

## Parts Manual

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**WM4000**

**rev. A1.00 - B3.01**

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

*February 2013*

*Form #2016*

**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](http://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](http://www.P65Warnings.ca.gov/wood)**.

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**Wood-Mizer**  
8180 West 10th Street  
Indianapolis, Indiana 46214

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## California

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## 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.

| <b>1.2 Sample Assembly</b> |  |           |      |   |
|----------------------------|--|-----------|------|---|
| REF                        | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)         | PART #    | QTY. |   |
|                            | <b>SAMPLE ASSEMBLY, COMPLETE (INCLUDES ALL INDENTED PARTS BELOW)</b> | 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:

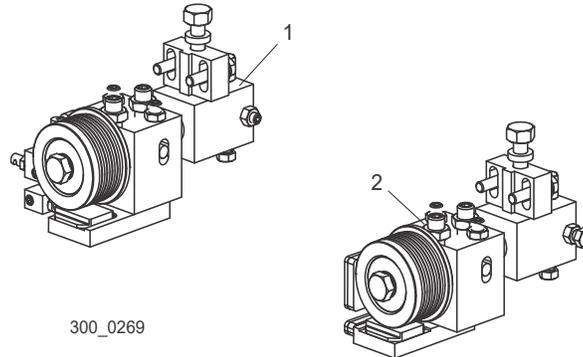
- From the continental U.S., call **1-800-525-8100** to order parts. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

## SECTION 2 BLADE GUIDES & ARM

### 2.1 Blade Guides (Roller/Block, Standard)

WM4000

Rev. A2.00+

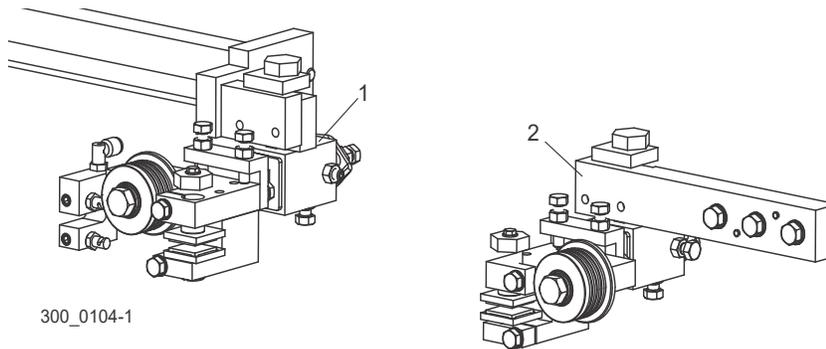


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)                     | PART # | QTY. |
|-----|--|--------|------|
| 1   | INDUSTRIAL MILL IDLE SIDE BLADE GUIDE PARTS ( <a href="#">See Section 2.4</a> )  |        |      |
| 2   | INDUSTRIAL MILL DRIVE SIDE BLADE GUIDE PARTS ( <a href="#">See Section 2.7</a> ) |        |      |

### 2.2 Blade Guide Kit (Roller/Block, Standard)

WM4000

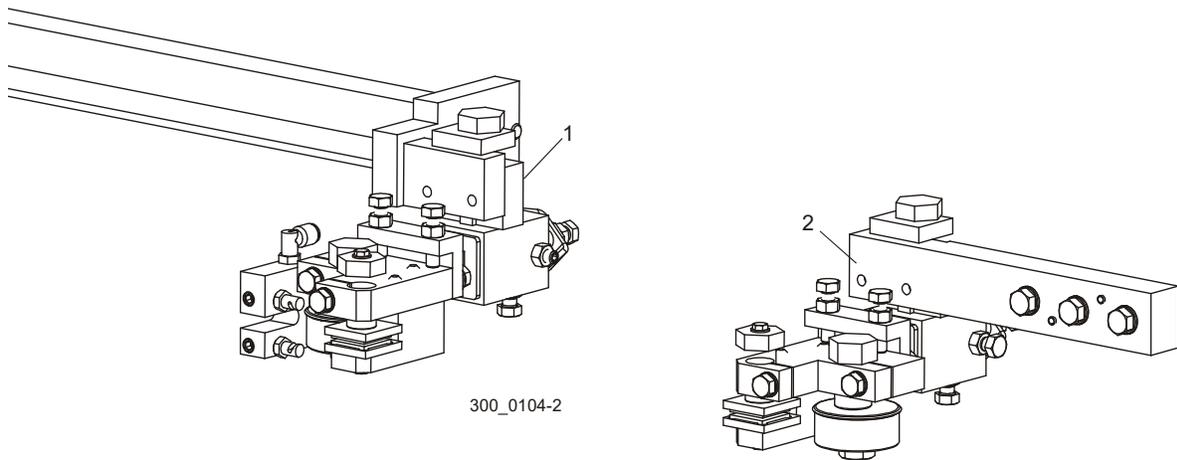
Rev. A1.00



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART # | QTY. |
|-----|--|--------|------|
|     | <b>GUIDE KIT, BLOCK/ROLLER BLADE</b>                             |        |      |
| 1   | Idle Side Blade Guide Parts ( <a href="#">See Section 2.3</a> )  |        |      |
| 2   | Drive Side Blade Guide Parts ( <a href="#">See Section 2.6</a> ) |        |      |

**2** **Blade Guides & Arm**  
*Blade Guide Kit (Block, Optional)*

**2.3 Blade Guide Kit (Block, Optional)**

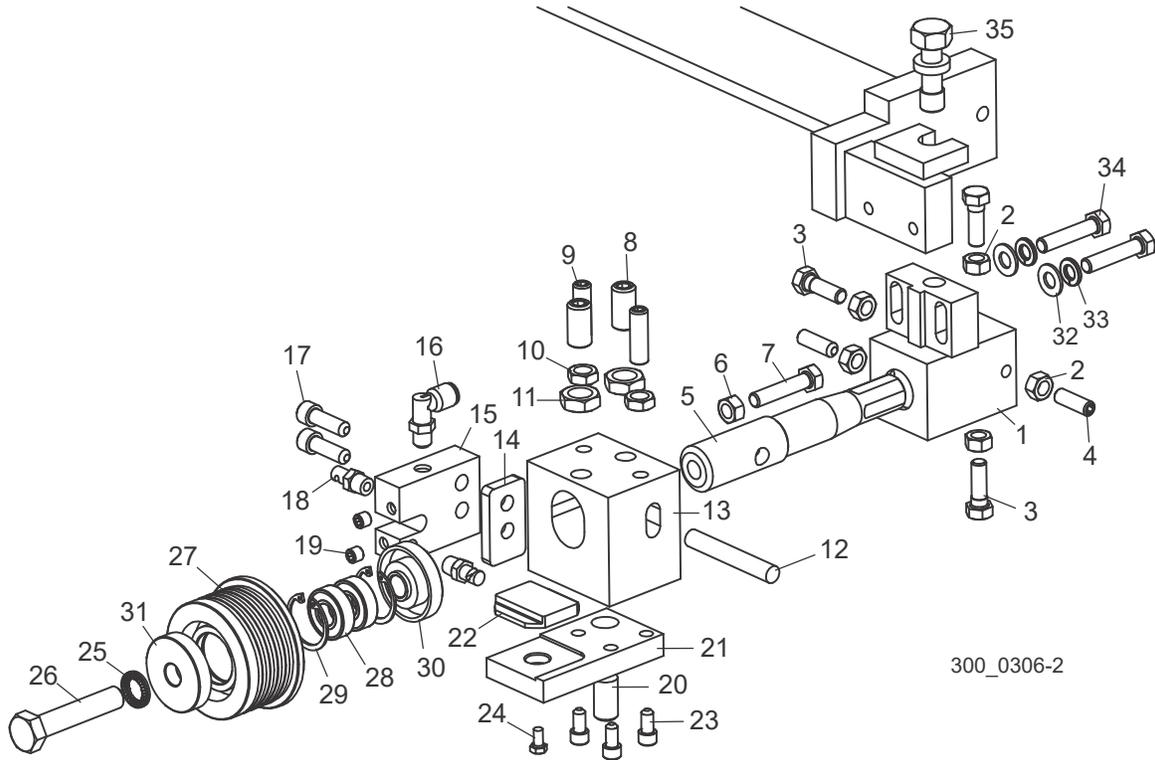


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART # | QTY. |
|-----|--|--------|------|
|     | <b>GUIDE KIT, BLOCK BLADE</b>                                    |        |      |
| 1   | Idle Side Blade Guide Parts ( <a href="#">See Section 2.6</a> )  |        |      |
| 2   | Drive Side Blade Guide Parts ( <a href="#">See Section 2.9</a> ) |        |      |

## 2.4 Blade Guide Assembly, Idle Side (Roller/Block, Standard)

WM4000

Rev. A2.00+



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)    | PART #     | QTY. |
|-----|---|------------|------|
|     | <b>ROLLER/BLOCK ASSEMBLY, INDUSTRIAL MILL IDLE SIDE (OUTER)</b> | 071355     | 1    |
|     | Block Assembly, Industrial Mill Idle Blade Guide Mount          | 074095     | 1    |
| 1   | Block Weldment, Industrial Mill Blade Guide Mount               | 062789     | 1    |
| 2   | Nut, 5/16-18 Hex  | F05010-17  | 5    |
| 3   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                     | F05006-88  | 3    |
| 4   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel Set  | F05006-122 | 2    |
| 5   | Shaft, Blade Guide Roller Mount                                 | 062777     | 1    |
| 6   | Nut, 5/16-18 Hex  | F05010-17  | 1    |
| 7   | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Grade 5             | F05006-76  | 1    |
| 8   | Screw, 1/2-13 x 1" SS Set                                       | F05008-186 | 3    |
| 9   | Screw, 3/8-16 x 1 1/4" SS Set                                   | F05007-239 | 2    |
| 10  | Nut, 3/8-16 Jam   | F05010-29  | 2    |
| 11  | Nut, 1/2-13 Jam   | F05010-31  | 2    |
| 12  | Pin, 3/8" x 2 1-2" Harden Dowel                                 | F05012-143 | 1    |
| 13  | Block, Wear Pad Adjustment                                      | 062778     | 1    |
| 14  | Block, Nozzle Spacer  | 062785     | 1    |
| 15  | Block, Waterlube  | 062781     | 1    |

## 2

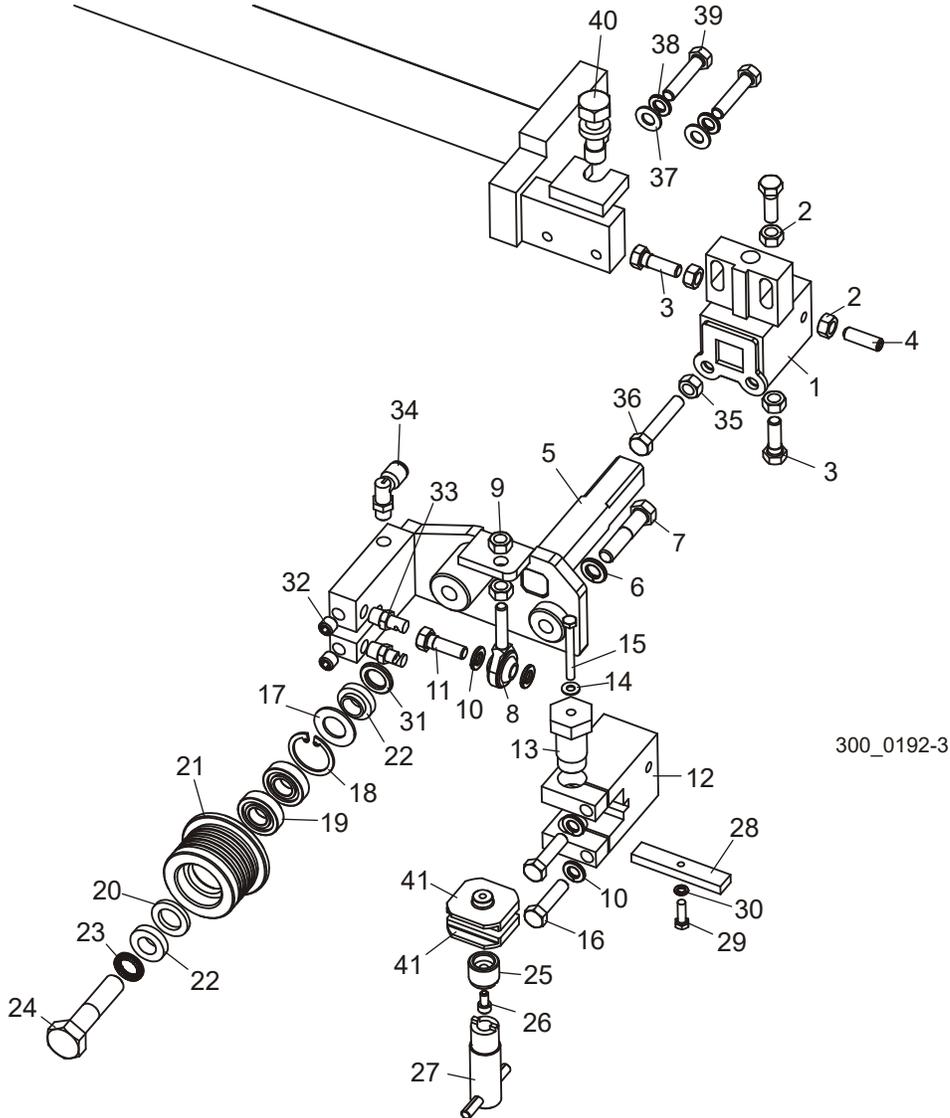
### Blade Guide Assembly, Idle Side (Roller/Block, Standard)

|    |   |            |   |  |
|----|---|------------|---|--|
| 16 | Fitting, 1/8" MPT x 1/4" Tube Swivel Elbow                        | P09736     | 1 |  |
| 17 | Bolt, 5/16-18 x 1" SHC  | F05006-19  | 2 |  |
| 18 | Fitting, Blade Lube Spray Nozzle                                  | 033479     | 2 |  |
| 19 | Plug, 1/16" NPT   | 007734     | 2 |  |
| 20 | Screw, 1/2-13 x 1" SS Set   | F05008-186 | 3 |  |
| 21 | Bloc, Idle Side Pad Holder  | 071064     | 1 |  |
| 22 | Wear Pad, 1.5 Blade Guide   | 052309     | 1 |  |
| 23 | Screw, 1/4-20 x 1/2" SHC  | F05005-39  | 3 |  |
| 24 | Bolt, #10-32 x 3/8" HH SS   | F05004-171 | 1 |  |
| 25 | Washer, 1/2" Nord-Lock  | F05011-125 | 1 |  |
| 26 | Bolt, M12-1.75 x 60 HH CL10.9                                     | F05023-8   | 1 |  |
|    | Roller, TVS Blade Guide   | 500561     | 1 |  |
|    | Roller, HR Blade Guide (Optional for 1 1/4" Blades) (WM4000 Only) | 500499     | 1 |  |
| 27 | Roller, TVS Blade Guide Wide                                      | 500560     | 1 |  |
|    | Roller, HR Blade Guide (Optional for 1 1/4" Blades) (WM4000 Only) | 500098     | 1 |  |
| 28 | Bearing, 6001 2RSR  | 087893     | 2 |  |
| 29 | Ring, W28 Inside Retaining  | F81090-9   | 2 |  |
| 30 | Ring, Zinc-Plated Spacer (For Ext. Roll)                          | 087892-1   | 1 |  |
| 31 | Ring, Zinc-Plated Spacer (For Ext. Roll)                          | 087891-1   | 1 |  |
| 32 | Washer, 5/16" SAE Flat  | F05011-17  | 2 |  |
| 33 | Washer, 5/16" Split Lock  | F05011-13  | 2 |  |
| 34 | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Grade 5               | F05006-76  | 2 |  |
| 35 | Bolt, Blade Guide Vertical Adjustment                             | 035656     | 1 |  |

## 2.5 Blade Guide Assembly, Idle Side (Roller/Block, Standard)

WM4000

Rev. A1.00



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)   | PART #     | QTY. |   |
|-----|--|------------|------|---|
|     | <b>ROLLER/BLOCK ASSEMBLY, IDLE SIDE (OUTER)</b>                | 065933     | 1    | ◆ |
|     | Block Assembly, Blade Guide Mount                              | 036872     | 1    |   |
| 1   | Block Weldment, Blade Guide Mount                              | 036868     | 1    | ◆ |
| 2   | Nut, 5/16-18 Hex   | F05010-17  | 4    |   |
| 3   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                    | F05006-88  | 3    |   |
| 4   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel Set | F05006-122 | 1    |   |
| 5   | Shaft Weldment, Idle Side Guide                                | 036866     | 1    |   |
| 6   | Washer, 3/8" Split Lock  | F05011-4   | 1    |   |

# 2

## Blade Guides & Arm

### Blade Guide Assembly, Idle Side (Roller/Block, Standard)

|    |   |                     |   |   |
|----|---|---------------------|---|---|
| 7  | Bolt, 3/8-16 x 1 3/4" Hex Head Grade 5                                      | F05007-119          | 1 |   |
| 8  | Rod End, 5/16-24 Male   | P09814              | 1 |   |
| 9  | Nut, 5/16-24 Hex Jam  | F05010-28           | 2 |   |
| 10 | Washer, 5/16" Split Lock  | F05011-13           | 4 |   |
| 11 | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                                 | F05006-88           | 1 |   |
| 12 | Block, Guide Block Mount  | 036814              | 1 |   |
| 13 | Bolt, Blade Guide Block Mount   | 035216              | 1 |   |
| 14 | Washer, #10 Brass   | 042867              | 1 |   |
| 15 | Bolt, #10-32 x 1 3/4" Hex Head Stainless Steel                              | F05004-178          | 1 |   |
| 16 | Bolt, 5/16-18 x 1 1/4" Hex Head Stainless Steel                             | F05006-118          | 2 |   |
|    | Roller Assembly, Blade Guide (optional for use with 1 1/4" & 1 1/2" blades) | A04925 <sup>1</sup> | 1 |   |
|    | Roller Assembly, Extended Blade Guide (standard for use with 1 1/2" blades) | 014299 <sup>1</sup> | 1 |   |
|    | Roller Assembly, Extended Blade Guide (optional for use with 1 3/4" blades) | 057441 <sup>1</sup> | 1 |   |
|    | Bearing Kit, Blade Guide Rebuild  | K07079 <sup>1</sup> | 1 |   |
| 17 | Washer, 5/8" White Felt   | P04252              | 1 |   |
| 18 | Ring, 1 1/8" Interior Retaining   | F04254-1            | 1 |   |
| 19 | Bearing, R8-2RS Blade Guide   | 015975              | 2 | ◆ |
| 20 | Washer, 5/8" Gray Felt  | P06455              | 1 |   |
|    | Screw, 1/4-28 x 1/4" Socket Head Cup Point Set Black Oxide                  | F05005-105          | 1 |   |
|    | Instruction Sheet, Blade Guide Rebuild                                      | 057407-1507         | 1 |   |
| 21 | Roller, Flanged Blade Guide (1 1/4" & 1 1/2" blade)                         | S04250              | 1 | ◆ |
|    | Roller, Flanged Blade Guide (1 1/2" blade)                                  | 014243              | 1 | ◆ |
|    | Roller, Flanged Blade Guide (1 3/4" blade)                                  | 037598              | 1 | ◆ |
|    | Instruction Sheet, Blade Guide Roller Replacement                           | A04925-364          | 1 |   |
| 22 | Spacer, Blade Guide   | S04253              | 2 |   |
| 23 | Washer, 1/2" Nord-Lock  | F05011-125          | 1 |   |
| 24 | Bolt, 1/2-13 x 2 1/4" Hex Head Grade 5                                      | F05008-10           | 1 |   |
| 25 | Screw, Lower Block Adjustment   | 044057              | 1 |   |
| 26 | Screw, #10-32 x 3/8" Socket Head Stainless Steel                            | F05004-200          | 1 |   |
| 27 | Tool, Lower Block Adjustment  | 044064              | 1 |   |
| 28 | Block, Blade Guide Alignment  | 035799              | 1 |   |
| 29 | Screw, #10-32 x 5/8" Hex Head   | F05004-152          | 1 |   |
| 30 | Washer, #10 Split Lock  | F05011-20           | 1 |   |
| 31 | Spacer, 1/2" ID x 7/8" OD x 1/8" Thick (for 1 1/2" blades only)             | 052364              | 1 |   |
| 32 | Fitting, 1/8" NPT Socket Pipe Plug  | P30127              | 2 |   |
| 33 | Fitting, Blade Lube Spray Nozzle  | 033479              | 2 |   |
| 34 | Fitting, 1/8" MPT x 1/4" Tube Swivel Elbow                                  | P09736              | 1 |   |
| 35 | Nut, 5/16-18 Hex  | F05010-17           | 1 |   |
| 36 | Bolt, 5/16-18 x 1 3/4" Hex Head Full Thread Grade 5                         | F05006-81           | 1 |   |
| 37 | Washer, 5/16" SAE Flat  | F05011-17           | 2 |   |
| 38 | Washer, 5/16" Split Lock  | F05011-13           | 2 |   |
| 39 | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Grade 5                         | F05006-76           | 2 |   |

|           |   |                     |   |  |
|-----------|---|---------------------|---|--|
| <b>40</b> | Bolt, Blade Guide Vertical Adjustment                                 | 035656              | 1 |  |
| <b>41</b> | <b>BLOCK, BLADE GUIDE WEAR (STANDARD FOR 1 1/2" OR 1 3/4" BLADES)</b> | 052309 <sup>2</sup> | 2 |  |
|           | <b>BLOCK ASSEMBLY, 1" SQ. EZ-GLIDE WEAR</b>                           | 036347 <sup>2</sup> | 2 |  |
|           | <b>SHIM, .008" CERAMIC INSERT SPACER</b>                              | 035248              | 1 |  |

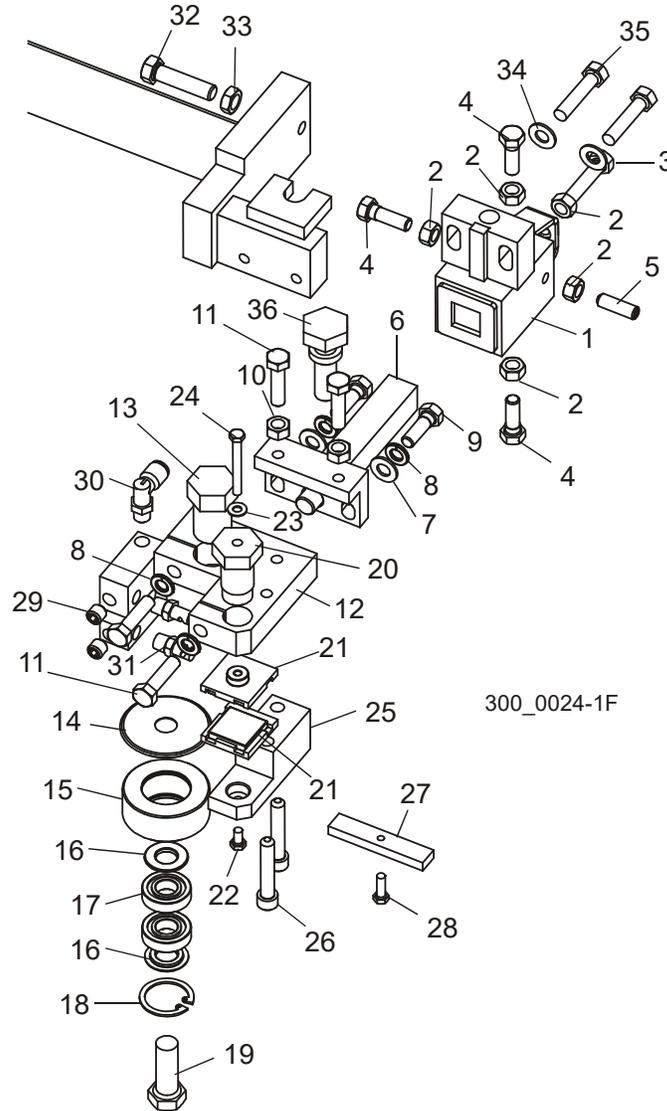
<sup>1</sup> The sawmill is equipped standard with blade guide rollers that can be used with the standard 1 1/2" blade. Optional blade guide rollers are available for use with 1 1/4" blades or 1 3/4". The optional rollers may provide more stability during difficult sawing, but will reduce the total amount of times the blade can be reused after sharpening. Order one additional Blade Guide Bearing 015975 in addition to K07079 Rebuild Kit to service 1 3/4" roller.

<sup>2</sup> 052309 blocks for use with 1 1/2" blade provided as standard equipment or optional 1 3/4" blade. 052355 blocks available for optional use with 1 1/4" blades. EZ-Glide blocks 036347 are available for customers who prefer this block (requires spacer 052364 for use with 1 1/4" blades).

## 2 Blade Guides & Arm

Blade Guide Assembly, Idle Side (Block, Optional)

### 2.6 Blade Guide Assembly, Idle Side (Block, Optional)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>GUIDE ASSEMBLY, IDLE SIDE BLOCK/ROLLER</b>                | 035200     | 1    |
|     | Block Assembly, Idle Side Blade Guide                        | 036099     | 1    |
| 1   | Block Weldment, Blade Guide Mount                            | 035219     | 1 ◆  |
| 2   | Nut, 5/16-18 Hex   | F05010-17  | 5    |
| 3   | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Stainless Steel  | F05006-119 | 1    |
| 4   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                  | F05006-88  | 3    |
| 5   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel   | F05006-122 | 1    |
| 6   | Shaft Weldment, Block Guide Pivot                            | 035209     | 1    |
| 7   | Washer, 5/16" SAE Flat                                       | F05011-17  | 2    |

## Blade Guides & Arm 2

*Blade Guide Assembly, Idle Side (Block, Optional)*

|    |  |                        |   |   |
|----|--|------------------------|---|---|
| 8  | Washer, 5/16" Split Lock                                       | F05011-13              | 4 |   |
| 9  | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                    | F05006-88              | 2 |   |
| 10 | Nut, 5/16-18 Hex   | F05010-17              | 2 |   |
| 11 | Bolt, 5/16-18 x 1 1/4" Hex Head Stainless Steel                | F05006-118             | 4 |   |
| 12 | Block Weldment, Upper Blade Guide                              | 035206                 | 1 |   |
| 13 | Bolt, Blade Guide Roller Mount                                 | 035215                 | 1 |   |
| 14 | Hood, Blade Guide Back Roller                                  | 042848                 | 1 |   |
|    | Roller Assembly, Blade Guide                                   | 023977                 | 1 |   |
| 15 | Housing, Blade Guide Roller                                    | 017223                 | 1 | ◆ |
| 16 | Spacer, Blade Guide Roller                                     | 018948                 | 2 |   |
| 17 | Bearing, R8-2RS Blade Guide                                    | 015975                 | 2 |   |
| 18 | Ring, 1 1/8" IR 3000x112 Retaining                             | F04254-1               | 1 |   |
| 19 | Bolt, 1/2-13 x 1 1/2" Hex Head                                 | F05008-4               | 1 |   |
| 20 | Bolt, Blade Guide Block Mount                                  | 035216                 | 1 |   |
| 21 | Block, Blade Guide Wear (Standard for 1 1/2" or 1 3/4" Blades) | 052309 <sup>1</sup>    | 2 |   |
|    | Block, Blade Guide Wear (Optional for 1 1/4" Blades)           | 052355 <sup>1</sup>    | 2 |   |
|    | Disk Assembly, 1" Sq. EZ-Glide Wear                            | 036347 <sup>1</sup>    | 2 |   |
| 22 | Bolt, #10-32x1/2 HH  | F05004-60 <sup>2</sup> | 1 |   |
|    | Screw, #10-32 x 3/8" Hex Head Stainless Steel                  | F05004-171             | 1 |   |
| 23 | Washer, #10 Brass  | 042867                 | 1 |   |
| 24 | Bolt, #10-32 x 1 3/4" Hex Head Stainless Steel                 | F05004-178             | 1 |   |
| 25 | Block, Lower Blade Guide                                       | 035213                 | 1 |   |
| 26 | Screw, 5/16-18 x 1 3/4" Socket Head                            | F05006-65              | 2 |   |
| 27 | Block, Blade Guide Alignment                                   | 035799                 | 1 |   |
| 28 | Screw, #10-32 x 5/8" Hex Head                                  | F05004-152             | 1 |   |
| 29 | Fitting, 1/8" NPT Socket Pipe Plug                             | P30127                 | 2 |   |
| 30 | Fitting, 1/8" MPT x 1/4" Tube Swivel Elbow                     | P09736                 | 1 |   |
| 31 | Fitting, Blade Lube Spray Nozzle                               | 033479                 | 2 |   |
| 32 | <b>BOLT, 3/8-16 X 1 1/2" HEX HEAD FULL THREAD</b>              | F05007-17              | 1 |   |
| 33 | <b>NUT, 3/8-16 HEX JAM</b>                                     | F05010-29              | 1 |   |
| 34 | <b>WASHER, 5/16" SAE FLAT</b>                                  | F05011-17              | 2 |   |
| 35 | <b>BOLT, 5/16-18 X 1 1/2" HEX HEAD</b>                         | F05008-96              | 2 |   |
| 36 | <b>BOLT, BLADE GUIDE VERTICAL ADJUSTMENT</b>                   | 035656                 | 1 |   |

<sup>1</sup> 052309 blocks for use with 1 1/2" blades provided as standard equipment or optional 1 3/4" blades. 052355 blocks available for optional use with 1 1/4" blades. EZ-Glide blocks 036347 are available for customers who prefer this block.

<sup>2</sup> F05004-60 replaced F05004-171 after 12/14/2021 per ECN 38285.



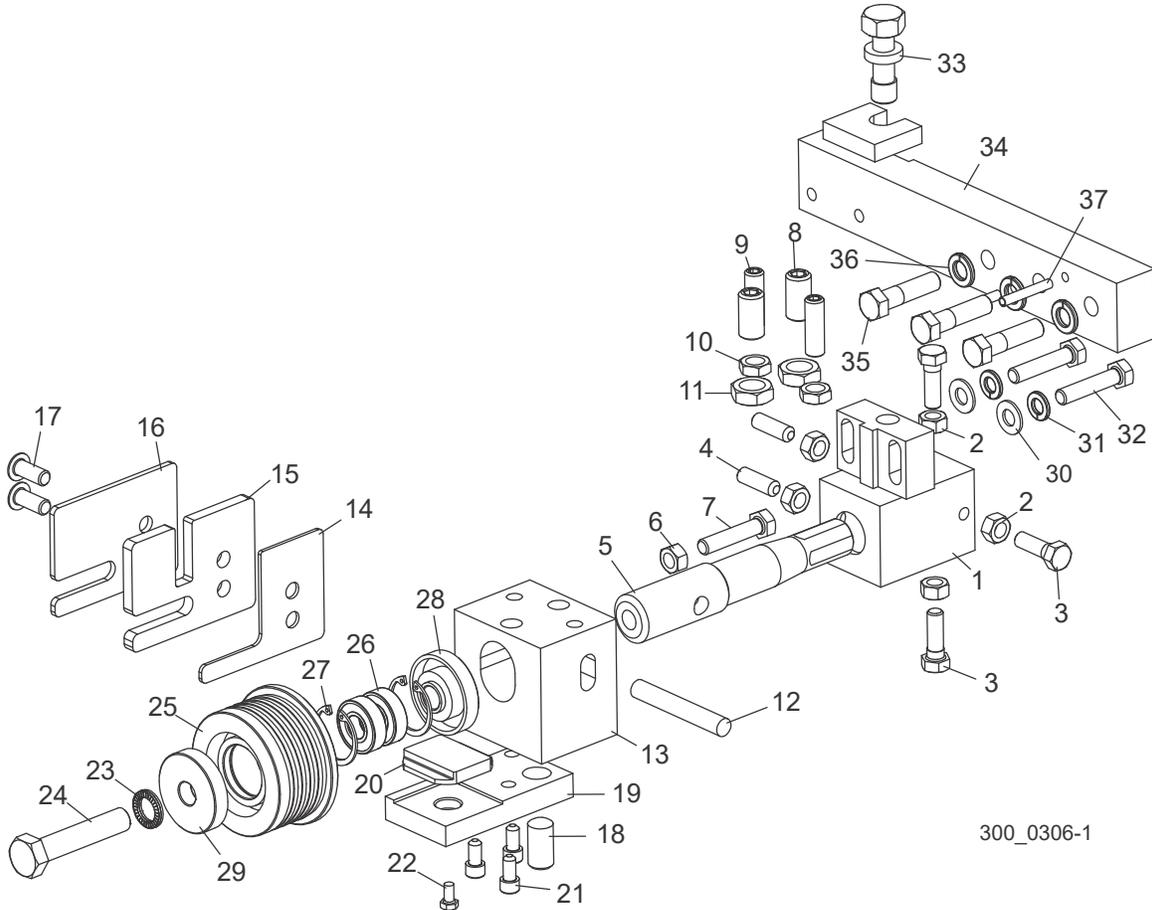
## Blade Guides & Arm

Blade Guide Assembly, Drive Side (Roller/Block, Standard)

### 2.7 Blade Guide Assembly, Drive Side (Roller/Block, Standard)

WM4000

Rev. A2.00+



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>ROLLER/BLOCK ASSEMBLY, INDUSTRIAL MILL DRIVE SIDE (INNER)</b> | 071354     | 1    |
|     | Block Assembly, Industrial Mill Blade Guide Mount                | 074094     | 1    |
| 1   | Block Weldment, Industrial Mill Blade Guide Mount                | 062789     | 1    |
| 2   | Nut, 5/16-18 Hex   | F05010-17  | 5    |
| 3   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                      | F05006-88  | 3    |
| 4   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel Set   | F05006-122 | 1    |
| 5   | Shaft, Blade Guide Roller Mount                                  | 062777     | 1    |
| 6   | Nut, 5/16-18 Hex   | F05010-17  | 2    |
| 7   | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Grade 5              | F05006-76  | 3    |
| 8   | Screw, 1/2-13 x 1" SS Set  | F05008-186 | 3    |
| 9   | Screw, 3/8-16 x 1 1/4" SS Set                                    | F05007-239 | 2    |
| 10  | Nut, 3/8-16 Jam  | F05010-29  | 2    |
| 11  | Nut, 1/2-13 Jam  | F05010-31  | 2    |
| 12  | Pin, 3/8" x 2 1-2" Harden Dowel                                  | F05012-143 | 1    |
| 13  | Block, Wear Pad Adjustment                                       | 062778     | 1    |

|    |   |                     |   |  |
|----|---|---------------------|---|--|
| 14 | Plate, Inside Blade Shield  | 071356              | 1 |  |
| 15 | Plate, Middle Blade Shield  | 062787              | 1 |  |
| 16 | Plate, Outside Blade Shield                                       | 062788              | 1 |  |
| 17 | Screw, 5/16-18 x 3/4" BHSC SS                                     | F05006-84           | 2 |  |
| 18 | Screw, 1/2-13 x 1" SS Set   | F05008-186          | 3 |  |
| 19 | Bloc, Drive Side Pad Holder                                       | 062791              | 1 |  |
| 20 | Wear Pad, 1.5 Blade Guide   | 052309              | 1 |  |
| 21 | Screw, 1/4-20 x 1/2" SHC  | F05005-39           | 3 |  |
| 22 | Bolt, #10-32 x 3/8" HH SS   | F05004-171          | 1 |  |
| 23 | Washer, 1/2" Nord-Lock  | F05011-125          | 1 |  |
| 24 | Bolt, M12-1.75 x 60 HH CL10.9                                     | F05023-8            | 1 |  |
|    | Roller, TVS Blade Guide   | 500561              | 1 |  |
|    | Roller, HR Blade Guide (Optional for 1 1/4" Blades) (WM4000 Only) | 500499              | 1 |  |
| 25 | Roller, TVS Blade Guide Wide                                      | 500560              | 1 |  |
|    | Roller, HR Blade Guide (Optional for 1 1/4" Blades) (WM4000 Only) | 500098              | 1 |  |
| 26 | Bearing, 6001 2RSR  | 087893              | 2 |  |
| 27 | Ring, W28 Inside Retaining  | F81090-9            | 2 |  |
| 28 | Ring, Zinc-Plated Spacer (For Ext. Roll)                          | 087892-1            | 1 |  |
| 29 | Ring, Zinc-Plated Spacer (For Ext. Roll)                          | 087891-1            | 1 |  |
| 30 | Washer, 5/16" SAE Flat  | F05011-17           | 2 |  |
| 31 | Washer, 5/16" Split Lock  | F05011-13           | 2 |  |
| 32 | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Grade 5               | F05006-76           | 2 |  |
| 33 | Bolt, Blade Guide Vertical Adjustment                             | 035656              | 1 |  |
| 34 | <b>ARM WELDMENT, DRIVE SIDE BLADE GUIDE</b>                       | 074987 <sup>1</sup> | 1 |  |
| 35 | <b>BOLT, 1/2-20 X 1 1/2" HEX HEAD GRADE 5</b>                     | F05008-53           | 3 |  |
| 36 | <b>WASHER, 1/2" SPLIT LOCK</b>                                    | F05011-9            | 3 |  |
| 37 | <b>PIN, 3/16X1 1/4 ROLL</b>                                       | F05012-16           | 2 |  |

<sup>1</sup> 074987 replaced 035658 Arm Weldment to improve durability (WM4000 Rev. A6.04). On mills prior to WM4000 Rev. A6.04 the weld nuts, to secure the arm to the saw head, may become stripped causing the blade guide assembly to get loose. Use 079074 Drive Side Install Kit (including 079073 Mount Bar and fasteners) to retrofit mills prior to WM4000 Rev. A6.04 to better secure the 035658 Blade Guide Mounting Arm Weldment.



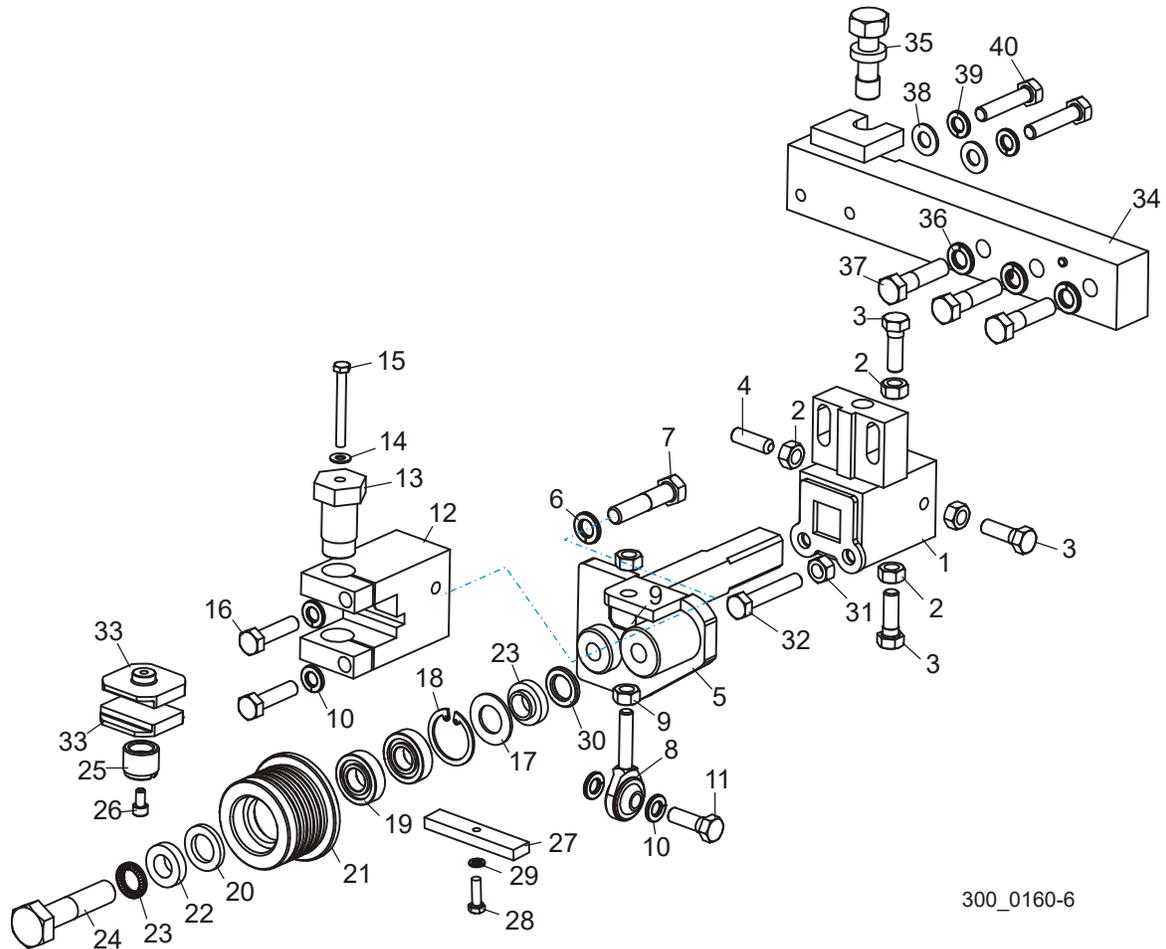
## Blade Guides & Arm

Blade Guide Assembly, Drive Side (Roller/Block, Standard)

### 2.8 Blade Guide Assembly, Drive Side (Roller/Block, Standard)

WM4000

Rev. A1.00



300\_0160-6

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)   | PART #     | QTY. |   |
|-----|--|------------|------|---|
|     | <b>ROLLER/BLOCK ASSEMBLY, DRIVE SIDE (INNER)</b>               | 065934     | 1    | ◆ |
|     | Block Assembly, Blade Guide Mount                              | 036867     | 1    |   |
| 1   | Block Weldment, Blade Guide Mount                              | 036868     | 1    | ◆ |
| 2   | Nut, 5/16-18 Hex   | F05010-17  | 4    |   |
| 3   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                    | F05006-88  | 3    |   |
| 4   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel Set | F05006-122 | 1    |   |
| 5   | Shaft Weldment, Drive Side Guide                               | 036865     | 1    |   |
| 6   | Washer, 3/8" Split Lock  | F05011-4   | 1    |   |
| 7   | Bolt, 3/8-16 x 1 3/4" Hex Head Grade 5                         | F05007-119 | 1    |   |
| 8   | Rod End, 5/16-24 Male  | P09814     | 1    |   |
| 9   | Nut, 5/16-24 Hex Jam   | F05010-28  | 2    |   |
| 10  | Washer, 5/16" Split Lock                                       | F05011-13  | 4    |   |
| 11  | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                    | F05006-88  | 1    |   |
| 12  | Block, Guide Block Mount                                       | 036814     | 1    |   |

|    |   |                     |   |   |
|----|---|---------------------|---|---|
| 13 | Bolt, Blade Guide Block Mount   | 035216              | 1 |   |
| 14 | Washer, #10 Brass   | 042867              | 1 |   |
| 15 | Bolt, #10-32 x 1 3/4" Hex Head Stainless Steel                              | F05004-178          | 1 |   |
| 16 | Bolt, 5/16-18 x 1 1/4" Hex Head Stainless Steel                             | F05006-118          | 2 |   |
|    | Roller Assembly, Blade Guide (optional for use with 1 1/4" & 1 1/2" blades) | A04925 <sup>1</sup> | 1 |   |
|    | Roller Assembly, Extended Blade Guide (standard for use with 1 1/2" blades) | 014299 <sup>1</sup> | 1 |   |
|    | Roller Assembly, Extended Blade Guide (optional for use with 1 3/4" blades) | 057441 <sup>1</sup> | 1 |   |
|    | Bearing Kit, Blade Guide Rebuild  | K07079 <sup>1</sup> | 1 |   |
| 17 | Washer, 5/8" White Felt   | P04252              | 1 |   |
| 18 | Ring, 1 1/8" Interior Retaining   | F04254-1            | 1 |   |
| 19 | Bearing, R8-2RS Blade Guide   | 015975              | 2 | ◆ |
| 20 | Washer, 5/8" Gray Felt  | P06455              | 1 |   |
|    | Screw, 1/4-28 x 1/4" Socket Head Cup Point Set Black Oxide                  | F05005-105          | 1 |   |
|    | Instruction Sheet, Blade Guide Rebuild                                      | 057407-1507         | 1 |   |
| 21 | Roller, Flanged Blade Guide (1 1/4" & 1 1/2" blade)                         | S04250              | 1 | ◆ |
|    | Roller, Flanged Blade Guide (1 1/2" blade)                                  | 014243              | 1 | ◆ |
|    | Roller, Flanged Blade Guide (1 3/4" blade)                                  | 037598              | 1 | ◆ |
|    | Instruction Sheet, Blade Guide Roller Replacement                           | A04925-364          | 1 |   |
| 22 | Spacer, Blade Guide   | S04253              | 2 |   |
| 23 | Washer, 1/2" Nord-Lock  | F05011-125          | 1 |   |
| 24 | Bolt, 1/2-13 x 2 1/4" Hex Head Grade 5                                      | F05008-10           | 1 |   |
| 25 | Screw, Lower Block Adjustment   | 044057              | 1 |   |
| 26 | Screw, #10-32 x 3/8" Socket Head Stainless Steel                            | F05004-200          | 1 |   |
| 27 | Block, Blade Guide Alignment  | 035799              | 1 |   |
| 28 | Screw, #10-32 x 5/8" Hex Head   | F05004-152          | 1 |   |
| 29 | Washer, #10 Split Lock  | F05011-20           | 1 |   |
| 30 | Spacer, 1/2" ID x 7/8" OD x 1/8" Thick (for 1 1/2" blades only)             | 052364              | 1 |   |
| 31 | Nut, 5/16-18 Hex  | F05010-17           | 1 |   |
| 32 | Bolt, 5/16-18 x 1 3/4" Hex Head Full Thread Grade 5                         | F05006-81           | 1 |   |
| 33 | <b>BLOCK, BLADE GUIDE WEAR (STANDARD FOR 1 1/2" OR 1 3/4" BLADES)</b>       | 052309 <sup>2</sup> | 2 |   |
|    | <b>BLOCK, BLADE GUIDE WEAR (OPTIONAL FOR 1 1/4" BLADES)</b>                 | 052355 <sup>2</sup> | 2 |   |
|    | <b>BLOCK ASSEMBLY, 1" SQ. EZ-GLIDE WEAR</b>                                 | 036347 <sup>2</sup> | 2 |   |
| 34 | <b>ARM WELDMENT, DRIVE SIDE BLADE GUIDE</b>                                 | 035658              | 1 |   |
| 35 | <b>BOLT, BLADE GUIDE VERTICAL ADJUSTMENT</b>                                | 035656              | 1 |   |
| 36 | <b>WASHER, 3/8" SPLIT LOCK</b>  | F05011-4            | 3 |   |
| 37 | <b>BOLT, 3/8-16 X 1 1/2" HEX HEAD GRADE 5</b>                               | F05007-78           | 3 |   |
|    | <b>SHIM, .008" CERAMIC INSERT SPACER</b>                                    | 035248              | 1 |   |
| 38 | <b>WASHER, 5/16" SAE FLAT</b>   | F05011-17           | 2 |   |
| 39 | <b>WASHER, 5/16" SPLIT LOCK</b>   | F05011-13           | 2 |   |
| 40 | <b>BOLT, 5/16-18 X 1 1/2" HEX HEAD FULL THREAD GRADE 5</b>                  | F05006-76           | 2 |   |

## 2

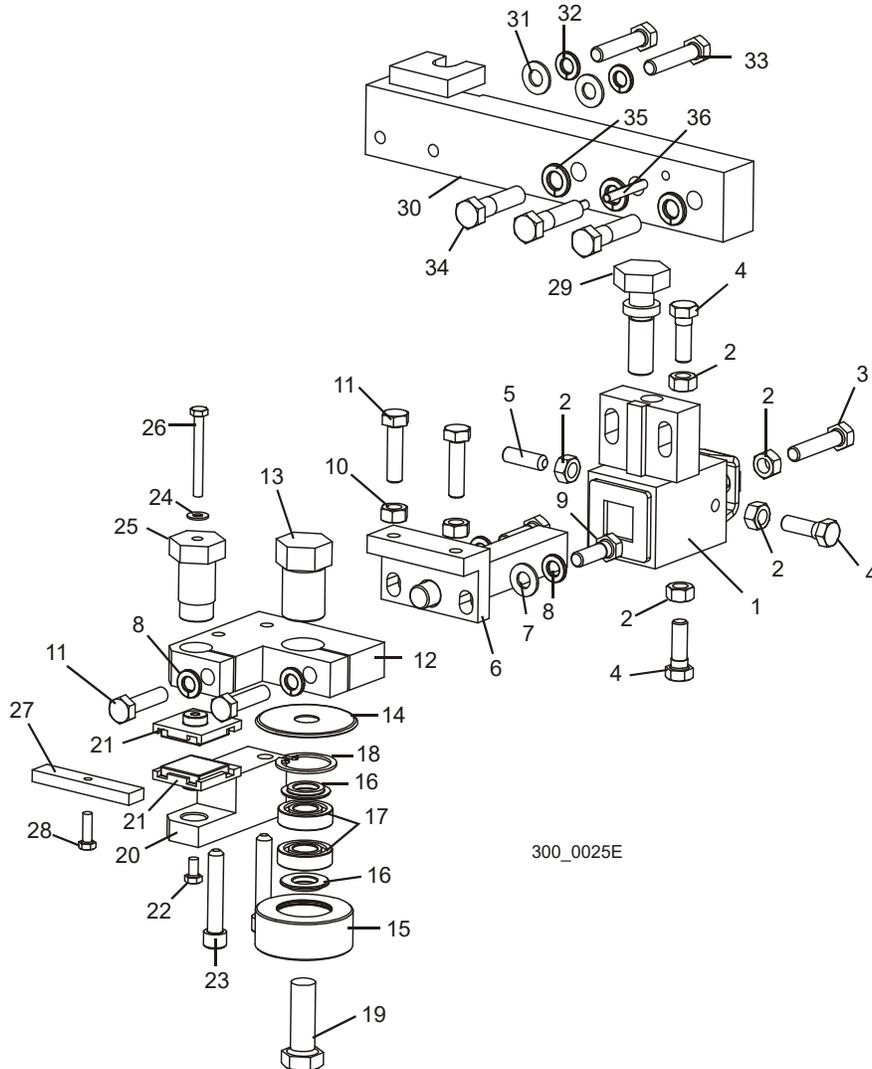
### **Blade Guides & Arm**

#### *Blade Guide Assembly, Drive Side (Roller/Block, Standard)*

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- <sup>1</sup> The sawmill is equipped standard with blade guide rollers that can be used with the standard 1 1/2" blade. Optional blade guide rollers are available for use with 1 1/4" blades or 1 3/4". The optional rollers may provide more stability during difficult sawing, but will reduce the total amount of times the blade can be reused after sharpening. Order one additional Blade Guide Bearing 015975 in addition to K07079 Rebuild Kit to service 1 3/4" roller.
- <sup>2</sup> 052309 blocks for use with 1 1/2" blade provided as standard equipment or optional 1 3/4" blade. 052355 blocks available for optional use with 1 1/4" blades. EZ-Glide blocks 036347 are available for customers who prefer this block (requires spacer 052364 for use with 1 1/4" blades).

