81054-1	8	
21	NUT, M8 8 HEX NYLON ZINC LOCK	F81032-2	7	
22	BUSHING, 12.6 HOLE 5MM LONG SPACER	R80671-5	4	
23	SCREW, M8X25-5.8 CROSS RECESSED COUNTERSUNK HEAD ZINC	F81002-51	4	
24	BATTERY, "BANNER" 12V100AH	088323	1	
25	CAP, SR1086 22.2 HOLE	093544	2	
26	SOLENOID, 200A 12V SPST CONT. DUTY	015470	1	
27	NUT, M6-8-B HEX NYLON ZINC LOCK	F81031-2	4	
28	BOLT, M6X20 8.8 HEX HEAD FULL THREAD ZINC	F81001-2	4	
29	GROMMET, 1709 (26/3/10-22) STEPPED	098816	2	
30	PLATE, GUIDE	098662-1	1	
31	WASHER, Z 6.1 SPLIT LOCK ZINC	F81053-3	8	
32	GROMMET, PVC 32/38 BL.3MM	500663	1	
33	WASHER, 8.4 EXTERIOR STAR LOCK ZINC	F81054-3	2	
34	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC	F81002-4	1	
35	NUT, M6 8 HEX ZINC	F81031-1	4	
36	TERMINAL, KO50/6 RING	F81067-4	2	
37	TERMINAL, K050/8 RING	F81067-2	2	
38	TERMINAL, KO 2.5/6 RING	F81064-13	1	
39	TERMINAL, KO 2.5/5 RING	F81064-1	1	
40	BOOT, 5/8 BLACK BATTERY TERMINAL	S11947	2	
41	CABLE, H07V-K BK 1X50	R80591-1	1	
42	CABLE, H05V-K 1X1MM2 BK BLACK	R80583-21	1	
	<b>DIODE, INDUCTIVE KICK PROTECTION - COMPLETE</b>	<b>087496</b>	<b>1</b>	
43	DIODE, 1N4007	087497	1	
44	CABLE, H05V-K 1X1MM2 RD RED	R80583-2	1	
45	CABLE, H05V-K 1X1MM2 BK BLACK	R80583-21	1	
46	TERMINAL, KO 2.5/5 RING	F81064-1	1	
47	TERMINAL, 2.5/6 RING	F81064-13	1	
48	TUBING, RC4/1 BLACK HEAT SHRINK	R80600-5	1	
49	BOLT, M6X16-8.8 HEX HEAD FULL THREAD ZINC	F81001-15	2	
50	DECAL, FUSE LINK 150A ID	015369	1	

## SECTION 6 UP/DOWN ROLLERS & BLADE HEIGHT SCALE

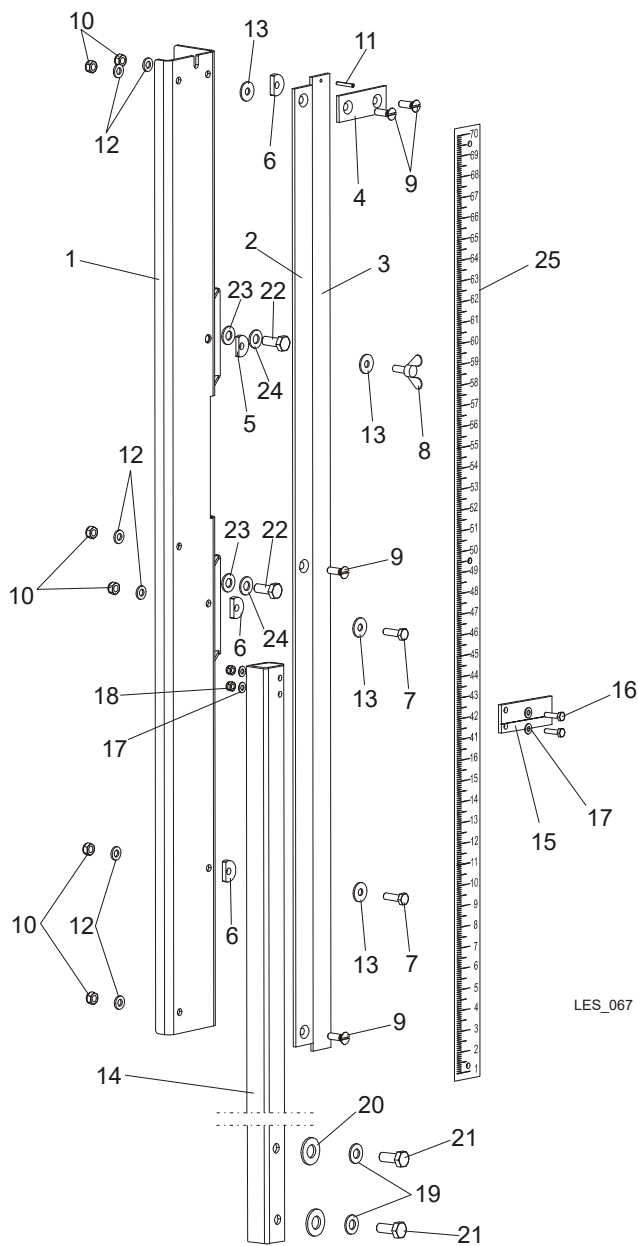
### 6.1 Up/Down Rollers



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	BRACKET WELDMENT, LT20 UP/DOWN ROLLER PTD	091095-1	1

2	BEARING, 6005 2RSH SKF	550540	8	
3	BUSHING, LT20 UP/DOWN ROLLER	090790	4	
4	WASHER, 17 ZINC FLAT	F81058-1	10	
5	BOLT, M12 X 120 8.8 HEX HEAD ZINC	F81004-38	1	
6	WASHER, 13 ZINC FLAT	F81056-1	20	
7	BOLT, M12 X 60-8.8 HEX HEAD FULL THREAD ZINC	F81004-51	2	
8	BOLT, M12 X 40-8.8 HEX HEAD FULL THREAD ZINC	F81004-4	2	
9	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	11	
10	GUARD, LT20 UP/DOWN ROLLERS PTD	091619-1	1	
11	BOLT, M6 X 20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	2	
12	WASHER, 6.4 ZINC FLAT	F81053-1	2	
13	SHAFT, UP/DOWN ROLLER ZINC-PLATED	090616-1	2	
14	ROLLER, CBK-468	088433	4	
15	RING, Z30 SPRING RETAINING	F81090-23	4	
16	BOLT, M12 X 55-8.8 HEX HEAD FULL THREAD ZINC	F81004-43	4	
17	ANGLE, LT20 MAST TUBE	091182	4	
18	BOLT, M10 X 125-8.8 HEX HEAD ZINC	F81003-18	2	
19	WASHER, 10.5 ZINC FLAT	F81055-1	22	
20	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	10	
21	SWITCH, GLCB01C LIMIT	100910	1	
22	BOLT, M4 X 30 8.8 HEX HEAD FULL THREAD ZINC	F81011-5	2	
23	CHAIN, LT20 UP/DOWN TYPE 10B-2-111 LINKS	512641	1	
24	LINK, 10B-2Pz	088673	1	
25	BOLT, M12X60-8.8 HEX HEAD ZINC	F81004-5	2	
26	BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC	F81003-11	4	

**6.2 Blade Height Scale**



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>SCALE, LT20B SPECIAL W/INDICATOR COMPLETE</b>	503050	1
	SCALE, LT20B SPECIAL COMPLETE	503046	1
1	BRACKET, SCALE MOUNT PTD	503047-1	1
2	BAR, SCALE	092750	1
3	BAR, INCH SCALE	093133	1
4	BAR, SCALE MOUNT	093134	1
5	WASHER, 6.2X20X3.5 SPECIAL	503096	1
6	WASHER, 6.2X20X4.5 SPECIAL	503098	3
7	BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	2

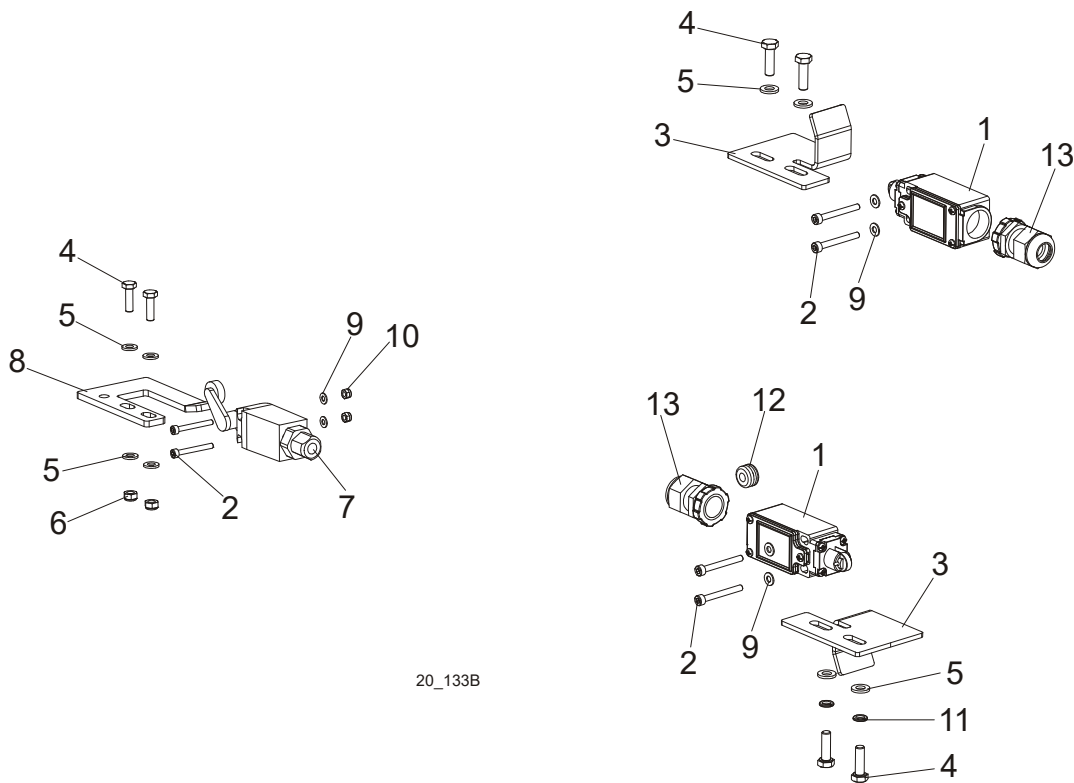
# Up/Down Rollers & Blade Height Scale

## *Blade Height Scale*

6

8	BOLT, M6X16 BN276	F81001-16	1	
9	SCREW, M6X20-4.8-B FE/ZN5 PN-85/M-82207	F81001-31	4	
10	NUT, M6-8-B HEX NYLON LOCK ZINC	F81031-2	6	
11	PIN, 3X20 ROLL ZINC	F81044-5	1	
12	WASHER, 6.4 FLAT ZINC	F81053-1	9	
13	WASHER, 6.5 SPECIAL FLAT ZINC	F81053-11	2	
	INDICATOR, LT20B CUTTING HEIGHT SPECIAL COMPLETE	503095	1	
14	BRACKET, SCALE INDICATOR MOUNT PTD	503049-1	1	
15	INDICATOR, BLADE HEIGHT SCALE	094821	1	
16	BOLT, M5x16-8.8 HEX HEAD ZINC	F81000-20	2	
17	WASHER, 5.3 FLAT ZINC	F81052-1	4	
18	NUT, M5-8-Fe/Zn5 DIN985	F81030-2	2	
19	WASHER, 8.4 FLAT ZINC	F81054-1	2	
20	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2	
21	BOLT, M8 X 45 - 8.8 HEX HEAD FULL THREAD ZINC	F81002-14	2	
22	BOLT, M8 X 20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	2	
23	WASHER, 8.5 SPECIAL ZINC	F81054-11	2	
24	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2	
25	<b>DECAL, LT20 0-80CM METRIC SCALE</b>	091239	1	
	<b>DECAL, 45-63MM METRIC</b>	P12040-2	1	
	<b>DECAL, 16-40MM METRIC</b>	P12040-1	1	

**6.3 Limit Switches**

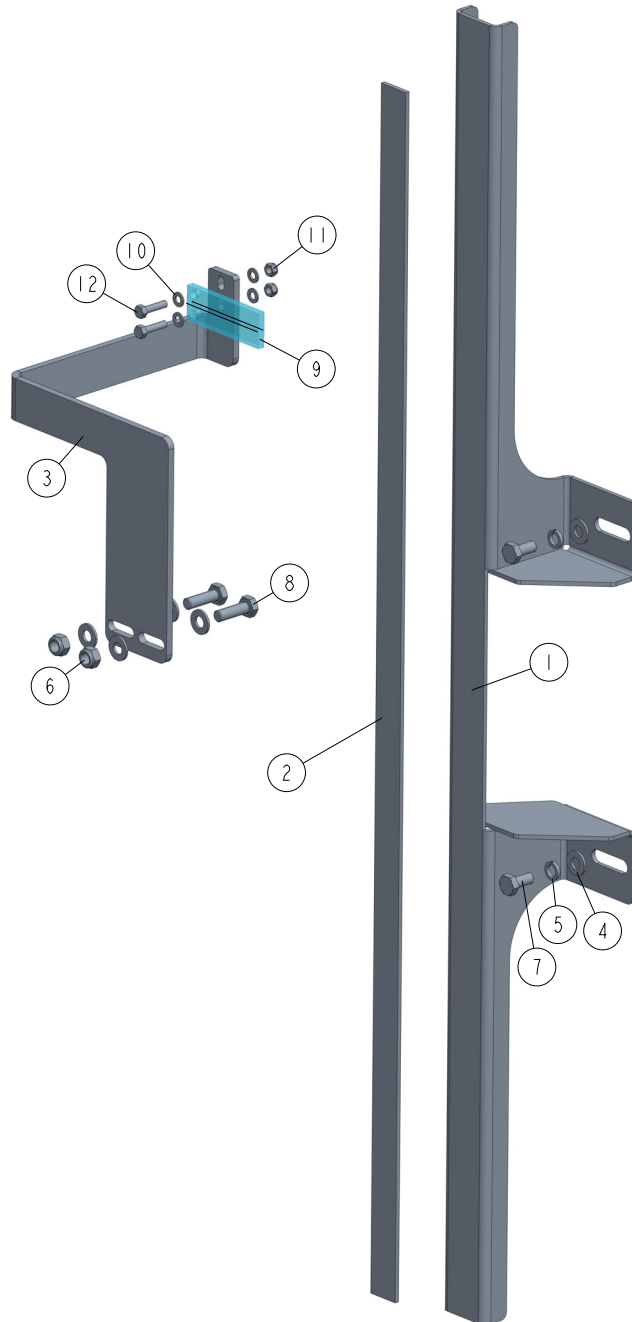


20\_133B

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	SWITCH, GLCB01C LIMIT	100910	2
2	SCREW, M4x35-8.8 HEX SOCKET HEAD CAP ZINC	F81011-34	6
3	BRACKET, LIMIT SWITCH	091682-1	2
4	BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	6
5	WASHER, 6.4 FLAT ZINC	F81053-1	8
6	NUT, M6-8-B HEX NYLON ZINC LOCK	F81031-2	2
7	SWITCH, GLCB01A1B LIMIT	100931	1
8	BRACKET, LIMIT SWITCH	091852-1	1
9	WASHER, 4.3 FLAT ZINC	F81051-2	6
10	NUT, M4-B HEX NYLON ZINC LOCK	F81029-1	2
11	WASHER, Z6.1 SPLIT LOCK ZINC	F81053-3	2
12	GROMMET, RUBBER INSIDE DIA 6mm	085338	1
13	STUFFING-BOX, SKINTOP PG 13,5	086524	2



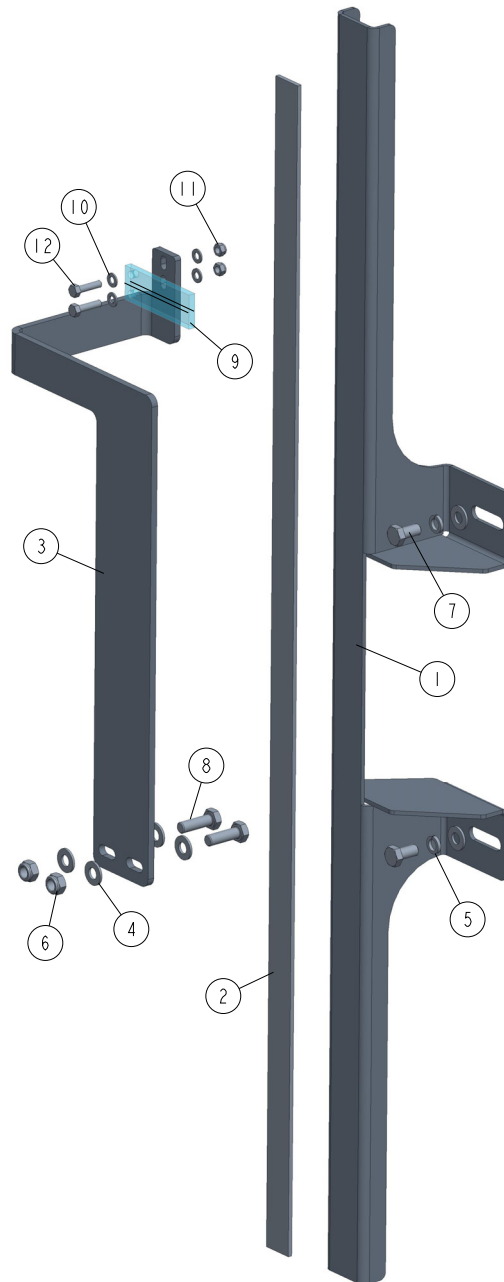
## 6.4 Blade Height Scale Assembly (No. 586998)

