

Parts Manual

WM4500

rev. A1.00 - A3.01



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

Form #2354

California
Proposition 65 Warning



WARNING: Breathing gas/diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always start and operate the engine in a well-ventilated area.
If in an enclosed area, vent the exhaust to the outside.
Do not modify or tamper with the exhaust system.
Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov.



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information go to www.P65Warnings.ca.gov/wood.

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Indianapolis, Indiana 46214

Table of Contents

Section-Page

SECTION 1	GENERAL INFORMATION	1-1
1.1	How To Use The Parts List	1-1
1.2	Sample Assembly	1-1
SECTION 2	BLADE GUIDES & ARM	2-1
2.1	Blade Guides (Standard).....	2-1
2.2	Blade Guide Assembly, Idle Side (Standard).....	2-2
2.3	Blade Guide Assembly, Drive Side (Standard).....	2-4
2.4	Blade Guide Arm.....	2-6
SECTION 3	BLADE WHEELS & TENSIONER	3-1
3.1	Drive Shaft Assembly.....	3-1
3.2	Idle Shaft/Brake Drum	3-2
3.3	Blade Wheel Assembly, Drive Side	3-3
3.4	Blade Wheel Assembly, Idle Side	3-4
3.5	Blade Wheel Scapers.....	3-5
3.6	Brake Assembly.....	3-6
SECTION 4	SAW HEAD	4-1
4.1	Board Return	4-1
4.2	Board Return Guide.....	4-2
4.3	Covers & Sawdust Chute.....	4-4
4.4	Blow-Off Assembly.....	4-6
4.5	Laser Assembly	4-7
4.6	Decals	4-9
4.7	Head/Air Box Control Assembly	4-11
4.8	Head/Air Box Control (Part A)	4-12
4.9	Head/Air Box Control (Part B).....	4-14
4.10	Head/Air Box Control (Terminal Block)	4-16
4.11	Debarker Air Box Assembly	4-17
4.12	Blade Motor Drive Assembly.....	4-18
4.13	Tension System	4-20
SECTION 5	UP/DOWN SYSTEM	5-1
5.1	Mast Pads & Rollers.....	5-1
5.2	Up/Down Ballscrew Drive	5-3
5.3	Ballscrew Mount (Middle)	5-5
5.4	Ballscrew Mount (Top)	5-7
5.5	Head Stop	5-8
5.6	Up/Down Energy Chain Assembly	5-9

Table of Contents

Section-Page

SECTION 6	POWER FEED	6-1
6.1	Upper Track Rollers & Rails.....	6-1
6.2	Upper Roller Block Assembly.....	6-3
6.3	Lower Track Rollers.....	6-4
6.4	Power Feed Drive Motor.....	6-6
	<i>WM4500Rev A1.00 - A2.00</i>	
6.5	Power Feed Drive Motor.....	6-8
	<i>WM4500Rev A2.01 +</i>	
6.6	Power Feed Drive Block Assembly.....	6-10
	<i>WM4500 Rev A2.01 +</i>	
6.7	Feed Chain & Stops.....	6-11
6.8	Lower Wireway.....	6-12
SECTION 7	BED FRAME	7-1
7.1	Front Hydraulic Hose Duct.....	7-1
7.2	Middle Hydraulic Hose Duct.....	7-2
7.3	Rear Hydraulic Hose Duct.....	7-3
7.4	Front Hydraulic Hose Duct.....	7-4
7.5	Rear Hydraulic Hose Duct.....	7-5
7.6	Bed Rail Assembly.....	7-6
7.7	Rear Bumper.....	7-7
7.8	Front Bumper.....	7-8
7.9	Side Support Sensor Guard.....	7-9
7.10	WM4000 Belt Conveyor.....	7-10
7.11	Belt Conveyor Drive Assembly.....	7-12
7.12	Belt Conveyor Pulley.....	7-14
7.13	Idle-Side Roller.....	7-15
7.14	Wireway Kit (Option w/o Pantograph).....	7-16
7.15	Cable Carrier (Option w/o Pantograph).....	7-18
7.16	Bed Frame Leg Base.....	7-19
7.17	Bed Frame & Log Turner Leg Base.....	7-20
7.18	Board Removal Bumper Assembly.....	7-21
7.19	Transport Bracket.....	7-23
SECTION 8	HYDRAULICS	8-1
8.1	Power Roller, Right & Left.....	8-1
8.2	Hydraulic Toe Board, WM4000.....	8-3
8.3	Chain Log Turner.....	8-5
8.4	Chain Log Turner.....	8-7
8.5	Hydraulic Log Side Supports.....	8-8
8.6	Hydraulic Log Side Support.....	8-9
8.7	Two-Plane Hydraulic Log Clamp (Middle).....	8-11
8.8	Hydraulic Log Clamp (Optional).....	8-13
8.9	Hydraulic Log Clamp.....	8-15

Table of Contents

Section-Page

8.10	Hydraulic Power Unit.....	8-17
8.11	Hydraulic Control Box	8-19
8.12	D03 Valve Manifold.....	8-20
8.13	D05 Valve Manifold.....	8-21
SECTION 9 MISCELLENEOUS		9-1
9.1	Manuals	9-1
9.2	Tools	9-2
9.3	Pantograph Assembly	9-3
9.4	Lift Kit, 12”	9-5
SECTION 10 OPERATOR STATION		10-1
10.1	Frame, Rails & Ladder	10-1
10.2	Seat & Joystick Controls	10-3
10.3	Control Box Assembly	10-5
10.4	Junction Control Assembly	10-7
10.5	Cab.....	10-1
10.6	Rear Panel.....	10-2
10.7	Right Panel	10-4
10.8	Front Panel.....	10-6
10.9	Roof.....	10-8
10.10	Air Supply	10-9
10.11	Turner Down Flow Divider	10-11
10.12	Air Conditioning/Heat Assembly (Optional)	10-12
SECTION 11 PRESSURE LUBE SYSTEM		11-1
11.1	Pressure Lube System.....	11-1
11.2	Lube Manifold Assembly	11-3
11.3	Lubie Mister Assembly	11-1
SECTION 12 BED EXTENSION OPTION		12-1
12.1	Bed Extension Complete (BX6).....	12-1
12.2	Bed Rail (BX6).....	12-3
12.3	Bed Extension Connection Bracket (BX6).....	12-4
12.4	Bed Extension Connector (BX6).....	12-5
12.5	Bed Extension Complete (BX6).....	12-6
INDEX		I

SECTION 1 GENERAL INFORMATION

1.1 How To Use The Parts List

- Use the table of contents or index 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.

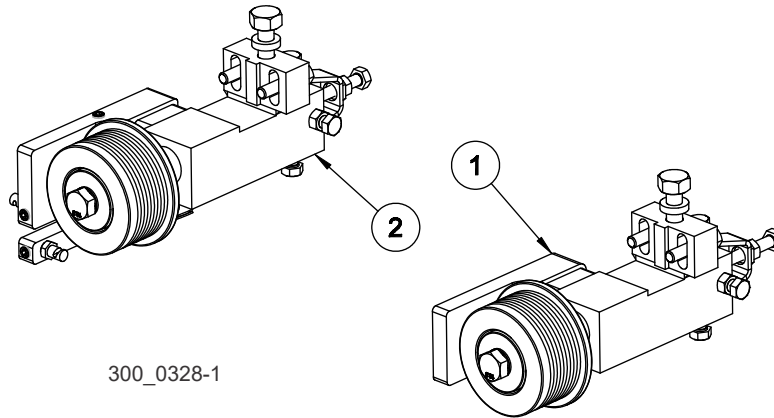
1.2 Sample Assembly				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	SAMPLE ASSEMBLY, COMPLETE (INCLUDES ALL INDENTED PARTS BELOW)	A01111	1	
1	Sample Part	F02222-22	1	
	Sample Subassembly (Includes All Indented Parts Below)	A03333	1	
2	Sample Part (◆ Indicates Part Is 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 the continental U.S., call **1-800-525-8100** to order parts. 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.

SECTION 2 BLADE GUIDES & ARM

2.1 Blade Guides (Standard)



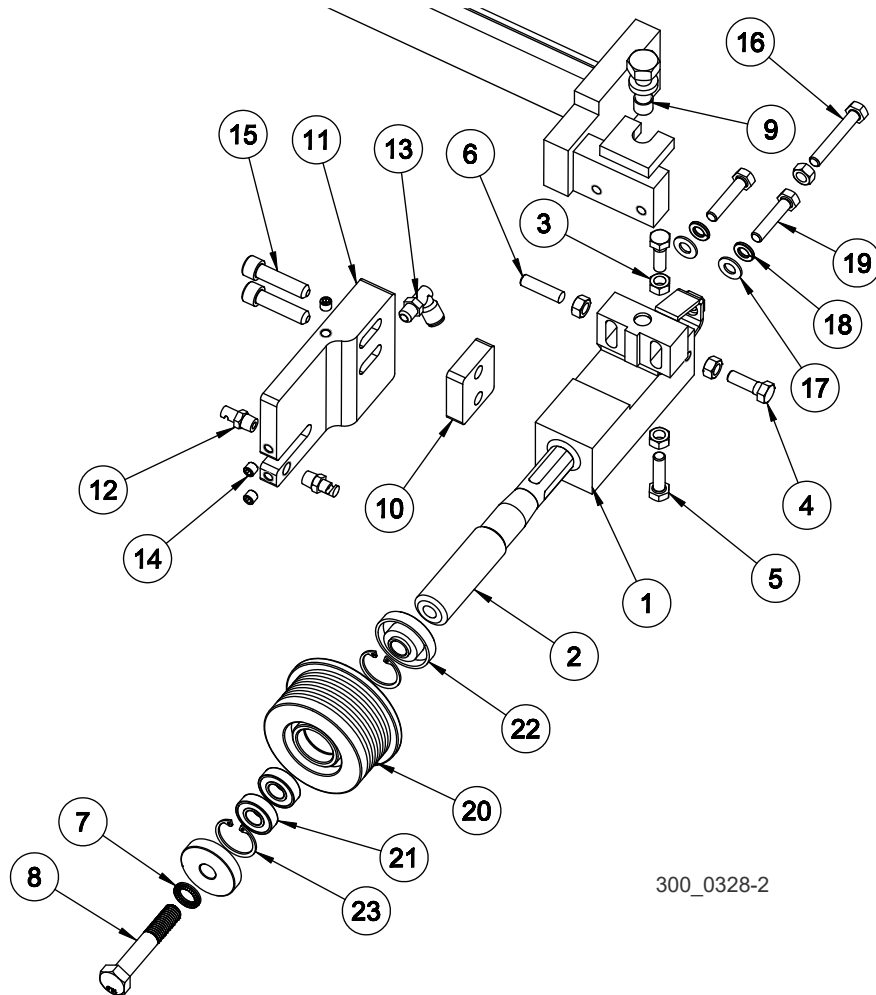
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	ASSEMBLY, WM4500 IDLE 3IN BLADE GUIDE PARTS (See Section 2.2)	N/A	1
2	ASSEMBLY, WM4500 DRIVE 3IN BLADE GUIDE PARTS (See Section 2.3)	N/A	1

2 Blade Guides & Arm

Blade Guide Assembly, Idle Side (Standard)

2.2 Blade Guide Assembly, Idle Side (Standard)



REF	DESCRIPTION (◆ INDICATES PARTS AVAILABLE IN ASSEMBLIES ONLY)	PART #	QTY.
	ASSEMBLY, WM4500 IDLE 3IN BLADE GUIDE	104261	1
1	Weldment, 3in Drive/Idler Guide Mount	104262	1
2	Shaft, Blade Guide Roller Mount	104269	1
3	Nut, 5/16-18 Hex	F05010-17	5
4	Bolt, 5/16-18x1 Hex Head SS	F05006-88	2
5	Bolt, 5/16-18x1-1/4 Hex Head SS 18-8	F05006-118	1
6	Screw, 5/16-18x1-1/4 SHOP Set	F05006-126	1
7	Washer, 1/2 Nord-Lock Zpl	F05011-125	1
8	Bolt, M12-1.75x70 Hex Head CL10.9 Zinc	F05023-14	1
9	Bolt, B/G Vertical Adjuster	035656	1
10	Block, Ind B/G Spacer	104267	1
11	Block, Ind Waterlube	104265	1

Blade Guides & Arm

Blade Guide Assembly, Idle Side (Standard)

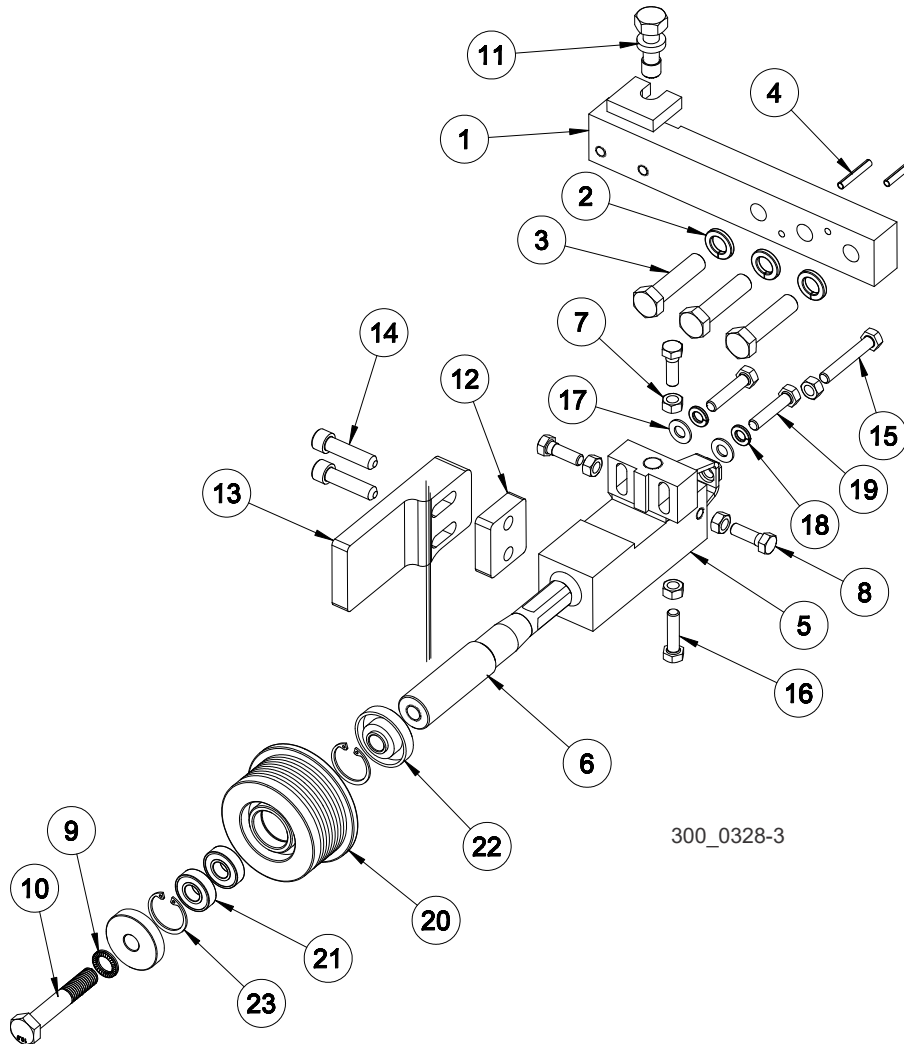
2

12	Nozzle, Blade Lube Spray	033479	2	
13	Elbow, 90 Deg 1/8MPT 1/4 Tube Swivel	P09736	1	
14	Plug, 1/16 NPT	007734	3	
15	Screw, 3/8-16x1 1/2 SH BO	F05007-36	2	
16	Bolt, 5/16-18x2 FT Hex Head BO Gr8	F05006-138	1	
17	Washer, 5/16 SAE Flat	F05011-17	2	
18	Washer, 5/16 Split Lock	F05011-13	2	
19	Bolt, 5/16-18x1 1/2 Hex Head GR5 FT	F05006-76	2	
	ASSEMBLY, BLADE GUIDE ROLLER 3X1 7/16	104151	1	
20	Roller, 3x1 7/16 Blade Guide	104152	1	
21	Bearing, 6001 2RSR (FAG, SKF).	087893	2	
22	Dust Cap, Blade Guide Roller	087892-1	2	
23	Ring, W28 wg PN/M-85111. Retaining	F81090-9	2	

2 Blade Guides & Arm

Blade Guide Assembly, Drive Side (Standard)

2.3 Blade Guide Assembly, Drive Side (Standard)



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	WELDMENT, B/G DRIVE SIDE MOUNT ARM	074987	1	
2	WASHER, 1/2 SPLIT LOCK	F05011-9	3	
3	BOLT, 1/2-20X2 HEX HEADC,FT,ZN	F05008-126	3	
4	PIN, 3/16X1 1/4 ROLL	F05012-16	2	
	ASSEMBLY, WM4500 DRIVE 3IN BLADE GUIDE	104260	1	
5	Weldment, 3in Drive/Idler Guide Mount	104262	1	
6	Shaft, Blade Guide Roller Mount	104269	1	
7	Nut, 5/16-18 Hex	F05010-17	5	
8	Bolt, 5/16-18x1 Hex Head SS	F05006-88	2	
9	Washer, 1/2 Nord-Lock Zpl	F05011-125	1	
10	Bolt, M12-1.75x70 Hex Head CL10.9 Zinc	F05023-14	1	
11	Bolt, B/G Vertical Adjuster	035656	1	

Blade Guides & Arm 2

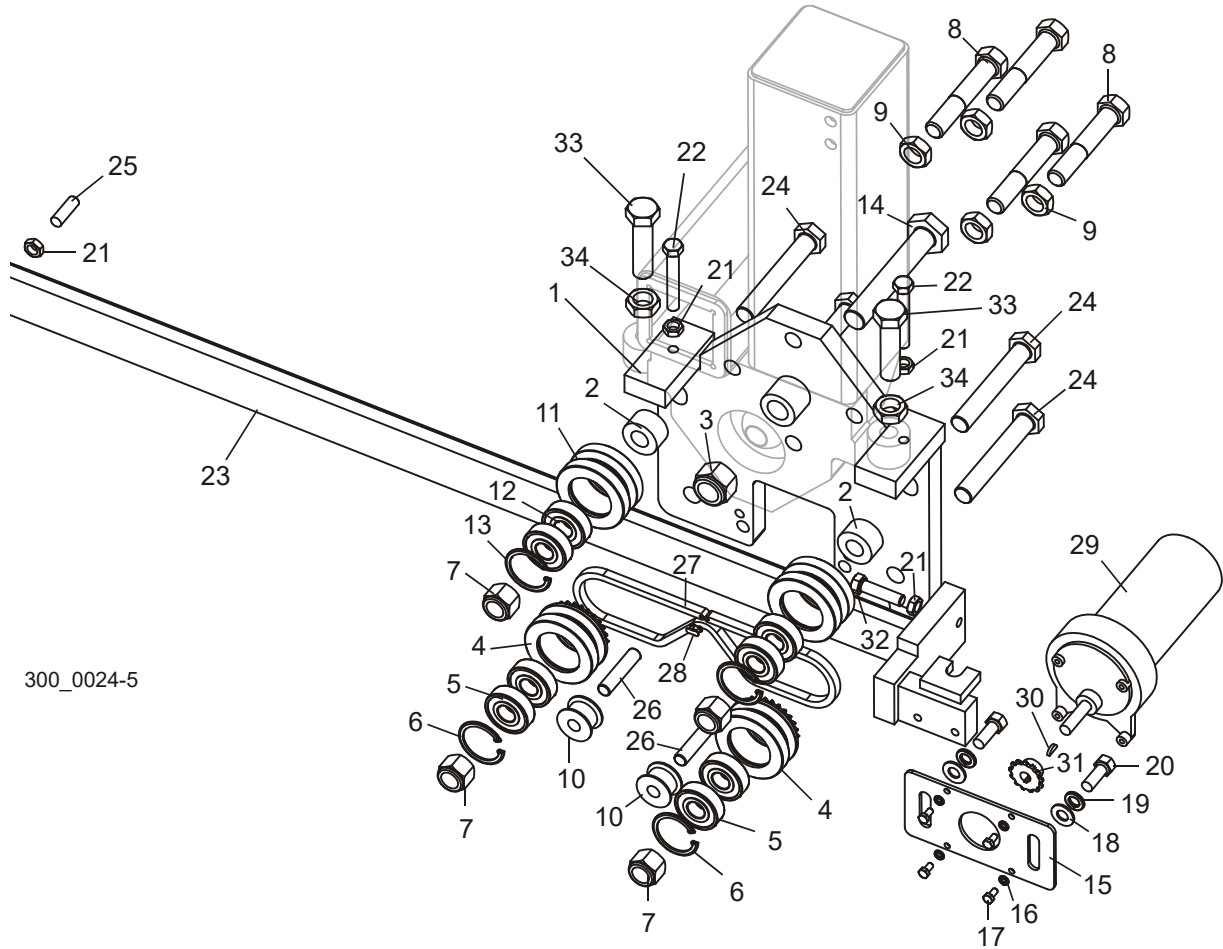
Blade Guide Assembly, Drive Side (Standard)

12	Block, Ind B/G Spacer	104267	1	
13	Block, Ind B/G Shield	104266	1	
14	Screw, 3/8-16x1 1/2 SH BO	F05007-36	2	
15	Bolt, 5/16-18x2 FT Hex Head BO Gr8	F05006-138	1	
16	Bolt, 5/16-18x1-1/4 Hex Head SS 18-8	F05006-118	1	
17	Washer, 5/16 SAE Flat	F05011-17	2	
18	Washer, 5/16 Split Lock	F05011-13	2	
19	Bolt, 5/16-18x1 1/2 Hex Head GR5 FT	F05006-76	2	
	ASSEMBLY, BLADE GUIDE ROLLER 3X1 7/16	104151	1	
20	Roller, 3x1 7/16 Blade Guide	104152	1	
21	Bearing, 6001 2RSR (FAG, SKF).	087893	2	
22	Dust Cap, Blade Guide Roller	087892-1	2	
23	Ring, W28 wg PN/M-85111. Retaining	F81090-9	2	

2 Blade Guide Rollers & Arm

Blade Guide Arm

2.4 Blade Guide Arm



300_0024-5

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PLATE ASSEMBLY, BLADE GUIDE ARM (WM3500/WM4000/WM4500)	006703	1
	Blade Guide Parts (See Section 2.6)		
1	Plate Weldment, Blade Guide Arm	042539	1
2	Spacer, .625" x .717" x 1 1/4"	042531	4
3	Nut, 3/4-16 Hex Nylon Lock	F05010-157	1
	Roller Assembly, Blade Guide Arm Drive	042542	2
4	Roller, Blade Guide Arm W/Sprocket	042541	1
5	Bearing, 5/8" x 1.5748" x .4724"	P06030-1	2
6	Ring, 1.575" ID Beveled 5002-156 Retaining	F04254-8	1
7	Nut, 5/8-18 Hex Nylon Lock	F05010-71	4
8	Bolt, 5/8-16 x 3 1/2" Hex Head Full Thread	F05009-16	4
9	Nut, 5/8-18 Hex Jam	F05010-11	4
10	Roller, Chain Idler	S09999	2
	Roller Assembly, Blade Guide Arm Idle	042543	2

Blade Guide Rollers & Arm

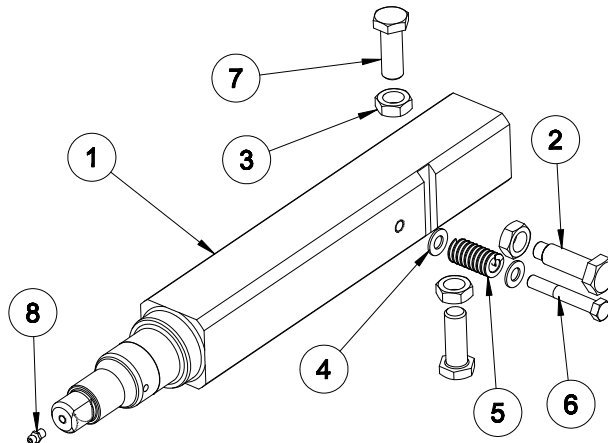
Blade Guide Arm

2

11	Roller, 2 1/2" V-Groove	042536	1	◆
12	Bearing, 5/8" x 1.5748" x .4724"	P06030-1	2	
13	Ring, 1.575" ID Beveled 5002-156 Retaining	F04254-8	1	
14	Bolt, 3/4-16 x 4 1/2" Hex Head Grade 8	F05009-97	1	
15	Plate, Blade Guide Arm Motor Mount	042519	1	
16	Washer, #10 Split Lock	F05011-20	4	
17	Screw, #10-32 x 1/2" Hex Head Machine	F05004-60	4	
18	Washer, 3/8" SAE Flat	F05011-3	2	
19	Washer, 3/8" Split Lock	F05011-4	2	
20	Bolt, 3/8-16 x 1" Hex Head	F05007-7	2	
21	Nut, 3/8-16 Hex Jam	F05010-29	3	
22	Bolt, 3/8-16 x 2 1/2" Hex Head Full Thread Grade 2	F05007-157	2	
23	Arm Weldment, WM3500 Blade Guide	006704	1	
24	Bolt, 5/8-18 x 3 1/4" Hex Head Grade 5	F05009-98	4	
25	Screw, 3/8-16 x 1 1/4" Socket Head Oval Point Set	F05007-18	1	
26	Pin, 7/16" x 2" Dowel	F05012-110	2	
27	Chain, #25 x 92 Pitch	042443	1	
28	Link, #25 Master	P09983	1	
29	Motor Assembly, 24V 60RPM Gear	035659	1	
	Motor, 24V 1/15HP Gear	033119	1	
	Housing, Klauber Motor End	P12756	1	
	Shaft, Blade Guide Arm Gear Motor	036514	1	
	Gear Kit, Blade Guide Arm Gear Motor	036515	1	
30	Key, #304 Woodruff	036203	1	
31	Sprocket, 25B13x 3/8" w/Set Screw	033120	1	
32	Bolt, 3/8-16 x 1 1/2" Hex Head Full Thread	F05007-17	1	
33	BOLT, 5/8-18 X 2 1/2" HEX HEAD FULL THREAD GRADE 5	F05009-99	2	
34	NUT, 5/8-18 HEX JAM	F05010-11	2	

SECTION 3 BLADE WHEELS & TENSIONER

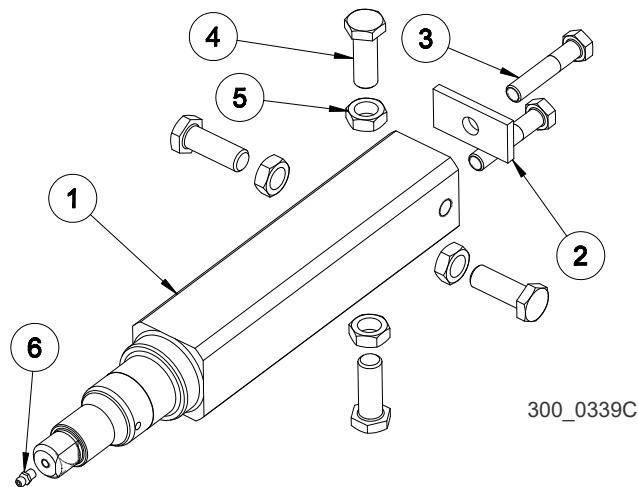
3.1 Drive Shaft Assembly



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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, DRIVE SPINDLE	113249	1
1	Shaft, Drive Spindle Stressproof	115233	1
2	Bolt, Drive Wheel Retaining	034360	1
3	Nut, 5/8-18 Hex Jam	F05010-11	3
4	Washer, 3/8 Flat SAE	F05011-3	2
5	Spring, 3/4 O.D.x 1 1/2 Die	034430	1
6	Bolt, 3/8-16 x 2 1/2 Hex Head Gr2 Znc	F05007-47	1
7	Bolt, 5/8-18x1 3/4 Hex Head Gr5	F05009-95	2
8	Fitting, 1/4-28 Grease	P05060	1

3.2 Idle Shaft/Brake Drum

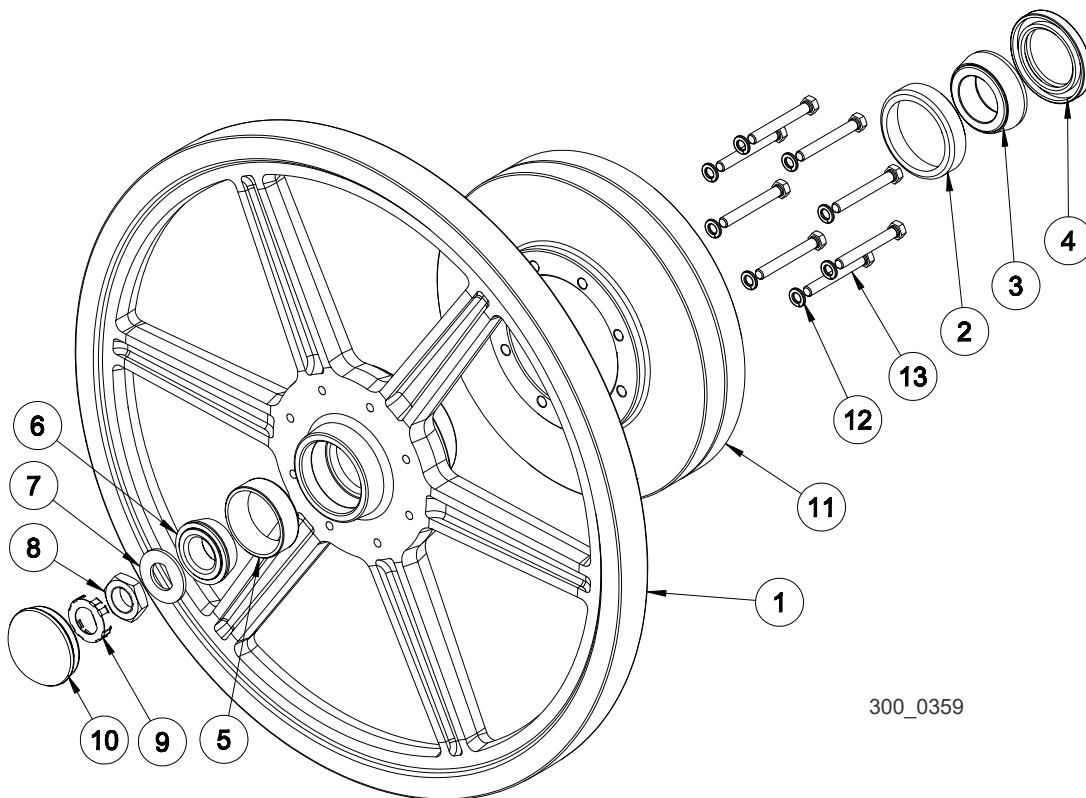


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, IDLER SPINDLE	113247	1
1	Shaft, Spindle Stressproof	115232	1
2	Washer Plate, Idle Spindle	042548	1
3	Bolt, 1/2-20x2-1/2 Hex Head FT Gr5	F05008-135	2
4	Bolt, 5/8-18x1 3/4 Hex Head Gr5	F05009-95	4
5	Nut, 5/8-18 Hex Jam	F05010-11	4
6	Fitting, 1/4-28 Grease	P05060	1

3 Blade Wheels & Tensioner

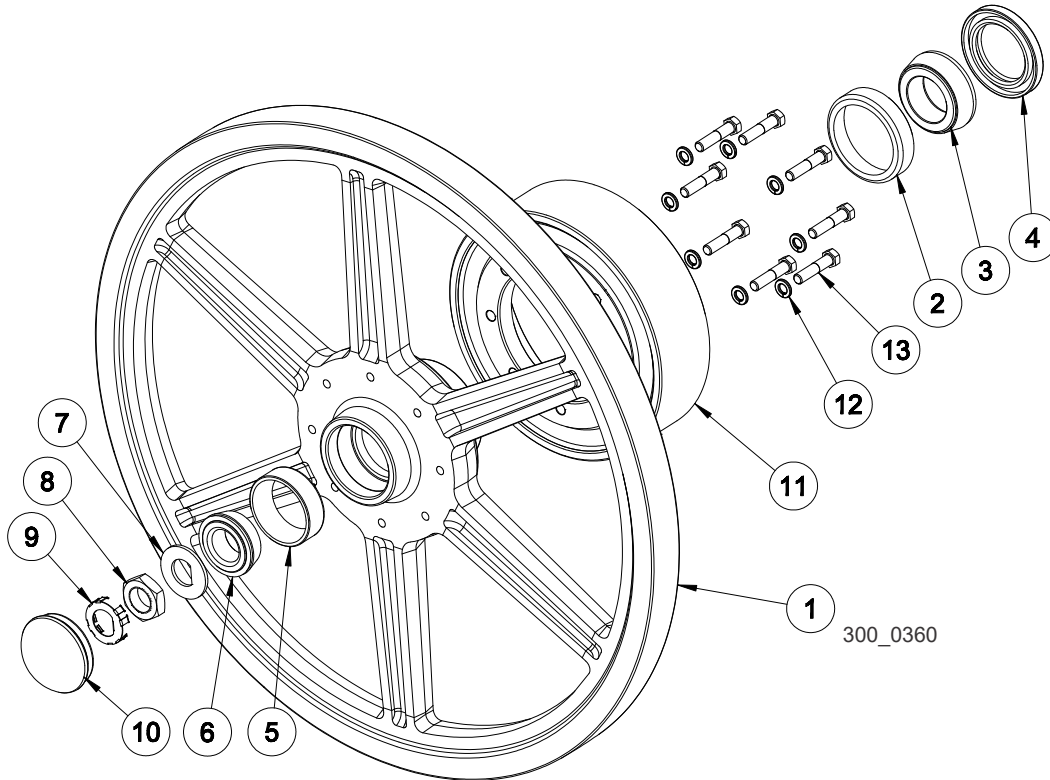
Blade Wheel Assembly, Drive Side

3.3 Blade Wheel Assembly, Drive Side



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	◆
	WHEEL ASSEMBLY, MARTIN CROWNED	113628	1	◆
	Wheel Kit, WM4500, Crowned (Comes with items 1 through 6)	110957	1	
1	Wheel, 25" Martin Cast Blade	113626	1	
	Kit, Blade Wheel Bearing (Comes with items 2 through 6)	061227	1	
2	Race, Inner Bearing	045209	1	
3	Bearing, Inner	045208	1	
4	Seal, Blade Wheel	045212	1	
5	Race, Outer Bearing	045211	1	
6	Bearing, Outer	045210	1	
7	Washer, Spindle D	045214	1	
	Nut Assembly, Spindle	007656	1	
8	Nut, 1-14 Spindle	007654	1	
9	Retainer, Spindle Nut	007655	1	
10	Cap, 8 Lug Hub Dust	033238	1	
11	Sheave, LT300 Driven, Eagle PD	046897	1	
12	Washer, 3/8 Split Lock	F05011-4	8	
13	BOLT, 3/8-16X3 Hex Head FULL THRD, ZN	F05007-1	8	

3.4 Blade Wheel Assembly, Idle Side

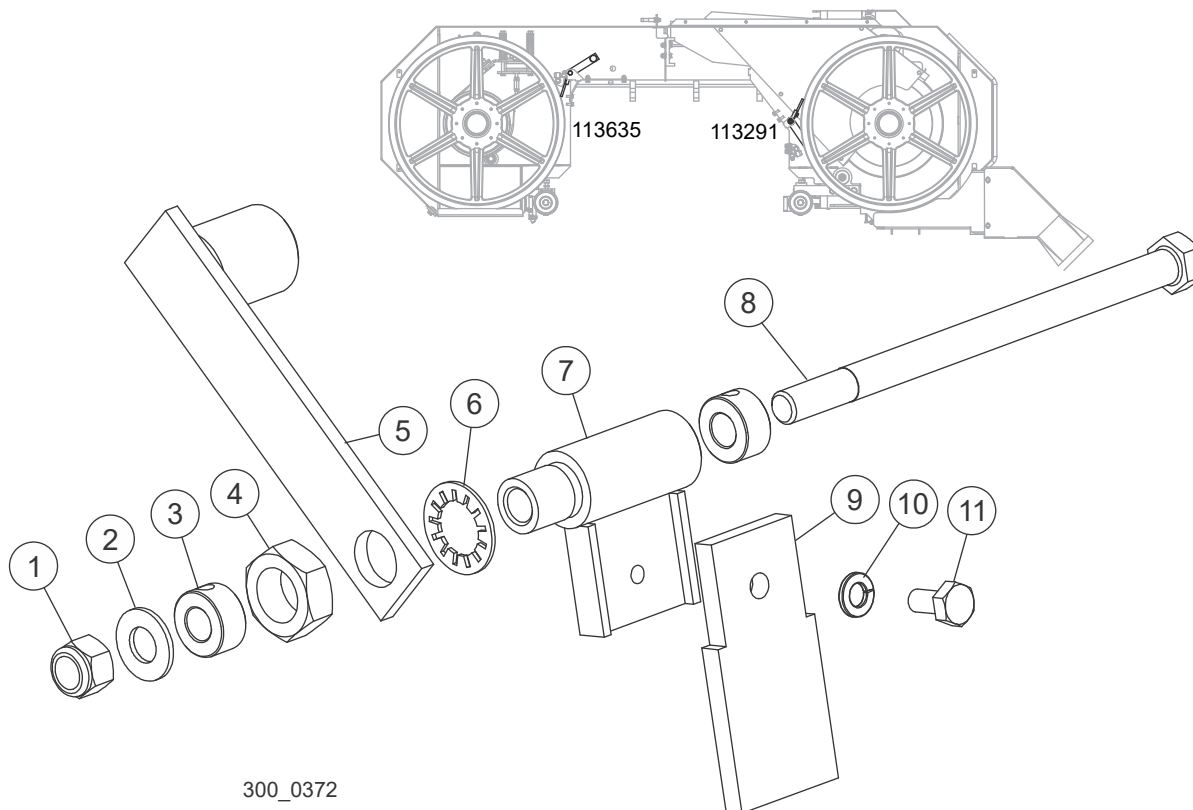


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	WHEEL ASSEMBLY, MARTIN CROWNED	113627	1	◆
	Wheel Kit, WM4500, Crowned (Comes with items 1 through 6)	110957	1	
1	Wheel, 25" Martin Cast Blade	113626	1	
	Kit, Blade Wheel Bearing (Comes with items 2 through 6)	061227	1	
2	Race, Inner Bearing	045209	1	
3	Bearing, Inner	045208	1	
4	Seal, Blade Wheel	045212	1	
5	Race, Outer Bearing	045211	1	
6	Bearing, Outer	045210	1	
7	Washer, Spindle D	045214	1	
	Nut Assembly, Spindle	007656	1	
8	Nut, 1-14 Spindle	007654	1	
9	Retainer, Spindle Nut	007655	1	
10	Cap, 8 Lug Hub Dust	033238	1	
11	Drum, Brake	045004	1	
12	Washer, 3/8 Split Lock	F05011-4	8	
13	Bolt, 3/8-16x 1-3/4 Hex Head Gr8	F05007-119	8	

3 Blade Wheels & Tensioner

Blade Wheel Scrapers

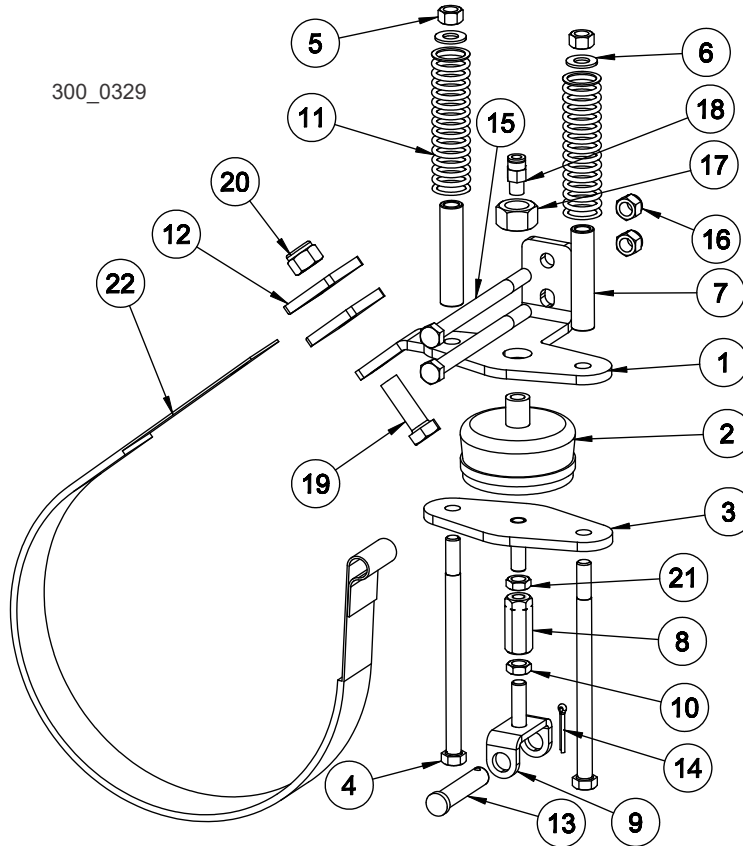
3.5 Blade Wheel Scrapers



REF	DESCRIPTION (♦ Indicates Parts Available in Assemblies Only)	PART #	QTY.
	ASSY, IDLE WHEEL SCRAPER ¹	113635	1
	ASSY, DRIVE WHEEL SCRAPER	113291	1
1	Nut, 3/8-16 Hex Nyloc	F05010-10	1
2	Washer, 3/8 Flat SAE	F05011-3	1
3	Collar, 3/8 ID Shaft	042249	2
4	Nut, 5/8-11 Jam	F05010-82	1
5	Weldment, Scraper Weight	042248	1
6	Washer, 5/8 Star IT	F05011-25	1
7	Weldment, Wheel Scraper Pivot	042240	1
8	Bolt, 1/4-20x1/2 HH->	F05005-15	1
9	Scaper, Brass 1-1/2	113636	1
10	Washer, 1/4 Split Lock	F05011-14	1
11	Screw, 3/8-16x6 HHC	F05007-45	1

¹ The difference between the idle and drive assemblies is the orientation of the parts.