## 2.9 Blade Guide Assembly, Drive Side (Block, Optional)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)   | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>GUIDE ASSEMBLY, DRIVE SIDE BLOCK/ROLLER</b>                 | 035201     | 1    |
|     | Block Assembly, Blade Guide Mount                              | 036100     | 1    |
| 1   | Block Weldment, Blade Guide Mount                              | 035219     | 1 ◆  |
| 2   | Nut, 5/16-18 Hex   | F05010-17  | 5    |
| 3   | Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread Stainless Steel    | F05006-119 | 1    |
| 4   | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                    | F05006-88  | 3    |
| 5   | Screw, 5/16-18 x 1" Socket Head Flat Point Stainless Steel Set | F05006-122 | 1    |
| 6   | Shaft Weldment, Block Guide Pivot                              | 035209     | 1    |
| 7   | Washer, 5/16" SAE Flat   | F05011-17  | 2    |
| 8   | Washer, 5/16" Split Lock                                       | F05011-13  | 4    |

# 2

## Blade Guides & Arm

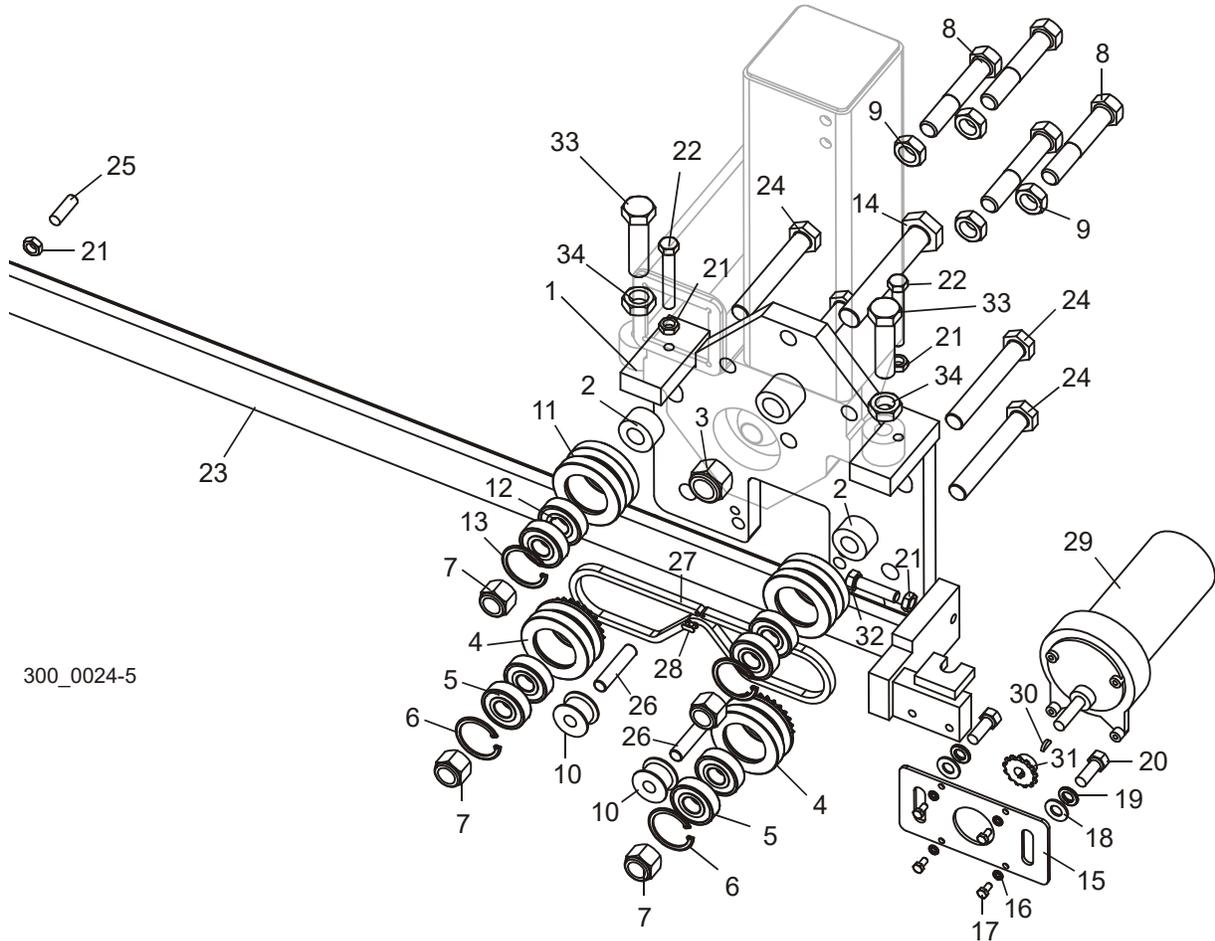
### Blade Guide Assembly, Drive Side (Block, Optional)

|    |  |                     |   |   |
|----|--|---------------------|---|---|
| 9  | Bolt, 5/16-18 x 1" Hex Head Stainless Steel                        | F05006-88           | 2 |   |
| 10 | Nut, 5/16-18 Hex   | F05010-17           | 2 |   |
| 11 | Bolt, 5/16-18 x 1 1/4" Hex Head Stainless Steel                    | F05006-118          | 4 |   |
| 12 | Block Weldment, Upper Blade Guide                                  | 035207              | 1 |   |
| 13 | Bolt, Blade Guide Roller Mount                                     | 035215              | 1 |   |
| 14 | Hood, Blade Guide Back Roller                                      | 042848              | 1 |   |
|    | Roller Assembly, Blade Guide                                       | 023977              | 1 |   |
| 15 | Housing, Blade Guide Roller  | 017223              | 1 | ◆ |
| 16 | Spacer, Blade Guide Roller   | 018948              | 2 |   |
| 17 | Bearing, R8-2RS Blade Guide  | 015975              | 2 |   |
| 18 | Ring, 1 1/8" IR 3000x112 Retaining                                 | F04254-1            | 1 |   |
| 19 | Bolt, 1/2-13 x 1 1/2" Hex Head                                     | F05008-4            | 1 |   |
| 20 | Block, Lower Blade Guide   | 035214              | 1 |   |
| 21 | Block, Blade Guide Wear (Standard for 1 1/2" or 1 3/4" Blades)     | 052309 <sup>1</sup> | 2 |   |
|    | Block, Blade Guide Wear (Optional for 1 1/4" Blades)               | 052355 <sup>1</sup> | 2 |   |
|    | Disk Assembly, 1" Sq. EZ-Glide Wear                                | 036347 <sup>1</sup> | 2 |   |
| 22 | Screw, #10-32 x 3/8" Hex Head Stainless Steel                      | F05004-171          | 1 |   |
| 23 | Screw, 5/16-18 x 1 3/4" Socket Head                                | F05006-65           | 2 |   |
| 24 | Washer, #10 Brass  | 042867              | 1 |   |
| 25 | Bolt, Blade Guide Block Mount                                      | 035216              | 1 |   |
| 26 | Bolt, #10-32 x 1 3/4" Hex Head Stainless Steel                     | F05004-178          | 1 |   |
| 27 | Block, Blade Guide Alignment                                       | 035799              | 1 |   |
| 28 | Screw, #10-32 x 5/8" Hex Head                                      | F05004-152          | 1 |   |
| 29 | <b>BOLT, BLADE GUIDE VERTICAL ADJUSTMENT</b>                       | 035656              | 1 |   |
| 30 | <b>ARM WELDMENT, DRIVE SIDE BLADE GUIDE MOUNT</b>                  | 074987 <sup>2</sup> | 1 |   |
| 31 | <b>WASHER, 5/16" SAE FLAT</b>                                      | F05011-17           | 2 |   |
| 32 | <b>WASHER, 5/16" SPLIT LOCK</b>                                    | F05011-13           | 2 |   |
| 33 | <b>BOLT, 5/16-18 X 1 1/2" HEX HEAD FULL THREAD STAINLESS STEEL</b> | F05006-119          | 2 |   |
| 34 | <b>BOLT, 1/2-20 X 1 1/2" HEX HEAD GRADE 5</b>                      | F05008-53           | 3 |   |
| 35 | <b>WASHER, 1/2" SPLIT LOCK</b>                                     | F05011-9            | 3 |   |
| 36 | <b>PIN, 3/16" X 1 1/4" ROLL</b>                                    | F05012-16           | 2 |   |

<sup>1</sup> 052309 blocks for use with 1 1/2" blades provided as standard equipment or optional 1 3/4" blade. 052355 blocks available for optional use with 1 1/4" blades. EZ-Glide blocks 036347 are available for customers who prefer this block.

<sup>2</sup> 074987 replaced 035658 Arm Weldment to improve durability (WM4000 Rev. A6.04). On mills prior to WM4000 Rev. A6.04 the weld nuts, to secure the arm to the saw head, may become stripped causing the blade guide assembly to get loose. Use 079074 Drive Side Install Kit (including 079073 Mount Bar and fasteners) to retrofit mills prior to WM4000 Rev. A6.04 to better secure the 035658 Blade Guide Mounting Arm Weldment.

## 2.10 Blade Guide Arm



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)  | PART #     | QTY. |
|-----|---|------------|------|
|     | <b>PLATE ASSEMBLY, BLADE GUIDE ARM (WM3500/WM4000/WM4500)</b> | 006703     | 1    |
|     | Blade Guide Parts ( <a href="#">See Section 2.6</a> )         |            |      |
| 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    |

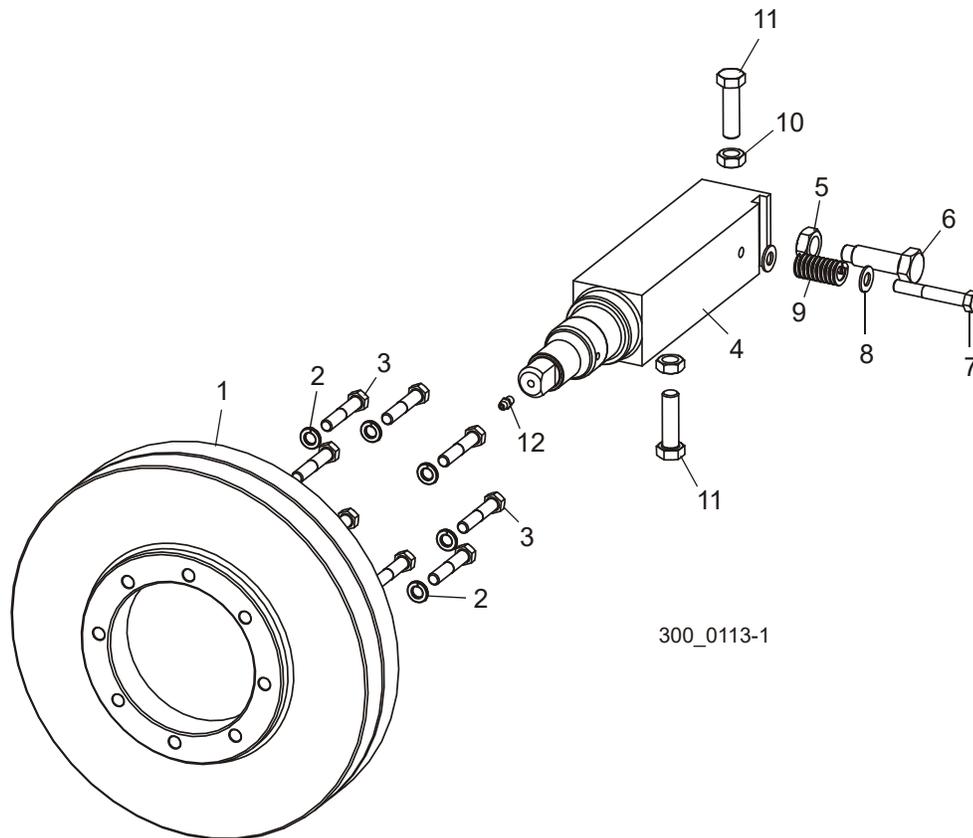
## 2

**Blade Guide Rollers & Arm***Blade Guide Arm*

|    |   |            |   |   |
|----|---|------------|---|---|
| 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 | <b>BOLT, 5/8-18 X 2 1/2" HEX HEAD FULL THREAD GRADE 5</b> | F05009-99  | 2 |   |
| 34 | <b>NUT, 5/8-18 HEX JAM</b>                                | F05010-11  | 2 |   |

## SECTION 3 BLADE WHEELS & TENSIONER

### 3.1 Drive Shaft Assembly

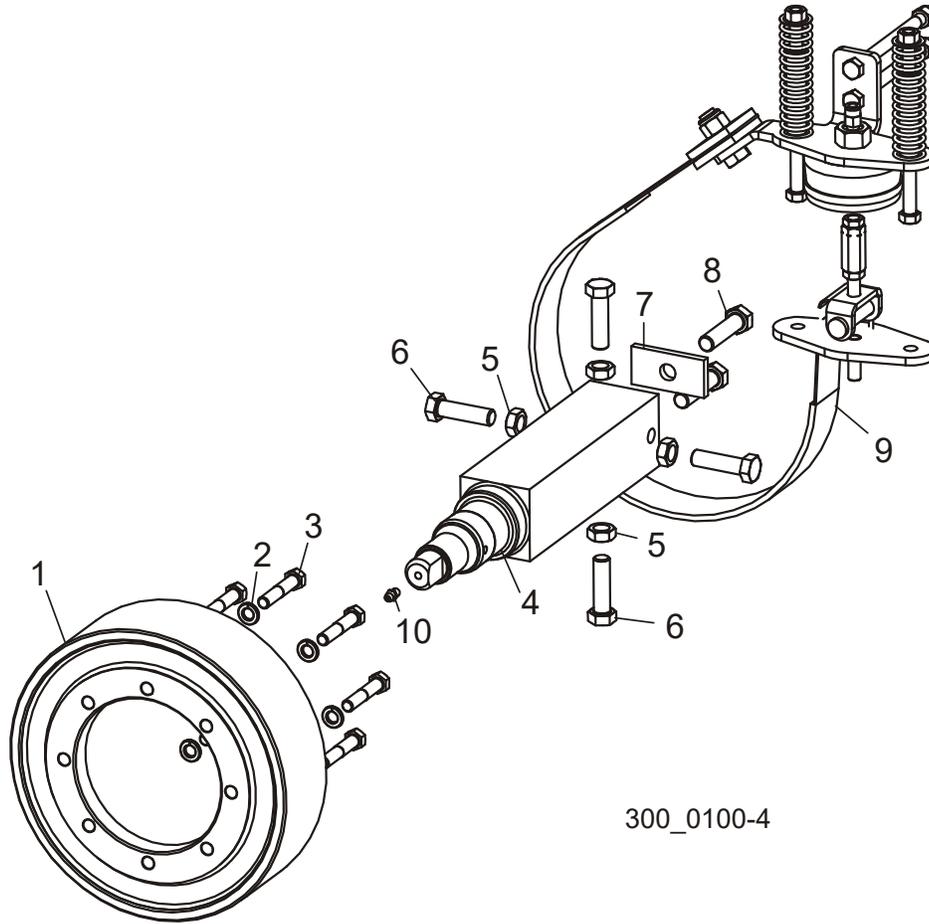


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
| 1   | SHEAVE, EAGLE PD DRIVE                                       | 046897     | 1    |
| 2   | WASHER, 3/8" SPLIT LOCK                                      | F05011-4   | 8    |
| 3   | BOLT, 3/8-16 X 2" HEX HEAD GRADE 5                           | F05007-124 | 8    |
| 4   | SHAFT, BLADE WHEEL   | 017824     | 1    |
| 5   | BOLT, DRIVE WHEEL SHAFT RETAINING                            | 034360     | 1    |
| 6   | NUT, 5/8-18 HEX JAM  | F05010-11  | 1    |
| 7   | BOLT, 3/8-16 X 2 1/2" HEX HEAD                               | F05007-47  | 1    |
| 8   | WASHER, 3/8" SAE FLAT  | F05011-3   | 2    |
| 9   | SPRING, 3/4" OD X 1 1/2" DIE                                 | 034430     | 1    |
| 10  | BOLT, 1/2-20 X 1 3/4" HEX HEAD FULL THREAD                   | F05008-127 | 2    |
| 11  | NUT, 1/2-20 HEX JAM  | F05010-16  | 2    |
| 12  | FITTING, 1/4-28 GREASE                                       | P05060     | 1    |

# 3 Blade Wheels & Tensioner

## Idle Shaft/Brake Drum

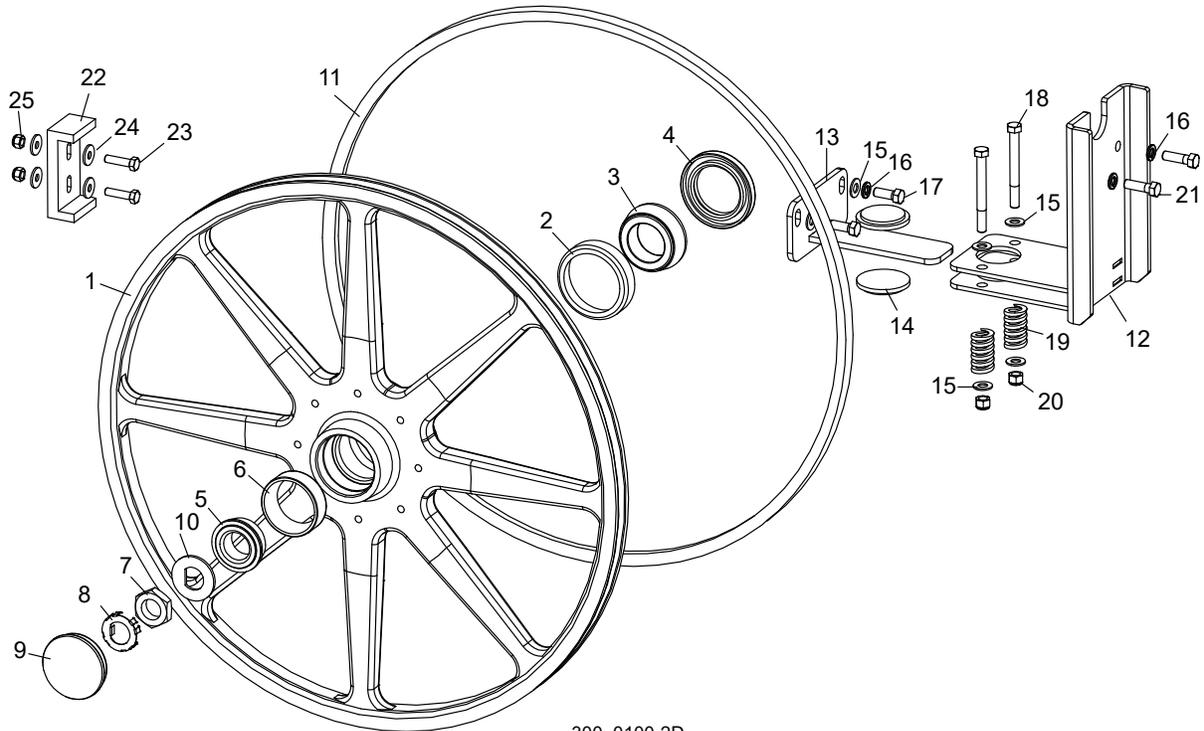
### 3.2 Idle Shaft/Brake Drum



300\_0100-4

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART #     | QTY. |
|-----|--|------------|------|
| 1   | DRUM, BRAKE  | 045004     | 1    |
| 2   | WASHER, 3/8" SPLIT LOCK  | F05011-4   | 8    |
| 3   | BOLT, 3/8-16 X 1 3/4" HEX HEAD GRADE 5                           | F05007-119 | 8    |
| 4   | SHAFT, BLADE WHEEL   | 033244     | 1    |
| 5   | NUT, 1/2-20 HEX JAM  | F05010-16  | 4    |
| 6   | BOLT, 1/2-20 X 1 3/4" HEX HEAD FULL THREAD                       | F05008-127 | 4    |
| 7   | PLATE, WASHER  | 042548     | 1    |
| 8   | BOLT, 1/2-20 X 2" HEX HEAD FULL THREAD                           | F05008-126 | 2    |
| 9   | BRAKE ACTUATOR & STRAP PARTS ( <a href="#">See Section 3.5</a> ) |            |      |
| 10  | FITTING, 1/4-28 GREASE   | P05060     | 1    |

### 3.3 Blade Wheel Kit, Belted (Standard)



300\_0100-2D

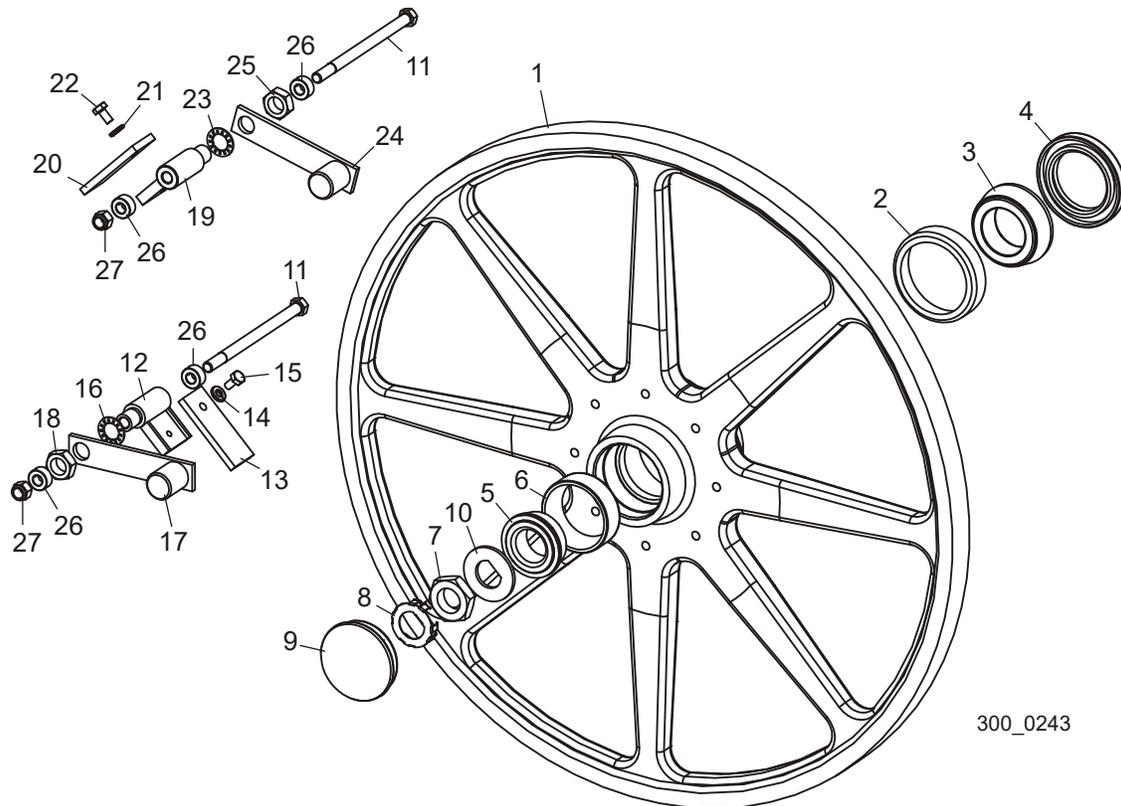
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY. |   |
|-----|--|---------------------|------|---|
|     | <b>WHEEL KIT, BELTED BLADE</b>                               | 036704 <sup>1</sup> | 1    | ◆ |
|     | Wheel Assembly, Belted Blade w/Bearings                      | 036632              | 2    |   |
| 1   | Wheel, 25" Belted Blade                                      | 036619              | 1    | ◆ |
|     | Bearing Kit, Blade Wheel                                     | 061227              | 1    |   |
| 2   | Race, Inner Bearing  | 045209              | 1    |   |
| 3   | Bearing, Inner   | 045208              | 1    |   |
| 4   | Seal, Blade Wheel Bearing                                    | 045212              | 1    |   |
| 5   | Bearing, Outer   | 045210              | 1    |   |
| 6   | Race, Outer Bearing  | 045211              | 1    |   |
|     | Nut Assembly, Spindle w/Retainer                             | 007656              | 1    |   |
| 7   | Nut, 1-14 Spindle  | 007654              | 1    | ◆ |
| 8   | Retainer, Spindle Nut  | 007655              | 1    | ◆ |
| 9   | Cap, Hub Dust  | 033238              | 1    |   |
| 10  | Washer, Blade Wheel Shaft D                                  | 045214              | 1    |   |
| 11  | Belt, B75.5  | 035953-1            | 1    |   |
|     | Dampener Kit, Anti-Vibration                                 | 036840              | 1    |   |
| 12  | Mount Weldment, Dampener Pad                                 | 036838              | 1    |   |
| 13  | Tab Weldment, Dampener                                       | 036839              | 1    |   |
| 14  | Pad, Dampener  | 036833              | 2    |   |

**3****Blade Wheels & Tensioner**  
*Blade Wheel Kit, Belted (Standard)*

|    |   |            |   |  |
|----|---|------------|---|--|
| 15 | Washer, 3/8" SAE Flat                           | F05011-3   | 6 |  |
| 16 | Washer, 3/8" Split Lock                         | F05011-4   | 4 |  |
| 17 | Bolt, 3/8-16 x 1" Hex Head Grade 5              | F05007-87  | 2 |  |
| 18 | Bolt, 3/8-16 x 3 1/2" Hex Head Grade 5          | F05004-123 | 2 |  |
| 19 | Spring, 1" OD x 1/2" ID x 1 3/4" Heavy Die      | 036849     | 2 |  |
| 20 | Nut, 3/8-16 Hex Nylon Lock                      | F05010-10  | 2 |  |
| 21 | Bolt, 3/8-16 x 1 1/4" Hex Head Grade 5          | F05007-123 | 2 |  |
|    | Support Kit, Middle Blade                       | 038493     | 1 |  |
| 22 | Support Channel, Middle Blade                   | 038491     | 1 |  |
| 23 | Bolt, 5/16-18 x 1 1/4" Stainless Steel hex Head | F05006-118 | 2 |  |
| 24 | Washer, 5/16" Flat                              | F05011-16  | 4 |  |
| 25 | Nut, 5/16-18 Hex Nylon Lock                     | F05010-58  | 2 |  |

<sup>1</sup> Belted blade wheels and block/roller blade guides provided standard. [See Section 3.4](#) for optional crowned blade wheels used with all-block blade guides. Blade wheels are too heavy to ship together in kit 036704. Order 036632 separately for service. To convert to crowned steel wheels and all-block blade guides, use two 017814 crowned wheel assemblies and one 036706 block blade guide kit.

### 3.4 Blade Wheel Kit, Crowned (Optional)



300\_0243

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY. |   |
|-----|--|---------------------|------|---|
|     | <b>WHEEL KIT, CROWNED BLADE (TWO COMPLETE BLADE WHEELS)</b>  | 036703 <sup>1</sup> | 1    | ◆ |
|     | Wheel Assembly, Blade w/Bearings                             | 017814 <sup>2</sup> | 2    |   |
| 1   | Wheel, 25" Cast Blade  | 045000              | 1    | ◆ |
|     | Bearing Kit, Blade Wheel                                     | 061227              | 1    |   |
| 2   | Race, Inner Bearing  | 045209              | 1    |   |
| 3   | Bearing, Inner   | 045208              | 1    |   |
| 4   | Seal, Blade Wheel Bearing                                    | 045212              | 1    |   |
| 5   | Bearing, Outer   | 045210              | 1    |   |
| 6   | Race, Outer Bearing  | 045211              | 1    |   |
|     | Nut Assembly, Spindle w/Retainer                             | 007656              | 1    |   |
| 7   | Nut, 1-14 Spindle  | 007654              | 1    | ◆ |
| 8   | Retainer, Spindle Nut  | 007655              | 1    | ◆ |
| 9   | Cap, Hub Dust  | 033238              | 1    |   |
| 10  | Washer, Blade Wheel Shaft D                                  | 045214              | 1    |   |
| 11  | Bolt, 3/8-16 x 6" Hex Head                                   | F05007-45           | 2    |   |
|     | Scraper Assembly, Drive Side Blade Wheel                     | 042247              | 1    |   |
| 12  | Pivot Weldment, Wheel Scraper                                | 042240              | 1    |   |

# 3

## Blade Wheels & Tensioner

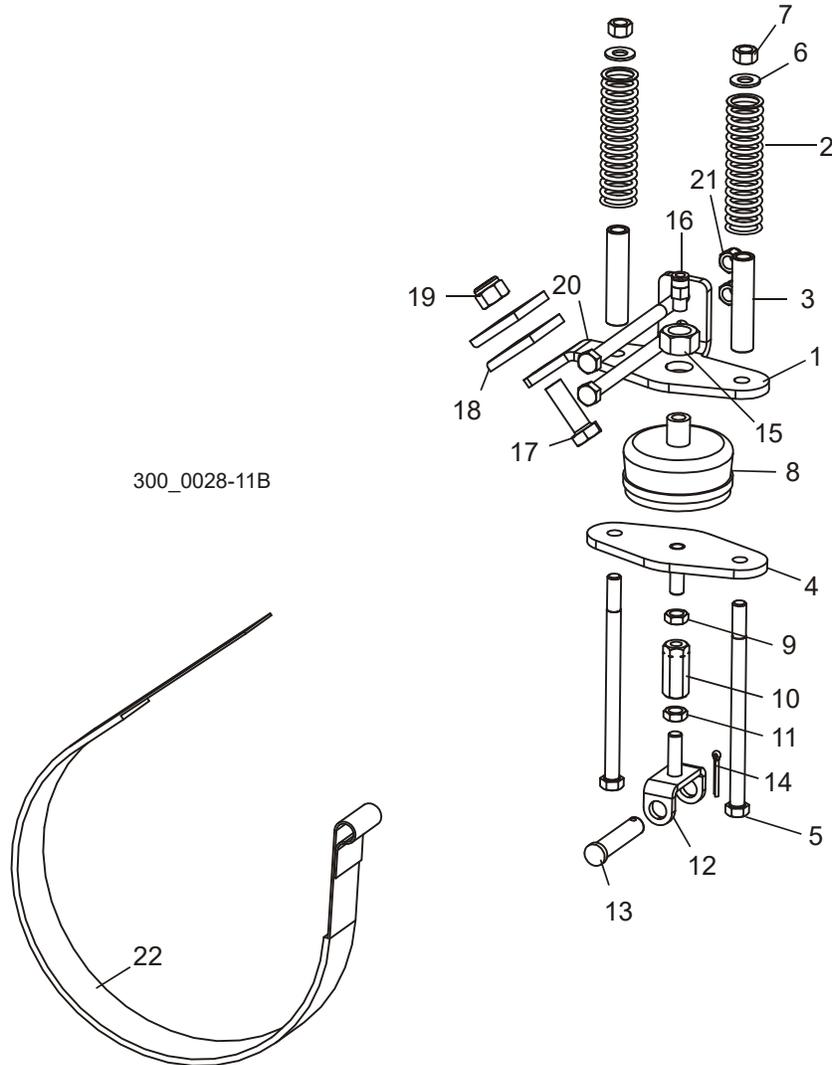
### Blade Wheel Kit, Crowned (Optional)

|    |   |           |   |  |
|----|---|-----------|---|--|
| 13 | Scraper, Brass Wheel                    | 042245    | 1 |  |
| 14 | Washer, 1/4" Split Lock                 | F05011-14 | 1 |  |
| 15 | Bolt, 1/4-20 x 1/2" Hex Head            | F05005-15 | 1 |  |
| 16 | Washer, 5/8" Interior Star Lock         | F05011-25 | 1 |  |
| 17 | Weight Weldment, Wheel Scraper          | 042248    | 1 |  |
| 18 | Nut, 5/8-11 Hex Jam                     | F05010-82 | 1 |  |
|    | Scraper Assembly, Idle Side Blade Wheel | 042246    | 1 |  |
| 19 | Pivot Weldment, Wheel Scraper           | 042240    | 1 |  |
| 20 | Scraper, Brass Wheel                    | 042245    | 1 |  |
| 21 | Washer, 1/4" Split Lock                 | F05011-14 | 1 |  |
| 22 | Bolt, 1/4-20 x 1/2" Hex Head            | F05005-15 | 1 |  |
| 23 | Washer, 5/8" Interior Star Lock         | F05011-25 | 1 |  |
| 24 | Weight Weldment, Wheel Scraper          | 042248    | 1 |  |
| 25 | Nut, 5/8-11 Hex Jam                     | F05010-82 | 1 |  |
| 26 | Collar, 3/8" ID                         | 042249    | 4 |  |
| 27 | Nut, 3/8-16 Hex Nylon Lock              | F05010-10 | 2 |  |

<sup>1</sup> Belted blade wheels and block/roller blade guides provided standard. [See Section 3.3](#) for standard belted blade wheels used with block/roller blade guides. Blade wheels are too heavy to ship together in kit 036703. Order 017814 separately for service. To convert to belted blade wheels and roller/block blade guides, use two 036632 belted wheel assemblies, one 036705 roller/block blade guide kit, one 038493 blade support kit and one 036841 vibration dampening retrofit (WM3000/WM3500 Rev. A1.00 - A8.00) or one 036840 vibration dampening kit (WM3000/WM3500 Rev. A9.00+ and WM4000 Rev. A1.00+).

<sup>2</sup> Dust Cap 033238, D Washer 045214 and Spindle Nut 045216 added to assembly 017814 (11/04).

### 3.5 Brake Assembly



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>ACTUATOR ASSEMBLY, LT300 BRAKE</b>                        | 033170     | 1    |
| 1   | Bracket, Upper Brake Mount                                   | 033166     | 1    |
| 2   | Spring, Brake  | 033171     | 2    |
| 3   | Spacer, Brake Spring Travel                                  | 033169     | 2    |
| 4   | Bracket Weldment, Lower Brake Mount                          | 033172     | 1    |
| 5   | Bolt, 3/8-16 x 6" Hex Head                                   | F05007-45  | 2    |
| 6   | Washer, 3/8" SAE Flat  | F05011-3   | 2    |
| 7   | Nut, 3/8-16 Hex Lock   | F05010-25  | 2    |
| 8   | Bag, Brake Air   | 033168     | 1    |
| 9   | Nut, 3/8-24 Hex Jam (Left-Hand Thread)                       | F05010-166 | 1    |

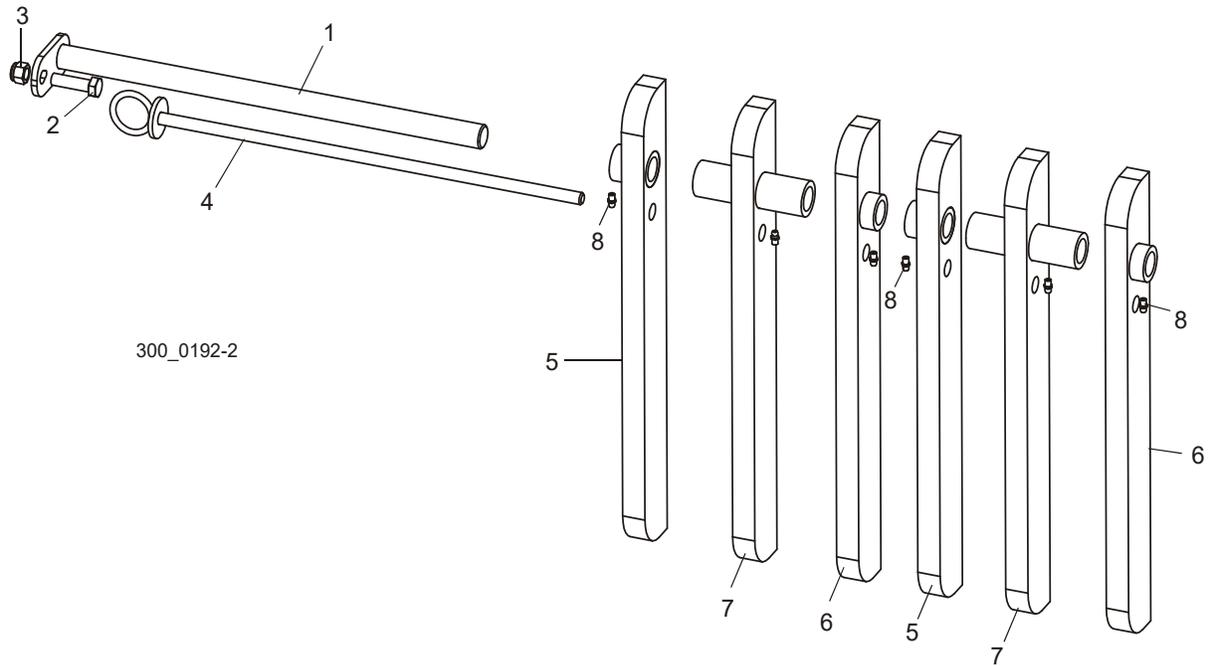
**3****Blade Wheels & Tensioner***Brake Assembly*

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|           |                                    |           |   |  |
|-----------|------------------------------------|-----------|---|--|
| <b>10</b> | Adjuster, Brake Link               | 033174    | 1 |  |
| <b>11</b> | Nut, 3/8-24 Hex Jam                | F05010-22 | 1 |  |
| <b>12</b> | Bracket Weldment, Brake Link       | 033175    | 1 |  |
| <b>13</b> | Pin, 1/2" x 2 1/4" Clevis          | F05012-81 | 1 |  |
| <b>14</b> | Pin, 1/8" x 1" Cotter              | F05012-1  | 1 |  |
| <b>15</b> | Nut, 5/8-11 Hex                    | F05010-5  | 1 |  |
| <b>16</b> | Fitting, 1/8" NPT x 1/4" Tube      | P03078    | 1 |  |
| <b>17</b> | Bolt, 1/2-13 x 1 1/2" Hex Head     | F05008-4  | 1 |  |
| <b>18</b> | Plate, Brake Strap Clamp           | S04195    | 2 |  |
| <b>19</b> | Nut, 1/2-13 Hex Nylon Lock         | F05010-8  | 1 |  |
| <b>20</b> | Bolt, 3/8-16 x 5" Hex Head Grade 2 | F05007-5  | 2 |  |
| <b>21</b> | Nut, 3/8-16 Hex Nylon Lock         | F05010-10 | 2 |  |
| <b>22</b> | Strap, 9 1/2" Dia. Brake           | 033178    | 1 |  |

## SECTION 4 SAW HEAD

### 4.1 Board Return

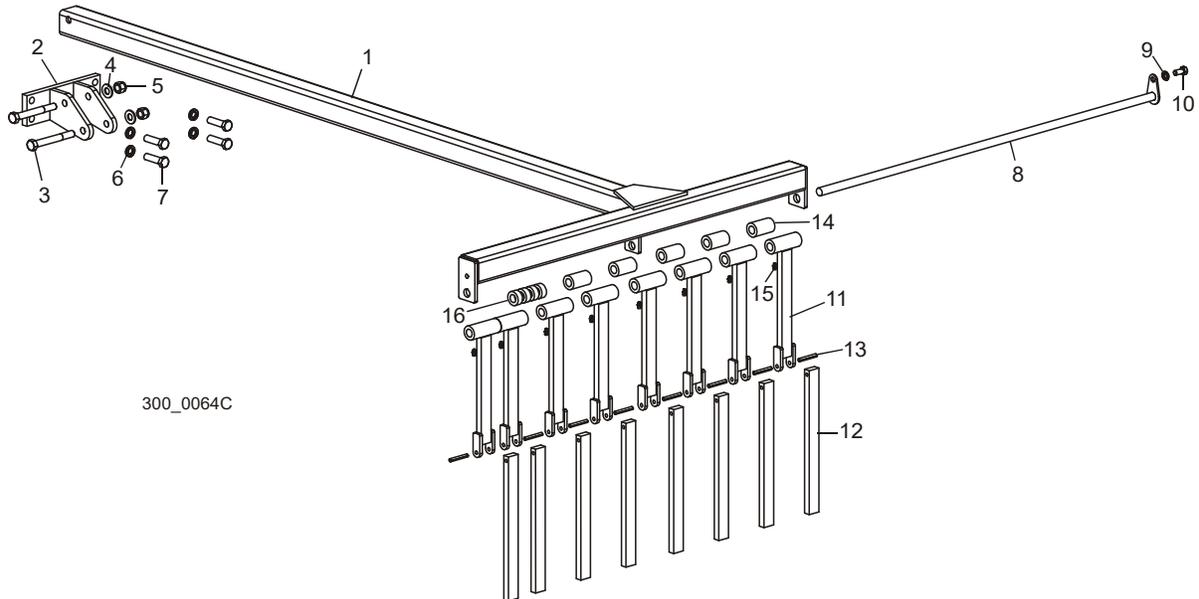


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |  |
|-----|--|-----------|------|--|
| 1   | PIN WELDMENT, BOARD RETURN PIVOT                             | 042167    | 1    |  |
| 2   | BOLT, 1/2-13 X 1 3/4" HEX HEAD GRADE 5                       | F05008-88 | 1    |  |
| 3   | NUT, 1/2-13 HEX NYLON LOCK                                   | F05010-8  | 1    |  |
| 4   | PIN WELDMENT, SUPPORT  | 042168    | 1    |  |
| 5   | ARM WELDMENT, LEFT BOARD RETURN                              | 003659    | 2    |  |
| 6   | ARM WELDMENT, RIGHT BOARD RETURN                             | 003660    | 2    |  |
| 7   | ARM WELDMENT, MIDDLE BOARD RETURN                            | 003661    |      |  |
| 8   | FITTING, 1/4-28 GREASE                                       | P05060    |      |  |

# 4 Saw Head

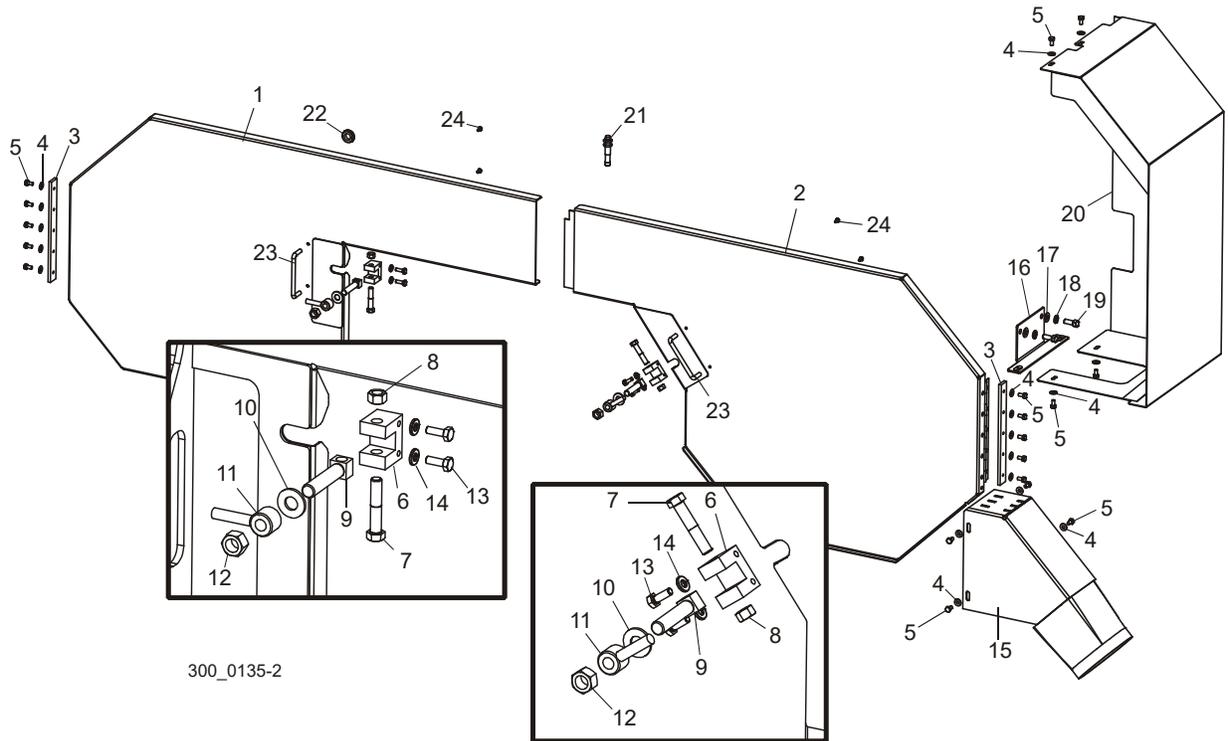
## Board Return Guide

### 4.2 Board Return Guide



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>GUIDE ASSEMBLY, BOARD RETURN</b>                          | 017808     | 1    |
| 1   | Guide Weldment, Board Return                                 | 017809     | 1    |
| 2   | Bracket Weldment, Board Return Guide Mount                   | 017811     | 1    |
| 3   | Bolt, 1/2-13 x 4" Hex Head                                   | F05008-26  | 2    |
| 4   | Washer, 1/2" SAE Flat  | F05011-2   | 2    |
| 5   | Nut, 1/2-13 Hex Nylon Lock                                   | F05010-8   | 2    |
| 6   | Washer, 1/2" Split Lock                                      | F05011-9   | 4    |
| 7   | Bolt, 1/2-13 1 3/4" Hex Head Grade 5                         | F05008-88  | 4    |
| 8   | Rod Weldment, Board Return Guide                             | 034408     | 1    |
| 9   | Washer, 3/8" Split Lock                                      | F05011-4   | 1    |
| 10  | Bolt, 3/8-16 x 3/4" Hex Head Grade 5                         | F05007-118 | 1    |
| 11  | Bar Weldment, Board Guide Upper                              | 017823     | 8    |
| 12  | Bar, Board Guide Lower                                       | 017822     | 8    |
| 13  | Pin, 1/4" x 1 3/4" Roll                                      | F05012-53  | 8    |
| 14  | Tube, Board Guide Spacer                                     | 017820     | 5    |
| 15  | Fitting, 3/16" x 3/16" Straight Grease                       | P04107     | 8    |
| 16  | Tube, Board Guide Spacer (.46")                              | 003687     | 4    |

### 4.3 Covers & Sawdust Chute



300\_0135-2

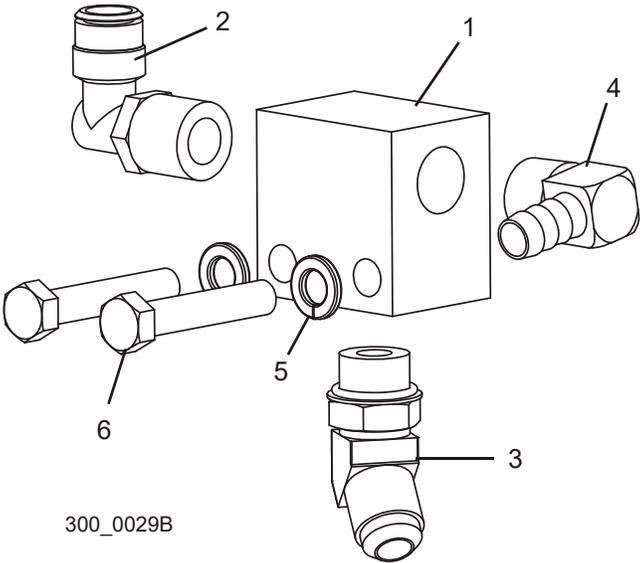
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
| 1   | COVER WELDMENT, IDLE SIDE BLADE HOUSING                      | 006638    | 1    |
| 2   | COVER WELDMENT, DRIVE SIDE BLADE HOUSING                     | 038981    | 1    |
| 3   | PLATE, COVER MOUNT   | 042435    | 2    |
| 4   | WASHER, 1/4" SAE FLAT  | F05011-11 | 18   |
| 5   | BOLT, 1/4-20 X 1/2" HEX HEAD                                 | F05005-15 | 18   |
|     | LATCH ASSEMBLY, BLADE HOUSING COVER                          | 042440    | 2    |
| 6   | Block, Cover Latch   | 042439    | 1    |
| 7   | Bolt, 3/8-16 x 2" Hex Head                                   | F05007-72 | 1    |
| 8   | Nut, 3/8-16 Hex Lock   | F05010-25 | 1    |
| 9   | Bolt, Cover Latch  | 042438    | 1    |
| 10  | Washer, 1/2" SAE Flat  | F05011-2  | 1    |
| 11  | Handle Weldment, Cover Latch                                 | 021145    | 1    |
| 12  | Nut, 1/2-13 Hex Lock   | F05010-3  | 1    |
| 13  | BOLT, 1/4-20 X 3/4" HEX HEAD FULL THREAD                     | F05005-1  | 4    |
| 14  | WASHER, 1/4" SPLIT LOCK                                      | F05011-14 | 4    |
| 15  | CHUTE WELDMENT, SAWDUST                                      | 045005    | 1    |
| 16  | BRACKET WELDMENT, SIDE GUARD MOUNT                           | 036847    | 1    |