586998\_001  
586998

REF.	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY
-	<b>SCALE ASSEMBLY, BLADE HEIGHT</b>	586998	1
1	BRACKET, LT20 BLADE HEIGHT SCALE	586954-1	1
2	SCALE, LT20 MAGNETIC	586997	1
3	PLATE, LT20 SCALE INDICATOR GUIDE	586953-1	1
4	WASHER, 8.4 FLAT ZINC	F81054-1	6
5	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2
6	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	2
7	BOLT, M8X16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2

REF.	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY	
8	BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	2	
9	INDICATOR, BLADE HEIGHT SCALE	094821	1	
10	WASHER, 5.3 FLAT ZINC	F81052-1	4	
11	NUT, M5-8 DIN985 ZINC-PLATED	F81030-2	2	
12	BOLT, M5X20 8.8 ZINC-PLATED	F81000-35	2	

## 6.5 Blade Height Scale Assembly (DC, No. 587006)

587006\_001  
587006

REF.	DESCRIPTION (* indicates parts available in assemblies only)	PART #	QTY
-	SCALE ASSEMBLY, DC BLADE HEIGHT	587006	1
1	BRACKET, BLADE HEIGHT SCALE	586954-1	1
2	SCALE, LT20 MAGNETIC	586997	1
3	PLATE, SCALE INDICATOR MOUNT	586975-1	1
4	WASHER, 8.4 FLAT ZINC	F81054-1	6
5	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2
6	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	2
7	BOLT, M8X16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2
8	BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	2
9	INDICATOR, BLADE HEIGHT SCALE	094821	1

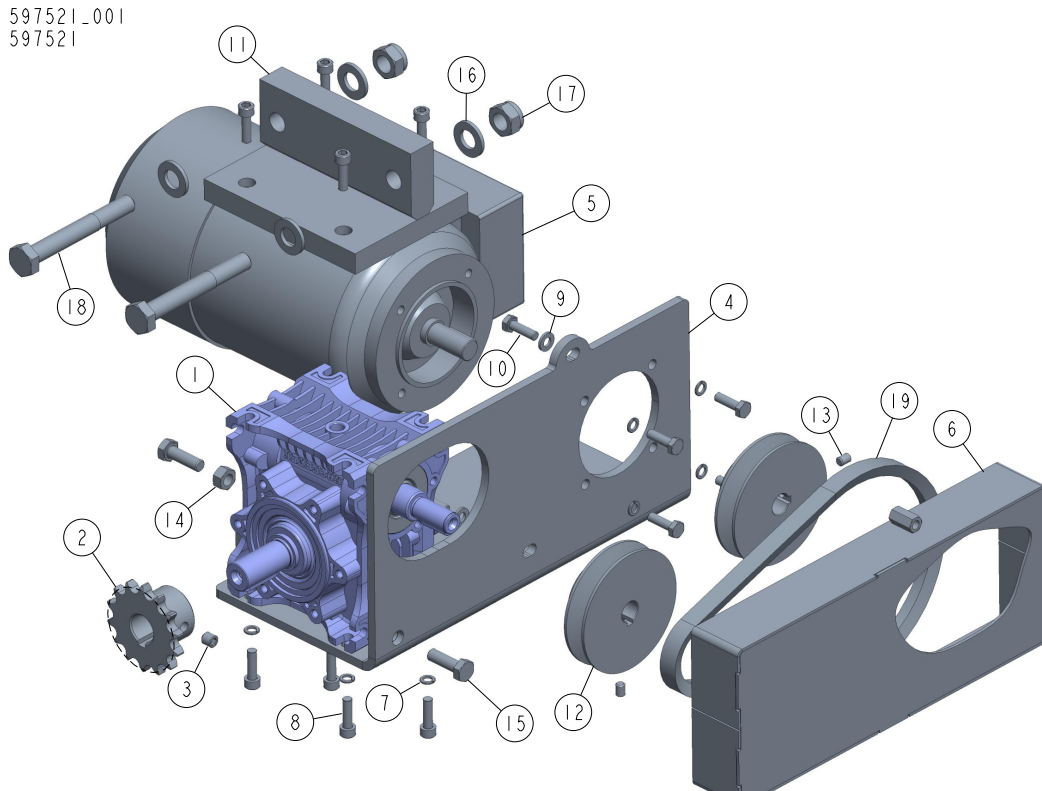
**7****Blade Height Scale Assembly (DC, No. 587006)**

---

REF.	DESCRIPTION (* indicates parts available in assemblies only)	PART #	QTY	
10	WASHER, 5.3 FLAT ZINC	F81052-1	4	
11	NUT, M5-8 DIN985 ZINC	F81030-2	2	
12	BOLT, M5X20 8.8 HEX HEAD FULL THREAD ZINC	F81000-35	2	

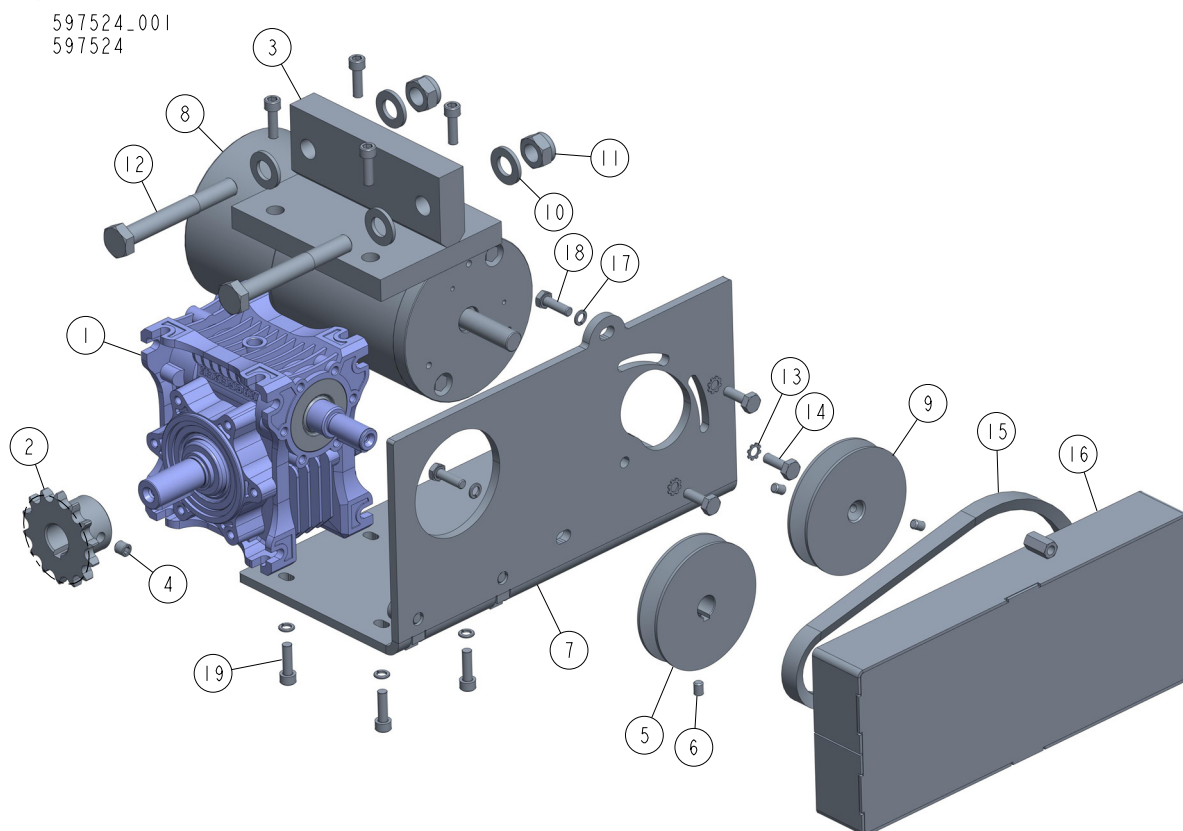
## SECTION 7 POWER FEED & TRACK ROLLERS

### 7.1 Power Feed Assembly, AC Mills



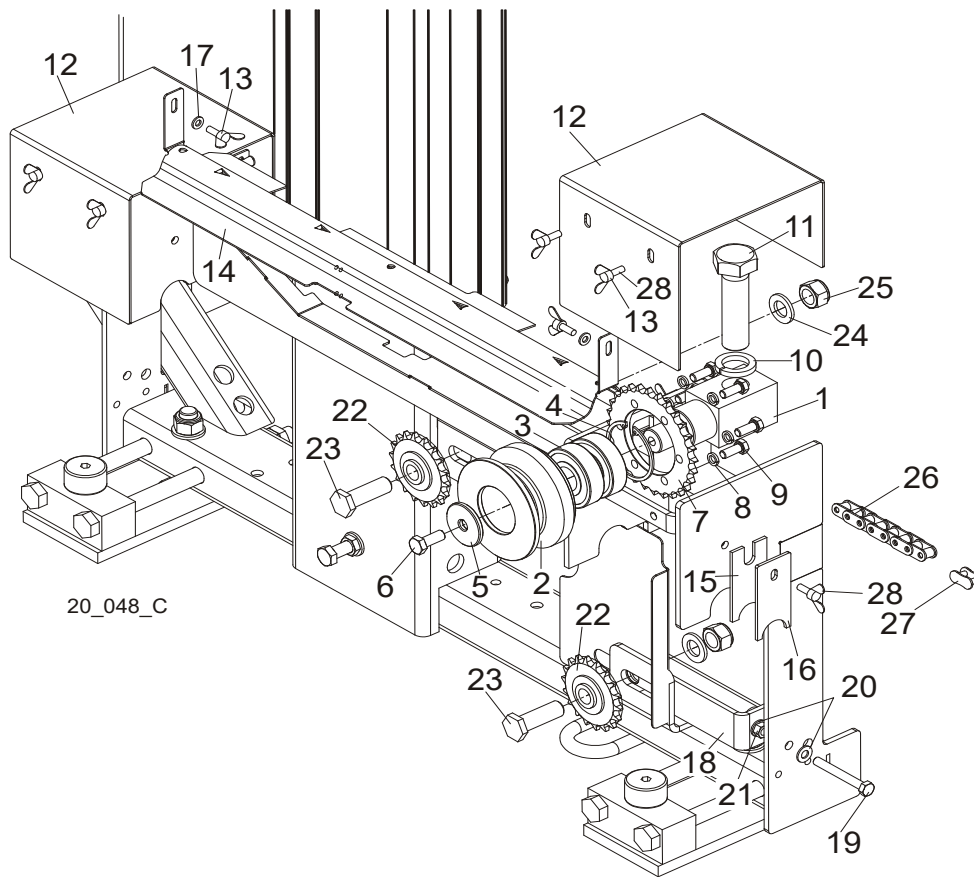
REF	DESCRIPTION (◆ indicates parts available in assemblies only)	PART #	QTY
-	<b>POWER FEED DRIVE, LT20 AC</b>	597521	1
1	MRA-04/7,5-WBS-WJ/1-N/S-B8	597515	1
2	SPROCKET, 08B Z14 ZINC-PLATED	090702-1	1
3	SCREW, M8 X 8-33H HEX SOCKET SET FLAT PO	F81014-1	1
4	PLATE, POWER FEED REDUCER MOUNTING LT20 AC PTD.	597520-1	1
5	MOTOR, KH71X-2C2, RAL 9005	097313	1
6	GUARD, POWER FEED DRIVE BELT	091195-1	1
7	WASHER, Z6.1 SPLIT LOCK ZINC	F81053-3	8
8	SCREW, M6X20 8.8 HEX SOCKET HEAD CAP ZINC	F81001-22	8
9	WASHER, 6.4 FLAT	F81053-1	2
10	BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	6
11	BRACKET, POWER FEED REDUCER LT20	597518-1	1
12	PULLEY, LT20 POWER FEED GEAR BOX	090699-1	2
13	SCREW, M6 X 8 BLACK OXIDE SOCKET HEAD SET	F81013-1	2
14	NUT, M8-8-B HEX ZINC	F81032-1	2
15	BOLT, M8 X 25-8.8-B HEX HEAD FULL THREAD	F81002-5	2
16	WASHER, 13 FLAT ZINC	F81056-1	4
17	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	2
18	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
19	V-BELT, HA-560 (STOMIL-SANOK)	088562	1

**7.2 Power Feed Assembly, DC Mills**



REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
-	<b>POWER FEED ASSEMBLY, LT20 DC</b>	597524	1
1	GEAR BOX, MRA-04/7,5-WBS-WJ/1-N/S-B8	597515	1
2	SPROCKET, 08B Z14 ZINC-PLATED	090702-1	1
3	BRACKET, POWER FEED GEAR BOX	597518-1	1
4	SCREW, M8 X 8-33H	F81014-1	1
5	PULLEY, LT20 POWER FEED GEAR BOX	090699-1	1
6	SCREW, M6 X 8 BLACK OXIDE SOCKET HEAD SE	F81013-1	3
7	BRACKET, POWER FEED GEAR BOX	597523-1	1
8	MOTOR, 12V 0.5HP	006747	1
9	SHEAVE, UP/DOWN MOTOR 'A" 82/12.7	093158-1	1
10	WASHER, 13 FLAT ZINC	F81056-1	4
11	NUT, M12 8 HEX NYLON ZINC LOCK	F81034-2	2
12	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
13	WASHER, 6.4 STAR LOCK ZINC	F81053-2	3
14	BOLT, 1/4-20X3/4 FT HHC	F05005-1	3
15	V-BELT, HA-560 (STOMIL-SANOK)	088562	1
16	GUARD, POWER FEED DRIVE BELT	091195-1	1
17	WASHER, Z 6.1 SPLIT LOCK ZINC	F81053-3	6
18	BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZIN	F81001-2	2
19	SCREW, M6X20 8.8 HEX SOCKET HEAD CAP ZIN	F81001-22	8

### 7.3 Upper Track Rollers And Wipers



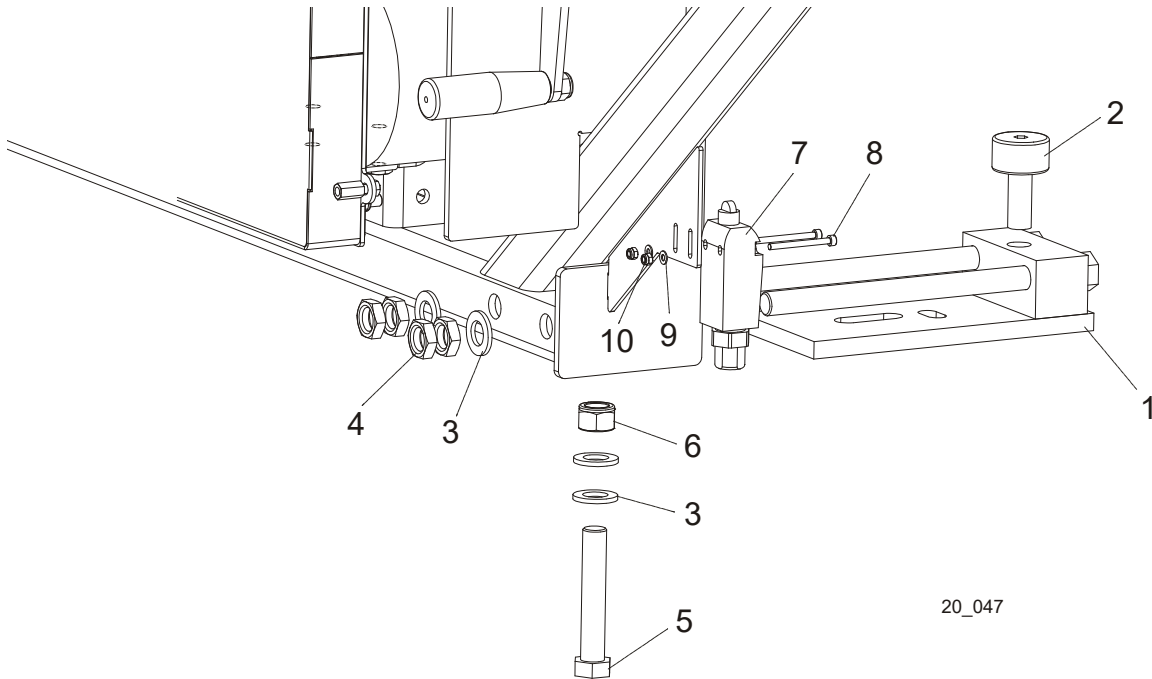
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>ROLLER ASSEMBLY, LT20 UPPER TRACK</b>	090662-1	2
	<b>ROLLER ASSEMBLY, LT20B UPPER TRACK</b>	513500-1 <sup>1</sup>	2
1	Block, Upper Track Roller Mount	090665	1
2	Roller, Upper Track	090663	1
3	Bearing, 6305 2RS NSK	P08066	2
4	Ring, 2 7/16" Bevelled Snap	F04254-21	1
5	Washer, Drive Wheel	086286	1
6	Bolt, M10x25-8.8 Hex Head Full Thread Zinc	F81003-11	1
7	Sprocket, O8B Z28	090664 <sup>2</sup>	2
8	Washer, 8.2 Split Lock Zinc	F81054-4 <sup>2</sup>	6
9	Bolt, M8x20-5.8 Hex Head Full Thread Zinc	F81002-1 <sup>2</sup>	6
10	<b>WASHER, Z 24.5 SPLIT LOCK ZINC</b>	F81061-4	2
11	<b>BOLT, M24X2X90-8.8 HEX HEAD FULL THREAD ZINC</b>	F81009-2	2
12	<b>GUARD, UPPER TRACK ROLLER</b>	090749-1	2
13	<b>SCREW, M6 X 16 BN276 DIN 316 THUMB</b>	F81001-16 <sup>1</sup>	4
14	<b>COVER, LT20 MIDDLE TRACK W/FELT - SERVICE</b>	522292-S	1
	Cover, LT20 Middle Track	522292-1	1
	Strip, 3/16 X 2 X 23 Felt	S09915	1