3.6 Brake Assembly



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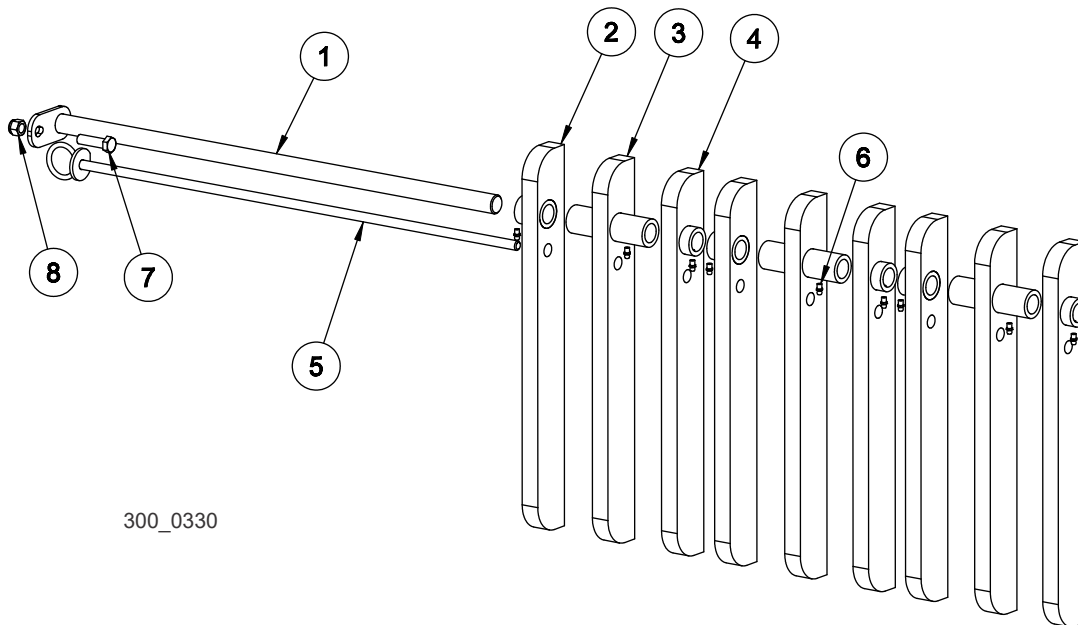
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, BRAKE ACTUATOR	113251	1
1	Plate, Brake Top	113252	1
2	Air Bag, Brake	033168	1
3	Weldment, Bottom Brake Plate	033172	1
4	Bolt, 3/8-16 X 6 Hex Headb Zinc	F05007-45	2
5	Nut, 3/8-16 Swaged	F05010-25	2
6	Washer, 3/8 Flat SAE	F05011-3	2
7	Spacer, Spring Travel	033169	2
8	Adjuster, Brake Link	033174	1
9	Weldment, Brake Link	033175	1
10	Nut, 3/8-24 UNC Hex Jam	F05010-22	1
11	Spring, Brake	033171	2
12	Plate, 1/4x1 3/4x1 3/4 Brake Strap	S04195	2
13	Pin, 1/2x2 1/4 Clevis	F05012-81	1
14	Pin, 1/8x1 Cotter	F05012-1	1
15	Bolt, 3/8-16x5 Hex Head GR2 Zinc	F05007-5	2

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

16	Nut, 3/8-16 Hex Nyl Lock	F05010-10	2	
17	Nut, 5/8-11 Hex	F05010-5	1	
18	Fitting, 1/8NPTx1/4TB	P03078	1	
19	Bolt, 1/2-13x1 1/2 Hex Head	F05008-4	1	
20	Nut, 1/2-13 Nyl Hex Lock	F05010-8	1	
21	Nut, 3/8-24 LH Jam	F05010-166	1	
22	Band, 9 1/2 Dia Brake	033178	1	

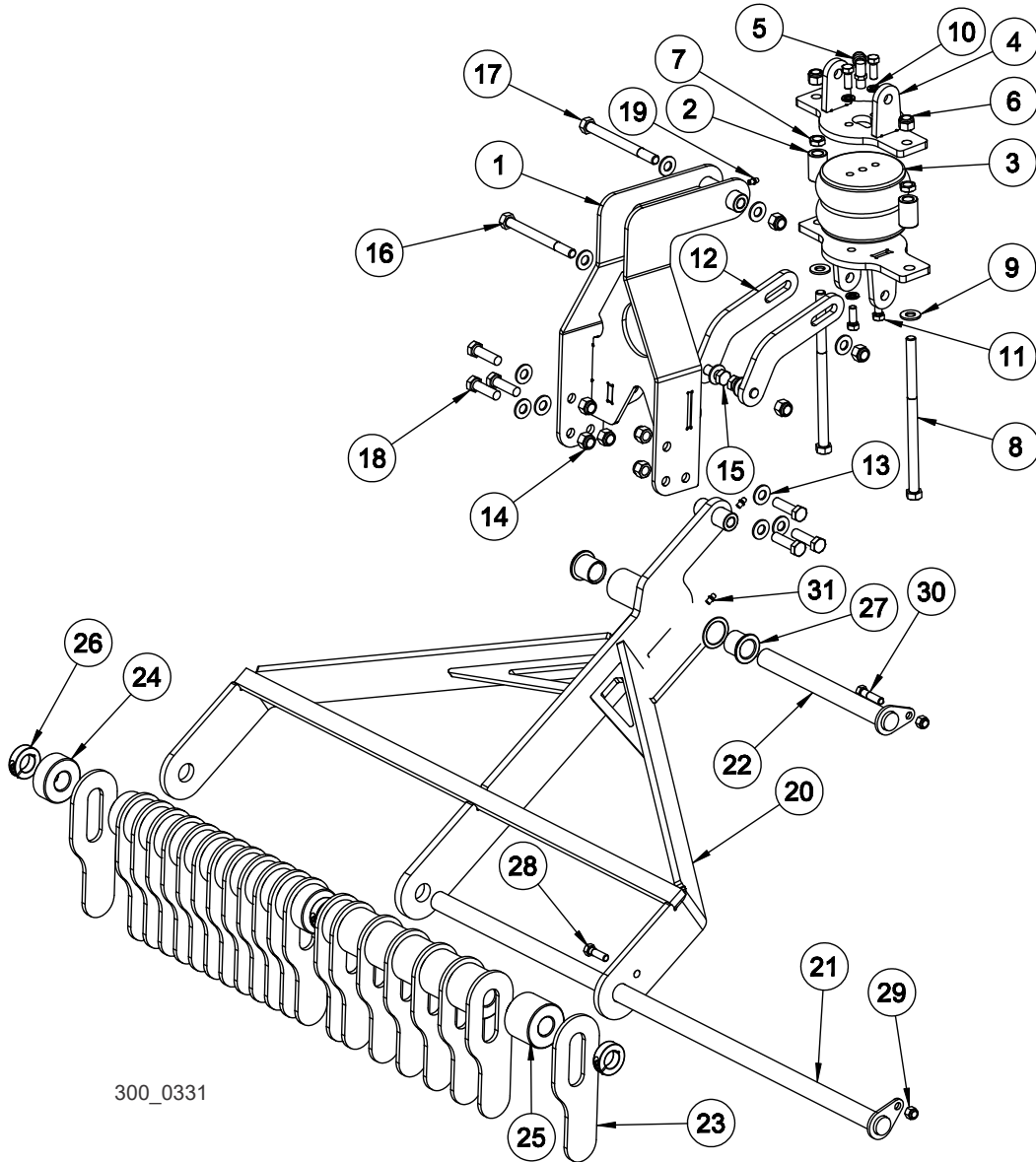
SECTION 4 SAW HEAD

4.1 Board Return



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BOARD RETURN ASSEMBLY, PRIMARY	115138	1
1	Pin Weldment, Brd Rtn Pivot	115139	1
2	Weldment, LT300 Right Brd Rtn Arm	003660	3
3	Weldment, LT300 Middle Brd Rtn Arm	003661	3
4	Weldment, LT300 Left Brd Rtn Arm	003659	3
5	Weldment, Support Pin	115229	1
6	Fitting, 1/4-28 Grease	P05060	9
7	Bolt, 1/2-13x1 3/4 Hex Head GR5 FT Zinc	F05008-88	1
8	Nut, 1/2-13 Nyl Hex Lock	F05010-8	1

4.2 Board Return Guide



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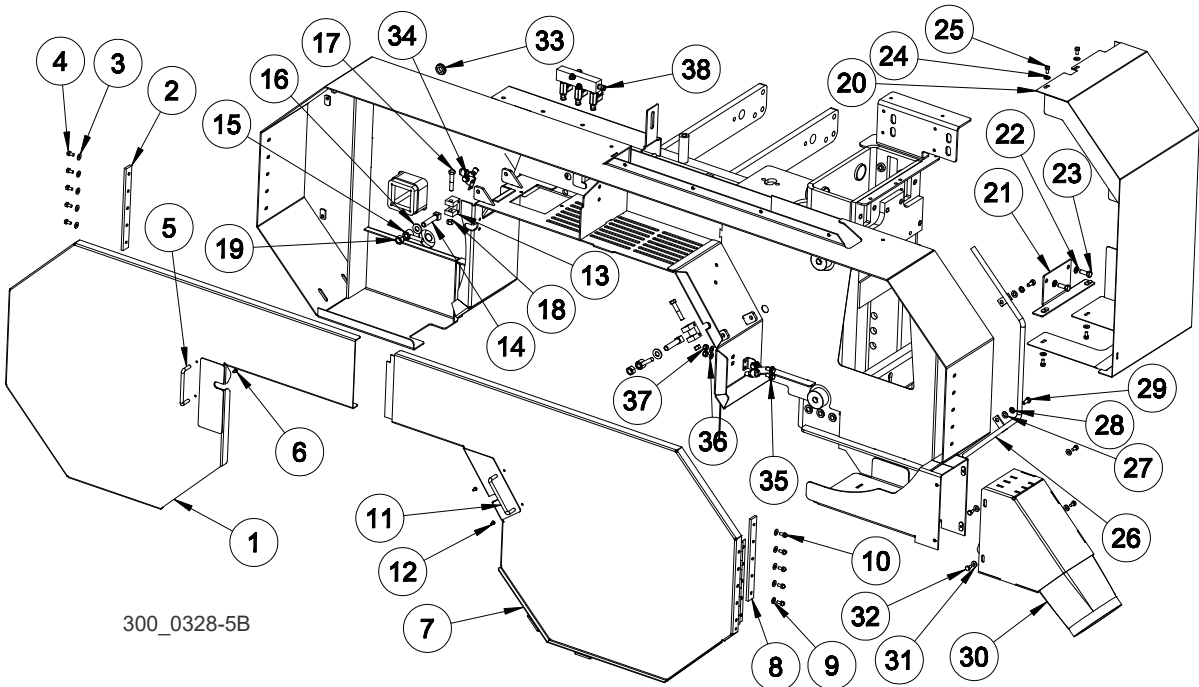
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	GUIDE ASSEMBLY, BOARD	115115	1
	Mount Assembly, Air Bag	115210	1
1	Frame Weldment, Air Bag Mount	115201	1
	Hanger Assembly, Air Bag	115200	1
2	Pivot Weldment, Air Bag Lower	115195	1
3	Bag, Motor Lift Air	033231	1
4	Pivot Weldment, Air Bag Upper	115206	1

5	Fitting, 1/4 In Npt-3/8 In 90 Deg Air	P21521	1	
6	Nut, 1/2-13 Nyl Hex Lock	F05010-8	2	
7	Nut, 1/2-13 Zinc Jam	F05010-31	2	
8	Bolt, 1/2-13x9 Hex Head Gr5, Zn	F05008-148	2	
9	Washer, 1/2 SAE Flat	F05011-2	2	
10	Washer, 3/8 Split Lock	F05011-4	4	
11	Bolt, 3/8-16x1 Gr5 Hex Head	F05007-87	4	
12	Plate, Air Bag Pivot Limit	115199	2	
13	Washer, 1/2 SAE Flat	F05011-2	12	
14	Nut, 1/2-13 Nyl Hex Lock	F05010-8	10	
15	Bolt, 1/2-13x1 1/2 Hex Head Gr5	F05008-33	2	
16	Bolt, 1/2-13x5-1/4 Hex Head	F05008-176	1	
17	Bolt, 1/2-13x5 1/2 Hex Head GR5 Zinc	F05008-28	1	
18	Bolt, 1/2-13x1 3/4 Hex HeadGR5 FT Zinc	F05008-88	6	
19	Fitting, 1/4-28 Grease	P05060	1	
	Frame Assembly, Board Guide	115213	1	
20	Frame Weldment, Board Guide	115214	1	
21	Rod Weldment, Board Guide	115191	1	
22	Rod Weldment, Board Guide	115225	1	
23	Plate, Brd Return Guide	115129	21	
24	Spacer, 2 1/2ODx1.03IDx1 Nylon	115193	15	
25	Spacer, 2 1/2ODx1.03IDx1 Nylon	115194	6	
26	Collar, 1 ID x 1 3/4 OD x 1/2in Lock	115130	3	
27	Bushing, 1 IDx1-1/4 ODx1-1/4 FI	P109	2	
28	Bolt, 3/8-16x 1 1/4 Hex Head Gr5	F05007-123	1	
29	Nut, 3/8-16 Hex Nyl Lock	F05010-10	2	
30	Bolt, 3/8-16X1 1/2 Hex Head Gr5, Znc	F05007-78	1	
31	Fitting, 1/4-28 Grease	P05060	2	

4 Saw Head

Covers & Sawdust Chute

4.3 Covers & Sawdust Chute



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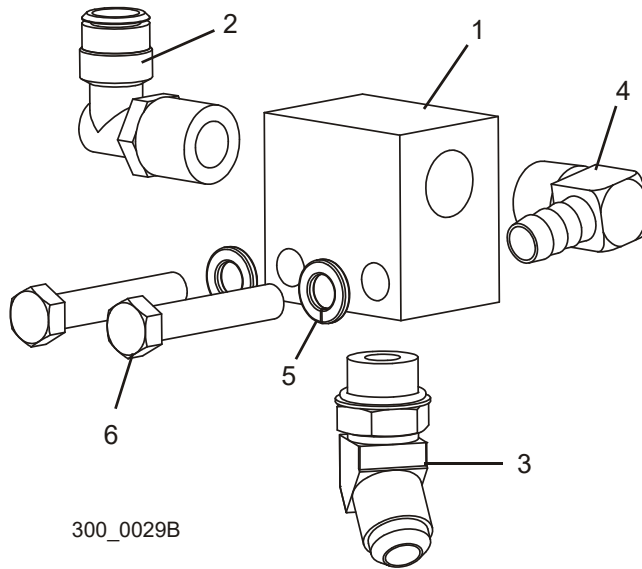
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, DOOR	113259	1
	Door Assembly, WM4500 Idle Side	110764	1
1	Weldment, WM4500 Idle Door	113260	1
2	Plate, Door Nut	042435	1
3	Washer, 1/4 SAE Flat	F05011-11	5
4	Bolt, 1/4-20x1/2 Hex Head	F05005-15	5
5	Handle, 4 W/Bolt	P08065	1
6	Bolt, #8-32x3/8 Self Tap	F05015-8	2
	Assembly, Side Door	113263	1
7	Weldment, WM4500 Drive Side Door	113264	1
8	Plate, Door Nut	042435	1
9	Washer, 1/4 SAE Flat	F05011-11	5
10	Bolt, 1/4-20x1/2 Hex Head	F05005-15	5
11	Handle, 4 W/Bolt	P08065	1
12	Bolt, #8-32x3/8 Self Tap	F05015-8	2
	ASSEMBLY, COVER LATCH	042440	2
13	Block, Cover Bolt	042439	1
14	Bolt, Cover	042438	1
15	Nut Weldment, Cover	021145	1
16	Washer, 1/2 SAE Flat	F05011-2	1

17	Bolt, 3/8-16x2 Hex Head, Zn	F05007-72	1	
18	Nut, 3/8-16 Swaged	F05010-25	1	
19	Nut, 1/2-13 Swaged Hex	F05010-3	1	
	ASSEMBLY, SIDE GUARD	113271	1	
20	Weldment, Guard, Side	113272	1	
21	Brkt Weldment. Side Guard Mount	113275	1	
22	Washer, 3/8 Split Lock	F05011-4	2	
23	Bolt, 3/8-16x1 Gr5 Hex Head	F05007-87	2	
24	Washer, 1/4 SAE Flat	F05011-11	4	
25	Bolt, 1/4-20x1/2 Hex Head	F05005-15	4	
	ASSEMBLY, LASER CONDUIT	113280	1	
26	Weldment, Conduit Laser	074784	1	
27	Washer, 5/16 SAE Flat	F05011-17	2	
28	Washer, 5/16 Split Lock	F05011-13	2	
29	Bolt, 5/16-18 x 3/4 Hex Head Gr5	F05006-102	2	
	ASSEMBLY, CHUTE TUBE	113281	1	
30	Weldment, Chute Tube	113282	1	
31	Washer, 1/4 SAE Flat	F05011-11	4	
32	Bolt, 1/4-20x1/2 Hex Head	F05005-15	4	
33	GROMMET, 5/8 ID RUBBER	P11764	1	
34	MISTER ASSEMBLY, LUBIE (See Section 11.3)	110762	2	
35	BOLT, 5/16-18X3/4 HEX HEAD W/FLAT&LOCK WASHER	F05006-101	2	
36	WASHER, 5/16 SAE FLAT	F05011-17	2	
37	NUT, 5/16-18 NYL LOCK	F05010-58	2	
38	MANIFOLD ASSEMBLY, SAWMILL LUBE (See Section 11.2)	113152	1	

4 Saw Head

Blow-Off Assembly

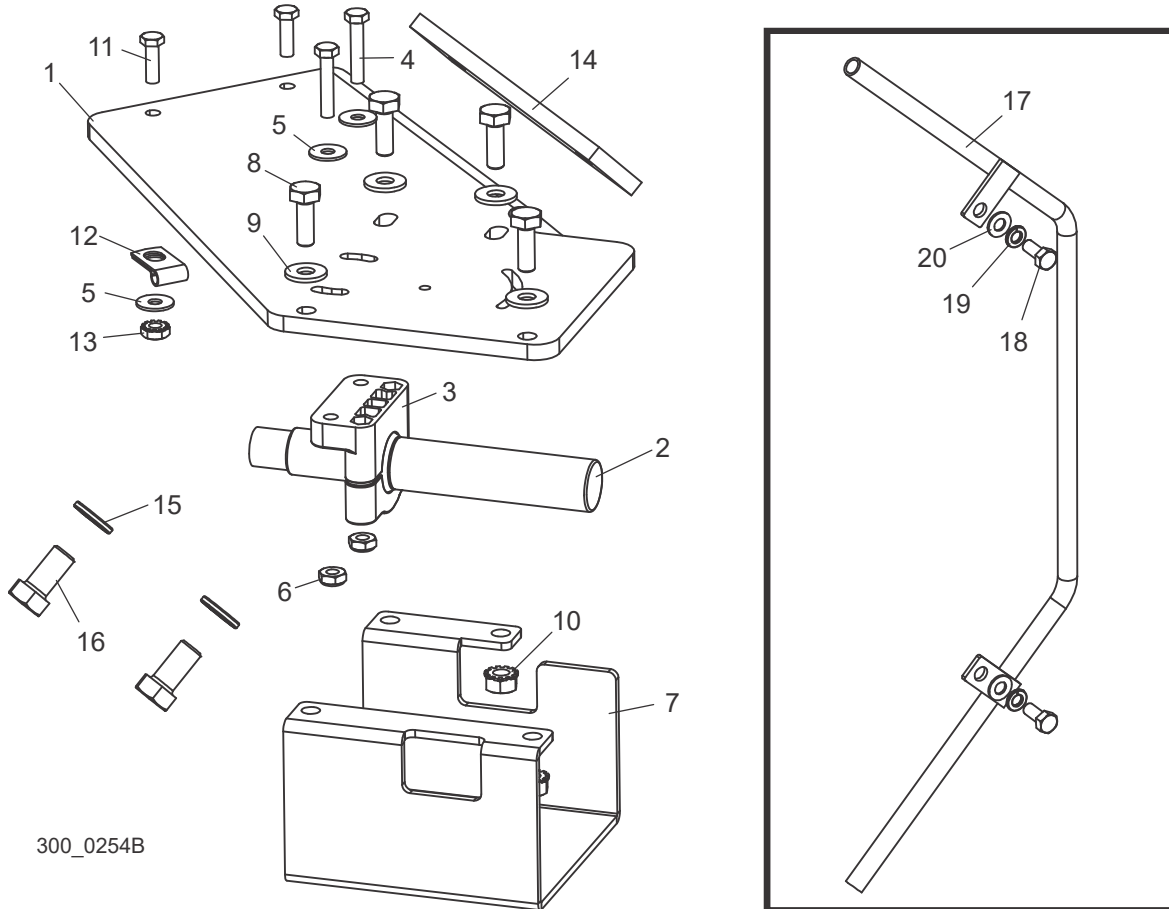
4.4 Blow-Off Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BLOCK ASSEMBLY, BLOW-OFF	016882	1
1	Block, Blow-Off	016879	1
2	Fitting, 1/2" NPT x 1/2" Tube 90° Swivel Elbow	016880	1
3	Fitting, #8 JIC x #8 SAE 45° Elbow	041161	1
4	Fitting, 1/2" NPT x 1/2" Hose Barb 90° Elbow	015997	1
5	Washer, 3/8" Split Lock	F05011-4	2
6	Bolt, 3/8-16 x 2" Hex Head Full Thread	F05007-16	2
	TUBING, 1/2" CHAINFLEX AIR LINE	R01869-5	54 Ft. ¹
	TUBING, 1/2" CHAINFLEX AIR LINE	R01869-5	4 Ft.

¹ Additional 6 foot of hose supplied for

4.5 Laser Assembly



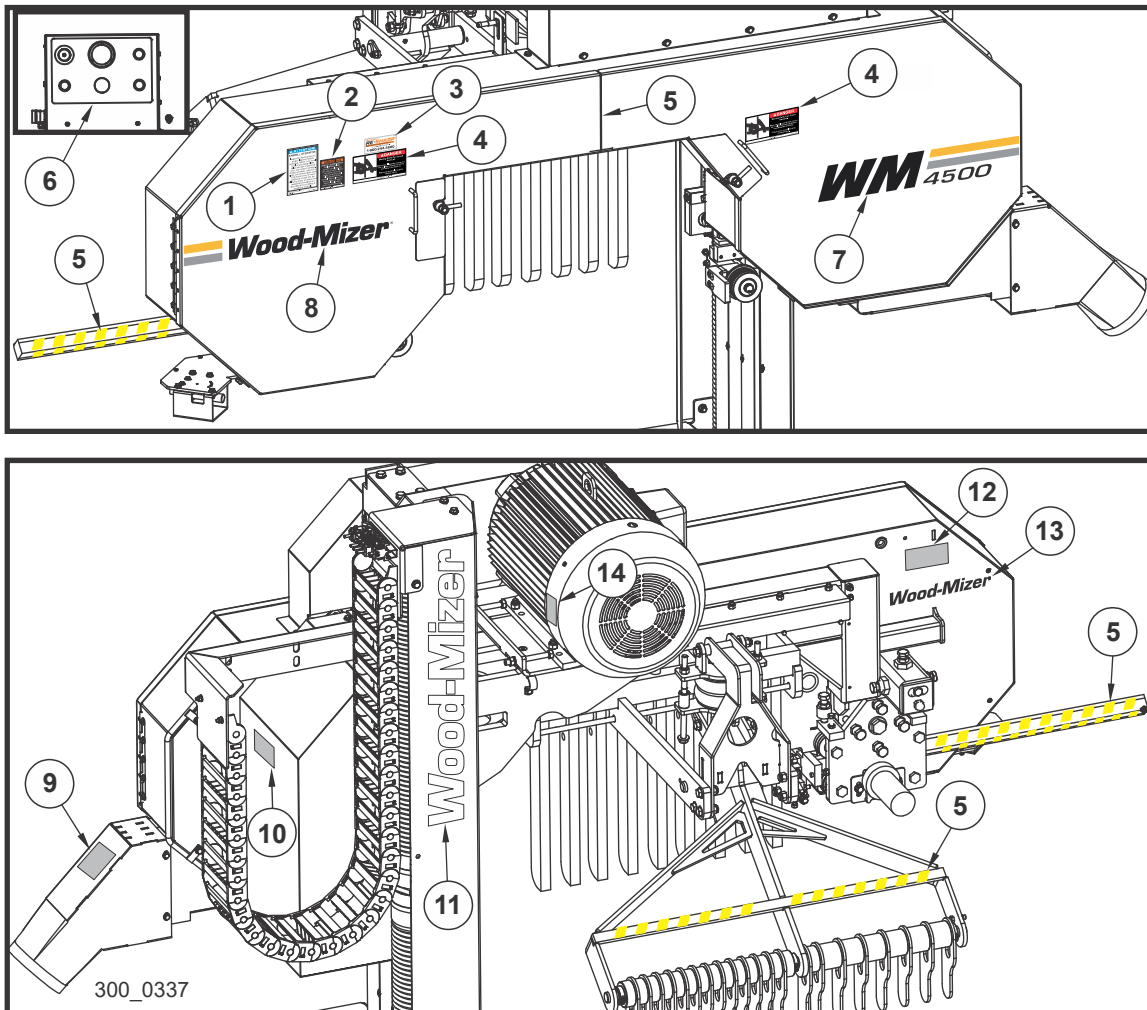
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	LASER ASSEMBLY, WM4000	074047	1
1	Plate, Laser Mount	042744	1
2	Laser, 5mW 532nm 90° Line Z-Laser Green	068035	1
3	Bracket, 18mm Laser Mount Swivel	074051	1
4	Screw, #10-24 x 1" Unslotted Hex Head Grade 2	F05004-156	2
5	Washer, #10 SAE Flat	F05011-18	4
6	Nut, 10-24 Hex Nylon Lock	F05010-160	2
7	Cover, Laser Guard	042743	1
8	Bolt, 1/4-20 x 3/4" Hex Head Full Thread	F05005-1	4
9	Washer, 1/4" SAE Flat	F05011-11	4
10	Nut, 1/4-20 Hex Self-Locking	F05010-9	4
11	Bolt, #10-24 x 5/8" Hex Head	F05004-18	2
12	Clamp, .187 Cushioned Metal Cable	025196	2
13	Nut, #10-24 Hex Self-Locking	F05010-14	2
14	Plate, Laser Mount Nut	042452	1

4**Saw Head**
Laser Assembly

15	Washer, 3/8" Split Lock	F05011-4	2	
16	Bolt, 3/8-16 x 3/4" Hex Head Grade 2	F05007-27	2	
17	CONDUIT WELDMENT, LASER	074784	1	
18	BOLT, 5/16-18 X 3/4" HEX HEAD GRADE 5	F05006-102	2	
19	WASHER, 5/16" SPLIT LOCK	F05011-13	2	
20	WASHER, 5/16" SAE FLAT	F05011-17	2	

4.6 Decals

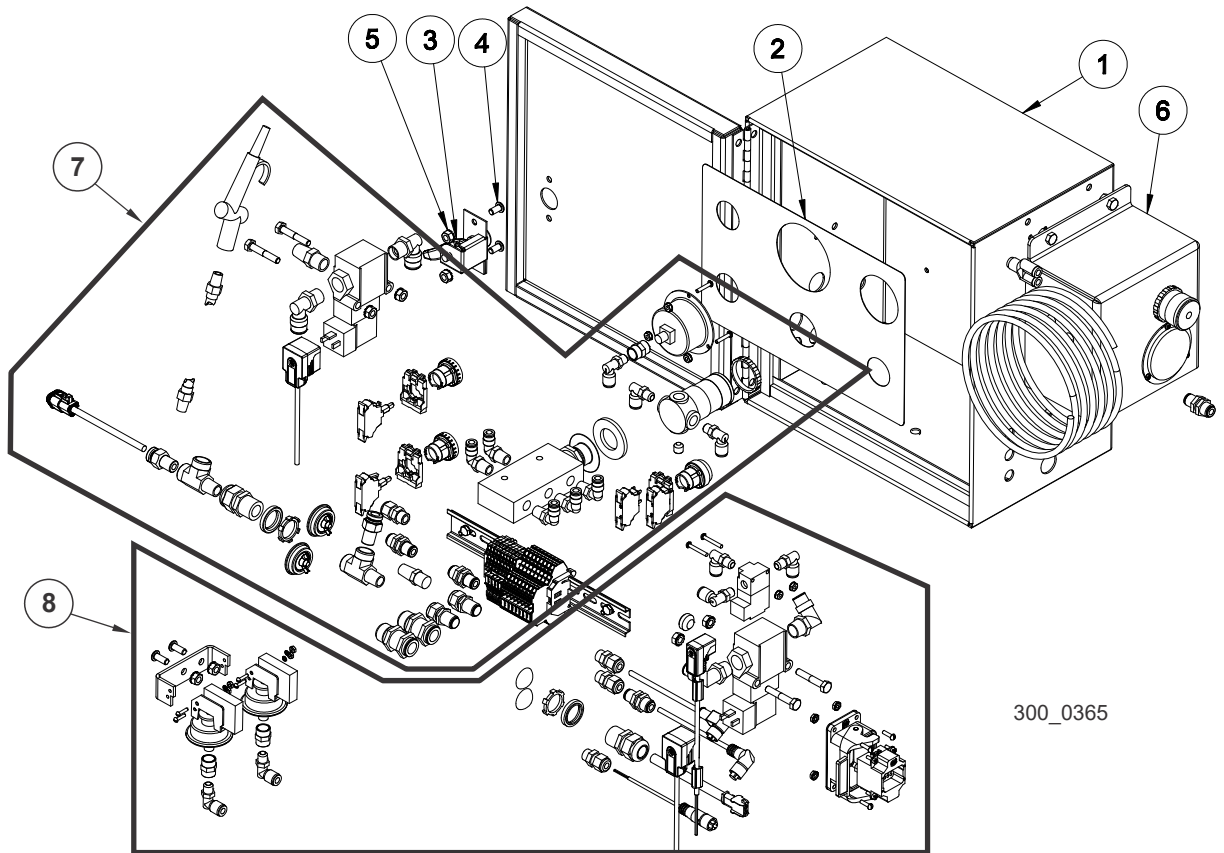


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	DECAL, BLADE GUIDE INFO (LARGE)	034803	1
2	DECAL, BLADE INSPECTION WARNING	034801	1
3	DECAL, RE-SHARP	P12879	1
4	DECAL, MOVING PARTS DANGER	033254	2
5	DECAL, WARNING STRIPE	016834	7
6	DECAL, LT300 2005 HEAD/AIR BOX	052274	1
7	DECAL, WM4500 LOGO	N/A	1
8	DECAL, WOOD-MIZER LOGO W/STRIPES	076273	1
9	DECAL, EYE/EAR PROTECTION WARNING	S11753	1
10	DECAL, TRANSDUCER ADJUSTMENT CAUTION	042674	1
11	DECAL, 27" WHITE WOOD-MIZER LOGO	074077	1
12	PLATE, NAME	S20038	1

4**Saw Head***Decals*

13	DECAL, WOOD-MIZER LOGO 10.25"	052287	1	
14	DECAL, MOTOR DIRECTION	S20097	1	

4.7 Head/Air Box Control Assembly

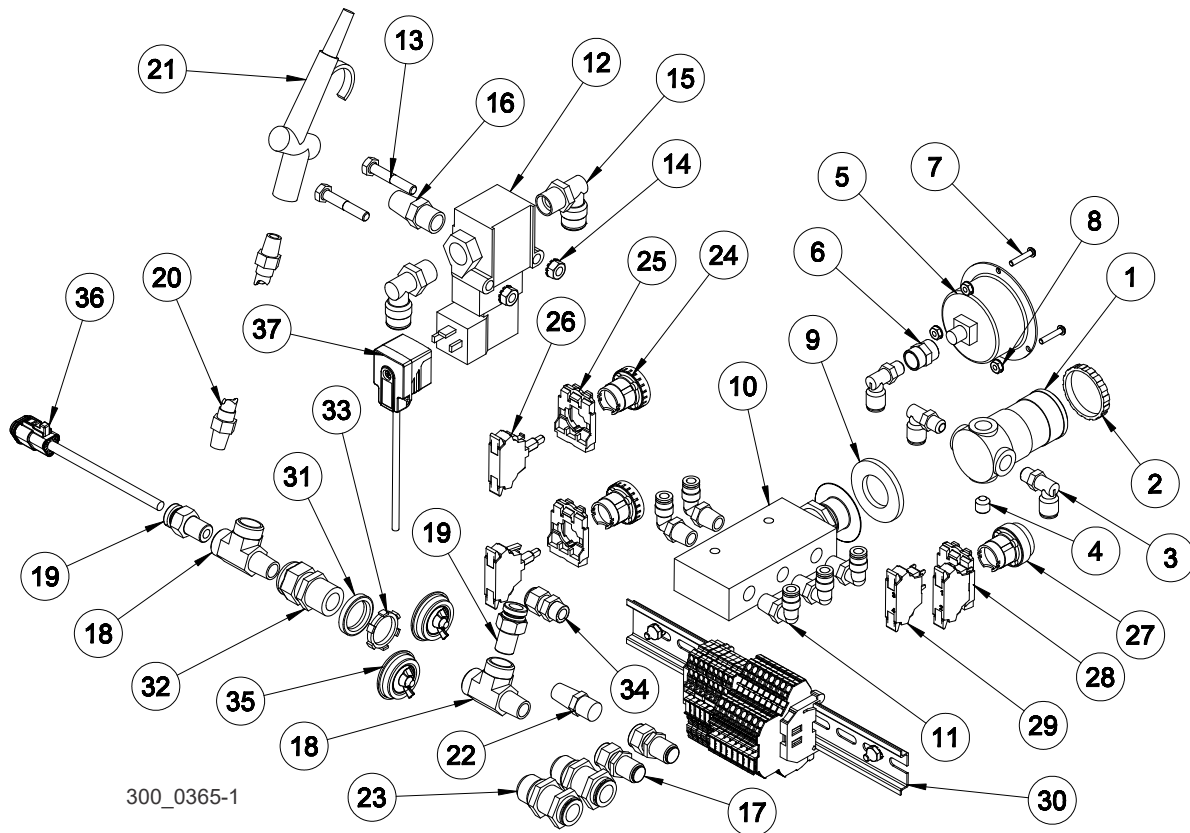


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CONTROL ASSEMBLY, INDUSTRIAL MILL HEAD/AIR BOX (WM4500)	078787	1
1	Enclosure, Ind. Mill Head Control	078789	1
2	Decal, Head/Air Control Box	052274	1
3	Latch, Door	P20048	1
4	Screw, 1/4-20 x 1/2" BHSC SS Gr2	F05005-112	2
5	Nut, 1/4-20 Hex Self-Locking	F05010-9	8
6	Air Box, Debarker (See Section 4.11)	037625	1
7	Head/Air Box Parts (A) (See Section 4.8)	N/A	1
8	Head/Air Box Parts (B) (See Section 4.9)	N/A	1

4 Saw Head

Head/Air Box Control (Part A)

4.8 Head/Air Box Control (Part A)



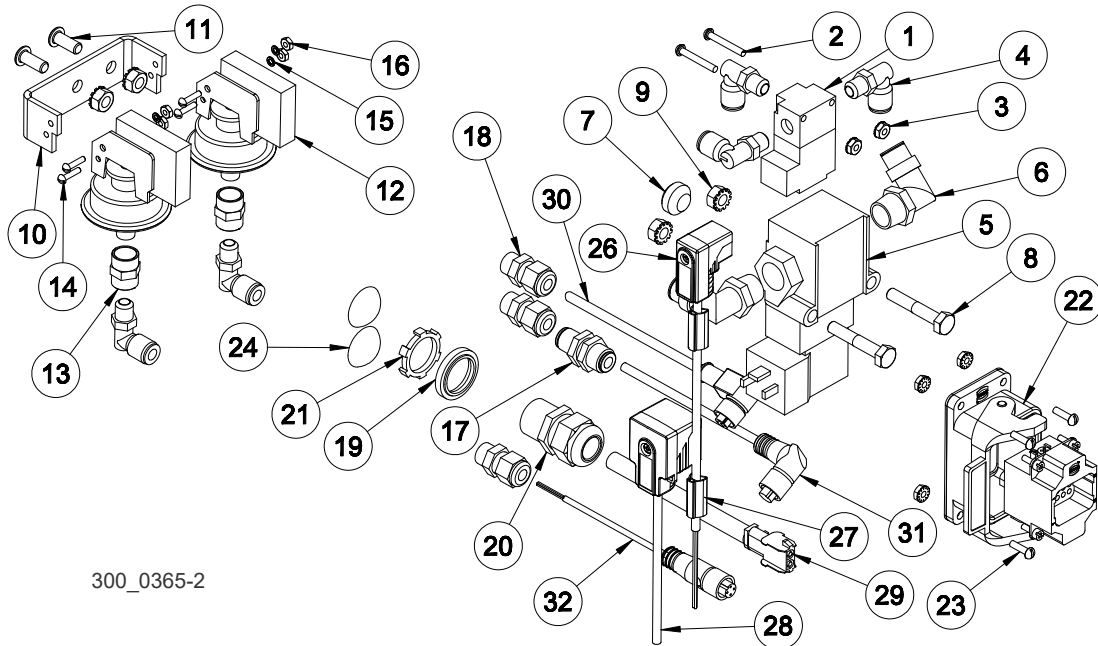
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	REGULATOR, 1/8" AIR	052509	1
2	NUT, AIR REGULATOR MOUNTING	052510	1
3	ELBOW, 90 DEG 1/8MPT 1/4 TUBE SWIVEL	P09736	3
4	FITTING, 1/8 NPT SOCKET PIPE PLUG	P30127	1
5	GUAGE, AIR PRESSURE	042342	1
6	FITTING, 1/8FPT COUPLING	P05748	1
7	SCREW, 6-32X3/4 SBHC SS	F05004-93	3
8	NUT, #6-32 KEPS	F05010-59	3
9	WASHER, 7/8 SAE FLAT	F05011-73	1
10	VALVE, 1/4 NPT 4 WAY PUSH/PULL	025301	1
11	FITTING, 1/4NPT SWVL X 1/4" AIR 90 DEG	P21519	5
12	VALVE ASSEMBLY, BLOW-OFF	042659	1
13	BOLT, 1/4-20X1 1/2 HEX HEAD FT	F05005-31	2
14	NUT, 1/4-20 KEPS	F05010-9	2
15	FITTING, 3/8NPT-3/8IN 90 DEG AIR	P21526	2
16	MUFFLER, CEC-3 3/8 IN NPT AIR	P21528	1

17	FITTING, 1/4 NPT FEM. X 1/4 TB BULKHEAD	025235	2	
18	FITTING, 1/4NPTX1/4JIC MALE RUN TEE	P09141	2	
19	FITTING, 1/4 IN NPT-3/8 STRAIGHT AIR	P21559	2	
20	HOSE, 1/4 X 6 FT COILED AIR	042453	1	
21	NOZZLE, COOLANT SPRAY	P02714	1	
22	MUFFLER, 1/4 IN. NPT AIR	P20904	1	
23	FITTING, 1/2" TUBE BULKHEAD UNION	034010	2	
24	PILOT LIGHT, YELLOW ZB5	068931	2	
25	SWITCH COLLAR, MOUNT ZB5	068951	2	
26	LIGHT MODULE, WHITE ZB5	068912	2	
27	PUSH-BUTTON, ILL. EXT YELLOW ZB5	068901	1	
28	COLLAR, MOUNT 1NC ZB5	068950	1	
29	CONTACT BLOCK, NO ZB5	068920	1	
30	TERMINAL BLOCK PARTS (See Section 4.10)	024474-10	1	
31	RING, 1/2 SEALING	E20460	1	
32	CONNECTOR, 1/2" NPT .17-.47	051299	1	
33	NUT, 1/2 NPT CONNECTOR LOCK	E20461	1	
34	CORD CONN, .5 HOLE .115-.250 CORD	E23494	1	
35	PLUG, AS050 OILTITE	024685	2	
36	CABLE ASSEMBLY, IND. MILL FEED ENCODER PWR	068048	1	
37	CABLE ASSEMBLY, DRAG BACK SOLENOID	078791	1	

4 Saw Head

Head/Air Box Control (Part B)

4.9 Head/Air Box Control (Part B)



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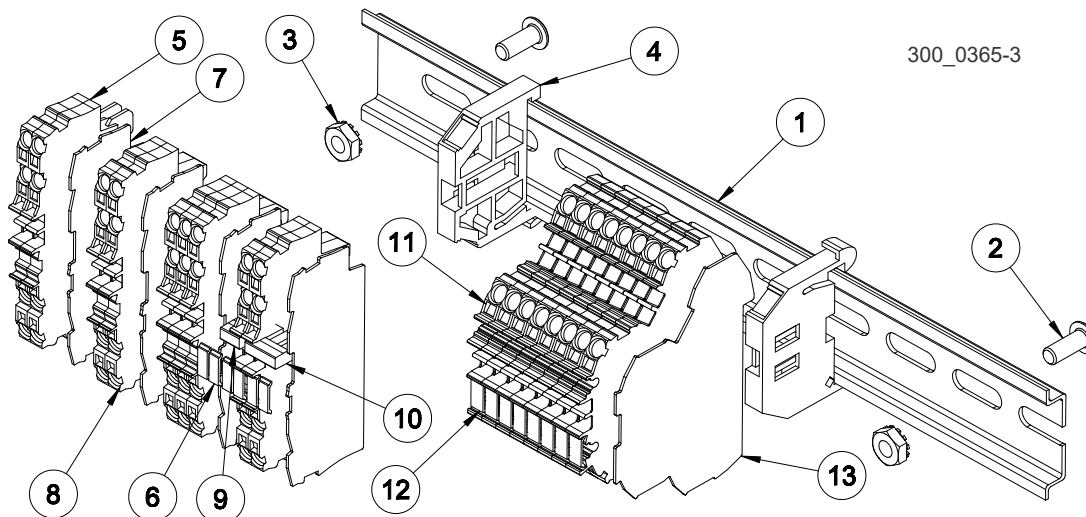
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	VALVE, 3-WAY 1/8 NPT DIN C AIR	045225	1
2	BOLT, #6-32X1 SLROUND HEAD	F05004-146	2
3	NUT, #6-32 KEPS	F05010-59	6
4	ELBOW, 90 DEG 1/8MPT 1/4 TUBE SWIVEL	P09736	5
5	VALVE ASSEMBLY, BLOW-OFF	042659	1
6	FITTING, 1/2" TUBE X 3/8 NPT MALE SWIVEL	034009	2
7	FITTING, 1/8 NPT SOCKET PIPE PLUG	035665	1
8	BOLT, 1/4-20X1 1/2 HEX HEAD FT	F05005-31	2
9	NUT, 1/4-20 KEPS	F05010-9	4
10	MOUNT, PRESSURE SWITCH	042256	1
11	SCREW, 1/4-20X5/8 BHSC SS GR2	F05005-128	2
12	SWITCH,PRESSURE	045207	2
13	FITTING, 1/8FPT COUPLING	P05748	2
14	SCREW, 4-40X1/2 SI RND HEAD MACHINE	F05004-14	4
15	WASHER, #4 SPLIT LOCK	F05011-21	4
16	NUT, #4-40 HEX	F05010-43	4
17	FITTING, 1/4-1/4 TUBE BULKHEAD	025234	1
18	CORD CONN, .5 HOLE .115-.250 CORD	E23494	3
19	RING, 1/2 SEALING	E20460	1
20	CONNECTOR, 1/2" NPT .17-.47	051299	1
21	NUT, 1/2 NPT CONNECTOR LOCK	E20461	1

22	CONNECTOR ASSEMBLY, IND. MILL HEAD INTERNAL	078788	1	
23	SCREW, #6-32X1/2 SL RH	F05015-24	4	
24	PLUG, 1/2" HOLE HEYCO 3830	068164	2	
25	PLUG, AS050 OILTITE	024685	1	
26	CABLE ASSEMBLY, IND. MILL BLD BRK SOL.	069977	1	
27	CABLE, 10M FORM C DIN 24VDC W/LED PUR	025233	1	
28	CABLE ASSEMBLY, IND. MILL BLW OFF SOL.	069978	1	
29	CABLE ASSEMBLY, IND. MILL BLADE GUIDE MOTOR	069988	1	
30	CABLE ASSEMBLY, IND. MILL BLADE BREAK PROX	078662	1	
31	CABLE ASSEMBLY, IND. MILL BALL NUT PROX	078663	1	
32	CABLE ASSEMBLY, IND. MILL LASER	068074	1	

4 Saw Head

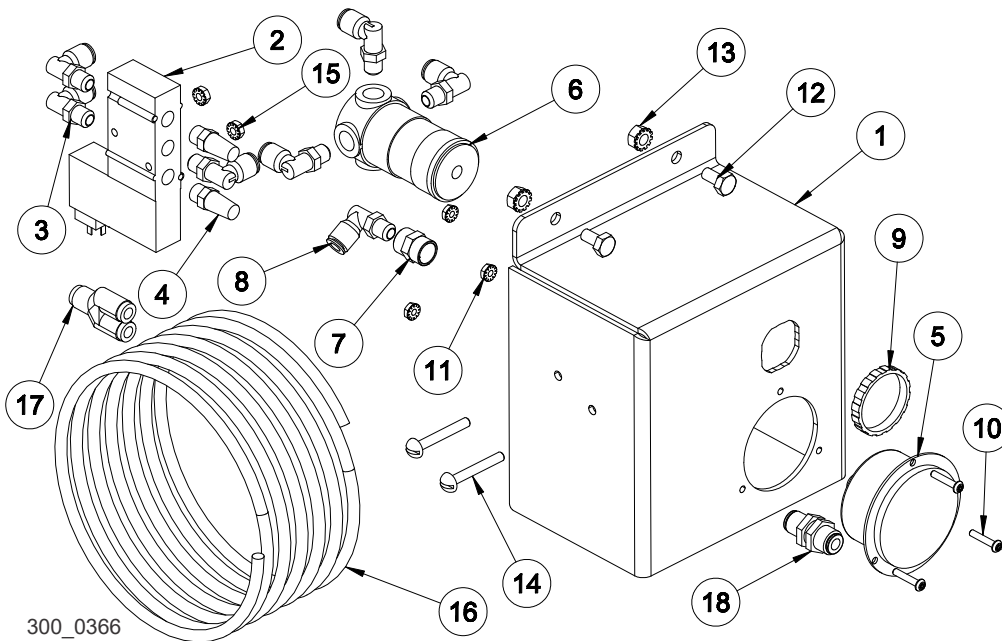
Head/Air Box Control (Terminal Block)

4.10 Head/Air Box Control (Terminal Block)



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	DIN RAIL, 35MMX7.5MMX10IN STEEL	024474-10	1
2	BOLT, #10-24X1/2 SOCKET BH SS	F05004-196	2
3	NUT, #10-24 KEPS	F05010-14	2
4	DIN CLAMP, SCREWLESS	051986	2
5	TERMINAL BLOCK, 4POS 1.5MM GND CLAMP	068104	2
6	TERMINAL BLOCK, NUMBERS 1-10 1.5MM(QTY 0.1)	068130	9
7	TERMINAL BLOCK, 4POS 1.5MM END PLATE	068105	4
8	TERMINAL BLOCK, 4POS 1.5MM COM CLAMP	068103	7
9	TERMINAL BLOCK, 10POS JUMPER 1.5MM(2POS)	068113_2	2
10	TERMINAL BLOCK, 10POS JUMPER 1.5MM(3POS)	068113_3	1
11	TERMINAL BLOCK, 2.5MM 2-TIER SPRING CLAMP	068119	8
12	TERMINAL BLOCK, NUMBERS 1-10 2.5MM(QTY 0.1)	068140	8
13	END PLATE, 2.5MM 2-TIER TERMINAL BLOCK	068120	1

4.11 Debarker Air Box Assembly

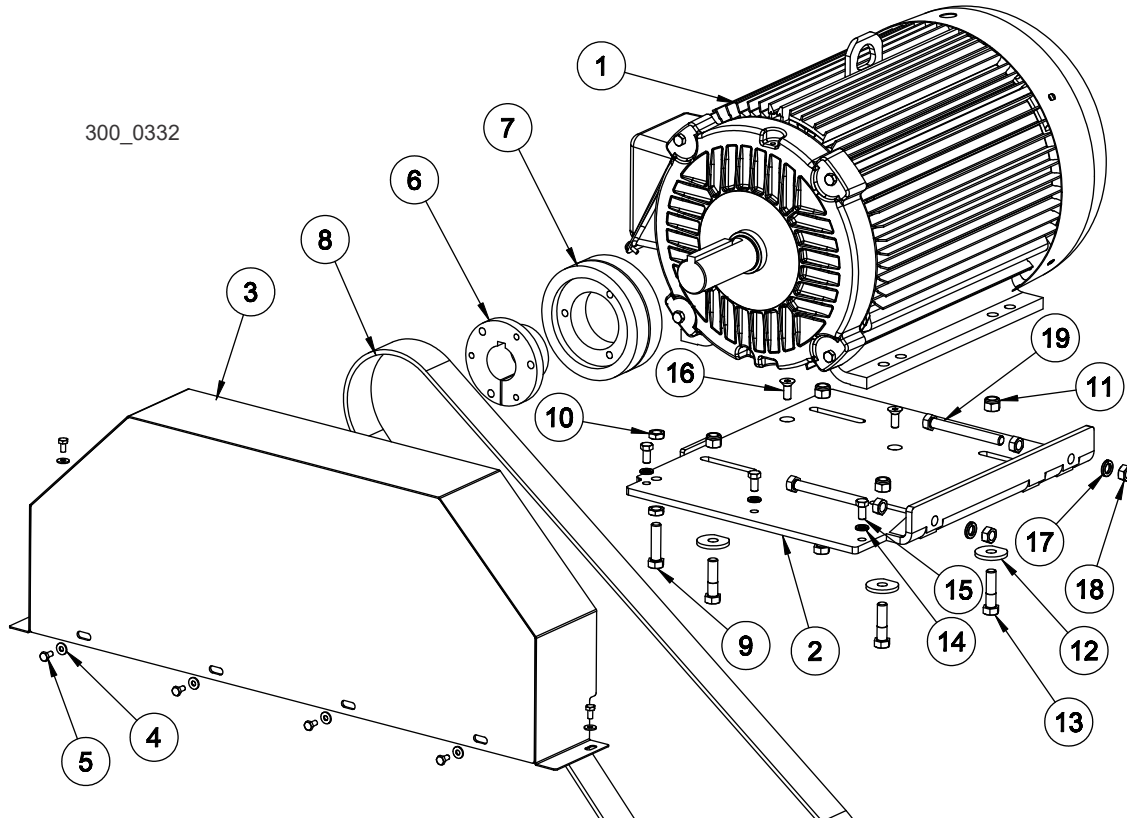


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	AIR BOX, LT300 DEBARKER	037625	1
1	Cover, Debarker Gauge	037622	1
	Valve Assembly, LT300 Debarker	037624	1
2	Assembly, Mac Valve 400 Series	025244	1
3	Elbow, 90 Deg 1/8MPT 1/4 Tube Swivel	P09736	3
4	Muffler, 1/8In NPT Air	P20902	2
5	Gauge, Air Pressure	042342	1
6	Regulator, 1/8" Air	052509	1
7	Fitting, 1/8FPT Coupling	P05748	1
8	Elbow, 90 Deg 1/8MPT 1/4 Tube Swivel	P09736	4
9	Nut, Air Regulator Mounting	052510	1
10	Screw, 6-32x3/4 SBHC SS	F05004-93	3
11	Nut, #6-32 Keps	F05010-59	3
12	Bolt, 1/4-20x1/2 Hex Head	F05005-15	2
13	Nut, 1/4-20 Keps	F05010-9	2
14	Bolt, #8-32x1 1/2 SI Round Head	F05004-71	2
15	Nut, #8-32 Self Locking	F05010-41	2
16	Air Line, 1/4 Dia. x 13' 9" Chainflex	037635	1
17	Union, 1/4" Tubing Y Push-In	042546	1
18	Fitting, 1/4-1/4 Tube Bulkhead	025234	1