**4****Saw Head***Covers & Sawdust Chute*

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|    |   |           |   |  |
|----|---|-----------|---|--|
| 17 | WASHER, 3/8" SAE FLAT                             | F05011-3  | 2 |  |
| 18 | WASHER, 3/8" SPLIT LOCK                           | F05011-4  | 2 |  |
| 19 | BOLT, 3/8-16 X 1" HEX HEAD GRADE 5                | F05007-87 | 2 |  |
| 20 | GUARD WELDMENT, SIDE                              | 036845    | 1 |  |
| 21 | SENSOR, 12MM EXTENDED PROXIMITY (FOR WM3500 ONLY) | 025041    | 1 |  |
|    | SENSOR, IND PROX M12 PNP NS EX (FOR WM4000 ONLY)  | 051439    | 1 |  |
| 22 | GROMMET, 5/8" ID RUBBER                           | P11764    | 1 |  |
| 23 | HANDLE, 4" DOOR                                   | P08065    | 2 |  |
| 24 | SCREW, #8-32 X 3/8" SELF-TAPPING                  | F05015-8  | 4 |  |

**4.4 Blow-Off Assembly**



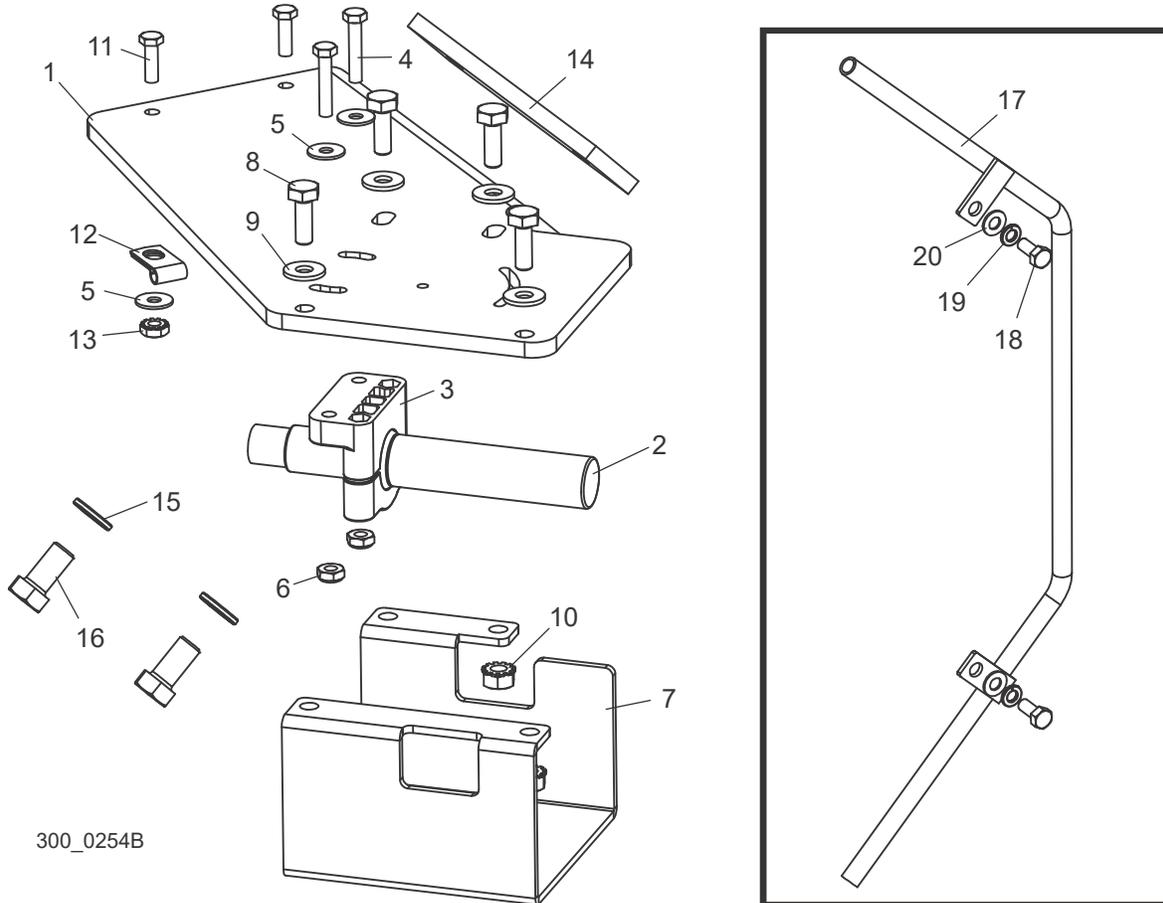
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY.                |
|-----|--|-----------|---------------------|
|     | <b>BLOCK ASSEMBLY, BLOW-OFF</b>                              | 016882    | 1                   |
| 1   | Block, Blow-Off  | 016879    | 1                   |
| 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                   |
|     | <b>TUBING, 1/2" CHAINFLEX AIR LINE</b>                       | R01869-5  | 54 Ft. <sup>1</sup> |
|     | <b>TUBING, 1/2" CHAINFLEX AIR LINE</b>                       | R01869-5  | 4 Ft.               |

<sup>1</sup> Additional 6 foot of hose supplied for

# 4 Saw Head

## Laser Assembly

### 4.5 Laser Assembly



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>LASER ASSEMBLY, WM4000</b>                                | 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    |

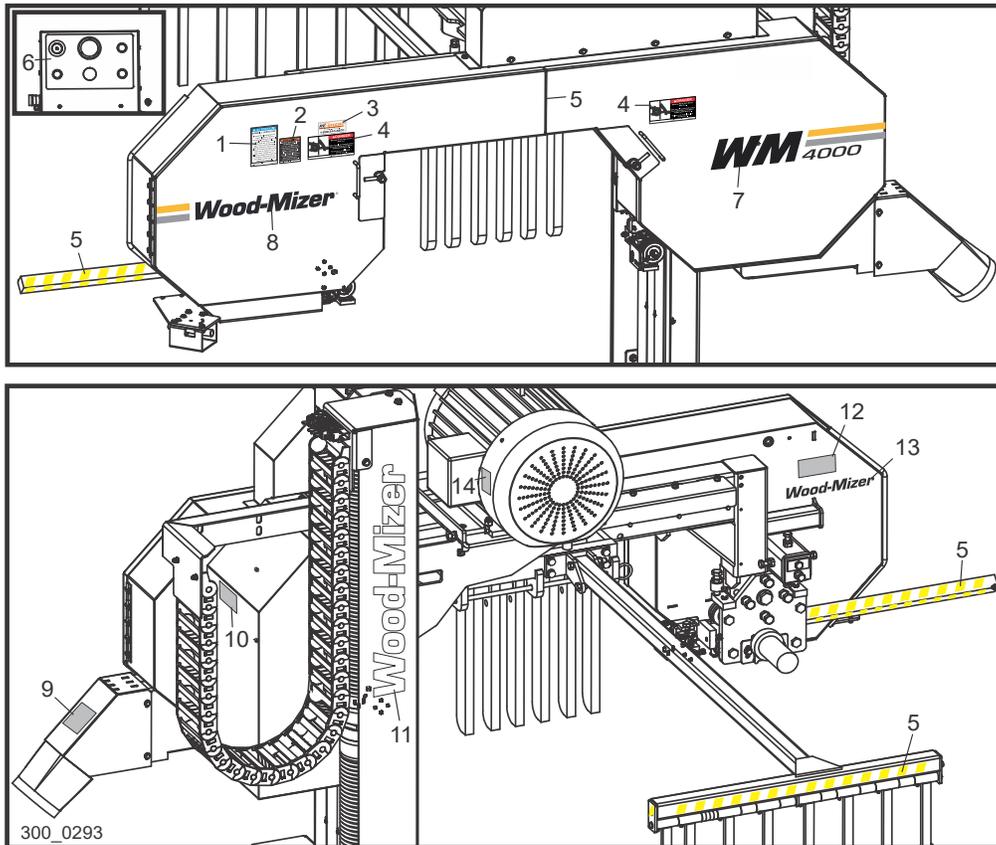
|           |  |            |   |  |
|-----------|--|------------|---|--|
| <b>15</b> | Washer, 3/8" Split Lock                      | F05011-4   | 2 |  |
| <b>16</b> | Bolt, 3/8-16 x 3/4" Hex Head Grade 2         | F05007-27  | 2 |  |
| <b>17</b> | <b>CONDUIT WELDMENT, LASER</b>               | 074784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

# 4 Saw Head Decals

## 4.6 Decals

WM4000

Rev. A5.01+



| 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, WM4000 LOGO   | 076272 | 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    |
| 13  | DECAL, WOOD-MIZER LOGO 10.25"                                | 052287 | 1    |
| 14  | DECAL, MOTOR DIRECTION                                       | S20097 | 1    |

## 4.7 Decals

WM4000

Rev. A1.00 - A5.00

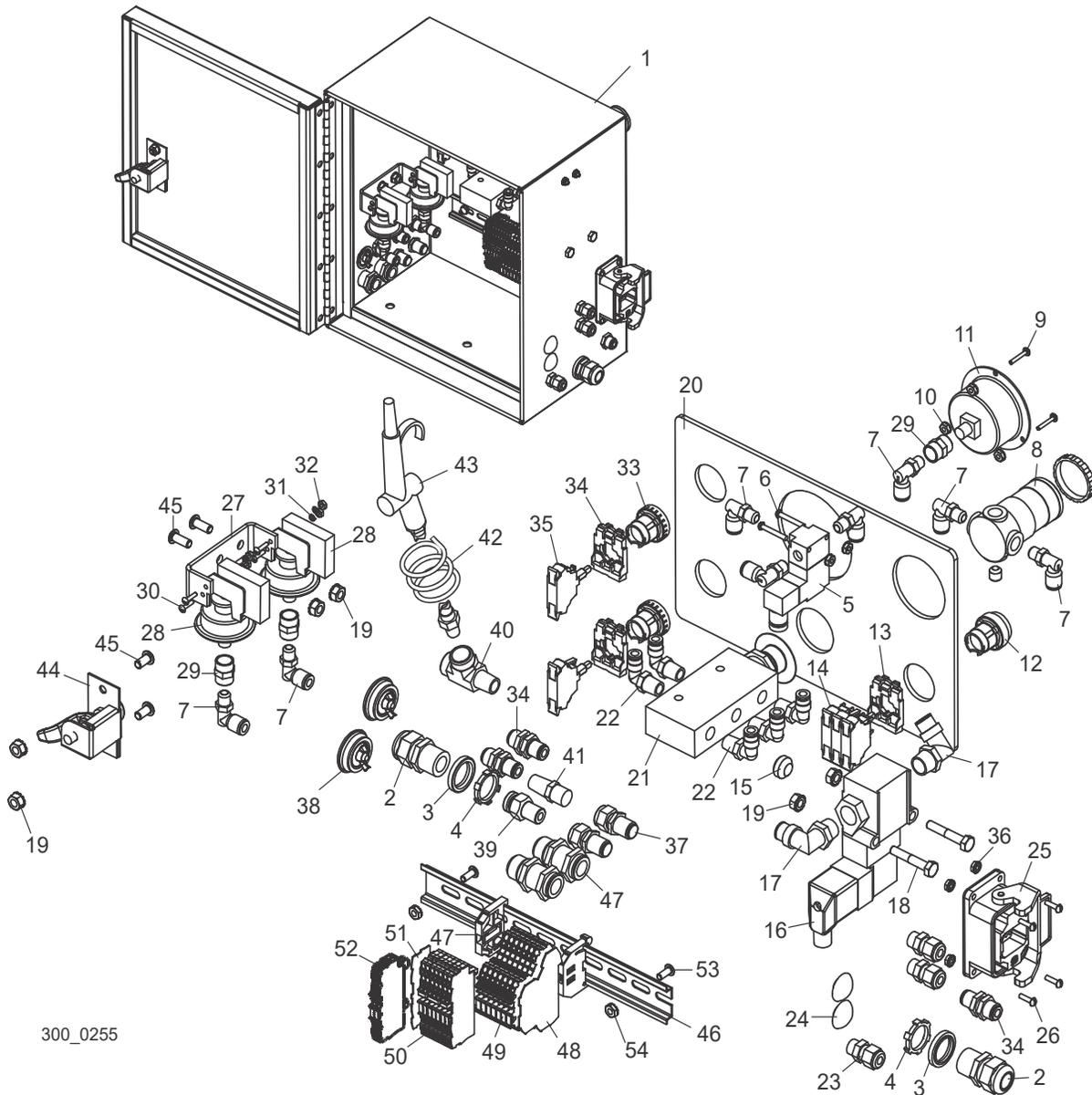


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
| 1   | DECAL, RESHARP INFO  | P12879 | 1    |
| 2   | DECAL, TRANSDUCER ADJUSTMENT CAUTION                         | 042674 | 1    |
| 3   | DECAL, WM4000 GREEN LOGO 18"                                 | N/A    | 1    |
| 4   | DECAL, SAWDUST CHUTE WARNING                                 | P11754 | 1    |
| 5   | DECAL, EYE/EAR PROTECTION WARNING                            | P12879 | 1    |
| 6   | DECAL, MOVING PARTS DANGER                                   | 033254 | 2    |
| 7   | DECAL, WARNING STRIPE  | 016834 | 7    |
| 8   | DECAL, BLADE INSPECTION WARNING                              | 034801 | 1    |
| 9   | DECAL, BLADE GUIDE INFO (LARGE)                              | 034803 | 1    |

# 4 Saw Head

## Head/Air Box Control Assembly

### 4.8 Head/Air Box Control Assembly



300\_0255

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY. |
|-----|--|----------|------|
|     | <b>CONTROL ASSEMBLY, INDUSTRIAL MILL HEAD/AIR BOX</b>        | 069995 1 | 1    |
| 1   | Box Weldment, Industrial Mill Head/Air                       | 069994   | 1    |
| 2   | Connector, 1/2" NPT .17-.47                                  | 051299   | 2    |
| 3   | Ring, 1/2" Sealing   | E20460   | 2    |
| 4   | Nut, 1/2" NPT Connector Lock                                 | E20461   | 2    |
| 5   | Valve, Air 3 Way 1/8" NPT Din C Conn                         | 045225   | 1    |

**Saw Head** 4  
*Head/Air Box Control Assembly*

|    |  |            |   |  |
|----|--|------------|---|--|
| 6  | Screw, 6-32 x 1" SL Round Head Machine           | F05004-146 | 2 |  |
| 7  | Fitting, 1/8" MPT x 1/4" Tube Swivel Elbow       | P09736     | 8 |  |
| 8  | Regulator Kit, Air                               | 045247     | 1 |  |
|    | Regulator, 1/8" NPT Air                          | 052509     | 1 |  |
|    | Nut, Regulator Mount                             | 052510     | 1 |  |
| 9  | Screw, #6-32 x 3/4" Socket Button Head Stainless | F05004-93  | 3 |  |
| 10 | Nut, #6-32 Hex Self-Locking                      | F05010-59  | 3 |  |
| 11 | Gauge, Air Pressure                              | 042342     | 1 |  |
| 12 | Push Button, Ill. Ext Yellow ZB5                 | 068901     | 1 |  |
| 13 | Switch Collar Assembly, Mount 1NC ZB5            | 068950     | 1 |  |
| 14 | Switch Block, NO ZB5                             | 068920     | 1 |  |
| 15 | Plug, 3/8-18 Pipe SHPS BRZ                       | 035665     | 1 |  |
| 16 | Valve Assembly, Blow-Off                         | 042659     | 1 |  |
| 17 | Fitting, 3/8" NPT x 1/2" Tube Swivel Elbow       | 034009     | 2 |  |
| 18 | Bolt, 1/4-20 x 1 1/2" Hex Head Full Thread       | F05005-31  | 2 |  |
| 19 | Nut, 1/4-20 Hex Self-Locking                     | F05010-9   | 6 |  |
| 20 | Decal, Head/Air Control Box                      | 052274     | 1 |  |
| 21 | Valve, 4-Way Push/Pull 1/4" NPT                  | 025301     | 1 |  |
| 22 | Fitting, 1/4" NPT x 1/4" Tube Elbow              | P21519     | 5 |  |
| 23 | Cord Conn, .5 Hole .064-.210 Cord                | E23494     | 2 |  |
| 24 | Plug, 1/2" Hole Heyco 3830                       | 068164     | 2 |  |
| 25 | Connector Assy, Ind. Mill Head Internal          | 078664     | 1 |  |
| 26 | Screw, #6-32 x 1/2" SI RH                        | F05015-24  | 4 |  |
| 27 | Bracket, Pressure Switch Mount                   | 042256     | 1 |  |
| 28 | Switch, Limit Pressure 60 PSI                    | 045207     | 2 |  |
| 29 | Fitting, 1/8" FPT Coupling                       | P05748     | 3 |  |
| 30 | Screw, #4-40 x 5/8" Slotted Round Head           | F05004-49  | 4 |  |
| 31 | Washer, #4 Split Lock                            | F05011-21  | 4 |  |
| 32 | Nut, #4 Hex                                      | F05010-43  | 4 |  |
| 33 | Pilot Light, Yellow ZB5                          | 068931     | 2 |  |
| 34 | Switch Collar, Mount ZB5                         | 068951     | 2 |  |
| 35 | Light Module, White ZB5                          | 068912     | 2 |  |
| 36 | Nut, #6-32 Keps                                  | F05010-59  | 4 |  |
| 37 | Fitting, 1/4" Tube x 1/4" NPT Female Bulkhead    | 025235     | 2 |  |
| 38 | Plug, AS050 Oiltite                              | 024685     | 2 |  |
| 39 | Fitting, 1/4" NPT x 3/8" Tube                    | P21559     | 1 |  |
| 40 | Fitting, 1/4" Male Run Tee                       | P09141     | 1 |  |
| 41 | Muffler, 1/4" NPT Air                            | P20904     | 1 |  |
| 42 | Hose, 1/4" x 6' Coiled Air                       | 042453     | 1 |  |
| 43 | Nozzle, Air Spray                                | P02714     | 1 |  |
| 44 | Latch, Door                                      | P20048     | 1 |  |
| 45 | Screw, 1/4-20 x 1/2" BHSC SS Gr2                 | F05005-112 | 2 |  |
| 46 | DIN Rail, 35mm x 7.5mm x 10" Steel Sym           | 024474-10  | 1 |  |

# 4

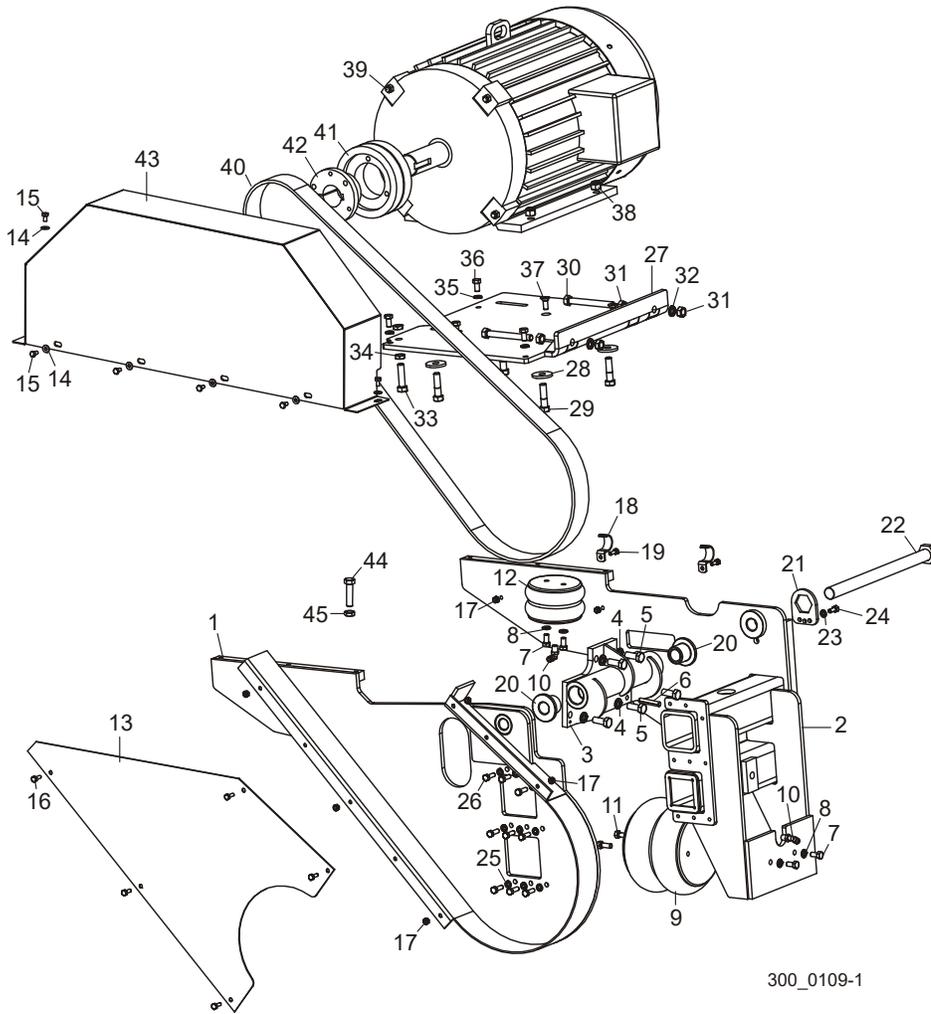
## Saw Head

### Head/Air Box Control Assembly

|    |  |            |        |  |
|----|--|------------|--------|--|
| 47 | Din Clamp, Screwless                               | 051986     | 2      |  |
| 48 | Terminal Block, 2 Tier 4mm End Plate               | 068120     | 1      |  |
| 49 | Terminal Block, 2 Tier 4mm Clamp                   | 068119     | 7      |  |
| 50 | Terminal Block, 4Pos 2.5mm Com Clamp               | 068103     | 7      |  |
| 51 | Terminal Block, 4Pos 2.5mm End Plate               | 068105     | 4      |  |
| 52 | Terminal Block, 4Pos 2.5mm GND Clamp               | 068104     | 2      |  |
| 53 | Screw, 10-24 x 1/2" BSHS Stainless Steel           | F05004-196 | 2      |  |
| 54 | Nut, #10-24 Keps                                   | F05010-14  | 2      |  |
|    | Washer, 7/8" SAE Flat                              | F05011-73  | 1      |  |
|    | Cable Assembly, Industrial Mill Bld Brk Sol.       | 069977     | 1      |  |
|    | Cable Assembly, Industrial Mill Blow Off Sol.      | 069978     | 1      |  |
|    | Cable Assembly, Industrial Mill Blade Guide Motor  | 069988     | 1      |  |
|    | Cable Assembly, Industrial Mill Blade Break Prox   | 078662     | 1      |  |
|    | Cable Assembly, Industrial Mill Ball Nut Prox.     | 078663     | 1      |  |
|    | Cable Assembly, Industrial Mill Laser              | 068074     | 1      |  |
|    | Cable Assembly, Industrial Mill Feed Encoder Power | 068048     | 1      |  |
|    | Hose, 1/4" Chainflex Air                           | R01869-3   | 178.5" |  |
|    | Hose, 1/2" Chainflex Air                           | R01869-5   | 64"    |  |

<sup>1</sup> 078664 replaced 069948 Connector Assy, Ind. Mill Head Internal, 078662 replaced 069984 Cable Assembly, Industrial Mill Blade Break Prox, 078663 replaced 069987 Cable Assembly, Industrial Mill Ball Nut Prox. (Rev. B2.00+).

## 4.9 Blade Motor Drive Assembly



300\_0109-1

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
| 1   | BRACKET WELDMENT, FRONT MOTOR MOUNT                          | 033211    | 1    |
| 2   | BRACKET WELDMENT, REAR MOTOR MOUNT                           | 033216    | 1    |
| 3   | PIVOT WELDMENT, MOTOR MOUNT                                  | 033206    | 1    |
| 4   | WASHER, 1/2" SPLIT LOCK                                      | F05011-9  | 5    |
| 5   | BOLT, 1/2-13 X 1 1/4" HEX HEAD GRADE 5                       | F05008-37 | 5    |
| 6   | PIN, 3/8" X 2" ROLL  | F05012-42 | 2    |
| 7   | BOLT, 3/8-16 X 3/4" HEX HEAD GRADE 2                         | F05007-27 | 4    |
| 8   | WASHER, 3/8" SPLIT LOCK                                      | F050011-4 | 4    |
| 9   | BAG, TENSIONER AIR   | 033229    | 1    |
| 10  | FITTING, 1/4" NPT X 1/4" AIR 90 ELBOW                        | P21519    | 2    |
| 11  | BOLT, 3/8-16 X 1" HEX HEAD GRADE 5                           | F05007-87 | 2    |
| 12  | BAG, MOTOR LIFT AIR  | 033231    | 1    |

## 4

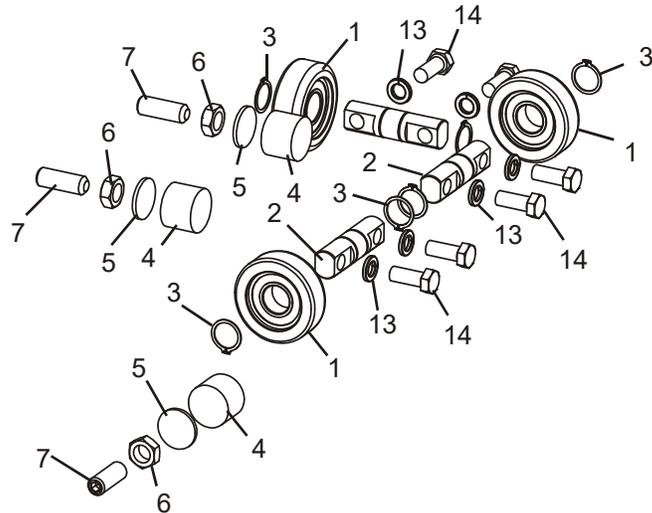
**Saw Head***Blade Motor Drive Assembly*

|    |  |                     |   |  |
|----|--|---------------------|---|--|
| 13 | COVER, BELT                                | 036662              | 1 |  |
| 14 | BOLT, 1/4-20 X 1/2" HEX HEAD               | F05005-15           | 5 |  |
| 15 | WASHER, 1/4" SAE FLAT                      | F05011-11           | 5 |  |
| 16 | BOLT, 1/4-20 X 3/4" HEX HEAD               | F05005-129          | 5 |  |
| 17 | NUT, 1/4-20 SELF-LOCKING HEX               | F05010-9            | 7 |  |
| 18 | CLAMP, 1" EMT                              | P05436              | 2 |  |
| 19 | BOLT, 1/4-20 X 3/4" HEX HEAD FULL THREAD   | F05005-1            | 2 |  |
| 20 | BEARING, MOTOR PIVOT                       | 033210              | 2 |  |
| 21 | PLATE, PIVOT BOLT LOCK                     | 033230              | 1 |  |
| 22 | BOLT WELDMENT, MOTOR PIVOT                 | 033225              | 1 |  |
| 23 | WASHER, 5/16" SPLIT LOCK                   | F05011-13           | 1 |  |
| 24 | BOLT, 5/16-18 X 3/4" HEX HEAD              | F05006-5            | 1 |  |
| 25 | WASHER, 5/16" SPLIT LOCK                   | F05011-13           | 9 |  |
| 26 | BOLT, 5/16-18 X 1" HEX HEAD GRADE 5        | F05006-48           | 9 |  |
|    | DRIVE ASSEMBLY, 30HP 480V/60HZ PD          | 036638              | 1 |  |
|    | DRIVE ASSEMBLY, 30HP 480V/50HZ PD          | 036640 <sup>1</sup> | 1 |  |
| 27 | Plate Weldment, Motor Mount                | 042461              | 1 |  |
| 28 | Washer, .52" ID x 1.69" OD                 | 014632              | 4 |  |
| 29 | Bolt, 1/2-13 x 2" Hex Head                 | F05008-76           | 4 |  |
| 30 | Bolt, 1/2-13 x 4 1/2" Hex Head Full Thread | F05008-16           | 2 |  |
| 31 | Nut, 1/2-13 Hex                            | F05010-35           | 4 |  |
| 32 | Washer, 1/2" Split Lock                    | F05011-9            | 2 |  |
| 33 | Bolt, 1/2-13 x 2" Hex Head Full Thread     | F05008-8            | 1 |  |
| 34 | Nut, 1/2-13 Hex Jam                        | F05010-31           | 2 |  |
| 35 | Washer, 3/8" Split Lock                    | F05011-4            | 4 |  |
| 36 | Bolt, 3/8-16 x 3/4" Hex Head Grade 2       | F05007-27           | 4 |  |
| 37 | Bolt, 3/8-16 x 1" Flat Socket Head         | F05007-64           | 2 |  |
| 38 | Nut, 1/2-13 Hex Nylon Lock                 | F05010-8            | 4 |  |
| 39 | Motor, 30HP 1800RPM                        | 042301              | 1 |  |
| 40 | Belt, Eagle PD G2380                       | 036636              | 1 |  |
| 41 | Pulley, Eagle PD G36SSF                    | 036634              | 1 |  |
|    | Pulley, Eagle PD G45SE (50Hz)              | 036635              | 1 |  |
| 42 | Bushing, SF x 1 7/8"                       | 039266              | 1 |  |
|    | Bushing, E x 1 7/8" (50Hz)                 | 036637 <sup>1</sup> | 1 |  |
| 43 | Cover Weldment, Belt Guard                 | 036678              | 1 |  |
| 44 | BOLT, 1/2-13 X 2" HEX HEAD FULL THREAD     | F05008-8            | 1 |  |
| 45 | NUT, 1/2-13 HEX JAM                        | F05010-31           | 1 |  |

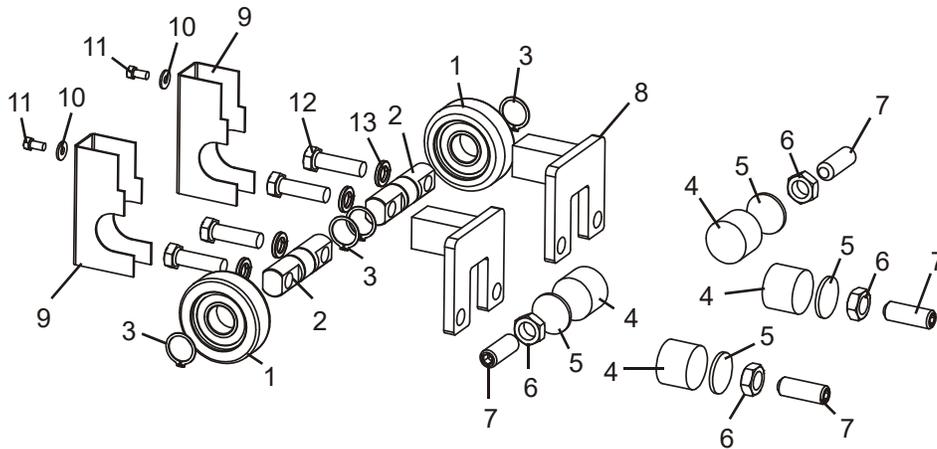
<sup>1</sup> Alternate drive belt, motor pulley and bushing for 50Hz operation.

## SECTION 5 UP/DOWN SYSTEM

### 5.1 Mast Pads & Rollers



300\_0028-4



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
| 1   | BEARING, MG305DDA  | 023857    | 5    |
| 2   | SHAFT, UP/DOWN MAST BEARING                                  | 023858    | 5    |
| 3   | RING, 1" OUTSIDE RETAINING                                   | F04254-15 | 10   |
| 4   | PAD, ROUND NYLON   | 033098    | 7    |
| 5   | PAD, NYLON BACKING   | 042432    | 7    |
| 6   | NUT, 5/8-18 HEX JAM  | F05010-11 | 7    |
| 7   | SCREW, 5/8-18 X 1 3/4" SOCKET HEAD FLAT POINT SET            | F05009-27 | 7    |
| 8   | BRACKET WELDMENT, UP/DOWN BEARING MOUNT                      | 045048    | 2    |
| 9   | COVER, MAST BEARING  | 045047    | 2    |

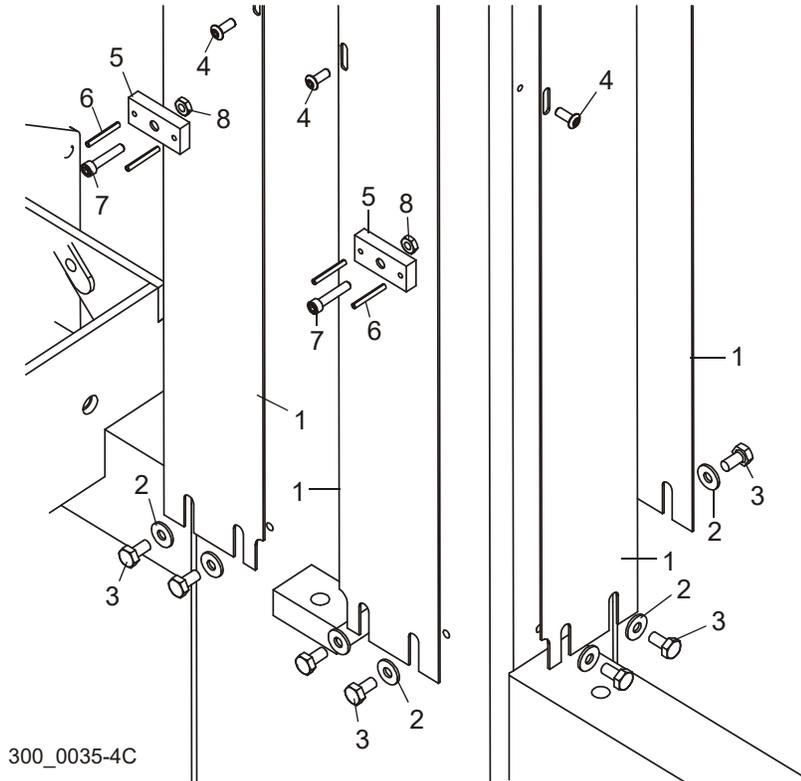
# **5** Up/Down System

*Mast Pads & Rollers*

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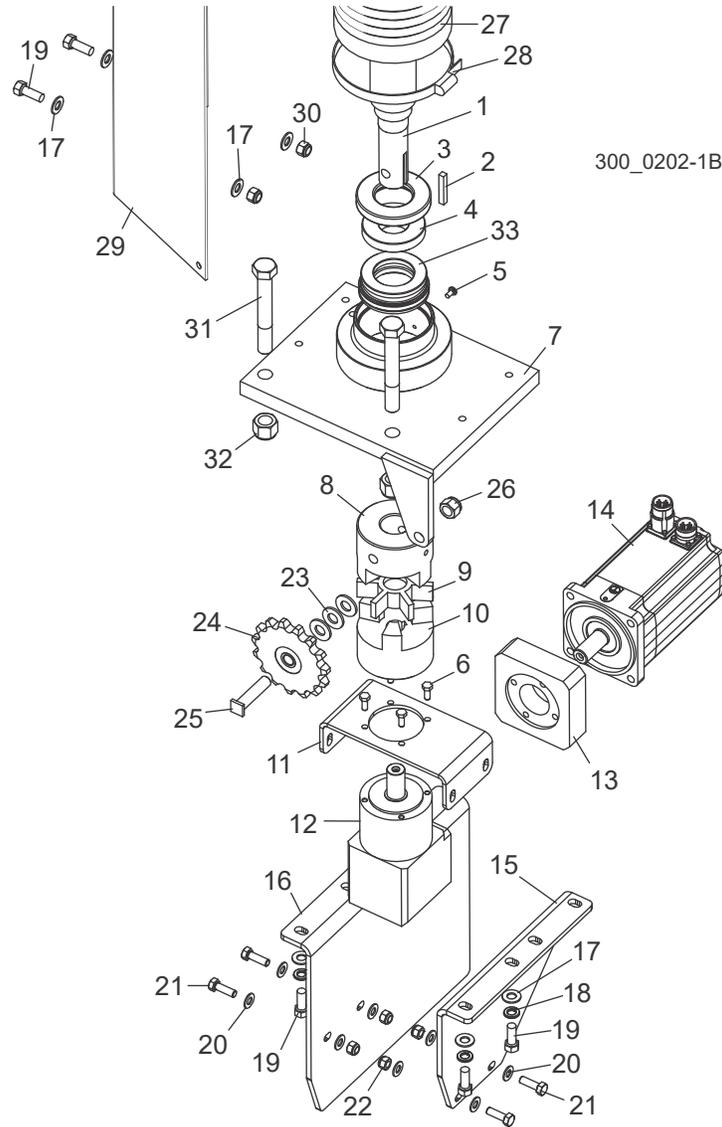
|           |   |           |    |  |
|-----------|---|-----------|----|--|
| <b>10</b> | <b>WASHER, 1/4" SAE FLAT</b>                  | F05011-11 | 2  |  |
| <b>11</b> | <b>BOLT, 1/4-20 X 1/2" HEX HEAD</b>           | F05005-15 | 2  |  |
| <b>12</b> | <b>BOLT, 1/2-13 X 1 3/4" HEX HEAD GRADE 5</b> | F05008-88 | 4  |  |
| <b>13</b> | <b>WASHER, 1/2" SPLIT LOCK</b>                | F05011-9  | 10 |  |
| <b>14</b> | <b>BOLT, 1/2-13 X 1 1/4" HEX HEAD GRADE 5</b> | F05008-37 | 6  |  |

## 5.2 Bearing Rails



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>RAIL KIT, UP/DOWN BEARING</b>                             | 042788     | 1    |
| 1   | Rail, Up/Down Bearing  | 042773     | 6    |
| 2   | Washer, 1/4" SAE Flat  | F05011-11  | 24   |
| 3   | Bolt, 1/4-20 x 1/2" Hex Head                                 | F05005-15  | 24   |
| 4   | Screw, #10-24 x 1/2" Button Socket Head                      | F05004-35  | 18   |
| 5   | <b>PAD, HEAD PLASTIC</b>                                     | 045056     | 2    |
| 6   | <b>PIN, 1/8" X 1" ROLL</b>                                   | F05012-34  | 4    |
| 7   | <b>BOLT, #10-24 X 1" SOCKET HEAD</b>                         | F05004-2   | 2    |
| 8   | <b>NUT, #10-24 HEX</b>                                       | F05010-115 | 2    |

### 5.3 Up/Down Ballscrew Drive



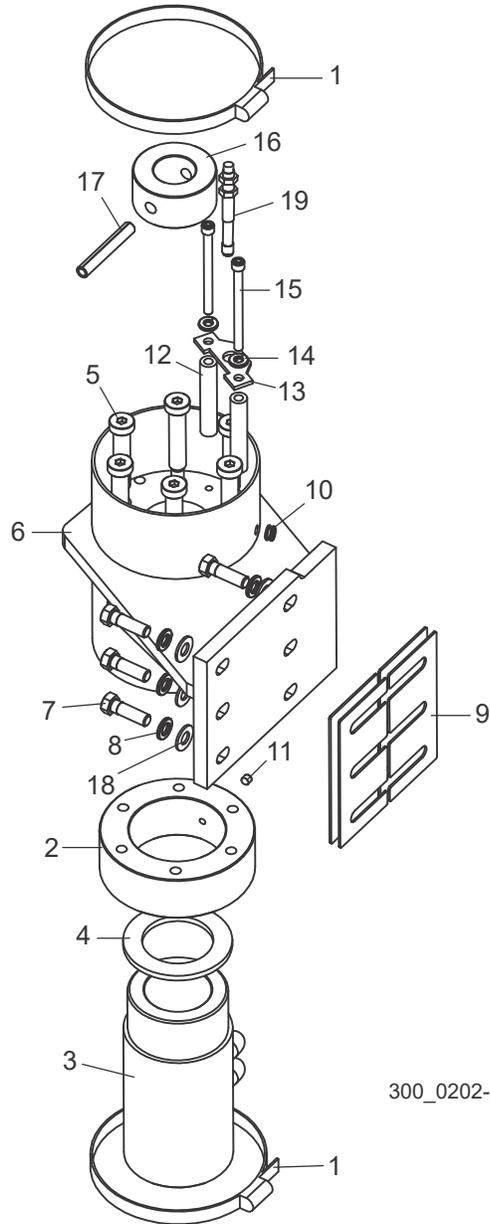
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>DRIVE ASSEMBLY, 2" BALLSCREW UP/DOWN (WM4000)</b>             | 065968     | 1    |
| 1   | Shaft, 2" x .5" Ballscrew  | 042858     | 1    |
|     | Grease, 10cc Syringe Up/Down Ballscrew                           | 042399     | 1    |
| 2   | Key, 1/4" Square x 1 5/8"  | 042810     | 1    |
| 3   | Seal, 1 5/8" ID Thrust Bearing                                   | 042857     | 1    |
| 4   | Spacer, Screw/Bearing Support                                    | 042856     | 1    |
| 5   | Screw, #10-24 x 3/8" Phillips Pan Head                           | F05004-3   | 1    |
| 6   | Screw, M6 x 1.0 x 16mm 8.8 Hex Head                              | F05004-219 | 4    |
|     | Middle Ballscrew Mount Parts ( <a href="#">See Section 5.4</a> ) |            |      |

|    |   |                     |                |  |
|----|---|---------------------|----------------|--|
| 7  | Bracket Weldment, Up/Down 45mm Ballscrew Mount                | 017790              | 1              |  |
| 8  | Coupling, Modified L110 x 1 1/4" Body                         | 017787              | 1              |  |
| 9  | Coupling, L110 Spider   | 042809              | 1              |  |
| 10 | Coupling, L110 x 20mm Body                                    | 065993              | 1              |  |
| 11 | Plate, Servo Mounting   | 071277              | 1              |  |
| 12 | Gearbox, GBY Angular 80mm 8:1                                 | 068037              | 1              |  |
| 13 | Gearbox Kit, Size 80 BMH                                      | 068039              | 1              |  |
| 14 | Motor, Servo 100mm IP54 Encoder                               | 068038              | 1              |  |
| 15 | Plate, Servo Mounting Left                                    | 071251              | 1              |  |
| 16 | Plate, Servo Mounting Right                                   | 071250              | 1              |  |
| 17 | Washer, 3/8" SAE Flat   | F05011-3            | 18             |  |
| 18 | Washer, 3/8" Split Lock                                       | F05011-4            | 10             |  |
| 19 | Bolt, 3/8-16 x 1" Hex Head                                    | F05007-7            | 6              |  |
| 20 | Washer, 5/16" SAE Flat  | F05011-17           | 8              |  |
| 21 | Bolt, 3/8-16 x 3/4" Hex Head                                  | F05007-27           | 4              |  |
| 22 | Nut, 5/16-18 Hex  | F05010-58           | 8              |  |
| 23 | Washer, 1/2" SAE Flat   | F05011-2            | 3              |  |
| 24 | Sprocket, Idler   | 042367              | 1              |  |
| 25 | Shaft, Idler Sprocket   | 016828              | 1              |  |
| 26 | Nut, 1/2-13 Hex Nylon Lock                                    | F05010-8            | 1              |  |
| 27 | Bellows, 5" ID x 45" Ballscrew Protective                     | 017777              | 1              |  |
| 28 | Clamp, Bellows Worm   | 042419              | 1              |  |
| 29 | Guard Weldment, Up/Down Bellows                               | 017647              | 1              |  |
| 30 | Nut, 3/8-16 Hex Nylon Lock                                    | F05010-10           | 2              |  |
| 31 | Bolt, 5/8-11 x 4 1/2" Hex Head Grade 5                        | F05009-10           | 2              |  |
| 32 | Nut, 5/8-11 Hex Nylon Lock                                    | F05010-34           | 2              |  |
| 33 | Bearing Assy, 45 mm Thrust                                    | 110569              | 1              |  |
|    | Spacer, 45 mm Thrust Bearing                                  | 110565 <sup>1</sup> | 1              |  |
|    | Bearing, 45 mm Thrust, 53209                                  | 110567              | 1              |  |
|    | Seating Washer, 45 mm Thrust Bearing                          | 110568              | 1              |  |
|    | Oil, 8 Oz. Mobil SHC634 Bottled Synthetic Gear                | L04869-4            | 1 <sup>2</sup> |  |
|    | Top Ballscrew Mount Parts ( <a href="#">See Section 5.5</a> ) |                     |                |  |

<sup>1</sup> Replaced 042855-1 & 042855-2 Thrust Bearing components no longer available (Rev. B3.01).

<sup>2</sup> 12 - 15 oz. required for complete oil replacement.