15	WIPER, TOP RAIL	M04113	2	
16	PLATE, TRACK WIPER	088559-1	2	
17	WASHER, 6.4 ZINC FLAT	F81053-1	2	
18	TENSIONER, POWER FEED SPROCKET	092862-1 <sup>3</sup>	1	
19	BOLT, M8 X 65-5.8 HEX HEAD ZINC	F81002-3 <sup>3</sup>	1	
20	WASHER, 8.4 FLAT ZINC	F81054-1 <sup>3</sup>	2	
21	NUT, M8-8-B HEX ZINC	F81032-1 <sup>3</sup>	1	
22	SPROCKET, IDLER Z=18 KSR16.L0.08.10.18.0	088700 <sup>3</sup>	2	
23	BOLT, SPROCKET MOUNT	091744-1 <sup>3</sup>	2	
24	WASHER, 17 FLAT ZINC	F81058-1 <sup>3</sup>	2	
25	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2 <sup>3</sup>	2	
26	CHAIN, LT20 08B-185 TYPE POWER FEED	091624 <sup>3</sup>	1	
27	LINK, 08B-1PZ MASTER	091625 <sup>3</sup>	1	
28	SCREW, M6 X 20 BN276 DIN 316 THUMB	F81001-58	10	
	SCREW, M6 X 20 BN276 DIN 316 THUMB	F81001-58	4 <sup>1</sup>	

<sup>1</sup> Belongs to LT20B-ECP<sup>2</sup> Does not belong to 513500-1<sup>3</sup> Does not belong to LT20B-ECP



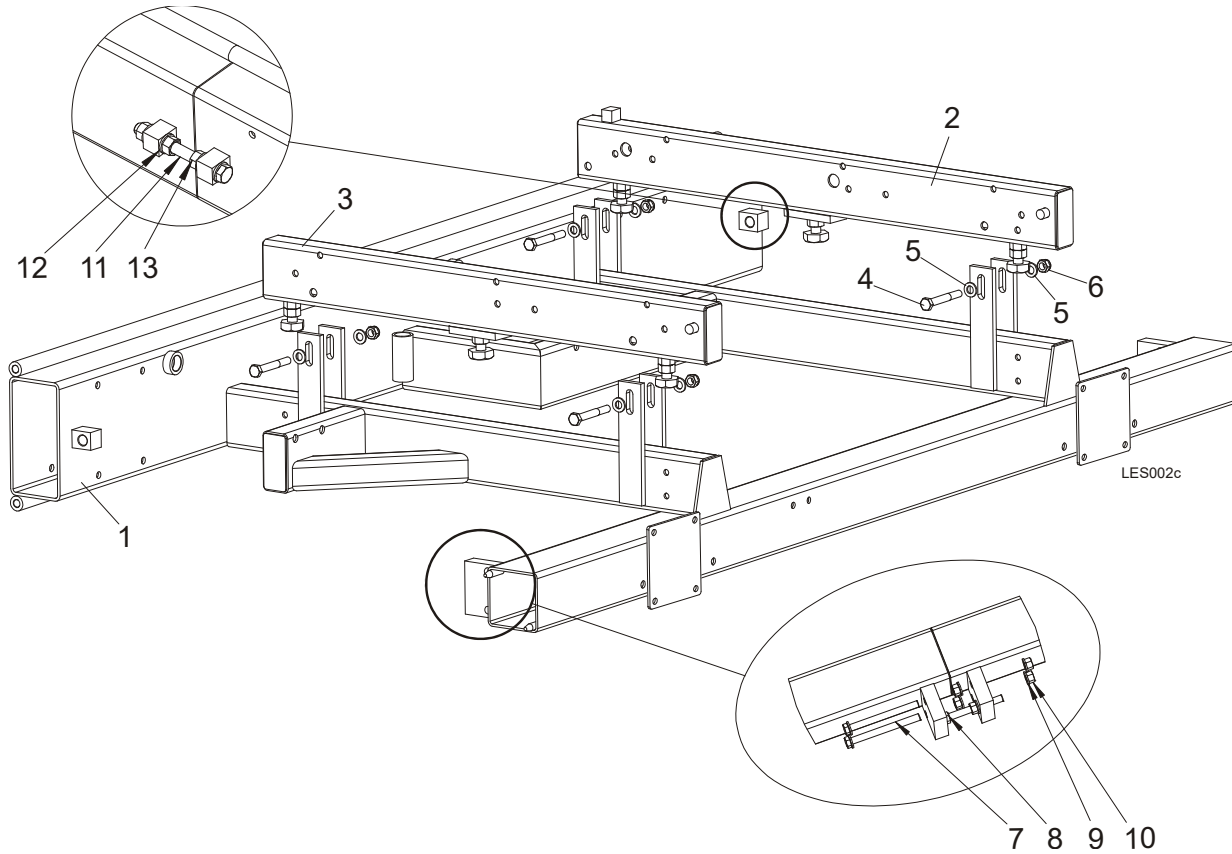
## 7.4 Lower Track Rollers



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>ROLLER ASSEMBLY, LT20 LOWER TRACK</b>	090670	2
1	Bracket, LT20 Lower Track Roller	090671-1	1
2	Bearing, Cam Follower (McGill)	012797	1
3	<b>WASHER, 17 ZINC FLAT</b>	F81058-1	4
4	<b>NUT, M16 HEX THIN ZINC</b>	F81036-4	4
5	<b>BOLT, M16 X 90-8.8 HEX HEAD ZINC</b>	F81006-17	1
6	<b>NUT, M16-8 HEX NYLON ZINC LOCK</b>	F81036-2	1
7	<b>SWITCH, GLCB01A1B LIMIT</b>	100931	1
8	<b>SCREW, M4 X 45-8.8 HEX SOCKET HEAD CAP ZINC</b>	F81011-33	2
9	<b>NUT, M4-B HEX NYLON ZINC LOCK</b>	F81029-1	2
10	<b>WASHER, 4.3 ZINC FLAT</b>	F81051-2	2

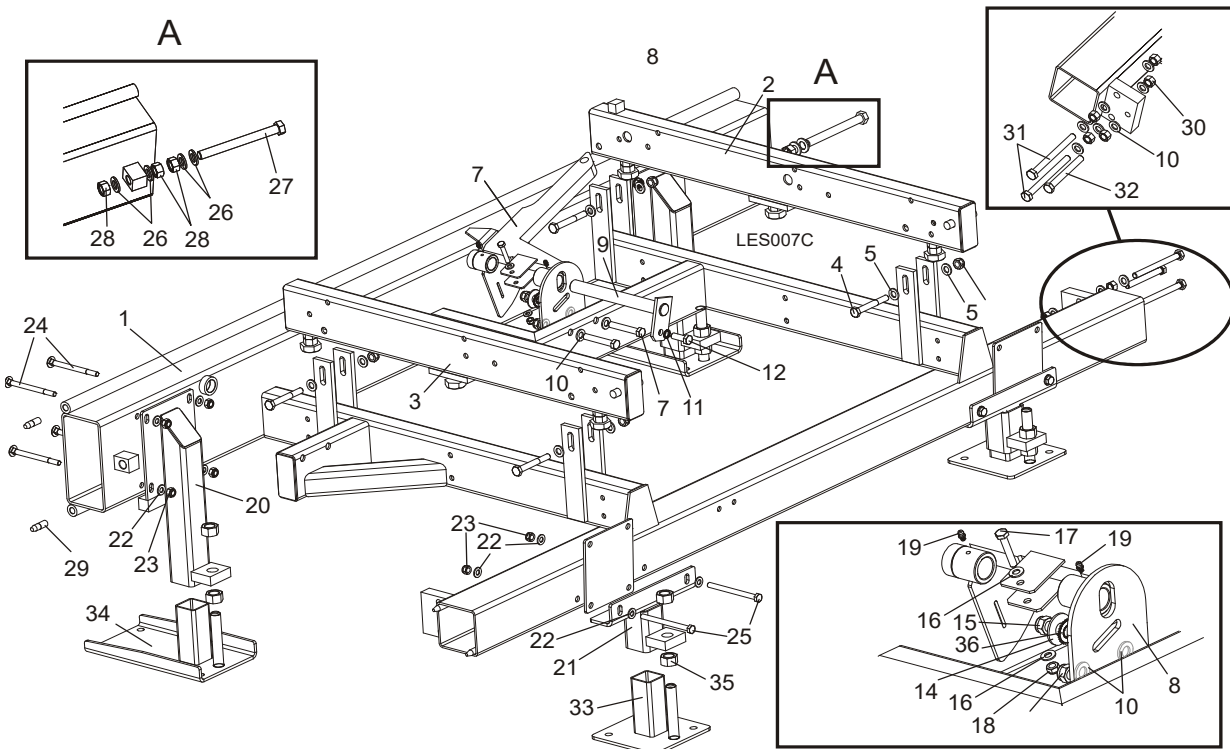
## SECTION 8 BED FRAME ASSEMBLY

### 8.1 Bed Section



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	<b>BED SECTION, LES COMPLETE</b>	<b>099710-1</b>	1
2	Tube Wldmt, Bed, LT80 Long	089385	1
3	Tube Wldmt, Bed, LT80 Short	089386	1
4	Bolt, M12 x 90-8.8 Hex Head Zinc	F81004-2	4
5	Washer, 13 SAE Flat	F81056-1	8
6	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	4
7	<b>BOLT, M12X130-8.8 HEX HEAD ZINC</b>	F81004-55	2
8	<b>BOLT, M12X100-8.8 HEX HEAD ZINC</b>	F81004-45	1
9	<b>WASHER, 13 SAE FLAT</b>	F81056-1	7
10	<b>NUT, M10-8-B HEX NYLON ZINC LOCK</b>	F81033-1	5
11	<b>BOLT, M16X160-8.8 HEX HEAD ZINC</b>	F81006-23	1
12	<b>WASHER, 17 FLAT ZINC</b>	F81058-1	4
13	<b>NUT, M16-5.8 HEX ZINC</b>	F81036-1	3

## 8.2 Bed Section, Additional



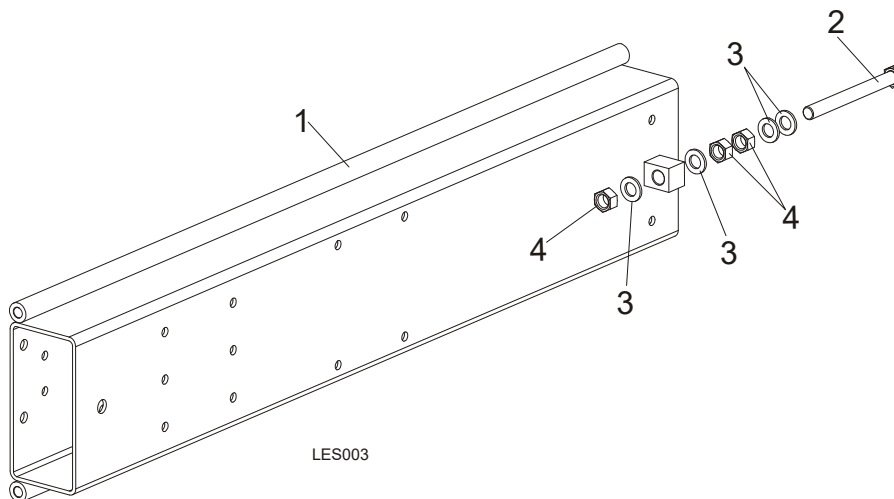
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>BED SECTION, LES ADDITIONAL</b>	<b>101061-S</b>	1
<b>1</b>	<b>BED FRAME SECTION</b>	<b>099710-1</b>	1
<b>2</b>	Tube Wldmt, LT80 Bed Long	089385	1
<b>3</b>	Tube Wldmt, LT80 Bed Short	089386	1
<b>4</b>	Bolt, M12 x 90-8.8 Hex Head Zinc	F81004-2	4
<b>5</b>	Washer, 13 Flat Zinc	F81056-1	8
<b>6</b>	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	4
<b>7</b>	SUPPORT, SIDE W/GUARD	099785-1	1
<b>8</b>	PLATE, LOG SIDE SUPPORT MOUNT	091591-1	1
<b>9</b>	PIN, SIDE SUPPORT ZINC-PLATED	091549-1	1
<b>10</b>	WASHER,13 FLAT ZINC	F81056-1	11
<b>11</b>	WASHER, SERRATED BN781 M12/13	F81056-16	1
<b>12</b>	BOLT, M12 X 35-8.8-FE/ZN5 HEX HEAD FULL THREAD	F81004-24	1
<b>13</b>	BOLT, M12 X 75-8.8 HEX HEAD ZINC	F81004-21	2
<b>14</b>	WASHER, 15 FLAT SPECIAL ZINC-PLATED	F81057-3	1
<b>15</b>	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	3
<b>16</b>	WASHER, 8.4 FLAT ZINC	F81054-1	2
<b>17</b>	BOLT, M8 X 45 - 8.8 HEX HEAD FULL THREAD ZINC	F81002-14	1
<b>18</b>	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	1
<b>19</b>	FITTING, 3/16X3/16 STRAIGHT GREASE	P04107	2
<b>20</b>	SUPPORT, HIGH LES	100559-1	2
<b>21</b>	SUPPORT, LOW LES	550408-1	2
<b>22</b>	WASHER, 10.5 FLAT ZINC	F81055-1	16

# 8 Bed Frame Assembly

## Bed Extension

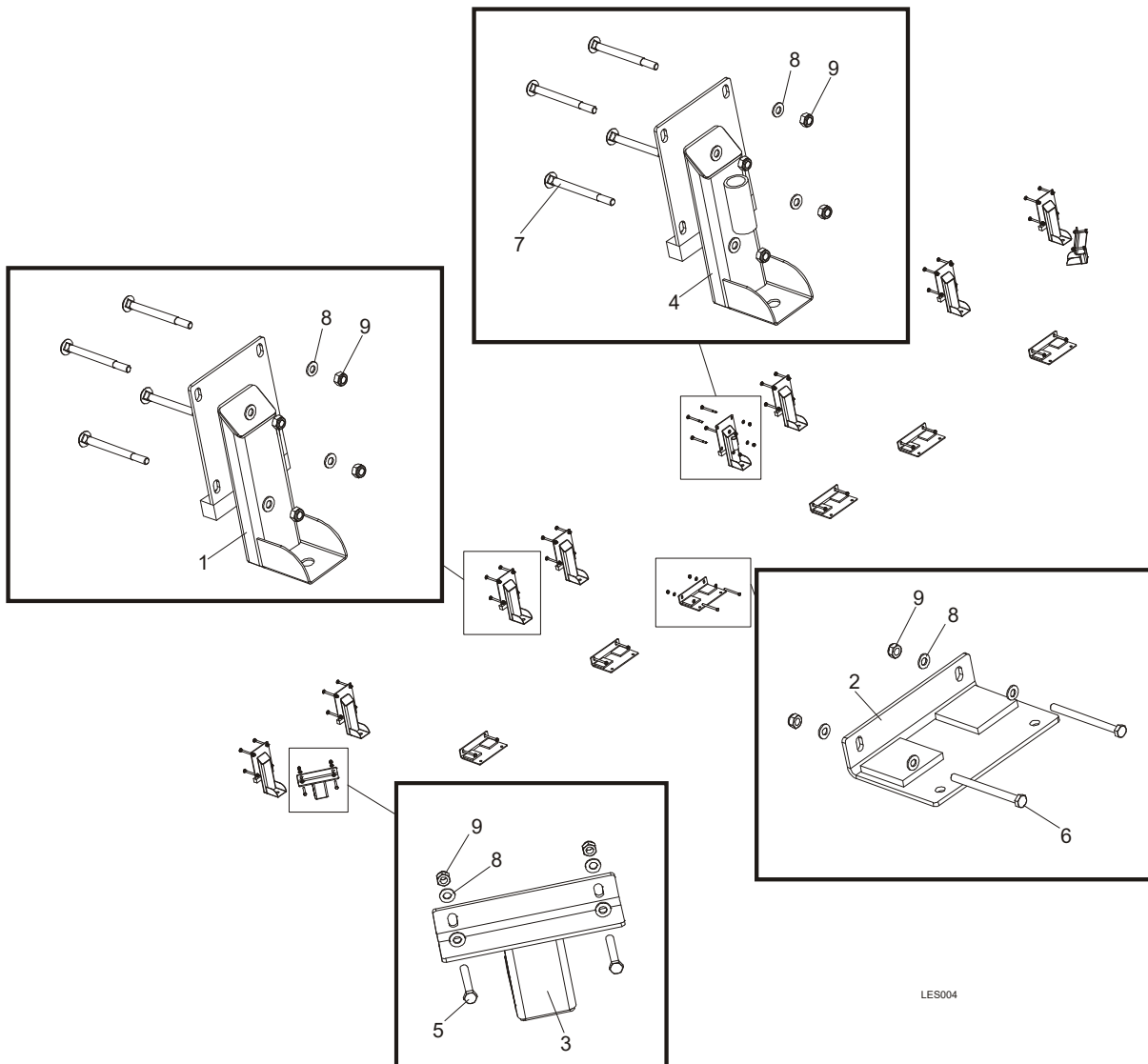
23	NUT, M10-8-B NYLON HEX ZINC LOCK	F81033-1	12	
24	BOLT, M10X120 8.8 FE/ZN5	F81003-33	8	
25	BOLT, M10x125-8.8 HEX HEAD ZINC	F81003-18	4	
26	WASHER, 17 FLAT ZINC	F81058-1	4	
27	BOLT, M16x160-8.8 HEX HEAD FULL THREAD ZINC	F81006-23	1	
28	NUT, M16-5.8 HEX ZINC	F81036-1	3	
29	PIN, SPECIAL	090675	2	
30	NUT, M12-8-B ZINC HEX	F81034-1	5	
31	BOLT, M12X130-8.8 HEX HEAD FULL THREAD ZINC	F81004-55	2	
32	BOLT, M12X100 8.8 HEX HEAD FULL THREAD ZINC	F81004-45	1	
33	FOOT, LES TABLE LEG	099281-1	2	
34	FOOT WIDE LES	500775-1	2	
35	NUT, M20-8 HEX ZINC	F81037-1	8	
36	WASHER, SERRATED BN783 M12/12.3/30.3	F81056-17	1	