4 Saw Head

Blade Motor Drive Assembly

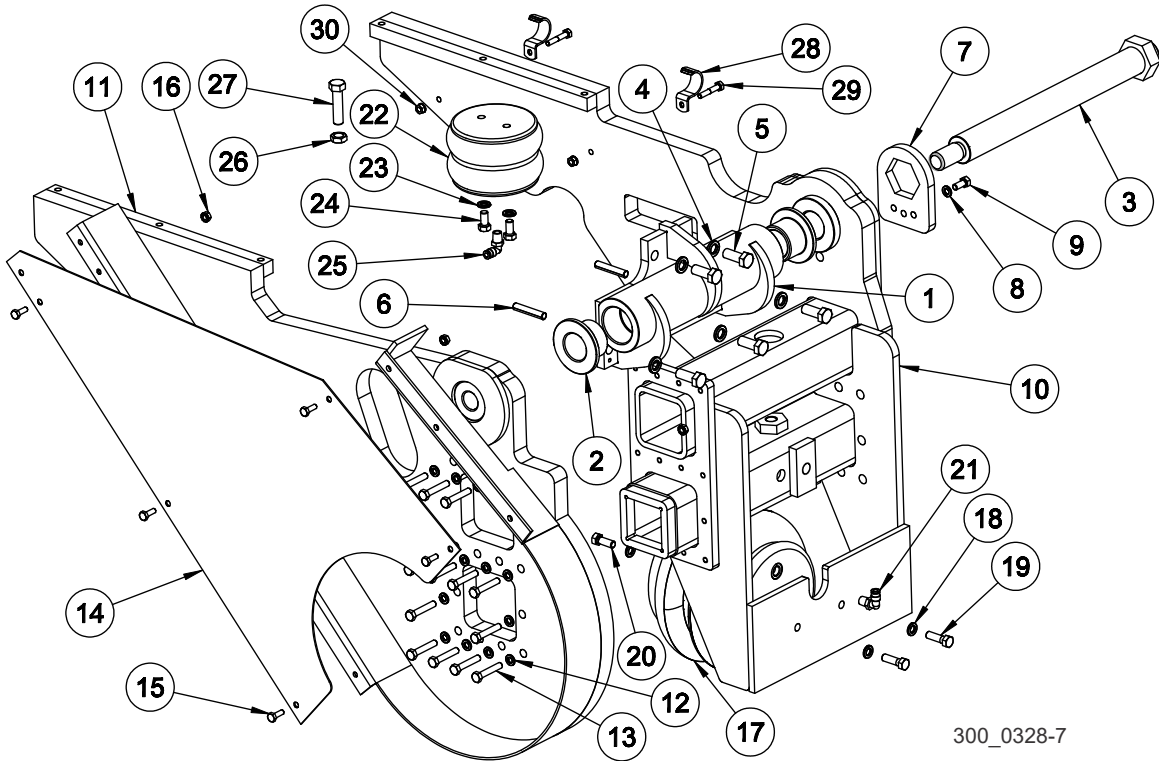
4.12 Blade Motor Drive Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	DRIVE ASSEMBLY, PD, 30HP 480V/60HZ	113256	1
1	Motor, Lincoln 30HP 1800RPM	042301	1
2	Weldment, Motor Mount Plate	113257	1
	Assembly, Top Pulley Guard	113267	1
3	Guard Weldment, Top Pulley, '05	036678	1
4	Washer, 1/4 SAE Flat	F05011-11	6
5	Bolt, 1/4-20x1/2 Hex Head	F05005-15	6
6	Bushing, SFx1 7/8	039266	1
7	Sprocket, Eagle PD, G-36S-SF	036634	1
8	Belt, Eagle PD, G2380	036636	1
9	Bolt, 1/2-13x2 Hex Head FT	F05008-8	1
10	Nut, 1/2-13 Zinc Jam	F05010-31	2
11	Nut, 1/2-13 Nyl Hex Lock	F05010-8	4
12	Washer, .52x1.69	113287	4
13	Bolt, 1/2-13x2 Hex Head	F05008-76	4
14	Washer, 3/8 Split Lock	F05011-4	3
15	Bolt, 3/8-16x3/4 Hex Head Gr2	F05007-27	3

16	Screw, 3/8-16x1 Zinc and Bake FS	F05007-64	3	
17	Washer, 1/2 Split Lock	F05011-9	2	
18	Nut, 1/2-13 Free Hex, Zinc	F05010-35	4	
19	Bolt, 1/2-13x4 1/2 Hex Hd Full Thrd, Zn	F05008-16	2	

4.13 Tension System



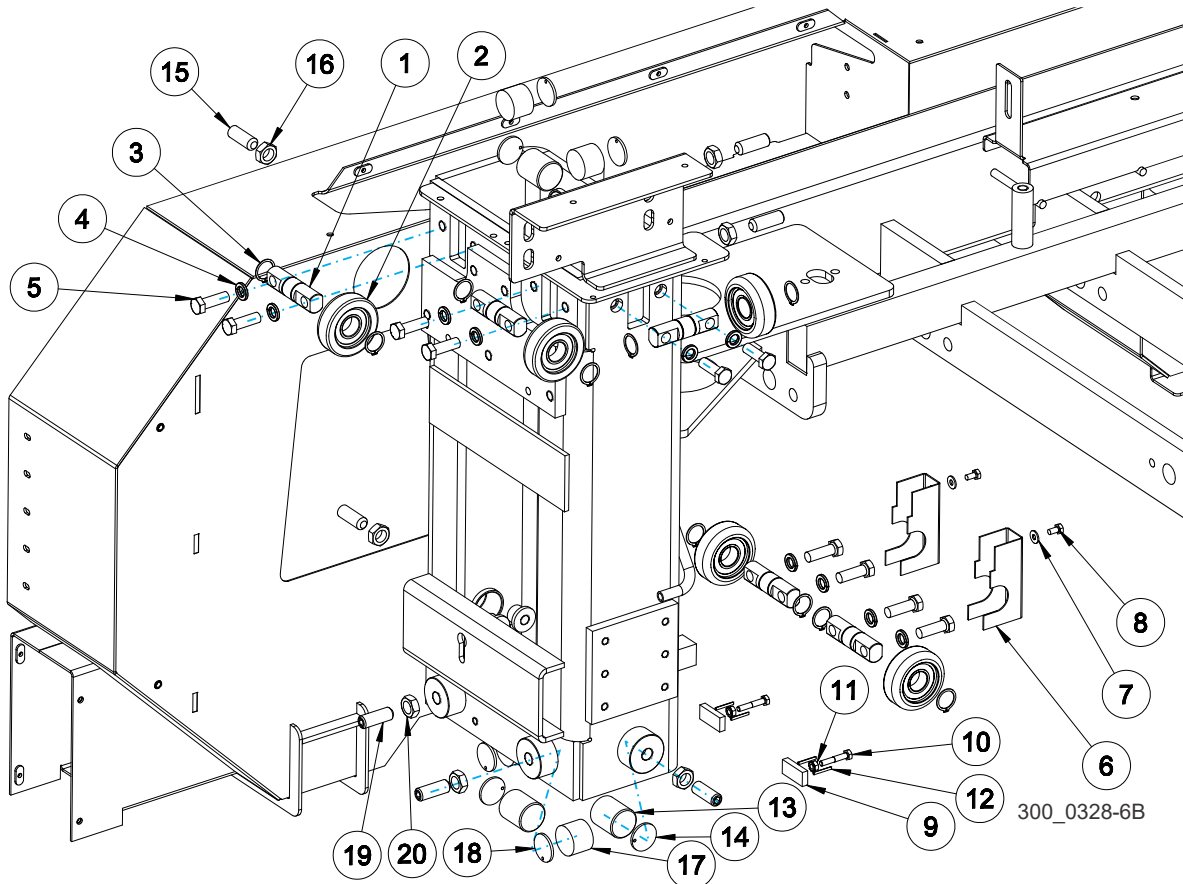
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, PIVOT	113225	1
1	Weldment, Pivot Tube	113226	1
2	Bearing, Pivot	113229	2
3	Weldment, Bolt Pivot	113230	1
4	Washer, 1/2 Split Lock	F05011-9	5
5	Bolt, 1/2-13x1 1/4 Hex Head GR5 Zinc	F05008-37	5
6	Pin, 3/8x2 Roll	F05012-42	2
7	Plate, Bolt Lock	113233	1
8	Washer, 5/16 Split Lock	F05011-13	1
9	Bolt, 5/16-18x3/4 Hex Head Gr2	F05006-5	1
	ASSEMBLY, TENSION SYS	113234	1
10	Weldment, Right Mtr Mnt Plate	113235	1
11	Weldment, Mtr Mnt Front Plate	113244	1
12	Washer, 5/16 Split Lock	F05011-13	13
13	Bolt, 5/16-18x1 3/4 FT Gr5	F05006-81	13
14	Cover, Lower Belt, '05	036662	1
15	Bolt, 1/4-20x3/4 Hex Head	F05005-129	5
16	Nut, 1/4-20 Keps	F05010-9	5

	ASSEMBLY, AIRBAG	113277	1	
17	Assembly, Airbag	113289	1	
18	Washer, 3/8 Split Lock	F05011-4	3	
19	Bolt, 3/8-16x 1 1/4 Hex Head Gr5	F05007-123	2	
20	Bolt, 3/8-16x1 Gr5 Hex Head	F05007-87	1	
21	Fitting, 1/4npt Swvl X 1/4" Air 90 Deg	P21519	1	
	ASSEMBLY, AIRBAG	113278	1	
22	Bag, Motor Lift Air	033231	1	
23	Washer, 3/8 Split Lock	F05011-4	2	
24	Bolt, 3/8-16x3/4 Hex Head Gr2	F05007-27	2	
25	Fitting, 1/4npt Swvl X 1/4" Air 90 Deg	P21519	1	
26	NUT, 1/2-13 ZINC JAM	F05010-31	1	
27	BOLT, 1/2-13X2 HEX HEAD FT	F05008-8	1	
28	CLAMP, 1 EMT	P05436	2	
29	BOLT, 1/4-20X1 1/2 HEX HEAD FT	F05005-31	2	
30	NUT, 1/4-20 KEPS	F05010-9	2	

SECTION 5 UP/DOWN SYSTEM

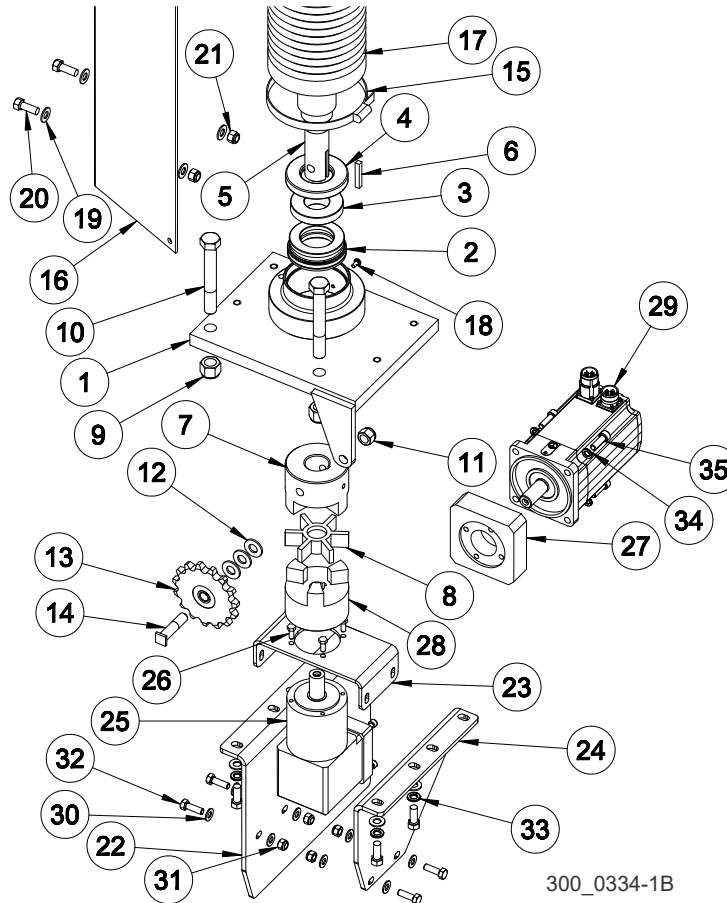
5.1 Mast Pads & Rollers



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, RAIL BEARING/SHAFT	113268	5
1	Shaft, Top Roller Bearing	023858	1
2	Bearing, MG305DDA	023857	1
3	Ring, 1 OR	F04254-15	2
4	Washer, 1/2 Split Lock	F05011-9	2
5	Bolt, 1/2-13x1 1/2 Hex Head Gr5	F05008-33	2
	ASSEMBLY, MAST BEARING COVER	113269	1
6	Cover, Mast Bearing	045047	2
7	Washer, 1/4 SAE Flat	F05011-11	2
8	Bolt, 1/4-20x1/2 Hex Head	F05005-15	2
	ASSEMBLY, DUST REMOVAL	113288	2
9	Pad, Head Plastic	045056	1
10	Screw, #10-24x1 1/4 BO SHC	F05004-31	1

11	Nut, 1/4-20 Keps	F05010-9	1	
12	Pin, 1/8x1 Roll, Zn	F05012-34	2	
13	BLOCK, FRICTION	037324	3	
14	PAD, NYLON BACKING	042432	3	
15	SCREW, 5/8-18X1 3/4 SH FP	F05009-27	3	
16	NUT, 5/8-18 HEX JAM	F05010-11	3	
	ASSEMBLY, NYLON PAD	113270	7	
17	Pad, Round Nylon	033098	1	
18	Pad, Nylon Backing	042432	1	
19	Screw, 5/8-18x1 3/4 Sh Set Fp	F05009-27	1	
20	Nut, 5/8-18 Hex Jam	F05010-11	1	

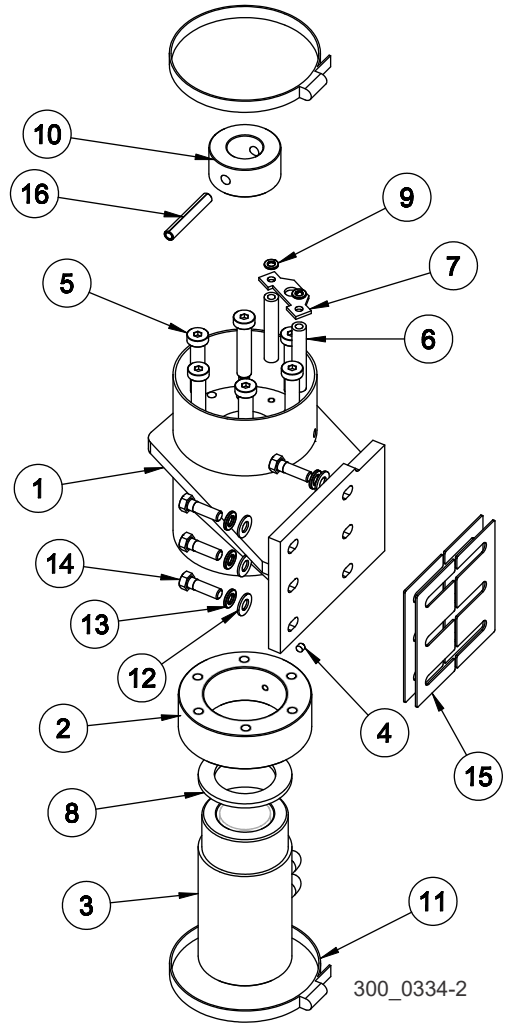
5.2 Up/Down Ballscrew Drive



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	UP/DOWN ASSEMBLY, 2" BALLSCREW WM4500	115235	1
1	Mount Weldment, 45mm Up/Down Drive	017790	1
2	Bearing Assembly, 45 mm Thrust	110569	1
3	Spacer, Screw/Bearing Support	042856	1
4	Seal, 1 5/8 ID Thrust Bearing	042857	1
5	Ballscrew, 2"x.50 Lead Machined	042858	1
6	Key, 1/4Sqx1 5/8	042810	1
7	Coupling, Modified L110x1 1/4	017787	1
8	Coupling Element, L110 Hytrel	042809	1
9	Nut, 5/8-11 Nyl Lock	F05010-34	2
10	Bolt, 5/8-11x4 1/2 Hex Head Gr5	F05009-10	2
11	Nut, 1/2-13 Nylon Hex Lock	F05010-8	1
12	Washer, 1/2 SAE Flat	F05011-2	3
13	Sprocket, 6015x1/2 Idler	042367	1
14	Shaft, LT300 P/F Idler	016828	1

15	Clamp, Bellows Worm	042419	1	
16	Weldment, Bellows Guard	017647	1	
17	Bellows, Protective, 5 IDx45 Long	017777	1	
18	Bolt, #10-24x3/8 CrSI PH	F05004-3	1	
19	Washer, 3/8 Flat SAE	F05011-3	8	
20	Bolt, 3/8-16x1 Hex Head	F05007-7	6	
21	Nut, 3/8-16 Hex Nyl Lock	F05010-10	2	
22	Servo Mounting Plate, Right	071250	1	
23	Servo Mounting Plate	071277	1	
24	Servo Mounting Plate, Left	071251	1	
25	Gearbox, GBY Angular 80mm 12:1	115234	1	
26	Screw, M6x1.0x16mm 8.8 Hex Head	F05004-219	4	
27	Kit, Gearbox Size 80 BMH	068039	1	
28	Coupling Body, L110x20MM	065993	1	
29	Motor, Servo 100mm IP54 Encoder	068038	1	
30	Washer, 5/16 SAE Flat	F05011-17	8	
31	Nut, 5/16-18 Nyl Lock	F05010-58	4	
32	Bolt, 5/16-18 x 1 Gr 5 Hex Head	F05006-27	4	
33	Washer, 3/8 Split Lock	F05011-4	4	
34	Washer, M8 Spring Lock Zinc	F05011-130	4	
35	Screw, M8-1.25x25 SHC BO	F05021-33	4	
	Grease, Ballscrew Lube	042399	3	
	Middle Ballscrew Mount Parts (See Section 5.3)	N/A	1	
	Top Ballscrew Mount Parts (See Section 5.4)	N/A	1	

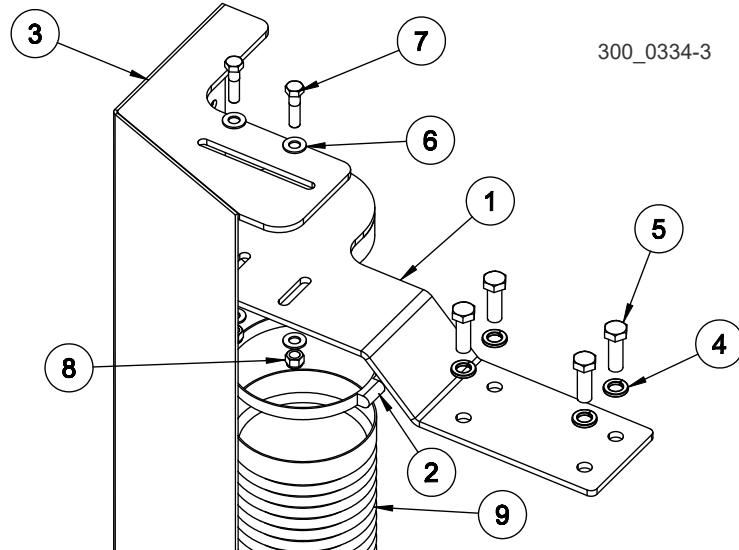
5.3 Ballscrew Mount (Middle)



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	HEAD MOUNT, 2" MACHINED BALLNUT	042819	1
2	FLANGE, 2" BALL NUT	042792	1
3	BALLNUT, 2"	042791	1
4	SCREW, 1/4-28X1/4 BRASS TIP	F05005-42	1
5	BOLT, 1/2 X 2 1/4 SHOULDER, UNPL	F05008-136	6
6	SPACER, 17/64IDX1/2ODX2 3/4	042821	2
7	PLATE, BALLNUT SENSOR	042815	1
8	PLATE, BALLNUT WEAR	042816	1
9	WASHER, 1/4 SPLIT LOCK	F05011-14	2
10	COLLAR, TOP STOP	042822	1
11	CLAMP, BELLOWS WORM	042419	2
12	WASHER, 3/8 FLAT SAE	F05011-3	6

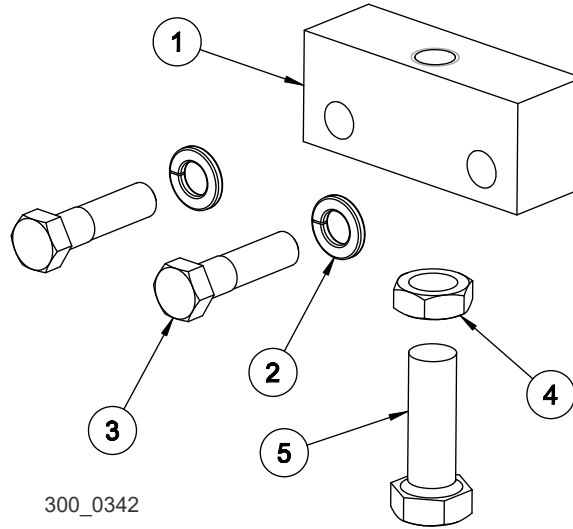
13	WASHER, 3/8 SPLIT LOCK	F05011-4	6	
14	BOLT, 3/8-16X 1 1/4 HEX HEAD GR5	F05007-123	6	
15	SHIM, BALLNUT MOUNT	016800	4	
16	PIN, 3/8 X 2 1/2 ROLL, UNPL	F05012-114	1	

5.4 Ballscrew Mount (Top)



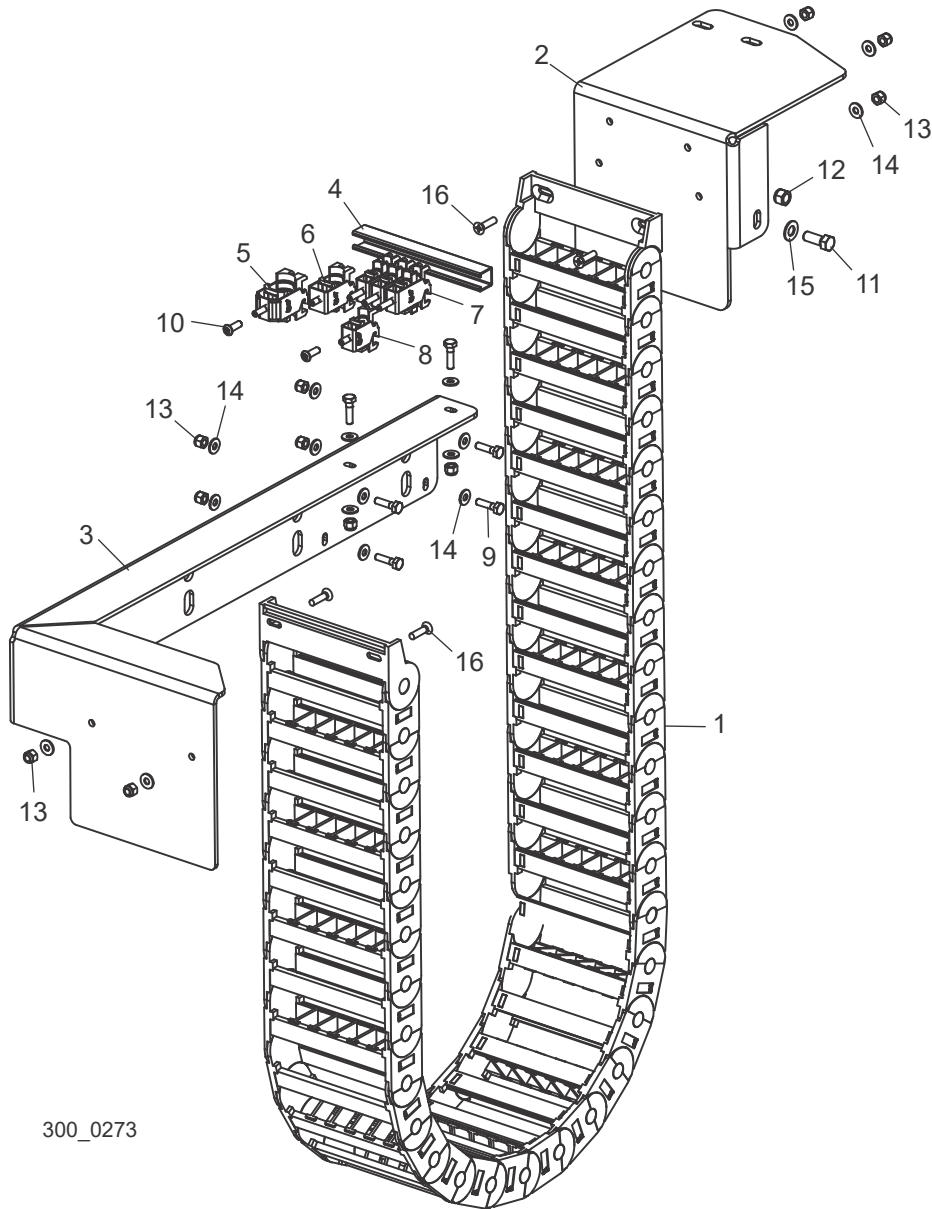
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	BELLOWS MNT WELDMENT, TOP	042814	1	
2	CLAMP, BELLOWS WORM	042419	1	
3	WELDMENT, BELLOWS GUARD	017647	1	
4	WASHER, 1/2 SPLIT LOCK	F05011-9	4	
5	BOLT, 1/2-13X1 1/2 HEX HEAD GR5	F05008-33	4	
6	WASHER, 3/8 FLAT SAE	F05011-3	4	
7	BOLT, 3/8-16X1 1/2 HEX HEAD GR2, ZINC	F05007-3	2	
8	NUT, 3/8-16 HEX NYL LOCK	F05010-10	2	
9	BELLOWS, PROTECTIVE, 5 IDX62 LONG	042823	1	

5.5 Head Stop



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	ASSEMBLY, HEAD STOP	113640	1	
1	Block, Head Stop	023886	1	
2	Washer, 3/8 Split Lock	F05011-4	2	
3	Bolt, 3/8-16X1 1/2 Hex Head Gr5, Znc	F05007-78	2	
4	Nut, 1/2-13 Zinc Jam	F05010-31	1	
5	Bolt, 1/2-13x1 1/2 Hex Head Gr5	F05008-33	1	

5.6 Up/Down Energy Chain Assembly



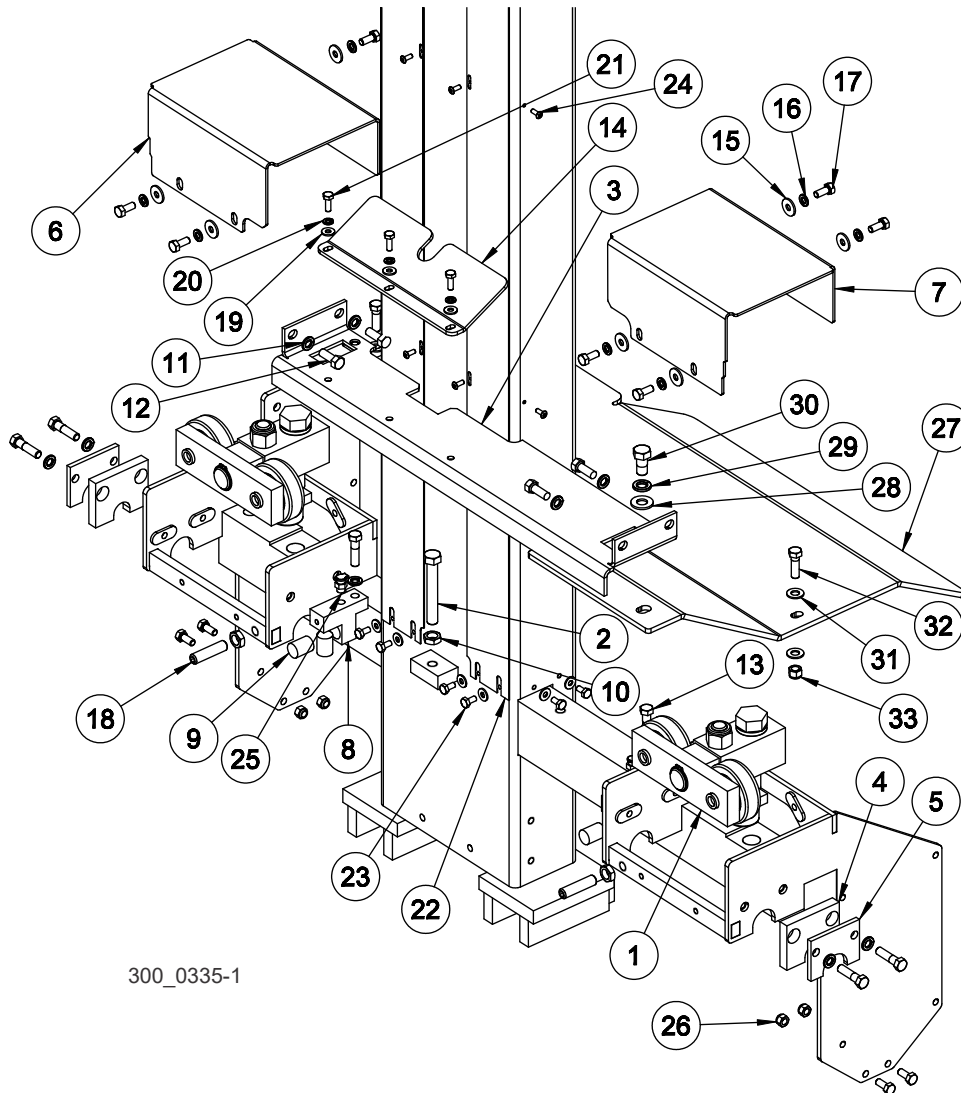
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CHAIN ASSEMBLY, UP/DOWN ENERGY (WM4000)	074052	1
1	Chain Assembly, Industrial Mill Up/down Energy	068207	1
2	Plate, Energy Chain Upper Mount	071310	1
3	Plate, Energy Chain Lower Mount	071313	1
	Relief Assembly, WM3000/3500 Strain	074003	1
4	Rail, CFX Strain Relief Profile	065979	1

5	Strain Relief, CFX 22-26mm Single Cable	065975	1	
6	Strain Relief, CFX 18-20mm Single Cable	065976	1	
7	Strain Relief, CFX 6-12mm Double Cable	065977	3	
8	Strain Relief, CFX 12-14mm Single Cable	065978	1	
9	Bolt, 1/4-20 x 1" Hex Head Grade 5	F05005-101	6	
10	Screw, 1/4-20 x 3/4" SBHC	F05005-60	2	
11	Bolt, 3/8-16 x 1" Hex Head Grade 5	F05007-87	1	
12	Nut, 3/8-16 Hex Nylon Lock	F05010-10	1	
13	Nut, 1/4-20 Nylon Lock	F05010-69	12	
14	Washer, 1/4" SAE Flat	F05011-11	18	
15	Washer, 3/8" SAE Flat	F05011-3	1	
16	Bolt, 1/4-20 x 1" Flat Head	F05015-26	4	

SECTION 6 POWER FEED

6.1 Upper Track Rollers & Rails



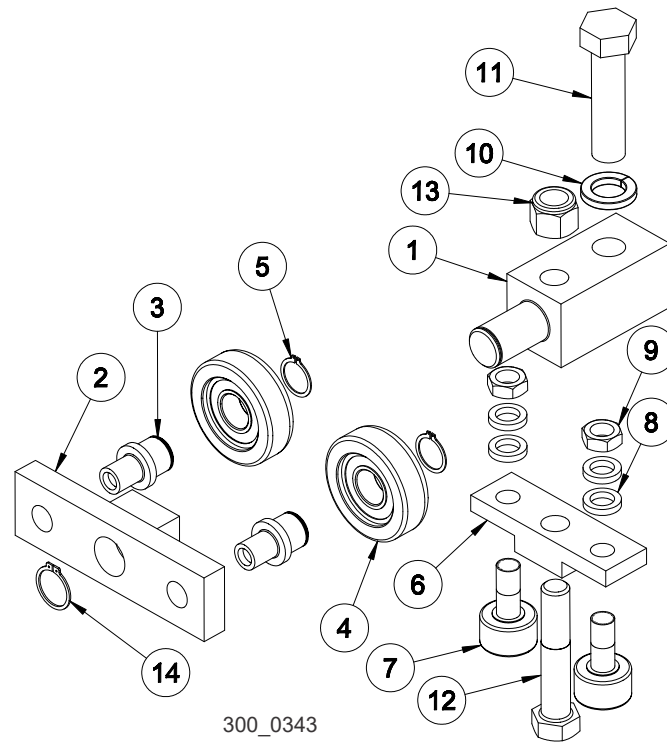
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	BLOCK ASSEMBLY, UPPER ROLLER	042506	2
2	BOLT, 1/2-13X3 1/2 FULL HEX HEAD, ZN	F05008-11	1
3	WELDMENT, CENTER COVER	042391	1
4	WIPER PAD, PLASTIC	045175	2
5	WIPER PLATE	045176	2
6	COVER, TOP RIGHT	042394	1
7	COVER, TOP LEFT	042368	1

8	BLOCK, TOP OILER	045045	2	
9	WIPER, ROUND GRAY FELT	033375	4	
10	NUT, 1/2-13 ZINC JAM	F05010-31	3	
11	WASHER, 3/8 SPLIT LOCK	F05011-4	10	
12	BOLT, 3/8-16X1 HEX HEAD	F05007-7	4	
13	BOLT, 3/8-16X1 1/2 HEX HEAD GR2, ZINC	F05007-3	6	
14	RAMP, SAWDUST	016801	1	
15	WASHER, 5/16 STANDARD FLAT	F05011-16	8	
16	WASHER, 5/16 SPLIT LOCK	F05011-13	8	
17	BOLT, 5/16-18X3/4 HEX HEAD GR2	F05006-5	12	
18	SCREW, 1/2 -13X 2 FP BO SS	F05008-130	2	
19	WASHER, 1/4 SAE FLAT	F05011-11	27	
20	WASHER, 1/4 SPLIT LOCK	F05011-14	3	
21	BOLT, 1/4-20X3/4 HEX HEAD	F05005-129	3	
22	RAIL, WIDE BEARING SURFACE	042773 ¹	5	
23	BOLT, 1/4-20X1/2 HEX HEAD	F05005-15	24	
24	BOLT, #10-24X1/2 SOCKET BH	F05004-35	18	
25	FITTING, 1/8NPT, OIL HOLE COVER	036333	2	
26	NUT, 5/16-18 NYL LOCK	F05010-58	4	
27	GUARD, MOTOR	115157	1	
28	WASHER, 1/2 SAE FLAT	F05011-2	2	
29	WASHER, 1/2 SPLIT LOCK	F05011-9	2	
30	BOLT, 1/2-13X1 HEX HEAD GR2	F05008-50	2	
31	WASHER, 3/8 FLAT SAE	F05011-3	10	
32	BOLT, 3/8-16X 1 1/4 HEX HEAD GR5	F05007-123	5	
33	NUT, 3/8-16 HEX NYL LOCK	F05010-10	5	

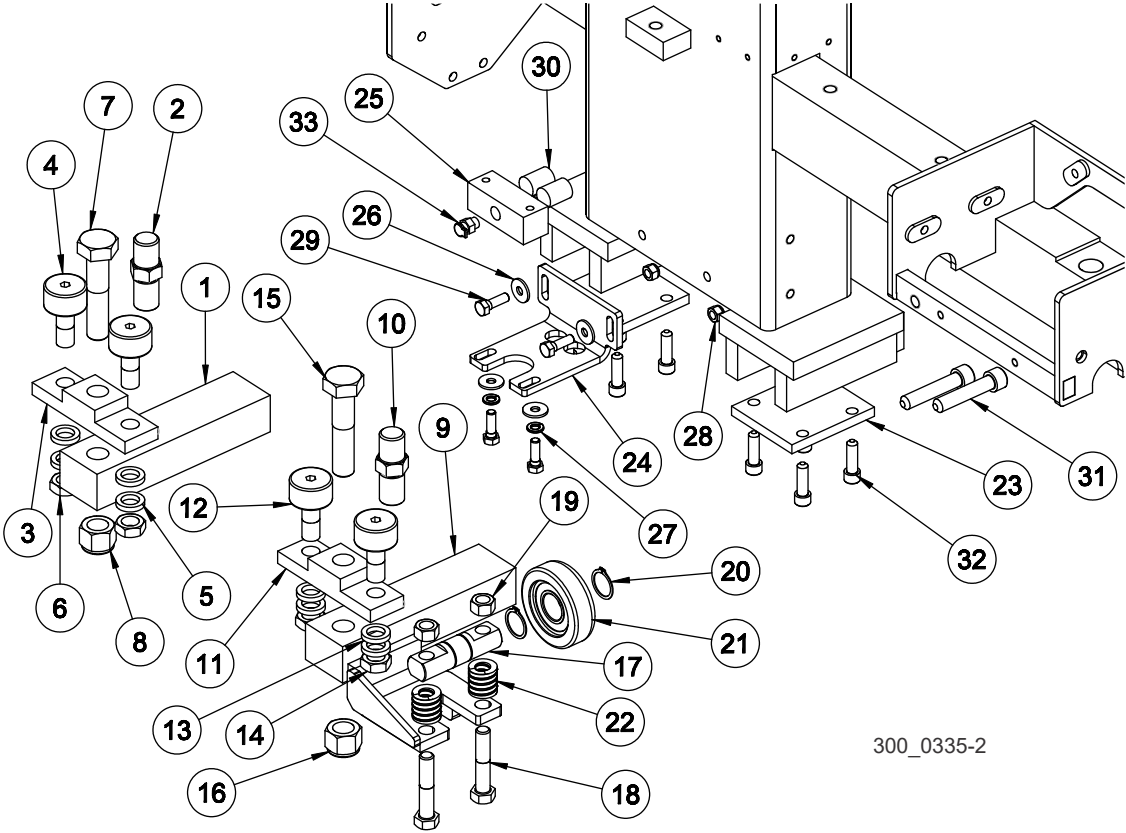
¹ Available also in 042788 Up/Down Bearing Rail Kit including (6) 042773 Rails, (24) F05011-11 Washers, (24) F05005-15 Bolts and (18) F05004-35 Screws.

6.2 Upper Roller Block Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BLOCK ASSEMBLY, UPPER ROLLER	042506	1
1	Block, Upper Roller Mount	042505	1
	Block Assembly, Upper Roller	042507	1
2	Block Weldment, Roller Mount	042503	1
3	Pin, Roller Mount	042504	2
4	Bearing, MG305DDA	023857	2
5	Ring, 1 OR	F04254-15	2
6	Block, Cam Follower Mount	042500	1
7	Bearing, Cam Follower 1 1/2	012797	2
8	Tube, 41/64x1x3/16	S12480	4
9	Nut, 5/8-18 Hex Jam	F05010-11	2
10	Washer, Split Lock 7/8 Zinc	F05011-46	1
11	Bolt, 7/8-14x3 1/2 Hex Head Gr5	F05014-1	1
12	Bolt, 3/4-10x4 Hex Head Gr5	F05013-3	1
13	Nut, 3/4-10 Nylock	F05010-103	1
14	Ring, 1 1/8 External Retaining	F04254-36	1

6.3 Lower Track Rollers



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BLOCK ASSEMBLY, LOWER ROLLER, THREADED	036345	1
1	Block, Lower Roller LT300	036326	1
2	Lock Pin, Head Safety Hex	036324	1
3	Block, Cam Follower Mount	042500	1
4	Bearing, Cam Follower 1 1/2	012797	2
5	Tube, 41/64x1x3/16	S12480	4
6	Nut, 5/8-18 Hex Jam	F05010-11	2
7	Bolt, 3/4-10x3 1/2 Hex Head	F05009-54	1
8	Nut, 3/4-10 Nylock	F05010-103	1
	ROLLER ASSEMBLY, LOWER W/BOTTOM ROLLER	036701	1
9	Roller Weldment, Lower w/Bottom Roller	036700	1
10	Lock Pin, Head Safety Hex	036324	1
11	Block, Cam Follower Mount	042500	1
12	Bearing, Cam Follower 1 1/2	012797	2
13	Tube, 41/64x1x3/16	S12480	4
14	Nut, 5/8-18 Hex Jam	F05010-11	2

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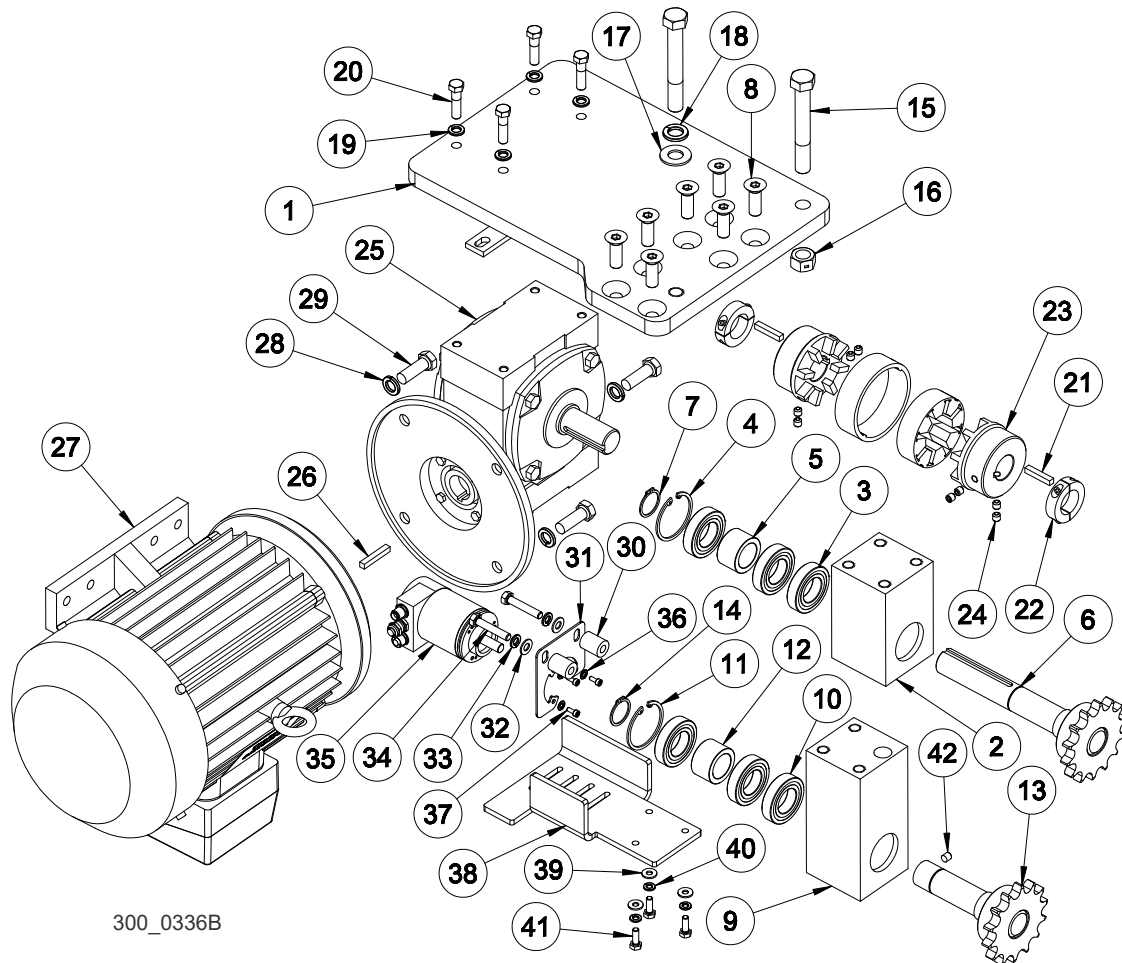
Power Feed*Lower Track Rollers*

15	Bolt, 3/4-10x3 1/2 Hex Head	F05009-54	1	
16	Nut, 3/4-10 Nylock	F05010-103	1	
17	Shaft, Top Roller Bearing	023858	1	
18	Bolt, Hex Head 1/2-13x2 1/2 Gr5 Zinc	F05008-74	2	
19	Nut, 1/2-13 Swaged Hex	F05010-3	2	
20	Ring, 1 OR	F04254-15	2	
21	Bearing, MG305DDA	023857	1	
22	Spring, Die, Heavy 1/2IDx1ODx1	036713	2	
23	PLATE, LOWER ROLLER RETAINER	045158	2	
24	PLATE, BOTTOM OILER	042415	1	
25	BLOCK, BOTTOM OILER	036334	1	
26	WASHER, 5/16 STANDARD FLAT	F05011-16	4	
27	WASHER, 5/16 SPLIT LOCK	F05011-13	2	
28	NUT, 5/16-18 NYL LOCK	F05010-58	2	
29	BOLT, 5/16-18X1 HEX HEAD GR2	F05006-1	4	
30	WIPER, ROUND GRAY FELT	033375	2	
31	BOLT, 1/2-20X2 1/2 SH BO	F05008-45	4	
32	SCREW, 3/8-16X1 1/4 SH BO	F05007-150	8	
33	FITTING, 1/8NPT, OIL HOLE COVER	036333	1	