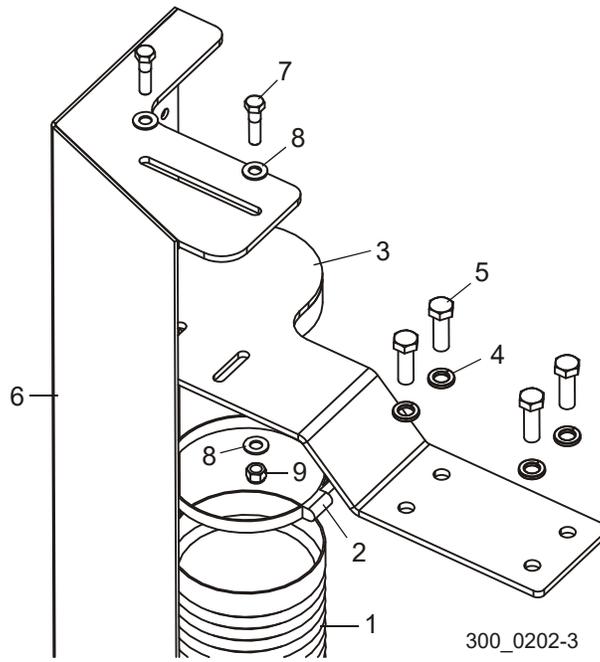
### 5.4 Ballscrew Mount (Middle)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)    | PART # | QTY. |
|-----|---|--------|------|
| 1   | CLAMP, BALLSCREW BELLOWS  | 042419 | 2    |
|     | LOWER BALLSCREW MOUNT PARTS ( <a href="#">See Section 5.3</a> ) |        |      |
|     | GREASE, 10CC SYRINGE UP/DOWN BALLSCREW                          | 042399 | 1    |
| 2   | FLANGE, 2" BALLSCREW NUT  | 042792 | 1    |
| 3   | NUT, 2" BALLSCREW   | 042791 | 1    |
| 4   | PLATE, BALLSCREW NUT WEAR                                       | 042816 | 1    |

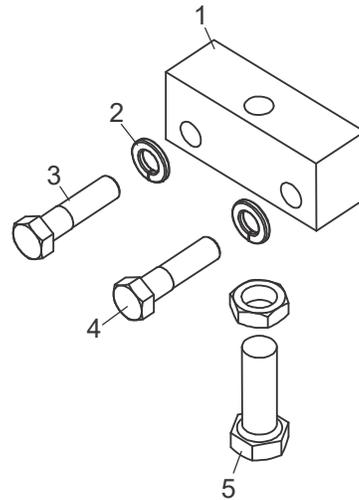
|    |   |            |   |  |
|----|---|------------|---|--|
| 5  | BOLT, 1/2" X 2 1/4" SHOULDER              | F05008-136 | 6 |  |
| 6  | BRACKET WELDMENT, MIDDLE BALLSCREW MOUNT  | 042819     | 1 |  |
| 7  | BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 5    | F05007-123 | 6 |  |
| 8  | WASHER, 3/8" SPLIT LOCK                   | F05011-4   | 6 |  |
| 9  | PLATE, BALLSCREW MOUNT SHIM               | 016800     | 4 |  |
| 10 | GROMMET, 9/32" HOLE X 3/16" ID X 7/16" OD | 042825     | 1 |  |
| 11 | SCREW, 1/4-28 X 1/4" BRASS TIP SOCKET SET | F05005-42  | 1 |  |
| 12 | SPACER, 17/64" ID X 1/2" OD X 2 3/4" LONG | 042821     | 2 |  |
| 13 | PLATE, BALLSCREW SENSOR MOUNT             | 042815     | 1 |  |
| 14 | WASHER, 1/4" SPLIT LOCK                   | F05011-14  | 2 |  |
| 15 | BOLT, 1/4-20 X 3 1/4" SOCKET HEAD         | F05005-154 | 2 |  |
| 16 | COLLAR, BALLSCREW NUT STOP                | 042822     | 1 |  |
| 17 | PIN, 3/8" X 2 1/2" ROLL                   | F05012-114 | 1 |  |
| 18 | WASHER, 3/8" SAE FLAT                     | F05011-3   | 6 |  |
| 19 | SENSOR, IND PROX M12 PNP NS EX            | 051439     | 1 |  |

### 5.5 Ballscrew Mount (Top)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
| 1   | BELLOWS, 5" ID X 62" BALLSCREW PROTECTIVE                    | 042823    | 1    |
| 2   | CLAMP, BALLSCREW BELLOWS                                     | 042419    | 1    |
| 3   | MOUNT WELDMENT, TOP BELLOWS                                  | 042814    | 1    |
| 4   | WASHER, 1/2" SPLIT LOCK                                      | F05011-9  | 4    |
| 5   | BOLT, 1/2-13 X 1 1/2" HEX HEAD                               | F05008-33 | 4    |
| 6   | GUARD PARTS ( <a href="#">See Section 5.3</a> )              |           |      |
| 7   | BOLT, 3/8-16 X 1 1/2" HEX HEAD                               | F05007-3  | 2    |
| 8   | WASHER, 3/8" SAE FLAT  | F05011-3  | 4    |
| 9   | NUT, 3/8-16 HEX NYLON LOCK                                   | F05010-10 | 2    |

## 5.6 Head Stop



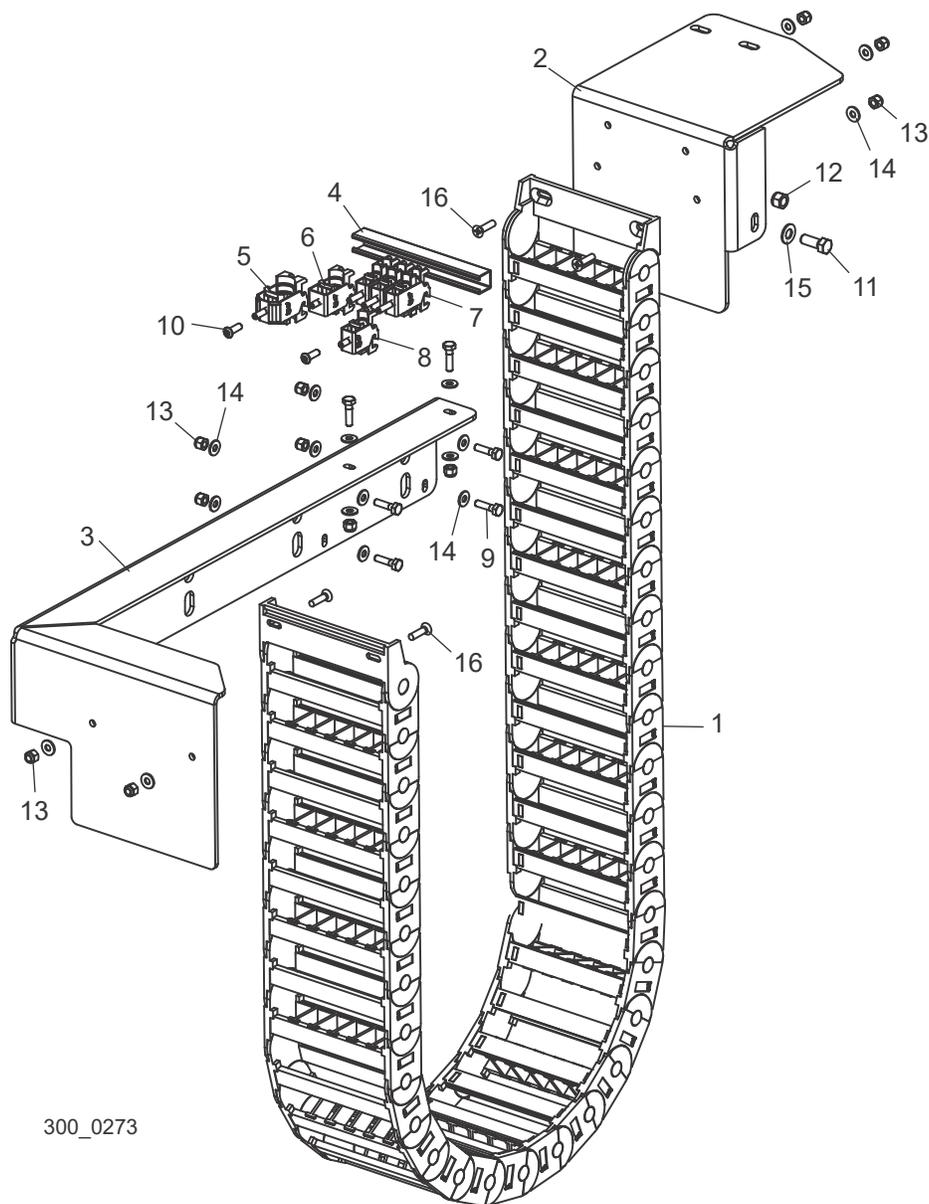
300\_0256-1

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |  |
|-----|--|-----------|------|--|
| 1   | BLOCK, HEAD STOP   | 023886    | 1    |  |
| 2   | WASHER, 3/8" SPLIT LOCK                                      | F05011-4  | 5    |  |
| 3   | BOLT, 3/8-16 X 1 1/2 HEX HEAD GRADE 5                        | F05007-78 | 5    |  |
| 4   | NUT, 1/2-13 HEX JAM  | F05010-31 | 1    |  |
| 5   | BOLT, 1/2-13 X 1 1/2" HEX HEAD GRADE 5                       | F05008-33 | 1    |  |

## 5.7 Up/Down Energy Chain Assembly

WM4000

Rev. A1.00+



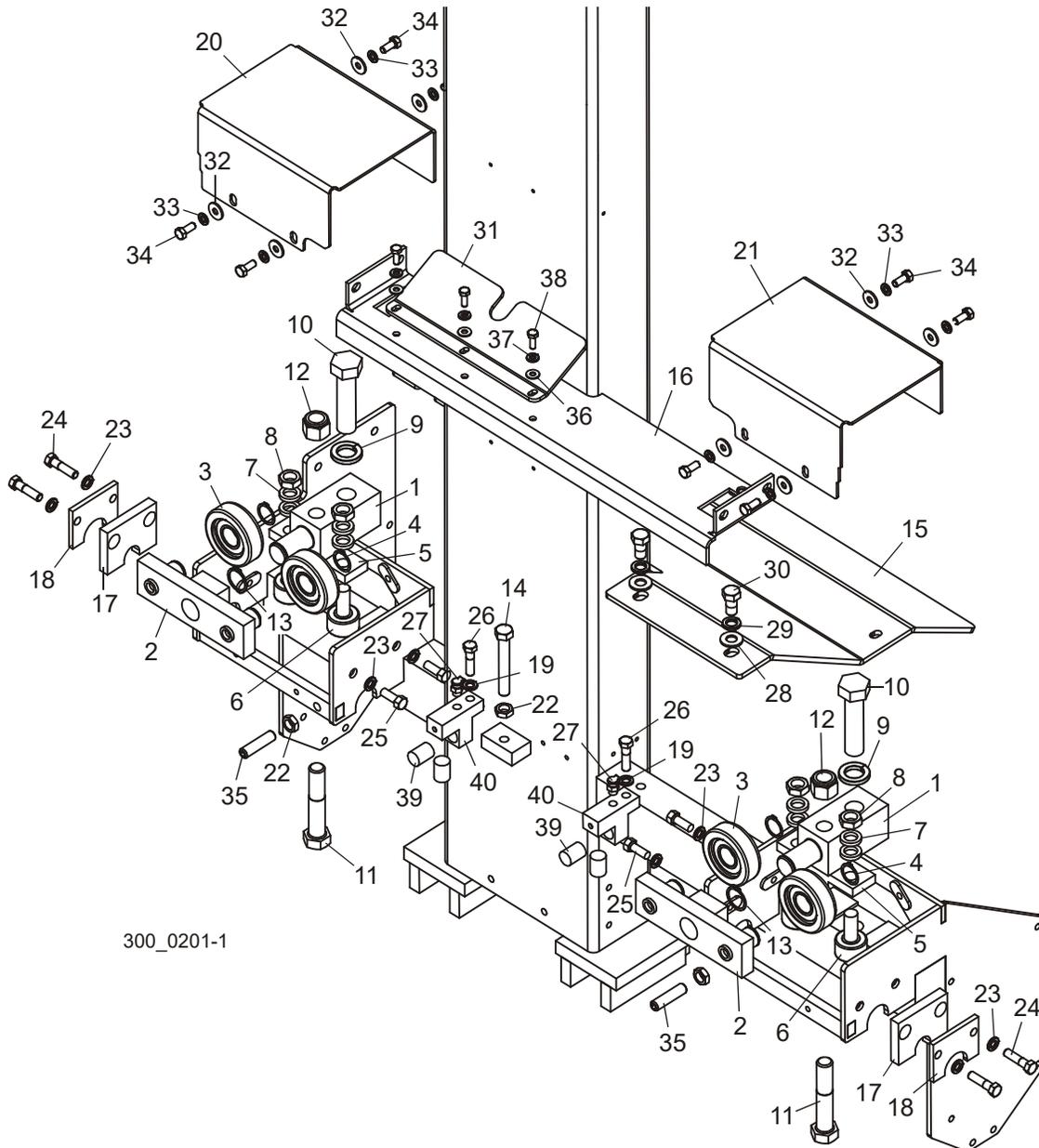
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| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>CHAIN ASSEMBLY, UP/DOWN ENERGY (WM4000)</b>               | 074052 | 1    |
| 1   | Chain Assembly, Industrial Mill Up/down 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    |

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

## SECTION 6 POWER FEED

### 6.1 Upper Track Rollers

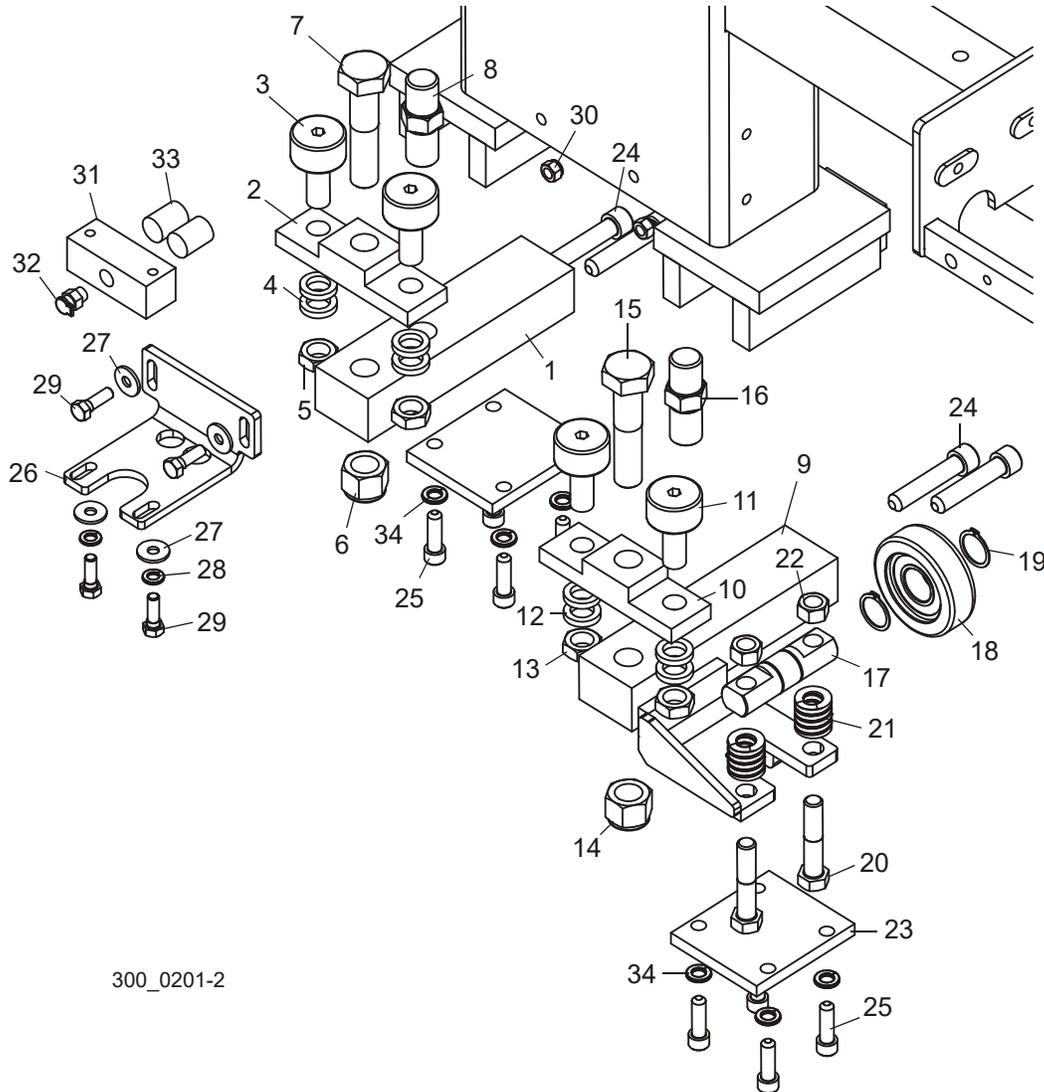


300\_0201-1

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>BLOCK ASSEMBLY, UPPER TRACK ROLLER</b>                    | 042506 | 2    |
| 1   | Block, Upper Track Roller Mount                              | 042505 | 1    |
| 2   | Block Assembly, Upper Roller                                 | 042507 | 1    |
| 3   | Bearing, MG305DDA  | 023857 | 2    |

|    |   |            |    |  |
|----|---|------------|----|--|
| 4  | Ring, 1" Outside Retaining                        | F04254-15  | 2  |  |
| 5  | Block, Track Roller Mount                         | 042500     | 1  |  |
| 6  | Bearing, 1 1/2" Track Roller                      | 012797     | 2  |  |
| 7  | Spacer, 41/64" x 1" x 3/16"                       | S12480     | 4  |  |
| 8  | Nut, 5/8-18 Hex Jam                               | F05010-11  | 2  |  |
| 9  | Washer, 7/8" Split Lock                           | F05011-46  | 1  |  |
| 10 | Bolt, 7/8-14 x 3 1/2" Hex Head Grade 5            | F05014-1   | 1  |  |
| 11 | Bolt, 3/4-10 x 4" Hex Head Grade 5                | F05013-3   | 1  |  |
| 12 | Nut, 3/4-10 Hex Nylon Lock                        | F05010-103 | 1  |  |
| 13 | Ring, 1 1/8" External Retaining Ring              | F04254-36  | 1  |  |
| 14 | <b>BOLT, 1/2-13 X 3 1/2" HEX HEAD FULL THREAD</b> | F05008-11  | 1  |  |
| 15 | <b>GUARD, MOTOR</b>                               | 065961     | 1  |  |
| 16 | <b>COVER WELDMENT, UPPER TRACK ROLLER CENTER</b>  | 042391     | 1  |  |
| 17 | <b>PAD, PLASTIC WIPER</b>                         | 045175     | 2  |  |
| 18 | <b>PLATE, WIPER PAD</b>                           | 045176     | 2  |  |
| 19 | <b>WASHER, 3/8" SPLIT LOCK</b>                    | F05011-4   | 2  |  |
| 20 | <b>COVER, RIGHT UPPER TRACK ROLLER</b>            | 042394     | 1  |  |
| 21 | <b>COVER, LEFT UPPER TRACK ROLLER</b>             | 042368     | 1  |  |
| 22 | <b>NUT, 1/2-13 HEX JAM</b>                        | F05010-31  | 3  |  |
| 23 | <b>WASHER, 3/8" SPLIT LOCK</b>                    | F05011-4   | 10 |  |
| 24 | <b>BOLT, 3/8-16 X 1 1/2" HEX HEAD</b>             | F05007-3   | 4  |  |
| 25 | <b>BOLT, 3/8-16 X 1" HEX HEAD</b>                 | F05007-7   | 4  |  |
| 26 | <b>BOLT, 3/8-16 X 1 1/2" HEX HEAD</b>             | F05007-3   | 2  |  |
| 27 | <b>FITTING, 1/8" NPT OIL W/COVER</b>              | 036333     | 2  |  |
| 28 | <b>WASHER, 1/2" SAE FLAT</b>                      | F05011-2   | 2  |  |
| 29 | <b>WASHER, 1/2" SPLIT LOCK</b>                    | F05011-9   | 2  |  |
| 30 | <b>BOLT, 1/2-13 X 1" HEX HEAD</b>                 | F05008-50  | 2  |  |
| 31 | <b>PLATE, SAWDUST RAMP</b>                        | 016801     | 1  |  |
| 32 | <b>WASHER, 5/16" STANDARD FLAT</b>                | F05011-16  | 8  |  |
| 33 | <b>WASHER, 5/16" SPLIT LOCK</b>                   | F05011-13  | 8  |  |
| 34 | <b>BOLT, 5/16-18 X 3/4" HEX HEAD</b>              | F05006-5   | 8  |  |
| 35 | <b>SCREW, 1/2-13 X 2" FLAT POINT SOCKET SET</b>   | F05008-130 | 2  |  |
| 36 | <b>WASHER, 1/4" SAE FLAT</b>                      | F05011-11  | 3  |  |
| 37 | <b>WASHER, 1/4" SPLIT LOCK</b>                    | F05011-14  | 3  |  |
| 38 | <b>BOLT, 1/4-20 X 3/4" HEX HEAD</b>               | F05005-129 | 3  |  |
| 39 | <b>PAD, ROUND FELT WIPER</b>                      | 033375     | 4  |  |
| 40 | <b>BLOCK, UPPER TRACK OILER</b>                   | 045045     | 2  |  |

## 6.2 Lower Track Rollers



300\_0201-2

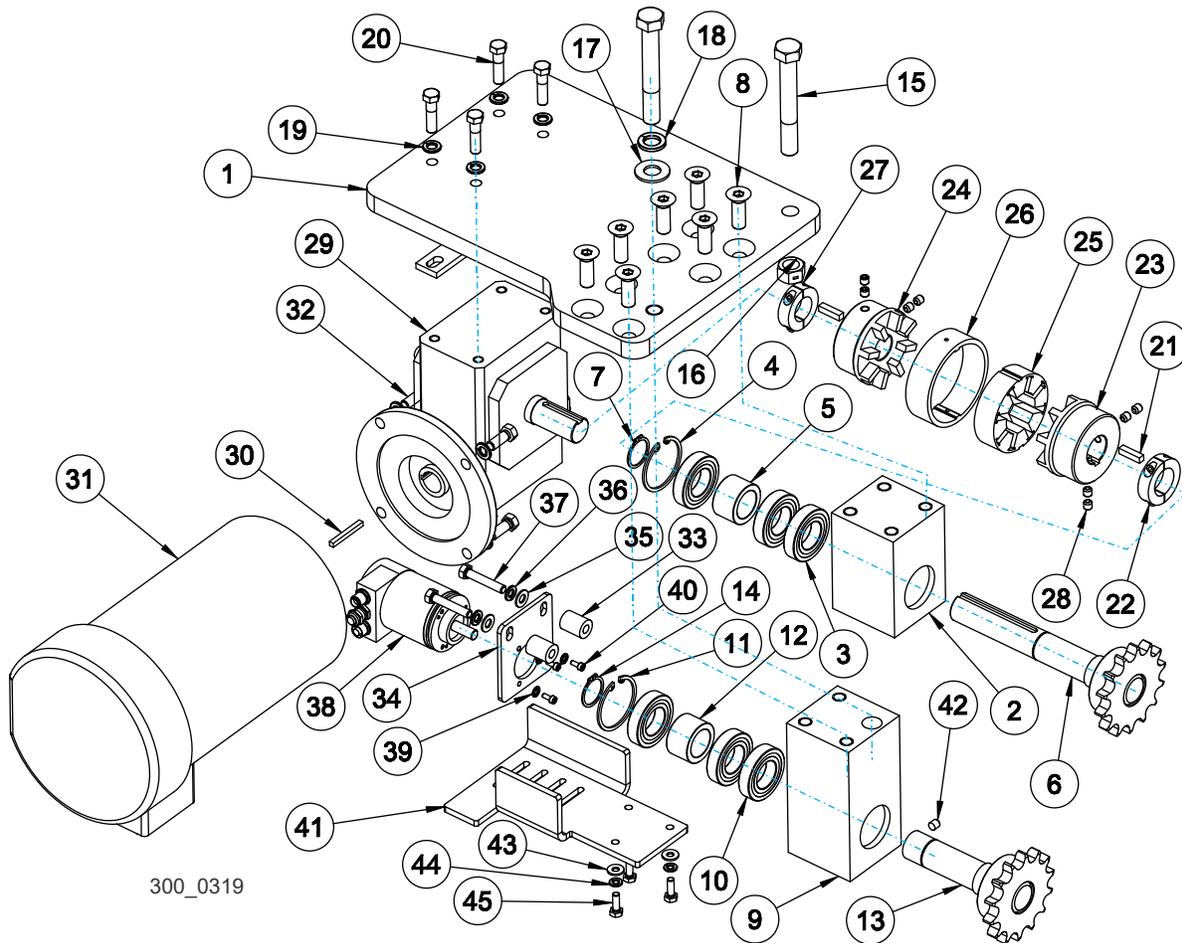
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>BLOCK ASSEMBLY, LOWER TRACK ROLLER</b>                    | 036345     | 1    |
| 1   | Block Weldment, Lower Track Roller Mount                     | 036326     | 1    |
| 2   | Block, Track Roller Mount                                    | 042500     | 1    |
| 3   | Bearing, 1 1/2" Track Roller                                 | 012797     | 2    |
| 4   | Spacer, 41/64" x 1" x 3/16"                                  | S12480     | 4    |
| 5   | Nut, 5/8-18 Hex Jam  | F05010-11  | 2    |
| 6   | Nut, 3/4-10 Hex Nylon Lock                                   | F05010-103 | 1    |
| 7   | Bolt, 3/4-10 x 3 1/2" Hex Head                               | F05009-54  | 1    |
| 8   | Pin, Head Safety Lock (Threaded)                             | 036324     | 1    |
|     | <b>BLOCK ASSEMBLY, LOWER TRACK ROLLER W/BOTTOM ROLLER</b>    | 036701     | 1    |

|    |  |            |   |  |
|----|--|------------|---|--|
| 9  | Block Weldment, Lower Track Roller Mount w/Bottom Roller | 036700     | 1 |  |
| 10 | Block, Track Roller Mount                                | 042500     | 1 |  |
| 11 | Bearing, 1 1/2" Track Roller                             | 012797     | 2 |  |
| 12 | Spacer, 41/64" x 1" x 3/16"                              | S12480     | 4 |  |
| 13 | Nut, 5/8-18 Hex Jam                                      | F05010-11  | 2 |  |
| 14 | Nut, 3/4-10 Hex Nylon Lock                               | F05010-103 | 1 |  |
| 15 | Bolt, 3/4-10 x 3 1/2" Hex Head                           | F05009-54  | 1 |  |
| 16 | Pin, Head Safety Lock (Threaded)                         | 036324     | 1 |  |
| 17 | Shaft, Bottom Roller Mount                               | 023858     | 1 |  |
| 18 | Bearing, MG305DDA  | 023857     | 1 |  |
| 19 | Ring, 1" Outside Retaining                               | F04254-15  | 2 |  |
| 20 | Bolt, 1/2-13 x 2 1/2" Hex Head Grade 5                   | F05008-74  | 2 |  |
| 21 | Spring, 1/2" ID x 1" OD x 1" Die                         | 036713     | 2 |  |
| 22 | Nut, 1/2-13 Hex Lock                                     | F05010-3   | 2 |  |
| 23 | <b>PLATE, LOWER ROLLER RETAINER</b>                      | 045158     | 2 |  |
| 24 | <b>BOLT, 1/2-20 X 2 1/2" SOCKET HEAD</b>                 | F05008-45  | 4 |  |
| 25 | <b>BOLT, 3/8-16 X 1 1/4" SOCKET HEAD</b>                 | F05007-150 | 8 |  |
| 26 | <b>PLATE, LOWER TRACK OILER MOUNT</b>                    | 042415     | 1 |  |
| 27 | <b>WASHER, 5/16" STANDARD FLAT</b>                       | F05011-16  | 4 |  |
| 28 | <b>WASHER, 5/16" SPLIT LOCK</b>                          | F05011-13  | 2 |  |
| 29 | <b>BOLT, 5/16-18 X 1" HEX HEAD</b>                       | F05006-1   | 4 |  |
| 30 | <b>NUT, 5/16-18 HEX NYLON LOCK</b>                       | F05010-58  | 2 |  |
| 31 | <b>BLOCK, LOWER TRACK OILER</b>                          | 036334     | 1 |  |
| 32 | <b>FITTING, 1/8" NPT OIL W/COVER</b>                     | 036333     | 1 |  |
| 33 | <b>PAD, ROUND FELT WIPER</b>                             | 033375     | 2 |  |
| 34 | <b>WASHER, 3/8" SPLIT LOCK</b>                           | F05011-4   | 8 |  |

### 6.3 Power Feed Drive

WM4000

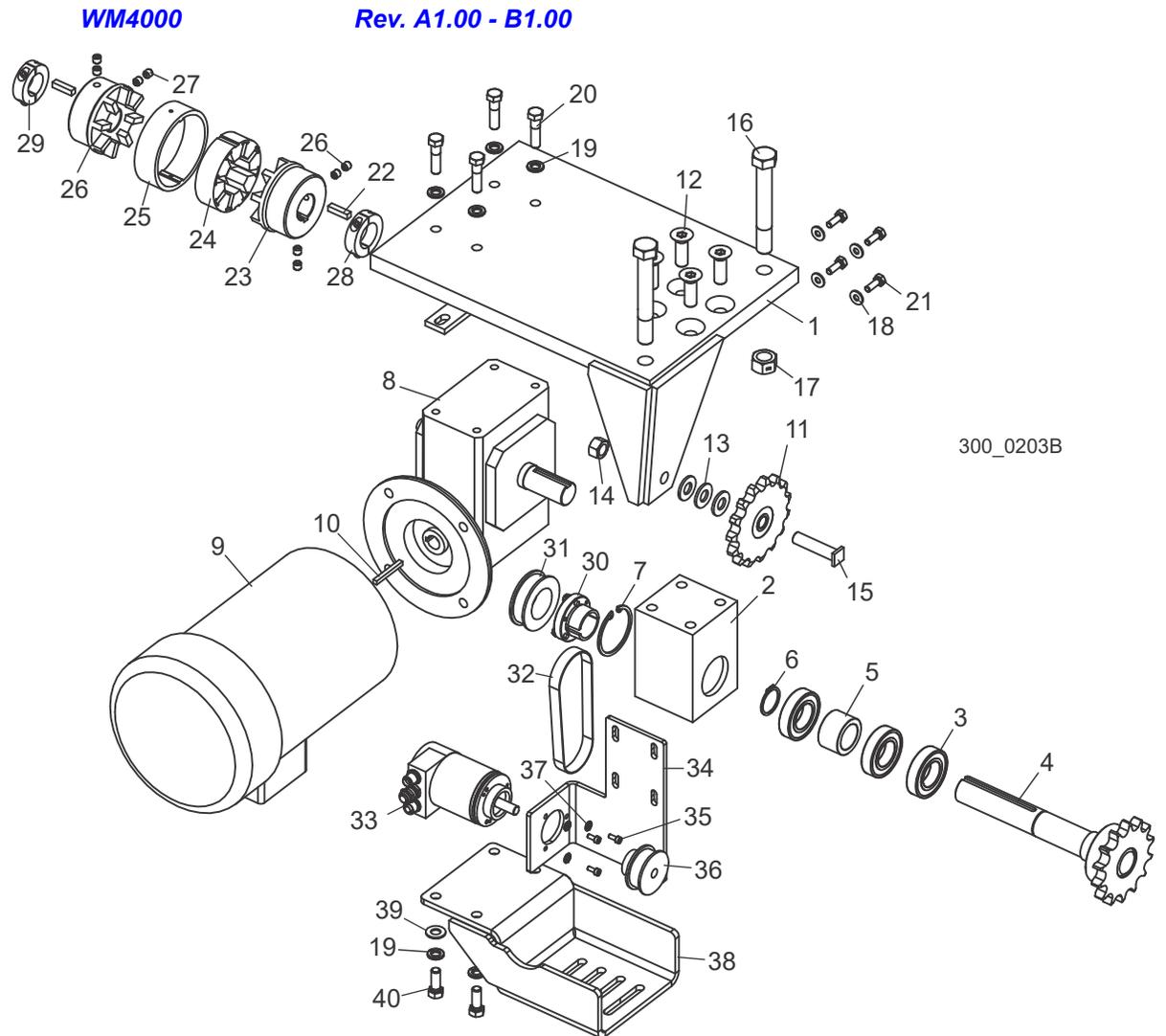
Rev. B1.01+



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>ASSEMBLY, WM4000 POWER FEED</b>                           | 108121    | 1    |
| 1   | Weldment, WM4000 P/F Mount Plate                             | 108126    | 1    |
|     | Assembly, 1-1/8 P/F Shaft Bearing                            | 042383    | 1    |
| 2   | Block, P/F Bearing Housing                                   | 042381    | 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, 1 1/8 External Retaining                               | F04254-36 | 1    |
| 8   | Screw, 1/2-13 x 1.5 FHSB B/O                                 | F05008-80 | 7    |
|     | Assembly, WM4000 P/F Idler Shaft                             | 108122    | 1    |
| 9   | Block, WM4000 P/F Encoder Housing                            | 108123    | 1    |
| 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   | 8 |  |
| 20 | Bolt, 3/8-16X1 1/2 Hex Head GR2, Zinc   | F05007-3   | 4 |  |
| 21 | Key, 1/4x1                              | S21486     | 2 |  |
| 22 | Collar, 1 1/8" Shaft, Clamp-On          | 038445     | 1 |  |
|    | Coupling, 10Rx1x1-1/8 Power Feed        | 042655     | 1 |  |
| 23 | Coupling Body, 10Rx1-1/8                | 042655-4   | 1 |  |
| 24 | Coupling Body, 10Rx1                    | 042655-1   | 1 |  |
| 25 | Coupling Spider, Urethane, 10R          | 042655-2   | 1 |  |
| 26 | Coupling Ring, Steel, 10R               | 042655-5   | 1 |  |
| 27 | Collar, 1" Shaft, Clamp-On              | 038444     | 1 |  |
| 28 | Screw, M8-1.25x8mm SH Set BO            | F05004-234 | 8 |  |
| 29 | Gearbox, WM4000 P/F IUC60-7.5:1-R-140TC | 079194     | 1 |  |
| 30 | Key, 3/16x1-3/4 Square                  | 074129     | 1 |  |
| 31 | Motor, 2HP 3P 230/460 145TC Premium Eff | 079196     | 1 |  |
| 32 | Bolt, 3/8-16x1 Gr5 Hex Head             | F05007-87  | 4 |  |
| 33 | Spacer, 11/32x3/4x.96                   | 110027     | 2 |  |
| 34 | Plate, WM4000 PF Encoder Mnt            | 110026     | 1 |  |
| 35 | Washer, 5/16 SAE Flat                   | F05011-17  | 2 |  |
| 36 | Washer, 5/16 Split Lock                 | F05011-13  | 2 |  |
| 37 | Bolt, 5/16-18x1 3/4 FT Gr5              | F05006-81  | 2 |  |
| 38 | Encoder WM4000                          | 068046     | 1 |  |
| 39 | Washer, M4 Split Washer, Zinc           | F05011-57  | 3 |  |
| 40 | Screw, M4-.7x10 SHC Zinc                | F05004-263 | 3 |  |
| 41 | Plate, WM4000 PF Encoder Guard          | 108129     | 1 |  |
| 42 | Screw, 5/16-24x3/8 SHOP Set             | F05006-40  | 1 |  |
| 43 | Washer, 1/4 SAE Flat                    | F05011-11  | 3 |  |
| 44 | Washer, 1/4 Split Lock                  | F05011-14  | 3 |  |
| 45 | Bolt, 1/4-20x3/4 Hex Head Gr5           | F05005-123 | 3 |  |

## 6.4 Power Feed Drive



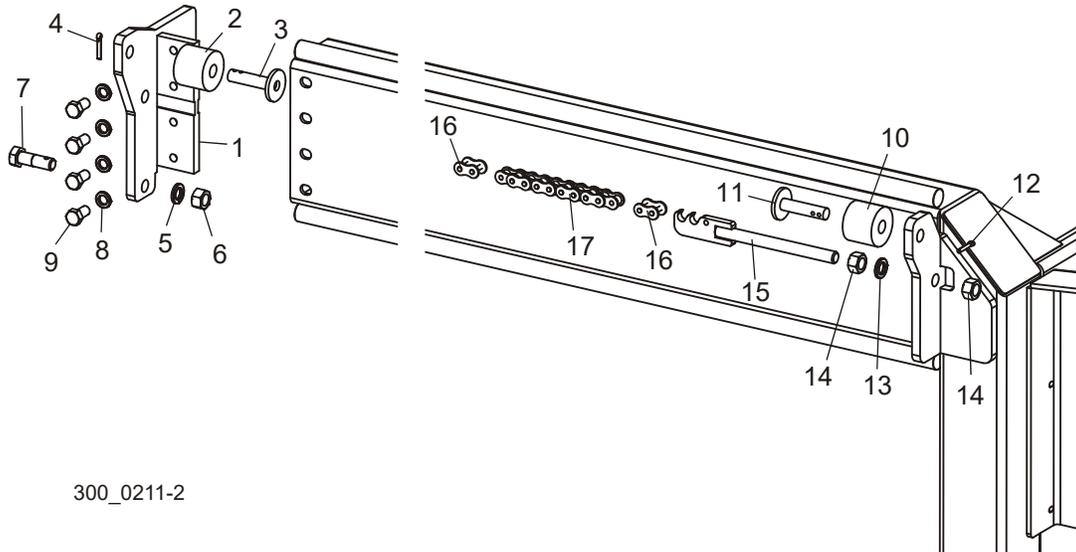
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY. |
|-----|--|---------------------|------|
|     | <b>DRIVE ASSEMBLY, WM4000 POWER FEED</b>                     | 065969 <sup>1</sup> | 1    |
| 1   | Bracket Weldment, Power Feed Drive Mount                     | 042384              | 1    |
|     | Shaft Assembly, Power Feed Drive                             | 042383              | 1    |
| 2   | Block, Power Feed Drive Shaft Bearing                        | 042381              | 1    |
| 3   | Bearing, R18   | 066798              | 3    |
| 4   | Shaft Weldment, Power Feed Drive                             | 042365              | 1    |
| 5   | Spacer, Power Feed Bearing                                   | 042387              | 1    |
| 6   | Ring, 1 1/8" Outside Retaining                               | F04254-36           | 1    |
| 7   | Ring, 2 1/8" Inside Retaining                                | F04254-38           | 1    |
| 8   | Gearbox, WM4000 P/F IUC60-7.5:1-R-140TC                      | 079194 <sup>2</sup> | 1    |

|    |  |                     |   |  |
|----|--|---------------------|---|--|
| 9  | Motor, 2HP 3P 230/460 145TC Premium Eff        | 079196 <sup>2</sup> | 1 |  |
| 10 | Key, 3/16" Square x 1 3/4" Long                | 074129              | 1 |  |
| 11 | Sprocket, 6015 x 1/2" Idler                    | 042367              | 1 |  |
| 12 | Screw, 1/2-13 x 1 1/2" Flat Socket Head        | F05008-80           | 4 |  |
| 13 | Washer, 1/2" SAE Flat                          | F05011-2            | 3 |  |
| 14 | Nut, 1/2-13 Hex Lock                           | F05010-3            | 1 |  |
| 15 | Shaft, Power Feed Idler Sprocket               | 016828              | 1 |  |
| 16 | Bolt, 5/8-11 x 4 1/2" Hex Head Grade 5         | F05009-10           | 2 |  |
| 17 | Nut, 5/8-11 Hex Lock                           | F05010-4            | 2 |  |
| 18 | Washer, 1/4" SAE Flat                          | F05011-11           | 4 |  |
| 19 | Washer, 3/8" Split Lock                        | F05011-4            | 8 |  |
| 20 | Bolt, 3/8-16 x 1 1/2" Hex Head                 | F05007-3            | 4 |  |
| 21 | Bolt, 1/4-20 x 3/4" Hex Head Grade 5           | F05005-123          | 4 |  |
| 22 | Key, 1/4" x 1"                                 | S21486              | 2 |  |
|    | Coupling, Power Feed Shaft                     | 042655              | 1 |  |
| 23 | Coupling Body, 10R x 1 1/8"                    | 042655-4            | 1 |  |
| 24 | Coupling Spider, 10R Urethane                  | 042655-2            | 1 |  |
| 25 | Coupling Ring, 10R Steel                       | 042655-5            | 1 |  |
| 26 | Coupling Body, 10R x 1"                        | 042655-1            | 1 |  |
| 27 | Screw, M8-1.25 x 8mm Socket Head Set           | F05004-234          | 8 |  |
| 28 | Collar, 1 1/8" Shaft Clamp-On                  | 038445              | 1 |  |
| 29 | Collar, 1" Shaft Clamp-On                      | 038444              | 1 |  |
| 30 | Bushing, Encoder Timing Pulley                 | 068298              | 1 |  |
| 31 | Pulley, 16 Tooth L Timing-Belt                 | 071254              | 1 |  |
| 32 | Belt, Encoder Timing                           | 071255              | 1 |  |
| 33 | Encoder Assembly, Industrial Mill Feed         | 068046              | 1 |  |
| 34 | Bracket, Encoder                               | 068299              | 1 |  |
| 35 | Screw, M4-0.7 x 10mm PK/100                    | F05004-263          | 3 |  |
| 36 | Pulley, 10mm ID 16 Tooth                       | 071253              | 1 |  |
| 37 | Washer, 3/8" Split Washer                      | F05011-57           | 3 |  |
| 38 | Plate, PF Encoder Guard                        | 074206              | 1 |  |
| 39 | Washer, 3/8" SAE Flat                          | F05011-3            | 4 |  |
| 40 | Bolt, 3/8-16 x 1" Hex Head Grade 5             | F05007-87           | 4 |  |
|    | Oil, 8 Oz. Mobil SHC634 Bottled Synthetic Gear | L04869-4            | 1 |  |

<sup>1</sup> Power feed encoder position changed by 90 degrees and 074206 encoder guard plate and fasteners added (Rev. A3.00). To update this assembly to newer version - 108121, use 114120-KIT with new mounting assembly for mills with B1.00 version. For versions up to B1.00 use 114120-KIT, 078373-FR and 078440. Contact customer service to determine all necessary parts.

<sup>2</sup> 079194 replaces 068177 LT300 Power Feed Gearbox and 079196 replaces 042390 2HP Power Feed Motor (Rev. A8.00).

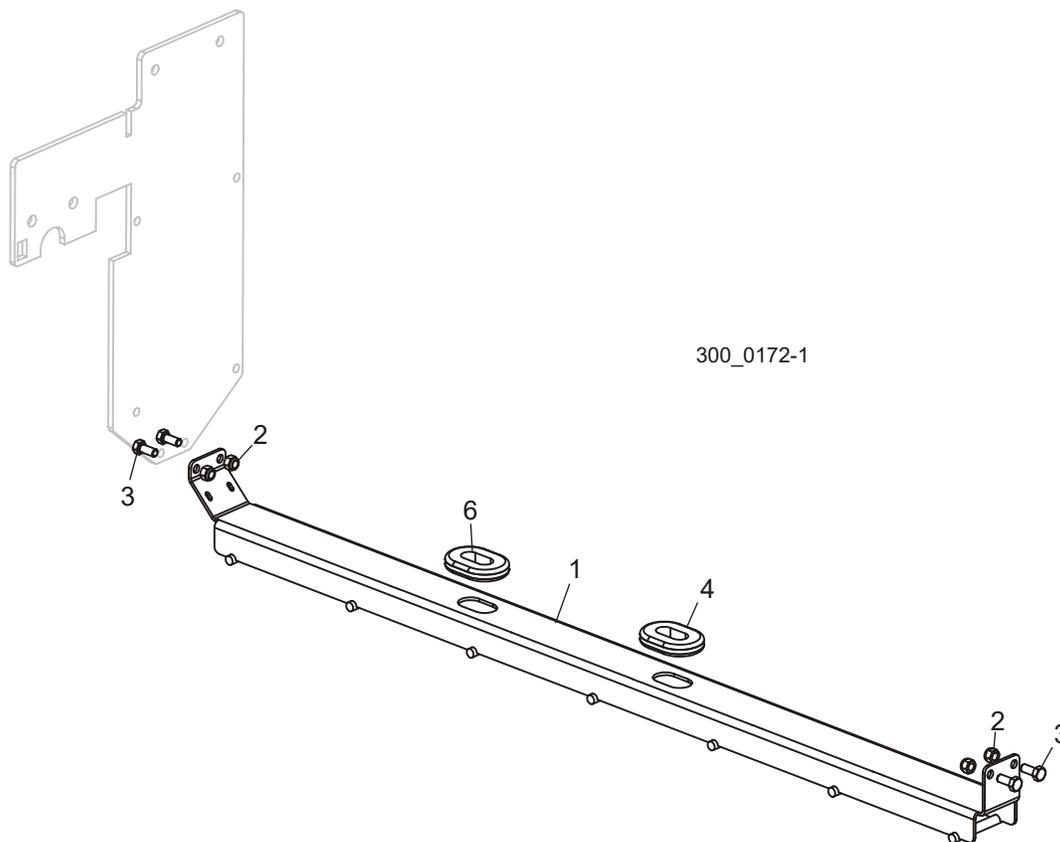
## 6.5 Feed Chain & Stops



300\_0211-2

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>STOP ASSEMBLY, FRONT SAW HEAD</b>                         | 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    |
|     | <b>STOP ASSEMBLY, WM4000 REAR HEAD</b>                       | 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, #60 x 27' Power Feed                                  | 036200     | 1    |

## 6.6 Lower Wireway

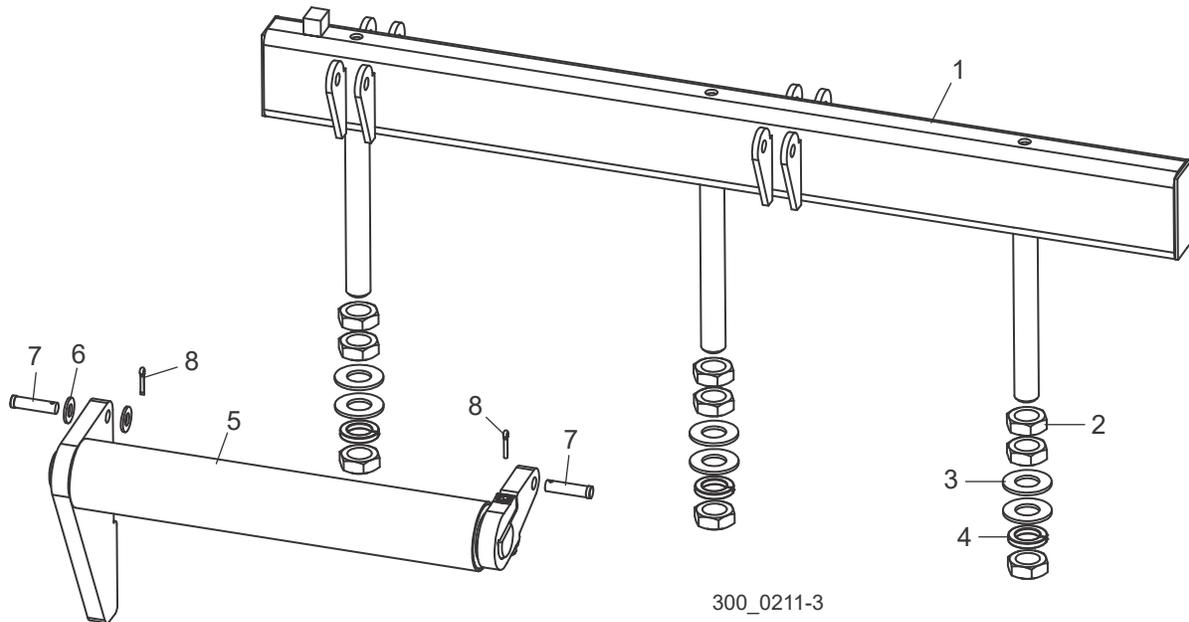


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
| 1   | CABLE CARRIER, LOWER   | 036341    | 1    |
| 2   | NUT, 5/16-18 HEX NYLON LOCK                                  | F05010-58 | 4    |
| 3   | BOLT, 5/16-18 X 3/4" HEX HEAD                                | F05006-5  | 4    |
| 4   | GROMMET, 1" X 1 3/4" OVAL RUBBER                             | 085613    | 2    |

**7** **Bed Frame**  
Bed Rail (#7)

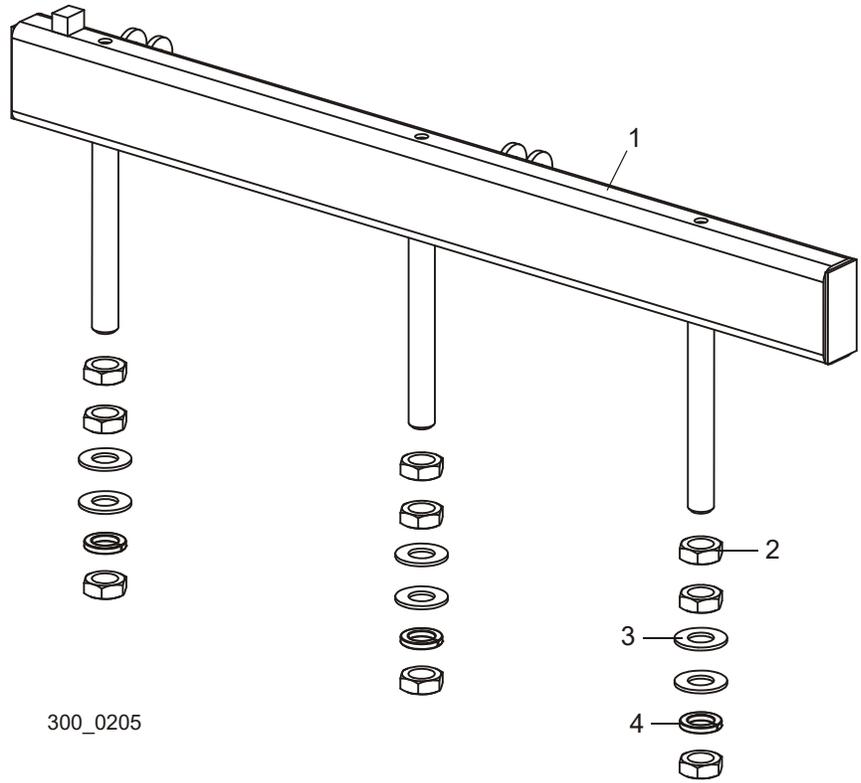
**SECTION 7 BED FRAME**

**7.1 Bed Rail (#7)**



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>RAIL ASSEMBLY, WM4000 LEFT BED RAIL (#7)</b>              | 065985     | 1    |
| 1   | Rail Weldment, Left Bed                                      | 062610     | 1    |
| 2   | Nut, 1-8 Hex Jam   | F05010-188 | 9    |
| 3   | Washer, 1" ID SAE Flat                                       | F05011-28  | 6    |
| 4   | Washer, 1" Split Lock  | F05011-53  | 3    |
|     | <b>ROLLER ASSEMBLY, REAR BOARD</b>                           | 036414     | 1    |
| 5   | Roller Assembly, Toe Board                                   | 074852     | 1    |
| 6   | Washer, 1/2" SAE Flat  | F05011-2   | 2    |
| 7   | Pin, 1/2" x 1 3/4" Clevis                                    | F05012-82  | 2    |
| 8   | Pin, 1/8" x 3/4" Cotter                                      | F05012-3   | 2    |