### 8.3 Bed Extension



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	<b>BED EXTENSION, LES COMPLETE</b>	099729	1	
1	Bed Extension, LES	099728-1	1	
2	Bolt, M16x160-8.8 Hex Head Zinc	F81006-23	1	
3	Washer, 17 Zinc Flat	F81058-1	4	
4	Nut, M16-5.8 Hex Zinc	F81036-1	3	

### 8.4 Stationary Leg Kit



LES004

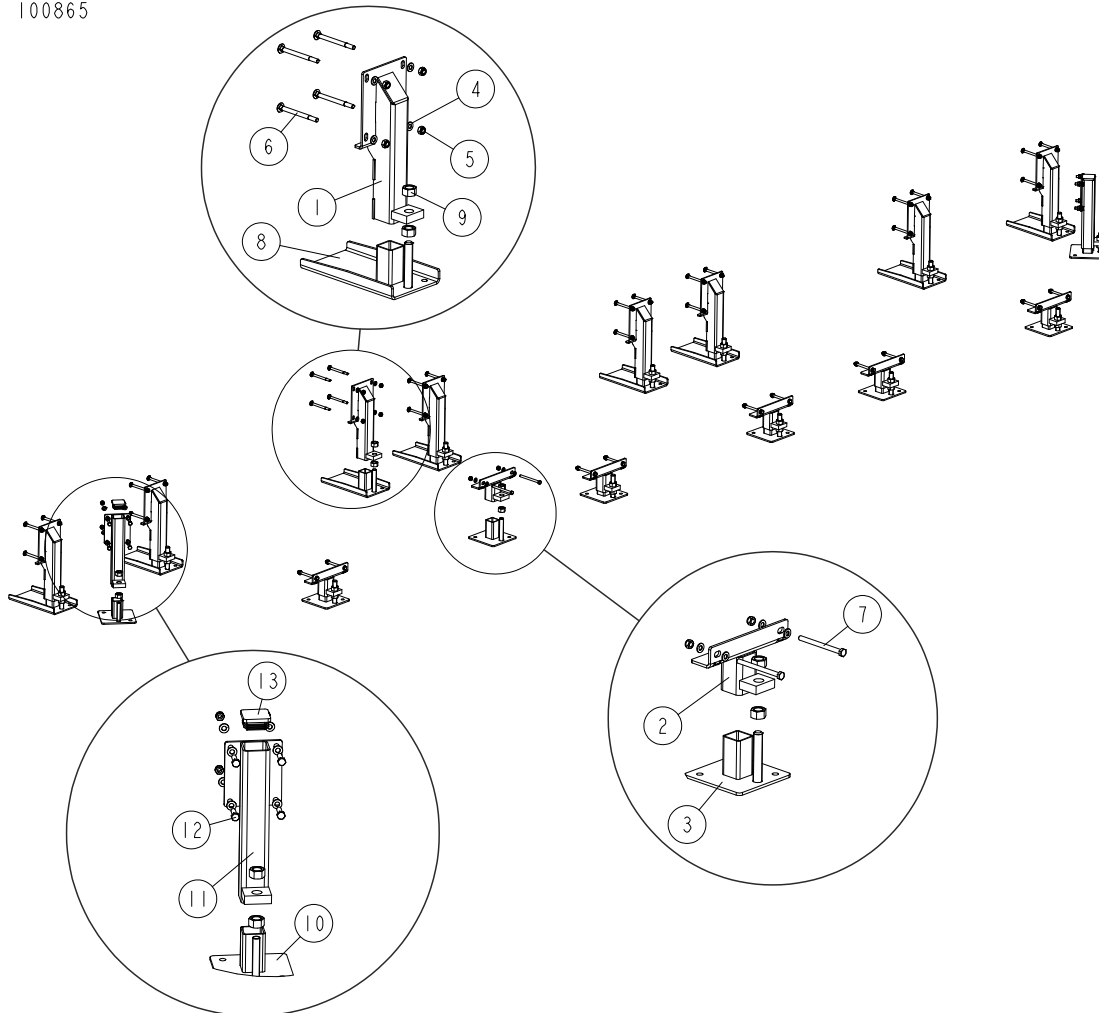
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>KIT, LES STATIONARY LEG (LT20B2)</b>	500802	1
	<b>KIT, LES STATIONARY LEG (LT20B3)</b>	100864	1
1	Leg, LES High	100536-1	5/7
2	Leg, LES Low	100550-1	6
3	Leg, LES Side	100868-1	2
4	Leg, LES High w/Bushing	101186-1	1
5	Bolt, M10X75-8.8 Hex Head Zinc	F81003-15	4
6	Bolt, M10x125-8.8 Hex Head Zinc	F81003-18	8/12
7	Bolt, M10X120 8.8 Carriage Zinc	F81003-33	24/32
8	Washer, 10.5 Flat Zinc	F81055-1	52/64
9	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	36/48

# 8 Bed Frame Assembly

## Outrigger Leg Kit

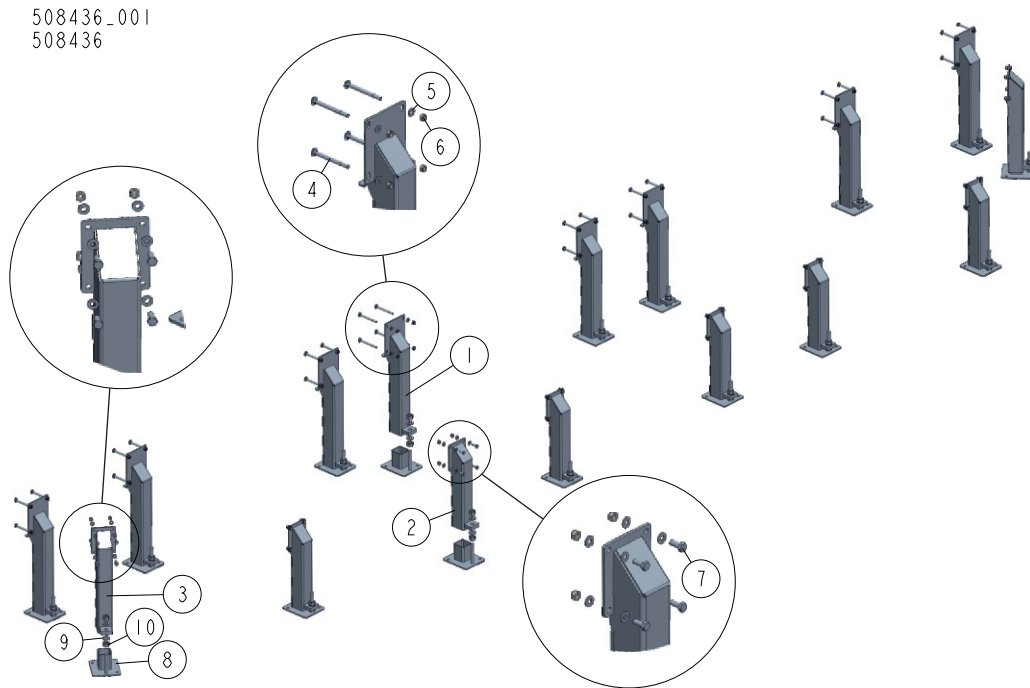
### 8.5 Outrigger Leg Kit

100865\_001  
100865



REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
	<b>KIT, LES OUTRIGGER LEG (LT20B2)</b>	500803	1
	<b>KIT, LES OUTRIGGER LEG (LT20B3)</b>	100865	1
1	SUPPORT, HIGH	507455-1	6/8
2	SUPPORT, SHORT	550408-1	4/6
3	FOOT, LES TABLE LEG	099281-1	6
4	WASHER, 10.5 FLAT ZINC	F81055-1	48/72
5	NUT, M10-8-B NYLON HEX ZINC LOCK	F81033-1	40/52
6	BOLT, M10X120 8.8 CARRIAGE ZINC	F81003-33	24/32
7	BOLT, M10X125-8.8 HEX HEAD ZINC	F81003-18	8/12
8	FOOT, LES WIDE	500775-1	6/8
9	NUT, M20-8 HEX ZINC	F81037-1	24/32
10	FOOT ASSEMBLY, TABLE	099281	2
11	SUPPORT, SIDE	568554-1	2
12	BOLT, M10X35-8.8 HEX HEAD FULL THREAD ZIN	F81003-17	8
13	CAP, 60X60 3-4 #199211 TUBE	089710	2

## 8.6 Outrigger Leg Kit High - LES B3



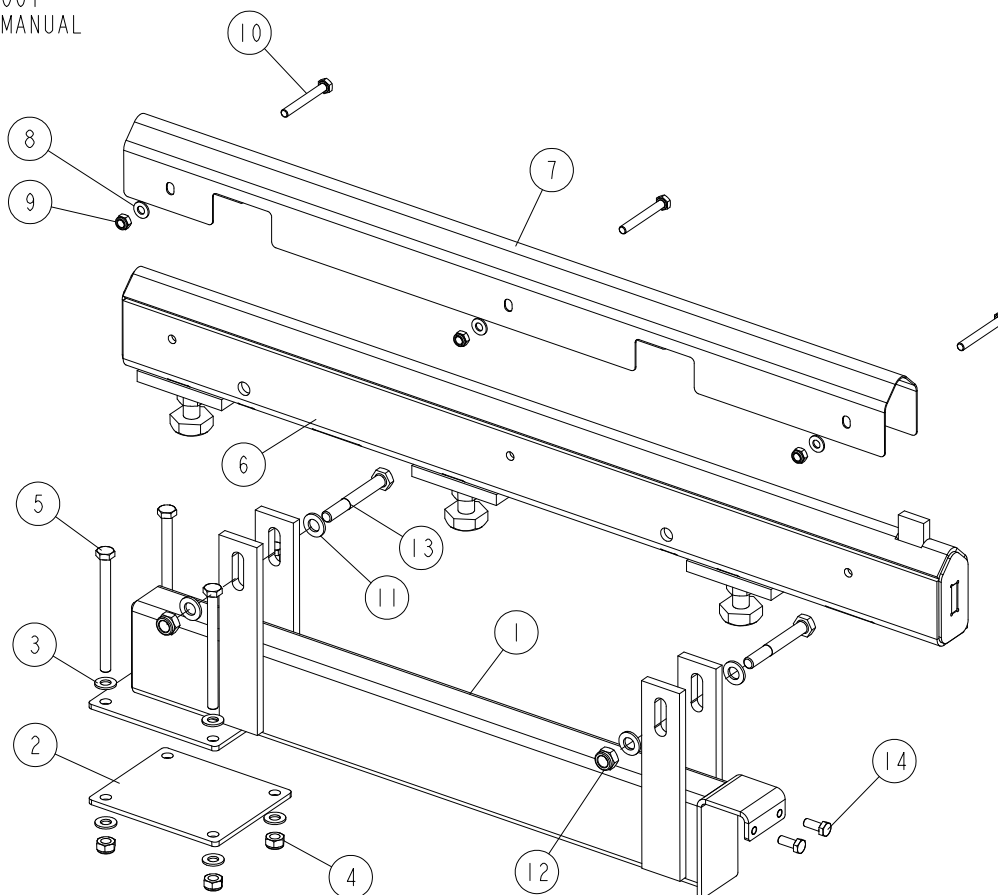
REF	DESCRIPTION (u indicates parts available in assemblies only)	PART #	QTY
-	<b>KIT, LES OUTRIGGER LEG HIGH- LES B3</b>	508436	1
1	LEG, MAIN TUBE (HIGH)	507620-1	8
2	LEG, LES SIDE LT40B/RPA	508435-1	6
3	TUBE WELDMENT, ADJUSTABLE LEG	507715-1	2
4	BOLT, M10X120 8.8 CARRIAGE ZINC	F81003-33	32
5	WASHER, 10.5 FLAT ZINC	F81055-1	96
6	NUT, M10-8-B NYLON HEX ZINC LOCK	F81033-1	64
7	BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZI	F81003-11	32
8	FOOT	586948-1	16
9	WASHER, 21 FLAT ZINC	F81059-2	32
10	NUT, M20-8 HEX ZINC	F81037-1	32

# 8 Bed Frame Assembly

## Additional Angled Bed Rail (Long)

### 8.7 Additional Angled Bed Rail (Long)

545592\_001  
545592\_MANUAL

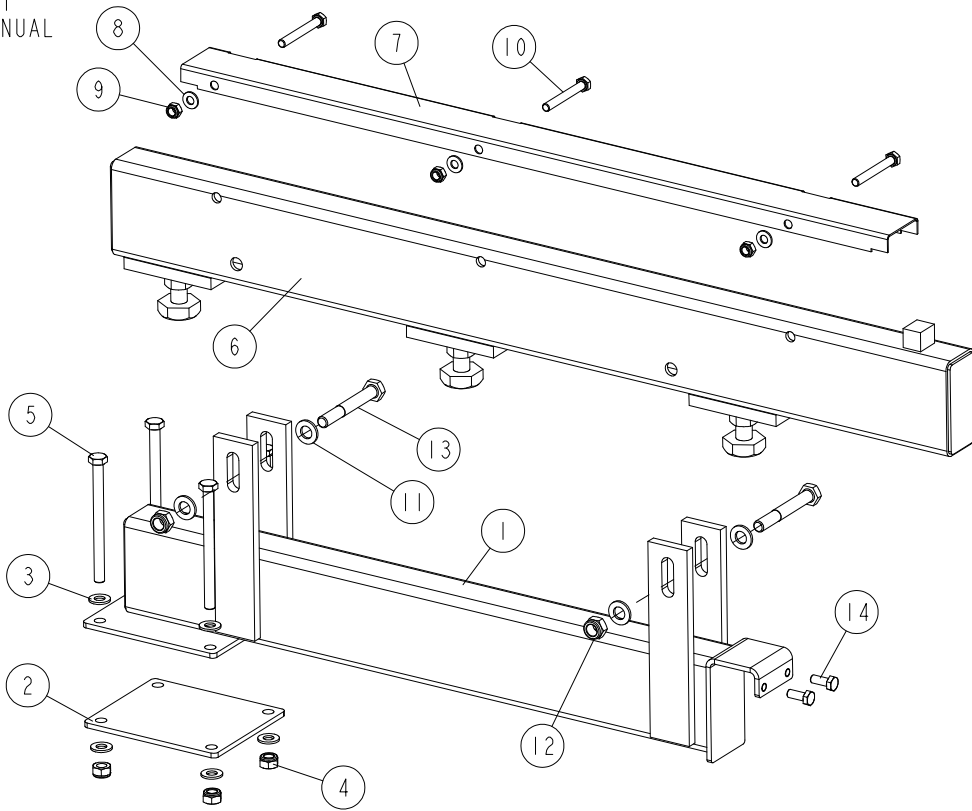


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
-	<b>ADDITIONAL ANGLED BED RAIL (LONG) - COMPLETE</b>	545592	1
1	SUPPORT, ADDITIONAL BED RAIL	545591-1	1
2	PLATE, MOUNT	087055-1	1
3	WASHER, 10.5 FLAT ZINC	F81055-1	8
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10X125 8.8 HEX HEAD ZINC	F81003-18	4
6	TUBE, ADDITIONAL BED RAIL	545589-1	1
7	COVER, ADDITIONAL BED RAIL	545594	1
8	WASHER, 8.4 FLAT ZINC	F81054-1	3
9	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3
10	BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC	F81002-9	3
11	WASHER, 13 FLAT ZINC	F81056-1	4
12	NUT, M12-8 DIN 982 HEX NYLON ZINC LOCK	F81034-2	2
13	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
14	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC	F81002-4	2