6.4 Power Feed Drive Motor

WM4500

Rev A1.00 - A2.00



300_0336B

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, WM4500 POWER FEED	115143	1
1	Weldment, WM4500 P/F Mount Plate	115144	1
	Assembly, 1-1/8 P/F Shaft Bearing	115146	1
2	Block, P/F Bearing Housing	115147	1
3	Bearing, 1-1/8 Bore R18-2Rs	066798	3
4	Ring, 2-1/8 Internal Retaining	F04254-38	1
5	Spacer, 1-1/8 P/F Bearing	042387	1
6	Weldment, 1-1/8 Dia P/F Shaft	042365	1
7	Ring, 2-1/8 Internal Retaining	F04254-38	1
	Screw, 1/2-13 x 1.5 FHSB B/O	F05008-80	7
	Assembly, WM4000 P/F Idler Shaft	115148	1
9	Block, WM4500 P/F Encoder Housing	115149	1

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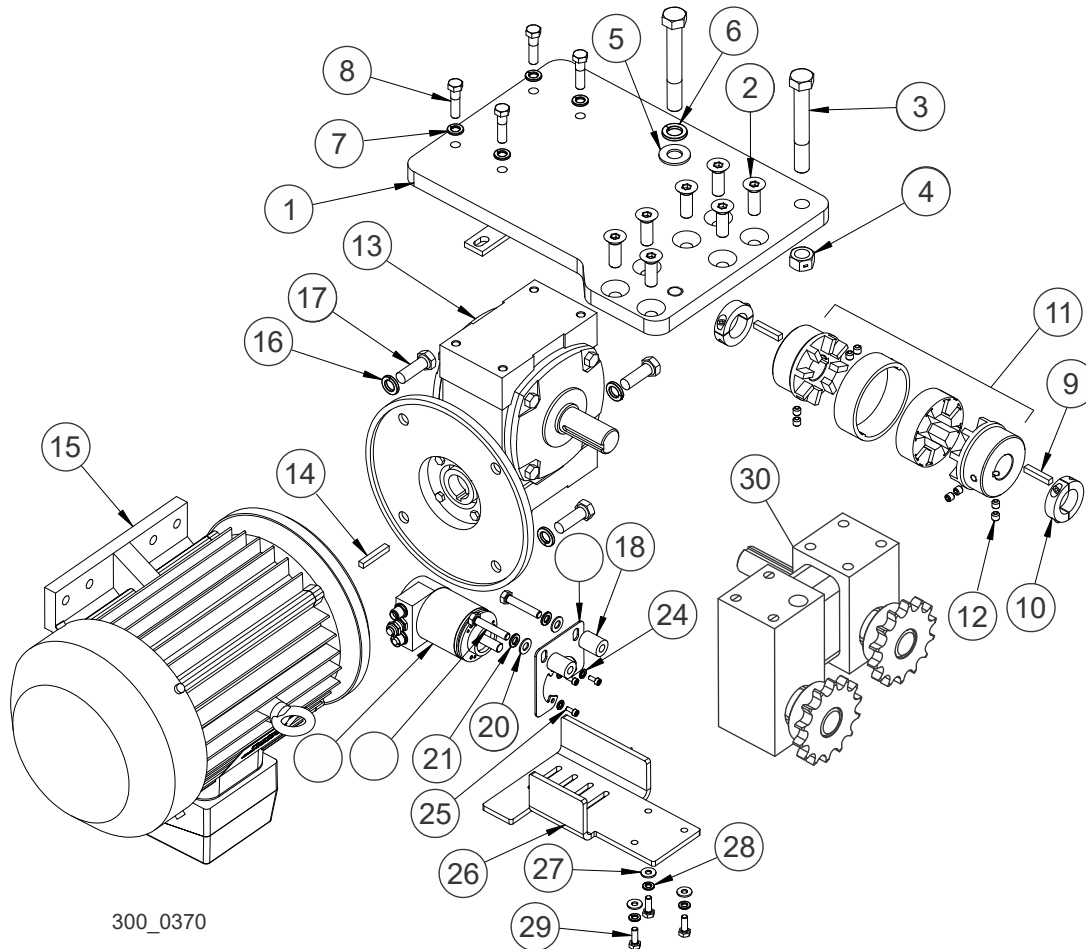
Power Feed*Power Feed Drive Motor*

10	Bearing, 1-1/8 Bore R18-2Rs	066798	3	
11	Ring, 2-1/8 Internal Retaining	F04254-38	1	
12	Spacer, 1-1/8 P/F Bearing	042387	1	
13	Weldment, WM4000 PF Encoder Shaft	108124	1	
14	Ring, 1 1/8 External Retaining	F04254-36	1	
15	Bolt, 5/8-11x4 1/2 Hex Head Gr5	F05009-10	2	
16	Nut, 5/8-11 Swaged Hex	F05010-4	1	
17	Washer, 5/8 SAE Flat	F05011-5	1	
18	Washer, 5/8 Split Zinc Lock Gr8	F05011-118	1	
19	Washer, 3/8 Split Lock	F05011-4	4	
20	Bolt, 3/8-16X1 1/2 Hex Head GR2, Zinc	F05007-3	4	
21	Key, 1/4Sq x1 3/8	017832	2	
22	Collar, 1 1/8" Shaft, Clamp-On	038445	2	
23	Coupling, 10Rx1-1/8x1-1/8 Power Feed	115150	1	
	Coupling Body, 10Rx1-1/8	042655-4	2	
	Coupling Ring, Steel, 10R	042655-5	1	
	Coupling Spider, Urethane, 10R	042655-2	1	
24	Screw, M8-1.25x8mm SH Set BO	F05004-234	8	
25	Gearbox, P/F IUC70-7.5:1-R-180TC	115151	1	
26	Key, 1/4Sqx1 5/8	042810	1	
27	Motor, 5HP 3P 230/460 184TC	115152	1	
28	Washer, 1/2 Split Lock	F05011-9	4	
29	Bolt, 1/2-13x1 1/2 Hex Head Gr5	F05008-33	4	
30	Spacer, 11/32x3/4x.96	110027	2	
31	Plate, WM4000 PF Encoder Mnt	110026	1	
32	Washer, 5/16 SAE Flat	F05011-17	2	
33	Washer, 5/16 Split Lock	F05011-13	2	
34	Bolt, 5/16-18x1 3/4 FT Gr5	F05006-81	2	
35	Encoder WM4000	068046	1	
36	Washer, M4 Split Washer, Zinc	F05011-57	3	
37	Screw, M4-.7x10 SHC Zinc	F05004-263	3	
38	Plate, WM4000 PF Encoder Guard	108129	1	
39	Washer, 1/4 SAE Flat	F05011-11	3	
40	Washer, 1/4 Split Lock	F05011-14	3	
41	Bolt, 1/4-20x3/4 Hex Head Gr5	F05005-123	3	
42	Screw, 5/16-24x3/8 SHOP Set	F05006-40	1	

6.5 Power Feed Drive Motor

WM4500

Rev A2.01 +



300_0370

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ASSEMBLY, WM4500 POWER FEED	115143	1
1	Weldment, WM4500 P/F Mount Plate	115144	1
2	Screw, 1/2-13 x 1.5 FHSB B/O	F05008-80	7
3	Bolt, 5/8-11x4 1/2 Hex Head Gr5	F05009-10	2
4	Nut, 5/8-11 Swaged Hex	F05010-4	1
5	Washer, 5/8 SAE Flat	F05011-5	1
6	Washer, 5/8 Split Zinc Lock Gr8	F05011-118	1
7	Washer, 3/8 Split Lock	F05011-4	4
8	Bolt, 3/8-16X1 1/2 Hex Head GR2, Zinc	F05007-3	4
9	Key, 1/4Sq x1 3/8	017832	2
10	Collar, 1 1/8" Shaft, Clamp-On	038445	2

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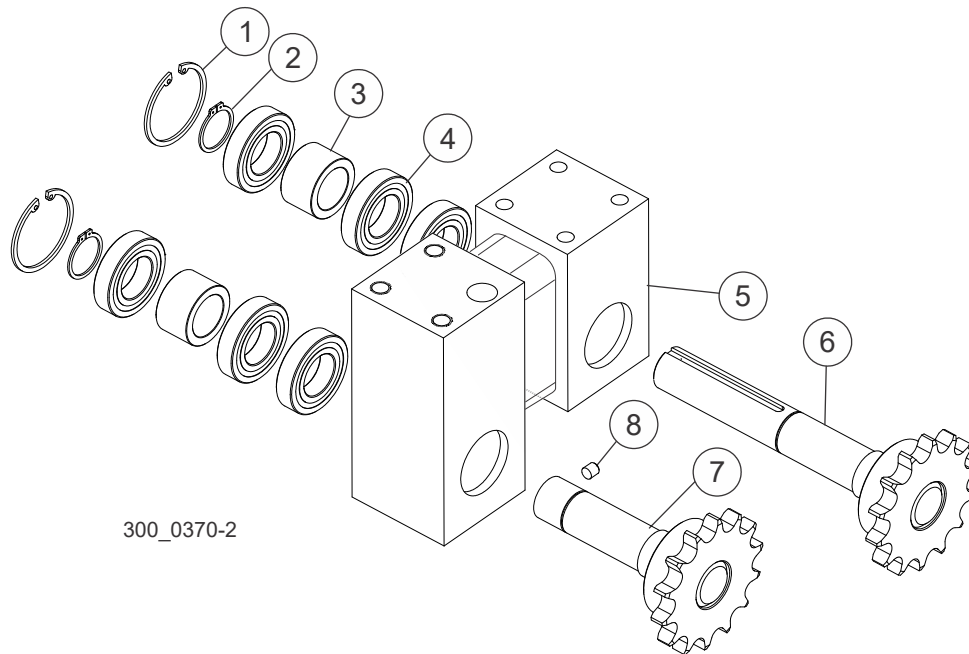
Power Feed*Power Feed Drive Motor*

11	Coupling, 10Rx1-1/8x1-1/8 Power Feed	115150	1	
	Coupling Body, 10Rx1-1/8	042655-4	2	
	Coupling Ring, Steel, 10R	042655-5	1	
	Coupling Spider, Urethane, 10R	042655-2	1	
12	Screw, M8-1.25x8mm SH Set BO	F05004-234	8	
13	Gearbox, P/F IUC70-7.5:1-R-180TC	115151	1	
14	Key, 1/4Sqx1 5/8	042810	1	
15	Motor, 5HP 3P 230/460 184TC	115152	1	
16	Washer, 1/2 Split Lock	F05011-9	4	
17	Bolt, 1/2-13x1 1/2 Hex Head Gr5	F05008-33	4	
18	Spacer, 11/32x3/4x.96	110027	2	
19	Plate, WM4000 PF Encoder Mnt	110026	1	
20	Washer, 5/16 SAE Flat	F05011-17	2	
21	Washer, 5/16 Split Lock	F05011-13	2	
22	Bolt, 5/16-18x1 3/4 FT Gr5	F05006-81	2	
23	Encoder WM4000	068046	1	
24	Washer, M4 Split Washer, Zinc	F05011-57	3	
25	Screw, M4-.7x10 SHC Zinc	F05004-263	3	
26	Plate, WM4000 PF Encoder Guard	108129	1	
27	Washer, 1/4 SAE Flat	F05011-11	3	
28	Washer, 1/4 Split Lock	F05011-14	3	
29	Bolt, 1/4-20x3/4 Hex Head Gr5	F05005-123	3	
30	Block Assy, WM4500 P/F (See Section 6.6)	128152	1	

6.6 Power Feed Drive Block Assembly

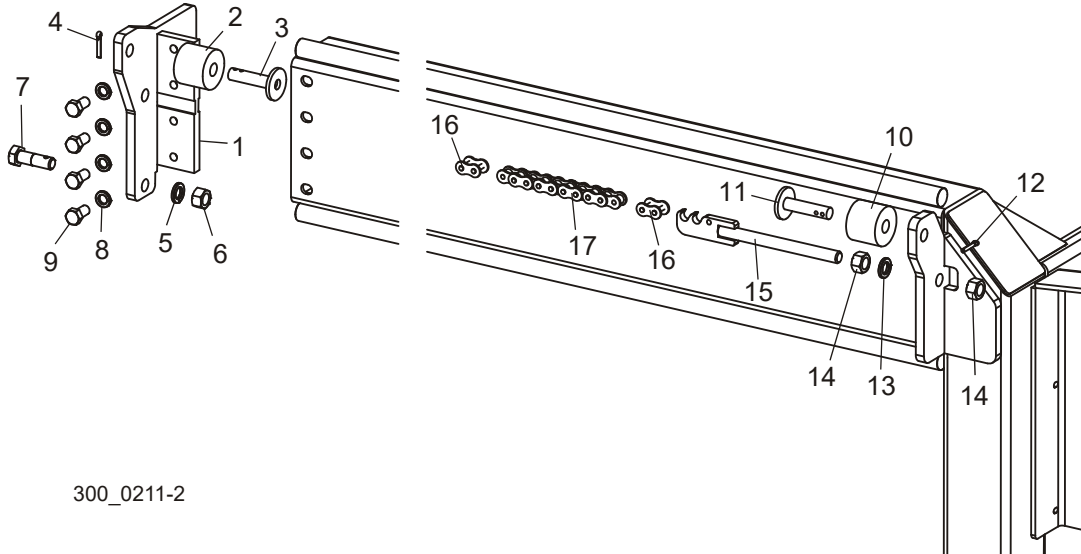
WM4500

Rev A2.01 +



REF	DESCRIPTION (♦ Indicates Parts Available in Assemblies Only)	PART #	QTY.
	BLOCK ASSY, WM4500 P/F	128154	
1	Ring, 2-1/8 Internal Retaining	F04254-38	2
2	Ring, 1 1/8 External Retaining	F04254-36	2
3	Bearing, 1-1/8 Bore R18-2Rs	066798	6
4	Spacer, P/F Bearing	042387	2
5	Block Weldment, WM4500 P/F	128152	1
6	Weldment, 1-1/8 Dia PF Shaft	042365	1
7	Weldment, WM4000 PF Encoder Shaft	108124	1
8	Screw, 5/16-24x3/8 SHOP Set	F05006-40	1

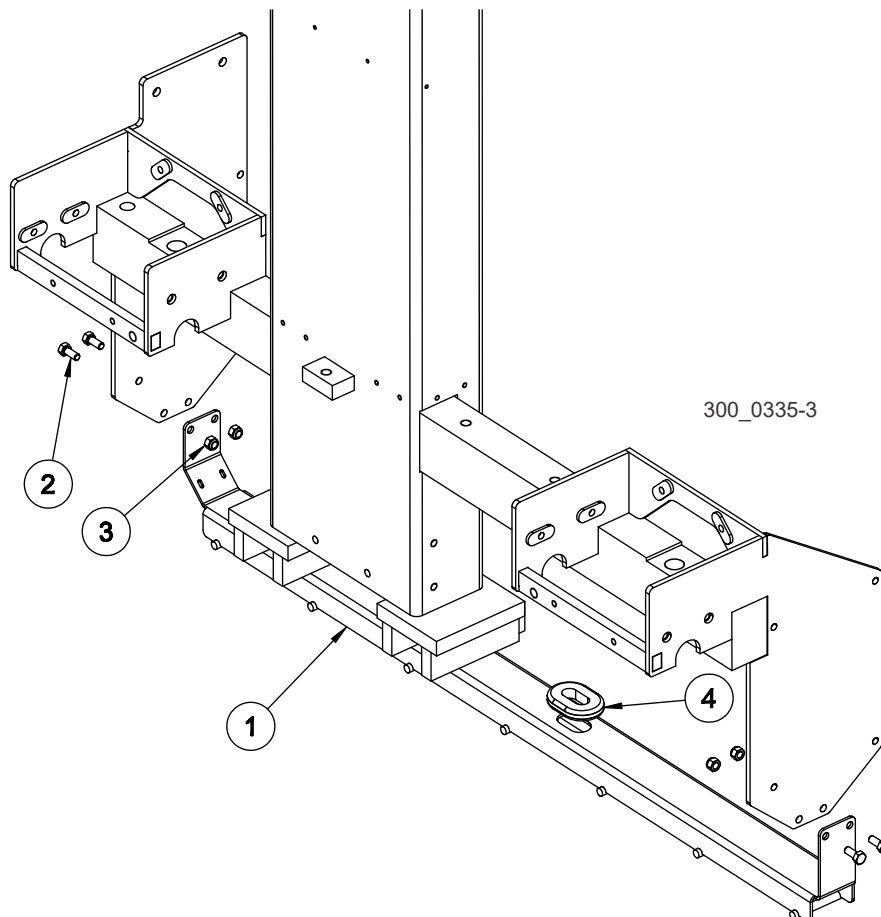
6.7 Feed Chain & Stops



300_0211-2

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	STOP ASSEMBLY, FRONT SAW HEAD	035646	1
1	Bracket Weldment, Front Saw Head Stop	042408	1
2	Bushing, 11/16" x 2 1/8" x 1 3/4" Rubber	P12165	1
3	Pin Weldment, Head Stop	W09293	1
4	Pin, 3/16" x 1" Cotter	F05012-21	1
5	Washer, 5/8" Split Lock	F05011-27	1
6	Nut, 5/8-18 Hex	F05010-50	1
7	Bolt, #60 Feed Chain Tensioner	035653	1
8	Washer, 1/2" Split Lock	F05011-9	4
9	Bolt, 1/2-13 x 1 Hex Head Grade 8	F05008-128	4
	STOP ASSEMBLY, WM4000 REAR HEAD	065992	1
10	Bushing, 11/16" x 2 1/8" x 1 3/4" Rubber	P12165	1
11	Pin Weldment, Head Stop	W09293	1
12	Pin, 3/16" x 1" Cotter	F05012-21	1
13	Washer, 5/8" Split Lock	F05011-27	1
14	Nut, 5/8-18 Hex	F05010-50	2
15	Rod Weldment, #60 Feed Chain Tensioner	035652	1
16	Link, #60 Master	042398	2
17	Chain #60x28' Power Feed - 447 links	098575	1

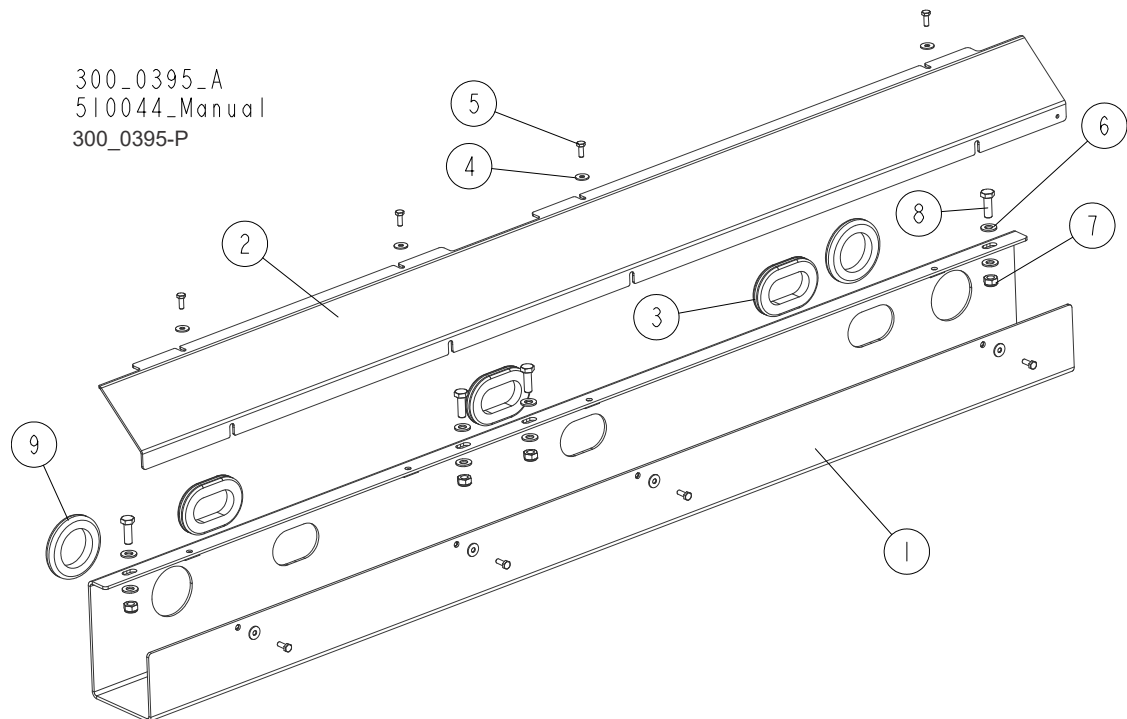
6.8 Lower Wireway



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	CABLE CARRIER, LOWER	113638	1
2	BOLT, 5/16-18 X 3/4" HEX HEAD	F05006-5	4
3	NUT, 5/16-18 HEX NYLON LOCK	F05010-58	4
4	GROMMET, 1" X 1 3/4" OVAL RUBBER	085613	2

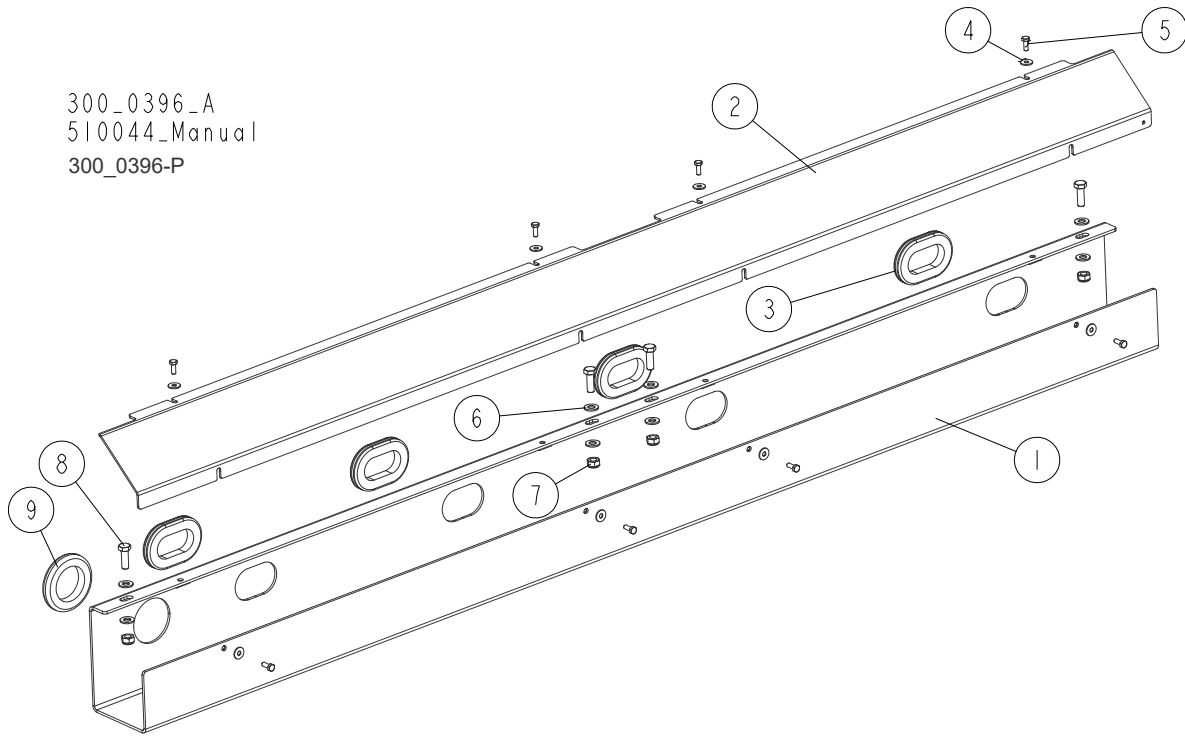
SECTION 7 BED FRAME

7.1 Front Hydraulic Hose Duct



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	DUCT, FRONT HYDRAULIC HOSE - COMPLETE	510240	1
1	Duct Weldment, Front Hydraulic Hose	510237-1	1
2	Cover, Front Hydraulic Hose Duct	510239-1	1
3	Grommet, 70x36x4 Rubber	089532	3
4	Washer, 6.5 Special Flat Zinc	F81053-11	8
5	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	8
6	Washer, 10.5 Flat Zinc	F81055-1	8
7	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	4
8	Bolt, M10x30-5.8 Hex Head Full Thread Zinc	F81003-2	4
9	Seal Rubber, Wire	085614	2

7.2 Middle Hydraulic Hose Duct

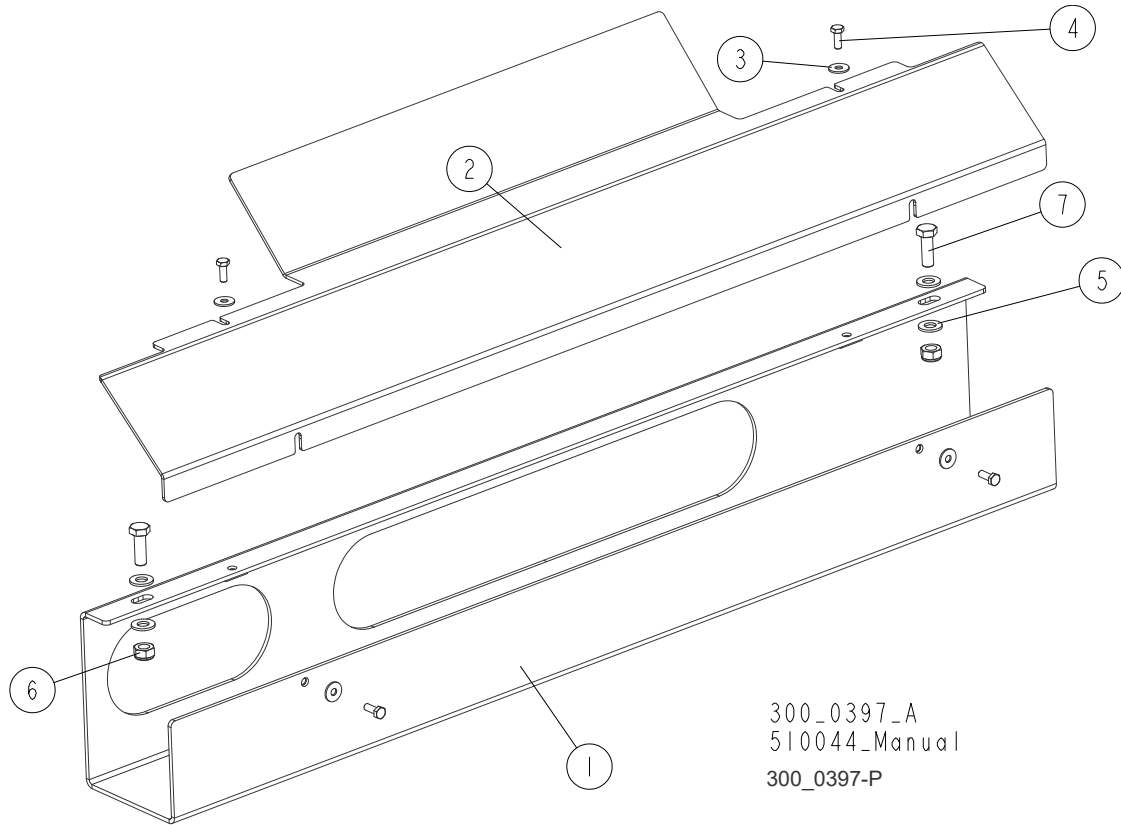


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY	
	DUCT, MIDDLE HYDRAULIC HOSE - COMPLETE	510235	1	
1	Duct, Middle Hydraulic Hose	510234-1	1	
2	Cover, Middle Hydraulic Hose Duct	510238-1	1	
3	Grommet, 70x36x4 Rubber	089532	4	
4	Washer, 6.5 Special Flat Zinc	F81053-11	8	
5	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	8	
6	Washer, 10.5 Flat Zinc	F81055-1	8	
7	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	4	
8	Bolt, M10x30-5.8 Hex Head Full Thread Zinc	F81003-2	4	
9	Seal Rubber, Wire	085614	1	

7 Bed Frame

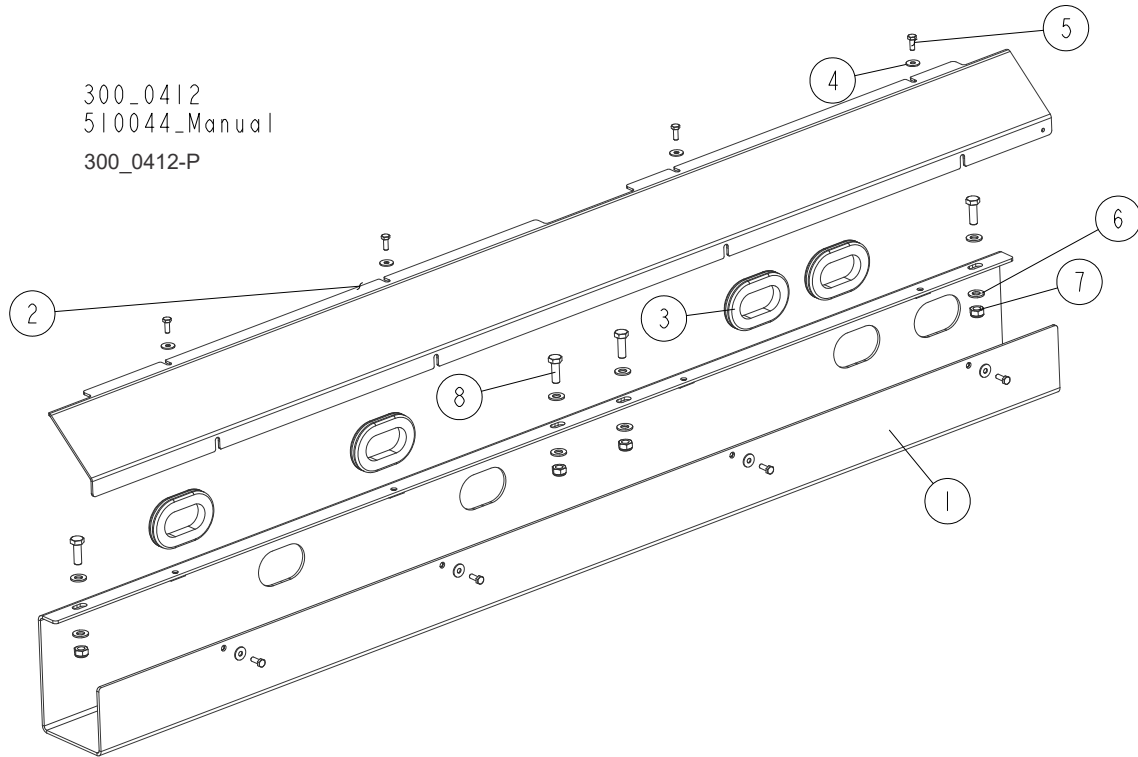
Rear Hydraulic Hose Duct

7.3 Rear Hydraulic Hose Duct



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	DUCT, REAR HYDRAULIC HOSE - COMPLETE	510510	1
1	Duct Weldment, Rear Hydraulic Hose	510509-1	1
2	Cover, Rear Hydraulic Hose Duct	510511-1	1
3	Washer, 6.5 Special Flat Zinc	F81053-11	4
4	Bolt, M6x16 8.8 Hex Head Full Thread Zinc	F81001-15	4
5	Washer, 10.5 Flat Zinc	F81055-1	4
6	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	2
7	Bolt, M10x30-5.8 Hex Head Full Thread Zinc	F81003-2	2

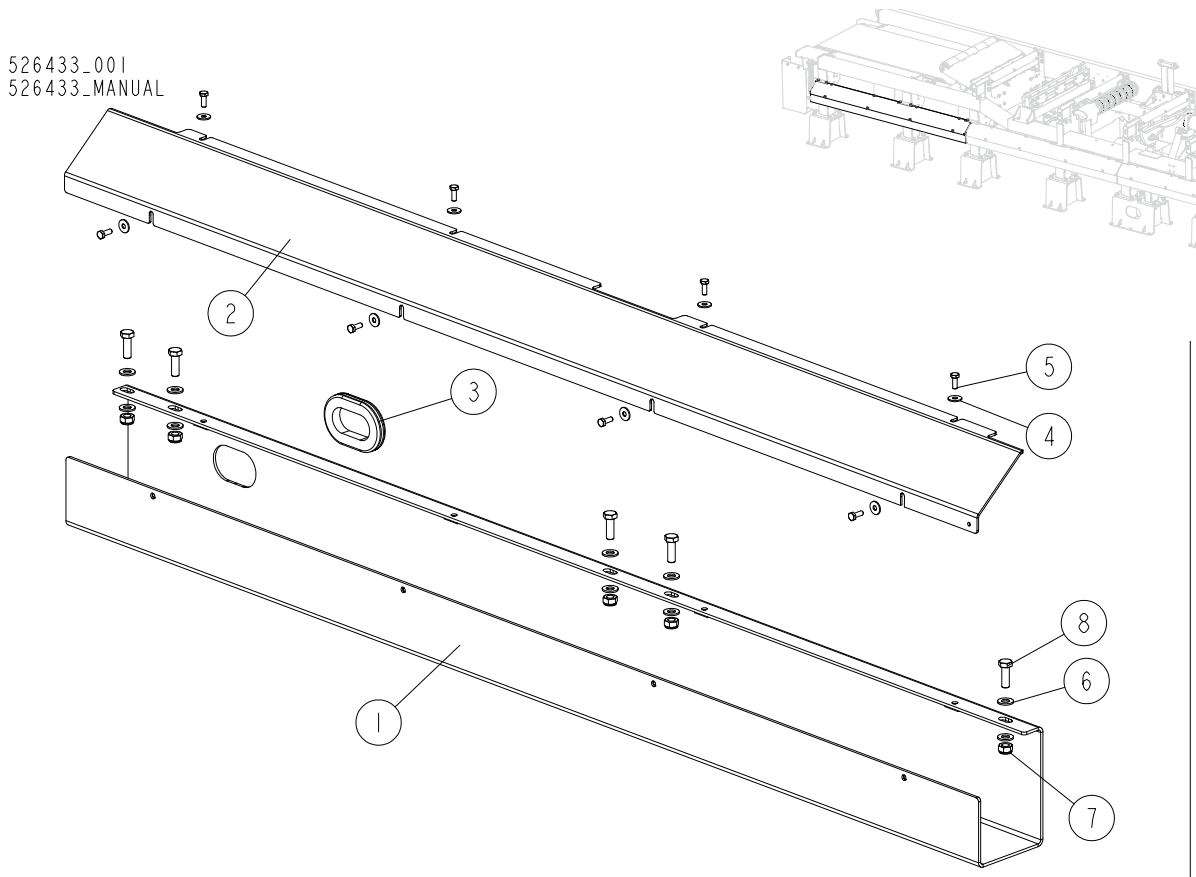
7.4 Front Hydraulic Hose Duct



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY	
	DUCT, FRONT HYDRAULIC HOSE - COMPLETE	519000	1	
1	Duct Weldment, Front Hydraulic Hose	519003-1	1	
2	Cover, Front Hydraulic Hose Duct	519001-1	1	
3	Grommet, Rubber	089532	4	
4	Washer, Flat Zinc	F81053-11	8	
5	Bolt, M6 X 16 8.8 FE/ZN5 PN-M/82105	F81001-15	8	
6	Washer, 10.5 Flat Zinc	F81055-1	8	
7	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	4	
8	Bolt, M10x30-5.8 Hex Head Full Thread Zi	F81003-2	4	

7 **Bed Frame**
Rear Hydraulic Hose Duct

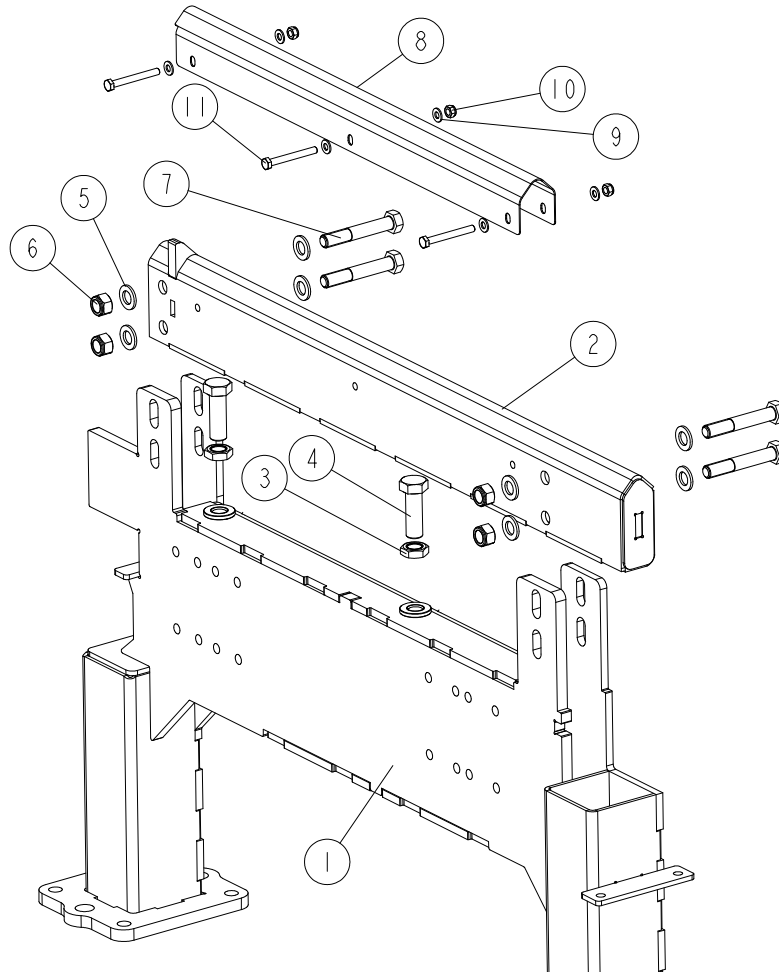
7.5 Rear Hydraulic Hose Duct



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	DUCT, REAR HYDRAULIC HOSE - COMPLETE	526433	1
1	Duct Weldment, Rear Hydraulic Hose	526435-1	1
2	Cover, Rear Hydraulic Hose Duct	526434-1	1
3	Grommet, Rubber	089532	1
4	Washer, 6.5 Special Flat Zinc	F81053-11	8
5	Bolt, M6x16-8.8 Hex Head Full Thread Zinc	F81001-15	8
6	Washer, 10.5 Flat Zinc	F81055-1	10
7	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	5
8	Bolt, M10x30-8.8 Hex Head Full Thread Zinc	F81003-2	5

7.6 Bed Rail Assembly

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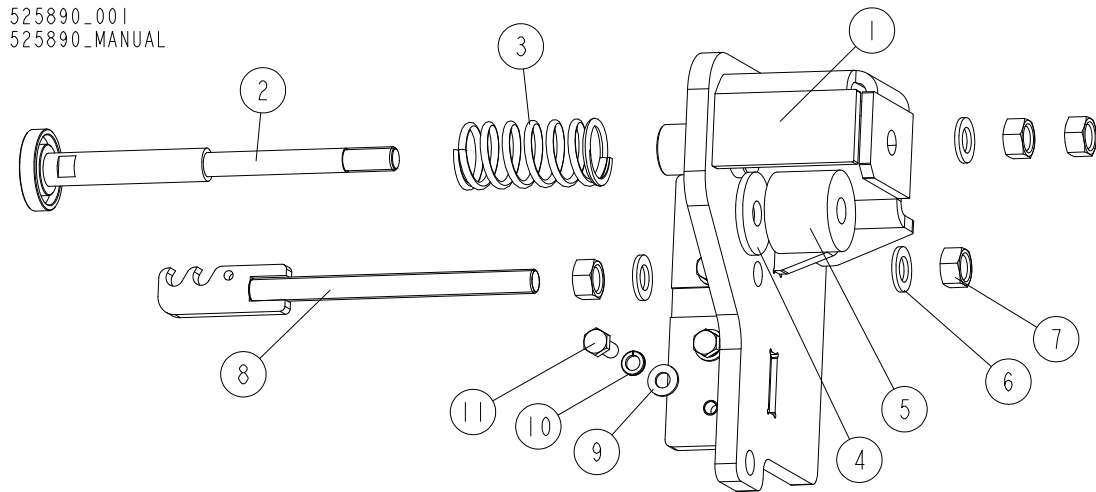


REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY
	RAIL ASSEMBLY, BED (NO. 1, 7)	523643	1
1	Mount Weldment, WM4000 Bed Rail (No. 1, 7)	523644	1
2	Rail, WM4000 Bed	525555	1
3	Nut, M20 ISO 4035 Hex Thin Zinc	F81037-9	2
4	Bolt, M20x60 8.8 Hex Head Full Thread Zinc	F81007-5	2
5	Washer, 17 Split Lock Zinc	F81058-1	8
6	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	4
7	Bolt, M16x100-8.8 Hex Head Zinc	F81006-60	4
	Cover, WM4000 Bed Rail - Complete	525563	1
8	Cover, WM4000 Bed Rail	525561	1
9	Washer, 8.4 Flat Zinc	F81054-1	6
10	Nut, M8-8-B Hex Nylon Zinc Lock	F81032-2	3
11	Bolt, M8x70-8.8 Hex Head Zinc	F81002-71	3

7 Bed Frame

Rear Bumper

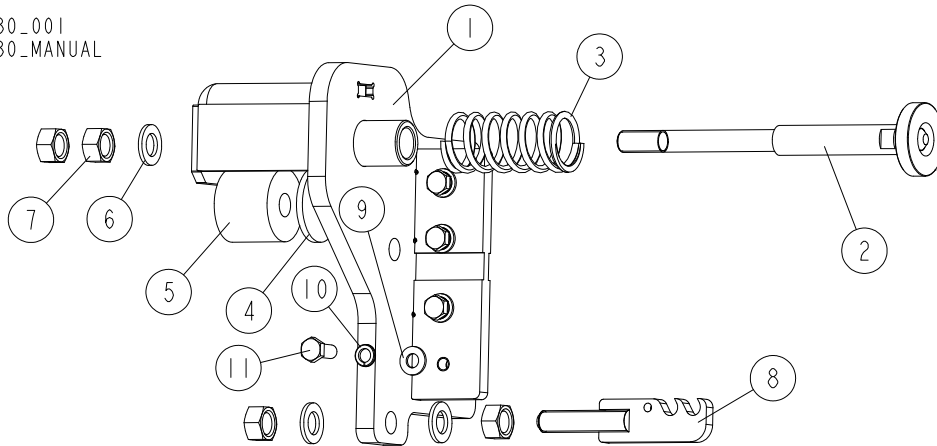
7.7 Rear Bumper



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	BUMPER, WM4000 REAR - COMPLETE	525890	1
1	Bracket, WM4000 Rear Bumper - Complete	525885-1	1
2	Pin, Bumper Spring - Complete	525878-1	1
3	Spring, 5x95.5x5 Alcomex D3890	525879	1
4	Washer, 16.5/55-5	525881-1	1
5	Bushing, 11/16x2 1/8x1 3/4 Rubber	P12165	1
6	Washer, 17 Split Lock Zinc	F81058-1	3
7	Nut, M16-8 Hex Zinc	F81036-1	4
8	Bracket, LT300 Front Zinc-plated Chain Hook	094021-1	1
9	Washer, 10.5 Flat Zinc	F81055-1	4
10	Washer, Z 10.2 Split Lock Zinc	F81055-2	4
11	Bolt, M10x25 8.8 Hex Head Full Thread Zinc	F81003-11	4

7.8 Front Bumper

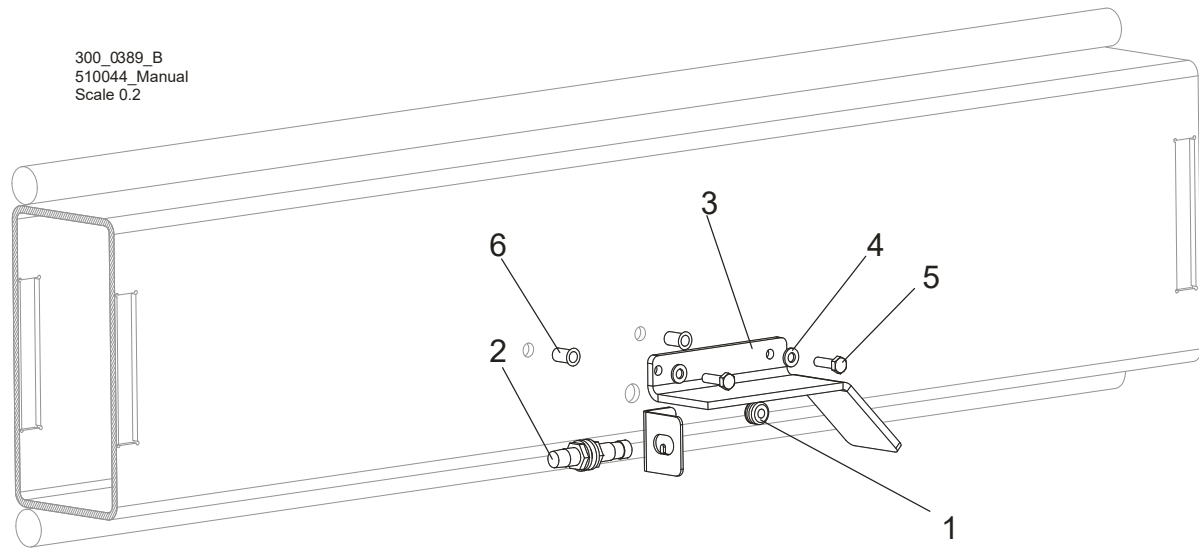
525880_001
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REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	BUMPER, WM4000 FRONT - COMPLETE	525880	1
1	Bracket, WM4000 Front Bumper - Complete	525884-1	1
2	Pin, Bumper Spring - Complete	525878-1	1
3	Spring, 45x95,5x5 Alcomex D3890	525879	1
4	Washer, 16.5/55-5	525881-1	1
5	Bushing, 11/16x2 1/8x1 3/4 Rubber	P12165	1
6	Washer, 17 Split Lock Zinc	F81058-1	3
7	Nut, M16-8 Hex Zinc	F81036-1	4
8	Bracket, LT300 Chain Hook Zinc-plated	094373-1	1
9	Washer, 10.5 Flat Zinc	F81055-1	4
10	Washer, Z 10.2 Split Lock Zinc	F81055-2	4
11	Bolt, M10x25 8.8 Hex Head Full Thread Zinc	F81003-11	4