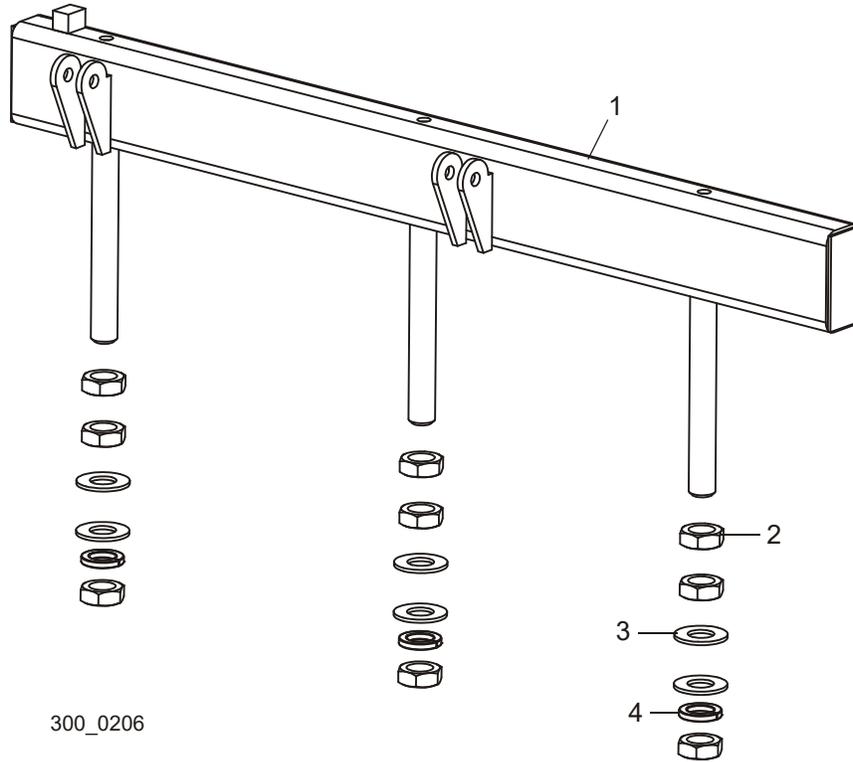
7.2 Bed Rail (#6)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>RAIL ASSEMBLY, CENTER BED (#6)</b>                        | 065984     | 1    |
| 1   | Rail Weldment, Center Bed                                    | 062609     | 1    |
| 2   | Nut, 1-8 Hex Jam   | F05010-188 | 9    |
| 3   | Washer, 1" ID SAE Flat                                       | F05011-28  | 6    |
| 4   | Washer, 1" Split Lock  | F05011-53  | 3    |

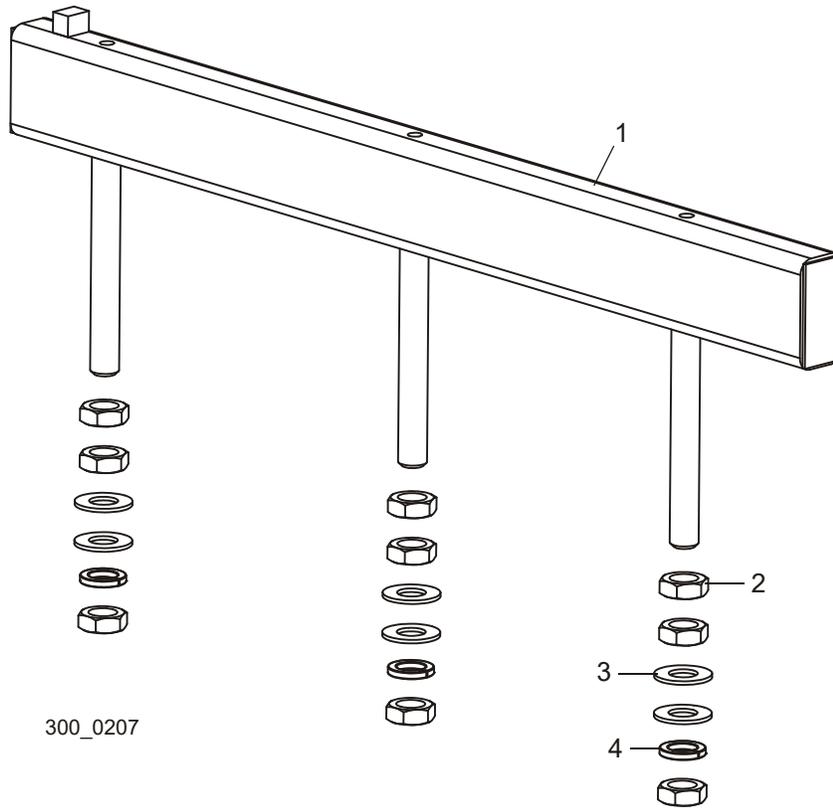
**7** **Bed Frame**  
*Bed Rail (#3)*

**7.3 Bed Rail (#3)**



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>RAIL ASSEMBLY, RIGHT BED (#3)</b>                         | 065983     | 1    |
| 1   | Rail Weldment, Right Bed                                     | 062608     | 1    |
| 2   | Nut, 1-8 Hex Jam   | F05010-188 | 9    |
| 3   | Washer, 1" ID SAE Flat                                       | F05011-28  | 6    |
| 4   | Washer, 1" Split Lock  | F05011-53  | 3    |

### 7.4 Bed Rail (#1, #2, #4 & #5)

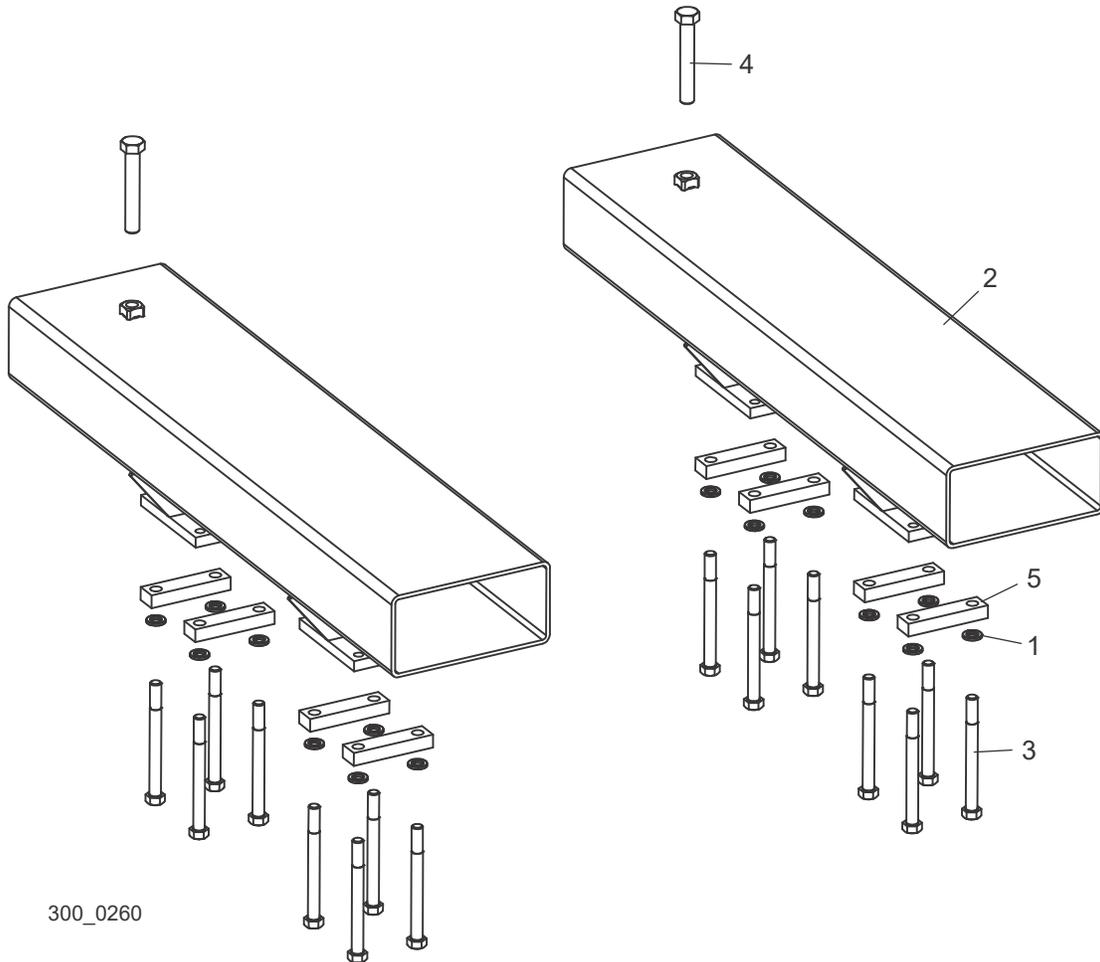


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>RAIL ASSEMBLY, BED (#1, #2, #4 &amp; #5)</b>              | 065981     | 1    |
| 1   | Rail Weldment, Bed   | 062626     | 1    |
| 2   | Nut, 1-8 Hex Jam   | F05010-188 | 9    |
| 3   | Washer, 1" ID SAE Flat                                       | F05011-28  | 6    |
| 4   | Washer, 1" Split Lock  | F05011-53  | 3    |

# 7 Bed Frame

## Fork Tube Assembly & Shim Kit

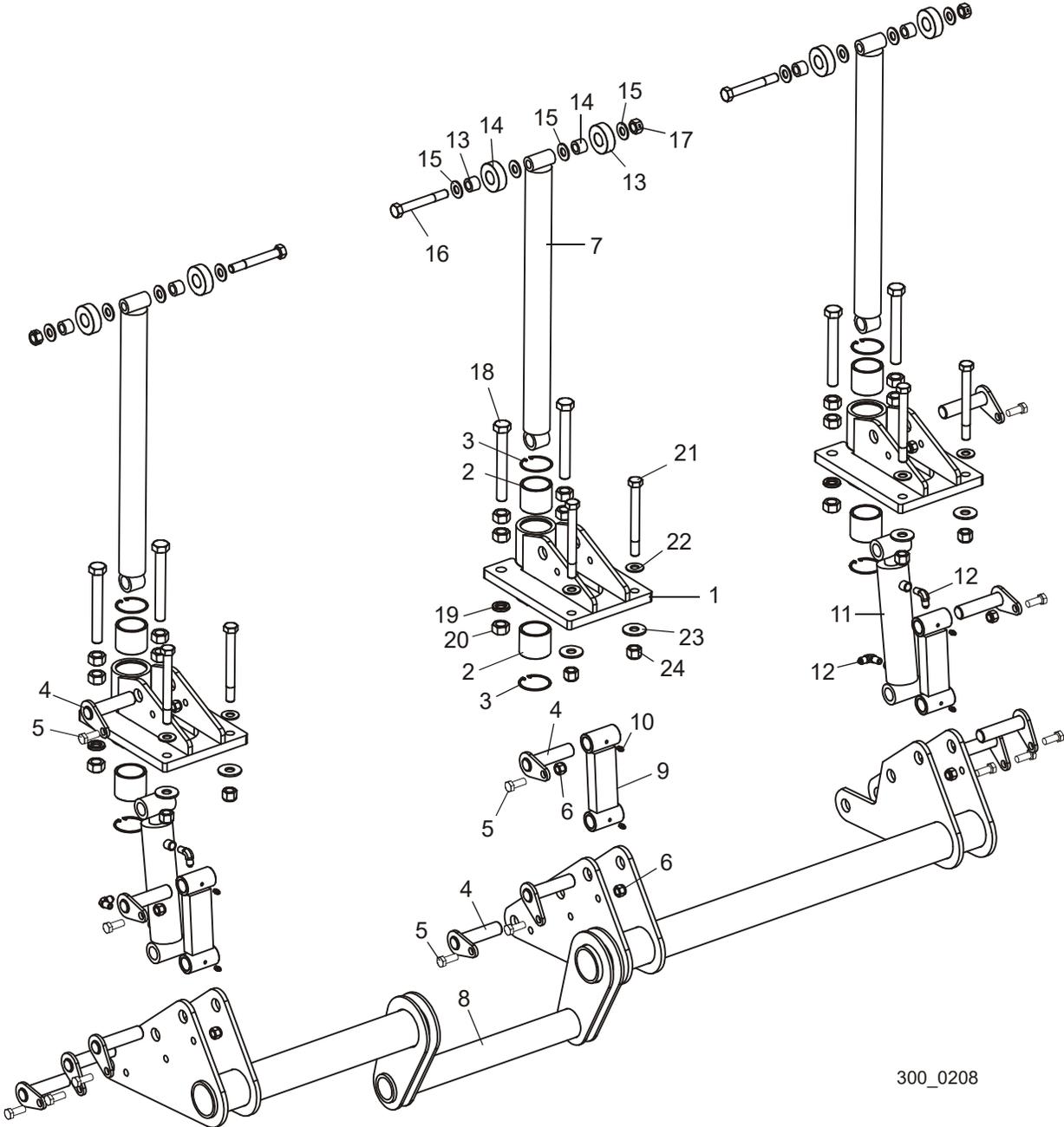
### 7.5 Fork Tube Assembly & Shim Kit



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>TUBE ASSEMBLY, FORK</b>                                   | 071279    | 1    |
| 1   | Strap, 5/8" x 1" x 4"  | 008824    | 8    |
| 2   | Tube Weldment, Fork  | 071278    | 2    |
| 3   | Bolt, 1/2-13 x 5 1/2" Hex Head Grade 5                       | F05008-28 | 16   |
| 4   | Bolt, 5/8-11 x 4" Hex Head Grade 5                           | F05009-8  | 2    |
| 5   | Washer, 1/2" Split Lock                                      | F05011-9  | 16   |
|     | <b>SHIM KIT, WM4000</b>                                      | 074032    | 1    |
|     | Plate, WM4000 14GA Shim                                      | 074032-14 | 6    |
|     | Plate, WM4000 11GA Shim                                      | 074032-11 | 6    |
|     | Plate, WM4000 7GA Shim                                       | 074032-7  | 12   |
|     | Plate, WM4000 1/4" Shim                                      | 074032-25 | 12   |

## SECTION 8 HYDRAULICS

### 8.1 Hydraulic Side Supports



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>SUPPORT ASSEMBLY, HYDRAULIC LOG SIDE</b>                  | 065964 | 1    |
| 1   | Bracket Weldment, Side Support Mount                         | 042233 | 3    |
| 2   | Bushing, Side Support  | 042262 | 6    |

## 8

## Hydraulics

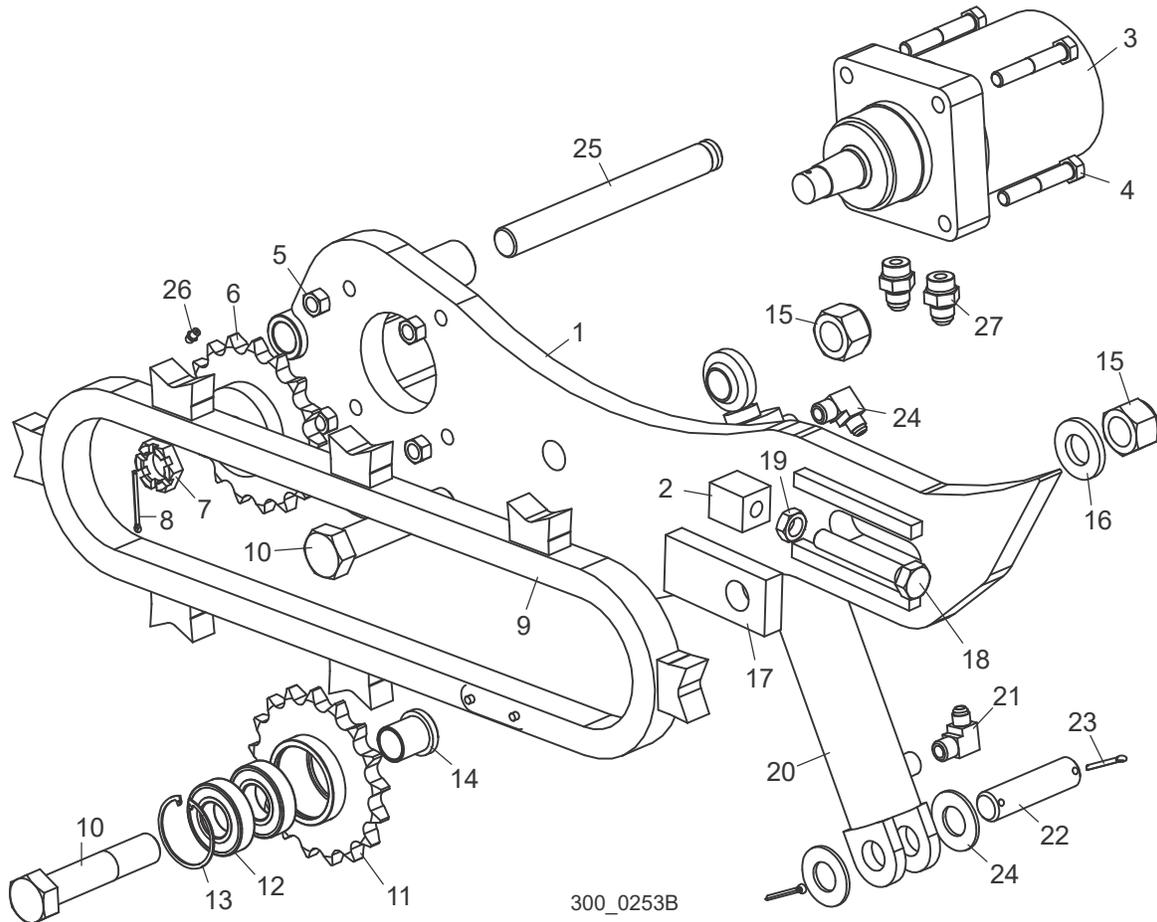
### Hydraulic Side Supports

|    |   |           |    |  |
|----|---|-----------|----|--|
| 3  | Ring, 62mm DIN #472 Inside Retaining        | F04254-12 | 6  |  |
| 4  | Pin Weldment, Side Support                  | 042232    | 13 |  |
| 5  | Bolt, 1/2-13 x 1 1/4" Hex Head Grade 5      | F05008-37 | 13 |  |
| 6  | Nut, 1/2-13 Hex Nylon Lock                  | F05010-8  | 13 |  |
| 7  | Rod Weldment, Side Support                  | 042234    | 3  |  |
| 8  | Tube Weldment, Side Support Torque 2T       | 062657    | 1  |  |
| 9  | Link Weldment, Side Support                 | 042230    | 3  |  |
| 10 | Fitting, 1/4-28 Grease                      | P05060    | 6  |  |
| 11 | Cylinder, 2" x 6" Side Support              | 035625    | 2  |  |
|    | Seal Kit, 2x6 Hydraulic Cylinder            | 003812    | 1  |  |
| 12 | Fitting, 3/8" JIC x 1/4" NPT 90° Elbow      | 015491    | 4  |  |
|    | Roller Assembly, Side Support               | 035629    | 3  |  |
| 13 | Roller, Side Support                        | 016561    | 2  |  |
| 14 | Bushing, 5/8" ID x 3/4" OD x 1" Long Bronze | 016560    | 2  |  |
| 15 | Washer, 5/8" SAE Flat                       | F05011-5  | 4  |  |
| 16 | Bolt, 5/8-11 x 4 1/2" Hex Head Grade 5      | F05009-10 | 1  |  |
| 17 | Nut, 5/8-11 Hex Lock                        | F05010-4  | 1  |  |
| 18 | Bolt, 3/4-10 x 6" Hex Head Full Thread      | F05009-43 | 6  |  |
| 19 | Washer, 3/4" Split Lock                     | F05011-6  | 6  |  |
| 20 | Nut, 3/4-10 Hex                             | F05010-7  | 18 |  |
| 21 | Bolt, 5/8-11 x 6" Hex Head Grade 5          | F05009-22 | 6  |  |
| 22 | Washer, 5/8" SAE Flat                       | F05011-5  | 6  |  |
| 23 | Washer, 5/8" Standard Flat                  | F05011-40 | 6  |  |
| 24 | Nut, 5/8-11 Hex Nylon Lock                  | F05010-34 | 6  |  |

## 8.2 Hydraulic Log Turner

WM4000

Rev. A1.00+



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>TURNER ASSEMBLY, 2-POINT CHAIN HYDRAULIC LOG</b>          | 074028    | 2    |
| 1   | Turner Weldment, 2-Point Chain Hydraulic Log                 | 074027    | 1    |
| 2   | Block, Turner Tensioner                                      | 042177    | 1    |
| 3   | Motor, Hydraulic Log Turner                                  | 007331    | 1    |
|     | Kit, Seal Rebuild  | 061427    | 1    |
| 4   | Bolt, 1/2-13 x 3" Hex Head Grade 5                           | F05008-23 | 4    |
| 5   | Nut, 1/2-13 Hex Lock   | F05010-3  | 4    |
| 6   | Sprocket Weldment, Log Turner Drive                          | 042192    | 1    |
| 7   | Nut, Hydraulic Motor Castle                                  | 018741-2  | 1    |
| 8   | Pin, 1/8" x 1 3/4" Cotter                                    | F05012-43 | 1    |
| 9   | Chain Weldment, Log Turner                                   | 006097    | 1    |
|     | Link, #2080H Master  | 016796    | 1    |

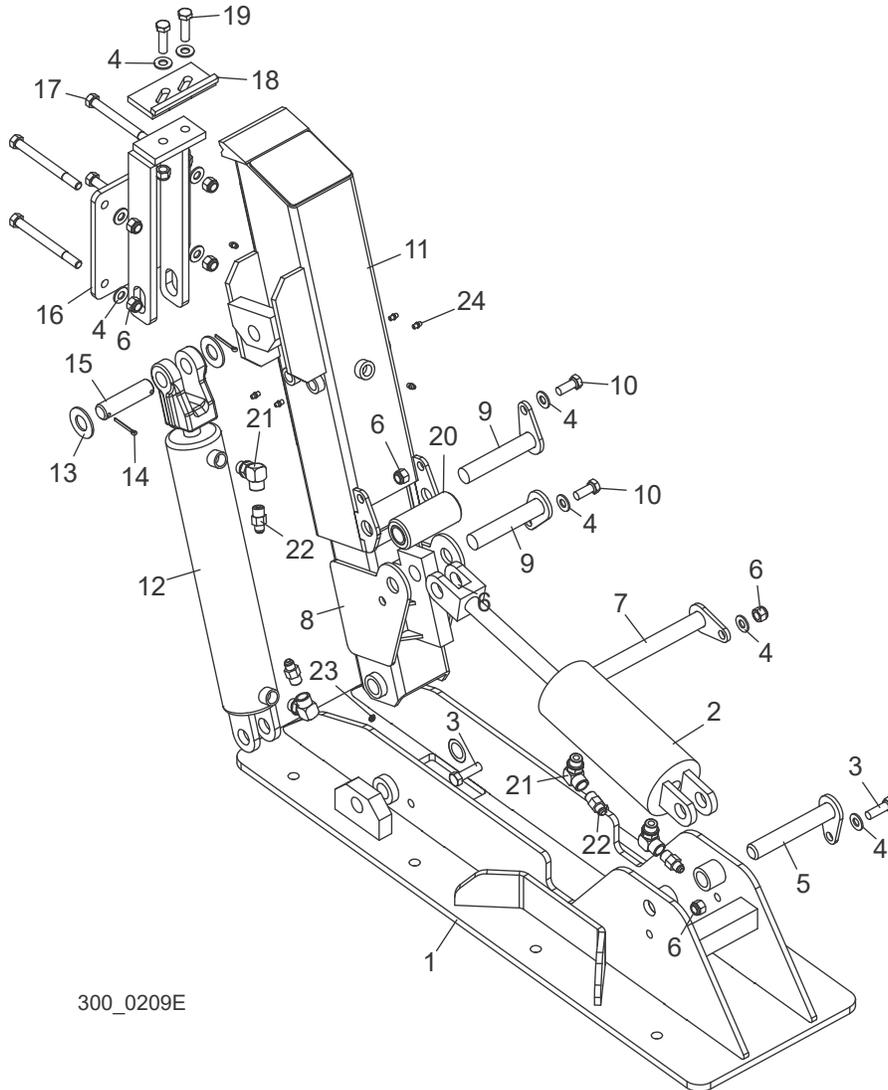
## 8

## Hydraulics

### Hydraulic Log Turner

|    |  |            |   |  |
|----|--|------------|---|--|
| 10 | Bolt, 1-8 x 5" Hex Head Grade 8                        | F05004-132 | 2 |  |
|    | Sprocket Assembly, Idler                               | 042193     | 1 |  |
| 11 | Sprocket Weldment, Idler                               | 042191     | 1 |  |
| 12 | Bearing, 6206 25 Idler                                 | P11035     | 2 |  |
| 13 | Ring, 62mm #472 DIN Inside Retaining                   | F04254-12  | 1 |  |
| 14 | Spacer, Idler Sprocket                                 | 042187     | 2 |  |
| 15 | Nut, 1-8 Hex Lock                                      | F05010-109 | 2 |  |
| 16 | Washer, 1" ID x 2" OD x 1/4"                           | 038749     | 1 |  |
| 17 | Plate, Log Turner Chain Tensioner                      | 042188     | 1 |  |
| 18 | Bolt, 5/8-11 x 4" Hex Head Full Thread Grade 5         | F05009-31  | 1 |  |
| 19 | Nut, 5/8-11 Hex Jam                                    | F05010-82  | 1 |  |
| 20 | Cylinder, 2" x 10" Welded Rod End Hydraulic            | 034267     | 1 |  |
|    | Seal Kit, 2x10 Hydraulic Cylinder                      | 003814     | 1 |  |
| 21 | Fitting, 3/8" NPT x 3/8" JIC 90° Elbow                 | 016820     | 2 |  |
| 22 | Pin, 1" x 3.88"  | S09251     | 1 |  |
| 23 | Pin, 3/16" x 1 1/2" Cotter                             | F05012-23  | 2 |  |
| 24 | Washer, 1" SAE Flat                                    | F05011-28  | 2 |  |
| 25 | Rod, Grooved Turner Mount                              | 006722     | 1 |  |
| 26 | Fitting, 1/4-28 Grease                                 | P05060     | 1 |  |
| 27 | Fitting, #10SAE - #8" JIC                              | 025963     | 2 |  |
|    | <b>BOLT, 5/8-18 X 3 1/2" HEX HEAD BOLT FULL THREAD</b> | F05009-16  | 1 |  |
|    | <b>NUT, 5/8-18 HEX</b>                                 | F05010-50  | 1 |  |

### 8.3 Hydraulic Log Clamp



300\_0209E

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)     | PART #              | QTY. |
|-----|--|---------------------|------|
|     | <b>CLAMP ASSEMBLY, FLOOR MOUNT HYDRAULIC LOG (WM4000/WM4500)</b> | 062748 <sup>1</sup> | 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

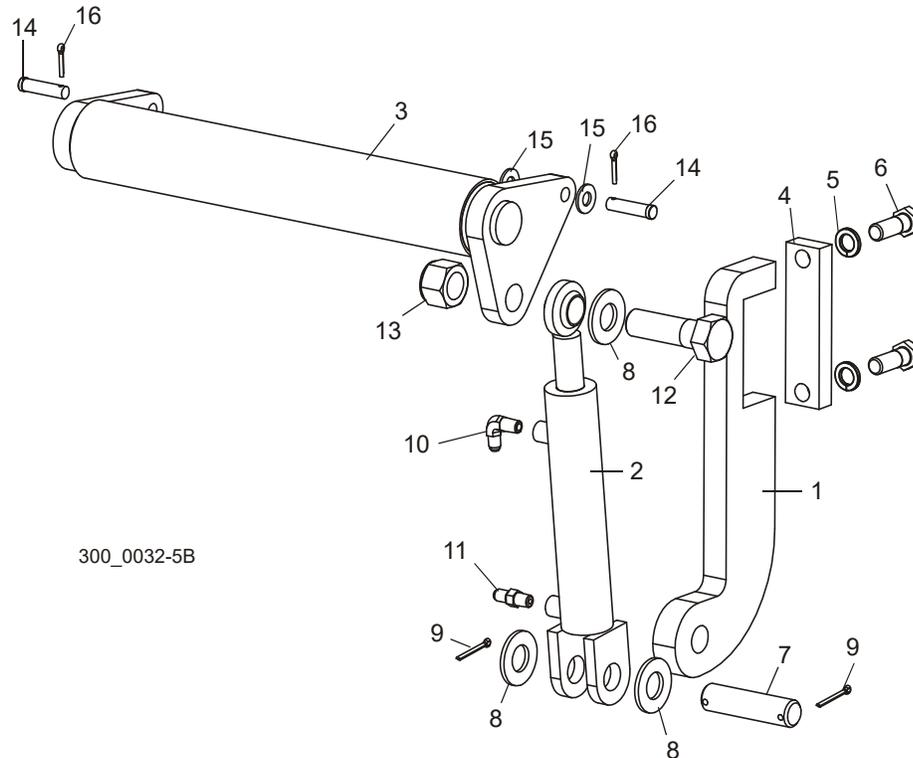
## Hydraulics

### 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, #8 SAE 90 Deg Elbow 3/8                   | 036164    | 4 |  |
| 22 | Fitting, 3/8" NPT-3/8" JIC Male Connector          | 016819    | 4 |  |
| 23 | Fitting, 3/16" NPT-3/16" Straight Grease           | P04107    | 1 |  |
|    | Fitting, 3/8" JIC Cap                              | 016816    | 4 |  |
| 24 | Fitting, 1/4-28 Grease                             | P05060    | 6 |  |

<sup>1</sup> Log clamp assembly redesigned to add (6) grease fittings (P05060) to improve durability (Rev. A5.00).

### 8.4 Hydraulic Toe Board (Front)

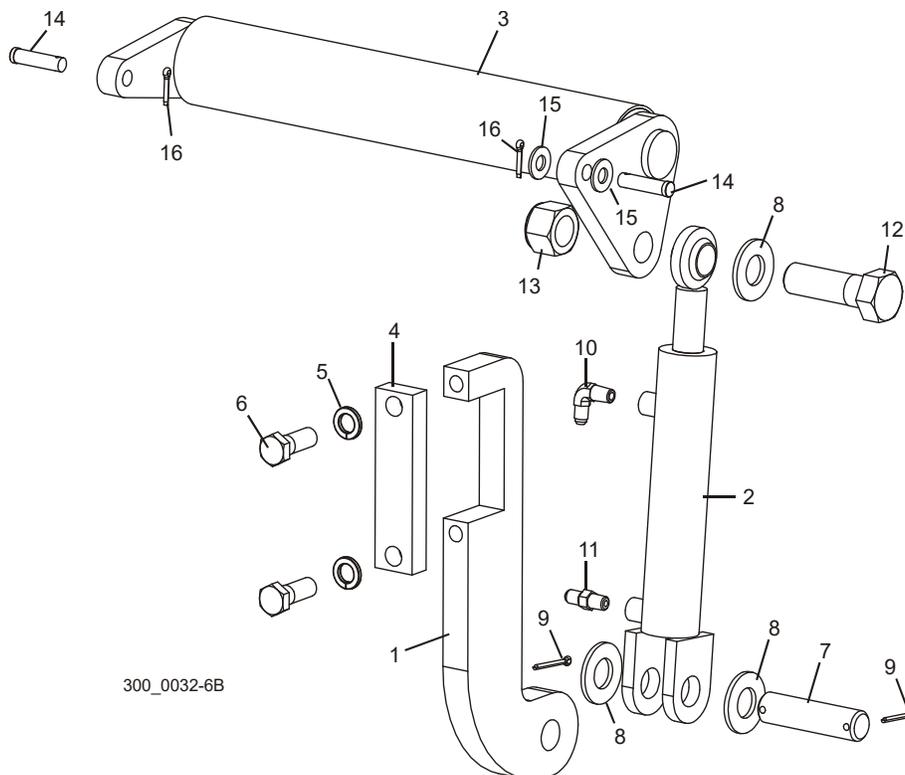


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>TOE BOARD ASSEMBLY, FRONT HYDRAULIC</b>                   | 035640     | 1    |
| 1   | Plate, Hydraulic Toe Board Mount                             | S13022     | 1    |
| 2   | Cylinder, 1 1/2" x 6" Toe Board                              | 014482     | 1    |
|     | Seal Kit, 1 1/2" x 6" Hydraulic Cylinder                     | 014547     | 1    |
| 3   | Roller Assembly, Hydraulic Toe Board                         | 074842     | 1    |
| 4   | Plate, Toe Board Strap                                       | S13023     | 1    |
| 5   | Washer, 5/8" Split Lock                                      | F05011-27  | 2    |
| 6   | Bolt, 5/8-11 x 1 3/4" Hex Head                               | F05009-33  | 2    |
| 7   | Pin, 1" x 3.88"  | S09251     | 1    |
| 8   | Washer, 1" SAE Flat  | F05011-28  | 3    |
| 9   | Pin, 3/16" x 1 1/2" Cotter                                   | F05012-23  | 2    |
| 10  | Fitting, 1/4" NPT x 1/4" JIC 90° Male Elbow                  | P09142     | 1    |
| 11  | Fitting, 1/4" NPT x 1/4" JIC Straight Male                   | P09143     | 1    |
| 12  | Bolt, 1-8 x 3 1/4" Hex Head Grade 5                          | F05009-51  | 1    |
| 13  | Nut, 1-8 Hex Lock  | F05010-109 | 1    |
| 14  | Pin, 1/2" x 1 3/4" Clevis                                    | F05012-82  | 2    |
| 15  | Washer, 1/2" SAE Flat  | F05011-2   | 2    |
| 16  | Pin, 1/8" x 3/4" Cotter                                      | F05012-3   | 2    |

# 8 Hydraulics

## Hydraulic Toe Board (Rear)

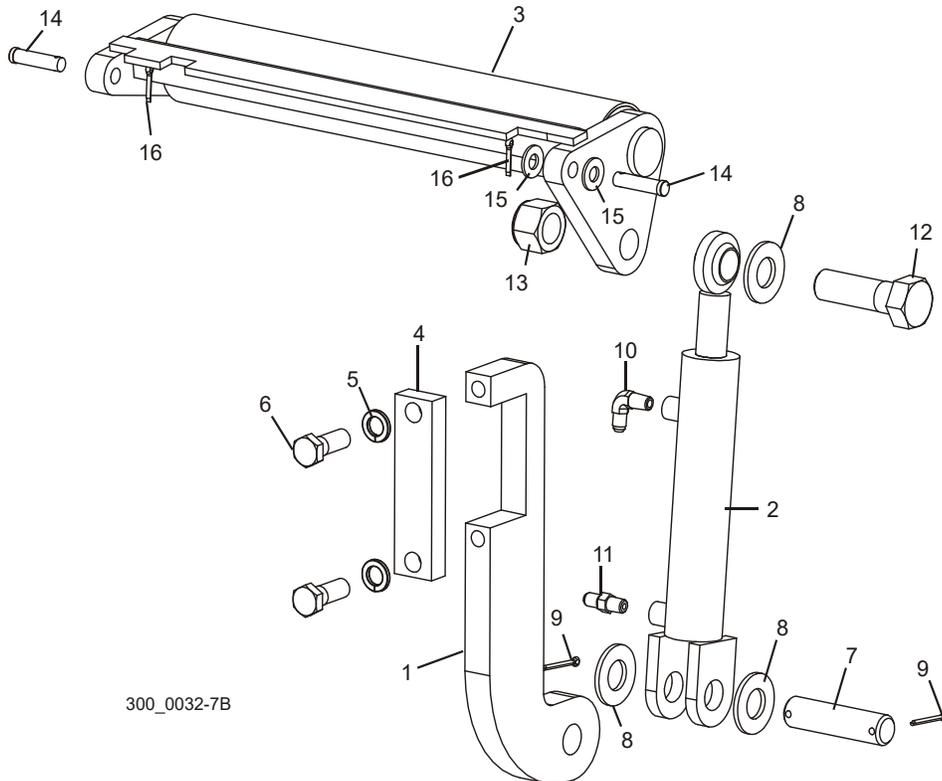
### 8.5 Hydraulic Toe Board (Rear)



300\_0032-6B

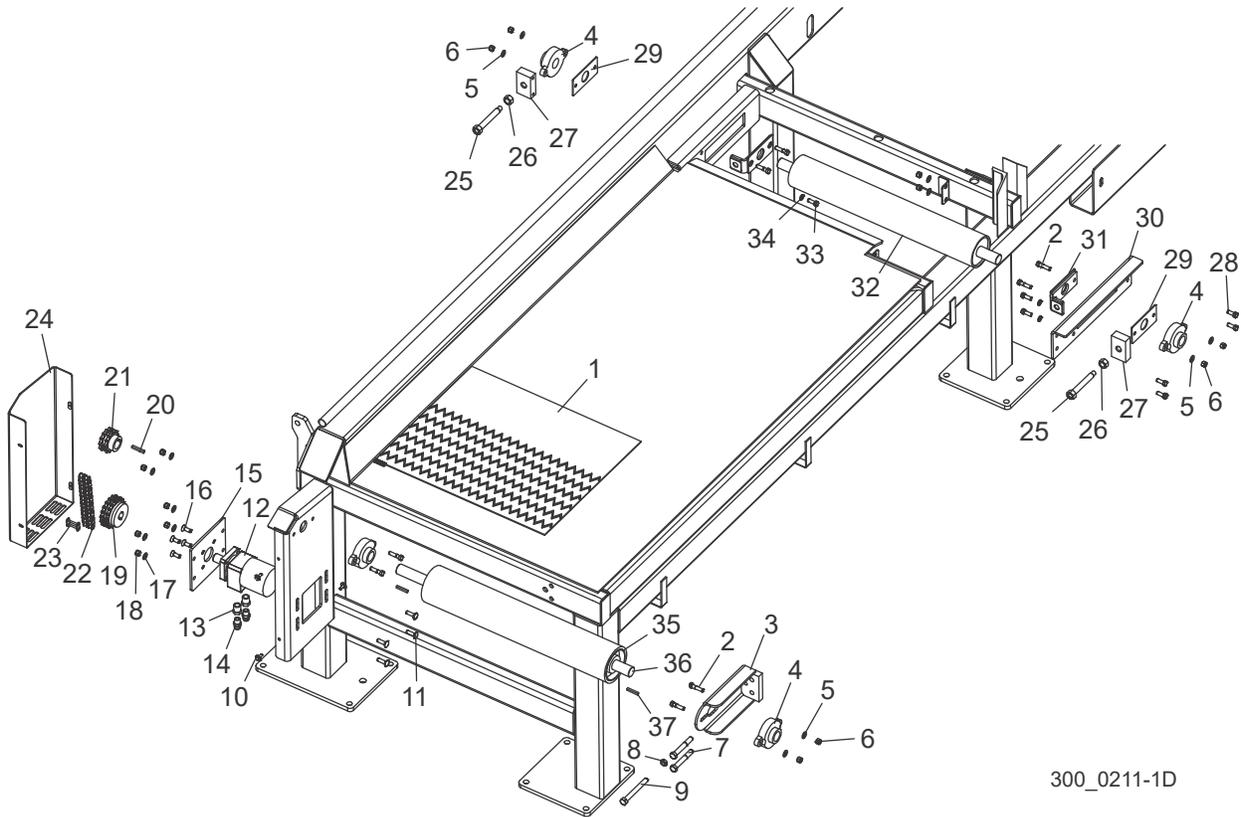
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>TOE BOARD ASSEMBLY, REAR HYDRAULIC</b>                    | 035642     | 1    |
| 1   | Plate, Hydraulic Toe Board Mount                             | S13022     | 1    |
| 2   | Cylinder, 1 1/2" x 6" Toe Board                              | 014482     | 1    |
|     | Seal Kit, 1 1/2" x 6" Hydraulic Cylinder                     | 014547     | 1    |
| 3   | Roller Assembly, Hydraulic Toe Board                         | 074851     | 1    |
| 4   | Plate, Toe Board Strap                                       | S13023     | 1    |
| 5   | Washer, 5/8" Split Lock                                      | F05011-27  | 2    |
| 6   | Bolt, 5/8-11 x 1 3/4" Hex Head                               | F05009-33  | 2    |
| 7   | Pin, 1" x 3.88"  | S09251     | 1    |
| 8   | Washer, 1" SAE Flat  | F05011-28  | 3    |
| 9   | Pin, 3/16" x 1 1/2" Cotter                                   | F05012-23  | 2    |
| 10  | Fitting, 1/4" NPT x 1/4" JIC 90° Male Elbow                  | P09142     | 1    |
| 11  | Fitting, 1/4" NPT x 1/4" JIC Straight Male                   | P09143     | 1    |
| 12  | Bolt, 1-8 x 3 1/4" Hex Head Grade 5                          | F05009-51  | 1    |
| 13  | Nut, 1-8 Hex Lock  | F05010-109 | 1    |
| 14  | Pin, 1/2" x 1 3/4" Clevis                                    | F05012-82  | 2    |
| 15  | Washer, 1/2" SAE Flat  | F05011-2   | 2    |
| 16  | Pin, 1/8" x 3/4" Cotter                                      | F05012-3   | 2    |

### 8.6 Hydraulic Toe Board (Rear w/Ramp)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>TOE BOARD ASSEMBLY, REAR HYDRAULIC W/RAMP</b>             | 035564     | 1    |
| 1   | Plate, Hydraulic Toe Board Mount                             | S13022     | 1    |
| 2   | Cylinder, 1 1/2" x 6" Toe Board                              | 014482     | 1    |
|     | Seal Kit, 1 1/2" x 6" Hydraulic Cylinder                     | 014547     | 1    |
| 3   | Roller Assembly, Hydraulic Toe Board (w/Ramp)                | 074857     | 1    |
| 4   | Plate, Toe Board Strap                                       | S13023     | 1    |
| 5   | Washer, 5/8" Split Lock                                      | F05011-27  | 2    |
| 6   | Bolt, 5/8-11 x 1 3/4" Hex Head                               | F05009-33  | 2    |
| 7   | Pin, 1" x 3.88"  | S09251     | 1    |
| 8   | Washer, 1" SAE Flat  | F05011-28  | 3    |
| 9   | Pin, 3/16" x 1 1/2" Cotter                                   | F05012-23  | 2    |
| 10  | Fitting, 1/4" NPT x 1/4" JIC 90° Male Elbow                  | P09142     | 1    |
| 11  | Fitting, 1/4" NPT x 1/4" JIC Straight Male                   | P09143     | 1    |
| 12  | Bolt, 1-8 x 3 1/4" Hex Head Grade 5                          | F05009-51  | 1    |
| 13  | Nut, 1-8 Hex Lock  | F05010-109 | 1    |
| 14  | Pin, 1/2" x 1 3/4" Clevis                                    | F05012-82  | 2    |
| 15  | Washer, 1/2" SAE Flat  | F05011-2   | 2    |
| 16  | Pin, 1/8" x 3/4" Cotter                                      | F05012-3   | 2    |

### 8.7 Bed Conveyor



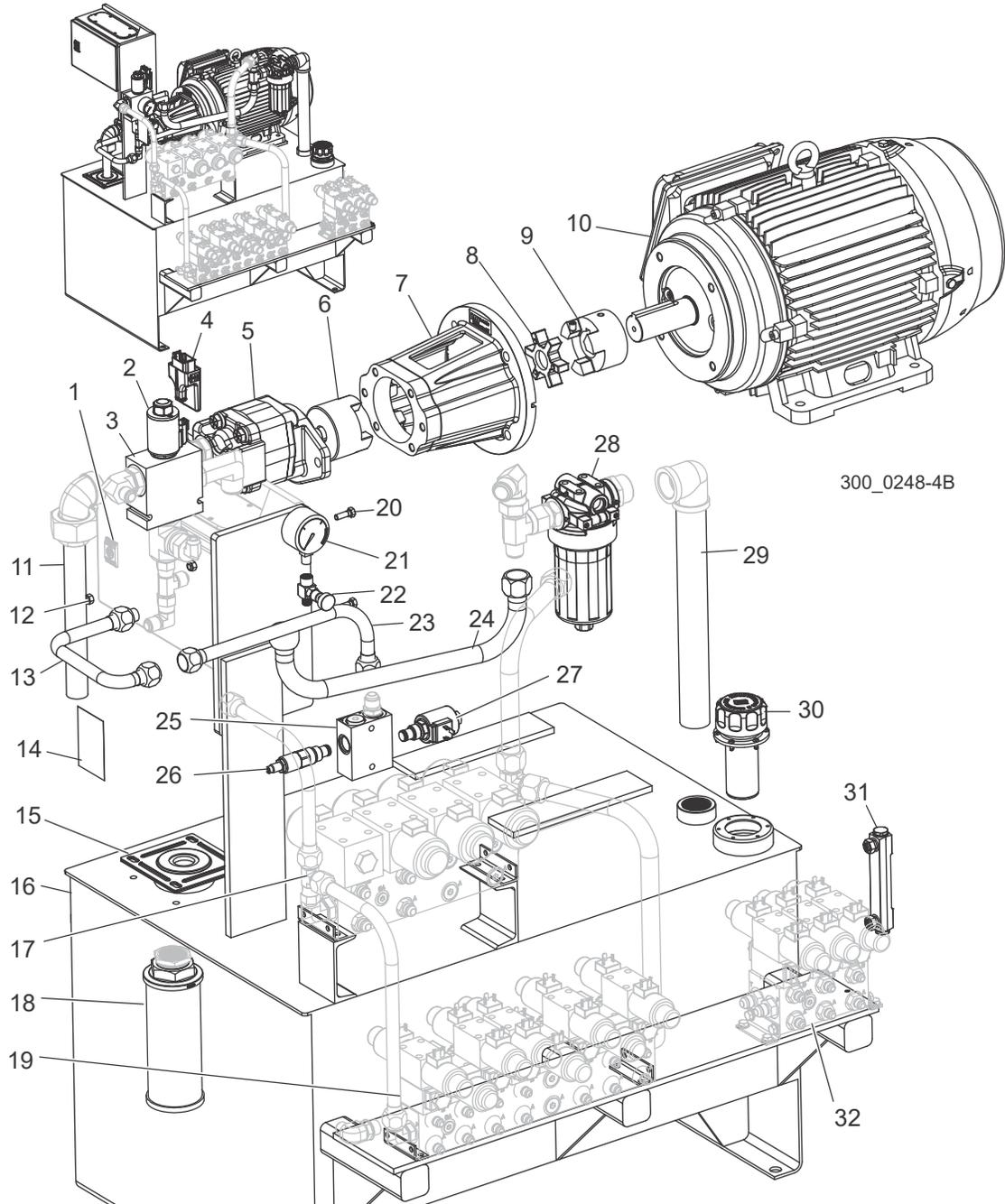
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
| 1   | BELT, CONVEYOR 24 X 181 Z-TOP                                | 071184     | 1    |
| 2   | BOLT, 3/8-16 X 1 1/2" HEX HEAD GRADE 5                       | F05007-78  | 8    |
| 3   | WELDMENT, ROLLER BEARING MOUNT                               | 071163     | 1    |
| 4   | BEARING, FLANGE 1 1/4"                                       | 016744     | 4    |
| 5   | WASHER, 3/8" FLAT SAE  | F05011-3   | 8    |
| 6   | NUT, 3/8-16 HEX NYLOC  | F05010-10  | 8    |
| 7   | BOLT, 1/2-13 X 3 1/2" HEX HEAD GRADE 5                       | F05008-61  | 2    |
| 8   | NUT, 1/2-13 JAM  | F05010-31  | 1    |
| 9   | BOLT, 1/2-13 X 4 1/2" FULL THREAD HEX HEAD                   | F05008-16  | 1    |
| 10  | BOLT, 1/4-20 X 3/4" HEX HEAD W/CONICAL WASHER                | F05005-134 | 4    |
|     | <b>MOTOR ASSEMBLY, SHORT CONVEYOR DRIVE</b>                  | 065960     | 1    |
| 11  | Bolt, 3/8-16 x 1 1/4" Carriage Grade 5                       | F05007-127 | 4    |
| 12  | Motor, Hydraulic, TBO165FP100                                | P20206     | 1    |
| 13  | Fitting, 1/2" NPT x 3/8" NPT Hex Reducer                     | 028073     | 2    |
| 14  | Fitting, 3/8NPT-#8JIC Male Connector                         | 036822     | 2    |
| 15  | Plate, Hydraulic Motor Mount                                 | 065956     | 1    |
| 16  | Screw, 3/8-16 x 1" Zinc & Bake FSHC                          | F05007-64  | 4    |
| 17  | Washer, 3/8" Flat SAE  | F05011-3   | 4    |

|    |   |                     |   |  |
|----|---|---------------------|---|--|
| 18 | Nut, 3/8-16 Hex Nyloc                   | F05010-10           | 4 |  |
| 19 | Sprocket, Double 50B18x1 Bore w/Screw   | 065957              | 1 |  |
| 20 | KEY, 1/4" X 1 11/16"                    | S04124              | 1 |  |
| 21 | SPROCKET, DOUBLE 50-13 X 1.25           | 036008              | 1 |  |
| 22 | CHAIN, DOUBLE 50 X 34-3/8 55 PITCHES    | 074209 <sup>1</sup> | 1 |  |
| 23 | LINK, 50-2 MASTER                       | 015258              | 1 |  |
| 24 | WELDMENT, WM4000 CONVEYOR DRIVE GUARD   | 074202 <sup>1</sup> | 1 |  |
| 25 | WELDMENT, SHORT ADJUSTMENT BOLT         | 065963              | 2 |  |
| 26 | NUT, 5/8-18 HEX                         | F05010-50           | 2 |  |
| 27 | BLOCK, TENSION                          | 016766              | 2 |  |
| 28 | BOLT, 3/8-16 X 1" HEX HEAD GRADE 5      | F05007-87           | 4 |  |
| 29 | PLATE, BEARING                          | 016760              | 2 |  |
| 30 | PLATE, FLAT CONVEYOR LEFT BEARING MOUNT | 071159              | 1 |  |
| 31 | WELDMENT, ROLLER ADJUSTMENT             | 016697              | 2 |  |
| 32 | PULLEY, IDLE CONVEYOR BELT              | 076962 <sup>2</sup> | 1 |  |
| 33 | BOLT, 3/8-16 X 1" HEX HEAD GRADE 8      | F05007-82           | 4 |  |
| 34 | WASHER, 3/8" SPLIT LOCK                 | F05011-4            | 4 |  |
|    | ROLLER ASSEMBLY, DRIVE                  | 016748              | 1 |  |
| 35 | Roller, Drive                           | 017831              | 1 |  |
| 36 | Shaft, Drive Roller                     | 016745              | 1 |  |
| 37 | Key, 1/4" Square x 1 3/8"               | 017832              | 2 |  |

<sup>1</sup> 074209 Chain replaces 065958 Double 50-21-7/8 35 Pitches Chain and 074202 Guard Weldment replaces 071168 Short Conveyor Drive Guard Weldment (Rev. A3.00).