## 8.8 Additional Flat Bed Rail (Long)

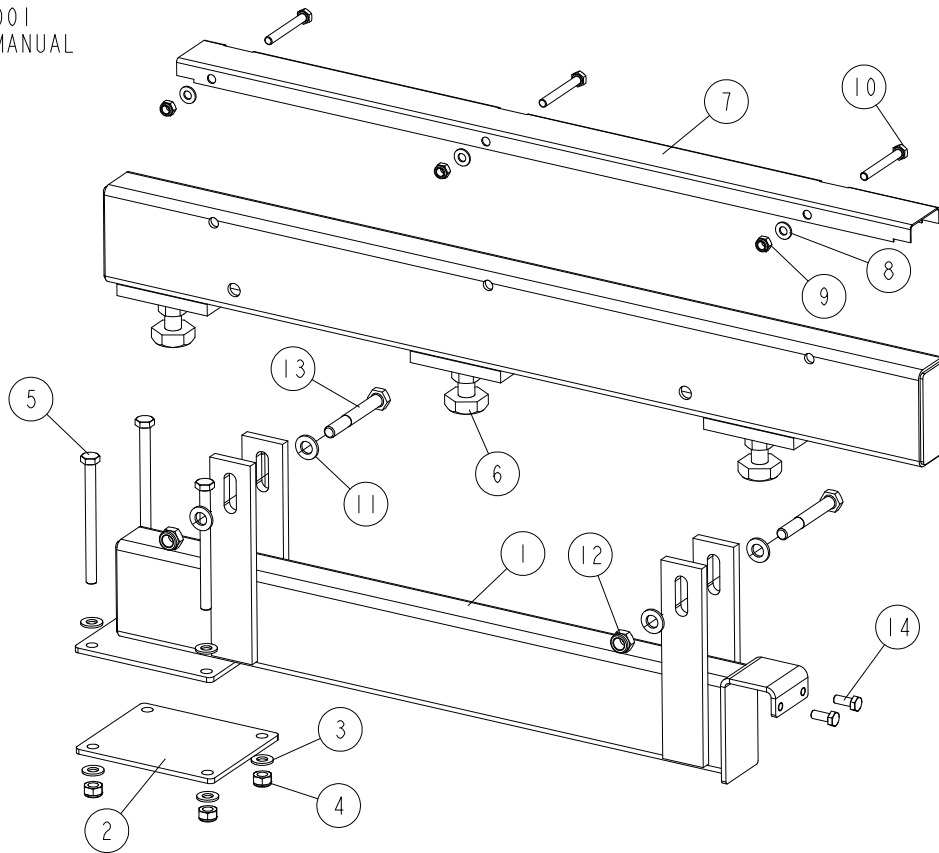
545597\_001  
545597\_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
-	<b>ADDITIONAL FLAT BED RAIL (LONG) - COMPLETE</b>	545597	1
1	SUPPORT, ADDITIONAL BED RAIL	545591-1	1
2	PLATE, MOUNT	087055-1	1
3	WASHER, 10.5 FLAT ZINC	F81055-1	8
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10X125 8.8 HEX HEAD ZINC	F81003-18	4
6	TUBE, ADDITIONAL BED RAIL	545595-1	1
7	COVER, BED RAIL	099124	1
8	WASHER, 8.4 FLAT ZINC	F81054-1	3
9	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3
10	BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC	F81002-9	3
11	WASHER, 13 FLAT ZINC	F81056-1	4
12	NUT, M12-8 DIN 982 HEX NYLON ZINC LOCK	F81034-2	2
13	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
14	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC	F81002-4	2

**8.9 Additional Flat Bed Rail (Short)**

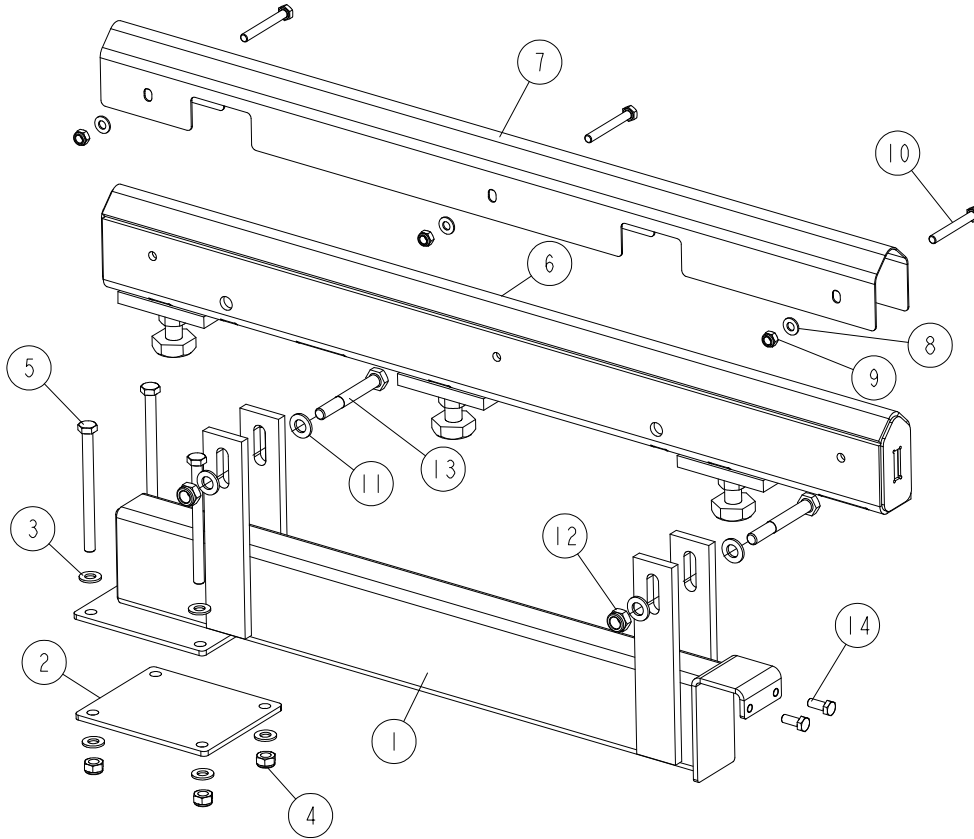
545645\_001  
 545645\_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
-	<b>ADDITIONAL FLAT BED RAIL (SHORT) - COMPLETE</b>	545645	1
1	SUPPORT, ADDITIONAL BED RAIL	545591-1	1
2	PLATE, MOUNT	087055-1	1
3	WASHER, 10.5 FLAT ZINC	F81055-1	8
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10X125 8.8 HEX HEAD ZINC	F81003-18	4
6	TUBE, ADDITIONAL BED RAIL	545643-1	1
7	COVER, BED RAIL	099124	1
8	WASHER, 8.4 FLAT ZINC	F81054-1	3
9	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3
10	BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC	F81002-9	3
11	WASHER, 13 FLAT ZINC	F81056-1	4
12	NUT, M12-8 DIN 982 HEX NYLON ZINC LOCK	F81034-2	2
13	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
14	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC	F81002-4	2

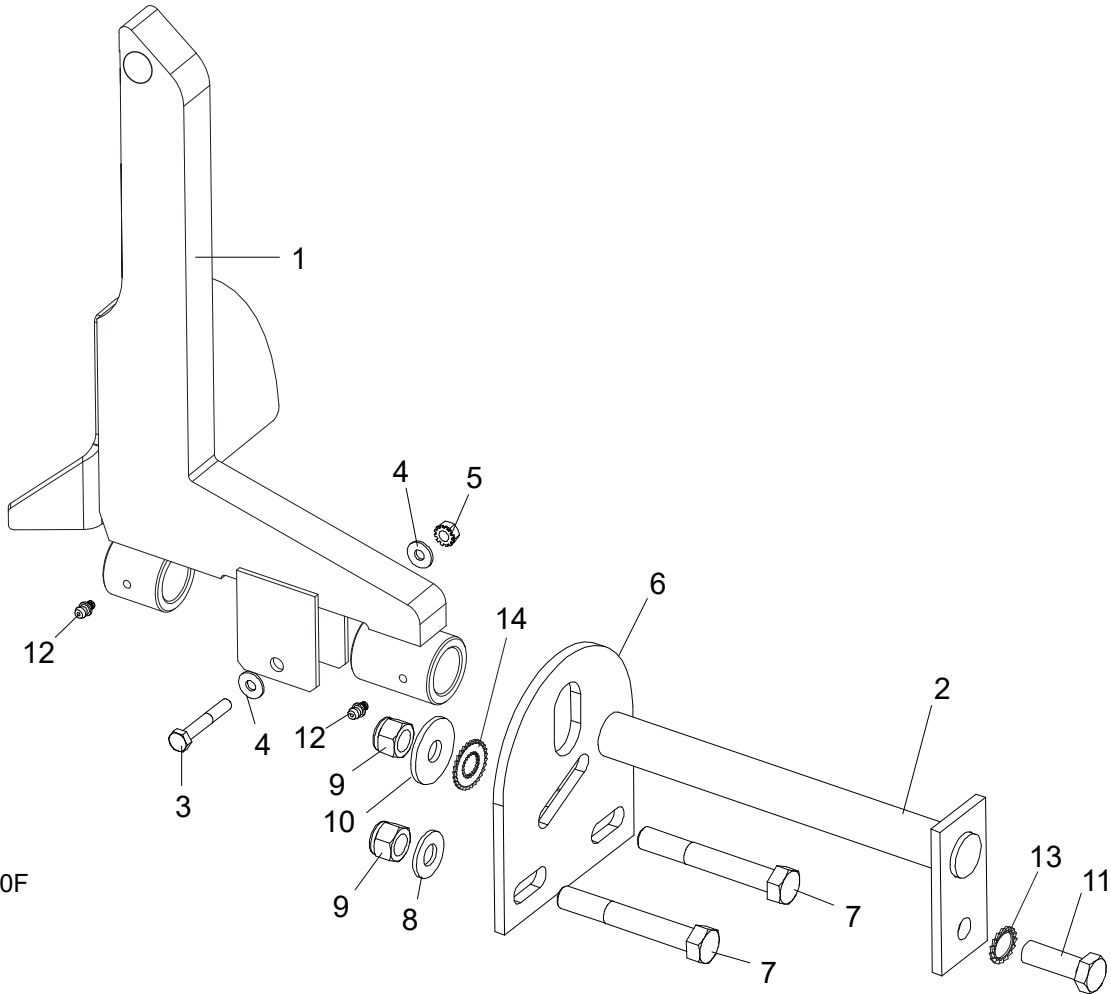
## 8.10 Additional Angled Bed Rail (Short)

545632\_001  
545632\_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
-	<b>ADDITIONAL ANGLED BED RAIL (SHORT) - COMPLETE</b>	545632	1
1	SUPPORT, ADDITIONAL BED RAIL	545591-1	1
2	PLATE, MOUNT	087055-1	1
3	WASHER, 10.5 FLAT ZINC	F81055-1	8
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10X125 8.8 HEX HEAD ZINC	F81003-18	4
6	TUBE, ADDITIONAL BED RAIL	545630-1	1
7	COVER, ADDITIONAL BED RAIL	545594	1
8	WASHER, 8.4 FLAT ZINC	F81054-1	3
9	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	3
10	BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC	F81002-9	3
11	WASHER, 13 FLAT ZINC	F81056-1	4
12	NUT, M12-8 DIN 982 HEX NYLON ZINC LOCK	F81034-2	2
13	BOLT, M12X90 8.8 HEX HEAD ZINC	F81004-2	2
14	BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC	F81002-4	2

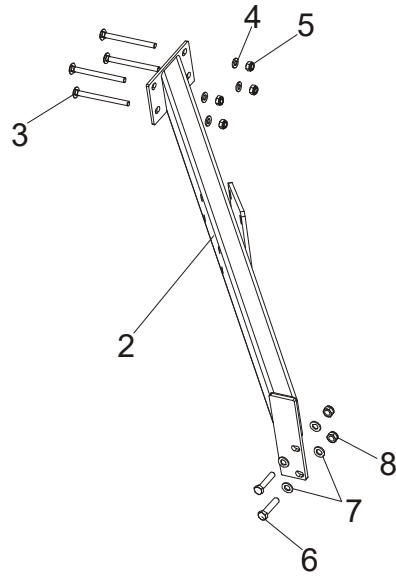
**8.11 Log Side Support Assembly**



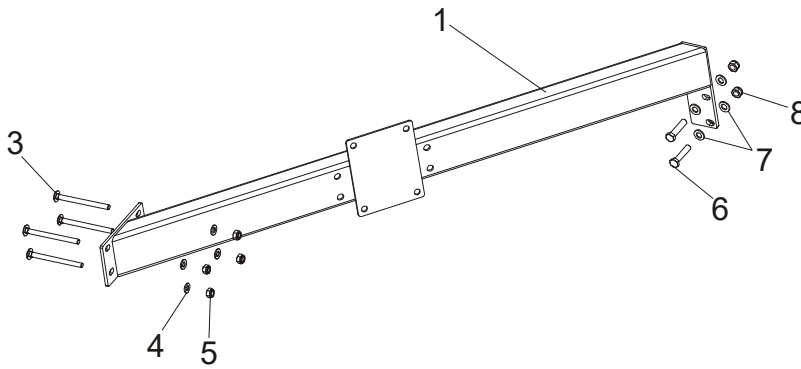
Sm0190F

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>SUPPORT KIT, MANUAL LOG SIDE</b>	<b>092686</b>	<b>1</b>
	<b>LOG SIDE SUPPORT - LT20B</b>	<b>500960</b>	<b>3</b>
1	SUPPORT, LOG SIDE W/GUARD	099785-1	1
2	PIN, LOG SIDE SUPPORT PIVOT	091549-1	1
3	BOLT, M8X45-8.8 HEX HEAD FULL THREAD ZINC	F81002-14	1
4	WASHER, 8.4 FLAT	F81054-1	2
5	NUT, M8-8-B SELF-LOCKING	F81032-2	1
6	PLATE, LOG SIDE SUPPORT END	091591-1	1
7	BOLT, M12 X 75-8.8 HEX HEAD	F81004-21	2
8	WASHER, 13 FLAT	F81056-1	2
9	NUT, M12-8 HEX NYLON LOCK	F81034-2	3
10	WASHER, 15 FLAT SPECIAL ZINC-PLATED	F81057-3	1
11	BOLT, M12 X 35-8.8 HEX HEAD	F81004-24	1
12	FITTING, 3/16" GREASE	P04107	2
13	WASHER, SPECIAL BOSART/2S, BN781 M12/13	F81056-16	1
14	WASHER, SPECIAL BOSART/2S M12/12.3/30.3	F81056-17	1