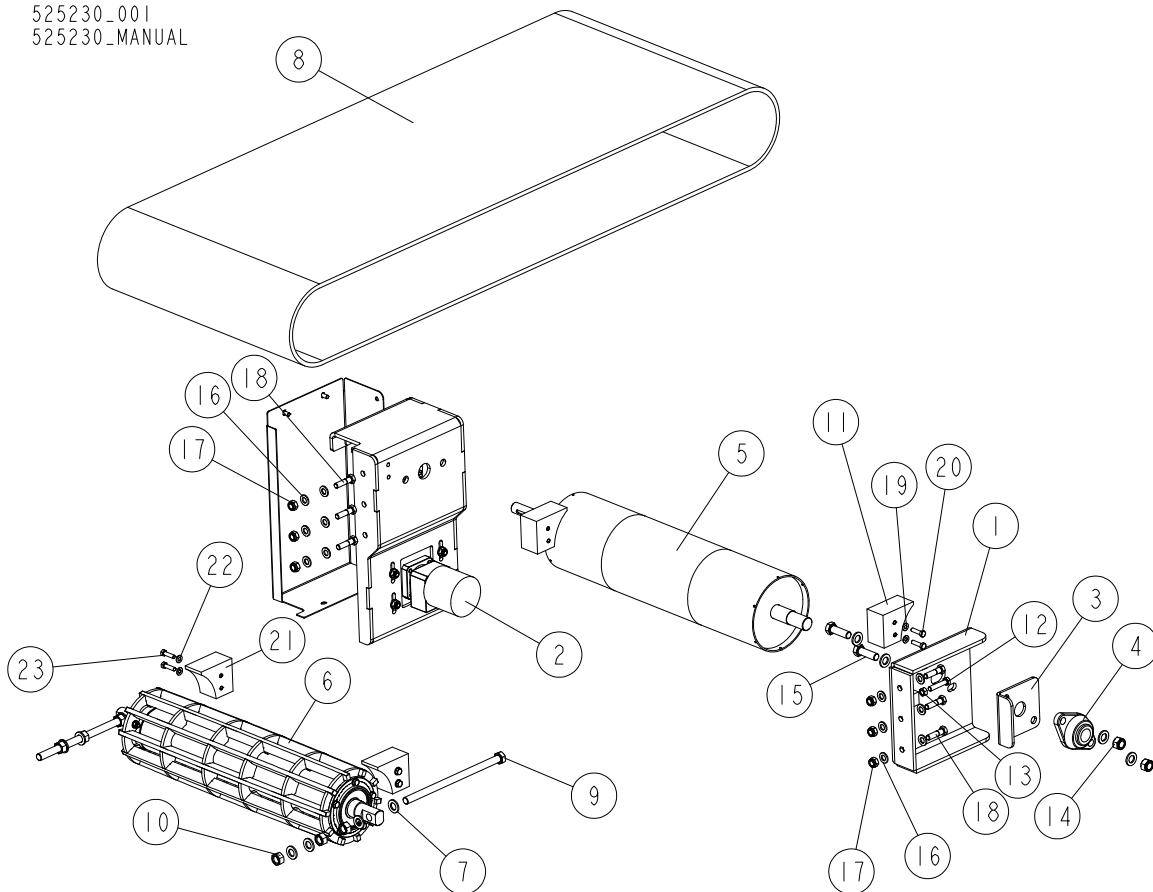
7 **Bed Frame**
Side Support Sensor Guard

7.9 Side Support Sensor Guard



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY	
1	GROMMET, GH6 RUBBER	085338	1	
2	SENSOR, BES M12MG-PSC80F-S04G INDUCTIVE PROXIMITY	093168	1	
3	GUARD, SIDE SUPPORT SENSOR	510507-1	1	
4	WASHER, 6.4 FLAT ZINC	F81053-1	2	
5	BOLT, M6x20-8.8 HEX HEAD FULL THREAD ZINC	F81001-2	2	
6	NUT, M6/1.5-3.0 BLIND RIVET	F81031-8	2	

7.10 WM4000 Belt Conveyor



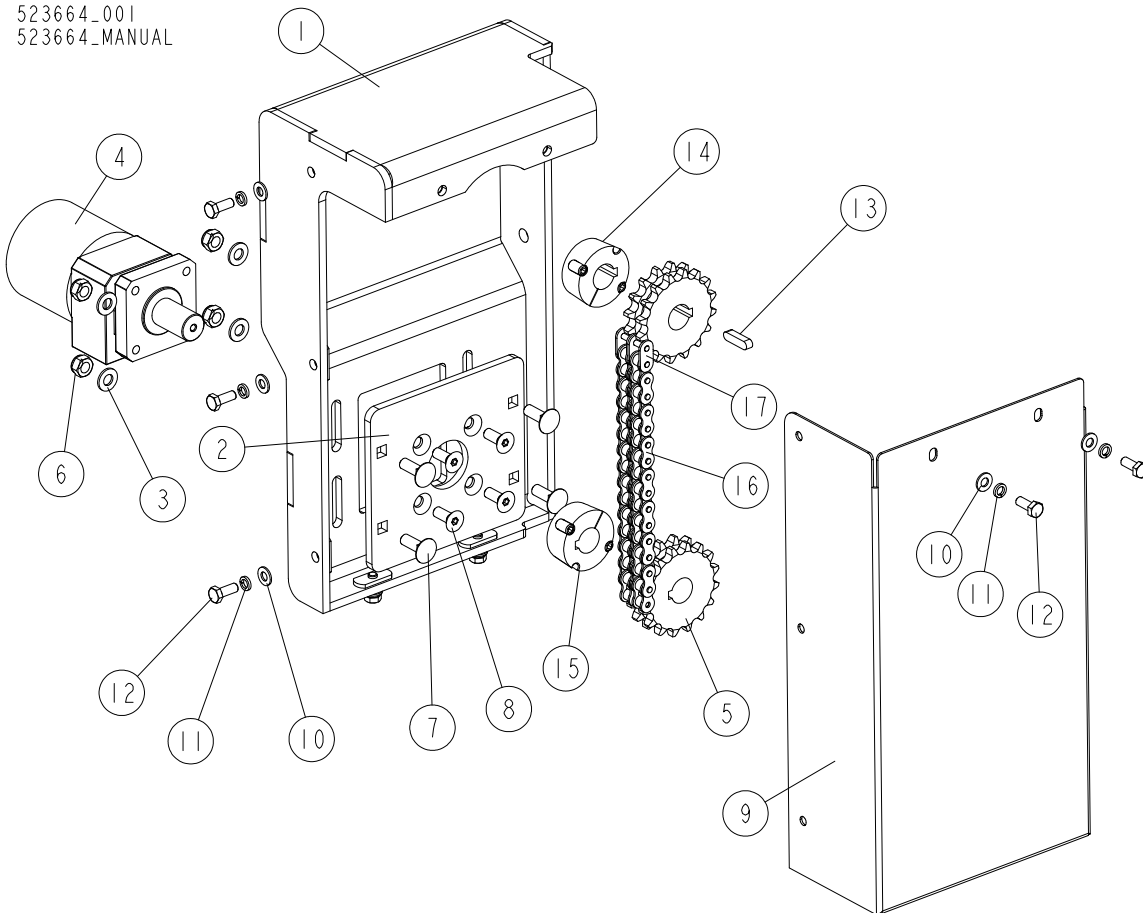
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	CONVEYOR, WM4000 BELT - COMPLETE	523660	1
1	Bracket Weldment, Pulley Mount - Left	511296-1	1
2	Drive Assembly, Belt Conveyor Hydraulic See Section 7.11	523664	1
3	Plate, Belt Tension Correction	511278-1	1
4	Bearing, UCFL 206 CX W/housing	090851	2
5	Pulley, Belt Conveyor See Section 7.12	512557	1
6	Roller, WM4000 Idle Side - Complete See Section 7.13	511286	1
7	Washer, 17 Split Lock Zinc	F81058-1	16
8	Belt, 2MOP3 LG3216x600	511290	1
9	Bolt, M16x290-8.8 -A2 Full Thread	F81006-27	2
10	Nut, M16-8 Hex Zinc	F81036-1	6
11	Block, Safety	511295	2
12	Bolt, M10x50-8.8 Hex Head Full Thread Zinc	F81003-4	1
13	Nut, M10 8 Hex Zinc	F81033-3	1

7

Bed Frame*WM4000 Belt Conveyor*

14	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	4	
15	Bolt, M16x50-8.8 Hex Head Full Thread Zinc	F81006-38	4	
16	Washer, 13 Flat Zinc	F81056-1	12	
17	Nut, M12 8 Hex Nylon Zinc Lock	F81034-2	6	
18	Bolt, M12x45 8.8 Hex Head Zinc	F81004-32	6	
19	Washer, 8.4 Flat Zinc	F81054-1	4	
20	Bolt, M8x30-8.8-B Hex Head Full Thread Zinc	F81002-2	4	
21	BLOCK, SAFETY	511295	2	
22	WASHER, 8.4 FLAT ZINC	F81054-1	4	
23	BOLT, M8X30-8.8-B HEX HEAD FULL THREAD ZINC	F81002-2	4	

7.11 Belt Conveyor Drive Assembly



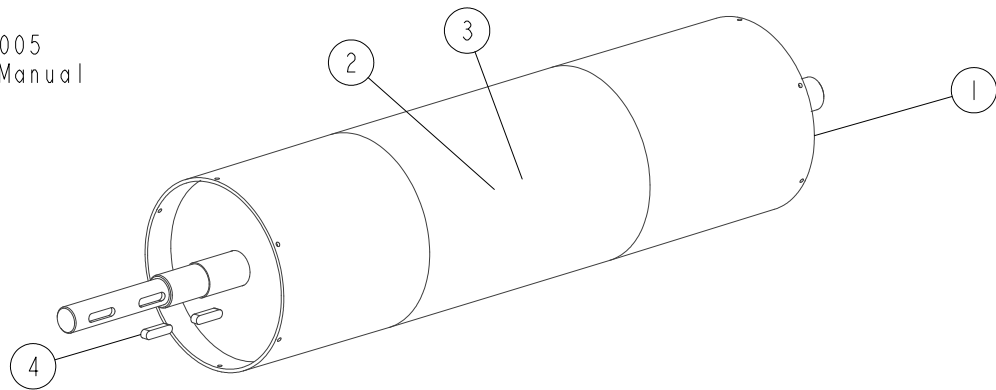
REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY
	DRIVE ASSEMBLY, BELT CONVEYOR HYDRAULIC	523664	1
1	Bracket, Belt Conveyor Drive Mount	523666-1	1
2	Plate, Hydraulic Motor Mount	523657-1	1
3	Washer, 10.5 Flat Zinc	F81055-1	4
4	Motor, MG10-13-10AAAB Hydraulic	P20206	1
5	Sprocket, 10B-2 Z16	523655	2
6	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	4
7	Bolt, Z M10x30-8.8 Carriage Zinc	F81003-101	4
8	Screw, 3/8-16x1 Zinc And Bake Fs	F05007-64	4
9	Guard, Belt Conveyor Drive	523665-1	1
10	Washer, 8.4 Flat Zinc	F81054-1	7
11	Washer, 8.2 Split Lock Zinc	F81054-4	7
12	Bolt, M8x20-8.8 Hex Head Full Thread Zinc	F81002-1	7
13	Key, A8x7x32 Parallel	088564	1

7**Bed Frame***Belt Conveyor Drive Assembly*

14	Bushing, 1610 24 MM Bore Split Taper	522124	1	
15	Bushing, 1610 1" Bore Split Taper	523656	1	
	Chain, 10b-2 Belt Conveyor - Complete	524230	1	
16	Chain, 10B-2, L=778 MM (49-link)	524229	1	
17	Link, 10B-2PZ Master	088673	1	

7.12 Belt Conveyor Pulley

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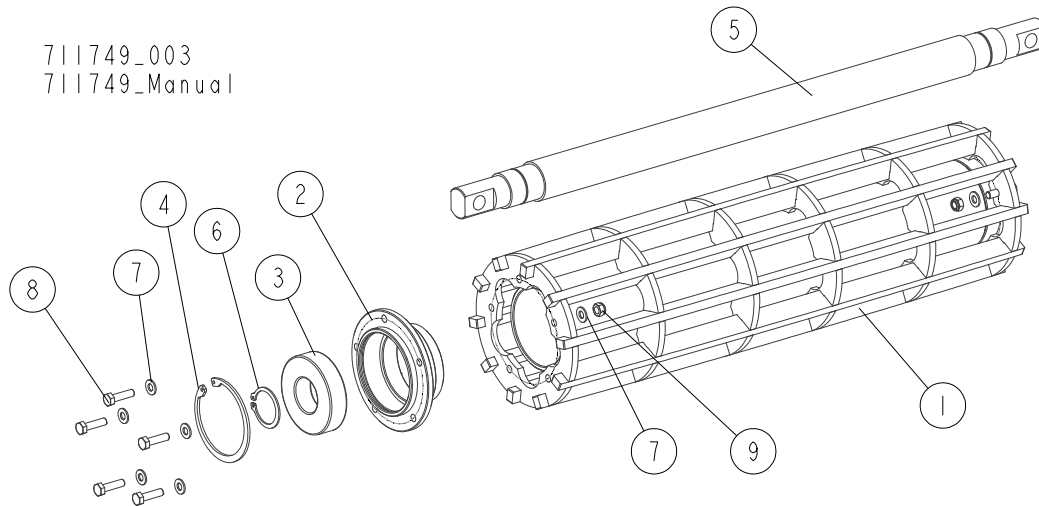


REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY	
	PULLEY ASSEMBLY, BELT CONVEYOR (1)	512557	1	
1	Pulley, Belt Conveyor (1)	511282-1	1	
2	Lagging, Pulley	R00100	1	
3	Adhesive, Texcol	090875	1	
4	KEY, A8X7X32 PARALLEL	088564	2	

7 Bed Frame

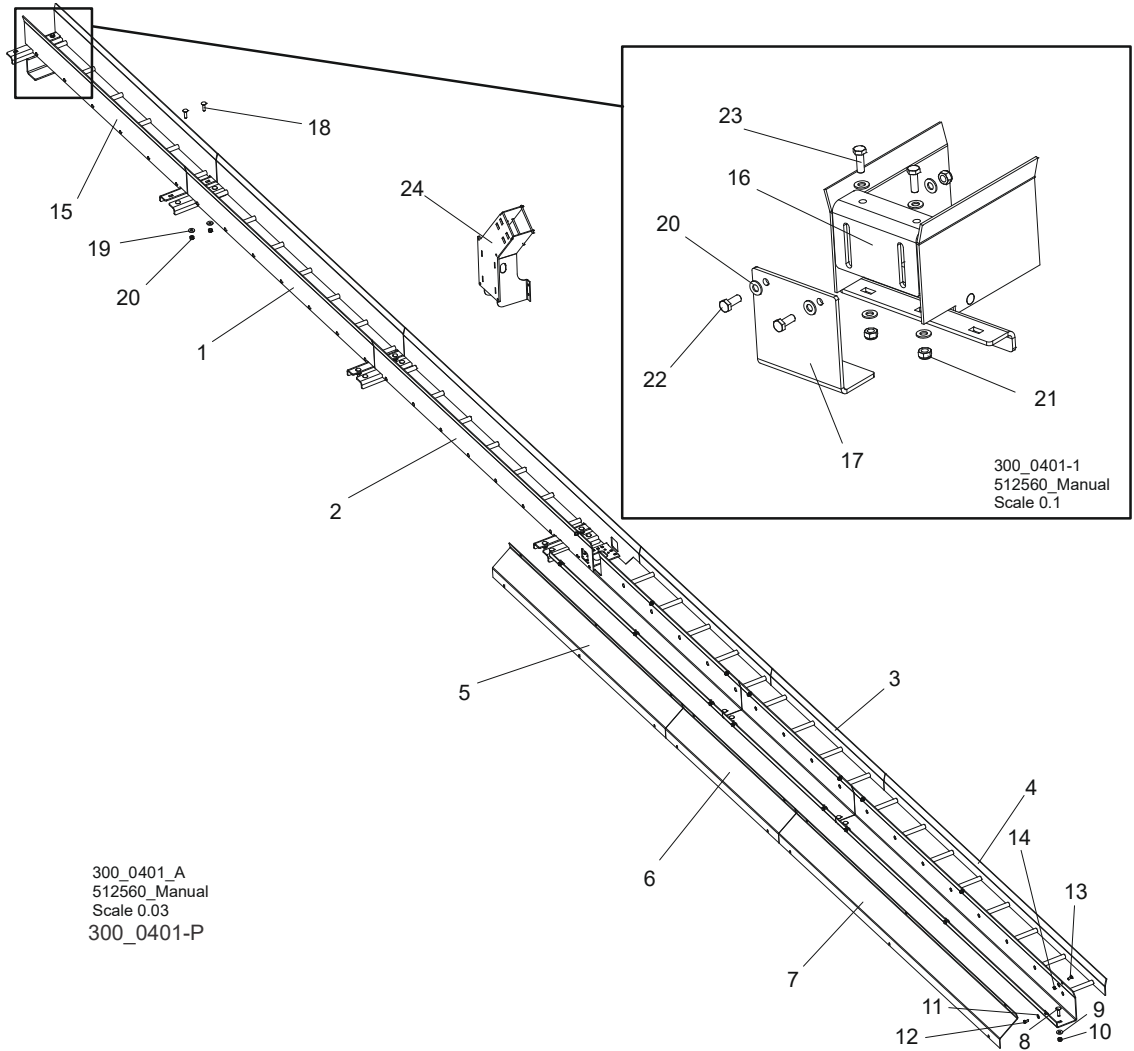
Idle-Side Roller

7.13 Idle-Side Roller



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	ROLLER, WM4000 IDLE SIDE - COMPLETE	511286	1
1	Roller, Belt Scraper	511285-1	1
	Hub, Roller Brearing - Complete	511305	2
2	Hub, Roller Bearing	511304-1	1
3	Bearing, 6308 2RS CX Ball	504268	1
4	Ring, W90 Inside Retaining	F81090-29	1
5	Shaft, Idle Side Roller	511283	1
6	Ring, Z40 Outside Retaining	F81090-33	2
7	Washer, 8.4 Flat Zinc	F81054-1	20
8	Bolt, M8x30-5.8-B Hex Head Full Thread Zinc	F81002-2	10
9	Nut, M8 8 Hex Nylon Zinc Lock	F81032-2	10

7.14 Wireway Kit (Option w/o Pantograph)



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Scale 0.03
300_0401-P

300_0401-1
512560_Manual
Scale 0.1

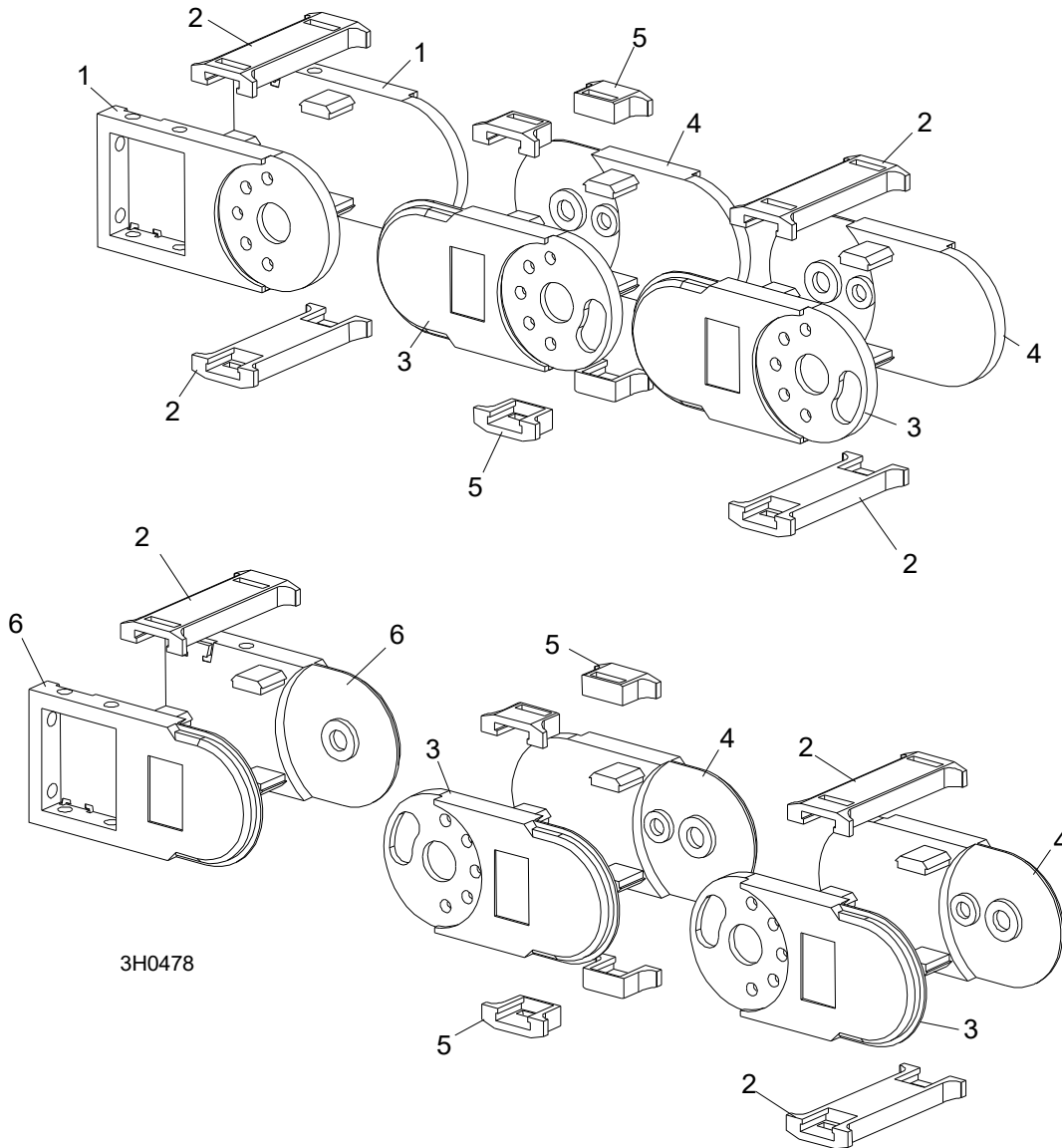
REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY
	WIREWAY KIT WM3500-HD WITH CE HOSE DUCT - COMPLETE	513926	1
	Wireway Kit, WM4000 - Complete	510515	1
	Wireway Kit, WM4000	510520	1
1	Wireway Weldment, WM4000	510518-1	1
2	Wireway Weldment, WM4000	510521-1	1
3	Wireway Weldment, WM4000	510542-1	1
4	Wireway Weldment, WM4000	510546-1	1
5	Cover, Wireway	510545-1	1
6	Cover, Wireway	510549-1	1
7	Cover, Wireway	510550-1	1
8	Bolt, M10x40 -8.8 Mushroom Head Square Neck Zinc	F81003-40	15

7

Bed Frame*Wireway Kit (Option w/o Pantograph)*

9	Washer, 10.5 Special Flat Zinc	F81055-6	15	
10	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	15	
11	Washer, 8.4 Flat Zinc	F81054-1	16	
12	Bolt, M8x16 -8.8-B Hex Head Full Thread Zinc	F81002-20	8	
13	Bolt, M8x20-8.8 Mushroom Head Square Neck Zinc	F81002-11	8	
14	Nut, M8-8-B Hex Zinc	F81032-1	8	
	Complete Rear Wireway	511276	1	
15	Wireway, WM4000 Rear	511274-1	1	
16	Bracket, LT70/300 Wireway Support Adjustment	099793-1	1	
17	support, Rear Wireway	510517-1	1	
18	Bolt, M10x40-8.8 Mushroom Head Square Neck Zinc	F81003-40	2	
19	Washer, 10.5 Special Flat Zinc	F81055-6	2	
20	Washer, 10.5 Flat Zinc	F81055-1	8	
21	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	6	
22	Bolt, M10x25-8.8 Hex Head Full Thread Zinc	F81003-11	2	
23	Bolt, M10x30-5.8 Hex Head Full Thread Zinc	F81003-2	2	
24	Bracket, Wireway	503061-1	1	

7.15 Cable Carrier (Option w/o Pantograph)

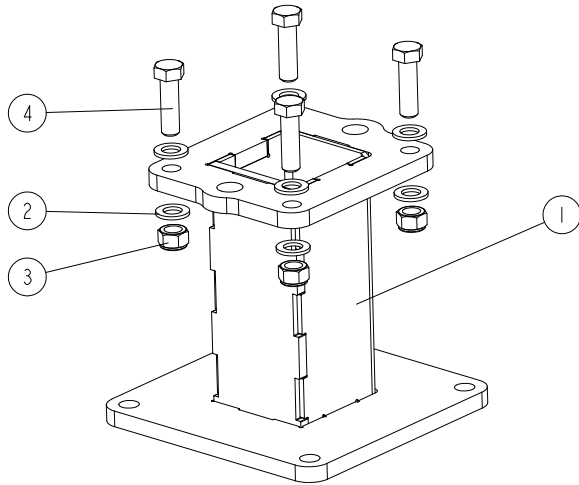


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REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	CARRIER, LT70/300 CABLE	094389	1
1	Link, Nylon Chain Top Mount (4040/4040B)	023612-3	2
2	Brace, Nylon Chain Long (4040/4040B)	023612-4	68
3	Link, Nylon Chain Right Side (4040AA)	036219	66
4	Link, Nylon Chain Left Side (4040AA)	036220	66
5	Brace, Nylon Chain Short (4040/4040B)	023612-5	136
6	Link, Nylon Chain Bottom Mount (4040/4040B)	023612-9	2

7.16 Bed Frame Leg Base

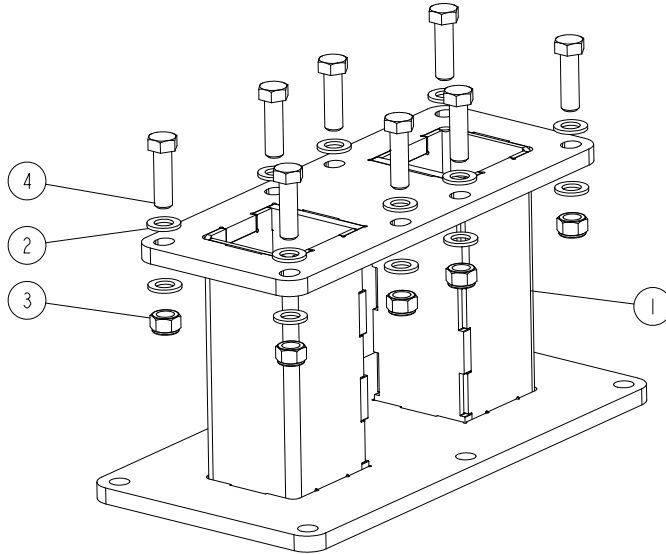
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REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY	
	BASE, WM4000 BED FRAME LEG - COMPLETE	527370	1	
1	Base, WM4000 Bed Frame Leg	527367-1	1	
2	Washer, 17 Split Lock Zinc	F81058-1	8	
3	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	4	
4	Bolt, M16x55-8.8 Hex Head	F81006-61	4	

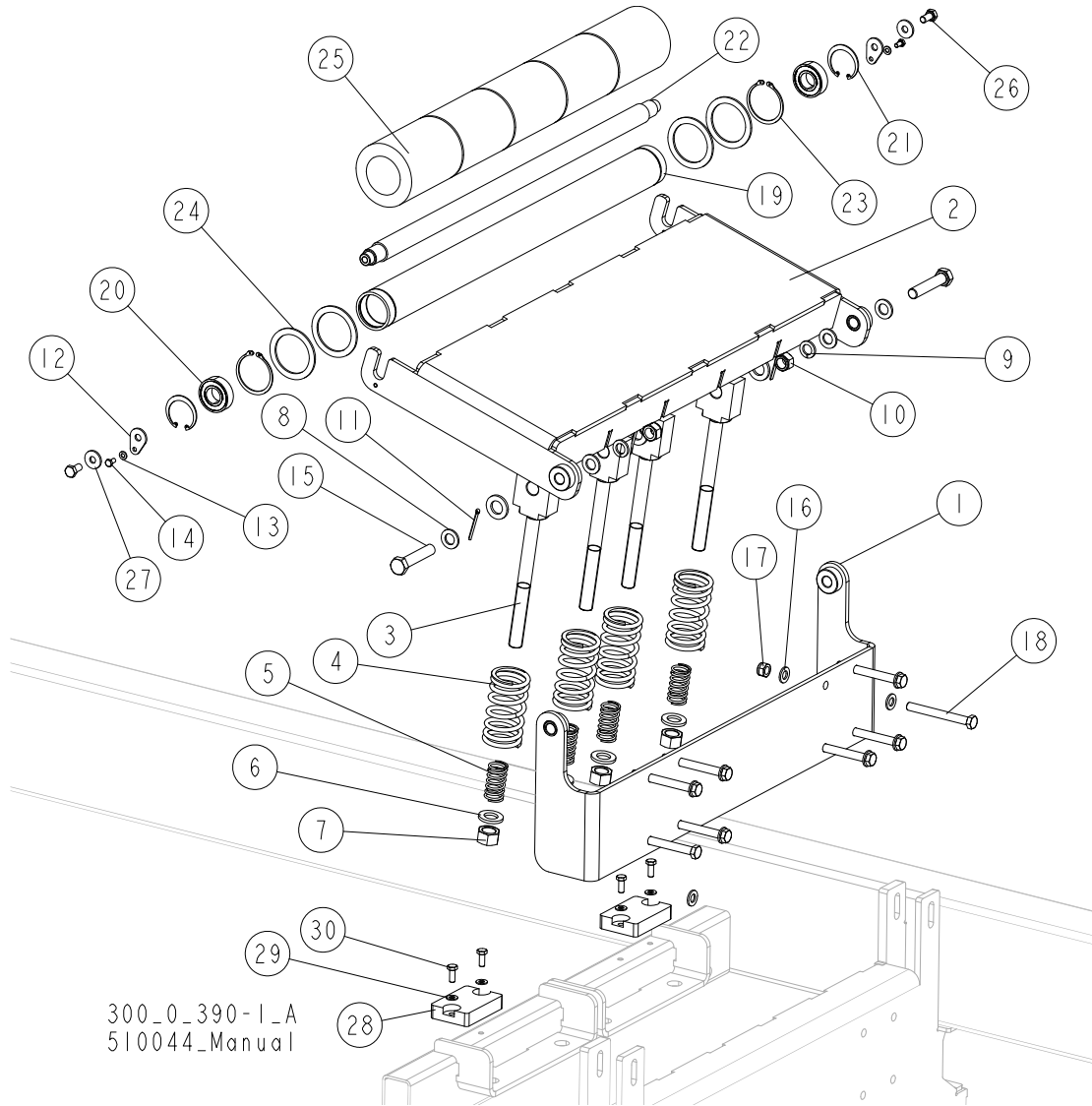
7.17 Bed Frame & Log Turner Leg Base

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REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY	
	BASE, WM4000 BED FRAME LEG - COMPLETE WIDE	527360	1	
1	Base, WM4000 Bed Frame Leg - Wide	527361-1	1	
2	Washer, 17 Split Lock Zinc	F81058-1	16	
3	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	8	
4	Bolt, M16x50-8.8 Hex Head Full Thread Zinc	F81006-61	8	

7.18 Board Removal Bumper Assembly

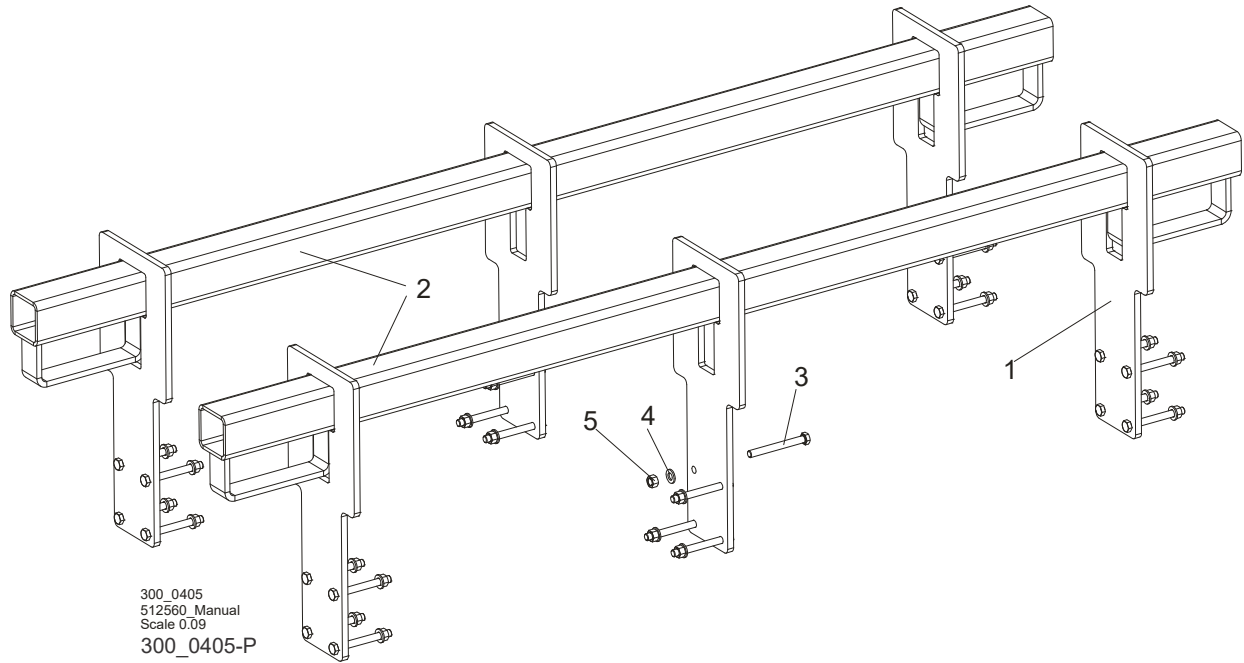


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510044_Manual

REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY
	BUMPER ASSEMBLY, WM4000 BOARD REMOVAL	509545	1
1	Bracket Weldment, Bumper Plate Mount	510876-1	1
2	Plate Weldment, Board Removal Bumper	509547-1	1
3	Rod Weldment, Bumper Spring	510818-1	4
4	Spring, 110x46x6.5 Cushion	510815	4
5	Spring, 60x23x3 Zinc-plated	088992	4
6	Washer, 21 Flat Zinc	F81059-2	8
7	Nut, M20-8 Hex Zinc	F81037-1	4
8	Washer, 17 Split Lock Zinc	F81058-1	4
9	Washer, 16.3 Split Lock Zinc	F81058-2	2

10	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	2	
11	Pin, S-ZN-4x45 Cotter	F81043-22	4	
12	Washer, WM4000 Roller Mounting	510874-1	2	
13	Washer, 6.4 Flat Zinc	F81053-1	2	
14	Bolt, M6x12 8.8 Hex Head Full Thread Zinc	F81001-7	2	
15	Bolt, M16x80-8.8 Hex Head Full Thread Zinc	F81006-11	2	
16	Washer, 13 Flat Zinc	F81056-1	16	
17	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	8	
18	Bolt, M12x110-8.8-B Hex Head Zinc	F81004-47	8	
	Roller W/rubber Bushing	514758	1	
	Roller, LT300	091782-1	1	
19	Tube, Roller	091781	1	
20	Bearing, 6205 2rs Ball	091804	2	
21	Ring, W52 Inside Retaining	F81090-6	2	
22	Shaft, Roller	091793	1	
23	Ring, Z60 Outside Retaining	F81090-62	2	
24	Ring, 61/80x3 Spacer	515895	4	
25	Roller, Rubber	517493	1	
26	Bolt, M10x20-5.8 Hex Head Full Thread Zinc	F81003-1	2	
27	Washer, 10.5 Special Flat Zinc	F81055-6	2	
28	BLOCK, 95x65x20 RUBBER BUMPER	094969	2	
29	WASHER, 8.4 FLAT ZINC	F81054-1	4	
30	BOLT, M8x20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	4	

7.19 Transport Bracket

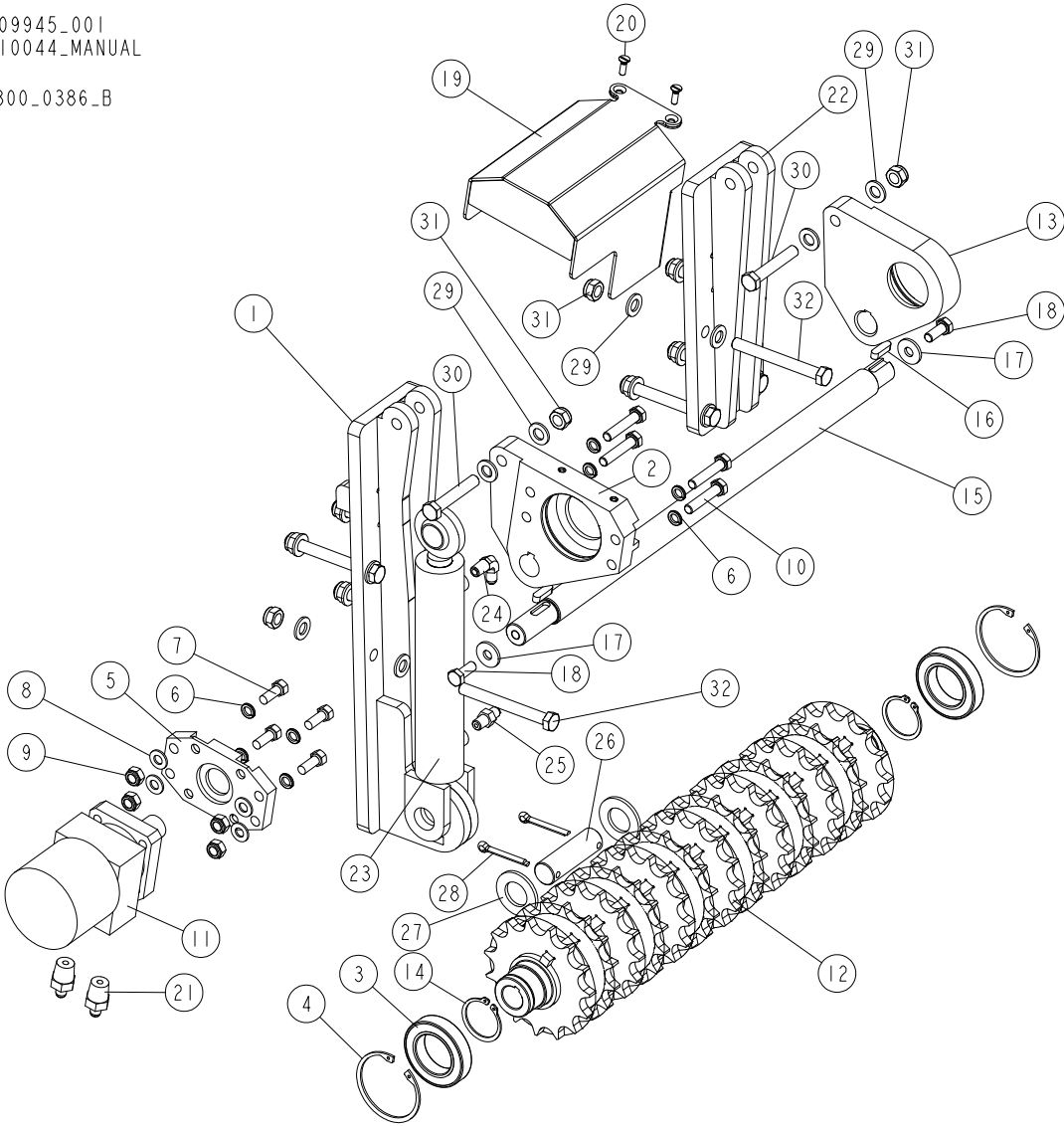


REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	BRACKET, WM4000 TRANSPORT - COMPLETE	510880	1
1	Plate, WM4000 Transport Bracket	510877-1	6
2	Tube Weldment, Transport Bracket	510879-1	6
3	Bolt, M12x110-8.8-B Hex Head Zinc	F81004-47	24
4	Washer, 13 Flat Zinc	F81056-1	24
5	Nut, M12-8-B Hex Zinc	F81034-1	24

SECTION 8 HYDRAULICS

8.1 Power Roller, Right & Left

509945_001
510044_MANUAL
300_0386_B



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	ROLLER, WM4000 RIGHT POWER - COMPLETE	509945	1
	ROLLER, WM4000 LEFT POWER - COMPLETE	514420	1
1	Mount Weldment, Power Roller Right	516773-1 ¹	1
	Mount Weldment, Power Roller Left	516777-1 ²	1

8

Hydraulics*Power Roller, Right & Left*

	Shaft, Power Roller W/Drive - Complete Right	510012 ¹	1	
	Shaft, Power Roller W/drive - Complete Left	514421 ²	1	
2	Plate, Power Roller Mounting Right	096029-1 ³	1	
	Plate, Power Roller Mounting Left	507684-1 ⁴	1	
3	Bearing, 6009.2rsr (Fag)	096025	2	
4	Ring, W 75 Inside Retaining	F81090-41	2	
5	Plate, Hydraulic Motor Mount	096030-1	1	
6	Washer, Z 10.2 Split Lock Zinc	F81055-2	8	
7	Bolt, 3/8-16x1 HH	F05007-7	4	
8	Washer, 10.5 Flat Zinc	F81055-1	4	
9	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	4	
10	Bolt, M10x50-8.8 Hex Head Full Thread Zinc	F81003-4	4	
11	Motor, Mg06-13-13aaab Hydraulic	P21506	1	
12	Shaft, Power Roller - Complete	509944-1	1	
13	Plate, Power Roller Mounting Right	096031-1 ³	1	
	Plate, Power Roller Mounting Left	507687-1 ⁴	1	
14	Ring, Z 45 Outside Retaining	F81090-32	2	
15	Rod, Connecting	510011-1	1	
16	Key, A8x7x28 Parallel	096035	2	
17	Washer, 10.5 Special Flat Zinc	F81055-6	2	
18	Bolt, M10x25 8.8 Hex Head Full Thread	F81003-31	2	
19	Plate, Power Roller Mounting Right	096037-1 ³	1	
	Plate, Power Roller Mounting Left	507690-1 ⁴	1	
20	Screw, M6x20- 4.8-b Slotted Countersunk Head Zinc	F81001-31	2	
21	Fitting, Z-7/16 JIC / Z-1/2" NPT Straight	096919	2	
22	Bracket Weldment, Power Roller Mount	516771-1	1	
	Cylinder, Hydraulic	085937	1	
23	Cylinder, CJ-S170-16-40/25/152 Hydraulic	088681	1	
24	Fitting, 1/4NPTX1/4JIC Male Elbow	P09142	1	
25	Fitting, 1/4NPTX1/4JIC Male	P09143	1	
26	Pin, Hydraulic Cylinder Zinc-plated	086979-1	1	
27	Washer, 28 Flat Zinc	F81061-1	2	
28	Pin, S-ZN-6.3x45 Cotter	F81045-2	2	
29	Washer, 13 Flat Zinc	F81056-1	20	
30	Bolt, M12x70-8.8 Hex Head Zinc	F81004-39	2	
31	Nut, M12 8 Hex Nylon Zinc Lock	F81034-2	10	
32	Bolt, M12x110-8.8-b Hex Head Zinc	F81004-47	8	

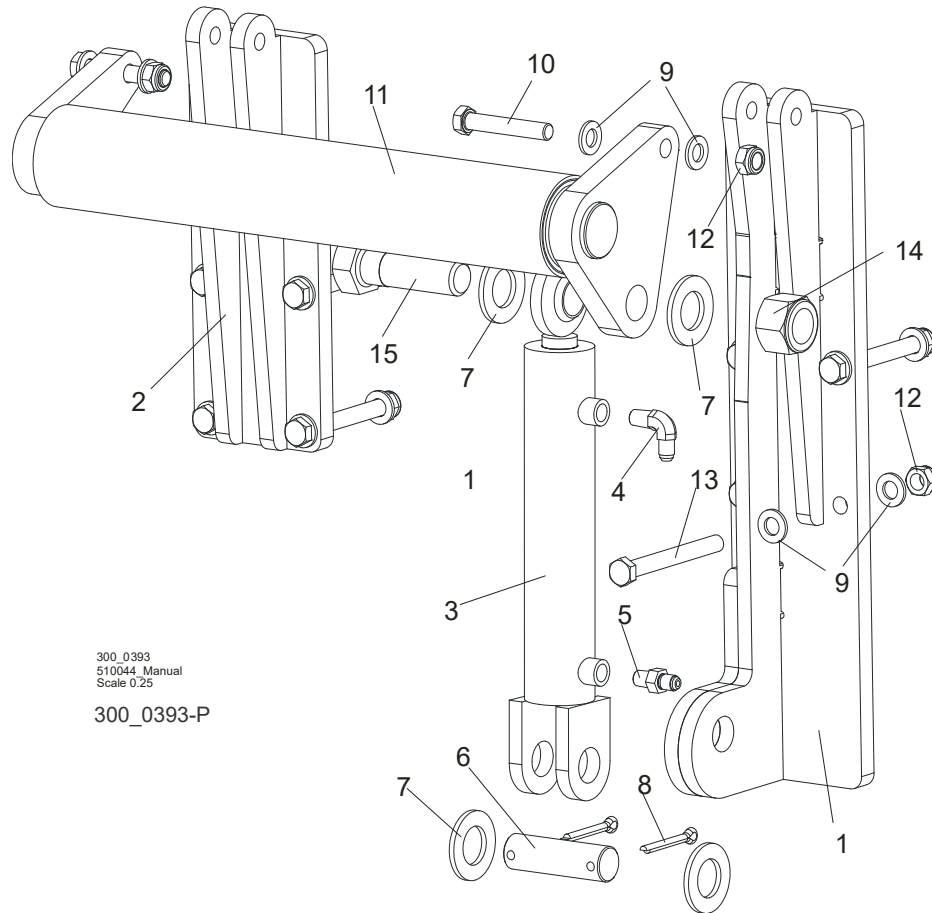
¹ Included in assembly No. 509945.

² Included in assembly No. 514420.

³ Included in assembly No. 510012.

⁴ Included in assembly No. 514421.