<sup>2</sup> Replaced 016920 Idle Wing Pulley to improve durability (Rev. A5.02).

### 8.8 Hydraulic Power Unit



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)          | PART #                | QTY. |
|-----|---|-----------------------|------|
|     | <b>POWER UNIT ASSEMBLY, WM4000 HYDRAULIC</b>                          | 074007 <sup>1</sup>   | 1    |
| 1   | WM4000 Hydraulic Control Assembly ( <a href="#">See Section 8.9</a> ) | N/A                   | 1    |
|     | Power Unit, Hydraulic 40 Gal. 15hp 3000psi                            | 065938-1 <sup>2</sup> | 1    |

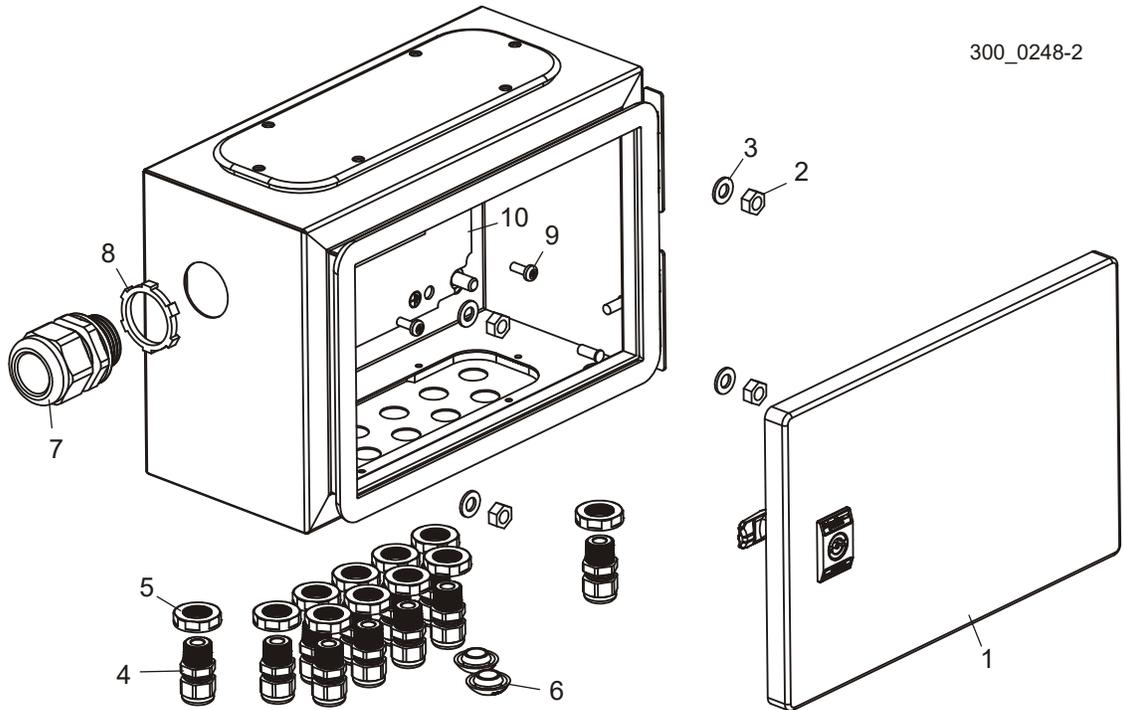
|    |  |                     |    |  |
|----|--|---------------------|----|--|
| 2  | Valve, Proportional PV72-30A                                       | 068273              | 1  |  |
| 3  | Block, Valve Body HF 7022350                                       | 061290              | 1  |  |
|    | Valve, 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 ( <a href="#">See Section 8.11</a> )        | N/A                 | 1  |  |
| 18 | Suction Strainer w/Bypass  | 078690              | 1  |  |
| 19 | D03 Manifold Assembly ( <a href="#">See Section 8.10</a> )         | 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 <sup>3</sup> | 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 ( <a href="#">See Section 12.8</a> ) | N/A                 | 1  |  |

<sup>1</sup> Replaced (2) P12703 fittings with (2) 028076 fittings to improve performance (WM4000 Rev. A3.01).

<sup>2</sup> Replaced 065938 to add hydraulic gear pump to an LSPC (Load Sensing Pressure Compensated) piston pump to eliminate pressure spikes and to make it run more efficiently (5/18). Proportional valve updated with new seals (078350 Seal Kit) and increased torque on cartridges (45 ft-lbs) (Rev. A7.00). 200 millisecond relief valve replaced with 50 millisecond relief valve by manufacturer to prevent pressure spikes from occurring (Rev. A3.00).

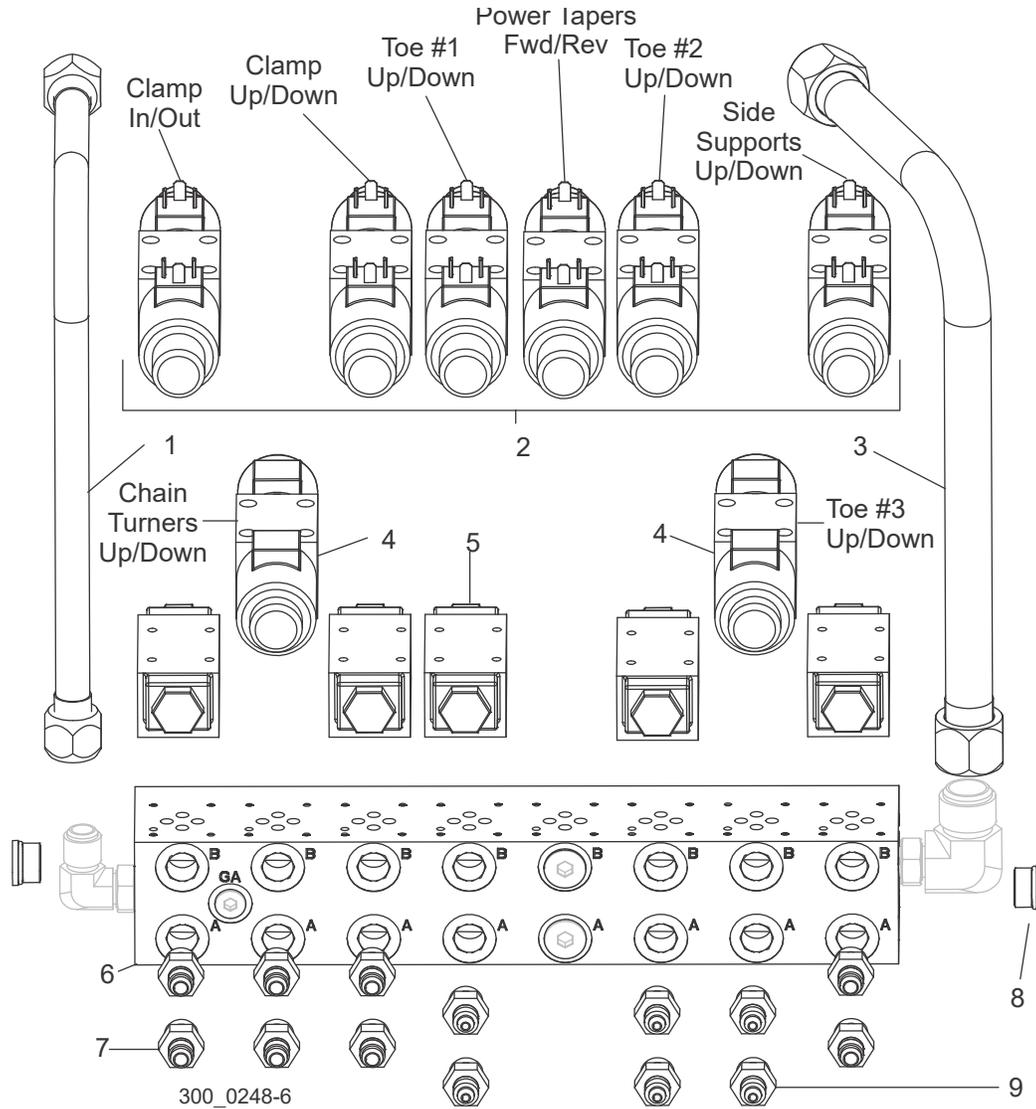
<sup>3</sup> Use 078309 Filter, Hydraulic MZ10 10Micron Synth. or equivalent filter for replacement on sawmills prior to Rev. A9.00 (in place of 068262 Filter, Return Element used on sawmills Prior to Rev. A9.00). Equivalent filter must be 10 micron or less and should have synthetic filter media, not cellulose.

### 8.9 Hydraulic Control Box



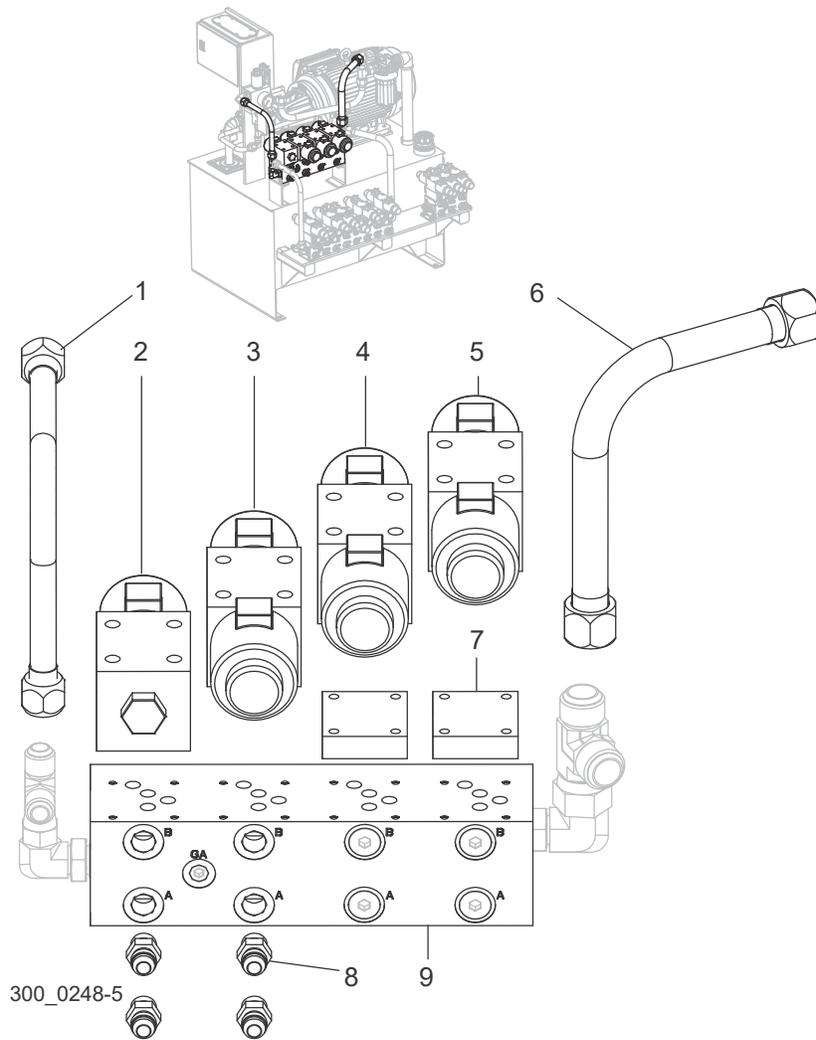
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)                       | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>CONTROL ASSEMBLY, WM4000/WM4500 HYDRAULIC</b>                                   | 069917     | 1    |
| 1   | Enclosure, Hydraulic Control   | 069918     | 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> ) |            |      |

### 8.10 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    |

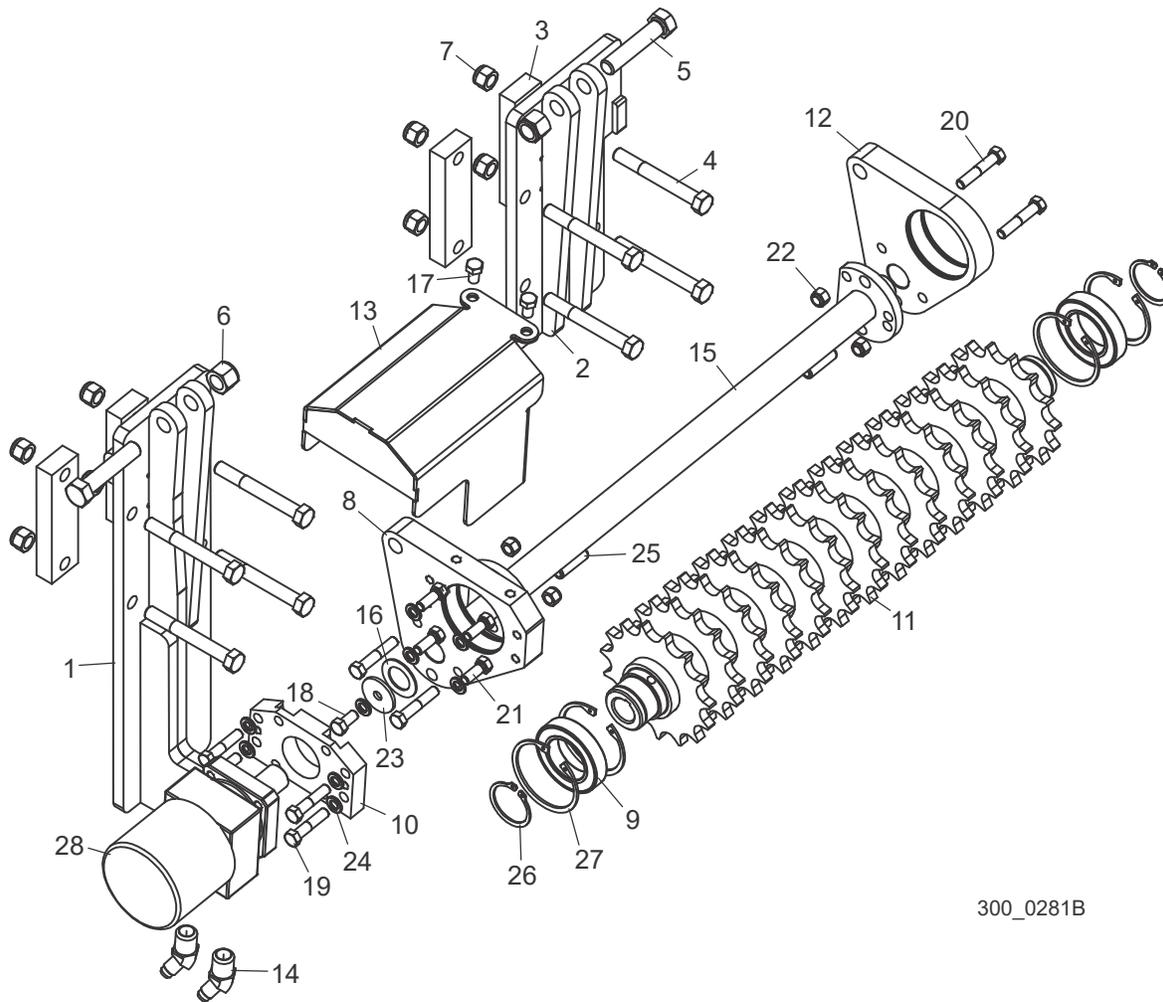
### 8.11 D05 Valve Manifold



| 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    |

## 8.12 Power Taper Set Roller (Optional)

WM4000 PTSR Rev. B.00



300\_0281B

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>BOARD ASSEMBLY, REAR ROLLER TOE</b>                       | 066880    | 1    |
|     | <b>BOARD ASSEMBLY, FRONT ROLLER TOE</b>                      | 066890    | 1    |
| 1   | Mount Weldment, Rear Toeboard Cylinder                       | 066881    | 1    |
|     | Mount Weldment, Front Toeboard Cylinder                      | 066894    | 1    |
| 2   | Mount Weldment, Rear Toeboard                                | 066885    | 1    |
|     | Mount Weldment, Front Toeboard                               | 066896    | 1    |
| 3   | Block, Toe Board Mount                                       | 066892    | 4    |
| 4   | Bolt, 1/2-13 x 4" Hex Head Grade 5                           | F05008-78 | 8    |
| 5   | Bolt, 5/8-11 x 3" Hex Head Grade 5                           | F05009-37 | 2    |
| 6   | Nut, 5/8-11 Nylon Lock                                       | F05010-34 | 2    |
| 7   | Nut, 1/2-13 Nylon Hex Lock                                   | F05010-8  | 8    |

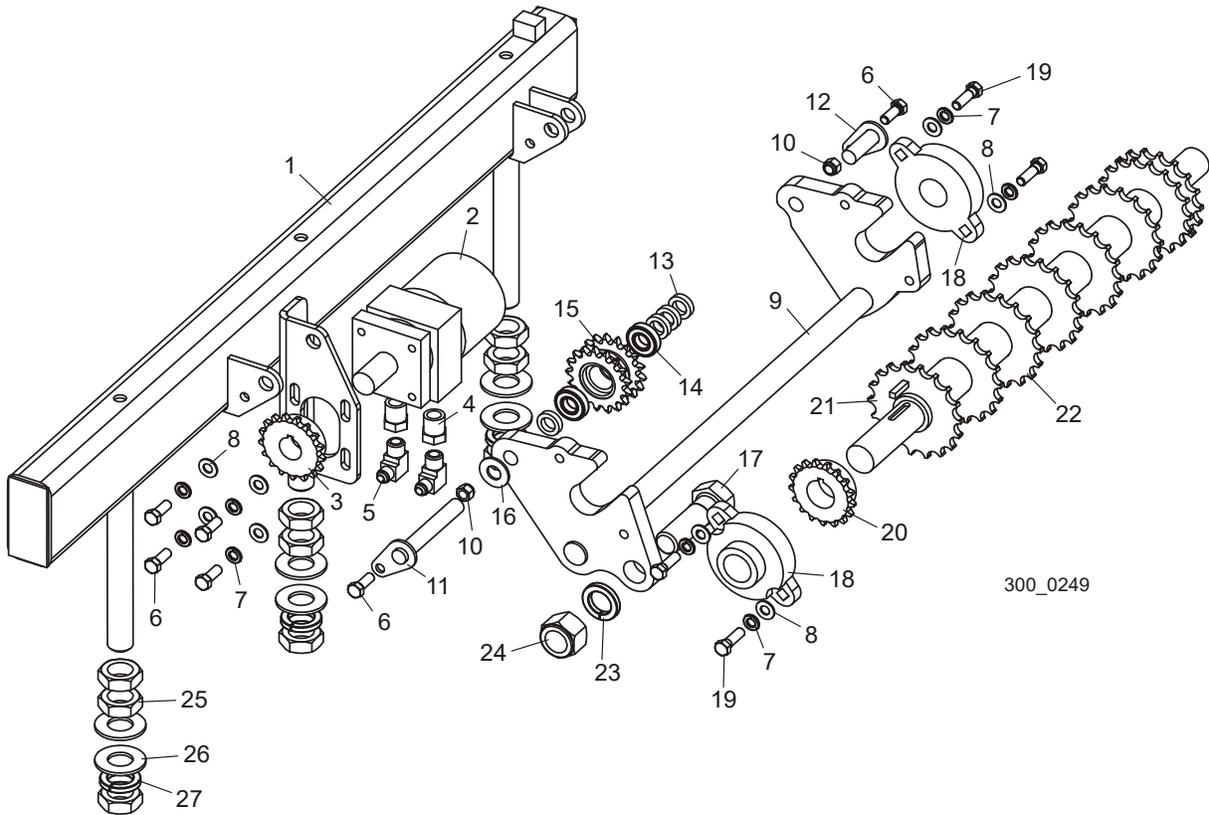
## 8

**Hydraulics***Power Taper Set Roller (Optional)*

|    |   |            |   |  |
|----|---|------------|---|--|
|    | Roller Assembly, Rear Toe Board         | 066888     | 1 |  |
|    | Roller Assembly, Front Toe Board        | 066895     | 1 |  |
| 8  | Plate, Toe Board Main Drive             | 066889     | 1 |  |
| 9  | Bearing, 45mm x 75mm x 16mm Sealed      | 066900     | 2 |  |
| 10 | Plate, Toe Board Motor Mount            | 066901     | 1 |  |
| 11 | Roller Weldment, Toeboard               | 066902     | 1 |  |
| 12 | Plate, Toe Board End                    | 066905     | 1 |  |
| 13 | Guard Weldment, Rear Motor              | 066908     | 1 |  |
|    | Guard Weldment, Front Motor             | 066897     | 1 |  |
| 14 | Fitting, 3/8JIC x 1/2 NPT Male 45 Deg   | 066912     | 2 |  |
| 15 | Arm Weldment, Toe Board Link            | 066918     | 1 |  |
| 16 | Plate, 1.01 x 1.63x.06 Spacer           | 074280     | 1 |  |
| 17 | Bolt, 3/8-16 x 5/8" Hex Head Grade 5    | F05007-148 | 2 |  |
| 18 | Bolt, 3/8-16 x 3/4" Hex Head Grade 5    | F05007-118 | 1 |  |
| 19 | Bolt, 3/8-16 x 1 3/4" Hex Head Grade 5  | F05007-119 | 4 |  |
| 20 | Bolt, 3/8-16 x 2" Hex Head Grade 8      | F05007-223 | 4 |  |
| 21 | Bolt, 3/8-16 x 1" Hex Head Grade 5      | F05007-87  | 4 |  |
| 22 | Nut, 3/8-16 Hex Nylon Lock              | F05010-10  | 4 |  |
| 23 | Washer, 3/8 x1-1/2 x 1/8 Thick Hardened | F05011-104 | 1 |  |
| 24 | Washer, 3/8" Split Lock                 | F05011-4   | 9 |  |
| 25 | Pin, 1/2" x 1 1/2" Roll                 | F05012-150 | 2 |  |
| 26 | Ring, 45mm External Retaining           | F81090-32  | 2 |  |
| 27 | Ring, 75mm Internal Retaining           | F81090-41  | 4 |  |
| 28 | Motor, Hydraulic, TB0130FP130AAAA       | 074281     | 1 |  |
|    | Seal Kit, Hydraulic Motor               | 061136     | 1 |  |

### 8.13 Power Taper Set Roller (Optional)

*WM4000 PTSR Rev. A.00*



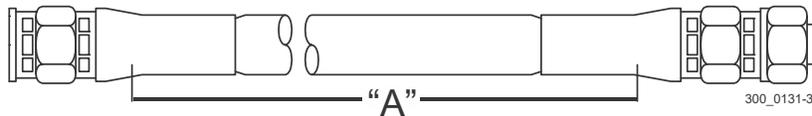
| REF       | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----------|--|-----------|------|
|           | <b>TUBE ASSEMBLY, REAR POWER TAPER SET ROLLER</b>            | 074026    | 1    |
|           | <b>TUBE ASSEMBLY, FRONT POWER TAPER SET ROLLER</b>           | 074024    | 1    |
| <b>1</b>  | Tube Weldment, WM4000 Rear Power Taper Set Roller            | 074025    | 1    |
|           | Tube Weldment, WM4000 Front Power Taper Set Roller           | 074023    | 1    |
| <b>2</b>  | Motor, Hydraulic #MG06-13-13AAAB                             | P21506    | 1    |
| <b>3</b>  | Sprocket, 40B17 x 1"   | 003883    | 1    |
| <b>4</b>  | Fitting, 1/2" NPT x 3/8" NPT Hex Reducer                     | 028073    | 2    |
| <b>5</b>  | Fitting, 3/8" NPT-3/8" JIC 90 Elbow                          | 016820    | 2    |
| <b>6</b>  | Bolt, 3/8-16 x 1" Hex Head Grade 5                           | F05007-87 | 7    |
| <b>7</b>  | Washer, 3/8" Split Lock                                      | F05011-4  | 7    |
| <b>8</b>  | Washer, 3/8" Flat SAE  | F05011-3  | 8    |
| <b>9</b>  | Roller Weldment, Rear Toe Board                              | 003879    | 1    |
|           | Roller Weldment, Front Toe Board                             | 006679    | 1    |
| <b>10</b> | Nut, 3/8-16 Hex Nylon Lock                                   | F05010-10 | 2    |
| <b>11</b> | Pin Weldment, 5/8" x 4 1/16"                                 | 003886    | 1    |
| <b>12</b> | Pin Weldment, 5/8" x 1 3/4"                                  | 003887    | 1    |

## 8

**Hydraulics***Power Taper Set Roller (Optional)*

|    |  |            |   |  |
|----|--|------------|---|--|
| 13 | Spacer, .63" x 1.00" x .25"            | 017719     | 4 |  |
| 14 | Bearing, R-10                          | P04156     | 2 |  |
| 15 | Sprocket Wedment, Dual 17/17T          | W12474     | 1 |  |
| 16 | Washer, 5/8" SAE Flat                  | F05011-5   | 1 |  |
| 17 | Washer, 3/8" ID x 1 1/4" OD            | S02779     | 1 |  |
| 18 | Bearing, 1 1/4" Flange, IPTCI          | 003896     | 1 |  |
| 19 | Bolt, 3/8-16 x 1 1/4" Hex Head Grade 5 | F05007-123 | 4 |  |
| 20 | Sprocket, 40B17 x 1 1/4"               | 003884     | 1 |  |
| 21 | Key, 1/4" x 1"                         | S21486     | 1 |  |
| 22 | Roller, Powered Toeboard               | 003881     | 1 |  |
| 23 | Washer, 1" Split Lock                  | F05011-53  | 4 |  |
| 24 | Nut, 1-8 Self-Locking Hex              | F05010-109 | 1 |  |
|    | Chain, #40 x 32 Pitch                  | 003895     | 2 |  |
|    | Link, #40 Master                       | P04200     | 2 |  |
| 25 | Nut, 1-8 Hex Jam                       | F05010-188 | 9 |  |
| 26 | Washer, 1" ID SAE Flat                 | F05011-28  | 6 |  |

## 8.14 Hydraulic Hoses



| COLOR                                | LENGTH "A"<br>WM4000 | DESCRIPTION                            | Part No.<br>WM4000 |
|--------------------------------------|----------------------|--|--------------------|
| <b>1/4" Hydraulic Hoses (R02135)</b> |                      |  |                    |
| Yellow                               | 222"                 | 1/4" TOE BOARD #1 TOP                  | 079000-222         |
| Grey                                 | 219"                 | 1/4" TOE BOARD #1 BASE                 | 079000-219         |
| Purple                               | 299"                 | 1/4" TOE BOARD #2 TOP                  | 079000-299         |
| Black                                | 296"                 | 1/4" TOE BOARD #2 BASE                 | 079000-296         |
| Red                                  | 336"                 | 1/4" TOE BOARD #3 TOP                  | 079000-336         |
| Blue                                 | 333"                 | 1/4" TOE BOARD #3 BASE                 | 079000-333         |
| <b>3/8" Hydraulic Hoses (042828)</b> |                      |  |                    |
| Pink                                 | 230"                 | 3/8" VALVE TO TURNER BASE T            | 079001-230         |
| Pink                                 | 19"                  | 3/8" TURNER T TO 1ST TURNER BASE       | 079001-19          |
| Pink                                 | 58"                  | 3/8" TURNER T TO 2ND TURNER BASE       | 079001-58          |
| Plain                                | 85"                  | 3/8" VALVE TO TURNER FLOW DIVIDER      | 079001-85          |
| Plain                                | 150"                 | 3/8" FLOW DIVIDER TO 1ST TURNER TOP    | 079001-150         |
| Plain                                | 192"                 | 3/8" FLOW DIVIDER TO 2ND TURNER TOP    | 079001-192         |
| Black                                | 224"                 | 3/8" VALVE TO SIDE SUPPORT T           | 079001-224         |
| Purple                               | 224"                 | 3/8" VALVE TO SIDE SUPPORT T           | 079001-224         |
| Black                                | 42"                  | 3/8" T TO SIDE SUPPORT 1 CYLINDER BASE | 079001-42          |
| Purple                               | 40"                  | 3/8" T TO SIDE SUPPORT 1 CYLINDER TOP  | 079001-40          |
| Black                                | 95"                  | 3/8" T TO SIDE SUPPORT 2 CYLINDER BASE | 079001-95          |
| Purple                               | 93"                  | 3/8" T TO SIDE SUPPORT 2 CYLINDER TOP  | 079001-93          |
| Orange                               | 284"                 | 3/8" CLAMP IN/OUT BASE                 | 079001-284         |
| White                                | 294"                 | 3/8" CLAMP IN/OUT TOP                  | 079001-294         |
| Green                                | 300"                 | 3/8" CLAMP UP/DOWN TOP                 | 079001-300         |
| Yellow                               | 300"                 | 3/8" CLAMP UP/DOWN BASE                | 079001-300         |
| <b>1/2" Hydraulic Hoses (R02134)</b> |                      |  |                    |
| Black                                | 314"                 | 1/2" TURNER MOTOR (FAR)                | 079004-314         |
| Purple                               | 282"                 | 1/2" TURNER MOTOR (NEAR)               | 079004-282         |
| Plain                                | 108"                 | 1/2" TURNER TO TURNER                  | 079004-108         |
| Red <sup>1</sup>                     | 471"                 | 1/2" CONVEYOR MOTOR DRIVE              | 079004-471         |
| Blue <sup>1</sup>                    | 471"                 | 1/2" CONVEYOR MOTOR RETURN             | 079004-471         |

<sup>1</sup> Changed hoses and fittings for conveyor drive motor from 3/8" to 1/2" (WM4000 Rev. A3.01).

# 8 Hydraulics

## Hydraulic Hoses

### Optional WM4000-BX6 Bed Extension Hydraulic Hoses

| COLOR                                | LENGTH FOR<br>OPTIONAL<br>WM4000-BX6 | DESCRIPTION                           | Part No.<br>WM4000-BX6 |        |
|--------------------------------------|--------------------------------------|---------------------------------------|------------------------|--------|
| <b>1/4" Hydraulic Hoses (R02135)</b> |                                      |                                       |                        |        |
| Yellow                               | 72"                                  | 1/4" TOE BOARD #1 TOP                 | 074191                 |        |
| Grey                                 | 72"                                  | 1/4" TOE BOARD #1 BASE                |                        |        |
| Purple                               | 72"                                  | 1/4" TOE BOARD #2 TOP                 |                        |        |
| Black                                | 72"                                  | 1/4" TOE BOARD #2 BASE                |                        |        |
| Red                                  | 72"                                  | 1/4" TOE BOARD #3 TOP                 |                        |        |
| Blue                                 | 72"                                  | 1/4" TOE BOARD #3 BASE                |                        |        |
| <b>3/8" Hydraulic Hoses (042828)</b> |                                      |                                       |                        |        |
| Pink                                 | 72"                                  | 3/8" VALVE TO TURNER BASE T           | 074184                 |        |
| Plain                                | 72"                                  | 3/8" FLOW DIVIDER TO 1ST TURNER TOP   |                        |        |
| Plain                                | 72"                                  | 3/8" FLOW DIVIDER TO 2ND TURNER TOP   |                        |        |
| Black                                | 72"                                  | 3/8" VALVE TO SIDE SUPPORT T          |                        |        |
| Purple                               | 72"                                  | 3/8" VALVE TO SIDE SUPPORT T          |                        |        |
| Orange                               | 72"                                  | 3/8" VALVE TO CLAMP IN/OUT BASE       |                        |        |
| White                                | 72"                                  | 3/8" VALVE TO CLAMP IN/OUT TOP        |                        |        |
| Green                                | 72"                                  | 3/8" VALVE TO CLAMP UP/DOWN TOP       |                        |        |
| Yellow                               | 72"                                  | 3/8" VALVE TO CLAMP UP/DOWN BASE      |                        |        |
| Red                                  | 72"                                  | 3/8" VALVE TO CONVEYOR MOTOR DRIVE    |                        |        |
| Blue                                 | 72"                                  | 3/8" VALVE TO CONVEYOR MOTOR RETURN   |                        |        |
| Plain                                | 72"                                  | 3/8" VALVE TO PTSR DRIVE              |                        |        |
| Plain                                | 72"                                  | 3/8" VALVE TO PTSR RETURN             |                        |        |
| <b>1/2" Hydraulic Hoses (R02134)</b> |                                      |                                       |                        |        |
| Black                                | 72"                                  | 1/2" TURNER MOTOR (FAR)               |                        | 074192 |
| Purple                               | 72"                                  | 1/2" TURNER MOTOR (NEAR)              |                        |        |
| Plain                                | 72"                                  | 1/2" TURNER TO LOG DECK MOTOR         |                        |        |
| Plain                                | 72"                                  | 1/2" TURNER TO LOG DECK MOTOR         |                        |        |
| Plain                                | 72"                                  | 1/2" TURNER TO LOG DECK SIDE SUPPORTS |                        |        |
| Plain                                | 72"                                  | 1/2" TURNER TO LOG DECK SIDE SUPPORTS |                        |        |

**Optional WM4000-BX12 Bed Extension Hydraulic Hoses**

| COLOR                       | LENGTH FOR OPTIONAL WM4000-BX12 | DESCRIPTION                              | Part No.<br>074225 |
|-----------------------------|---------------------------------|--|--------------------|
| <b>1/4" Hydraulic Hoses</b> |                                 |  |                    |
| Yellow                      | 144"                            | 1/4" VALVE TO TOE BOARD #1 TOP           | R02135             |
| Grey                        | 144"                            | 1/4" VALVE TO TOE BOARD #1 BASE          |                    |
| Purple                      | 144"                            | 1/4" VALVE TO TOE BOARD #2 TOP           |                    |
| Black                       | 144"                            | 1/4" VALVE TO TOE BOARD #2 BASE          |                    |
| Red                         | 144"                            | 1/4" VALVE TO TOE BOARD #3 T ASSY TOP    |                    |
| Blue                        | 144"                            | 1/4" VALVE TO TOE BOARD #3 T ASSY BASE   |                    |
| Red                         | 144"                            | 1/4" PTSR T ASSEMBLY TO BX REAR TOP      |                    |
| Blue                        | 144"                            | 1/4" PTSRT ASSEMBLY TO BX REAR BASE      |                    |
| Orange                      | 144"                            | 1/4" BX VALVE B TO BX PTSR FRONT TOP     |                    |
| White                       | 144"                            | 1/4" BX VALVE A TO BX PTSR FRONT BASE    |                    |
| <b>3/8" Hydraulic Hoses</b> |                                 |  |                    |
| Pink                        | 144"                            | 3/8" VALVE A TO TURNER BASE T ASSEMBLY   | 042828             |
| Pink                        | 60"                             | 3/8" T ASSEMBLY TO BED EXT TURNER BASE   |                    |
| Pink                        | 144"                            | 3/8" TURNER VALVE B TO FD66/33 #3        |                    |
| Plain                       | 24"                             | 3/8" TURNER FD66/33 #4 TO FD50/50 #3 TEE |                    |
| Plain                       | 42"                             | 3/8" TURNER FD66/33 #2 TO SV #2          |                    |
| Plain                       | 42"                             | 3/8" TURNER SV#1 TO FD50/50 #3 TEE       |                    |
| Plain                       | 168"                            | 3/8" TURNER FD50/50 #4 TO 1ST TOP UNION  |                    |
| Plain                       | 168"                            | 3/8" TURNER FD50/50 #2 TO 2ND TOP UNION  |                    |
| Plain                       | 120"                            | 3/8" SV #3 TO BX TURNER TOP              |                    |
| Black                       | 120"                            | 3/8" VALVE B TO SIDE SUPPORT FD#3        |                    |
| Black                       | 42"                             | 3/8" SIDE SUPPORT SV#1 TO FD#4 TEE       |                    |
| Black                       | 36"                             | 3/8" SIDE SUPPORT FD#2 TO SV#2           |                    |
| Black                       | 108"                            | 3/8" SIDE SUPPORT BV#2 TO BX BASE T      |                    |
| Black                       | 48"                             | 3/8" SIDE SUPPORT FD#4 TO WM4000 UNION   |                    |
| Purple                      | 144"                            | 3/8" VALVE A TO SIDE SUPPORT T ASSEMBLY  |                    |
| Black                       | 42"                             | 3/8" BX T TO BX CYLINDER 1 BASE          |                    |
| Purple                      | 84"                             | 3/8" T ASSY TO BX CYLINDER 1 TOP         |                    |
| Black                       | 80"                             | 3/8" BX T TO BX CYLINDER 2 BASE          |                    |
| Purple                      | 122"                            | 3/8" BX T TO BX CYLINDER 2 TOP           |                    |
| Orange                      | 144"                            | 3/8" VALVE TO CLAMP IN/OUT BASE EXT      |                    |
| White                       | 144"                            | 3/8" VALVE TO CLAMP IN/OUT TOP EXT       |                    |
| Green                       | 144"                            | 3/8" VALVE TO CLAMP UP/DN TOP EXT        |                    |
| Yellow                      | 144"                            | 3/8" VALVE TO CLAMP UP/DN BASE EXT       |                    |
| Orange                      | 213"                            | 3/8" BX VALVE A TO BX CLAMP IN/OUT BASE  |                    |
| White                       | 223"                            | 3/8" BX VALVE B TO BX CLAMP IN/OUT TOP   |                    |
| Green                       | 229"                            | 3/8" BX VALVE B TO BX CLAMP UP/DN TOP    |                    |

## 8

## Hydraulics

### Hydraulic Hoses

|                             |      |  |        |
|-----------------------------|------|--|--------|
| Yellow                      | 229" | 3/8" BX VALVE A TO BX CLAMP UP/DN BASE   | 042828 |
| Red                         | 144" | 3/8" VALVE A TO 4000 PTSR MOTOR A UNION  |        |
| Red                         | 204" | 3/8" SV #3 TO PTSR BX MOTOR #1 A         |        |
| Blue                        | 204" | 3/8" PTSR BX MOTOR #1 B TO BV #2         |        |
| Blue                        | 259" | 3/8" PTSR 2ND BX MOTOR B TO SV #2        |        |
| Blue                        | 144" | 3/8" SV #1 TEE TO WM4000 VALVE B         |        |
| <b>1/2" Hydraulic Hoses</b> |      |  |        |
| Black                       | 96"  | 1/2" TURNER MOTOR(FAR) TO SELECTOR #2    | R02134 |
| Black                       | 96"  | 1/2" SELECTOR #1 TEE TO VALVE A          |        |
| Black                       | 178" | 1/2" BX MOTOR B TO BLOCKING VALVE 2      |        |
| Purple                      | 178" | 1/2" SELECTOR VALVE #3 TO BX MOTOR A     |        |
| Purple                      | 144" | 1/2" VALVE TO TURNER MOTOR A (NEAR) EXT  |        |
| Red                         | 144" | 1/2" VALVE TO CONVEYOR MOTOR DRIVE       |        |
| Blue                        | 144" | 1/2" VALVE TO CONVEYOR MOTOR RETURN      |        |
| Plain                       | 5"   | 1/2" D03 MANIFOLD P TO BX D03 MANIFOLD P |        |
| Plain                       | 24"  | 1/2" D03 MANIFOLD T TO BX D03 MANIFOLD T |        |

**Optional WM4000-BX12 Bed Extension Hydraulic Hoses (2nd Log Deck Hose Kit)**

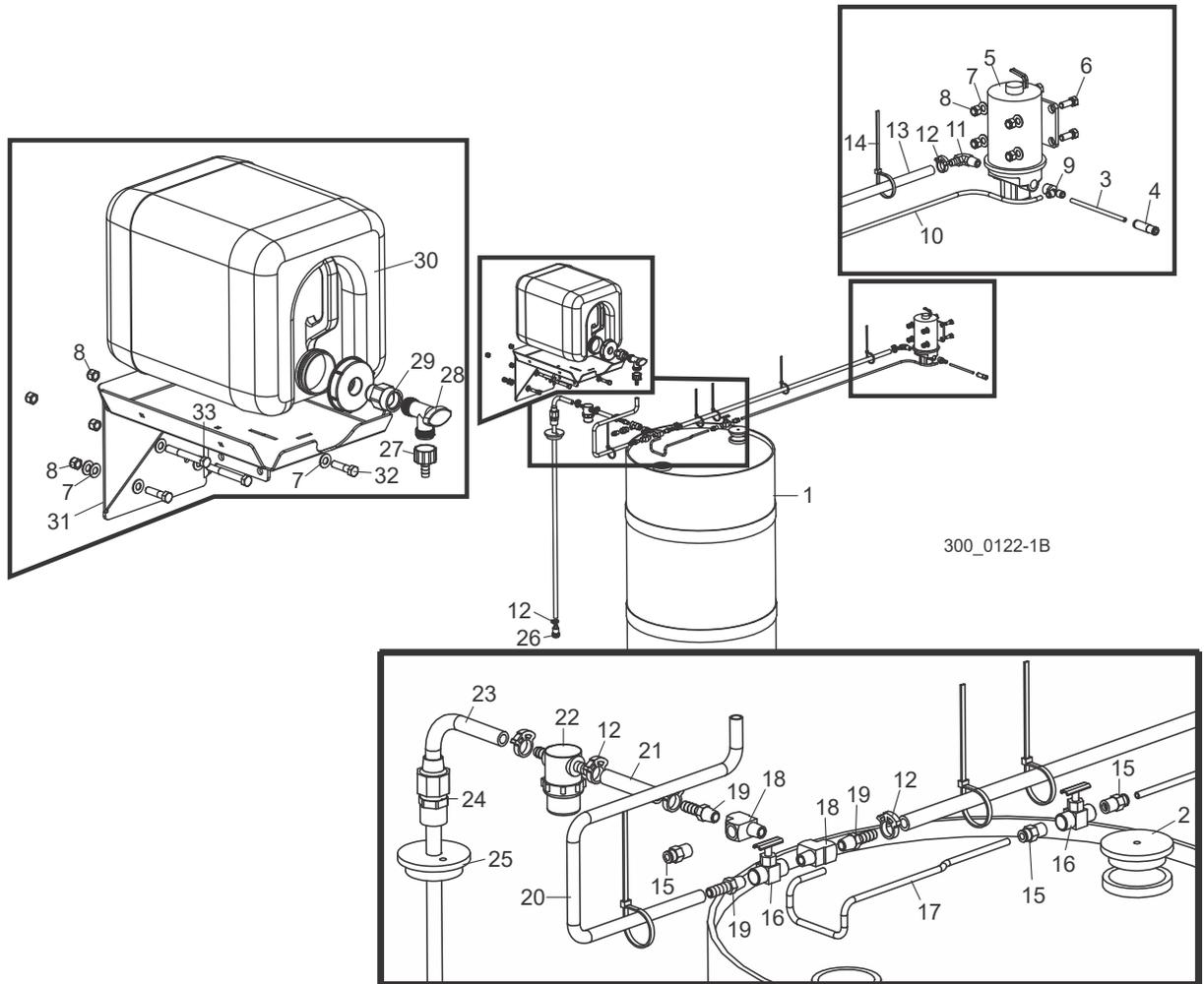
| COLOR                       | LENGTH FOR OPTIONAL WM4000-BX12 | DESCRIPTION                                     | Part No.<br>074867 |
|-----------------------------|---------------------------------|---|--------------------|
| <b>3/8" Hydraulic Hoses</b> |                                 |   |                    |
| Green                       | 72"                             | 3/8" BX LD T TO CYLINDER TOP                    | 042828             |
| Green                       | 72"                             | 3/8" BX LD T TO CYLINDER TOP                    |                    |
| Yellow                      | 72"                             | 3/8" BX LD T TO CYLINDER BASE                   |                    |
| Yellow                      | 72"                             | 3/8" BX LD T TO CYLINDER BASE                   |                    |
| <b>1/2" Hydraulic Hoses</b> |                                 |   |                    |
| Orange                      | 144"                            | 1/2" VALVE A TO LD MOTOR SV#2 144               | R02134             |
| Orange                      | 144"                            | 1/2" LD MOTOR SV#1 TO LD MOTOR B UNION          |                    |
| Orange                      | 192"                            | 1/2" LD MOTOR SV#3 TO BX LD MOTOR B             |                    |
| White                       | 144"                            | 1/2" VALVE B TO LD MOTOR A UNION                |                    |
| White                       | 192"                            | 1/2" BX LD MOTOR A TO LD MOTOR BV#2             |                    |
| Green                       | 144"                            | 1/2" VALVE B TO LD LOADING ARM FD IN            |                    |
| Green                       | 120"                            | 1/2" LD LOADING ARM FD OUT #1 TO SV#2           |                    |
| Green                       | 120"                            | 1/2" LD LOADING SV#1 TO FD OUT #2 T             |                    |
| Green                       | 240"                            | 1/2" LD LOADING BV#2 TO BX LD CYLINDER TOP      |                    |
| Yellow                      | 144"                            | 1/2" VALVE A TO LD CYLINDER BASE T ASSEMBLY     |                    |
| Yellow                      | 120"                            | 1/2" LD CYLINDER BASE T ASSEMBLY TO BX CYL BASE |                    |

## SECTION 9 MISCELLANEOUS

### 9.1 Lube System

WM4000

Rev. A1.00+

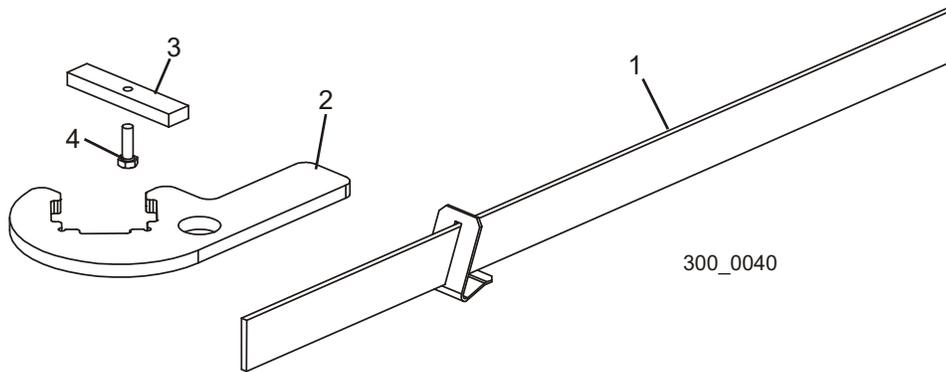


300\_0122-1B

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>LUBE SYSTEM, WM4000 BLADE</b>                             | 074019 | 1    |
| 1   | Barrel, Plastic  | 016784 | 1    |
| 2   | Cap, Barrel Vent   | 016786 | 1    |
| 3   | Hose, 1/4" x 100 Foot Chainflex Pressure                     | 074018 | 1    |
| 4   | Fitting, 1/4" Tube 6 PSI Check Valve                         | 016827 | 1    |
|     | Cable Assembly, Industrial Mill Lube Power                   | 069989 | 1    |
|     | Pump Assembly, Lube  | 016883 | 1    |
| 5   | Pump Assembly, Lube w/Wires                                  | 050029 | 1    |

|    |  |           |    |  |
|----|--|-----------|----|--|
| 6  | Bolt, 3/8-16 x 1" Hex Head Grade 5         | F05007-87 | 4  |  |
| 7  | Washer, 3/8" Flat                          | F05011-3  | 10 |  |
| 8  | Nut, 3/8-16 Hex Nylon Lock                 | F05010-10 | 8  |  |
| 9  | Fitting, 3/8" NPT x 1/4" Tube Male Run Tee | 016961    | 1  |  |
| 10 | Hose, 1/4" x 40"                           | 016885    | 1  |  |
| 11 | Fitting, 3/8" NPT x 3/8" Hose Barb Elbow   | P12709    | 1  |  |
| 12 | Clamp, Single Snap Grip #38                | 016845    | 6  |  |
| 13 | Hose, 3/8" x 44"                           | 016829    | 1  |  |
| 14 | Tie Wrap, 3/16" x 5 1/2" UV Black          | F05089-3  | 6  |  |
| 15 | Fitting, 1/4" NPT x 1/4" Tube Straight     | P20903    | 3  |  |
| 16 | Valve, 1/4" NPT Female Needle              | 051392    | 2  |  |
| 17 | Hose, 1/4" x 24"                           | 016886    | 1  |  |
| 18 | Fitting, 1/4" NPT Male x 1/4" Female x 2   | P05382    | 2  |  |
| 19 | Fitting, 1/4" NPT x 3/8" Hose Barb         | 014685    | 3  |  |
| 20 | Hose, 3/8" ID x 25" Tygothane              | 038495    | 1  |  |
| 21 | Hose, 3/8" x 3"                            | 038494    | 1  |  |
| 22 | Filter, 3/8" Hose Barb Lube                | 033447    | 1  |  |
|    | Screen Kit, Mesh Filter                    | 033441    | 1  |  |
|    | Gasket, Filter Bowl                        | 061768    | 1  |  |
|    | Bowl, LubeMizer Filter Replacement         | 003198    | 1  |  |
| 23 | Hose, 3/8" x 40"                           | 016884    | 1  |  |
| 24 | Fitting, 1/2" x 1/2" Compression Coupler   | 016935    | 1  |  |
| 25 | Cap, Barrel Vent                           | 016785    | 1  |  |
| 26 | Fitting, 3/8" Barb Foot Check Valve        | 016939    | 1  |  |
| 27 | Fitting, 5/8" NPT x 3/8" Hose Barb         | 014113    | 1  |  |
| 28 | Valve, 3/4" NPT Elbow PVC                  | 014100    | 1  |  |
| 29 | Fitting, 3/4" FPT x 3/4" MPT               | 014636    | 1  |  |
| 30 | Bottle Assembly, Water Lube w/Cap          | 014642    | 1  |  |
| 31 | Bracket, Auxiliary Tank Mount              | 038498    | 1  |  |
| 32 | Bolt, 3/8-16 x 1 1/2" Hex Head Grade 5     | F05007-78 | 2  |  |
| 33 | Bolt, 3/8-16 x 3" Hex Head Grade 5         | F05007-73 | 2  |  |