## 8.12 Front & Rear Tubes

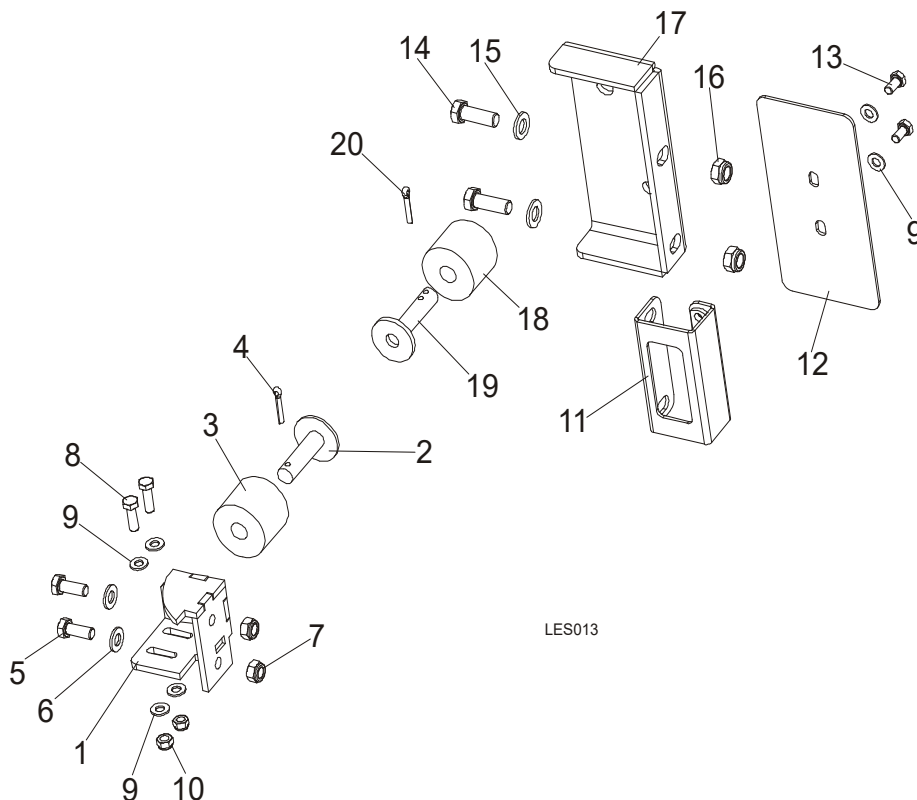


LES012a



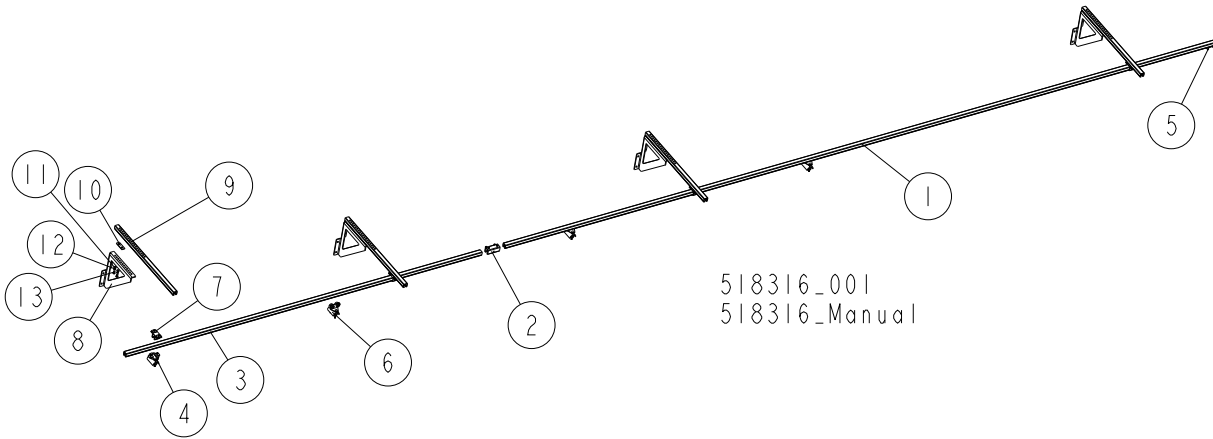
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	TUBE, LES BED FRONT	100551-1	1
2	TUBE, LES BED REAR	100545-1	1
3	BOLT, M10X125 CARRIAGE	F81003-34	8
4	WASHER, 10.5 ZINC FLAT	F81055-1	8
5	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	8
6	BOLT, M12X55-8.8 HEX HEAD ZINC	F81004-12	4
7	WASHER, 13 FLAT ZINC	F81056-1	8
8	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	4

### 8.13 Bumpers



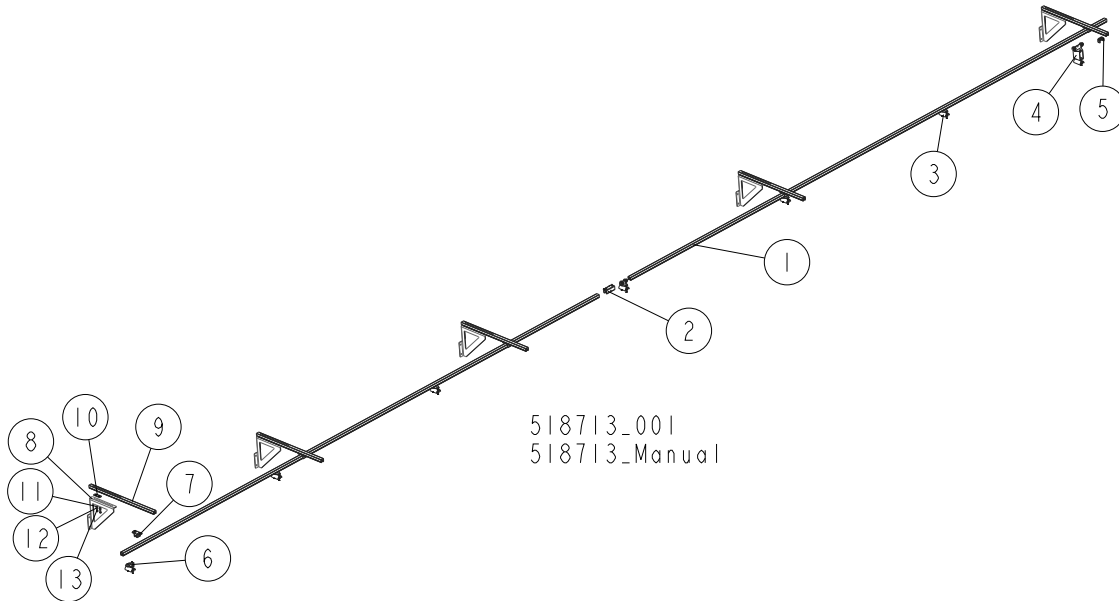
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
1	MOUNT WELDMENT, FRONT CARRIAGE STOP	089712-1	1
2	MOUNT WELDMENT, CARRIAGE STOP	086182-1	1
3	BUSHING, 11/16x2 1/8x1 3/4 RUBBER	P12165	1
4	PIN, 3/16 X 1 COTTER	F05012-21	1
5	BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC	F81003-11	2
6	WASHER, 10.5 ZINC FLAT	F81055-1	2
7	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	2
8	BOLT, M8x25-8.8-B HEX HEAD FULL THREAD ZINC	F81002-5	2
9	WASHER, 8.4 FLAT ZINC	F81054-1	2
10	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	2
11	BRACKET WELDMENT, REAR MAIN TUBE COVER	087105-1	1
12	COVER, MAIN TUBE REAR	015023	1
13	BOLT, M8x16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2
14	BOLT, M12 X 35-8.8-FE/ZN5 HEX HEAD FULL THREAD	F81004-24	2
15	WASHER, 13 FLAT ZINC	F81056-1	2
16	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	2
	<b>BUMPER, REAR COMPLETE</b>	091828	1
17	BRACKET, BUMPER REAR	091829-1	1
18	BUSHING, 11/16X2 1/8X1 3/4 RUBBER	P12165	1
19	STOP, (PTD) CARRIAGE	086182-1	1
20	PIN, 3/16 X 1 COTTER	F05012-21	1

**8.14 Remote Equipment for Installation on a Wall (Cutting Length of 6.5 m)**



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>REMOTE EQUIPMENT (CUTTING LENGTH OF 6.5 M)</b>	<b>518316</b>	<b>1</b>
	RAIL, COMPLETE GUIDE (CUTTING LENGTH OF 6.5M)	518315	1
1	RAIL, 6 M C-PROFILE	518332	1
2	COUPLER, TRACK	518705	1
3	RAIL, 3 M C-PROFILE	518313	1
4	CLAMP, FLAT CABLE - END	518701	1
5	STOP, END	518700	1
6	TROLLEY, CABLE MOVING	518333	3
7	BRACKET, BOLT-ON	518702	4
	RAIL BRACKET KIT FOR WALL MOUNTING	518724	4
8	BRACKET, GUIDE RAIL (FOR WALL MOUNTING)	518728-1	1
9	ARM, RAIL BRACKET	518709	1
10	PLATE, ARM CLAMPING	518885-1	1
11	WASHER, 8.4 FLAT ZINC	F81054-1	2
12	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2
13	BOLT, M8x16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2

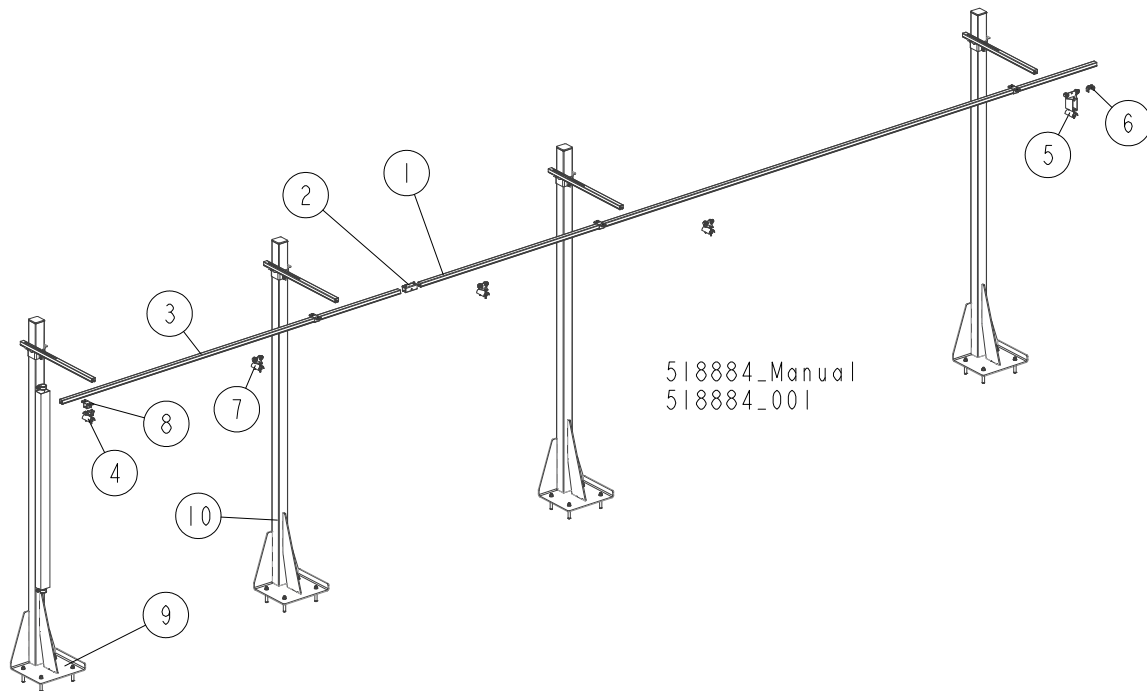
**8.15 Remote Equipment for Installation on a Wall (Cutting Length of 6.5-10 m)**



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	REMOTE EQUIPMENT (CUTTING LENGTH OF 6.5-10 M)	518713	1
	RAIL, COMPLETE GUIDE (CUTTING LENGTH OF 6.5-10 M)	518704	1
1	RAIL, 6 M C-PROFILE	518332	2
2	COUPLER, TRACK	518705	1
3	TROLLEY, CABLE MOVING	518333	5
4	TROLLEY, TOWING	518334	1
5	STOP, END	518700	1
6	CLAMP, FLAT CABLE - END	518701	1
7	BRACKET, BOLT-ON	518702	5
8	RAIL BRACKET KIT FOR WALL MOUNTING	518724	5
9	BRACKET, GUIDE RAIL (FOR WALL MOUNTING)	518728-1	1
10	ARM, RAIL BRACKET	518709	1
11	PLATE, ARM CLAMPING	518885-1	1
12	WASHER, 8.4 FLAT ZINC	F81054-1	2
13	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2

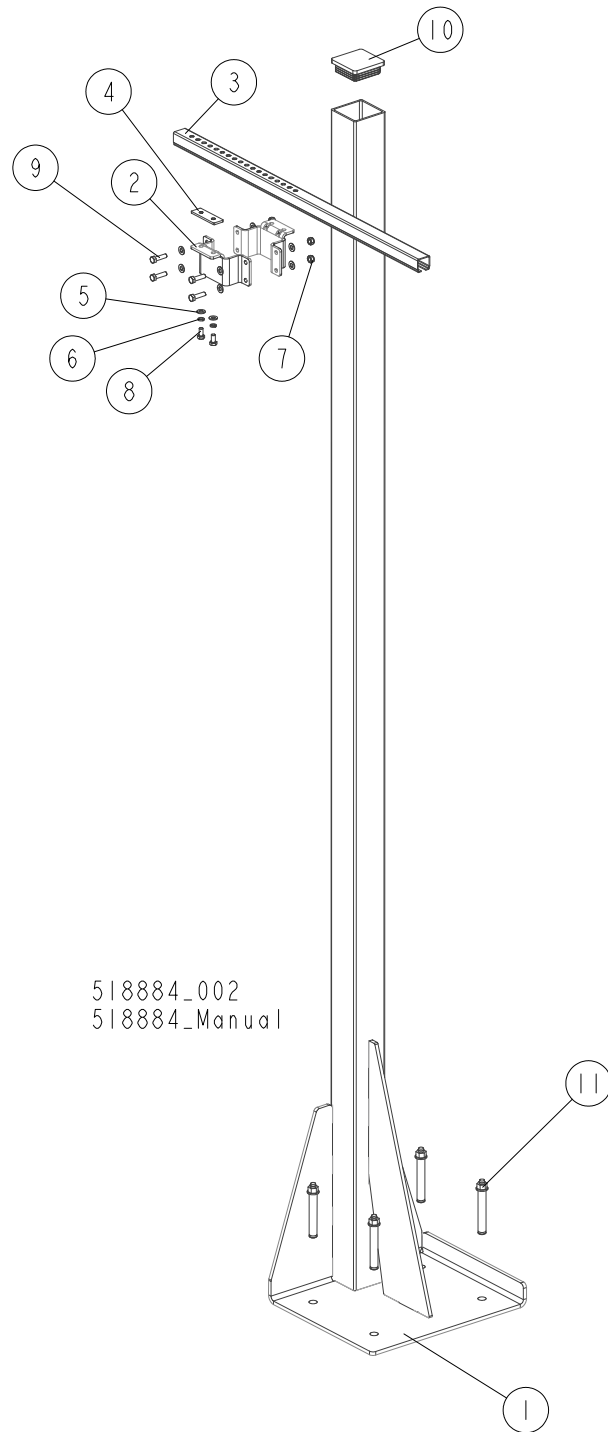


### 8.16 4-Post Remote Set



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	REMOTE SET, 4-POST	<b>518884</b>	<b>1</b>
	RAIL, COMPLETE GUIDE (CUTTING LENGTH OF 6.5M)	518315	1
<b>1</b>	RAIL, 6 M C-PROFILE	518332	1
<b>2</b>	COUPLER, TRACK	518705	1
<b>3</b>	RAIL, 3 M C-PROFILE	518313	1
<b>4</b>	CLAMP, FLAT CABLE - END	518701	1
<b>5</b>	TROLLEY, TOWING	518334	1
<b>6</b>	STOP, END	518700	1
<b>7</b>	TROLLEY, CABLE MOVING	518333	3
<b>8</b>	BRACKET, BOLT-ON	518702	4
<b>9</b>	POST, GUIDE RAIL SUPPORT - COMPLETE <a href="#">See Section 8.18</a>	520669	1
<b>10</b>	POST, GUIDE RAIL SUPPORT - COMPLETE <a href="#">See Section 8.17</a>	518736	4

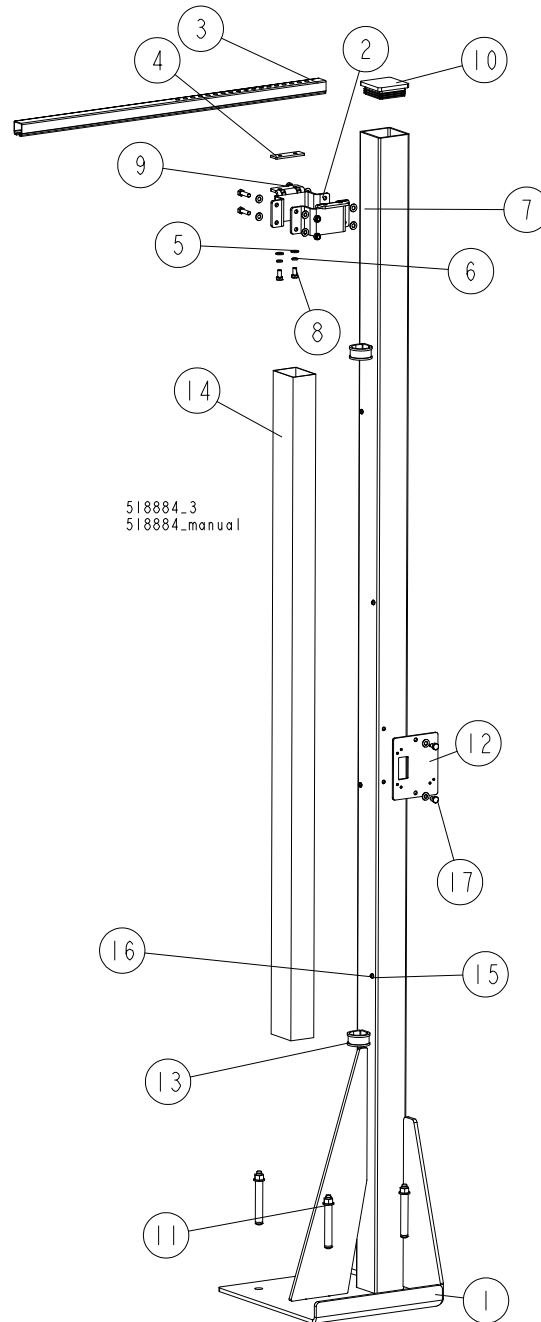
### 8.17 Guide Rail Support Post



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	POST, GUIDE RAIL SUPPORT - COMPLETE	<b>518736</b>	<b>1</b>
1	POST, GUIDE RAIL SUPPORT	518707-1	1
2	BRACKET, 80X80 TUBE WRAP	518725-1	2
3	ARM, RAIL BRACKET	518709	1
4	PLATE, ARM CLAMPING	518885-1	1
5	WASHER, 8.4 FLAT ZINC	F81054-1	10