8.2 Hydraulic Toe Board, WM4000



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	WM4000 HYDRAULIC TOE BOARD	510250	1
1	Mount Weldment, Power Roller (On Motor Side)	509935-1	1
	Mount Weldment, Toe Roller	513930-1 ¹	1
2	Mount Weldment, Power Roller	509938-1	1
	Mount Weldment, roller	513928-1 ¹	1
	Hydraulic Cylinder	085937	1
3	Cylinder, CJ-S170-16-40/25/152 Hydraulic	088681	1
4	Fitting, 1/4NPTX1/4JIC Male Elbow	P09142	1
5	Fitting, 1/4NPTX1/4JIC Male	P09143	1
6	Pin, Hydraulic Cylinder Zinc-plated	086979-1	1
7	Washer, 28 Flat Zinc	F81061-1	4
8	Pin, S-ZN 6.3x45 Cotter	F81045-2	2
9	Washer, 13 Flat Zinc	F81056-1	20

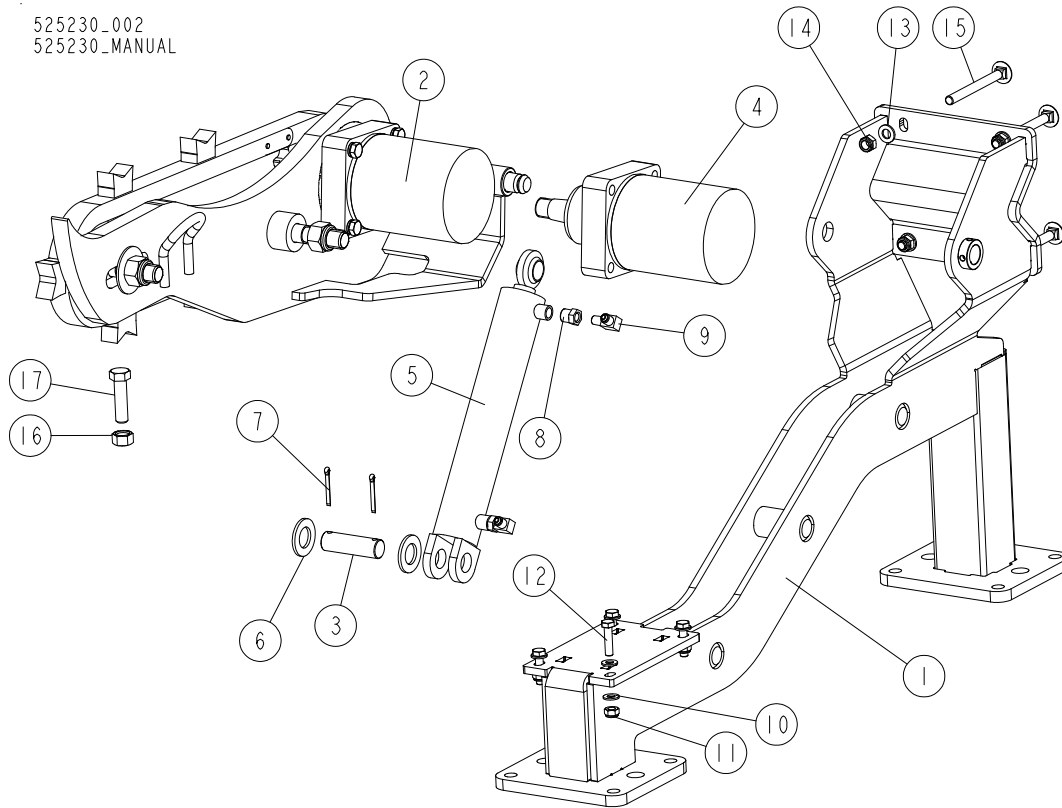
8**Hydraulics***Hydraulic Toe Board, WM4000*

10	Bolt, M12x70 8.8 Hex Head Zinc	F81004-39	2	
11	Roller Weldment, Toe Board	086253-1	1	
12	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	10	
13	Bolt, M12x110-8.8-b Hex Head Zinc	F81004-47	8	
14	Nut, 1-8 Self Lock	F05010-109	1	
15	Bolt, 1-8x3 1/4 Hex Head Grade 5	F05009-51	1	

¹ Optional equipment - in case when hydraulic toe board is mounted on middle beds.

8.3 Chain Log Turner

525230_002
525230_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	TURNER, WM4000 CHAIN LOG - COMPLETE	525586	1
1	Mount Weldment, Chain Log Turner	525590-1	1
	Screw, Set .8C10KSNH/914	061411	2
2	Turner, Chain Log - Complete See Section 8.4	508964-1	1
3	Pin, Hydraulic Cylinder Zinc-plated	086979-1	1
4	Motor, TG0475US080AABP Hydraulic Kit, Seal Rebuild	007331 061427	1 1
5	Cylinder, 2x10 Rod End Welded 2.25RE ¹	128113	1
6	Washer, 28 Flat Zinc	F81061-1	2
7	Pin, S-FE 5x40 Cotter	F81043-31	2
8	Fitting, 3/8NPT-1/4NPT Reducer	015490	2
9	Fitting, 3/8jic-1/4npt 90I	015491	2
10	Washer, 10.5 Flat Zinc	F81055-1	8
11	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	4
12	Bolt, M10x40-8.8 Hex Head Full Thread Zinc	F81003-16	4
13	Washer, 13 Flat Zinc	F81056-1	4
14	Nut, M12 8 Hex Nylon Zinc Lock	F81034-2	4
15	Bolt, M12x130 8.8 Carriage Zinc	F81004-26	4
16	NUT, M16-8 HEX ZINC	F81036-1	1

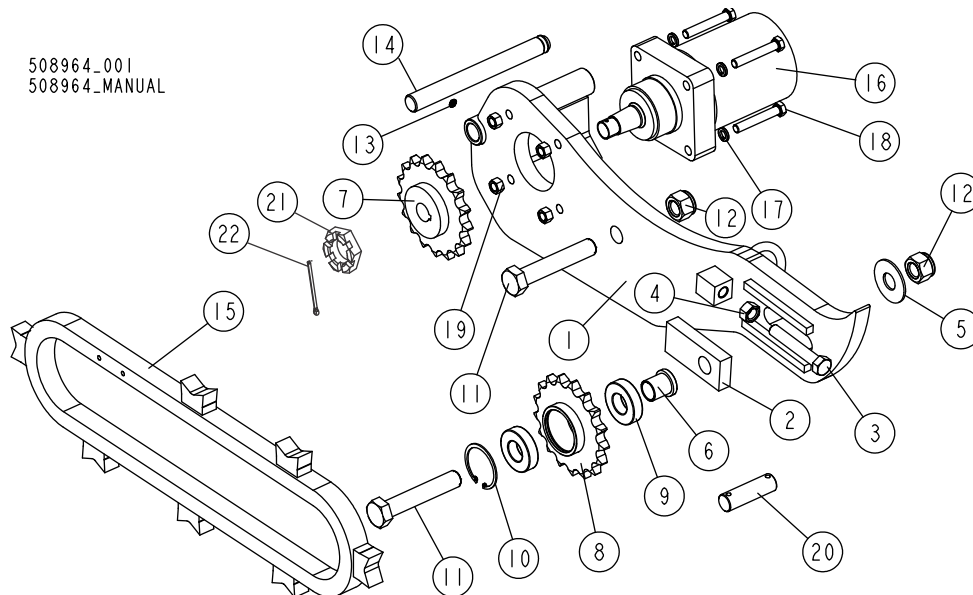
8 Hydraulics

Chain Log Turner

17	BOLT, M16X60-8.8 HEX HEAD FULL THREAD ZINC	F81006-12	1	
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¹ 128113 Cylinder, 2x10 Rod End Welded 2.25RE replaced 034267 as of revision A3.01, ECN #37231.

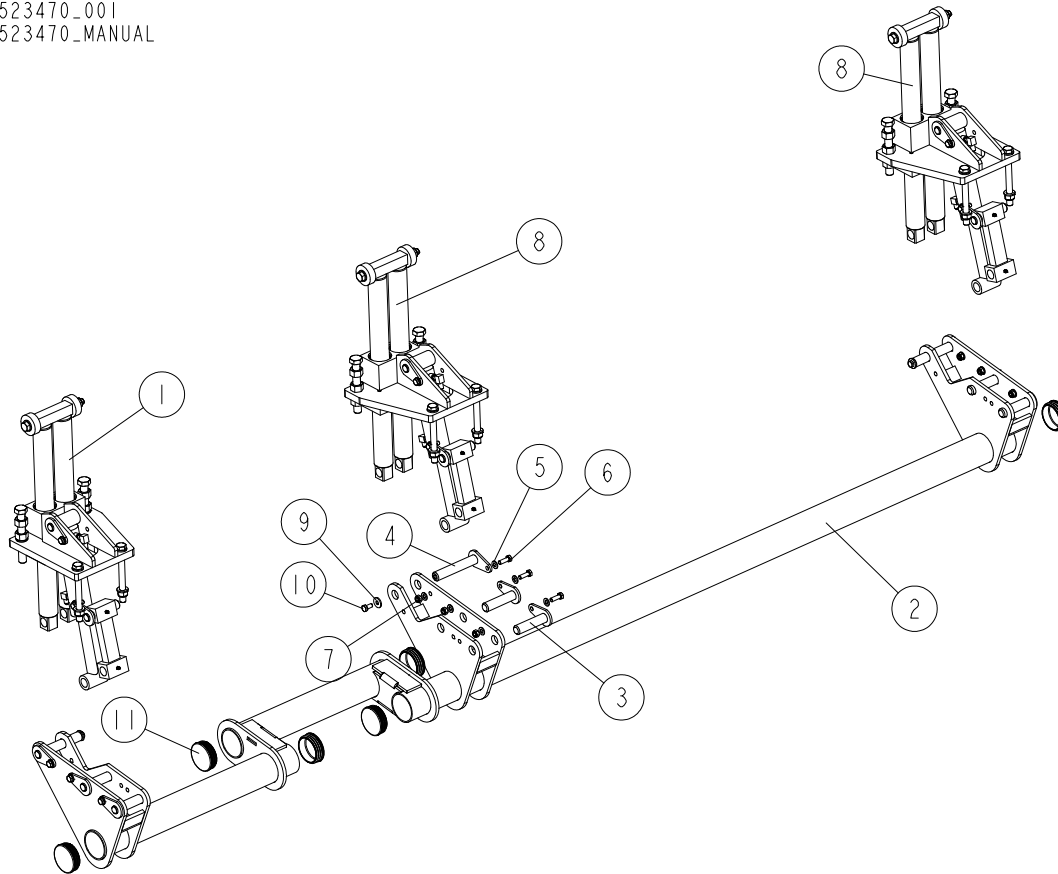
8.4 Chain Log Turner



REF.	DESCRIPTION (◆ Indicates Parts Available in Assemblies Only)	PART NO.	QTY
	TURNER, CHAIN LOG - COMPLETE	508964	1
1	Mount Weldment, Chain Log Turner	508950-1	1
2	Plate, Chain Tension	095664-1	1
3	Bolt, M16x100-8.8 Hex Head Full Thread Zinc	F81006-2	1
4	Nut, M16-8 Hex Zinc	F81036-1	1
5	Washer, 25x63 Zinc-plated	088585-1	1
6	Bushing, Log Turner	095663-1	1
7	Sprocket, Log Turner	092339	1
	Sprocket Assembly	092399	1
8	Sprocket W/hub	093290	1
9	Bearing, 6206 25 In Idler	093292	2
10	Ring, 62W Inside Retaining	F81090-1	1
11	Bolt, M24x130 Hex Head	F81009-4	2
12	Nut, M24 PN-EN ISO 7040 Hex Nylon	F81039-8	2
13	Fitting, M6 Type A Grease	086280	1
14	Pin, Log Turner Zinc-plated	508965-1	1
15	Chain, Log Turner - Complete	508966-1	1
	Link, Master for WM4500 Log Turner Chain	508969	1
16	Motor, Tg0475us080aabp Hydraulic	007331	1
17	Washer, Z12.2 Split Lock Zinc	F81056-2	4
18	Bolt, M12x75-8.8 Hex Head Zinc	F81004-21	4
19	Nut, M12-8-B Hex Zinc	F81034-1	4
20	Pin, Hydraulic Cylinder Zinc-plated	086979-1	1
21	Nut, Hydraulic Motor Castle	018741-2	1
22	Pin, 1/8" x 1 3/4" Cotter	F05012-43	1
	Kit, Seal Rebuild	061427	1

8.5 Hydraulic Log Side Supports

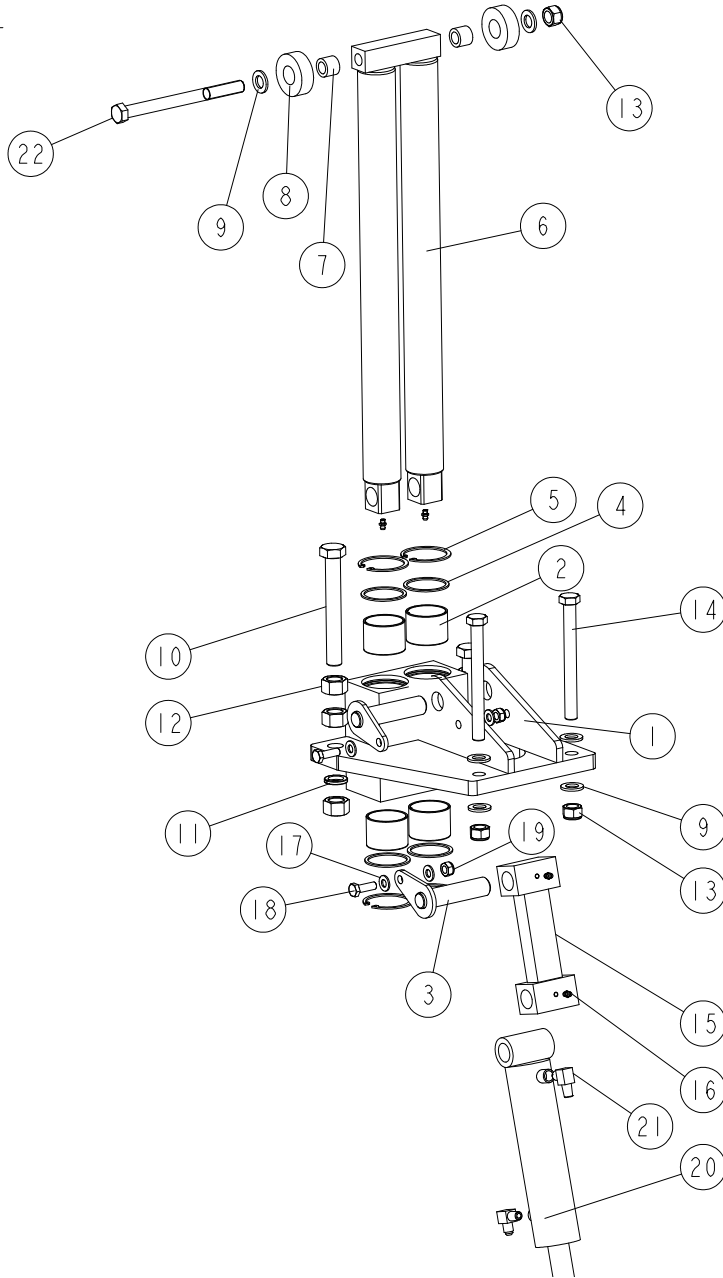
523470_001
523470_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY
	SIDE SUPPORTS FOR WM4000	523470	1
1	Support, WM3000/3500 Vertical Side See Section 8.6	508952	1
2	Mount Weldment, Vertical Side Support	523469-1	1
3	Pin Weldment, Vertical Side Support Zinc-plated	091197-1	6
4	Pin Weldment, Zinc-plated	508624-1	3
5	Washer, 10.5 Flat Zinc	F81055-1	18
6	Bolt, M10x30-8.8 Hex Head Full Thread Zinc	F81003-2	9
7	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	9
8	Support, WM3000/3500 Vertical Side See Section 8.6	508630	2
9	Washer, 10.5 Special Flat Zinc	F81055-6	3
10	Bolt, M10x20-8.8 Hex Head Full Thread Zinc	F81003-1	3
11	Cap, 80 Mm Tube End	528045	6

8.6 Hydraulic Log Side Support

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508630_MANUAL



REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NO.	QTY	
	SUPPORT, WM3000/3500 VERTICAL LOG SIDE	508630	1	
	SUPPORT, WM3000/3500 VERTICAL LOG SIDE	508952	1	
1	Block Weldment, WM3000/3500 Rod Guide	508622-1 ¹	1	
	Block Weldment, WM3000/3500 Rod Guide	508953-1 ²	1	
2	Bushing, 5040bs Self-lubricating	088660	4	

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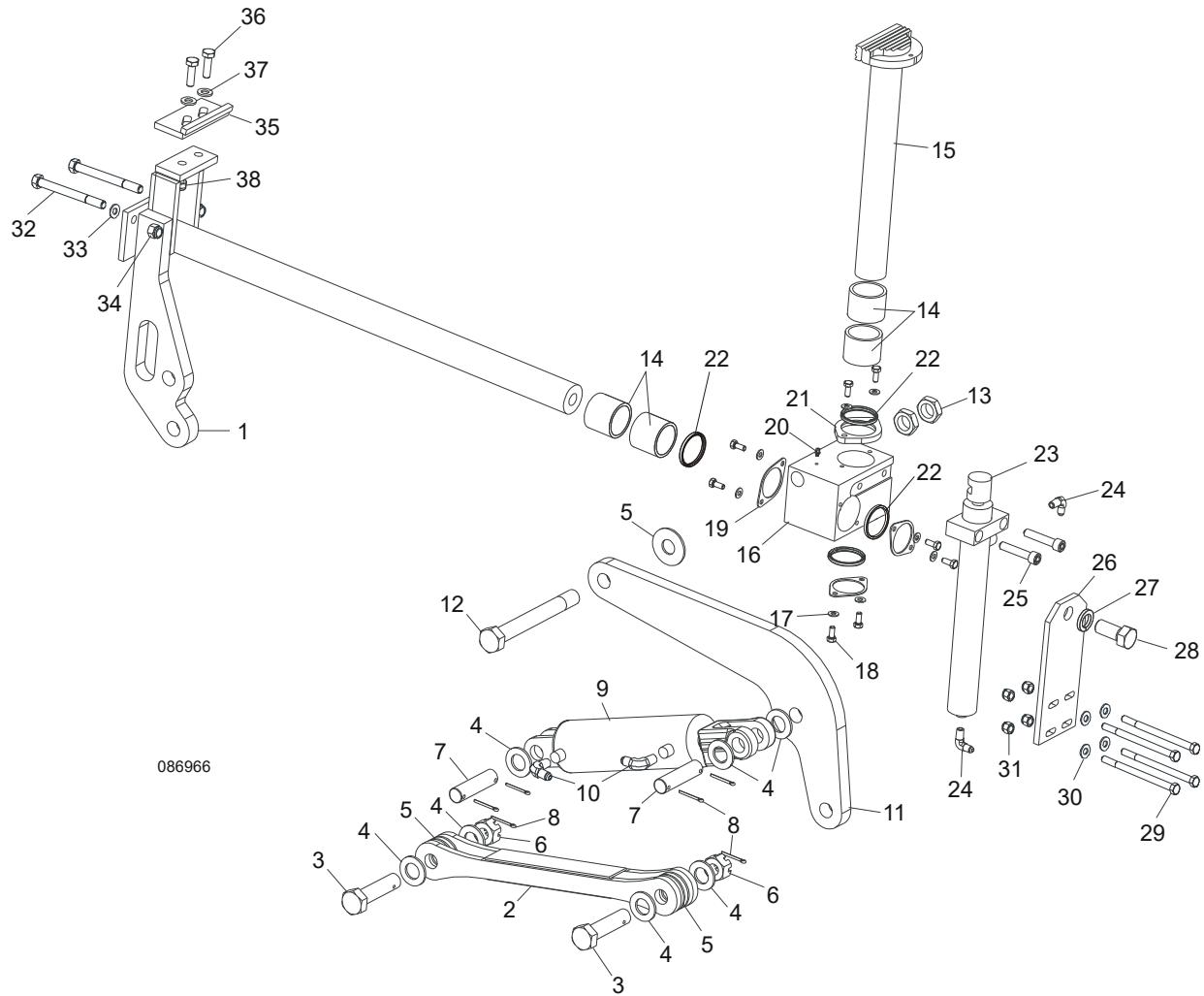
Hydraulics*Hydraulic Log Side Support*

3	Pin Weldment, Vertical Side Support Zinc-plated	091197-1	2	
4	Ring, LT70/300 Vertical Side Support Zinc-plated	094004-1	4	
5	Ring, 62w Inside Retaining	F81090-1	4	
6	Rod Weldment, WM3000/3500 Chromium Plated	508623-1	1	
7	Bushing, 16/25-20	094012	2	
8	Roller, LT70/300 Vertical Side Support Zinc-plated	094013-1	2	
9	Washer, 17 Split Lock Zinc	F81058-1	6	
10	Bolt, Iso 4017 M20x150 8.8 Hex Head Zinc	F81007-3	2	
11	Washer, 20.5 Split Lock Zinc	F81059-1	2	
12	Nut, M20-8 Hex Zinc	F81037-1	6	
13	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	3	
14	Bolt, M16x160 Hex Head Zinc	F81006-20	2	
15	Arm, LT300/LT70 Vertical Side Support	094016-1	1	
16	Fitting, M6 Type A Grease	086280	4	
17	Washer, 10.5 Flat Zinc	F81055-1	4	
18	Bolt, M10x30-8.8 Hex Head Full Thread Zinc	F81003-2	2	
19	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	2	
20	Cylinder, 28/150 1/4 Npt Port Hydraulic	094002	1	
21	Fitting, 3/8JIC-1/4NPT 90l	015491	2	
22	Bolt, ISO4014 M16x195-8.8-a2e Hex Head	F81006-44	1	

¹ Included in 508630

² Included in 508952

8.7 Two-Plane Hydraulic Log Clamp (Middle)



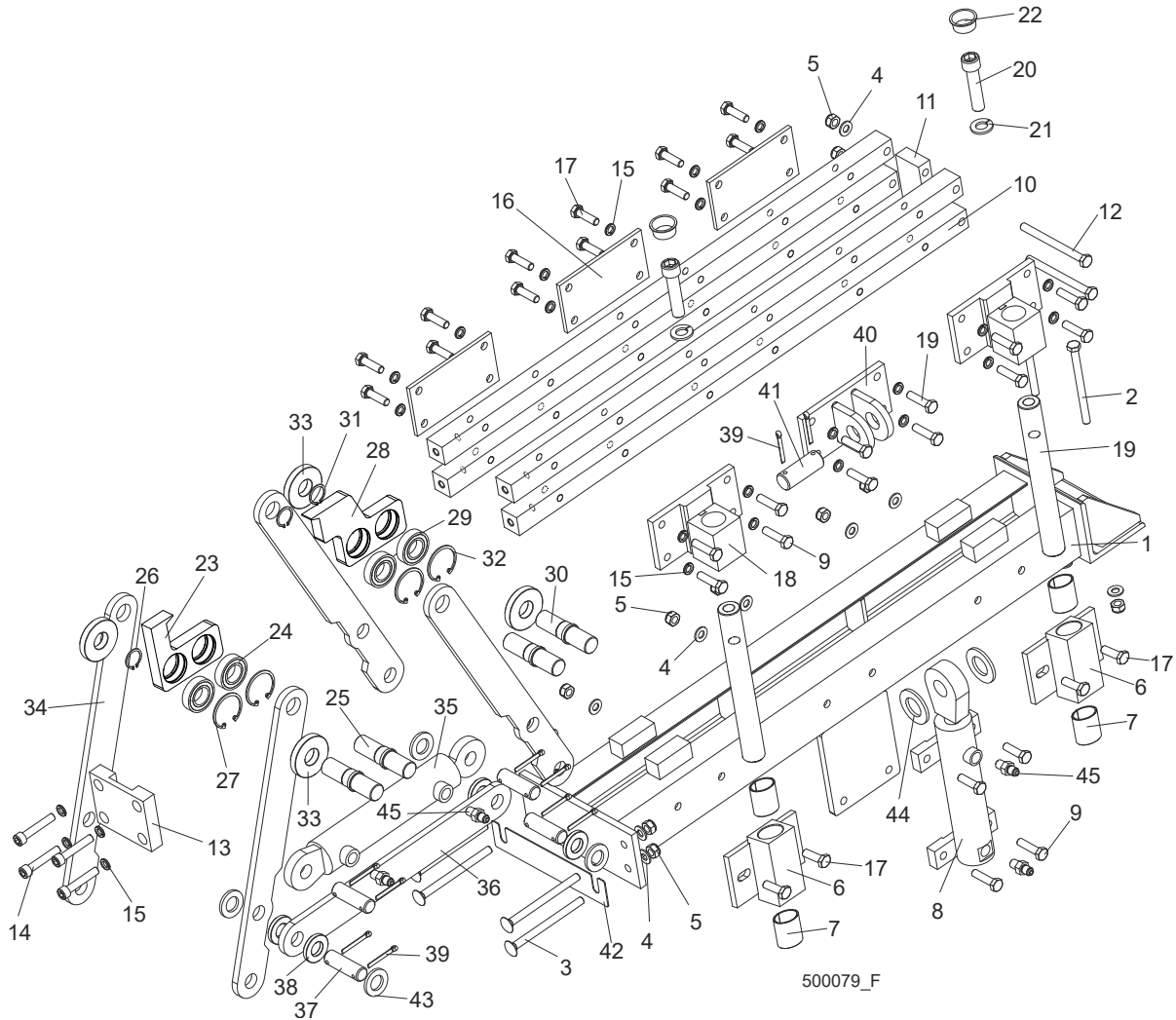
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	CLAMP ASSEMBLY, HYDRAULIC TWO-PLANE LOG	088658	1
1	Rod Weldment, Log Clamp Slide	086967-1	1
2	Arm Weldment, Hydraulic Clamp Link	086963-1	1
3	Pin, B 24x95/85 Clevis Zinc	F81049-2	1
4	Washer, 25 Flat Zinc	F81061-3	8
5	Washer, 25x63 Zinc-plated	088585-1	5
6	Nut, M20-8-3 Hex Slotted Castle Zinc	F81037-3	2
7	Pin, Hydraulic Cylinder Zinc-Plated	086979-1	2
8	Pin, S-Zn 6.3x45 Cotter	F81045-2	6
9	Cylinder, CJ-S96-16-70/32/178 Hydraulic	088589	1

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Hydraulics*Two-Plane Hydraulic Log Clamp (Middle)*

10	Fitting, 3/8JIC-1/4NPT 90L	015491	2	
11	Arm, Hydraulic Log Clamp Link	086974-1	1	
12	Bolt, M24x217/39 -8.8-B Hex Head Zinc	088586-1	1	
13	Nut, M24-04-B Hex Thin Zinc	F81039-3	2	
14	Bushing, 5040BS Self-Lubricating	088660	2	
15	Rod Weldment, Log Clamp Vertical	088582-1	1	
16	Block, Log Clamp Steel	088591-1	1	
17	Washer, 8.4 Flat Zinc	F81054-1	8	
18	Bolt, M8x20-8.8-B Hex Head Full Thread Zinc	F81002-4	8	
19	Flange, Clamp Rod Wiper	088887-1	3	
20	Fitting, 3/16x3/16 Straight Grease	P04107	1	
21	Flange, Clamp Rod Wiper	088887-1	1	
22	Wiper, ZZ 50x60x7 INCO Log Clamp Rod	088587	1	
23	Cylinder, CJ-S169-16-40/22/254 Hydraulic	088590	1	
24	Fitting, 1/4NPTx1/4JIC Male Elbow	P09142	2	
25	Screw, M12x55-8.8-B Hex Socket Head Cap Zinc	F81004-23	2	
26	Plate, Log Clamp Mount	086975-1	1	
27	Washer, Z22.5 Split Lock Zinc	F81059-4	1	
28	Bolt, M22x1.5x40-8.8-B Hex Head Full Thread Zinc	F81009-1	1	
29	Bolt, M10x125-8.8 Hex Head Zinc	F81003-18	4	
30	Washer, 10.5 Flat Zinc	F81055-1	4	
31	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	4	
32	Bolt, M12x140 8.8 Hex Head Zinc	F81004-37	2	
33	Washer, 13 Flat Zinc	F81056-1	2	
34	Nut, M12-8-B Hex Zinc	F81034-1	2	
	STOP KIT, CLAMP	K09485	1	
35	Stop Weldment, Hydraulic Log Clamp	086980-1	1	
36	Bolt, M12x40-8.8 Hex Head Full Thread Zinc	F81004-4	2	
37	Washer, 13 Flat Zinc	F81056-1	2	
38	Nut, M12-8 Hex Nylon Zinc Lock	F81034-2	2	

8.8 Hydraulic Log Clamp (Optional)



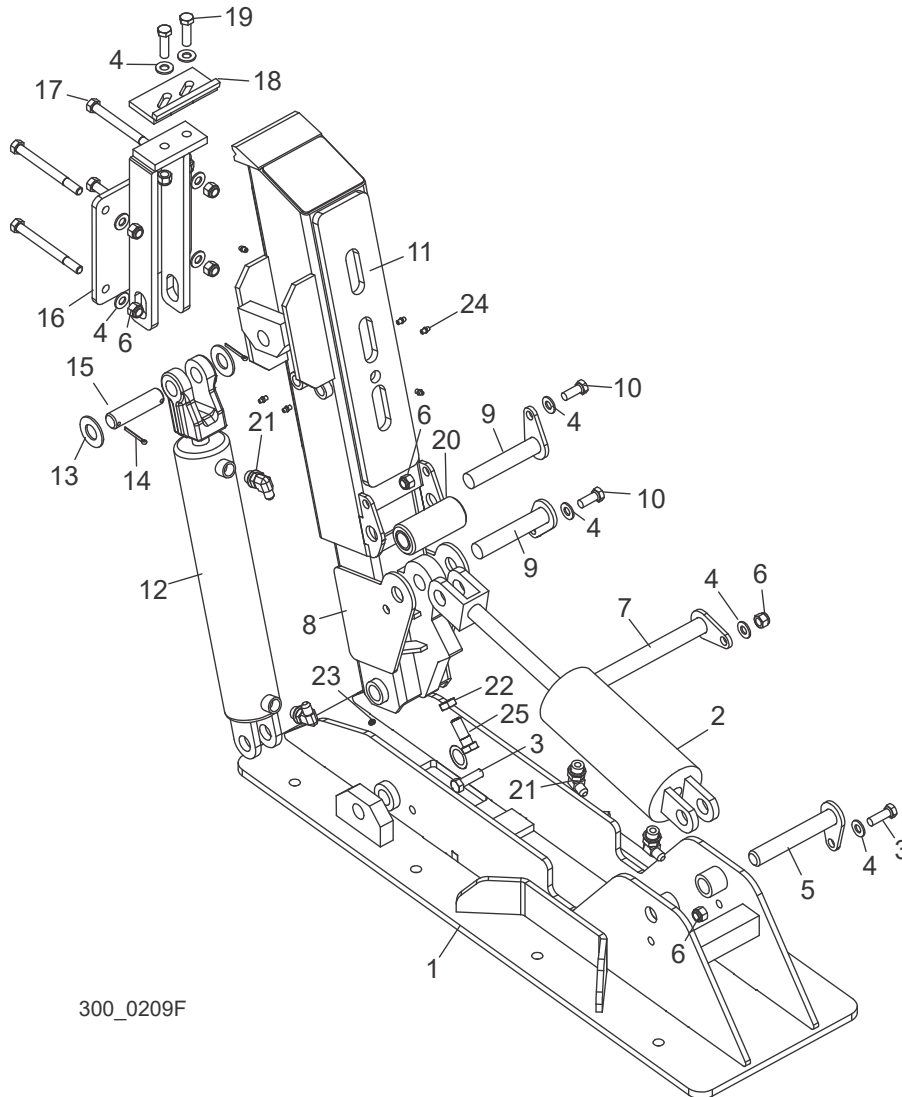
REF.	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY
	CLAMP ASSEMBLY, HYDRAULIC (OPTIONAL/POLAND)	089545	2
1	Mount Weldment, Hydraulic Log Clamp	088654-1	1
2	Bolt, M10x125-8.8 Hex Head Zinc	F81003-18	2
3	Bolt, M10x130-8.8 Mushroom Head Square Neck Zinc	F81003-36	4
4	Washer, 10.5 Flat Zinc	F81055-1	18
5	Nut, M10-8-B Hex Nylon Zinc Lock	F81033-1	16
	Block Weldment, Log Clamp	089835	2
6	Block Weldment, Log Clamp	088652-1	1
7	Bushing, 3040BS Self-lubricating	088676	2
8	Cylinder, CJ7F-16-40/22 + UE2-40W Hydraulic	088662	1

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Hydraulics*Hydraulic Log Clamp (Optional)*

9	Bolt, M10x40-8.8 Hex Head Full Thread Zinc	F81003-16	14	
10	Bar, Clamp Up/Down	089537-1	4	
11	Plate, Connecting	088645-1	1	
12	Bolt, M10x140-8.8 Hex Head Zinc	F81003-5	2	
13	Plate, Connecting	089533-1	1	
14	Screw, M10x40-8.8 Hex Socket Head Cap Zinc	F81003-22	4	
15	Washer, 10.2 Split Lock Zinc	F81055-2	28	
16	Plate, Log Clamp Rear	089538-1	3	
17	Bolt, M10x35-8.8 Hex Head Full Thread Zinc	F81003-17	18	
18	Bracket, Guide Pin Mount	089536-1	2	
19	Pin, Clamp Up/Down Guide	088631	2	
20	Screw, M16x55-8.8 Hex Socket Head Cap Zinc	F81006-18	2	
21	Washer, 16.3 Split Lock Zinc	F81058-2	2	
22	Plug, M33 Thread	089839	2	
	Jaw, Log Clamp Narrow - Complete	094700	1	
23	Jaw, Log Clamp Narrow	093464-1	1	
24	Bearing, 6005 2RS CX	089652	4	
25	Shaft, Clamp Jaw Guide	088620-1	4	
26	Ring, Z24 Outside Retaining	089654	4	
27	Ring, W47 Inside Retaining	089653	4	
	Jaw, Log Clamp Wide - Complete	094701	1	
28	Jaw, Log Clamp Wide	093465-1	1	
29	Bearing, 6005 2RS CX	089652	4	
30	Shaft, Clamp Jaw Guide	088620-1	4	
31	Ring, Z24 Outside Retaining	089654	4	
32	Ring, W47 Inside Retaining	089653	4	
33	Washer, Clamp Jaw Spacer	089542	4	
34	Bar, Clamp In/Out Side	088622-1	4	
35	Cylinder, SJ2F-40/22/145 Hydraulic	088661	1	
36	Bar, Clamp In/Out Lower	088623-1	1	
37	Pin, 20X75	088657-1	4	
38	Spacer, Lower	089541	4	
39	Pin, S-Zn 5x40 Cotter	F81043-31	10	
40	Bracket, Vertical Cylinder Mount Upper	089540-1	1	
41	Pin, 25X75	088659-1	1	
42	Washer, Clamp Jaw Spacer	501843	1	
43	Washer, 21 Flat Zinc	F81059-2	8	
44	Washer, 28 Flat Zinc	F81061-1	2	
45	Fitting, 1/4NPTx1/4JIC Male	P09143	4	

8.9 Hydraulic Log Clamp



300_0209F

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CLAMP ASSEMBLY, FLOOR MOUNT HYDRAULIC LOG (WM4000/WM4500)	062748	1
1	Clamp Weldment, Base	062743	1
2	Cylinder, Hydraulic 3" x 6"	062700	1
3	Screw, 1/2-13 x 1 1/2" Full Thread Hex Head Grade 5	F05008-116	2
4	Washer, 1/2" SAE Flat	F05011-2	10
5	Pin Weldment, 1" x 6 3/16"	062751	1
6	Nut, 1/2-13 Nyl Hex Lock	F05010-8	10
7	Pin Weldment, 1" x 9 7/16"	062747	1
8	Clamp Weldment, Bottom	062741	1
9	Pin Weldment, 5 1/4"	034727	2

8

Hydraulics

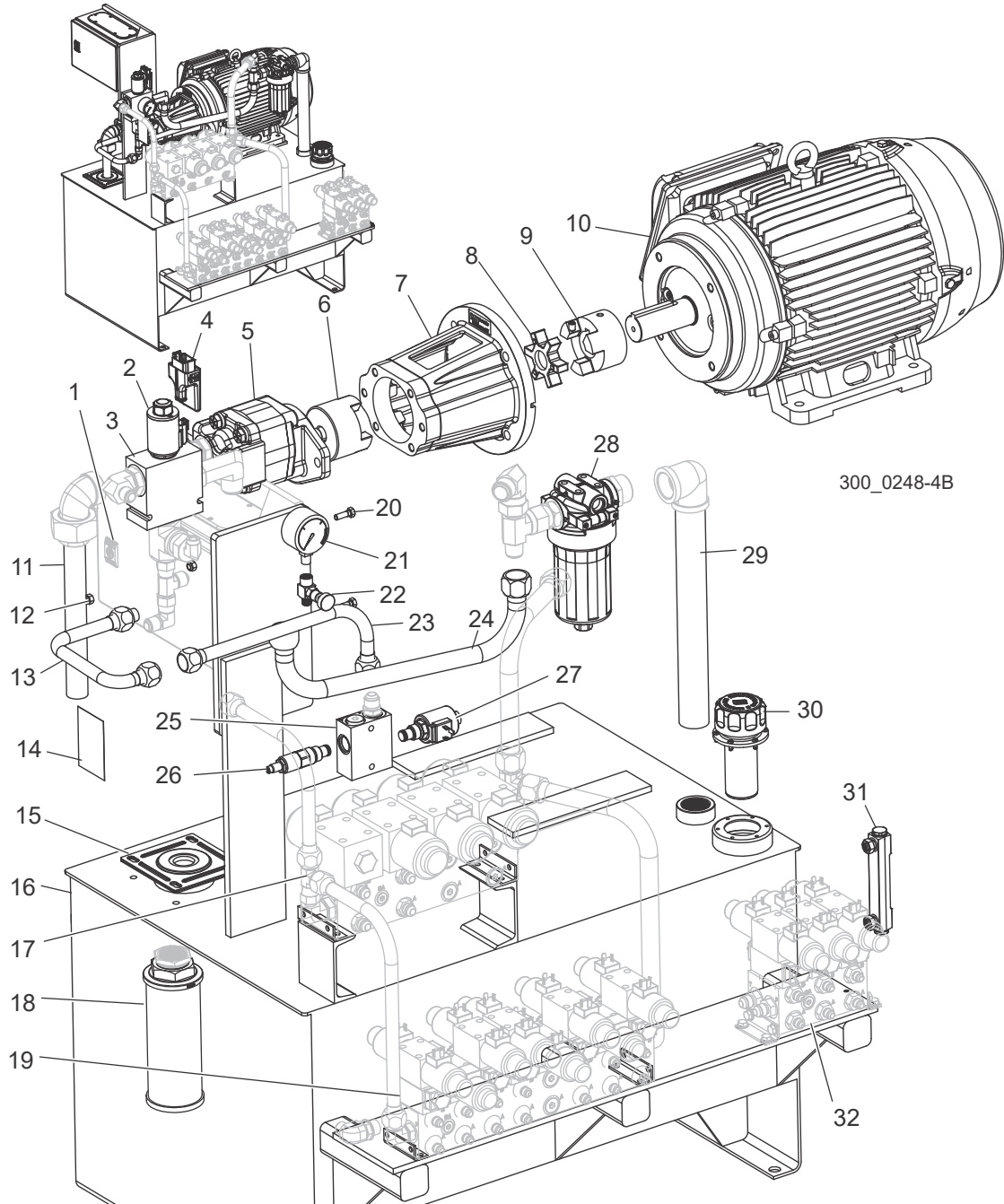
Hydraulic Log Clamp

10	Bolt, 1/2-13 x 1 1/4" Hex Head Grade 5	F05008-37	2	
11	Clamp Weldment, Top	062742	1	
12	Cylinder, Hydraulic 2" x 14"	062701	1	
13	Washer, 1" ID SAE Flat	F05011-28	2	
14	Pin, 3/16" x 1 1/2" Cotter	F05012-23	2	
15	Pin, 1" x 3.88	S09251	1	
16	Clamp Weldment, Stop	062591	1	
17	Bolt, 1/2-13 x 5 1/2" Hex Head Grade 5	F05008-28	4	
18	Stop Weldment, Clamp Ptd	W09404	1	
19	Bolt, 1/2-13 x 1 3/4" Hex Head Grade 5 Full Thread	F05008-88	2	
20	Bushing, Clamp	071239	1	
21	Fitting, #6JIC-#8SAE Elbow	015907 ¹	4	
22	Nut, 5/8-11 Jam	F05010-82 ¹	1	
23	Fitting, 3/16" NPT-3/16" Straight Grease	P04107	1	
24	Fitting, 1/4-28 Grease	P05060	6	
25	Bolt, 5/8-11x1 3/4 HH	F05009-33 ²	1	

¹ Fitting 015907 replaces fittings 016819 and 036164; added F05009-2 and F05010-82on 9/23/19.

² Changed F05009-2 to F05009-33 on 11/7/19.

8.10 Hydraulic Power Unit



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	POWER UNIT ASSEMBLY, WM4000 HYDRAULIC	074007	1
1	WM4000 Hydraulic Control Assembly (See Section 8.11)	N/A	1
	Power Unit, Hydraulic 40 Gal. 15hp 3000psi	065938-1	1

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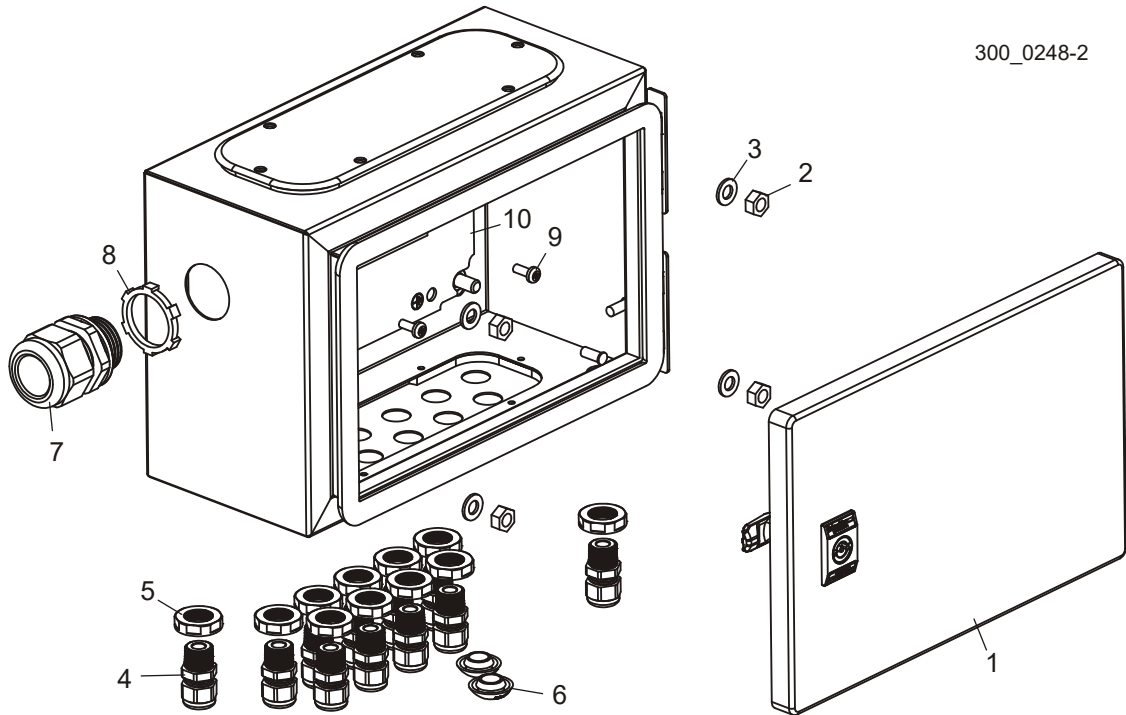
Hydraulics

Hydraulic Power Unit

2	Valve, Proportional PV72-30A	068273	1	
3	Block, Valve Body HF 7022350	061290	1	
	Valve, Proportional Cartridge PV72-30A	068257	1	
	Valve, Proportional Coil PV72-30A	068258	1	
4	Driver Assembly, Prop Valve 8 Pin A2.00+	068227	1	
5	Pump, Hyd. 17GPM Piston Load Sense	078671	1	
6	Pump Coupling	068252	1	
7	Adapter, C-Face Pump Mtr SAE B	078397	1	
8	Insert Coupling	068254	1	
9	Motor Coupling	068253	1	
10	Motor, 15HP 230/460 3Ph 60Hz	078670	1	
11	Tube, 1-1/4" Suction to Pump	078736	1	
12	Nut, 5/16-18 Nylon Lock Hex	F05010-58	4	
13	Tube, 3/4" Hydraulic Press. Pump to Prop	078403	1	
14	Tag, WM4000 Pressure Gauge Warning	079296	1	
15	Flange, Suction HPU 1" Pipe	078398	1	
16	Tank, Hydraulic Reservoir Custom	078402	1	
	Fluid, Hydraulic HVI32 (WM4000) (Gallon)	006397	40	
17	D05 4-station Manifold (See Section 8.13)	N/A	1	
18	Suction Strainer w/Bypass	078690	1	
19	D03 Manifold Assembly (See Section 8.12)	N/A	1	
20	Bolt, 5/16-18 x 1" Hex Head	F05006-1	4	
21	Pressure Gauge (0-3000 PSI)	068265	1	
22	Valve, Snubber MFG250BF	068264	1	
23	Tube, 3/4" Hydraulic Press. Prop to Relief	078406	1	
24	Tube, 1" Hydraulic Tank Prop to Filter	078407	1	
	Kit, Bypass Valve WM1000/4000	061280	1	
25	2 x 2 Body	061160	1	
26	Valve, Relief 250-3300psi RV10-20A	078396	1	
27	Valve, Solenoid 24VDC WM4000	061159	1	
28	Filter, Hyd Cstr 35GPM 725psi w/nd SAE16	078395	1	
	Filter, Hydraulic Element 10 Micron 25psi Byp	078341 ¹	1	
29	Tube, 1-1/4" Tank Filter to Tank	078410	1	
30	Filler/Breather Assembly, Hydraulic 40micron	078401	1	
31	Gauge, Level/Temp Back Mount	078400	1	
32	BX Directional Valve Assembly (See Section 12.8)	N/A	1	

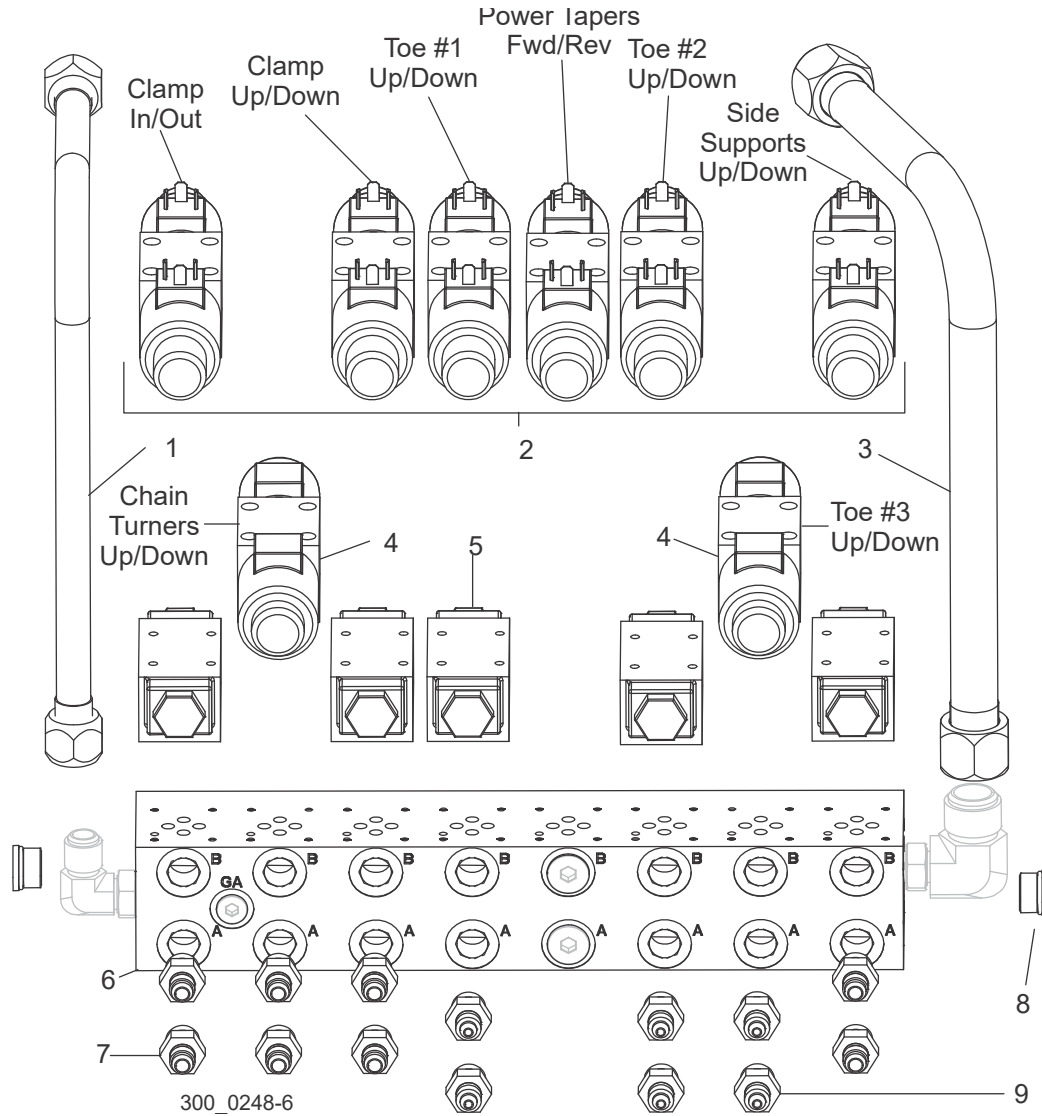
¹ Use 078309 Filter, Hydraulic MZ10 10Micron Synth. or equivalent filter for replacement on sawmills prior to Rev. A9.00 (in place of 068262 Filter, Return Element used on sawmills Prior to Rev. A9.00). Equivalent filter must be 10 micron or less and should have synthetic filter media, not cellulose.