**9.2 Tools**



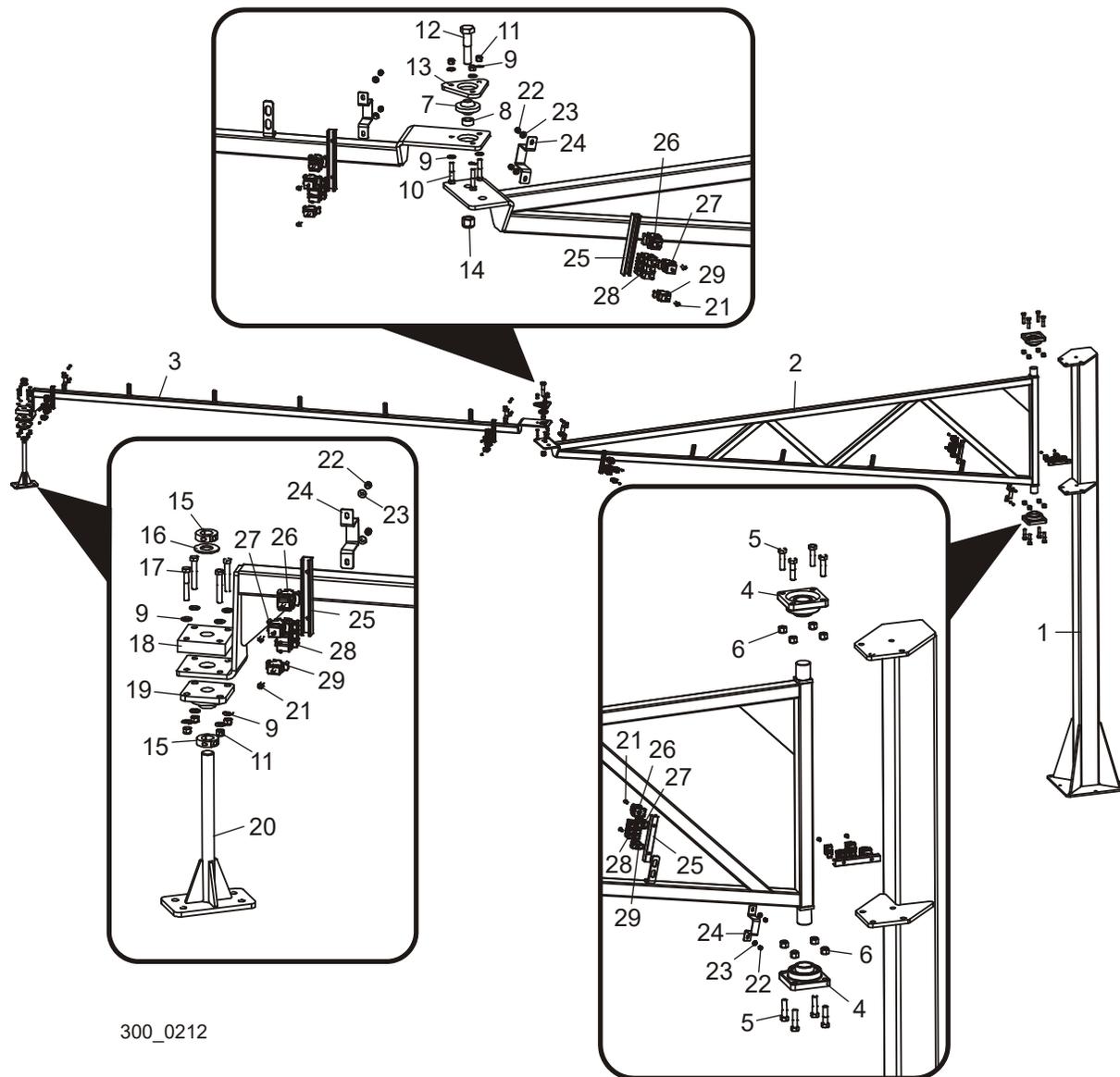
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
| 1   | ALIGNMENT TOOL, BLADE GUIDE                                  | LTBGAT     | 1    |
| 2   | ALIGNMENT TOOL, BLADE GUIDE ARM                              | 042700     | 1    |
| 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 Manuals



| REF                   | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |  |
|-----------------------|--|--------|------|--|
| <b>WM4000 Manuals</b> |  |        |      |  |
| 1                     | MANUAL, WM4000 OPERATOR'S                                    | M2013  | 1    |  |
| 2                     | MANUAL, WM4000 PARTS   | M2015  | 1    |  |
| <b>Option Manuals</b> |  |        |      |  |
| 3                     | MANUAL, INCLINE CONVEYOR OPTION                              | M1121  | 1    |  |
| 4                     | MANUAL, INCLINE BELT CONVEYOR (CB6)                          | M2021  | 1    |  |
| 5                     | MANUAL, TD2 TRANSFER DECK OPTION                             | M1192  | 1    |  |
| 6                     | MANUAL, LD12/LD20 LOG INFEED DECK OPTION                     | M1120  | 1    |  |
| 7                     | MANUAL, THREE-WAY DECK OPTION                                | M1208  | 1    |  |
| 8                     | MANUAL, DEBARKER OPTION                                      | M1264  | 1    |  |
| <b>Schematics</b>     |  |        |      |  |
| 9                     | SCHEMATIC, WM4000 ELECTRICAL                                 | M2018  | 1    |  |
| 10                    | SCHEMATIC, WM4000 AIR  | M1015  | 1    |  |

### 9.4 Pantograph Assembly



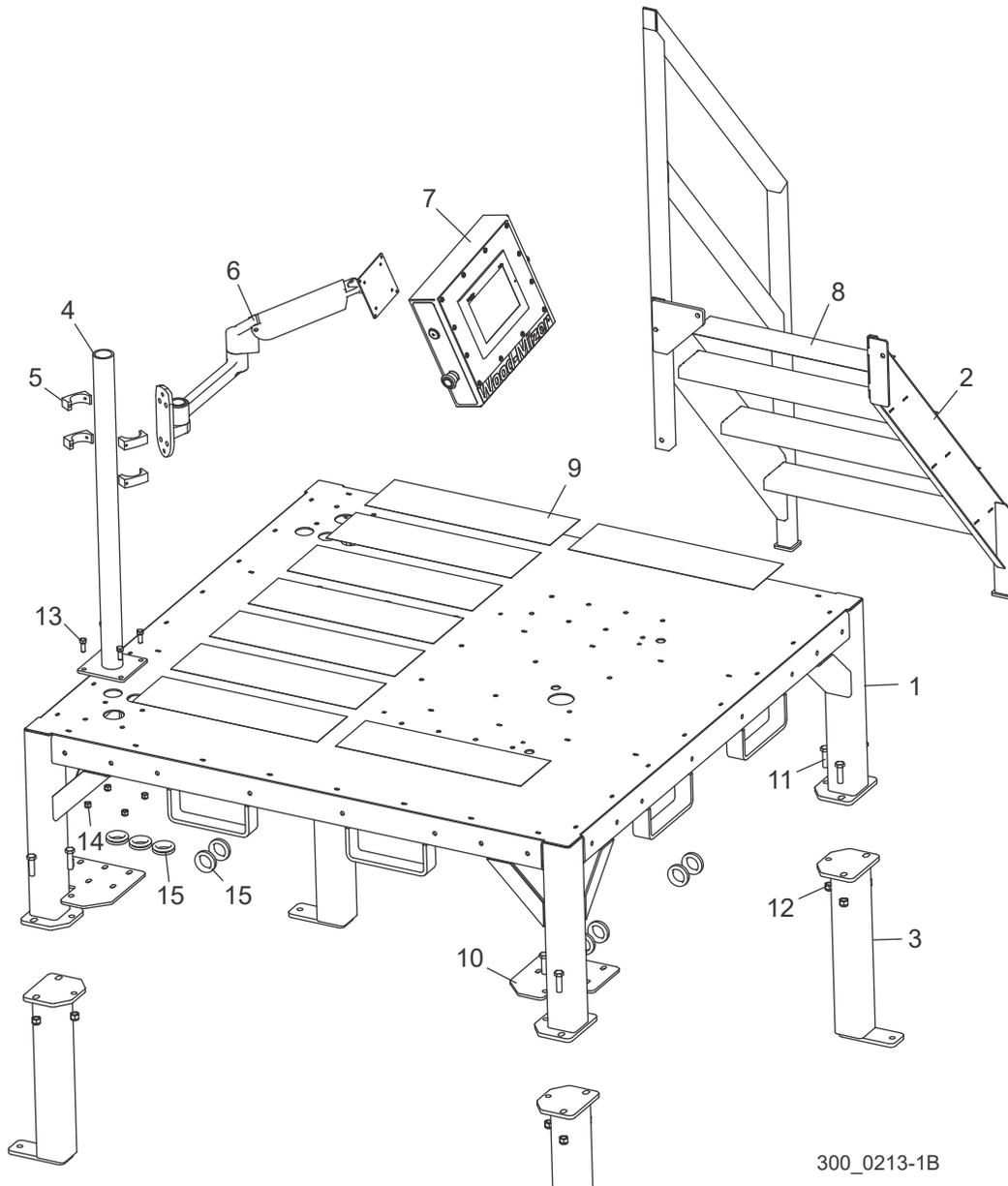
300\_0212

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>PANTOGRAPH ASSEMBLY, WM4000 OVERHEAD CABLE</b>            | 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 |  |

## SECTION 10 OPERATOR STATION

### 10.1 Frame, Rails & Ladder

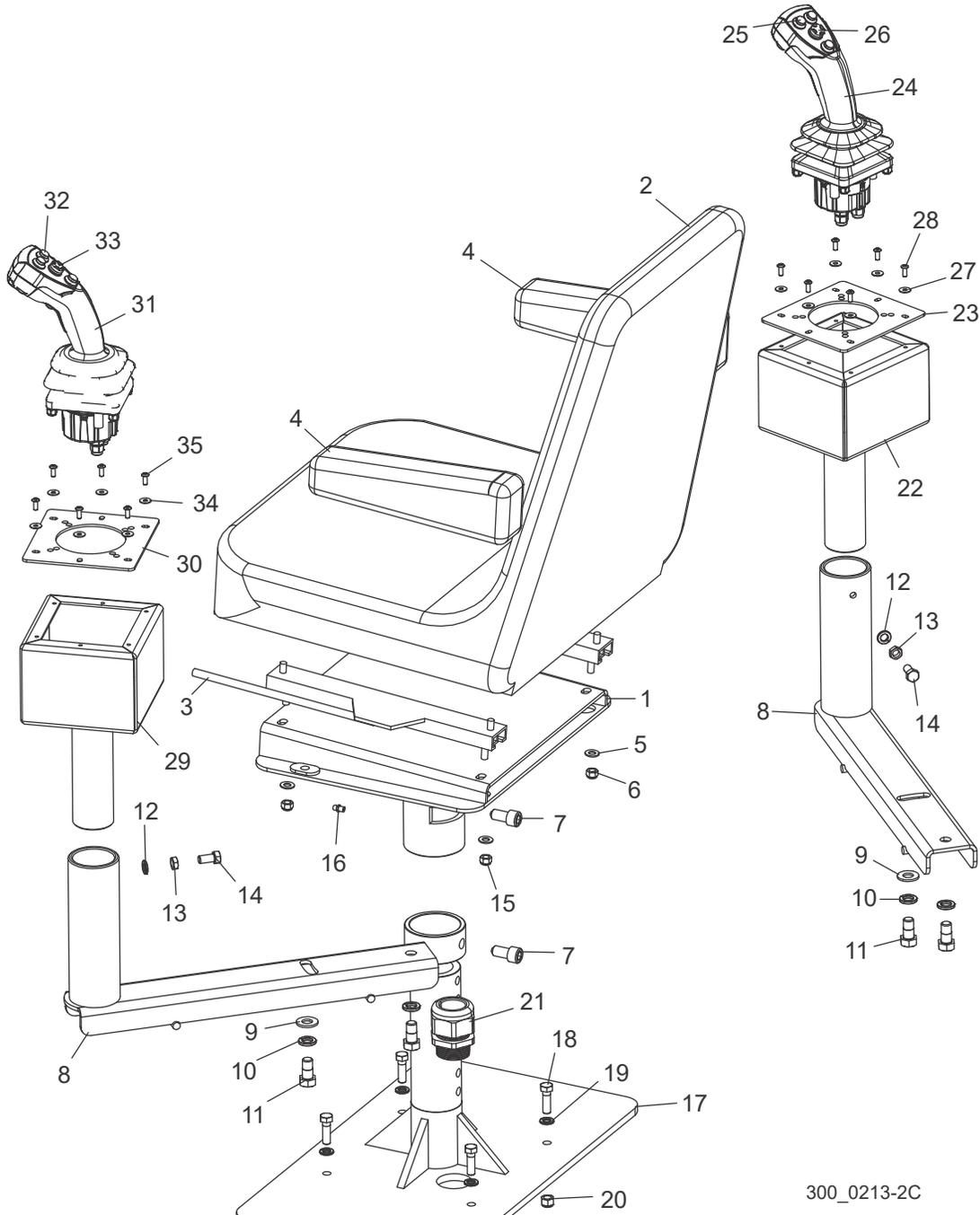


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| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
| 1   | STAND WELDMENT, WM4000 OPERATOR STATION                      | 058152 | 1    |
| 2   | STAIR/RAIL WELDMENT, OPERATOR STAND   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

|    |  |           |    |  |
|----|--|-----------|----|--|
| 5  | CLAMP, 2" 2-PIECE MOUNT  | 065965    | 2  |  |
| 6  | ARM, MONITOR/CONTROL   | 063033    | 1  |  |
| 7  | CONTROL ASSEMBLY, OPERATOR (WM4000) ( <a href="#">See Section 10.3</a> ) | 069952    | 1  |  |
|    | CONTROL ASSEMBLY, OPERATOR (WM4500) ( <a href="#">See Section 10.3</a> ) | 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



300\_0213-2C

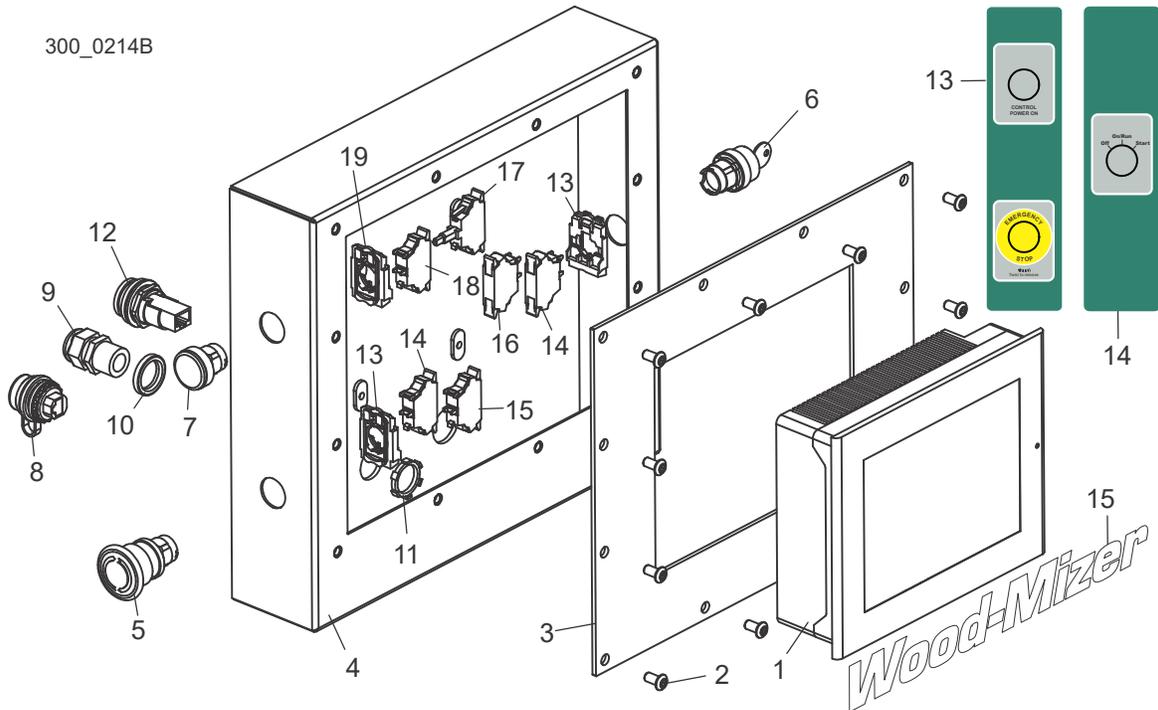
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
| 1   | MOUNT WELDMENT, OPERATOR SEAT                                | 045134 | 1    |
| 2   | SEAT, OPERATOR   | 038719 | 1    |
| 3   | ADJUSTER ASSEMBLY, OPERATOR SEAT (MILSCO)       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

|    |   |                     |   |  |
|----|---|---------------------|---|--|
| 4  | <b>ARMREST, OPERATOR SEAT (PAIR, MILSCO)</b>  | 038721              | 1 |  |
| 5  | <b>WASHER, 5/16" SAE FLAT</b>                 | F05011-17           | 4 |  |
| 6  | <b>NUT, 5/16-18 NYLON LOCK</b>                | F05010-58           | 4 |  |
| 7  | <b>BOLT, 1/2-20 X 1" SOCKET HEAD</b>          | F05008-57           | 2 |  |
| 8  | <b>ARM WELDMENT, CONTROL</b>                  | 038857              | 2 |  |
| 9  | <b>WASHER, 1/2" SAE FLAT</b>                  | F05011-2            | 2 |  |
| 10 | <b>WASHER, 1/2" SPLIT LOCK</b>                | F05011-9            | 4 |  |
| 11 | <b>BOLT, 1/2-13 X 1" HEX HEAD</b>             | F05008-50           | 4 |  |
| 12 | <b>WASHER, 3/8" SPLIT LOCK</b>                | F05011-4            | 2 |  |
| 13 | <b>NUT, 3/8-16 HEX JAM</b>                    | F05010-29           | 2 |  |
| 14 | <b>BOLT, 3/8-16 X 3/4" HEX HEAD GRADE 5</b>   | F05007-118          | 2 |  |
| 15 | <b>COLLAR, SEAT POST MOUNT</b>                | 045135              | 1 |  |
| 16 | <b>FITTING, 1/4-28 GREASE</b>                 | P05060              | 2 |  |
| 17 | <b>POST WELDMENT, OPERATOR SEAT</b>           | 068073              | 1 |  |
| 18 | <b>BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 5</b> | F05007-123          | 4 |  |
| 19 | <b>WASHER, 3/8" SPLIT LOCK</b>                | F05011-4            | 4 |  |
| 20 | <b>NUT, 3/8-16 HEX NYLOC</b>                  | F05010-10           | 4 |  |
| 21 | <b>CORDGRIP, .88"-1.26" 1 1/4" NPT</b>        | 057953              | 1 |  |
|    | <b>CONTROL ASSEMBLY, RIGHT JOYSTICK</b>       | 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 <sup>1</sup> | 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 <sup>2</sup> | 1 |  |
|    | <b>CONTROL ASSEMBLY, LEFT JOYSTICK</b>        | 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 <sup>1</sup> | 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 <sup>2</sup> | 1 |  |

<sup>1</sup> 078360 4-Button w/4-Way Switch Joystick replaces 069716 3-Button Control Joystick to improve durability (Rev. A8.01).

<sup>2</sup> 078660 replaced 069983 Cable Assembly, Ind. Mill Right Joystick and 078659 replaced 069982 Cable Assembly, Ind. Mill Left Joystick (Rev. B2.00).

### 10.3 Control Box Assembly

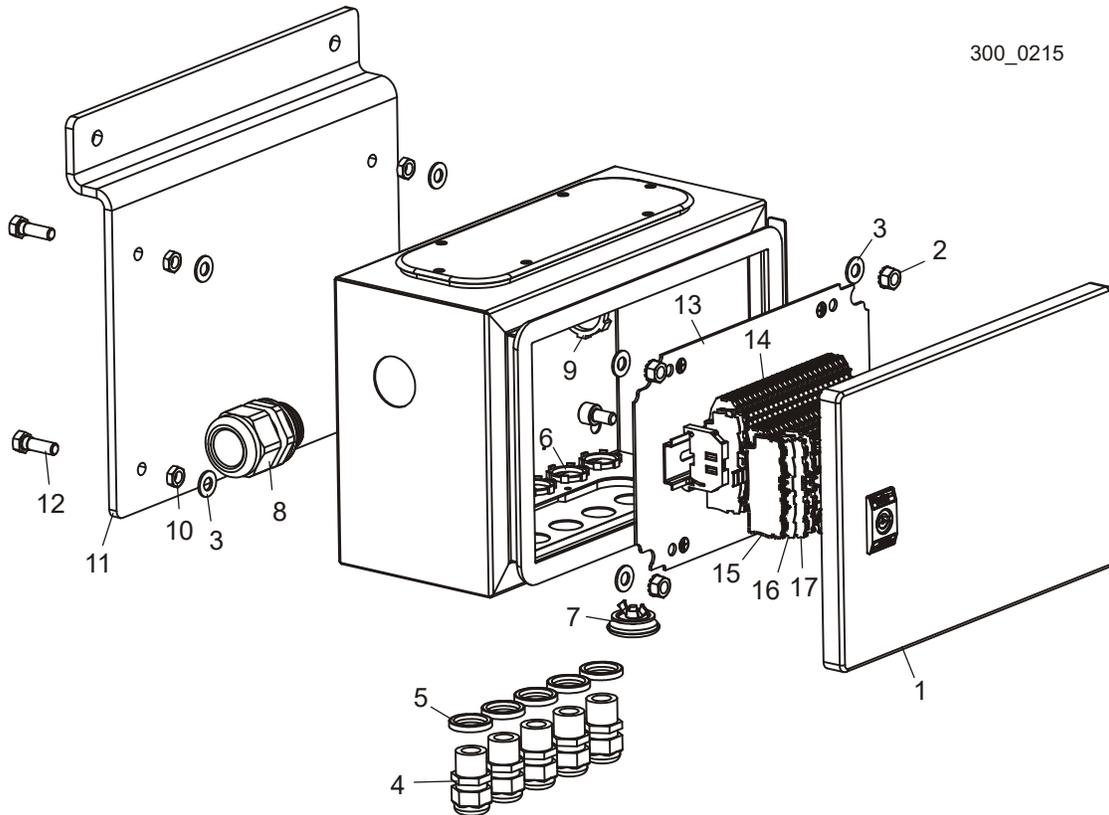


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY. |
|-----|--|---------------------|------|
|     | <b>CONTROL ASSEMBLY, INDUSTRIAL MILL HMI</b>                 | 069952 <sup>1</sup> | 1    |
| 1   | HMI Assembly, Industrial Mill                                | 078654              | 1    |
| 2   | Screw, 1/4-20 x 1/2" BHSC SS Gr2                             | F05005-112          | 12   |
| 3   | Plate, WM4000 Screen Bezel                                   | 069955              | 1    |
| 4   | Box Weldment, Control Monitor                                | 058922              | 1    |
| 5   | Push-Button, Mshrm Mntnd Red TrnRI ZB5                       | 068940              | 1    |
| 6   | Switch, Key 3Pos Mom R-C                                     | 068941              | 1    |
| 7   | Push-Button, ill. Green ZB5                                  | 068900              | 1    |
| 8   | Receptacle, Panel Mount USB                                  | 068178              | 1    |
| 9   | Connector, 1/2" NPT .17-.47                                  | 051299              | 1    |
| 10  | Ring, 1/2 Sealing  | E20460              | 1    |
| 11  | Nut, 1/2 npt Connector Lock                                  | E20461              | 1    |
| 12  | Receptacle, Panel Mount RJ45 Straight                        | 052993              | 1    |
|     | Switch Collar Assembly, Mount 1NC ZB5                        | 068950              | 2    |
| 13  | Switch Collar, Mount ZB5                                     | 068951              | 1    |
| 14  | Switch Block, Contact NC ZB5                                 | 068921              | 1    |
| 15  | Switch Block, Contact NC ZB5                                 | 068921              | 1    |
| 16  | Switch Block, NO ZB5   | 068920              | 1    |
| 17  | Light Module, Green ZB5                                      | 068910              | 1    |
|     | Collar, Mount 1NO ZB5  | 068952              | 1    |

|           |  |        |   |  |
|-----------|--|--------|---|--|
| <b>18</b> | Switch Block, NO ZB5                       | 068920 | 1 |  |
| <b>19</b> | Switch Collar, Mount ZB5                   | 068951 | 1 |  |
| <b>20</b> | Decal, Ind. Mill Power E-Stop              | 068208 | 1 |  |
| <b>21</b> | Decal, Ind. Mill Key Switch                | 068209 | 1 |  |
| <b>22</b> | Decal, Wood-Mizer Logo White HLTK          | 065037 | 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 |  |

<sup>1</sup> 078654 replaced 078440 HMI Assembly, Industrial Mill and 078658 replaced 069985 Cable Assy, Ind. Mill HMI Control (Rev. B2.00). Previously, 078440 replaced 069953 HMI Assembly, Industrial Mill that became obsolete (Rev. B1.00).

### 10.4 Junction Control Assembly

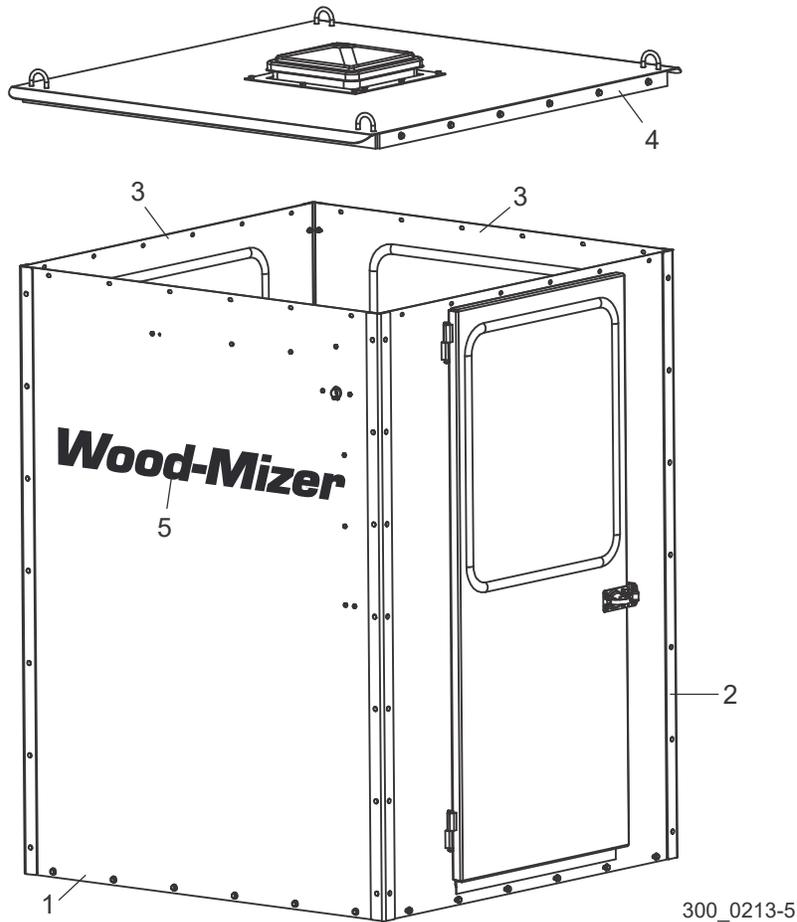


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>CONTROL ASSEMBLY, INDUSTRIAL MILL OPERATOR JUNCTION</b>   | 069899     | 1    |
| 1   | Enclosure, Industrial Mill Operator Junction                 | 069898     | 1    |
| 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    |

|           |   |                     |   |  |
|-----------|---|---------------------|---|--|
| <b>17</b> | 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 <sup>1</sup> | 1 |  |
|           | Din Rail, 35mm x 7.5mm x 1m Steel Sym             | 024474              | 1 |  |

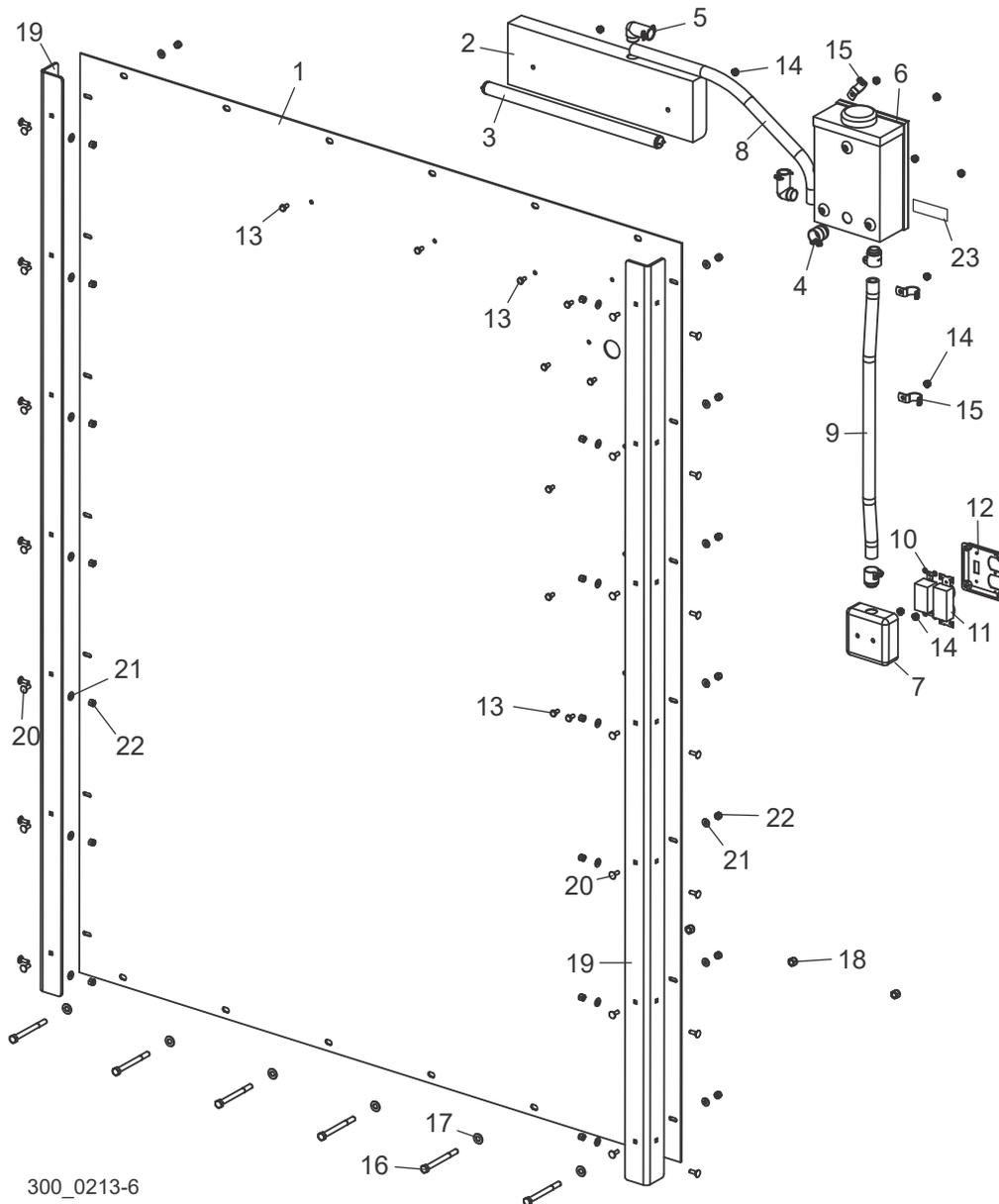
<sup>1</sup> Replaced 069964 Cable Assembly, Industrial Mill Operator Junction (Rev. B2.00).

### 10.5 Cab



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

### 10.6 Rear Panel



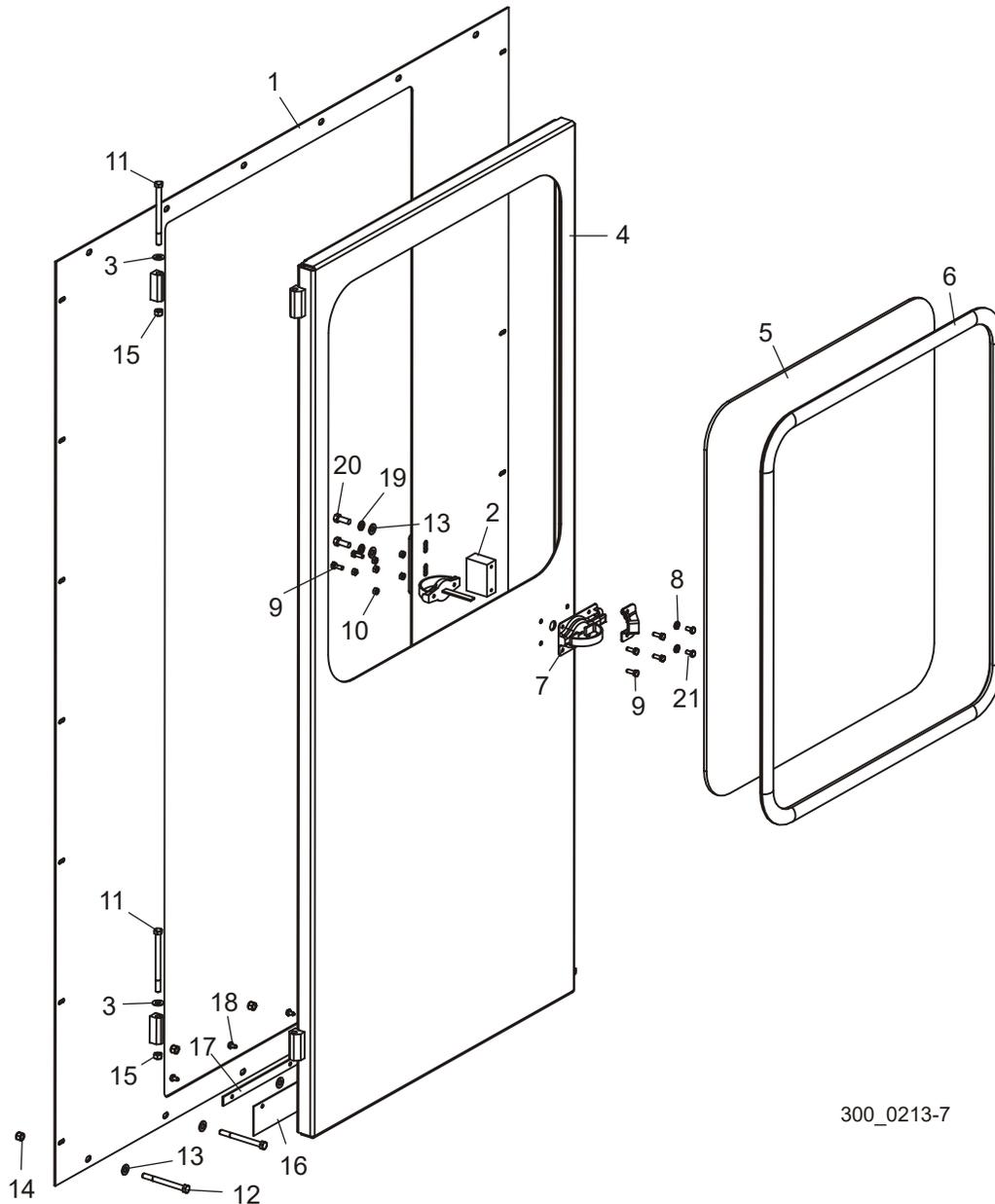
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>PANEL ASSEMBLY, 2013 REAR</b>                             | 058175 | 1    |
| 1   | Panel, 2013 Rear   | 058176 | 1    |
| 2   | Fixture, Flourescent Uncer-Cabinet Light                     | 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    |

# 10

## Operator Station Rear Panel

|    |                                      |            |    |  |
|----|--------------------------------------|------------|----|--|
| 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 | <b>ANGLE, CORNER SUPPORT</b>         | 058917     | 2  |  |
| 20 | <b>BOLT, 1/4-20 X 3/4" CARRIAGE</b>  | F05005-113 | 28 |  |
| 21 | <b>WASHER, 1/4" SAE FLAT</b>         | F05011-11  | 28 |  |
| 22 | <b>NUT, 1/4-20 NYLOCK</b>            | F05010-69  | 28 |  |
| 23 | <b>DECAL, CAB VOLTAGE</b>            | 042676     | 1  |  |

### 10.7 Right Panel



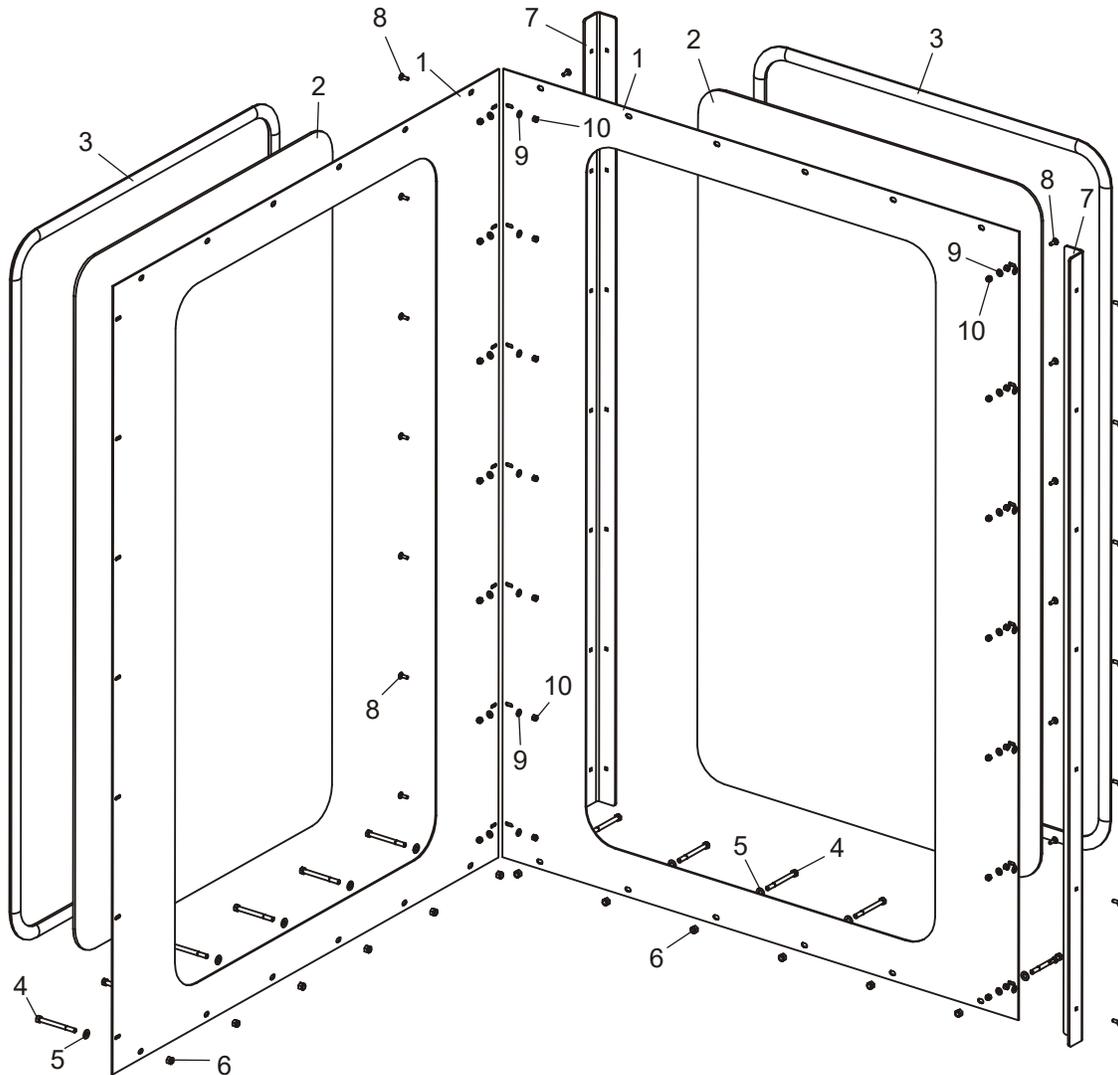
300\_0213-7

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>PANEL ASSEMBLY, DOOR</b>                                  | 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    |

**10****Operator Station**  
*Right Panel*

|    |  |            |   |  |
|----|--|------------|---|--|
| 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

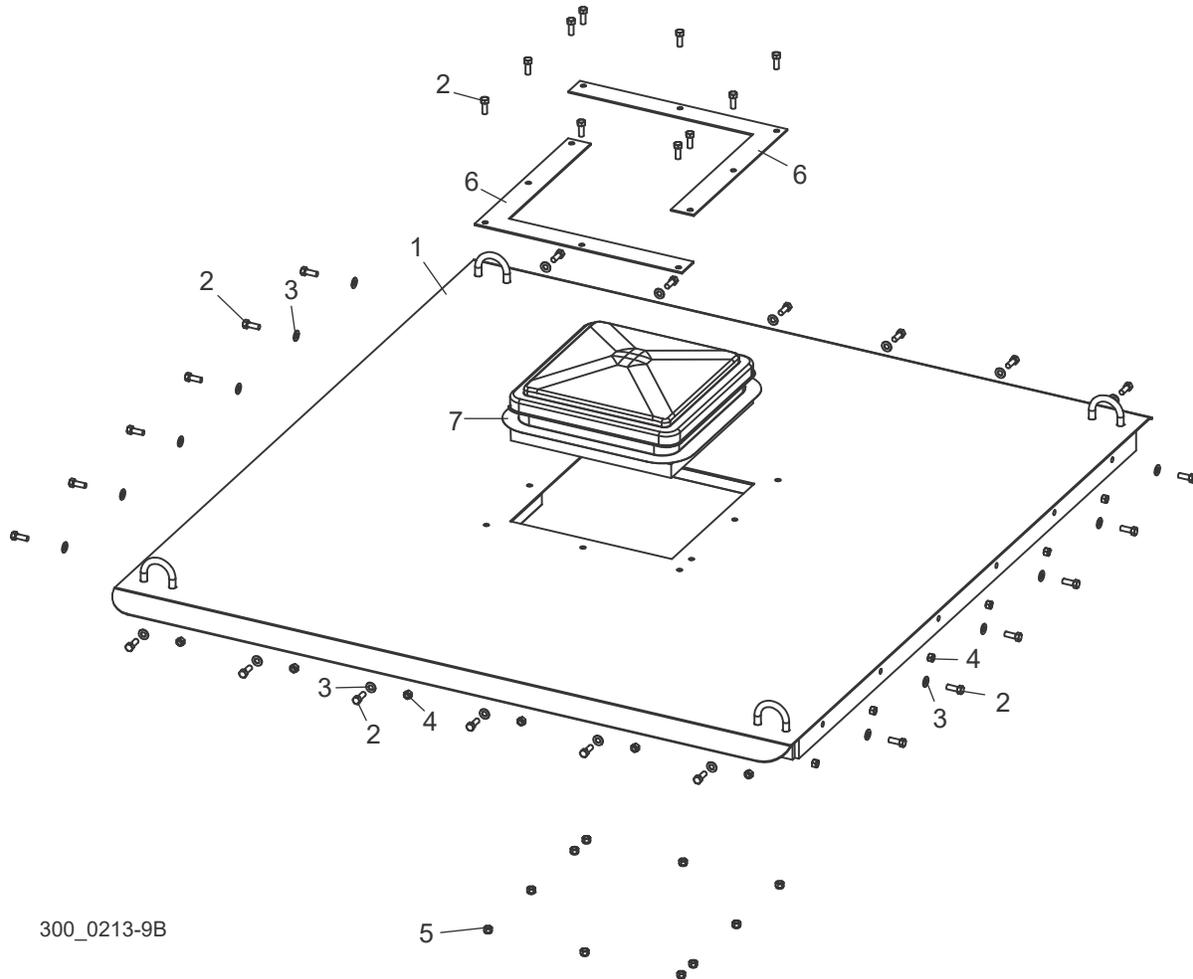
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>PANEL ASSEMBLY, WINDOW</b>                                | 058177     | 2    |
| 1   | Panel, Window  | 058179     | 1    |
| 2   | Window, Cab Front  | 042631     | 1    |
| 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   | <b>ANGLE, CORNER SUPPORT</b>                                 | 058917     | 2    |
| 8   | <b>BOLT, 1/4-20 X 3/4" CARRIAGE</b>                          | F05005-113 | 28   |

**10****Operator Station***Front Panel*

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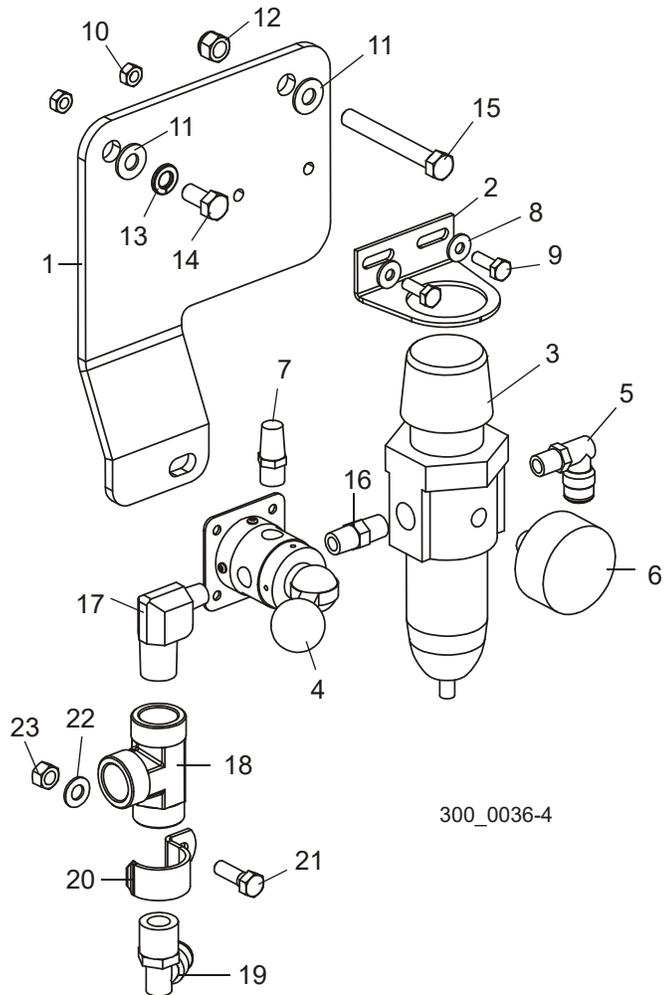
|    |                        |           |    |  |
|----|------------------------|-----------|----|--|
| 9  | WASHER, 1/4" SAE FLAT  | F05011-11 | 28 |  |
| 10 | NUT, 1/4-20 NYLON LOCK | F05010-69 | 28 |  |

## 10.9 Roof



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>ROOF ASSEMBLY, LT300 CAB</b>                              | 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

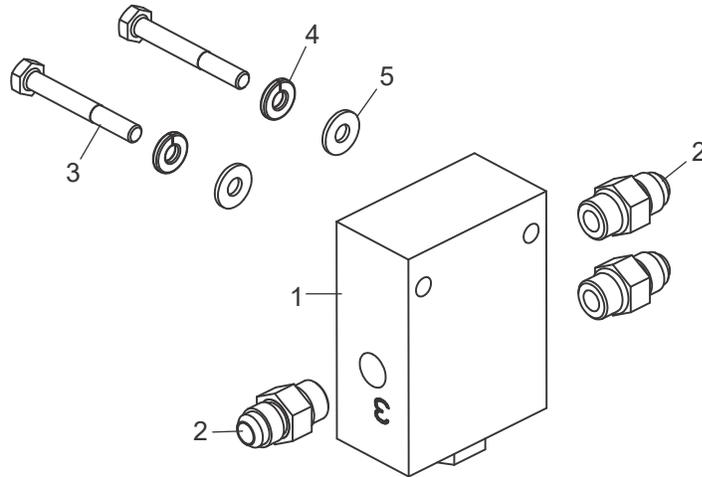


300\_0036-4

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>AIR SUPPLY,</b>   | 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    |

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

**10.11 Turner Down Flow Divider**



300\_0245

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>DIVIDER ASSEMBLY, TURNER DOWN FLOW</b>                    | 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)