<b>REF.</b>	<b>DESCRIPTION</b> (◆ Indicates Parts Available In Assemblies Only)	<b>PART #</b>	<b>QTY</b>
<b>6</b>	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2
<b>7</b>	NUT, M8 8 HEX NYLON ZINC LOCK	F81032-2	4
<b>8</b>	BOLT, M8X16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2
<b>9</b>	BOLT, M8X30-5.8-B HEX HEAD FULL THREAD ZINC	F81002-2	4
<b>10</b>	CAP, 80X80 2-4 #111227 TUBE END	089644	1
<b>11</b>	PIN, LT 16X120	501877	4

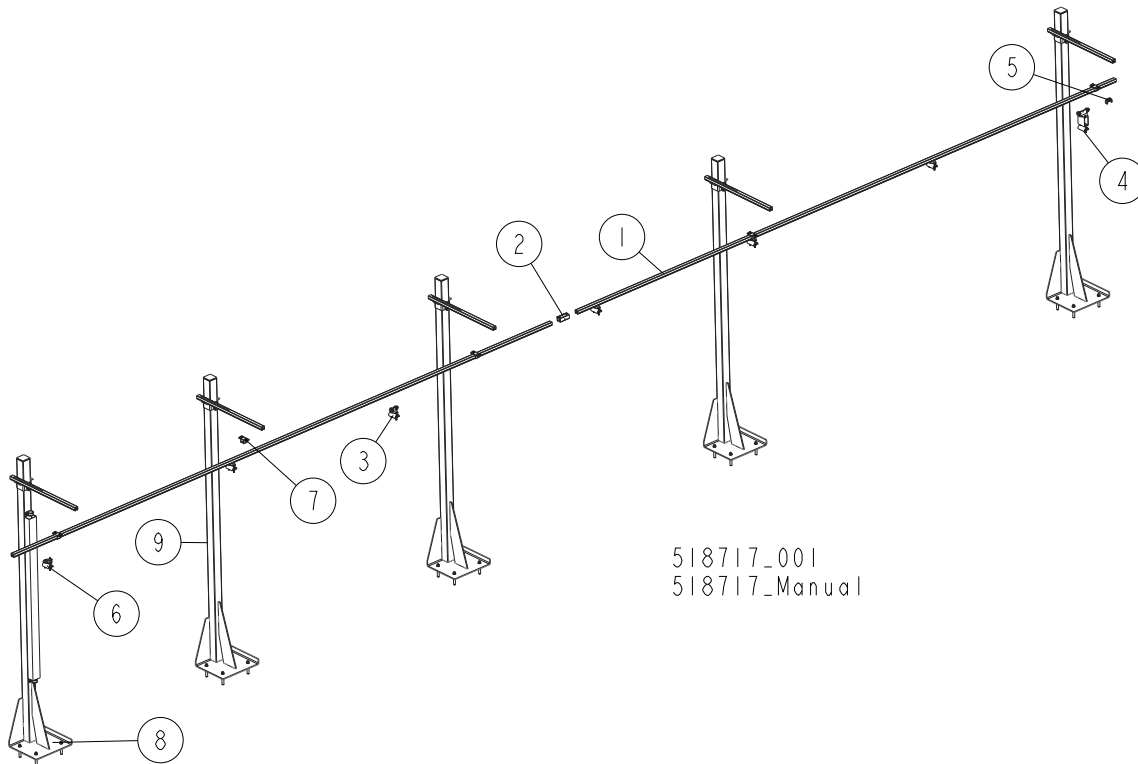
### 8.18 Guide Rail Support Post



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	POST, GUIDE RAIL SUPPORT - COMPLETE	<b>520669</b>	<b>1</b>
1	POST WELDMENT W/HOLES	520667-1	1
2	BRACKET, 80X80 TUBE WRAP	518725-1	2
3	ARM, RAIL BRACKET	518709	1
4	PLATE, ARM CLAMP	518885-1	1
5	WASHER, 8.4 FLAT ZINC	F81054-1	14
6	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2
7	NUT, M8 8 HEX NYLON ZINC LOCK	F81032-2	4

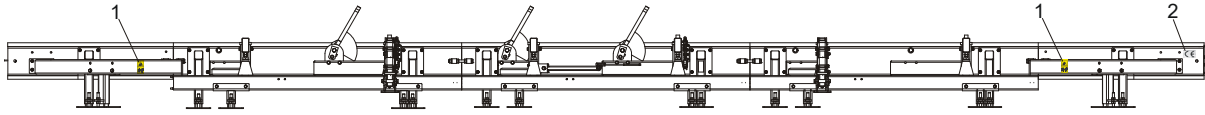
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
8	BOLT, M8X16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	4
9	BOLT, M8X30-5.8-B HEX HEAD FULL THREAD ZINC	F81002-2	4
10	CAP, 80X80 GR 2-4 #111227 TUBE END	089644	1
11	PIN, LT16X120	501877	4
12	PLATE, SOCKET MOUNT	517664-1	1
13	CLAMP, RSGU 1.42/20 W1 METAL & RUBBER	F81087-3	2
14	DUCT, CABLE	520670	1
15	WASHER, 5.3 FLAT ZINC	F81052-1	4
16	SCREW, M5X10-8.8 CROSS RECESSED PAN HEAD ZINC	F81000-13	4
17	BOLT, M8X12-8.8 HEX HEAD FULL THREAD ZINC	F81002-6	2

**8.19 5-Post Remote Set**



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	REMOTE SET, 5-POST	<b>518717</b>	<b>1</b>
	RAIL, COMPLETE GUIDE (CUTTING LENGTH OF 6.5-10 M)	518704	1
1	RAIL, 6 M C-PROFILE	518332	2
2	COUPLER, TRACK	518705	1
3	TROLLEY, CABLE MOVING	518333	5
4	TROLLEY, TOWING	518334	1
5	STOP, END	518700	1
6	CLAMP, FLAT CABLE - END	518701	1
7	BRACKET, BOLT-ON	518702	5
8	POST, GUIDE RAIL SUPPORT - COMPLETE <a href="#">See Section 8.18</a>	520669	1
9	POST, GUIDE RAIL SUPPORT - COMPLETE <a href="#">See Section 8.17</a>	518736	5

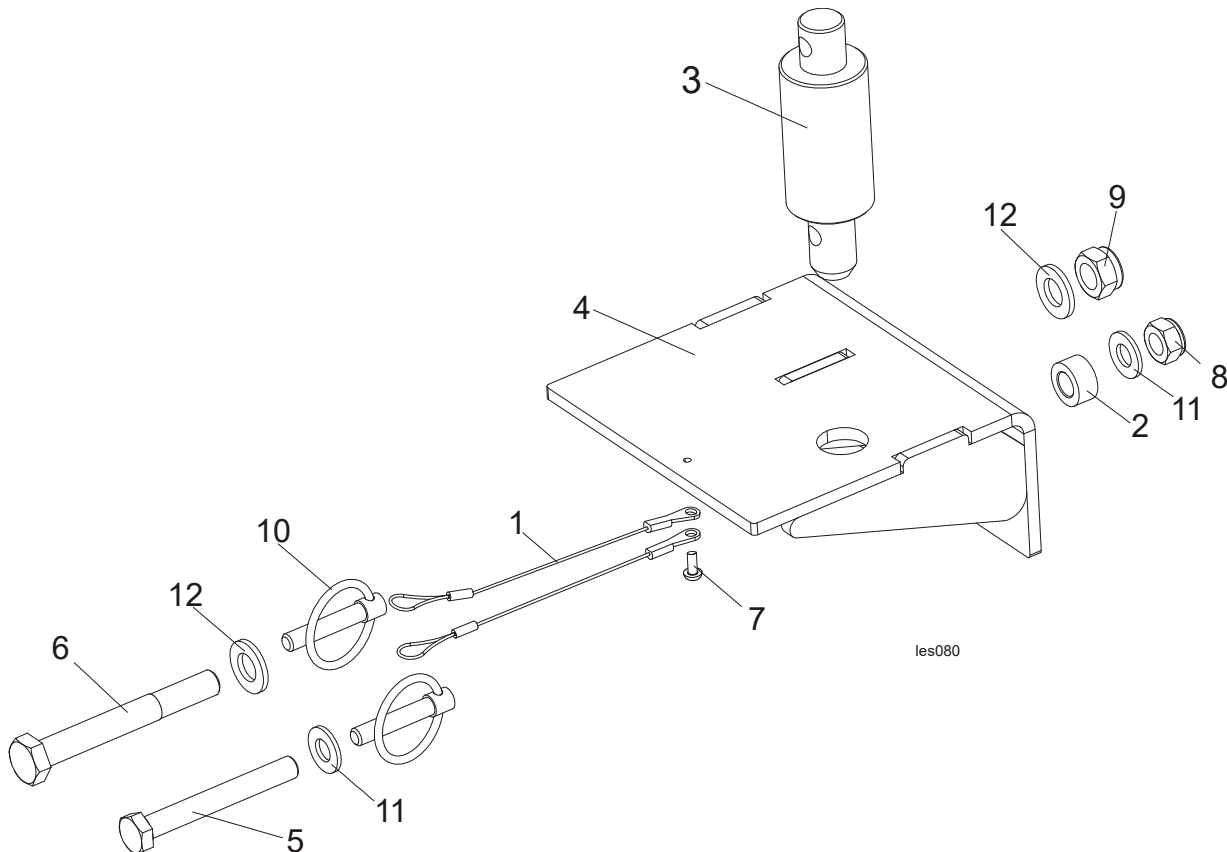
## 8.20 Bed Frame Decals



LES014

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>PICTOGRAPHIC DECAL KIT, LES</b>	101215	1
	PICTOGRAPHIC DECAL KIT, LT20AC <a href="#">See Section 4.4</a>	099509	1
1	DECAL, KEEP AWAY DANGER, PICTOGRAM	099221	2
2	DECAL, CE CERTIFIED SAWMILL (SMALL)	P85070	1

## 8.21 Saw Head Transportation Holder, LT70B



les080

REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>HOLDER, SAW HEAD TRANSPORTATION LT70B-COMPLETE</b>	509277	1
1	LANYARD, 3/64x6	016030	2
2	BUSHING, SPACER ZINC-PLATED	090936-1	1

## 8

**Bed Frame Assembly***Saw Head Transportation Holder, LT70B*

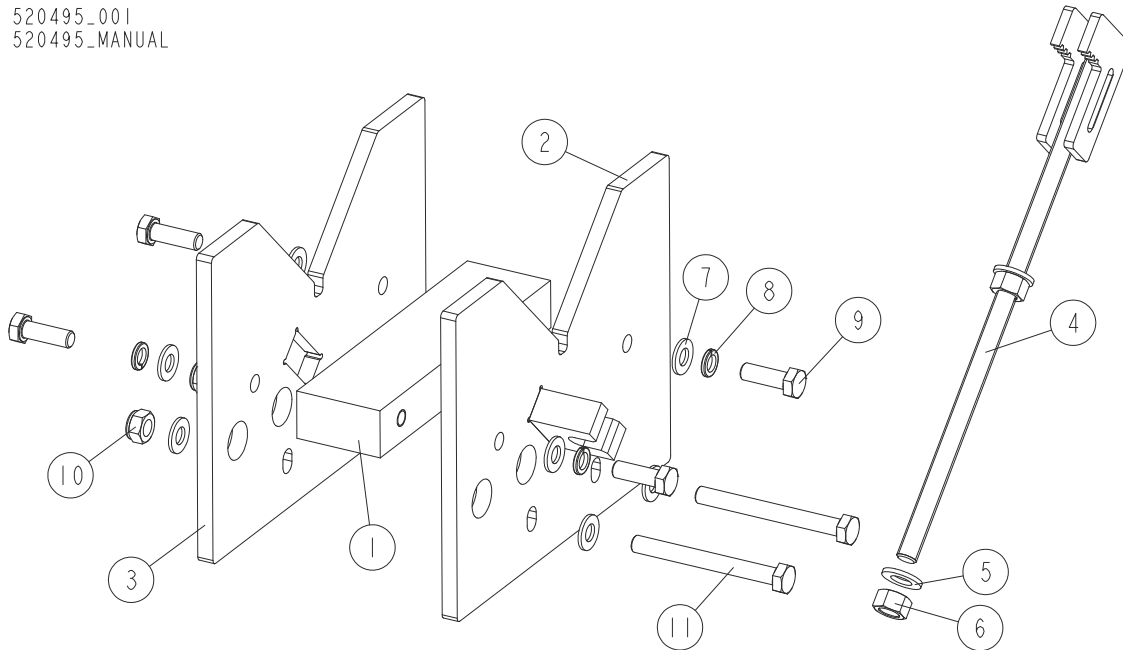
---

3	PIN, SAW HEAD REST LT20	097935-1	1	
4	HOLDER, TRANSPORTATION LT70B WLDMT/PTD	509278-1	1	
5	BOLT, HEX HEAD M10x80-8.8-ZINC	F81003-50	1	
6	BOLT, M12X95 8.8 HEX HEAD ZINC	F81004-29	1	
7	SCREW, M4X12-5.8-B-CROSS RECESSED PAN HEAD ZINC	F81011-43	1	
8	NUT, M10 HEX NYLON ZINC LOCK	F81033-1	1	
9	NUT, M12 8 HEX NYLON ZINC LOCK	F81034-2	1	
10	PIN, 8 BN914 (Bossard 1364650) LOCK	F81046-2	2	
11	WASHER, 10.5 FLAT ZINC	F81055-1	2	
12	WASHER, 13 FLAT ZINC	F81056-1	2	



## 8.22 Octagonal Profile Sawing Tool (Option)

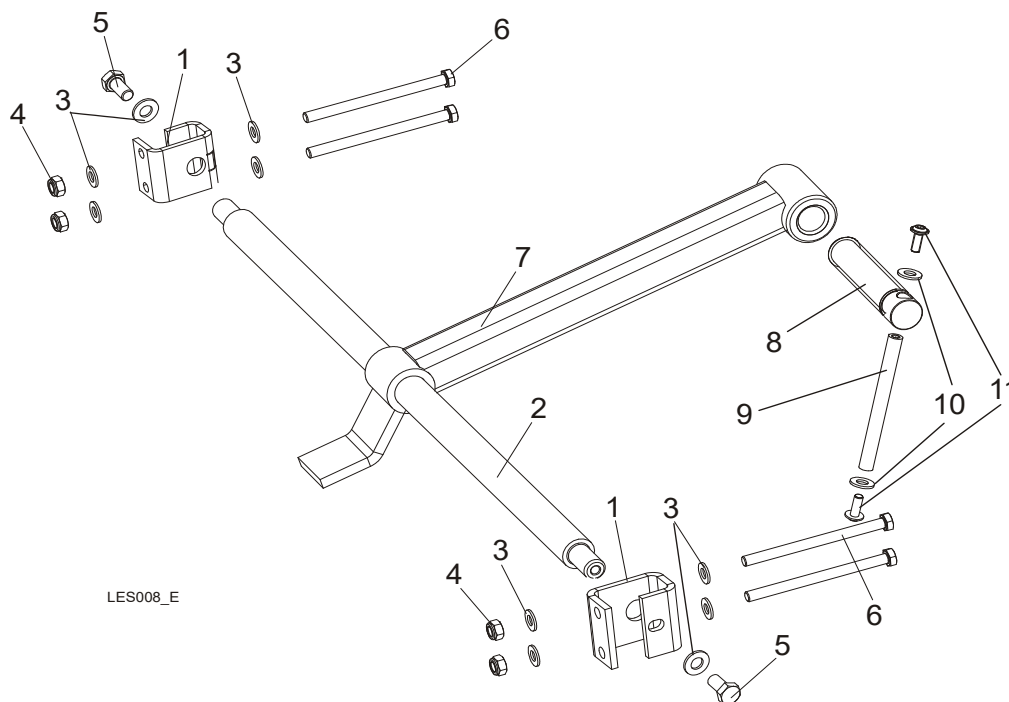
520495\_001  
 520495\_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
-	<b>TOOL, OCTAGONAL PROFILE SAWING</b>	520495	1
1	BAR, INSIDE	520490-1	1
2	PLATE, FRONT	520492-1	1
3	PLATE, MAIN	520489-1	1
4	ARM, CLAMP	520496-1	1
5	WASHER, 13 FLAT ZINC	F81056-1	2
6	NUT, M12-8-B HEX ZINC	F81034-1	2
7	WASHER, 10.5 FLAT ZINC	F81055-1	8
8	WASHER, Z 10.2 SPLIT LOCK ZINC	F81055-2	4
9	BOLT, M10X30 5.8 HEX HEAD FULL THREAD ZINC	F81003-2	4
10	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	2
11	BOLT, M10X95-8.8-B HEX HEAD ZINC	F81003-71	2