8.11 Hydraulic Control Box



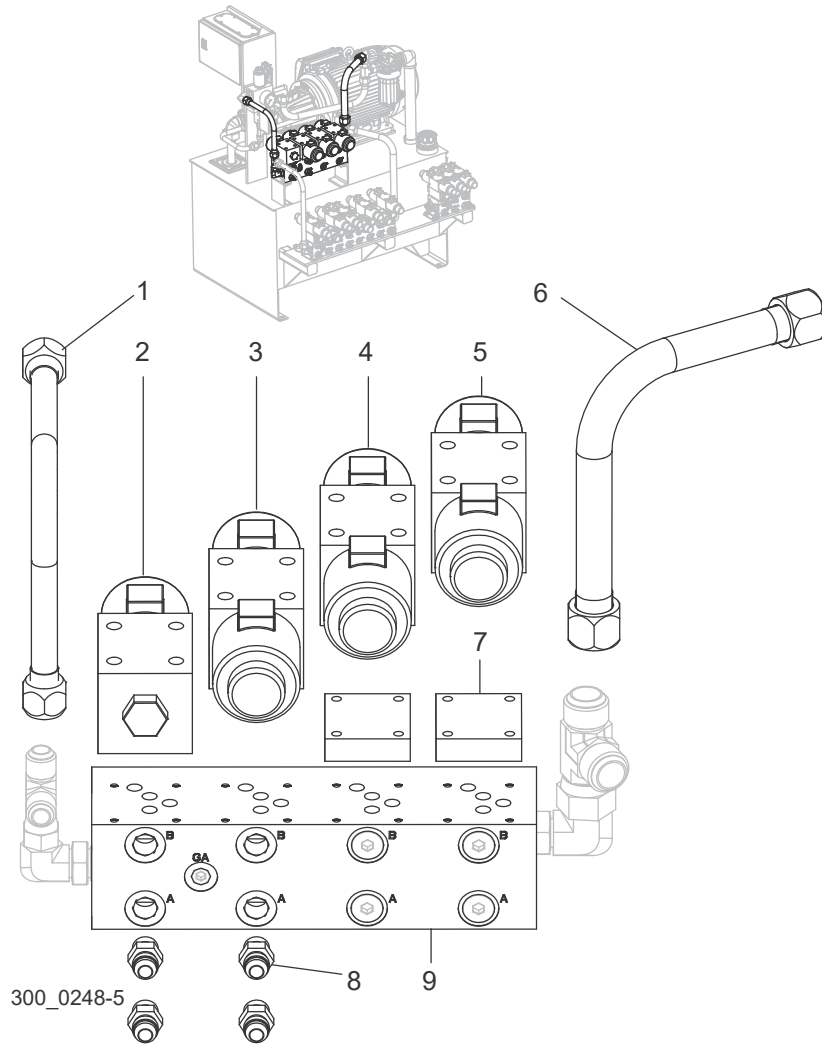
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CONTROL ASSEMBLY, WM4000/WM4500 HYDRAULIC	069917	1
1	Enclosure, Hydraulic Control	069918	1
2	Nut, M8 x 1.25 Free	F05010-162	4
3	Washer, M8 Flat	F05011-131	4
4	Connector, 3/8" NPT	069864	11
5	Nut, 3/8" NPT Nylon Lock	069865	11
6	Plug, 5/8" Hole	068210	2
7	Cord Grip, 1" NPT Black Heyco	069861	1
8	Ring, 1" Sealing	053735	1
9	Bolt, #10-24 x 1/2" Philips Pan Head	F05015-17	2
10	Hydraulic Control Box Insert Assembly (<i>See Electrical Information Manual</i>)		

8.12 D03 Valve Manifold



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	TUBE, 3/4" HYD. PRESS. MNFLD1 TO MNFLD2	078405	1
2	VALVE, D03 3POS A-B TANK	078683	6
3	TUBE, 1" HYD. TANK MNFLD2 TO MNFLD 1	078409	1
4	VALVE, D03 3POS BLOCKED	078684	2
5	VALVE, D03 PO CHECK	078738	5
6	MANIFOLD SHELL ONLY, WM4000 AD03P082S	061185	1
7	FITTING, 8SAE-3/8JIC	P12703	8
8	FITTING, 10SAE STRAIGHT THREAD PLUG	074299	2
9	FITTING, #8SAE-1/4JIC	036759	6

8.13 D05 Valve Manifold



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	TUBE, 3/4" HYD. PRESS. PROP TO MNFLD1	078404	1
2	VALVE, D05 2POS A-B TANK	078686	1
3	VALVE, D05 3POS A-B TANK	078685	1
4	VALVE, LOADER DIRECTIONAL UP/DN	061165	1
5	VALVE, LOG DECK DIRECTIONAL FWD/REV	061166	1
6	TUBE, 1" HYDRAULIC TANK MNFLD1 TO FILTER	078408	1
7	PLATE, COVER D05 VALVE	078399	2
8	FITTING, #8SAE-#8JIC	028076	4
9	D05, 4-STATION MANIFOLD	061190	1

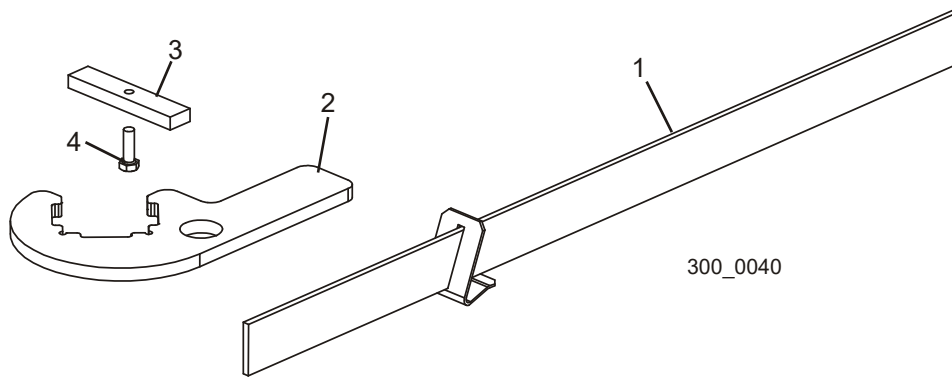
SECTION 9 MISCELLANEOUS

9.1 Manuals



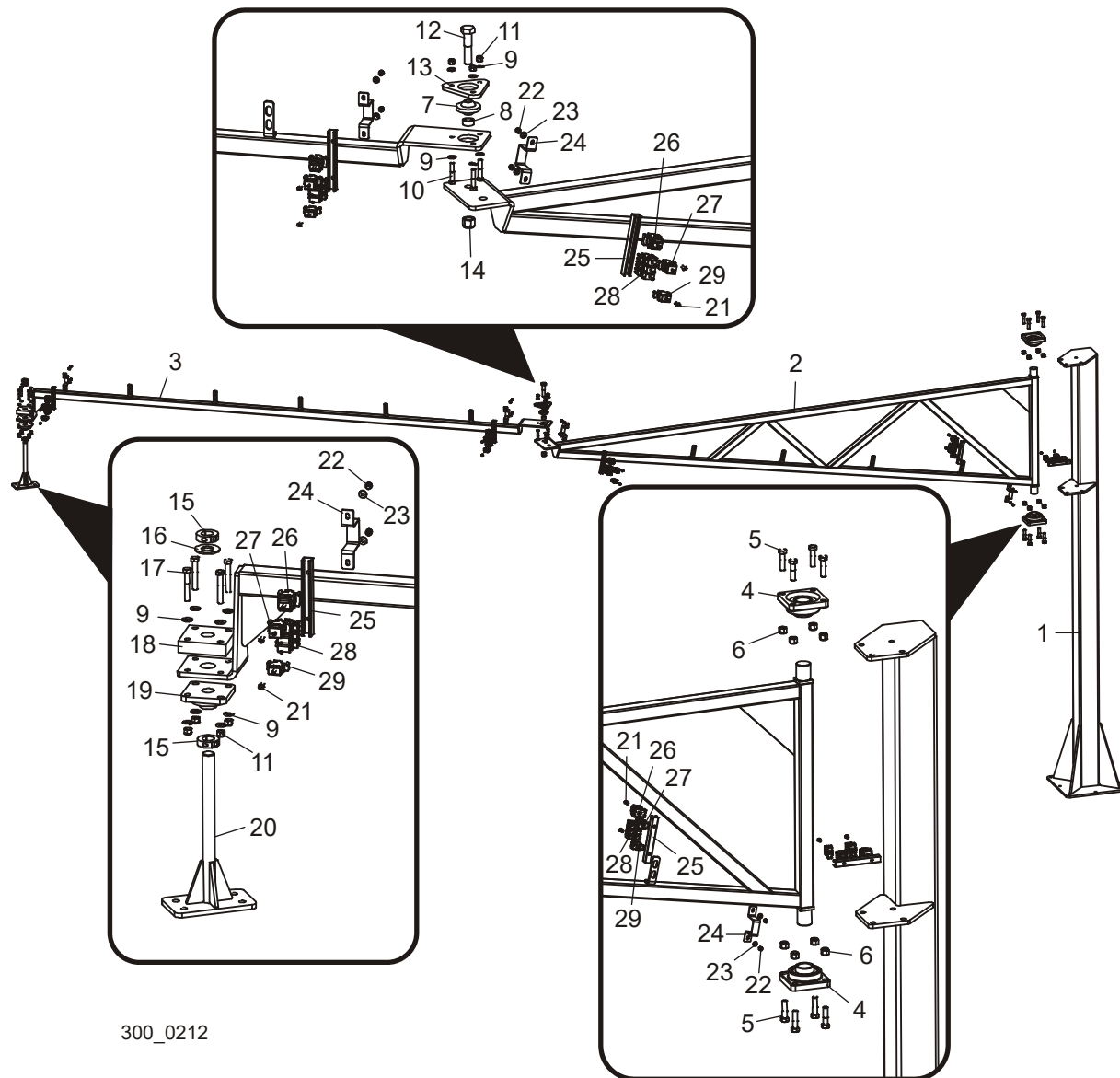
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
WM4500 Manuals				
1	MANUAL, WM4500 OPERATOR'S	M2351	1	
2	MANUAL, WM4500 PARTS	M2353	1	
Schematics				
3	SCHEMATIC, WM4500 ELECTRICAL	M2360	1	
4	SCHEMATIC, WM4000/WM4500 AIR	M1015	1	

9.2 Tools



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	ALIGNMENT TOOL, BLADE GUIDE	LTBGAT	1
2	ALIGNMENT TOOL, BLADE GUIDE ARM	042700	1
3	BLOCK, BLADE GUIDE ALIGNMENT	035799	2
4	BOLT, #10-32 X 5/8" HEX HEAD	F05004-152	2
	HONE, 6" COURSE DIAMOND BENCH SHARPENING (NOT SHOWN)	017813	1

9.3 Pantograph Assembly

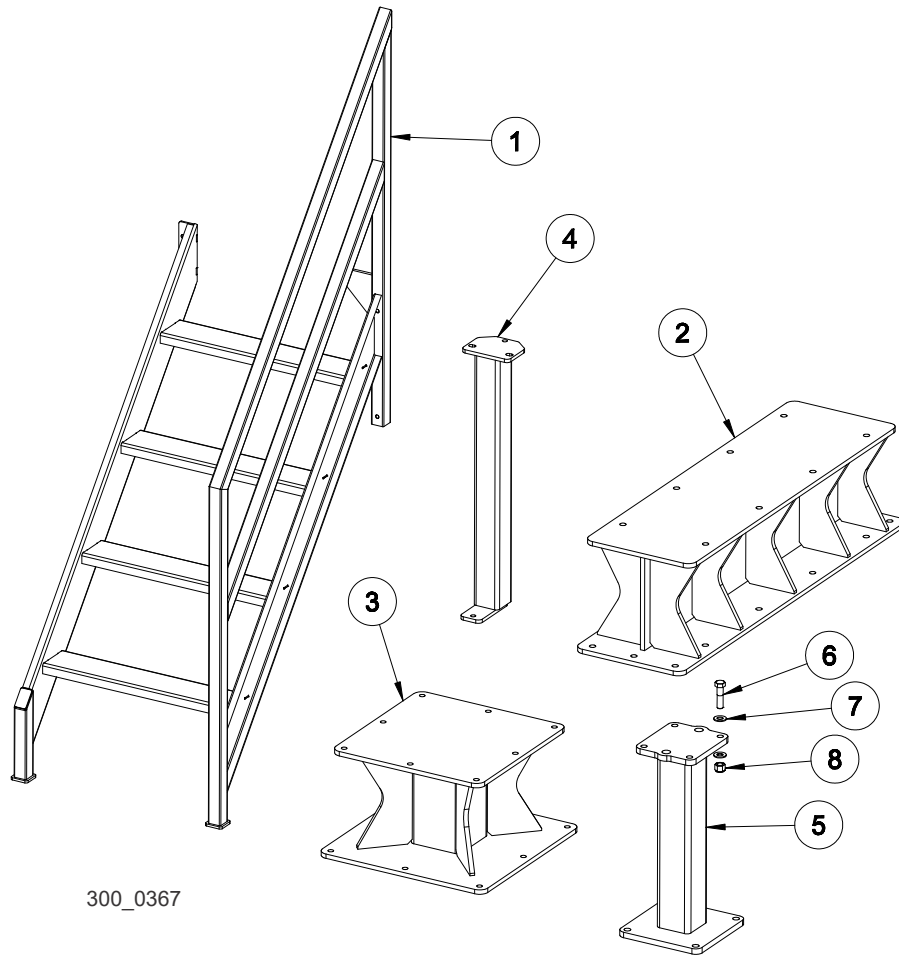


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PANTOGRAPH ASSEMBLY, WM4000 OVERHEAD CABLE	065995	1
1	Tube Weldment, Pantograph	074002	1
2	Arm Weldment, Pantograph A-Frame	074000	1
3	Arm Weldment, Pantograph Connector	074001	1
	Bolt, 1/2" x 5 1/2" Concrete Wedge Anchor	F05008-131	8
4	Bearing, 1 15/16" 4-Bolt Flange	033712	2
5	Bolt, 5/8-11 x 2 1/2" Hex Head Grade 5	F05009-20	8

6	Nut, 5/8-11 Hex Nylon Lock	F05010-34	8	
7	Ball Joint, 3/4" ID x 2 1/2" OD	042538	1	
8	Spacer, 25/32" 1 1/8" x 1/2"	057913	1	
9	Washer, 3/8" SAE Flat	F05011-3	14	
10	Bolt, 3/8-16 x 2" Hex Head Grade 8	F05007-124	3	
11	Nut, 3/8-16 Hex Nylon Lock	F05010-10	7	
12	Bolt, 3/4-10 x 3 1/2" Hex Head Grade 5	F05009-54	1	
13	Plate, Ball Joint Retainer	057912	1	
14	Nut, 3/4-10 Hex Nylon Lock	F05010-103	1	
15	Collar, 1" Lock	038444	2	
16	Washer, 1" SAE Flat	F05011-28	1	
17	Bolt, 3/8-16 x 2 1/2" Hex Head Grade 5	F05007-125	4	
18	Block, Bearing Mount	057910	1	
19	Bearing, VF4S-216 Flanged	014090	1	
20	Bracket Weldment, LT300 Pantograph Pivot	057481	1	
21	Screw, 1/4-20 x 3/4" SBHC	F05005-60	8	
22	Nut, 1/4-20 Nylock	F05010-69	8	
23	Washer, 1/4" SAE Flat	F05011-11	8	
24	Plate, Strain Relief Mount	074004	4	
	Relief Assembly, WM4000 Strain	074003	5	
25	Rail, CFX Strain Relief Profile	065979	1	
26	Strain Relief, CFX 22-26mm Single Cable	065975	1	
27	Strain Relief, CFX 18-20mm Single Cable	065976	1	
28	Strain Relief, CFX 6-12mm DoubleCable	065977	3	
29	Strain Relief, CFX 12-14mm Single Cable	065978	1	
	Tie Wrap, 5/16 x 15 UV	F05089-5	20	
	Tie Wrap, 3/16 x 6 UV Black	F05089-3	10	

9 Miscellaneous
Lift Kit, 12"

9.4 Lift Kit, 12"

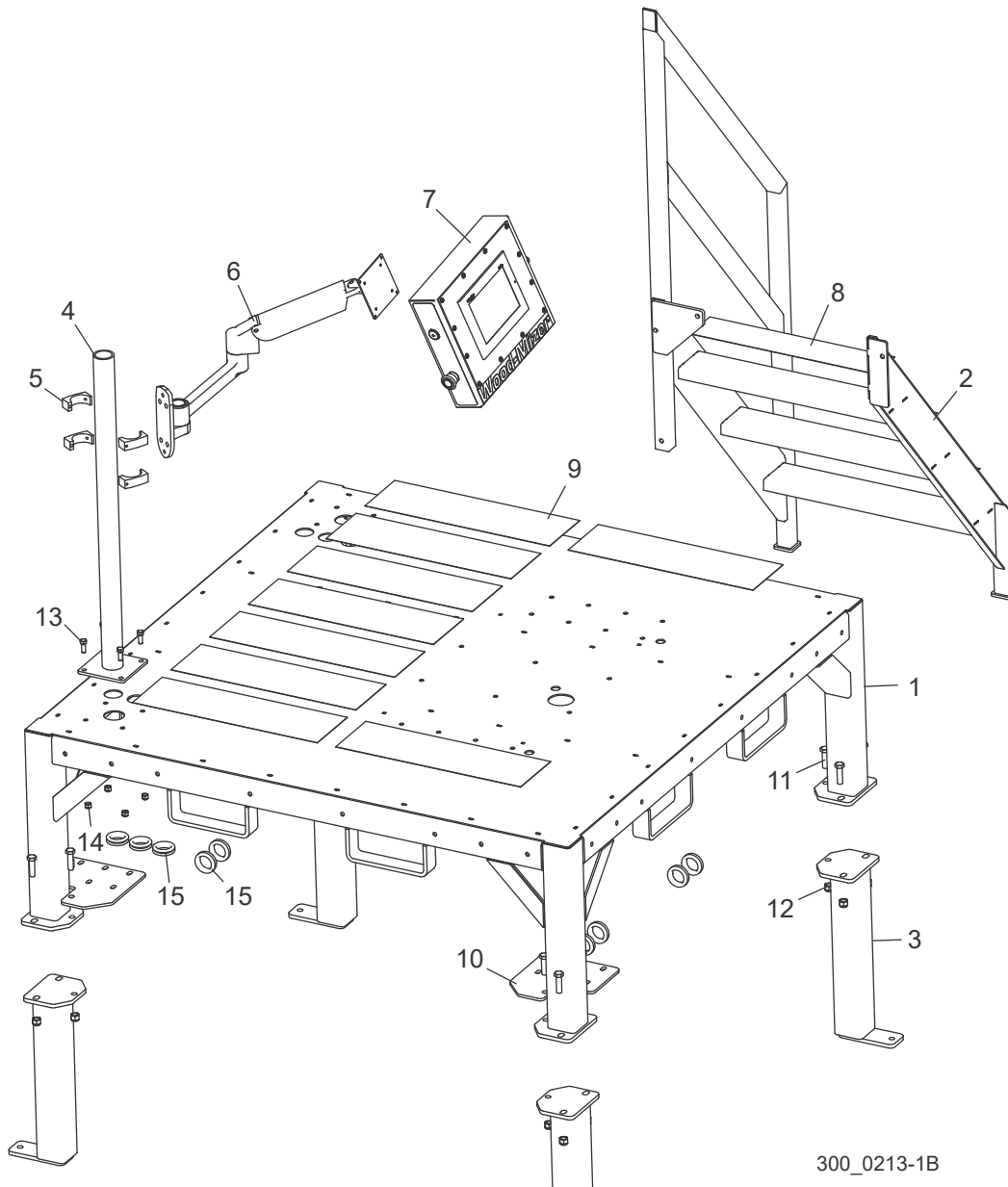


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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	LIFT KIT, WM4500 12"	110836	1
1	Stair/Rail Weldment, Extended, 12"	120017	1
2	Weldment, Clamp Riser, 12"	120012	1
3	Riser, 12" Pantograph	120008	1
4	Weldment, Leg Extension, Cab, 12"	120006	4
5	Weldment, Leg Extension WM4500, 12"	120001	23
6	Bolt, 5/8-11x2 1/2 Gr5 HH	F05009-20	20
7	Washer, 5/8 SAE Flat	F05011-5	40
8	Nut, 5/8-11 Nyl Lock	F05010-34	20

SECTION 10 OPERATOR STATION

10.1 Frame, Rails & Ladder



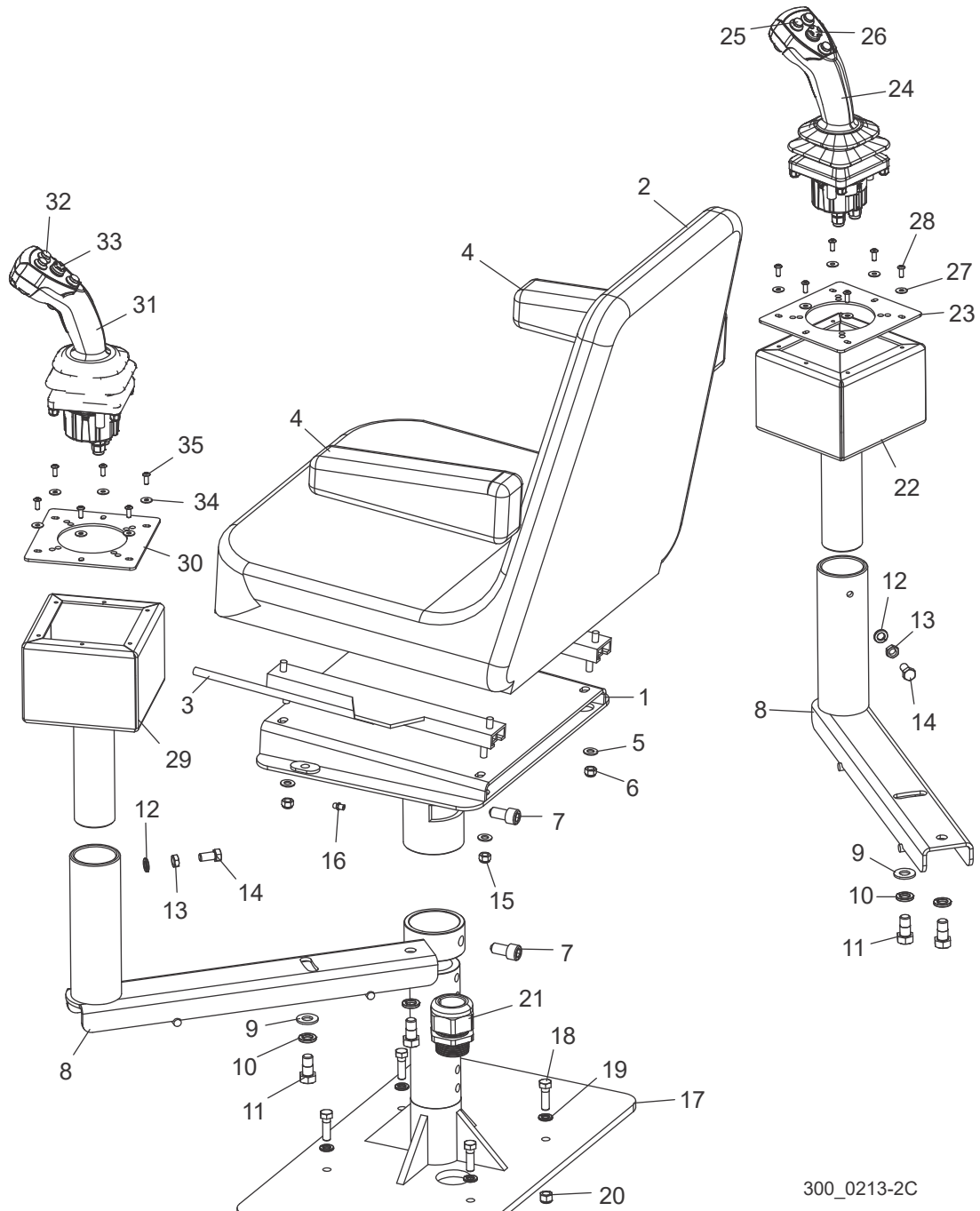
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	STAND WELDMENT, WM4000 OPERATOR STATION	058152	1
2	STAIR/RAIL WELDMENT, OPERATOR STAND	065469	1
3	LEG WELDMENT, 18" 3 X 3 EXTENSION	065462	6
4	POST WELDMENT, 33" MOUNT	063020	1

10**Operator Station**
Frame, Rails & Ladder

5	CLAMP, 2" 2-PIECE MOUNT	065965	2	
6	ARM, MONITOR/CONTROL	063033	1	
7	CONTROL ASSEMBLY, OPERATOR (WM4000) (See Section 10.3)	069952	1	
	CONTROL ASSEMBLY, OPERATOR (WM4500) (See Section 10.3)	078793	1	
8	PAD, NON-SKID 4X20	016895	3	
9	PAD, NON-SKID STEP, 6" WIDE	045149	9	
10	PLATE, WM4000 HYDRAULIC HOSE	074037	2	
11	BOLT, 1/2-13 X 1 3/4" HEX HEAD GRADE 5 FULL THREAD	F05008-88	12	
12	NUT, 1/2-13 NYL HEX LOCK	F05010-8	12	
13	BOLT, 3/8-16 X 1" HEX HEAD GRADE 5	F05007-87	4	
14	NUT, 3/8-16 HEX NYLOC	F05010-10	4	
15	GROMMET, 1-1/2 ID - 3/16 MATL	043405	14	

10.2 Seat & Joystick Controls

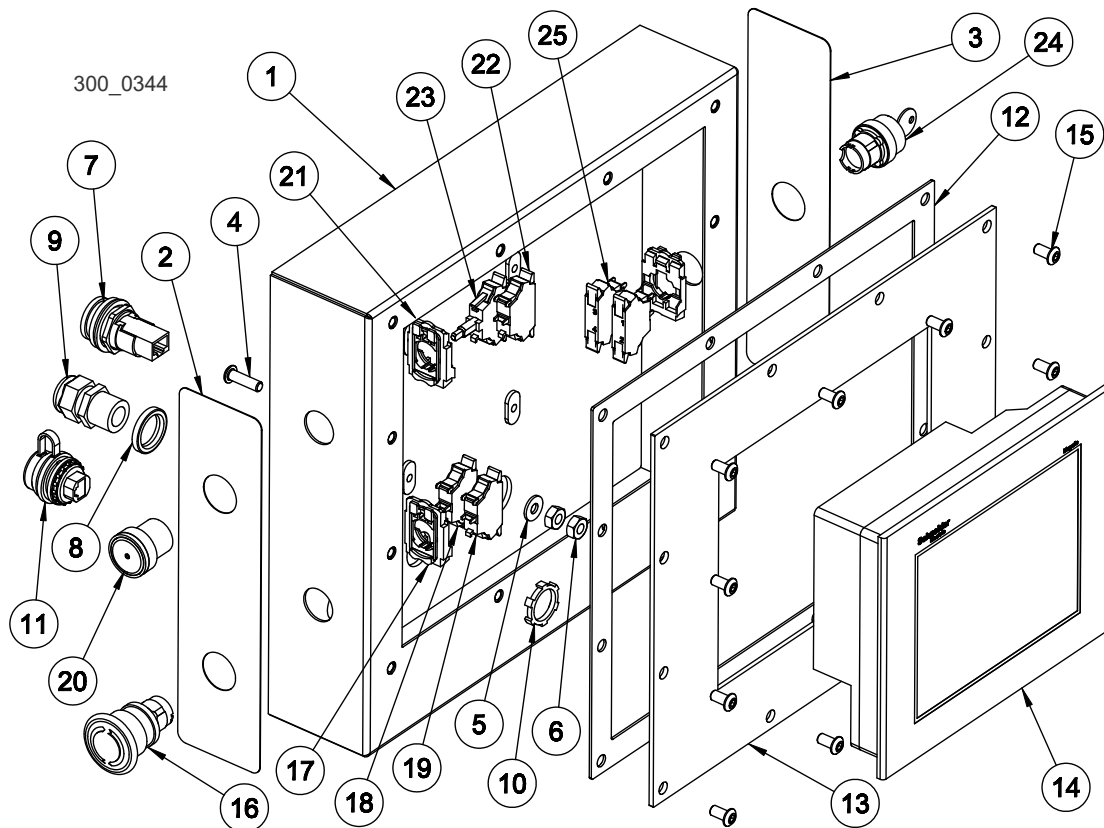


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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	MOUNT WELDMENT, OPERATOR SEAT	045134	1
2	SEAT, OPERATOR	038719	1
3	ADJUSTER ASSEMBLY, OPERATOR SEAT (MILSCO)	038720	1

4	ARMREST, OPERATOR SEAT (PAIR, MILSCO)	038721	1	
5	WASHER, 5/16" SAE FLAT	F05011-17	4	
6	NUT, 5/16-18 NYLON LOCK	F05010-58	4	
7	BOLT, 1/2-20 X 1" SOCKET HEAD	F05008-57	2	
8	ARM WELDMENT, CONTROL	038857	2	
9	WASHER, 1/2" SAE FLAT	F05011-2	2	
10	WASHER, 1/2" SPLIT LOCK	F05011-9	4	
11	BOLT, 1/2-13 X 1" HEX HEAD	F05008-50	4	
12	WASHER, 3/8" SPLIT LOCK	F05011-4	2	
13	NUT, 3/8-16 HEX JAM	F05010-29	2	
14	BOLT, 3/8-16 X 3/4" HEX HEAD GRADE 5	F05007-118	2	
15	COLLAR, SEAT POST MOUNT	045135	1	
16	FITTING, 1/4-28 GREASE	P05060	2	
17	POST WELDMENT, OPERATOR SEAT	068073	1	
18	BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 5	F05007-123	4	
19	WASHER, 3/8" SPLIT LOCK	F05011-4	4	
20	NUT, 3/8-16 HEX NYLOC	F05010-10	4	
21	CORDGRIP, .88"-1.26" 1 1/4" NPT	057953	1	
	CONTROL ASSEMBLY, RIGHT JOYSTICK	069992	1	
22	Box Weldment, Right Joystick	038863	1	
23	Cover, Joystick Control Box	038861	1	
24	Joystick, 4-Button w/4-Way Switch	078360	1	
25	Button, Joystick Press	061192	4	
26	Button, Joystick 4-Way Directional	061193	1	
27	Washer, #10 SAE Flat	F05011-18	6	
28	Screw, #10-24 x 1/2" Socket Button Head	F05004-35	6	
	Cable Assembly, Ind. Mill Right Joystick	078660	1	
	CONTROL ASSEMBLY, LEFT JOYSTICK	069991	1	
29	Box Weldment, Left Joystick	038862	1	
30	Cover, Joystick Control Box	038861	1	
31	Joystick, 4-Button w/4-Way Switch	078360	1	
32	Button, Joystick Press	061192	4	
33	Button, Joystick 4-Way Directional	061193	1	
34	Washer, #10 SAE Flat	F05011-18	6	
35	Screw, #10-24 x 1/2" Socket Button Head	F05004-35	6	
	Cable Assembly, Ind. Mill Left Joystick	078659	1	

10.3 Control Box Assembly



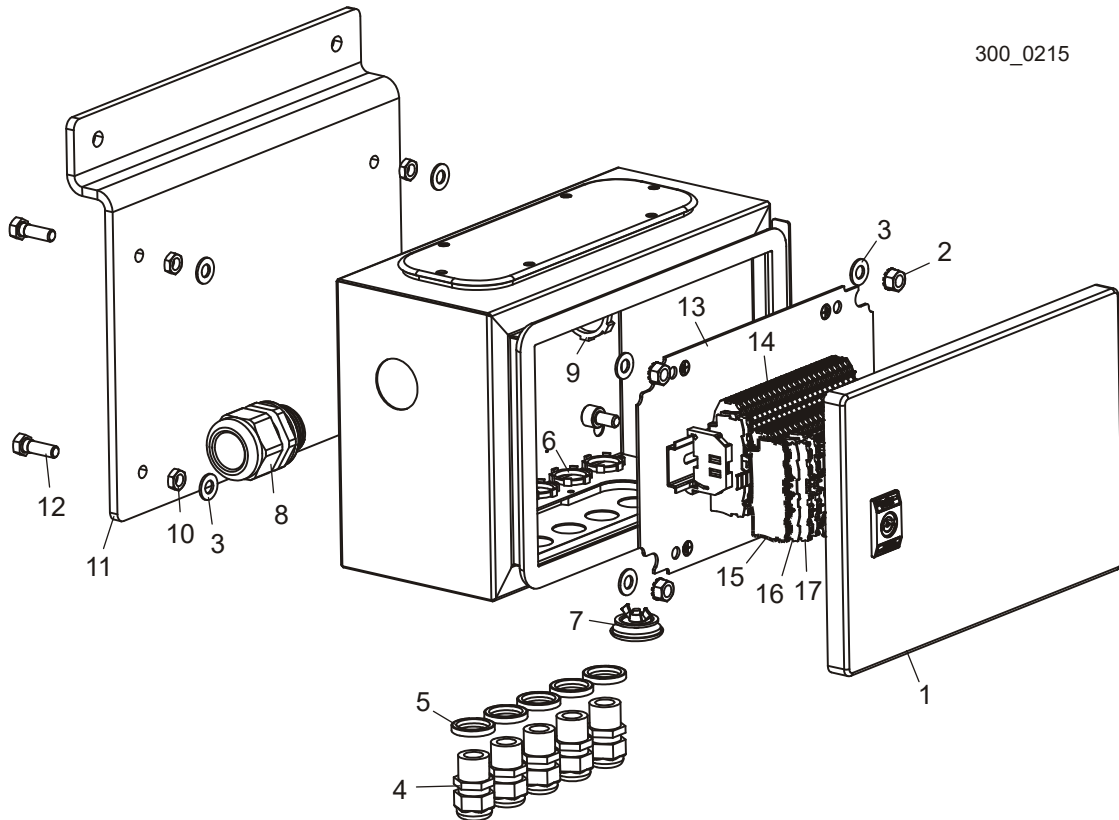
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CONTROL ASSEMBLY, IND. MILL HMI	078793	1
1	Box Weldment, Control Monitor	058922	1
2	Decal, Ind. Mill Power Estop	068208	1
3	Decal, Ind. Mill Key Switch	068209	1
4	Bolt, 1/4-20x7/8 BHCS Stainless Stl	F05005-169	1
5	Washer, 1/4 SAE Flat	F05011-11	1
6	Nut, 1/4-20 Jam Heavy Duty	F05010-129	2
7	Receptacle, Panel Mount RJ45 Straight	052993	1
8	Ring, 1/2 Sealing	E20460	1
9	Connector, 1/2" NPT .17-.47	051299	1
10	Nut, 1/2 npt Connector Lock	E20461	1
11	Receptacle, Panel Mount USB	068178	1
12	Gasket, WM4000 HMI Faceplate	078443	1
13	Plate, WM4000 Screen Bezel	069955	1
	HMI Assembly, Ind. Mill	078794	1
14	HMI, 7.5in Magelis HMIGTO4310	078439	1

10

Operator Station Control Box Assembly

15	Screw, 1/4-20x1/2 BHSC SS Gr2	F05005-112	12	
16	Push-Button, Mshrm Mntnd Red TrnRI ZB5	068940	1	
	Collar, Mount 1NC ZB5	068950	2	
17	Switch Collar, Mount ZB5	068951	1	
18	Contact Block, NC ZB5	068921	1	
19	Contact Block, NC ZB5	068921	1	
20	Switch Head, PB Green Flush Illum ZB5	052503	1	
	Collar, Mount 1NO ZB5	068952	1	
21	Switch Collar, Mount ZB5	068951	1	
22	Contact Block, NO ZB5	068920	1	
23	Light Module, Green ZB5	068910	1	
24	Switch, Key 3Pos Mom R-C	068941	1	
25	Contact Block, NO ZB5	068920	1	
	Cable Assembly, Ind. Mill HMI Control	078658	1	
	Cable Assembly, Ind. Mill Ethernet HMI Int	069986	1	
	Cable Assembly, Ind. Mill HMI Ethernet	069997	1	

10.4 Junction Control Assembly



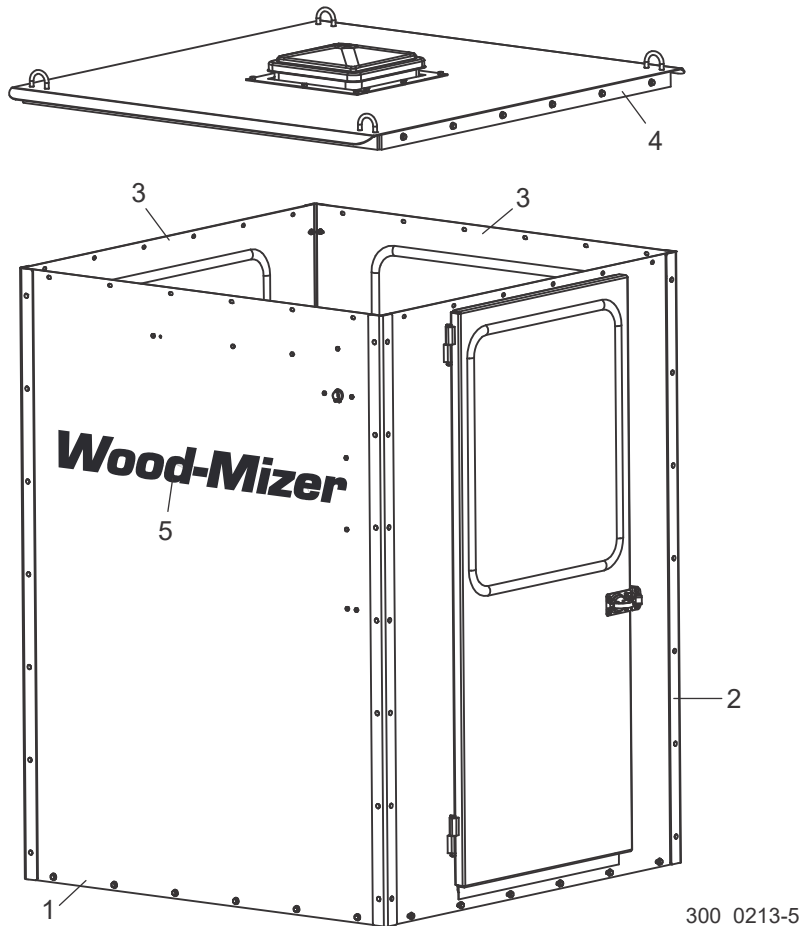
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CONTROL ASSEMBLY, INDUSTRIAL MILL OPERATOR JUNCTION	069899	1
1	Enclosure, Industrial Mill Operator Junction	069898	1
2	Nut, 5/16-18 Keps	F05010-20	4
3	Washer, 5/16" SAE Flat	F05011-17	8
4	Connector, 1/2" NPT .17-.47	051299	5
5	Ring, 1/2" Sealing	E20460	5
6	Nut, 1/2" NPT Connector Lock	E20461	5
7	Plug, AS050 Oiltite	024685	1
8	Cord Grip, 1" NPT Black Heyco	069861	1
9	Ring, 1" Sealing	053735	1
10	Nut, 5/16-18 Hex Jam	F05010-173	4
11	Bracket, Industrial Mill Operator Junction Mount	069947	1
12	Bolt, 5/16-18 x 1" Hex Head	F05006-1	4
13	Insert, Industrial Mill Junction	069922	1
14	Terminal Block, 2 Tier 2.5mm Clamp	068119	24
15	Terminal Block, 4Pos 1.5mm GND Clamp	068104	1
16	Terminal Block, 4Pos 1.5mm End Plate	068105	4

10**Operator Station**
Junction Control Assembly

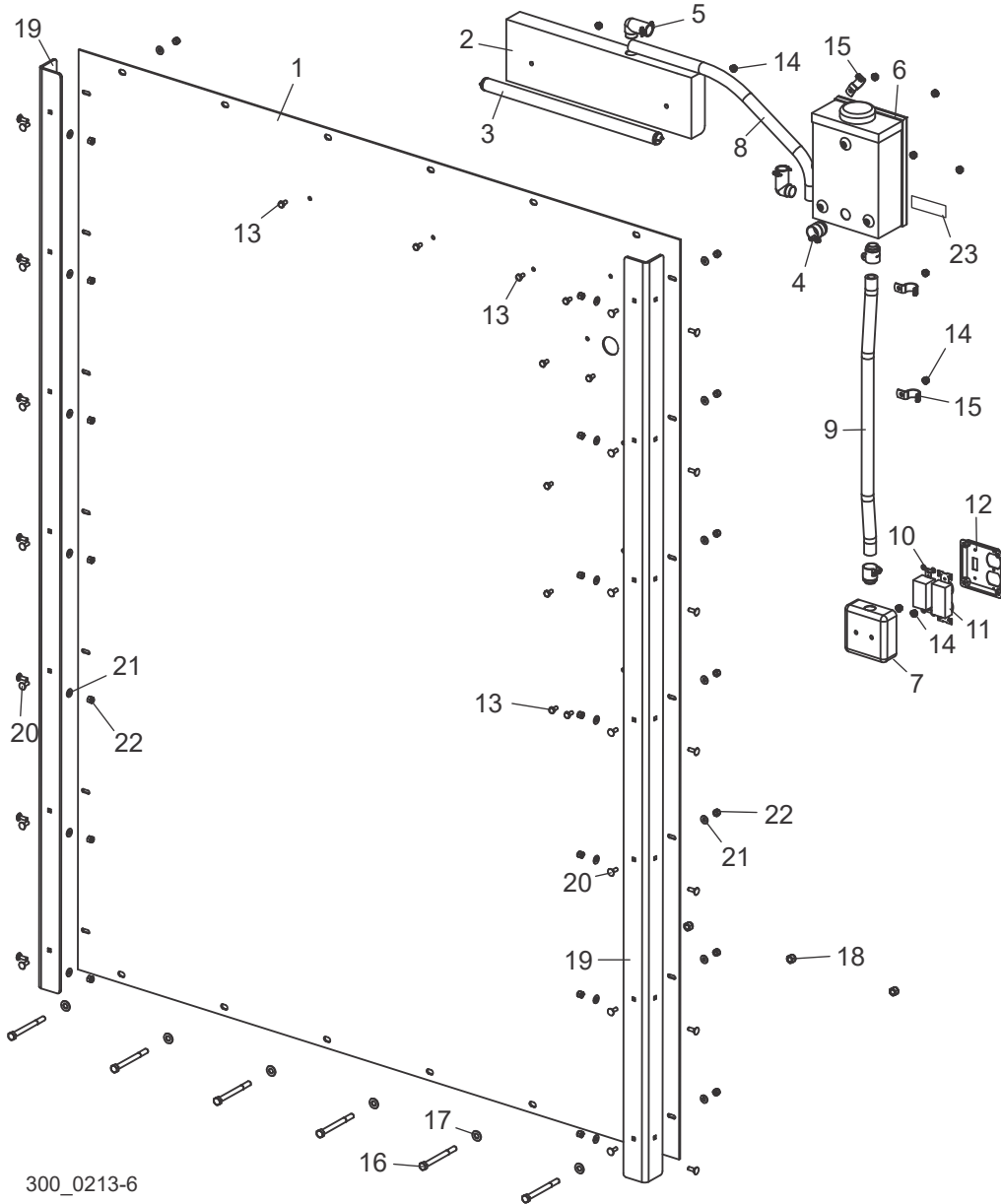
17	Terminal Block, 4 Pos 2.5mm Com Clamp	068103	3	
	Din Clamp, Screwless	051986	2	
	Terminal Block, 10Pos Jumper 2.5mm	068113	1	
	Cable Assembly, Industrial Mill Operator Junction	078657	1	
	Din Rail, 35mm x 7.5mm x 1m Steel Sym	024474	1	

10.5 Cab



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CAB ASSEMBLY, OPERATOR	058169	1
1	Rear Panel Parts (See Section 10.6)		
2	Right Panel Parts (See Section 10.7)		
3	Front & Left Panel Parts (See Section 10.8)		
4	Roof Parts (See Section 10.9)		
5	DECAL, 40" BLACK WOOD-MIZER LOGO	076274	1
	DECAL, WM4500 RIGHT DOOR (WM4500 ONLY)	110725	1
	DECAL, WM4500 LEFT DOOR (WM4500 ONLY)	110726	1

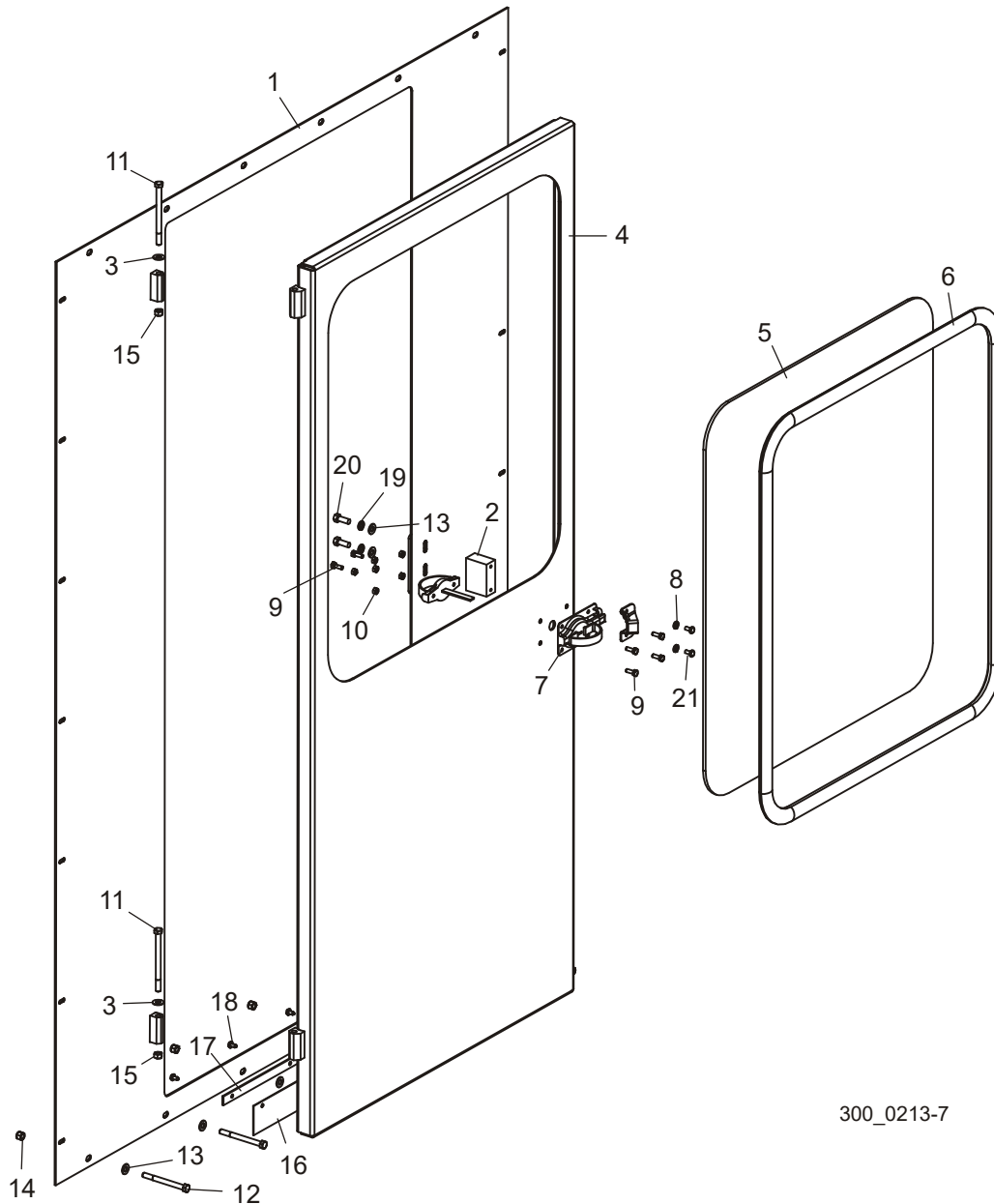
10.6 Rear Panel



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PANEL ASSEMBLY, 2013 REAR	058175	1
1	Panel, 2013 Rear	058176	1
2	Fixture, Flourescent Uncer-Cabinet Light	042590	1
3	Bulb, 15 Watt Flourescent	016876	1
4	Clamp, 1/2" Flex Conduit	042595	3
5	Clamp, 1/2" 90° Flex Conduit	017801	2

6	Disconnect Switch, 30A Nema 1 Safety	069553	1	
7	Box, 4" Electrical Utility	042591	1	
8	Conduit, 1/2" x 21" Steel Flex	042597	1	
9	Conduit, 1/2" x 25" Steel Flex	042596	1	
10	Switch, 120VAC 20 Amp Single Pole	042592	1	
11	Receptacle, 120VAC 20 Amp Duplex	042593	1	
12	Cover, Stainless Steel Switch/Plug	042594	1	
13	Bolt, 1/4-20 x 1/2" Hex Head	F05005-15	9	
14	Nut, 1/4-20 Self-Locking Hex	F05010-9	9	
15	Clamp, 3/4" EMT	P04851	3	
16	Bolt, 3/8-16 x 4" Hex Head Grade 5	F05007-126	6	
17	Washer, 3/8" SAE Flat	F05011-3	6	
18	Nut, 3/8-16 Hex Nylon Lock	F05010-10	6	
19	ANGLE, CORNER SUPPORT	058917	2	
20	BOLT, 1/4-20 X 3/4" CARRIAGE	F05005-113	28	
21	WASHER, 1/4" SAE FLAT	F05011-11	28	
22	NUT, 1/4-20 NYLOCK	F05010-69	28	
23	DECAL, CAB VOLTAGE	042676	1	

10.7 Right Panel

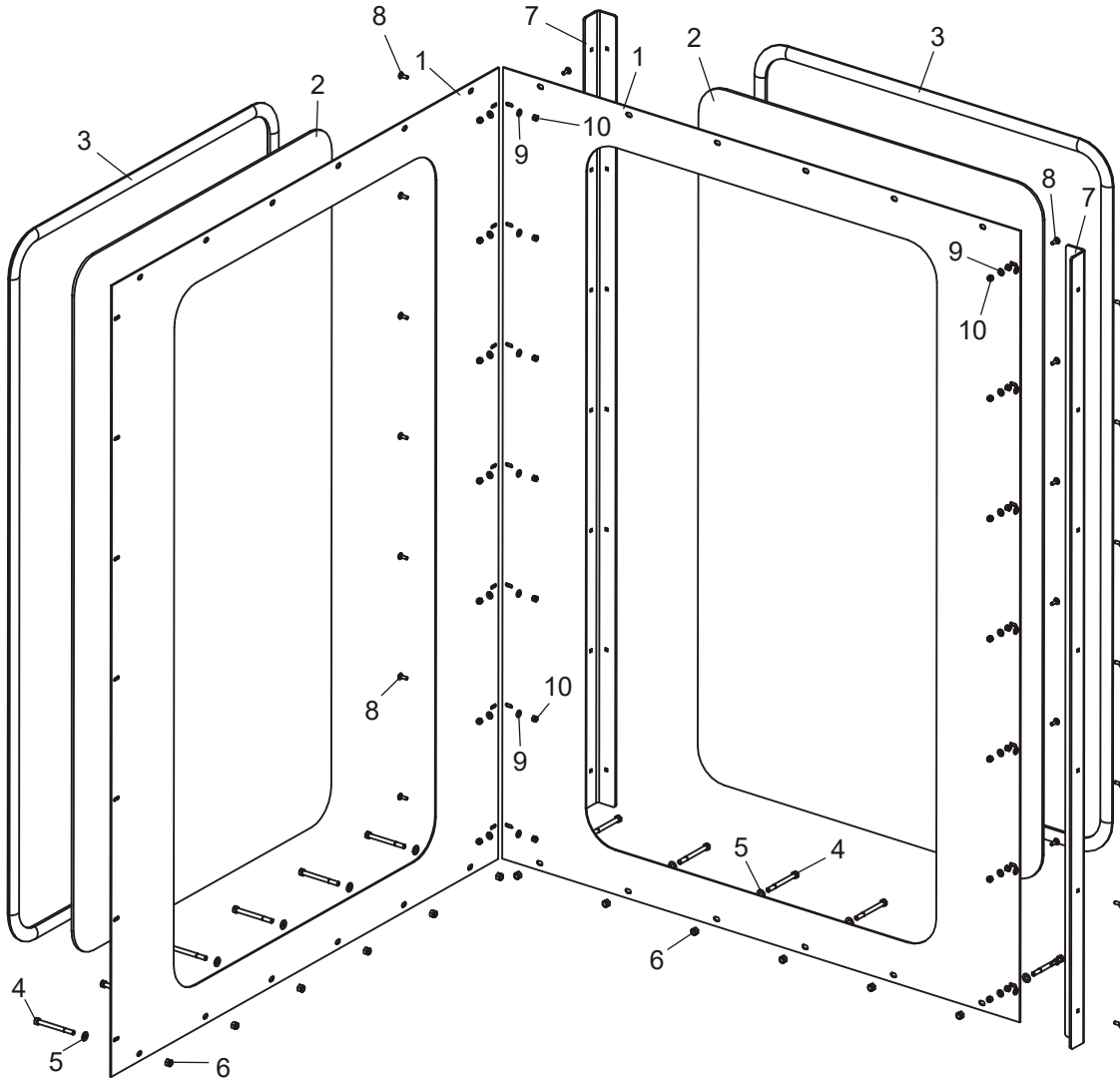


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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PANEL ASSEMBLY, DOOR	058166	1
1	Panel Weldment, Door	058167	1
2	Block, Latch Mount	042634	1
3	Washer, Door Hinge	042578	1
4	Door Weldment, Cab	042632	1

5	Window, Cab Door	042576	1	
6	Seal, Cab Door Window	042575	1	
7	Latch, Door	042587	1	
8	Washer, 1/4" Split Lock	F05011-14	2	
9	Bolt, 1/4-20 x 3/4" Hex Head Full Thread	F05005-1	6	
10	Nut, 1/4-20 Hex Lock	F05010-21	6	
11	Bolt, 3/8-16 x 5" Hex Head Grade 5	F05007-86	2	
12	Bolt, 3/8-16 x 4" Hex Head Grade 5	F05007-126	4	
13	Washer, 3/8" SAE Flat	F05011-3	4	
14	Nut, 3/8-16 Hex Nylon Lock	F05010-10	4	
15	Nut, 3/8-16 Hex Lock	F05010-25	2	
16	Flap, Rubber Door	042638	1	
17	Plate, Rubber Door Flap	042637	1	
18	Screw, 1/4-20 x 1/2" Self-Tapping	F05015-1	5	
19	Washer, 3/8" Split Lock	F05011-4	2	
20	Bolt, 3/8-16 x 1" Hex Head	F05007-7	2	
21	Bolt, 1/4-20 x 1/2" Hex Head	F05005-15	2	

10.8 Front Panel

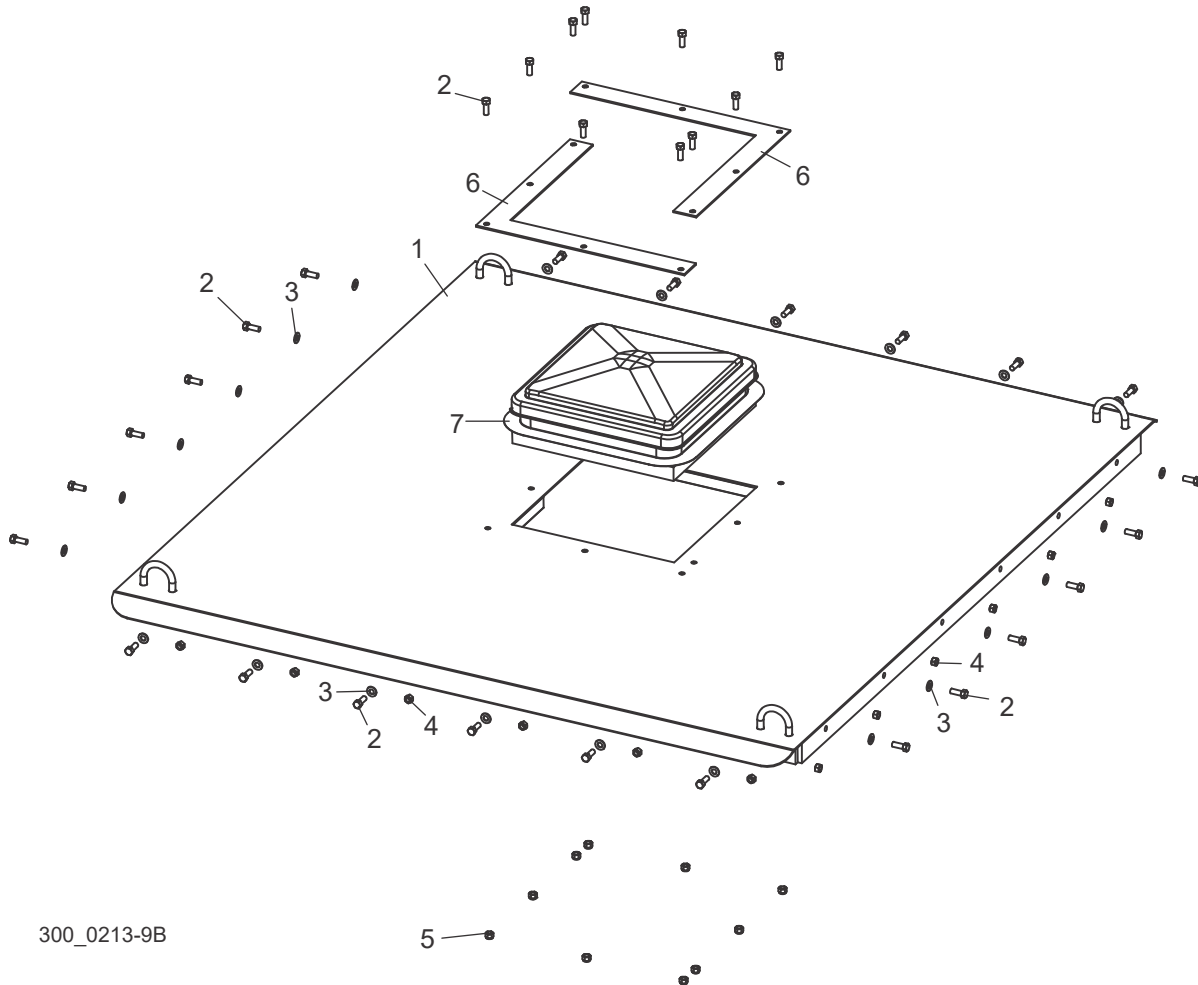


300_0213-8

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PANEL ASSEMBLY, WINDOW	058177	2
1	Panel, Window	058179	1
2	Window, Cab Front	042631	1
3	Seal, Cab Front Window	042630	1
4	Bolt, 3/8-16 x 4" Hex Head Grade 5	F05007-126	6
5	Washer, 3/8" Flat SAE	F05011-3	6
6	Nut, 3/8-16 Hex Nylon Lock	F05010-10	6
7	ANGLE, CORNER SUPPORT	058917	2
8	BOLT, 1/4-20 X 3/4" CARRIAGE	F05005-113	28

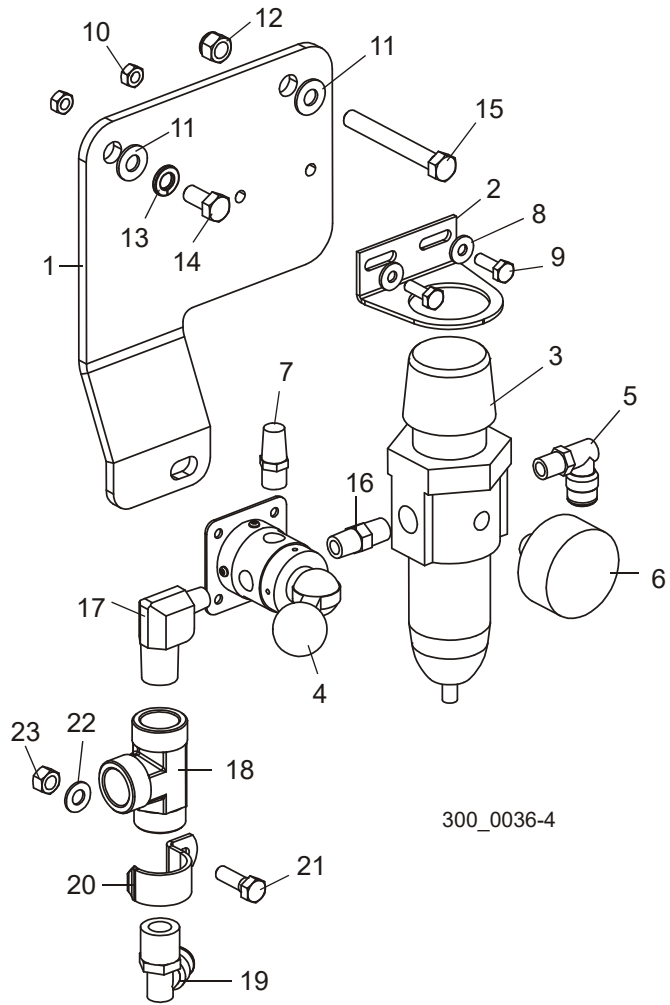
9	WASHER, 1/4" SAE FLAT	F05011-11	28	
10	NUT, 1/4-20 NYLON LOCK	F05010-69	28	

10.9 Roof



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ROOF ASSEMBLY, LT300 CAB	058182	1
1	Roof Weldment, Cab	058183	1
2	Bolt, 3/8-16 x 1" Hex Head Cap	F05007-7	34
3	Washer, 3/8" Flat SAE	F05011-3	24
4	Nut, 3/8-16 Swaged Lock	F05010-25	24
5	Nut, 3/8-16 Hex Nylon Lock	F05010-10	10
6	Plate, Air Vent	016866	2
7	Vent, Plastic Dome	016867	1

10.10 Air Supply



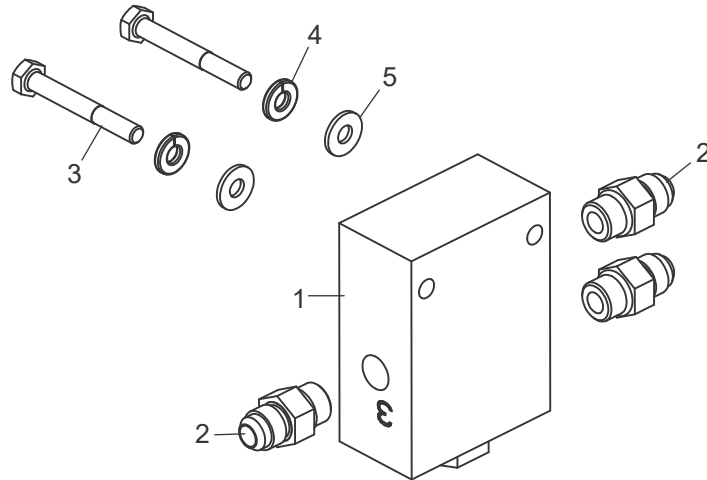
300_0036-4

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	AIR SUPPLY,	016887	1
1	Plate, Air Supply Mount	016888	1
2	Bracket, Air Filter Mount	P21511	1
3	Filter, B11-02 WJC Regulator	P21510	1
4	Valve, 250V3 Air	P21513	1
5	Fitting, 1/4" NPT x 3/8" Air 90° Elbow	P21521	1
6	Gauge, Air Pressure	P21512	1
7	Fitting, 1/4" NPT Air Muffler	P20904	1
8	Washer, 1/4" SAE Flat	F05011-11	2
9	Bolt, 1/4-20 x 3/4" Hex Head Full Thread	F05005-1	2
10	Nut, 1/4-20 Hex Lock	F05010-21	2
11	Washer, 3/8" SAE Flat	F05011-3	2

10**Operator Station**
Air Supply

12	Nut, 3/8-16 Nylon Lock	F05010-10	1	
13	Washer, 3/8" Split Lock	F05011-4	1	
14	Bolt, 3/8-16 x 3/4" Hex Head Grade 5	F05007-118	1	
15	Bolt, 3/8-16 x 3" Hex Head Full Thread	F05007-1	1	
16	Fitting, 1/4" Hex Pipe Nipple	P05389	1	
17	Fitting, 1/2" NPT x 1/4" NPT 90° Elbow	016881	1	
18	Fitting, 1/2" NPT Female Tee	016793	1	
19	Fitting, 1/2" NPT x 1/2" Air 90° Elbow	016880	1	
20	Clamp, 1" EMT	P05436	1	
21	Bolt, 5/16-18 x 1" Hex Head	F05006-1	1	
22	Washer, 5/16" SAE Flat	F05011-17	1	
23	Nut, 5/16-18 Hex Lock	F05010-6	1	

10.11 Turner Down Flow Divider



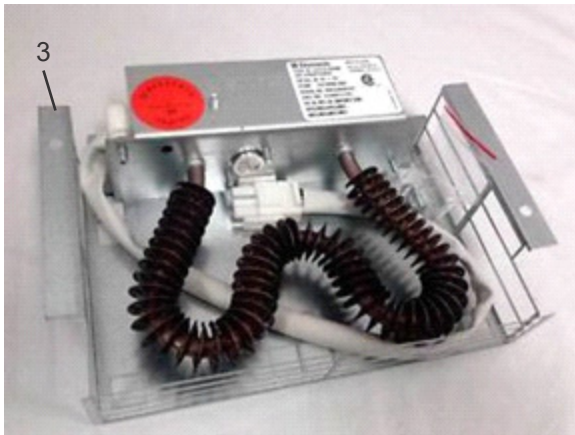
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	DIVIDER ASSEMBLY, TURNER DOWN FLOW	074033	1
1	Flow Divider, Hydraulic	025742	1
2	Fitting, 3/8" O-Ring-3/8" JIC	014687	3
3	Bolt, 1/4-20 x 2" Hex Head Grade 5	F05005-125	2
4	Washer, 1/4" SAE Flat	F05011-11	2
5	Washer, 1/4" Split Lock	F05011-14	2

10.12 Air Conditioning/Heat Assembly (Optional)



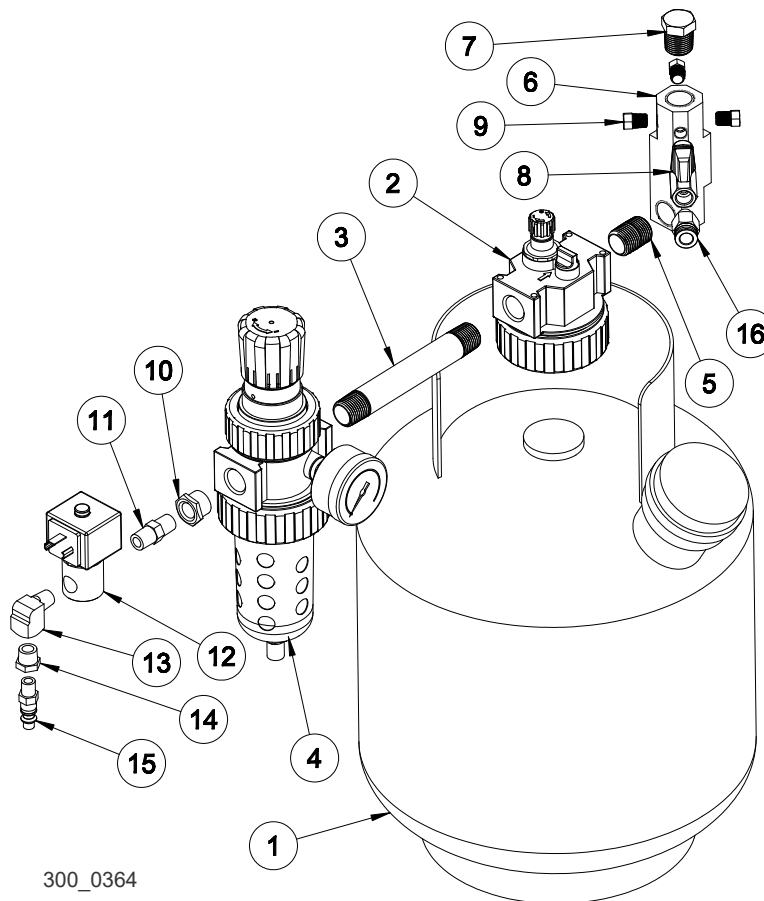
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	AIR CONDITIONING/HEAT ASSEMBLY, CAB (OPTIONAL)	A/C1	1
1	A/C Unit, AC1 (Rev. A4.00)	074118	1
2	Control, A/C1 (Rev. A4.00)	074117	1
	Plug, 13/32 Plastic	014537	10
	Caulk, 10 oz. Tube Clear Silicon	P02616	1
	Clamp, 1/2" Flex Steel Conduit 90 Deg. El	017801	1
	Conduit, 1/2" x 77" Flex Steel	017802	1
	Wire Nut, Yellow	016863	3
	Clamp, 3/4" EMT	P04851	4
	Bolt, 1/4-20 x 1/2" Self Tap Hex Head	F05015-1	4
	Foam, 1/2" x 1" Adhesive Back	R02306	5 ft.
3	Heat Package, A/C1 (Rev. A4.00)	074116	1
4	Drain Kit, A/C1	076000	1

SECTION 11 PRESSURE LUBE SYSTEM

11.1 Pressure Lube System



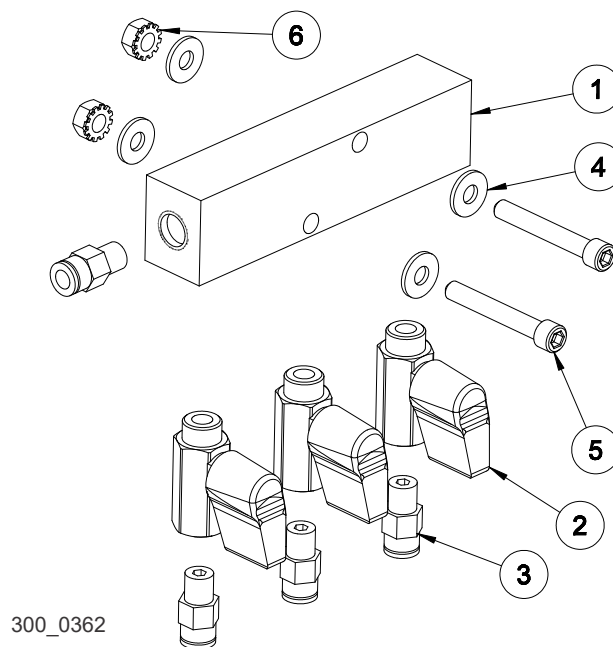
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	TANK ASSEMBLY, SAWMILL LUBE	113137	1
	Lube Kit, Bio	113135	1
1	Tank, Sawmill Lube	113138	1
2	Mister Assembly, Lube Kit	113139	1
3	Fitting, Pipe Nipple 1/2 NPT x 5-1/2"	113140	1
4	Air Regulator Assembly, Lube Kit	113141	1
5	Fitting, 1/2" NPT x Close Nipple Sch40	102292	1
6	Manifold, Lube Kit	113147	1
7	Fitting, Pipe Plug 1/2 NPT	113148	1
8	Ball Valve, Lube Kit	113149	1
9	Fitting, 1/8 NPT Socket Pipe Plug	P30127	3
10	Fitting, 1/2NPTx1/4NPT Hex Bushing	P31321	1

11**Miscellaneous**
Pressure Lube System

11	Nipple, 1/4 Npt Hex	P05389	1	
12	Valve, Solenoid 1/4 NPT Water NC 2 Way	051432	1	
13	Fitting, 1/4 90Deg Brass Street Elbow	P05383	1	
14	Reducer, 1/4npt To 1/8npt	P22680	1	
15	Coupling, 1/8 NPT Male Air	P22681	1	
16	Fitting, 1/8NPTx3/8 TB Straight	P21553	1	
	Bio Lube #210-5	061412	5gal	

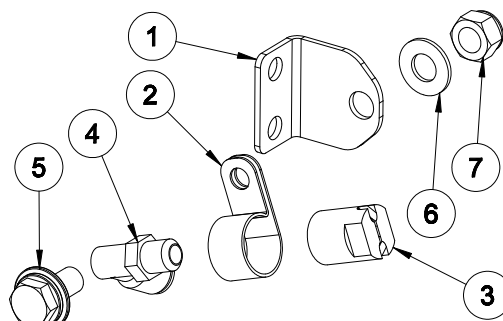
11.2 Lube Manifold Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	MANIFOLD ASSEMBLY, SAWMILL LUBE	113152	1
1	Manifold, 3 Port Lube	113153	1
2	Ball Valve, Lube Kit	113149	3
3	Fitting, 1/8NPTx1/4TB	P03078	4
4	Washer, 1/4 SAE Flat	F05011-11	4
5	Screw, 1/4-20x1 3/4 SHC BO	F05005-156	2
6	Nut, 1/4-20 Keps	F05010-9	2

11 Miscellaneous
Lubie Mister Assembly

11.3 Lubie Mister Assembly



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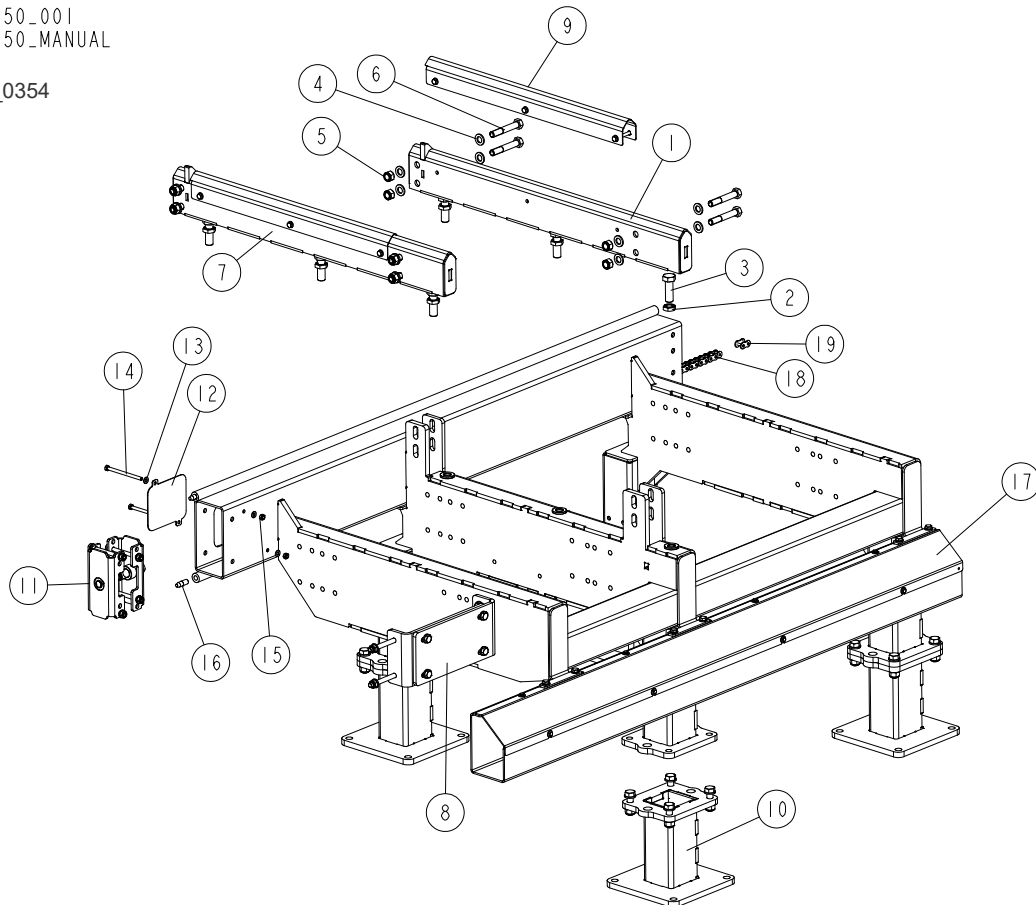
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	MISTER ASSEMBLY, LUBIE	110762	1	
1	Bracket, Lubie Mister	110761	1	
2	Clamp, 5/8 EMT Coated	010748	1	
3	Nozzle, Sawmill Lube	113155	1	
4	Elbow, 90 Deg 1/8MPT 1/4 Tube Swivel	P09736	1	
5	Bolt, 5/16-18x3/4 Hex Head W/Flat&Lock Washer	F05006-101	1	
6	Washer, 5/16 SAE Flat	F05011-17	1	
7	Nut, 5/16-18 Nyl Lock	F05010-58	1	

SECTION 12 BED EXTENSION OPTION

12.1 Bed Extension Complete (BX6)

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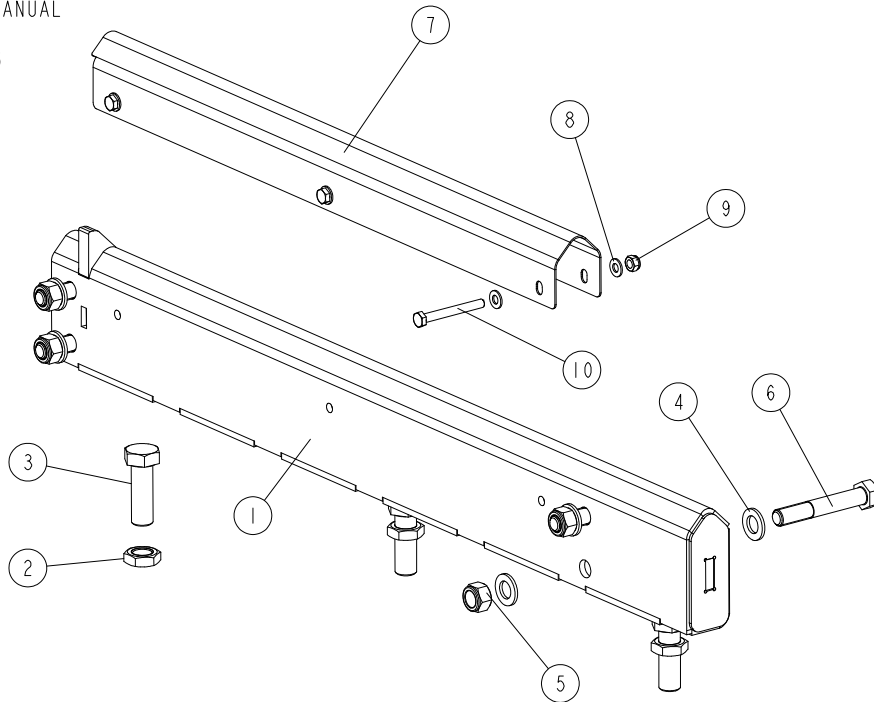
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BED EXTENSION, BX6 WM4500	528250	1
	Frame Weldment, WM4500 Bx6	528160-1	1
	Beam, Cross (No. 3,5 & 6)	523451	1
1	Rail, WM4000 Bed	525555	1
2	Nut, M20 Iso 4035 Thin Zinc	F81037-9	3
3	Bolt, M20x60 8.8 Hex Head Full Thread Zinc	F81007-5	3
4	Washer, 17 Split Lock Zinc	F81058-1	8
5	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	4
6	Bolt, M16x100-8.8 Hex Head Zinc	F81006-60	4
7	Rail, WM4500 Bx - Complete (See Section 12.2)	528158	1
8	Bracket, WM4500 Bx Connection (See Section 12.3)	528244	1
9	Cover, WM4000 Bed Rail - Complete	525563	1

12**Bed Extension***Bed Extension Complete (BX6)*

10	Base, WM4000 Bed Leg - Complete (See Section 7.16)	527370	4	
11	Connector, Bx Complete (See Section 12.4)	501340	1	
12	Plate, Bx6 Frame Cover	512245-1	1	
13	Washer, 8.4 Flat Zinc	F81054-1	4	
14	Bolt, M8x120-8.8 Hex Head Zinc	F81002-25	2	
15	Nut, M8-8-b Hex Nylon Zinc Lock	F81032-2	2	
16	Pin, Special	090675	2	
17	Guide, WM4000 Bx6 Hydraulic Hose - Complete (See Section 12.5)	531170	1	
	Chain, WM4500 Bx6	528253	1	
18	Chain, #60x70 1/2	017840	1	
19	Link, #60 Cl	042398	1	

12.2 Bed Rail (BX6)

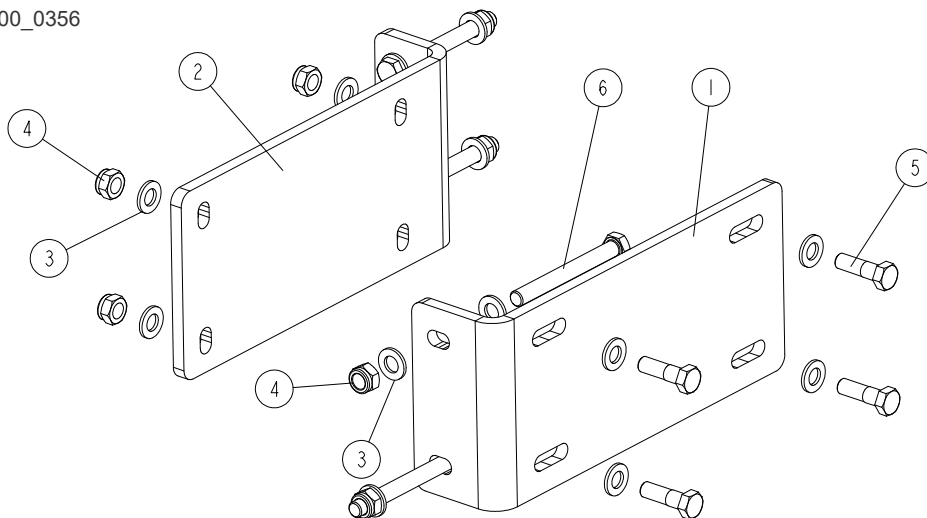
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BED RAIL, WM4500 BX6 BED COMPLETE	528158	1
1	Rail, WM4000 Bed	525555	1
2	Nut, M20 Iso 4035 Thin Zinc	F81037-9	3
3	Bolt, M20x60 8.8 Hex Head Full Thread Zinc	F81007-5	3
4	Washer, 17 Split Lock Zinc	F81058-1	8
5	Nut, M16-8 Hex Nylon Zinc Lock	F81036-2	4
6	Bolt, M16x100-8.8 Hex Head Zinc	F81006-60	4
	Cover, WM4000 Bed Rail - Complete	525563	1
7	Cover, WM4000 Bed Rail	525561	1
8	Washer, 8.4 Flat Zinc	F81054-1	6
9	Nut, M8-8-b Hex Nylon Zinc Lock	F81032-2	3
10	Bolt, M8x70-8.8 Hex Head Zinc	F81002-71	3

12.3 Bed Extension Connection Bracket (BX6)

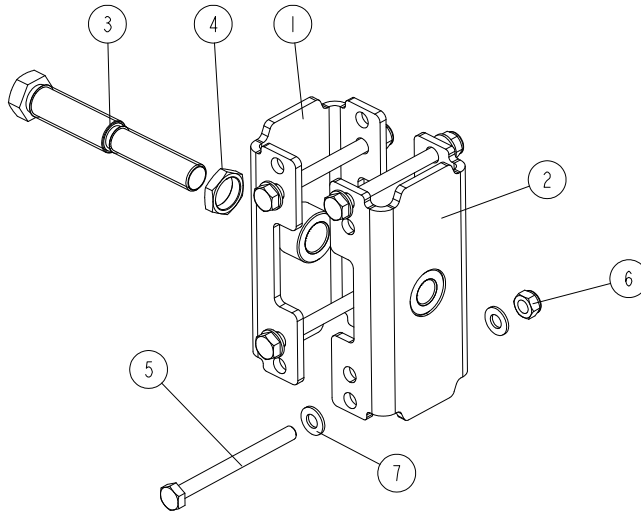
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REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	BRACKET, WM4500 BED EXTENSION CONNECTION	528244	1	
1	Angle, Connection Bracket	528242-1	1	
2	Angle, Connection Bracket	528243-1	1	
3	Washer, 13 Flat Zinc	F81056-1	16	
4	Nut, M12 8 Hex Nylon Zinc Lock	F81034-2	8	
5	Bolt, M12x40-8.8 Hex Head Zinc	F81004-1	4	
6	Bolt, M12x110-8.8-b Hex Head Zinc	F81004-47	4	

12.4 Bed Extension Connector (BX6)

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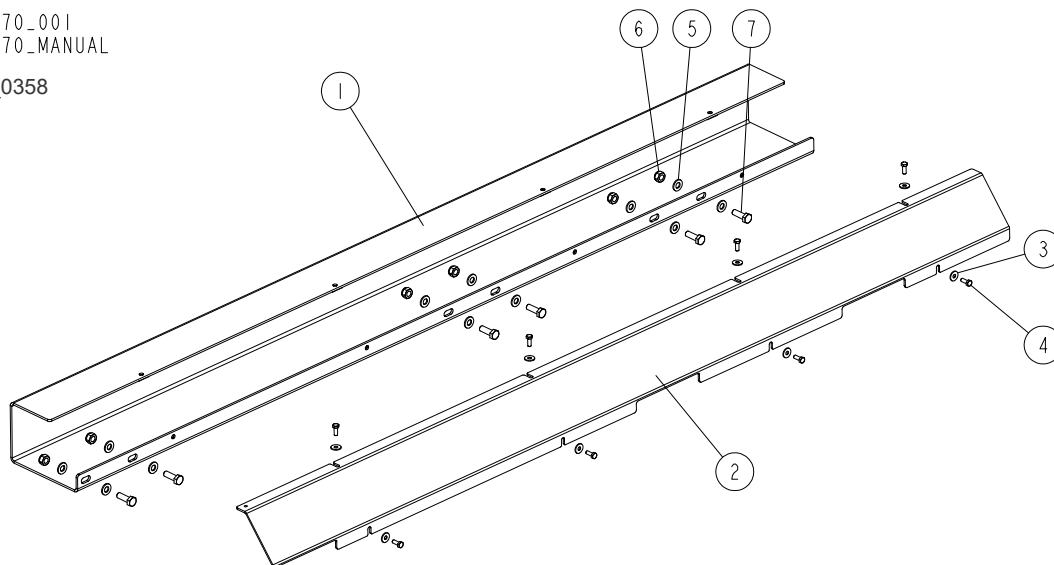
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	CONNECTOR, BED EXTENSION COMPLETE	501340	1
1	Plate Weldment, Bx (M24) Connector	500989-1	1
2	Plate Weldment, Bx (M20) Connector	501339-1	1
3	Bolt, Zinc-plated Special	087188-1	1
4	Nut, M24x2 Lh Zinc-plated Special	087626-1	1
5	Bolt, M10x115-8.8 Hex Head Zinc	F81003-19	4
6	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	4
7	Washer, 10.5 Flat Zinc	F81055-1	8

12 Bed Extension

Bed Extension Complete (BX6)

12.5 Bed Extension Complete (BX6)

531170_001
531170_MANUAL
300_0358



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	GUIDE, WM4000 BX6 HYDRAULIC HOSE COMPLETE	531170	1
1	Guide Weldment, WM4000 Bx6 Hydraulic Hose	531168-1	1
2	Cover, WM4000 Bx6 Hydraulic Hose Guide	531169-1	1
3	Washer, 6.5 Special Flat Zinc	F81053-11	8
4	Bolt, M6x16-8.8 Hex Head Full Thread Zinc	F81001-15	8
5	Washer, 10.5 Flat Zinc	F81055-1	12
6	Nut, M10-8-b Hex Nylon Zinc Lock	F81033-1	6
7	Bolt, Din933-m10x30-8.8-a2e Hex Head	F81003-111	6

INDEX

B

bed extension
complete BX6 12-1, 12-3, 12-4, 12-5, 12-6

bed frame
cable carrier 7-18
wireway 7-16

blade guide arm 2-6

blade guides
drive side assembly 2-4
idle side assembly 2-2
idle side roller 2-1
roller/block kit 2-1

blade wheels
brake actuator & strap 3-6
drive side 3-3, 3-4, 3-5
idle side w/brake 3-2

C

cab option 10-1
front panel 10-6
rear panel 10-2
right panel 10-4
roof 10-8

D

drive assembly
blade motor 4-18
tension system 4-20

drive shaft 3-1

H

hydraulics
log clamp 8-15
power unit 8-1, 8-17, 8-20, 8-21
pump & tank 8-19

L

lube system (optional pressure) 11-1, 11-3, 11-1

M

manuals 9-1

O

operator station
air conditioning/heat 10-12
air supply 10-5, 10-9
flow divider 10-11
frame/rails/ladder 10-1
junction control 10-7
seat/joystick controls 10-3

P

pantograph 9-3, 9-5

parts list
how to use 1-1

power feed
drive 6-6, 6-10
feed chain/stops 6-11
lower track rollers 6-4
lower wireway 6-12
upper roller block 6-3
upper track rollers 6-1

S

saw head

- blow-off assembly 4-6
- board return 4-1
- board return guide 4-2
- covers 4-4
- decals 4-9
- head/air box 4-11, 4-12, 4-14, 4-16, 4-17
- laser assembly 4-7

T

- tools 9-2

U

up/down

- ballscrew mount (middle) 5-5
- ballscrew mount (top) 5-7
- bearing rails 5-9
- drive 5-3
- mast pads/rollers 5-1
- transducer 5-8