## SECTION 9 LOG CLAMP, LOADING RAMP & TOE BOARD

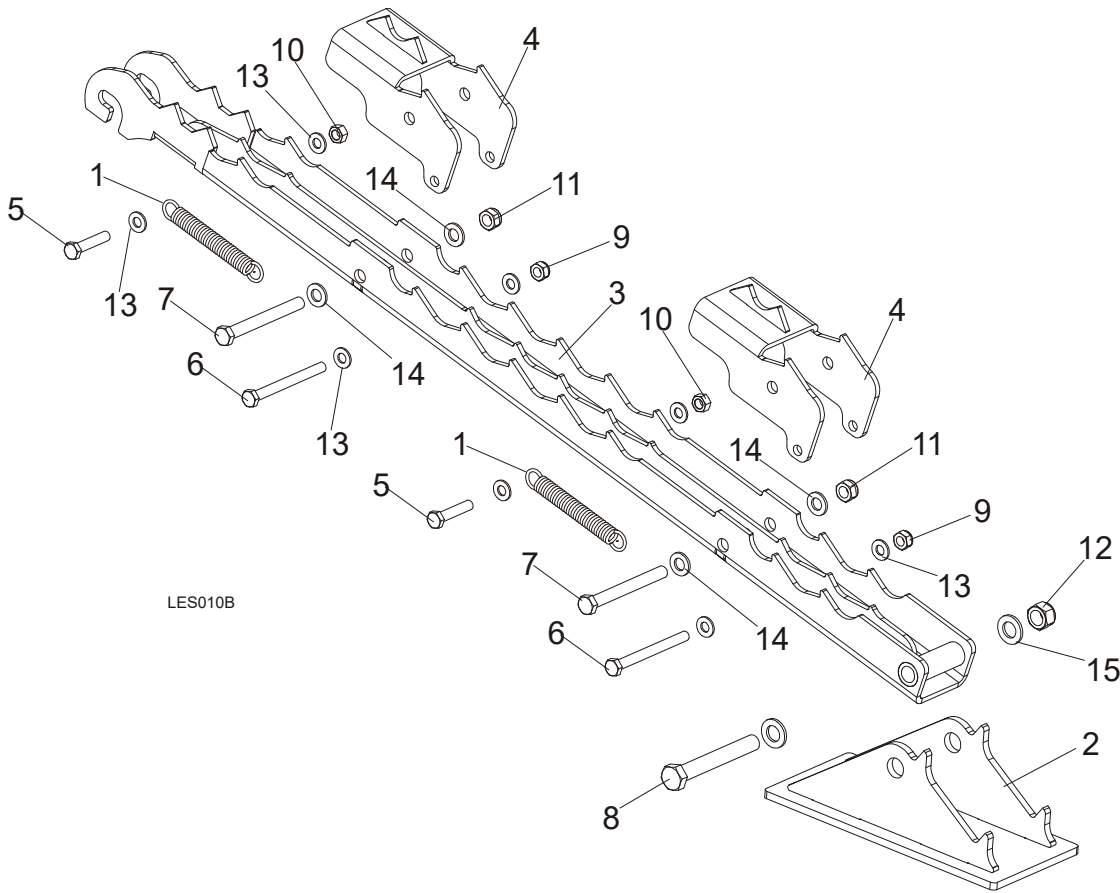
### 9.1 Log Clamp, LES



LES008\_E

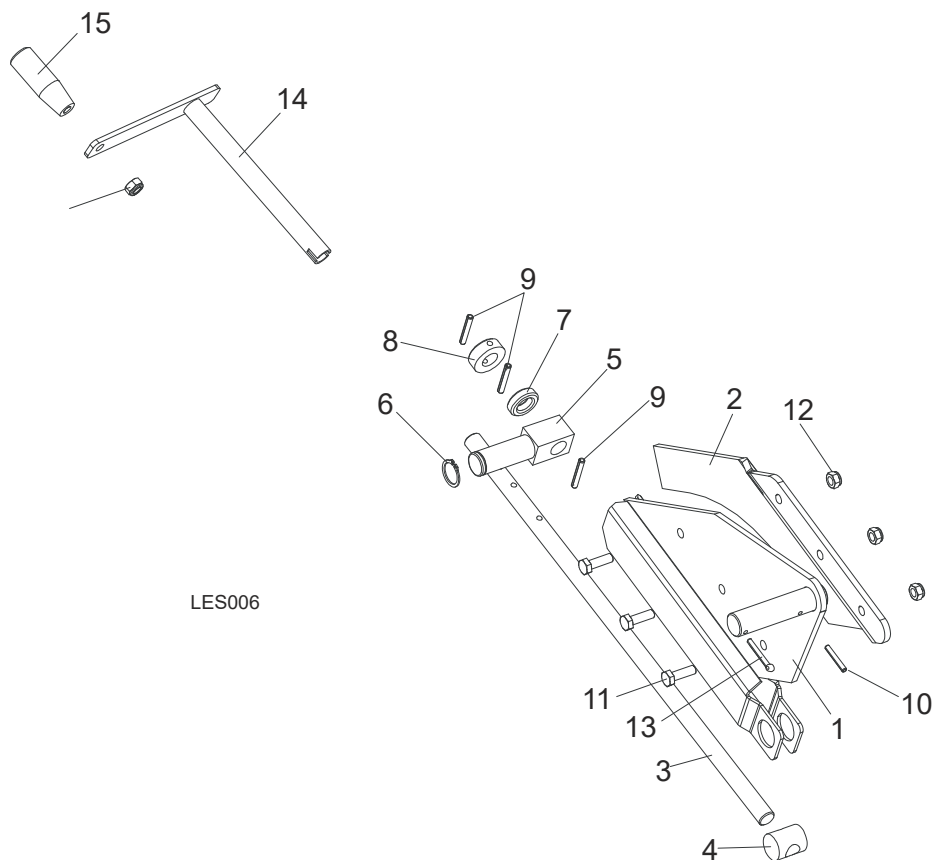
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>CLAMP-LES</b>	<b>510230</b>	<b>1</b>
1	BRACKET, LOG CLAMP MOUNT ZINC-PL.	500338-1	2
2	ROD, MAIN CLAMP	100643	1
3	WASHER, 10.5 FLAT ZINC	F81055-1	10
4	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	4
5	BOLT, M10X20-5.8 HEX HEAD FULL THREAD ZINC	F81003-1	2
6	BOLT, M10 X 80-8.8 HEX HEAD ZINC	F81003-50	4
7	ARM, LOG CLAMP	521465-1	1
	<b>CLAMP BOLT - COMPLETE</b>	<b>507563</b>	<b>1</b>
8	CLAMP BOLT	507463	1
	<b>ROD - COMPLETE</b>	<b>511924</b>	<b>1</b>
9	ROD - ZINC-PLATED	511923-1	1
10	WASHER, 8.4 FLAT ZINC	F81054-1	2
11	BOLT, M6x16 BN 11252 "BOSSARD"	F81001-24	2

9.2 Loading Ramp



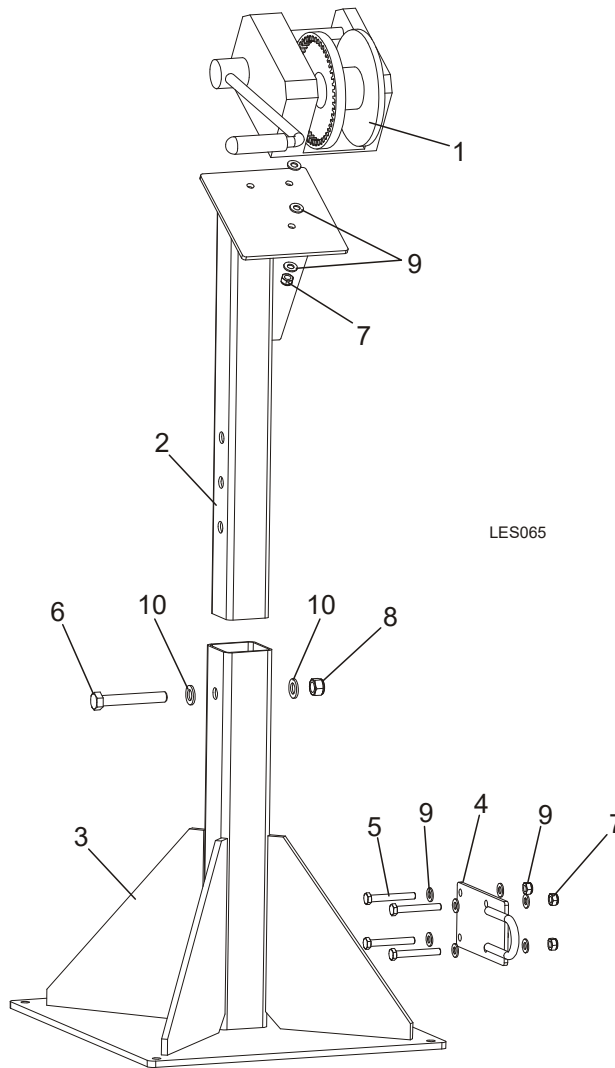
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>LOADING RAMP, LES</b>	500795	1
1	Spring, $\phi 1.9 \times \phi 14.2 \times 104$	091865	2
2	Foot, LES Loading Ramp	500788-1	1
3	Loading Ramp, LES	500790-1	1
4	Plate, LES Log w/Teeth	500799-1	2
5	Bolt, M10X50-8.8 Hex Head Full Thread Zinc	F81003-4	2
6	Bolt, M10x110 8.8 Hex Head Zinc	F81003-43	2
7	Bolt, M12X115-8.8 Hex Head Zinc	F81004-33	2
8	Bolt, ISO 24014 M16 X 120 8.8 A2E	F81006-25	1
9	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	2
10	Nut, M10-8-B Hex Zinc	F81033-3	2
11	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	2
12	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	1
13	Washer, 10.5 Zinc Flat	F81055-1	8
14	Washer, 13 Flat Zinc	F81056-1	4
15	Washer, 17 Flat Zinc	F81058-1	2

### 9.3 Manual Toe Board



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>TOE BOARD KIT, MANUAL REAR</b>	094928	2
1	Plate Weldment, Manual Toe Board Rear	094926-1	1
2	Extension, Manual Toe Board Plate (II)	095202-1	1
3	Shaft, Manual Toe Board	090344-1	2
4	Nut, Special Threaded	090017	2
5	Pivot, Manual Toe Board Shaft (I)	094931-1	2
6	Ring, Z 22 Outside Retaining	F81090-24	2
7	Bearing, 5/8" Thrust	P04214	2
8	Collar, 16	F81039-6	2
9	Pin, 5x35-N-C PN-EN ISO 8752 Roll	F81044-9	6
10	Pin, 4x30 Zinc Roll	F81044-7	2
11	Bolt, M8 x 25-8.8-B Hex Head Full Thread Zinc	F81002-5	6
12	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	6
13	Pin, S-Zn 4x25 Cotter	F81043-2	1
	<b>CRANK ASSEMBLY, MANUAL TOE BOARD</b>	500600	1
14	Crank, Manual Toe Board	500599-1	1
15	Knob, Plastic Crank Handle	086338	1
16	Nut, M10-8-B Nylon Hex Zinc Lock	F81033-1	1

9.4 Winch Option

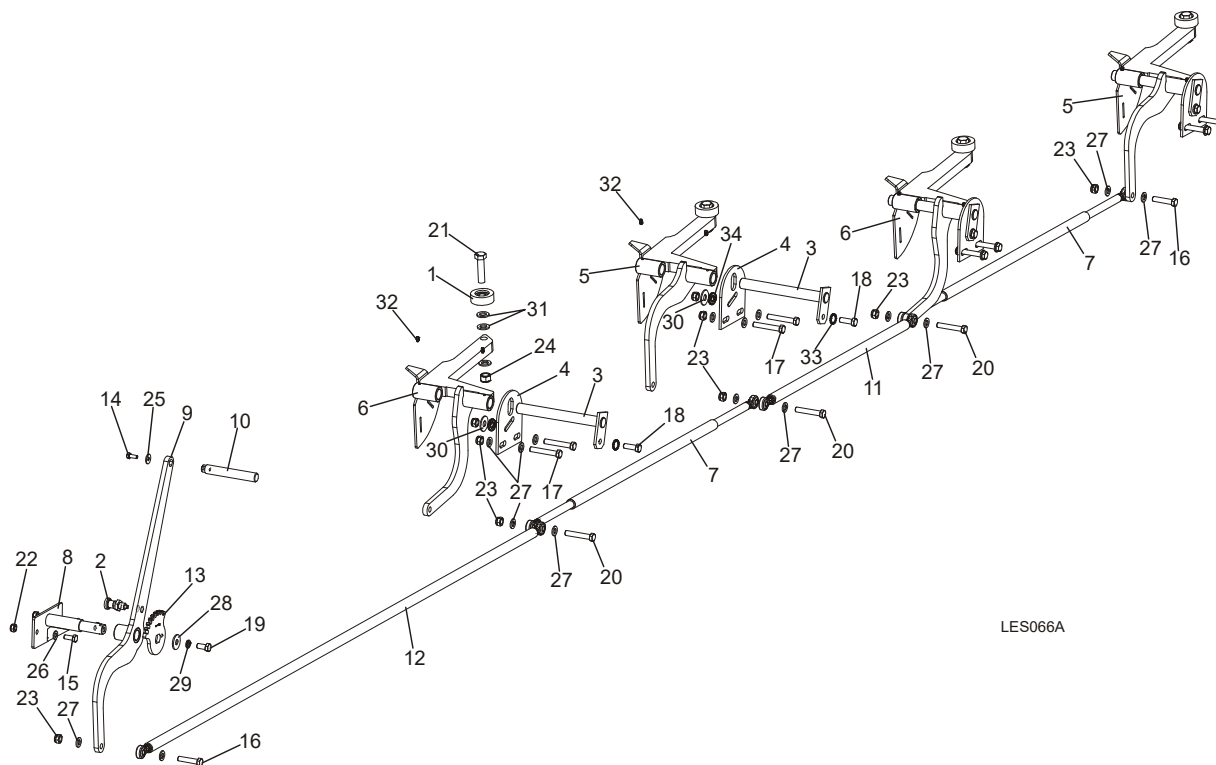


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>WINCH ASSEMBLY, LES</b>	501341	1
1	WINCH, AL-KO TYPE 901	096453	1
2	TUBE, VERTICAL OUTRIGGER	501128-1	1
3	BASE WDMT, WINCH	502068-1	1
4	BRACKET, CABLE	502418-1	1
5	BOLT, M10x75-8.8 HEX HEAD ZINC	F81003-15	4
6	BOLT, M16x110-8.8 HEX HEAD ZINC	F81006-24	1
7	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	7
8	NUT, M16 HEX NYLON ZINC LOCK	F81036-2	1
9	WASHER, 10.5 FLAT ZINC	F81055-1	14
10	WASHER, 17 FLAT ZINC	F81058-1	2

# 9 Log Clamp, Loading Ramp & Toe Board

## Log Side Supports w/Lever Option

### 9.5 Log Side Supports w/Lever Option



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	<b>SUPPORT KIT, LOG SIDE W/LEVER</b>	<b>503672</b>	<b>1</b>
1	ROLLER ASSY, SIDE SUPPORT	015014	4
2	PIN, DETENT	090197	1
3	PIN, SIDE SUPPORT ZINC-PLATED	091549-1	4
4	PLATE, LOG SIDE SUPPORT MOUNT	091591-1	4
5	SIDE SUPPORT, W/COVER 1	502955-1	2
6	SIDE SUPPORT, W/COVER 2	502958-1	2
7	STRING, EXTREME COMPLETE	502961	2
8	SHAFT WELDMENT, COMPLETE	502966-1	1
9	LEVER	502977-1	1
10	KNOB, LEVER	502979	1
11	STRING, MIDDLE COMPLETE	502980	1
12	STRING, LEVER COMPLETE	502981	1
13	BLOCK, SIDE SUPPORT LEVER	502982-1	1
14	BOLT, M8X20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	1
15	BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC	F81003-11	2
16	BOLT, M12X55-8.8 HEX HEAD ZINC	F81004-12	2
17	BOLT, M12 X 75-8.8 ZINC	F81004-21	8
18	BOLT, M12 X 35-8.8-FE/ZN5 HEX HEAD FULL THREAD	F81004-24	4
19	BOLT, M12X25-8.8 HEX HEAD FULL THREAD ZINC	F81004-31	1
20	BOLT, M12x70 8.8 HEX HEAD ZINC	F81004-39	3
21	BOLT, M16x65-8.8 HEX HEAD FULL THREAD ZINC	F81006-1	4
22	NUT, M10-8-B HEX NYLON ZINC LOCK	F81033-1	2

# Log Clamp, Loading Ramp & Toe Board

## *Log Side Supports w/Lever Option*

9

23	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	17	
24	NUT, M16,HEX, NYLON ZINC LOCK	F81036-2	4	
25	WASHER, 8.5 FLAT, ZINC SPECIAL	F81054-11	1	
26	WASHER, 10.5 FLAT ZINC	F81055-1	2	
27	WASHER, 13 FLAT ZINC	F81056-1	26	
28	WASHER, 13 SPECIAL FLAT ZINC	F81056-14	1	
29	WASHER, Z12.2 SPLIT LOCK ZINC	F81056-2	1	
30	WASHER, 15 SPECIAL FLAT ZINC	F81057-3	1	
31	WASHER, 17 FLAT ZINC	F81058-1	12	
32	FITTING, 3/16X3/16 STRAIGHT GREASE	P04107	9	
33	WASHER, SPECIAL BOSART/2S, BN781 M12/13	F81056-16	4	
34	WASHER, SPECIAL BOSART/2S M12/12.3/30.3	F81056-17	4	