300\_0303



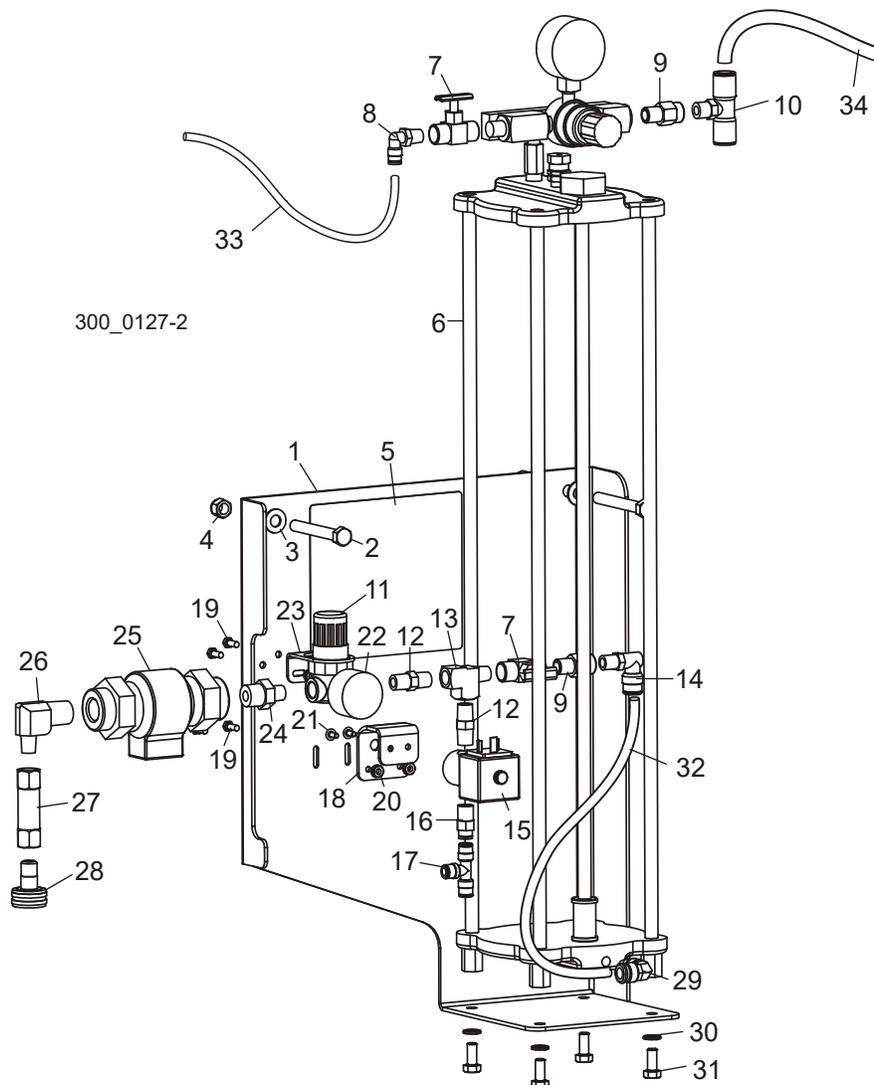
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY.  |
|-----|--|----------|-------|
|     | <b>AIR CONDITIONING/HEAT ASSEMBLY, CAB (OPTIONAL)</b>        | A/C1     | 1     |
| 1   | A/C Unit, AC1 (Rev. A4.00)                                   | 074118   | 1     |
| 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 OPTION

### 11.1 Pressure Lube System

WM4000

Rev. A1.00+



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>LUBE SYSTEM, WM4000 OPTIONAL PRESSURE BLADE</b>           | 074061-A  | 1    |
| 1   | Bracket, Pressure Lube Mount                                 | 036685    | 1    |
| 2   | Bolt, 3/8-16 x 3" Hex Head Full Thread                       | F05007-1  | 2    |
| 3   | Washer, 3/8" SAE Flat  | F05011-3  | 2    |
| 4   | Nut, 3/8-16 Hex Nylon Lock                                   | F05010-10 | 2    |
| 5   | Decal, Pressure Lube Layout                                  | 036747    | 1    |
| 6   | Reservoir Assembly, Pressure Lube                            | 051434    | 1    |

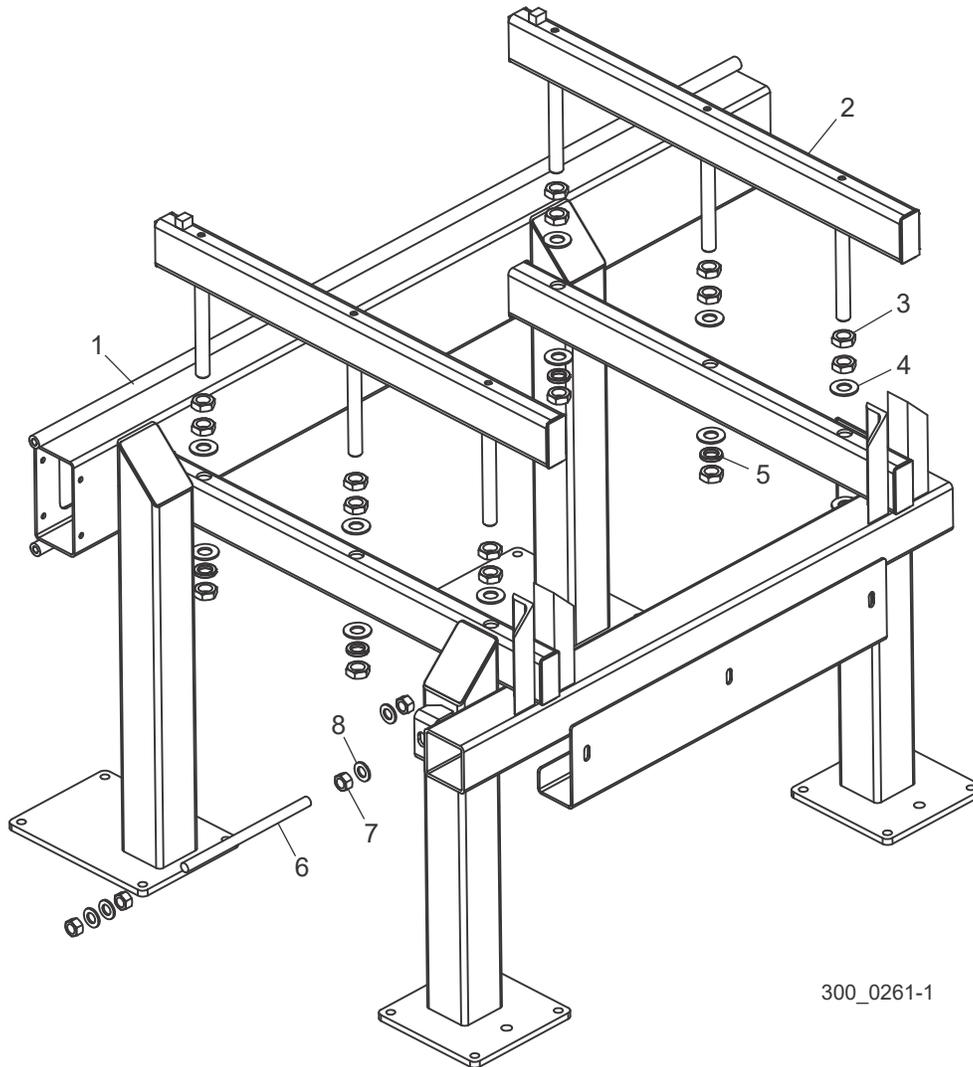
|    |  |            |          |  |
|----|--|------------|----------|--|
| 7  | Valve, 1/4" NPT Brass Female Needle                | 051392     | 2        |  |
| 8  | Fitting, 1/4" NPT x 1/4" Tube 90° Elbow Air        | P21519     | 1        |  |
| 9  | Valve, 1/4" NPT Male-Female Check                  | 051394     | 2        |  |
| 10 | Fitting, 1/4" NPT x 1/2" Tube Tee                  | 038737     | 1        |  |
| 11 | Regulator, 1/4" NPT 125 PSI Water                  | 051427     | 1        |  |
| 12 | Fitting, 1/4" NPT Hex Pipe Nipple                  | P05389     | 2        |  |
| 13 | Fitting, 1/4" NPT Female-Male-Female Tee           | P05382     | 1        |  |
| 14 | Fitting, 1/4" NPT x 3/8" Tube 90° Elbow Air        | P21521     | 1        |  |
| 15 | Valve, 1/4" NPT Water NC 2-Way Solenoid            | 051432     | 1        |  |
|    | Cable Assembly, Industrial Mill High Pressure Lube | 068215     | 1        |  |
| 16 | Fitting, 1/4" NPT x 1/4" Tube Straight Air         | P20903     | 1        |  |
| 17 | Fitting, 1/4" Tube Air Tee                         | P21544     | 1        |  |
| 18 | Bracket, Solenoid Mount                            | 036688     | 1        |  |
| 19 | Screw, #10-24 x 1/2" Unslotted Hex Stainless Steel | F05004-27  | 4        |  |
| 20 | Nut, #10-24 Self-Locking Hex                       | F05010-14  | 4        |  |
| 21 | Screw, #8-32 x 3/8" Round Head Grade 5             | F05004-157 | 2        |  |
| 22 | Gauge, 160 PSI                                     | P02766     | 1        |  |
| 23 | Bracket, Regulator Mount                           | 051429     | 1        |  |
| 24 | Fitting, 1/2" NPT x 1/4" NPT Hex Nipple            | 038484     | 1        |  |
| 25 | Valve, 1/2" NPT Vacuum Break Dual Check            | 038483     | 1        |  |
| 26 | Fitting, 1/2" NPT x 1/4" NPT 90° Elbow             | 016881     | 1        |  |
| 27 | Strainer, 1/4" NPT 100 Mesh Inline                 | 051882     | 1        |  |
| 28 | Fitting, 1/4" NPT x Female Water Hose              | 051433     | 1        |  |
| 29 | Fitting, 1/8" NPT x 3/8" Tube 90° Elbow            | P21552     | 1        |  |
| 30 | Washer, 5/16" Split Lock                           | F05011-13  | 4        |  |
| 31 | Bolt, 5/16-24 x 3/4" Hex Head Grade 5 Full Thread  | F05006-105 | 4        |  |
| 32 | Tubing, 3/8" Chainflex Air                         | R01869-4   | 5 ft.    |  |
| 33 | Tubing, 1/4" Chainflex Air                         | R01869-3   | 2.58 ft. |  |
| 34 | Tubing, 1/2" Chainflex Air                         | R01869-5   | 3 ft.    |  |

# 12

## Bed Extension Bed Extension Complete (BX6)

### SECTION 12 BED EXTENSION OPTION

#### 12.1 Bed Extension Complete (BX6)



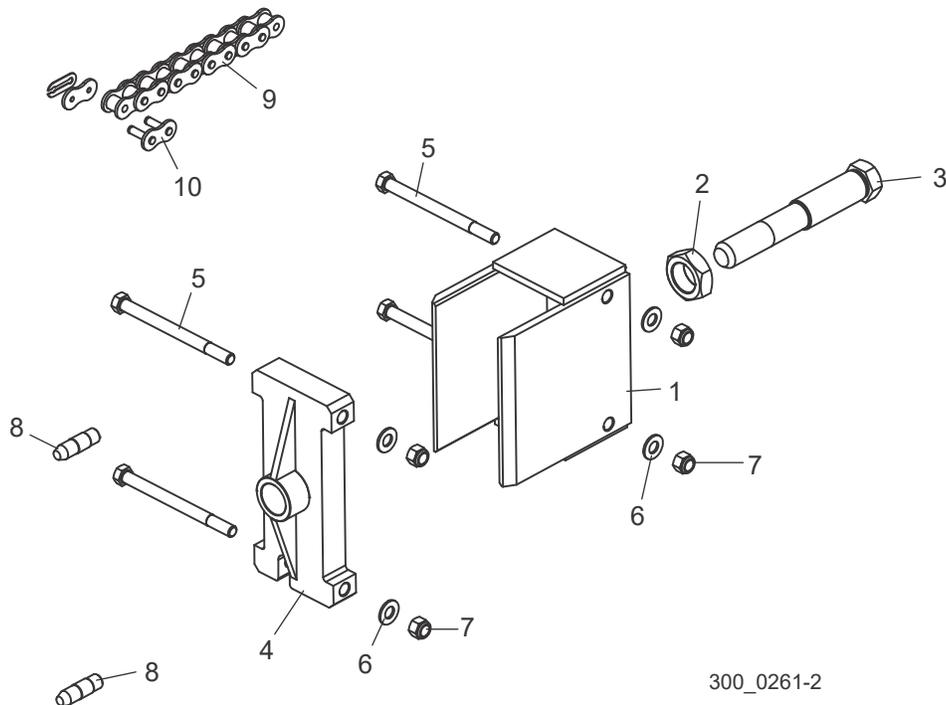
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>BED EXTENSION, WM4000 6-FOOT</b>                          | BX6-4000   | 1    |
| 1   | Frame Weldment, WM4000 BX6                                   | 071367     | 1    |
|     | Rail Assembly, Bed   | 065981     | 1    |
| 2   | Rail Weldment, Bed   | 062626     | 1    |
| 3   | Nut, 1-8 Hex Jam   | F05010-188 | 9    |
| 4   | Washer, 1" ID SAE Flat                                       | F05011-28  | 6    |
| 5   | Washer, 1" Split Lock  | F05011-53  | 3    |
| 6   | Rod, Foot Threaded   | 051357     | 1    |

|          |  |           |   |  |
|----------|--|-----------|---|--|
| <b>7</b> | Nut, 3/4-16 Hex  | F05010-92 | 4 |  |
| <b>8</b> | Washer, 3/4" SAE Flat  | F05011-62 | 4 |  |
|          | Box Assembly, WM4000 BX6 Installation ( <a href="#">See Section 12.2</a> ) | 074088    | 1 |  |
|          | Decal, Revision  | 016187    | 1 |  |
|          | Overlayment, Revision Decal  | 016200    | 1 |  |

# 12

## Bed Extension Connection Hardware (BX6)

### 12.2 Connection Hardware (BX6)



300\_0261-2

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY. |
|-----|--|---------------------|------|
|     | <b>BOX ASSEMBLY, WM4000 BX6 INSTALLATION</b>                 | 074088              | 1    |
|     | Box Assembly, BedX Connection                                | 017700              | 1    |
| 1   | Box Weldment, BedX Connection                                | 017695              | 1    |
| 2   | Nut, 1-14 Left Hand Hex Jam                                  | F05010-172          | 1    |
| 3   | Screw, BedX Connection                                       | 017690              | 1    |
| 4   | Plate Weldment, BedX Connection                              | 017699              | 1    |
| 5   | Bolt, 3/8-16 x 4 3/4" Hex Head Grade 5                       | F05007-109          | 4    |
| 6   | Washer, 3/8" SAE Flat  | F05011-13           | 4    |
| 7   | Nut, 3/8-16 Hex Nylon Lock                                   | F05010-10           | 4    |
| 8   | Pin, BedX Connecting   | 017689              | 2    |
| 9   | Chain, #60 x 70 1/2"   | 017840              | 1    |
| 10  | Link, #60 Master   | 042398              | 1    |
|     | Hose Extension Kit, WM4000 BX6                               | 074087 <sup>1</sup> | 1    |
|     | Hose, 3/8" Hydraulic w/Fittings CS 72" Long                  | 074184              | 11   |
|     | Hose, 1/4" Hydraulic w/Fittings CS 72" Long                  | 074191              | 6    |
|     | Hose, 1/2" Hydraulic w/Fittings CS 72" Long                  | 074192              | 8    |
|     | Union, 1/4"TB-1/4"TB JIC Small Hex                           | 016539              | 6    |
|     | Union, 3/8"TB-3/8"TB JIC Small Hex                           | 016540              | 11   |
|     | Union, 1/2"TB-1/2"TB JIC Small Hex                           | 074089              | 8    |
|     | Bolt, 1/2" x 5-1/2" Concrete Wedge Anchor                    | F05008-131          | 16   |
|     | Shim Kit, WM4000 BX6   | 074090              | 1    |

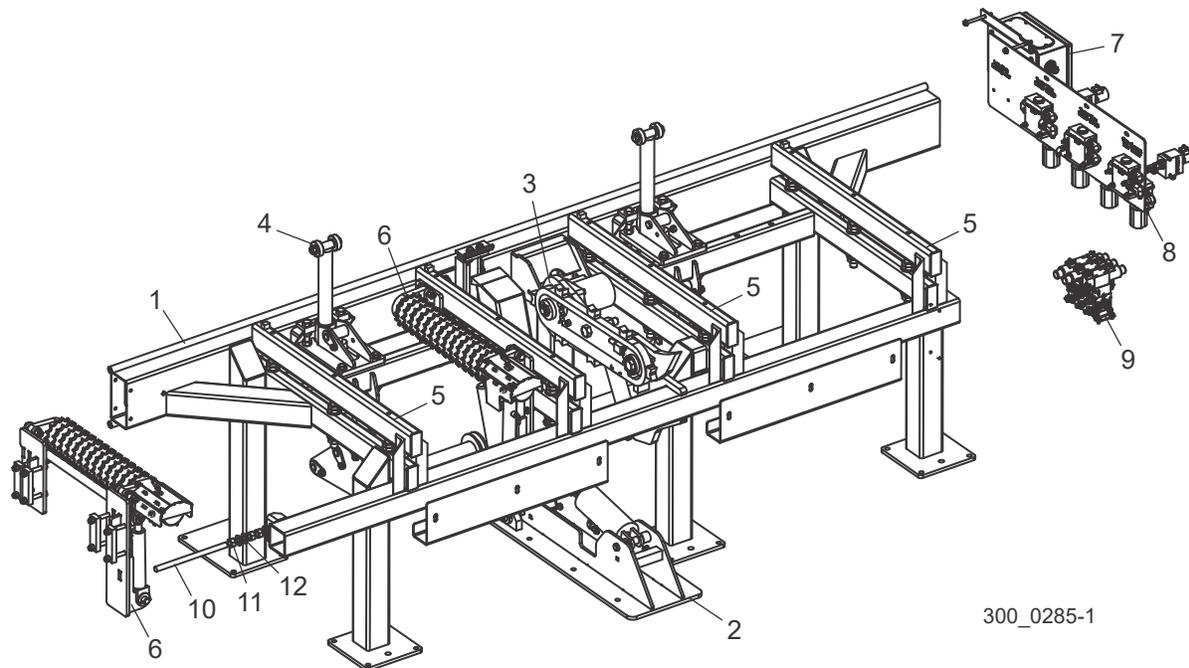
|  |                         |           |   |  |
|--|-------------------------|-----------|---|--|
|  | Plate, WM4000 14GA Shim | 074032-14 | 2 |  |
|  | Plate, WM4000 11GA Shim | 074032-11 | 2 |  |
|  | Plate, WM4000 7GA Shim  | 074032-7  | 4 |  |
|  | Plate, WM4000 1/4" Shim | 074032-25 | 4 |  |

<sup>1</sup> Updated (2) hoses and fittings for conveyor drive motor from 3/8" to 1/2" (BX6-4000 Rev. A1.01).

# 12

## Bed Extension Bed Extension Complete (BX12)

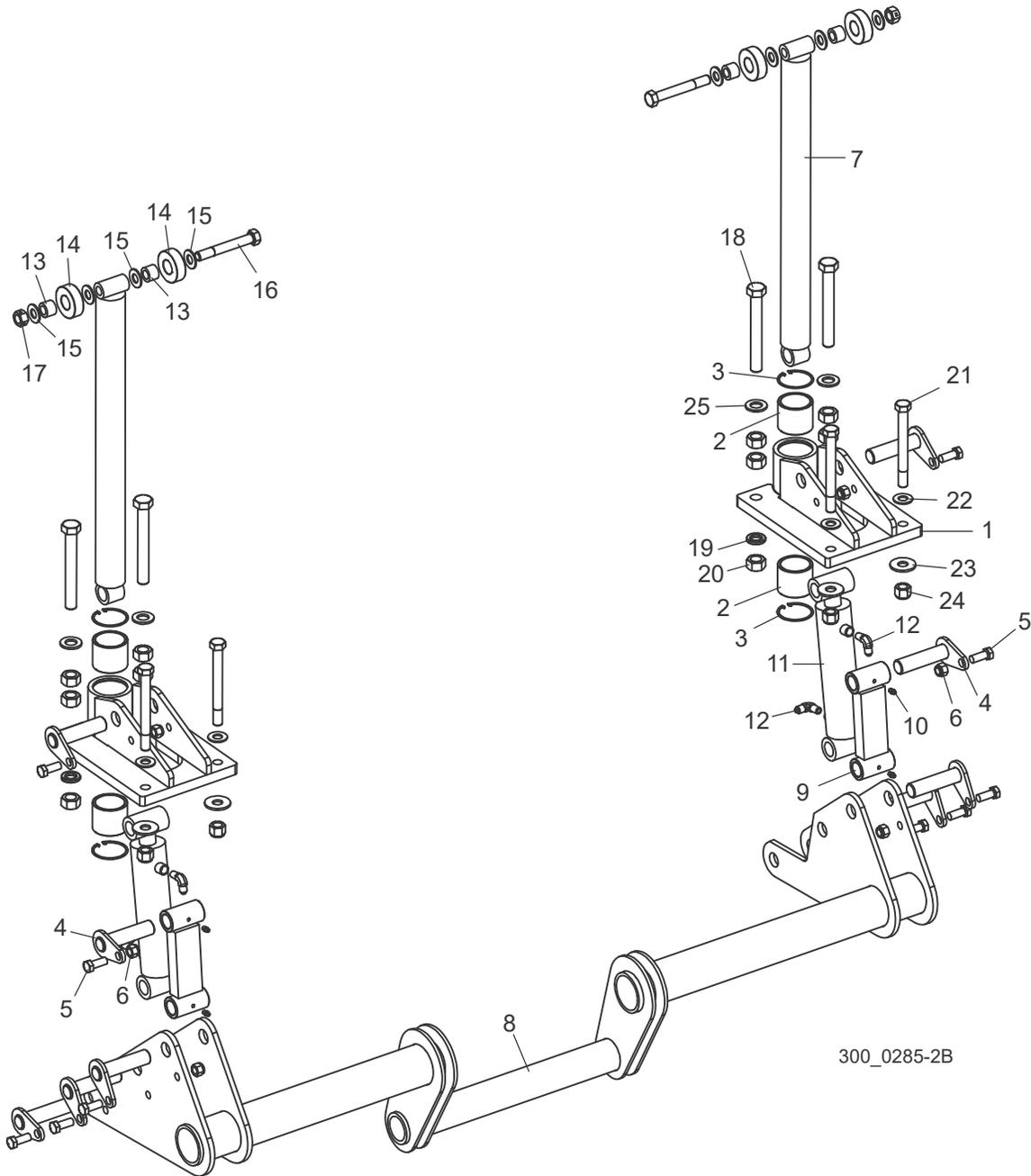
### 12.3 Bed Extension Complete (BX12)



300\_0285-1

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)                    | PART #         | QTY. |
|-----|---|----------------|------|
|     | <b>BED EXTENSION, WM4000 12-FOOT</b>  | BX12-4000      | 1    |
| 1   | Frame Weldment, WM4000 BX12   | 075112         | 1    |
| 2   | Floor Mount Hydraulic Log Clamp Assembly ( <a href="#">See Section 8.3</a> )    | 062748         | 1    |
| 3   | 2-point Chain Hydraulic Log Turner Assembly ( <a href="#">See Section 8.2</a> ) | 074028         | 1    |
| 4   | BX12 Side Support Assembly ( <a href="#">See Section 12.4</a> )                 | 075116         | 1    |
| 5   | Rail Assembly, Bed ( <a href="#">See Section 7.4</a> )                          | 065981         | 4    |
| 6   | BX12 Power Taper Set Roller ( <a href="#">See Section 12.5</a> )                | PTSR-BX12-4000 | 1    |
| 7   | BX Control Box Assembly ( <a href="#">See Section 12.6</a> )                    | 068279         | 1    |
| 8   | BX Valve Assembly ( <a href="#">See Section 12.7</a> )                          | 074291         | 1    |
| 9   | BX Directional Valve Assembly ( <a href="#">See Section 12.8</a> )              | 074292         | 1    |
| 10  | Rod, Foot Threaded  | 051357         | 1    |
| 11  | Nut, 3/4-16 Hex   | F05010-92      | 4    |
| 12  | Washer, 3/4" SAE Flat   | F05011-62      | 4    |
|     | Decal, Revision   | 016187         | 1    |
|     | Overlayment, Revision Decal   | 016200         | 1    |

### 12.4 Hydraulic Side Supports (BX12)



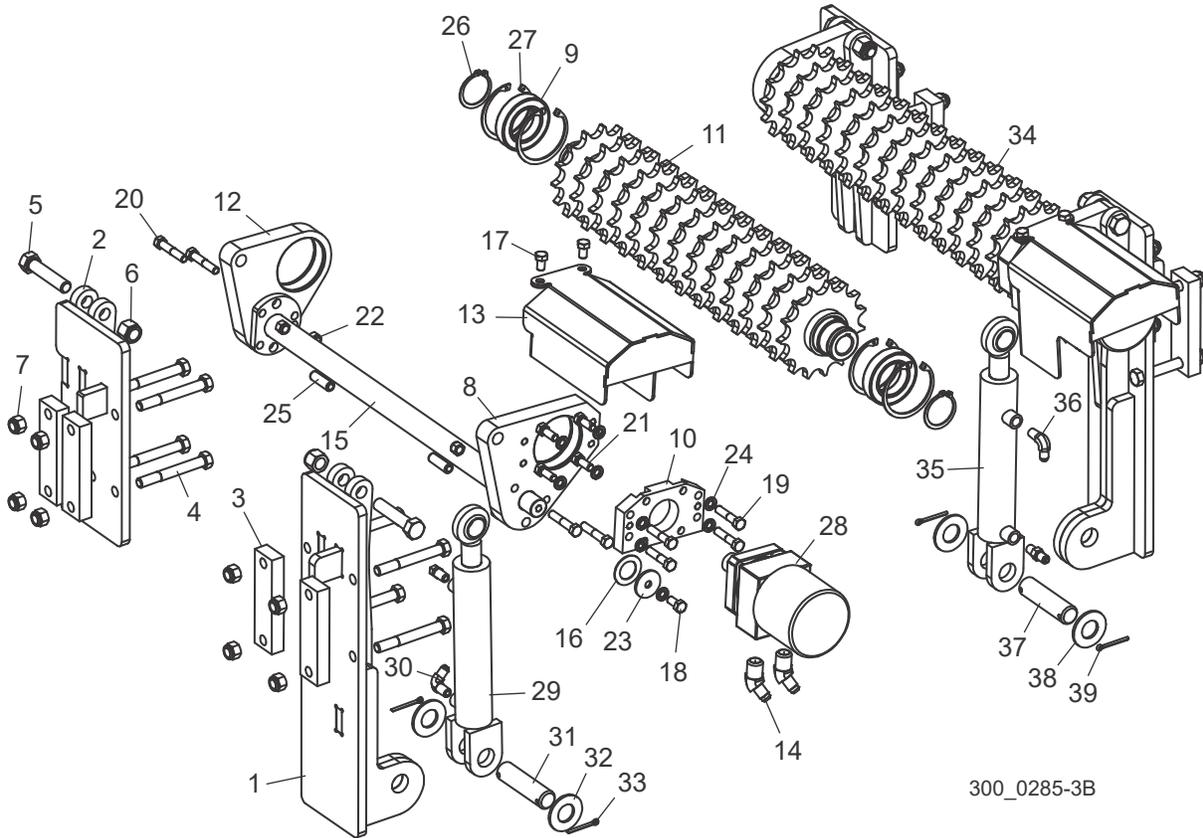
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY. |
|-----|--|-----------|------|
|     | <b>SUPPORT ASSEMBLY, WM4000 BX12 HYDRAULIC LOG SIDE</b>      | 075116    | 1    |
| 1   | Bracket Weldment, Side Support Mount                         | 042233    | 2    |
| 2   | Bushing, Side Support  | 042262    | 4    |
| 3   | Ring, 62mm DIN #472 Inside Retaining                         | F04254-12 | 4    |
| 4   | Pin Weldment, Side Support                                   | 042232    | 10   |

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## Bed Extension Hydraulic Side Supports (BX12)

|    |  |           |    |  |
|----|--|-----------|----|--|
| 5  | Bolt, 1/2-13 x 1 1/4" Hex Head Grade 5         | F05008-37 | 10 |  |
| 6  | Nut, 1/2-13 Hex Nylon Lock                     | F05010-8  | 10 |  |
| 7  | Rod Weldment, Side Support                     | 042234    | 2  |  |
| 8  | Tube Weldment, WM4000 BX12 Side Support Torque | 075117    | 1  |  |
| 9  | Link Weldment, Side Support                    | 042230    | 2  |  |
| 10 | Fitting, 1/4-28 Grease                         | P05060    | 4  |  |
| 11 | Cylinder, 2" x 6" Side Support                 | 035625    | 2  |  |
|    | Seal Kit, 2x6 Hydraulic Cylinder               | 003812    | 1  |  |
| 12 | Fitting, 3/8" JIC x 1/4" NPT 90° Elbow         | 015491    | 4  |  |
|    | Roller Assembly, Side Support                  | 035629    | 2  |  |
| 13 | Roller, Side Support                           | 016561    | 2  |  |
| 14 | Bushing, 5/8" ID x 3/4" OD x 1" Long Bronze    | 016560    | 2  |  |
| 15 | Washer, 5/8" SAE Flat                          | F05011-5  | 4  |  |
| 16 | Bolt, 5/8-11 x 4 1/2" Hex Head Grade 5         | F05009-10 | 1  |  |
| 17 | Nut, 5/8-11 Hex Lock                           | F05010-4  | 1  |  |
| 18 | Bolt, 3/4-10 x 6" Hex Head Full Thread         | F05009-43 | 4  |  |
| 19 | Washer, 3/4" Split Lock                        | F05011-6  | 4  |  |
| 20 | Nut, 3/4-10 Hex                                | F05010-7  | 12 |  |
| 21 | Bolt, 5/8-11 x 6" Hex Head Grade 5             | F05009-22 | 4  |  |
| 22 | Washer, 5/8" SAE Flat                          | F05011-5  | 4  |  |
| 23 | Washer, 5/8" Standard Flat                     | F05011-40 | 4  |  |
| 24 | Nut, 5/8-11 Hex Nylon Lock                     | F05010-34 | 4  |  |
| 25 | Washer, 3/4" SAE Flat                          | F05011-62 | 4  |  |

### 12.5 Power Taper Set Roller Assembly (BX12)



300\_0285-3B

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #         | QTY. |
|-----|--|----------------|------|
|     | <b>ROLLER ASSEMBLY, WM4000 BX12 POWER TAPER SET</b>          | PTSR-BX12-4000 | 1    |
|     | Board Assembly, Bed-X Roller Toe                             | 066920         | 1    |
| 1   | Mount Weldment, Rear Toeboard Cylinder                       | 066881         | 1    |
| 2   | Mount Weldment, Bed-X Toeboard                               | 066919         | 1    |
| 3   | Block, Toe Board Mount                                       | 066892         | 4    |
| 4   | Bolt, 1/2-13 x 4" Hex Head Grade 5                           | F05008-78      | 8    |
| 5   | Bolt, 5/8-11 x 3" Hex Head Grade 5                           | F05009-37      | 2    |
| 6   | Nut, 5/8-11 Nylon Lock                                       | F05010-34      | 2    |
| 7   | Nut, 1/2-13 Nylon Hex Lock                                   | F05010-8       | 8    |
|     | Roller Assembly, Rear Toe Board                              | 066888         | 1    |
| 8   | Plate, Toe Board Main Drive                                  | 066889         | 1    |
| 9   | Bearing, 45mm x 75mm x 16mm Sealed                           | 066900         | 2    |
| 10  | Plate, Toe Board Motor Mount                                 | 066901         | 1    |
| 11  | Roller Weldment, Toeboard                                    | 066902         | 1    |
| 12  | Plate, Toe Board End   | 066905         | 1    |
| 13  | Guard Weldment, Rear Motor                                   | 066908         | 1    |
| 14  | Fitting, 3/8JIC x 1/2 NPT Male 45 Deg                        | 066912         | 2    |

# 12

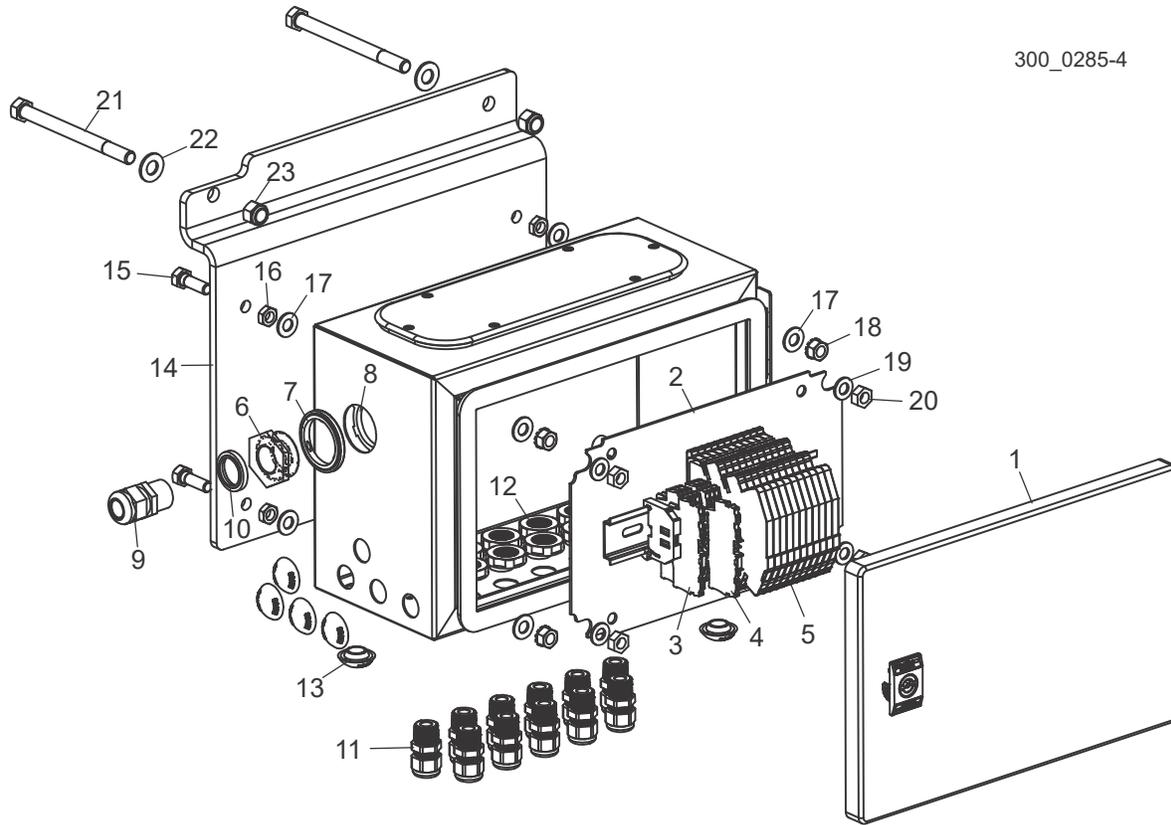
## Bed Extension

### Power Taper Set Roller Assembly (BX12)

|    |   |            |   |  |
|----|---|------------|---|--|
| 15 | Arm Weldment, Toe Board Link  | 066918     | 1 |  |
| 16 | Plate, 1.01 x 1.63x.06 Spacer   | 074280     | 1 |  |
| 17 | Bolt, 3/8-16 x 5/8" Hex Head Grade 5                                  | F05007-148 | 2 |  |
| 18 | Bolt, 3/8-16 x 3/4" Hex Head Grade 5                                  | F05007-118 | 1 |  |
| 19 | Bolt, 3/8-16 x 1 3/4" Hex Head Grade 5                                | F05007-119 | 4 |  |
| 20 | Bolt, 3/8-16 x 2" Hex Head Grade 8                                    | F05007-223 | 4 |  |
| 21 | Bolt, 3/8-16 x 1" Hex Head Grade 5                                    | F05007-87  | 4 |  |
| 22 | Nut, 3/8-16 Hex Nylon Lock  | F05010-10  | 4 |  |
| 23 | Washer, 3/8 x1-1/2 x 1/8 Thick Hardened                               | F05011-104 | 1 |  |
| 24 | Washer, 3/8" Split Lock   | F05011-4   | 9 |  |
| 25 | Pin, 1/2" x 1 1/2" Roll   | F05012-150 | 2 |  |
| 26 | Ring, 45mm External Retaining   | F81090-32  | 2 |  |
| 27 | Ring, 75mm Internal Retaining   | F81090-41  | 4 |  |
| 28 | Motor, Hydraulic, TB0130FP130AAAA                                     | 074281     | 1 |  |
|    | Seal Kit, Hydraulic Motor   | 061136     | 1 |  |
|    | Cylinder Assembly, Bed-X Toeboard Hydraulic                           | 074282     | 1 |  |
| 29 | Cylinder, 1 1/2 x 6 Rod End In Line Ports                             | 014482     | 1 |  |
| 30 | Fitting, 1/4" NPT x 1/4" JIC Male Elbow                               | P09142     | 2 |  |
| 31 | Pin, 1" x 3.88"   | S09251     | 1 |  |
| 32 | Washer, 1" ID SAE Flat  | F05011-28  | 2 |  |
| 33 | Pin, 3/16" x 1 1/2" Cotter  | F05012-23  | 2 |  |
| 34 | Board Assembly, Front Roller Toe ( <a href="#">See Section 8.12</a> ) | 066890     | 1 |  |
|    | Cylinder Assembly, Toe Board Hydraulic                                | 066893     | 1 |  |
| 35 | Cylinder, 1 1/2 x 6 Rod End In Line Ports                             | 014482     | 1 |  |
| 36 | Fitting, 1/4" NPT x 1/4" JIC Male Elbow                               | P09142     | 2 |  |
| 37 | Pin, 1" x 3.88"   | S09251     | 1 |  |
| 38 | Washer, 1" ID SAE Flat  | F05011-28  | 2 |  |
| 39 | Pin, 3/16" x 1 1/2" Cotter  | F05012-23  | 2 |  |
|    | Fitting, 3/8" JIC Cap   | 016816     | 4 |  |
|    | Fitting, 1/2" JIC Cap   | P26341     | 4 |  |

## 12.6 Bed-X Control Assembly (BX12)

300\_0285-4



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)  | PART # | QTY. |
|-----|---|--------|------|
|     | <b>CONTROL ASSEMBLY, INDUSTRIAL MILL HYDRAULIC BX CONTROL</b> | 068279 | 1    |
|     | Control Assembly, Industrial Mill Hydraulic BX Junction       | 068232 | 1    |
| 1   | Enclosure, Ind. Mill Hydraulic Junction                       | 069918 | 1    |
| 2   | Insert, Ind. Mill Junction                                    | 069922 | 1    |
| 3   | Terminal Block, 4Pos 1.5mm GND Clamp                          | 068104 | 4    |
| 4   | Terminal Block, 4Pos 1.5mm Com Clamp                          | 068103 | 4    |
| 5   | Relay, Solid State 2A 24VDC Coil w/Base                       | 068212 | 11   |
| 6   | Connector, 1"-1/2" Reducer Female                             | 053733 | 1    |
| 7   | Ring, 1" Sealing  | 053734 | 1    |
| 8   | Nut, 1" NPT Connector Lock Sealing                            | 053735 | 1    |
| 9   | Connector, 1/2" NPT .17-.47                                   | 051299 | 1    |
| 10  | Ring, 1/2 Sealing   | E20460 | 1    |
| 11  | Connector, 3/8" NPT 0.181-0.312                               | 069864 | 11   |
| 12  | Nut, 3/8" NPT Nylon Lock                                      | 069865 | 11   |
| 13  | Plug, 1/2" Hole Heyco 3830                                    | 068210 | 6    |
|     | Cable Assembly, Ind. Mill Hyd. Bed Ex                         | 068247 | 1    |
|     | Cable Assembly, Ind. Mill Dump BX Trn FR Div                  | 068248 | 1    |
|     | Cable Assembly, Ind. Mill Dump BX Trn FR Blk                  | 068249 | 1    |

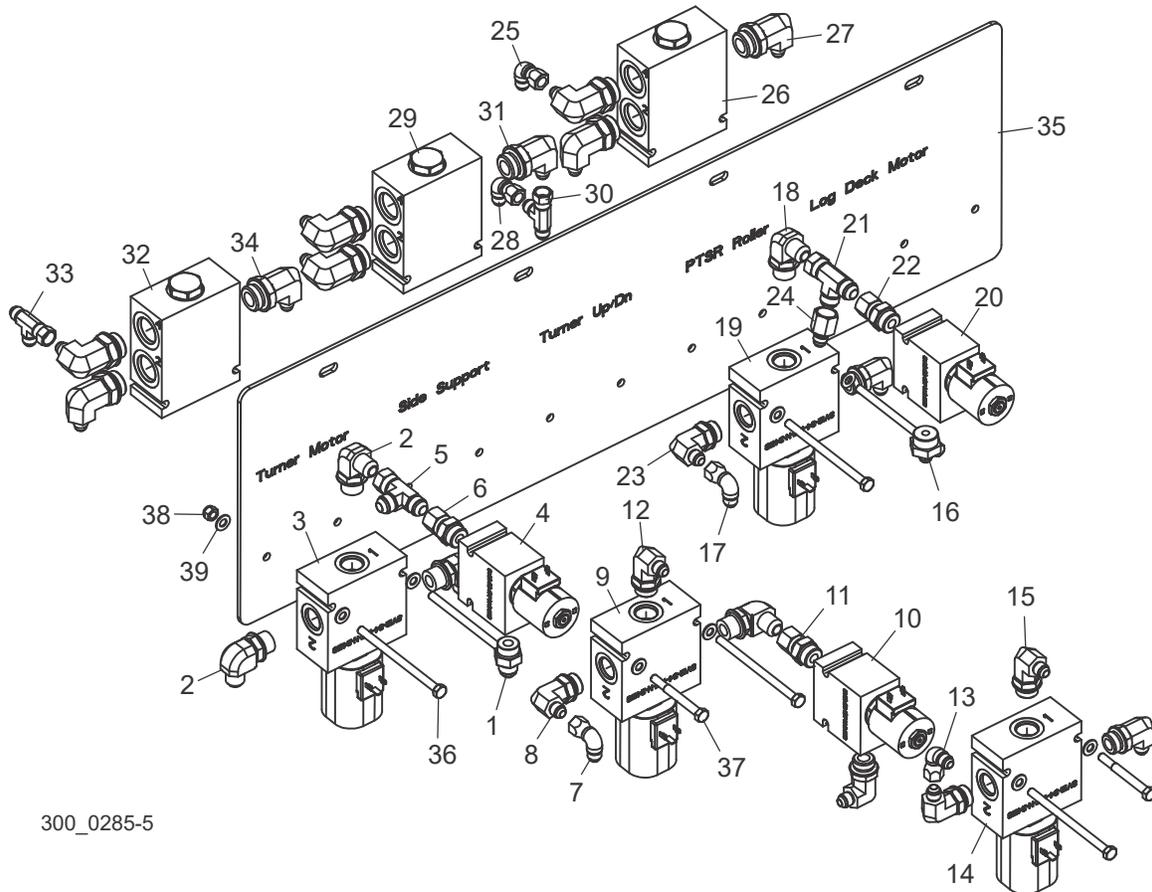
# 12

## Bed Extension

### Bed-X Control Assembly (BX12)

|    |  |            |   |  |
|----|--|------------|---|--|
|    | Cable Assembly, Ind. Mill Dump BX SS UD Div  | 068274     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX SS UD Blk  | 068275     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX Trn UD Div | 068276     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX PT FR Div  | 068277     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX LD UD Div  | 068278     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX LD UD Div  | 068280     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX LD UD Blk  | 068288     | 1 |  |
|    | Cable Assembly, Ind. Mill Dump BX LD FR Div  | 068289     | 1 |  |
|    | Cable Assembly, Ind. Mill BX LD FD Blk       | 068290     | 1 |  |
|    | Cable Assembly, Ind. Mill BedX Toe Brd U/D   | 068291     | 1 |  |
|    | Cable Assembly, Ind. Mill BedX Clamp In/Out  | 068292     | 1 |  |
|    | Cable Assembly, Ind. Mill BedX Clamp U/D     | 068293     | 1 |  |
| 14 | Plate, WM4000 BX12 Control Mount             | 074348     | 1 |  |
| 15 | Bolt, 5/16-18 x 1" Hex Head                  | F05006-1   | 4 |  |
| 16 | Nut, 5/16-18 Hex Jam                         | F05010-173 | 4 |  |
| 17 | Washer, 5/16" SAE Flat                       | F05011-17  | 8 |  |
| 18 | Nut, 5/16-18 Keps                            | F05010-20  | 4 |  |
| 19 | Washer, M8 Flat                              | F05011-131 | 4 |  |
| 20 | Nut, M8-1.25 Free Zinc Plate                 | F05010-162 | 4 |  |
| 21 | <b>BOLT, 3/8-16 X 4 1/2" HEX HEAD</b>        | F05007-35  | 2 |  |
| 22 | <b>WASHER, 3/8" FLAT SAE</b>                 | F05011-3   | 2 |  |
| 23 | <b>NUT, 3/8-16 HEX NYLOC</b>                 | F05010-10  | 2 |  |

## 12.7 Bed-X Valve Assembly (BX12)



300\_0285-5

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
|     | <b>VALVE ASSEMBLY, WM4000 HYDRAULIC BED-X</b>                | 074291 | 1    |
|     | Valve Assembly, Bed-X Turner Motor                           | 074337 | 1    |
| 1   | Fitting, #10 SAE-#8 JIC                                      | 025963 | 1    |
| 2   | Fitting, #10SAE-1/2JIC 90 Elbow                              | 042784 | 3    |
| 3   | Valve, 3-Way Selector  | 074286 | 1    |
| 4   | Valve, 2-Way Normally Closed Blocking                        | 074287 | 1    |
| 5   | Fitting, 8JIC Swivel Nut Run Tee                             | 074300 | 1    |
| 6   | Fitting, 10SAE-8JIC Swivel Nut                               | 074301 | 1    |
|     | Fitting, 1/2JIC Cap  | P26341 | 4    |
|     | Valve Assembly, Bed-X Side Support                           | 074338 | 1    |
| 7   | Fitting, 3/8JIC Swivel Nut 90 Elbow                          | 042756 | 1    |
| 8   | Fitting, #10SAE-1/2JIC 90 Elbow                              | 042784 | 1    |
| 9   | Valve, 3-Way Selector  | 074286 | 1    |
| 10  | Valve, 2-Way Normally Closed Blocking                        | 074287 | 1    |
| 11  | Fitting, 10SAE-8JIC Swivel Nut                               | 074301 | 1    |
| 12  | Fitting, 10SAE-6JIC 90° Elbow                                | 074303 | 3    |

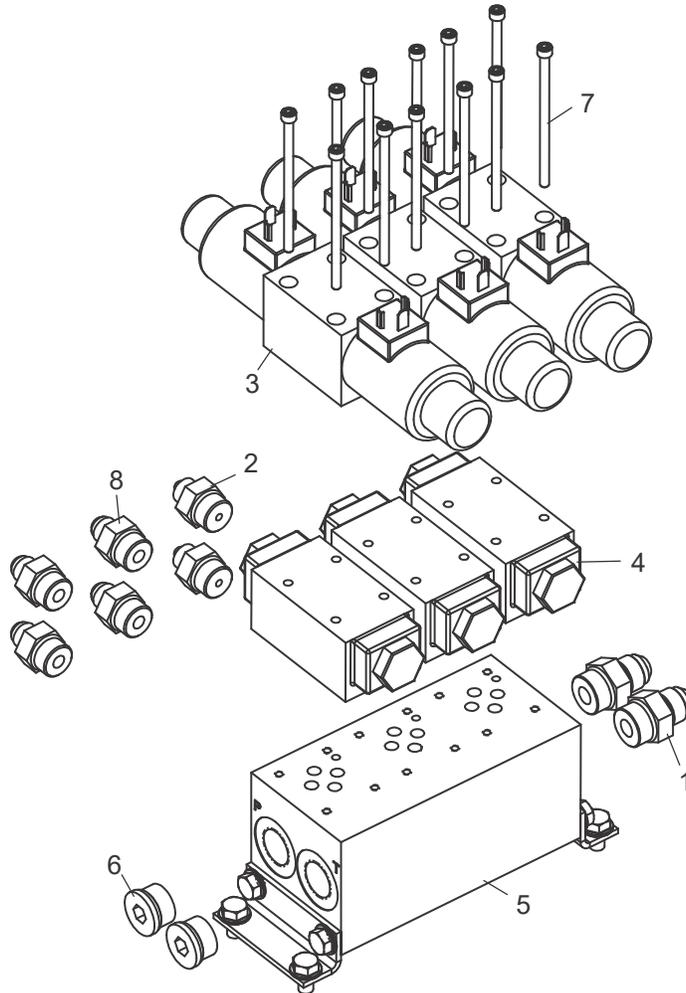
# 12

## Bed Extension

### Bed-X Valve Assembly (BX12)

|    |   |           |    |  |
|----|---|-----------|----|--|
|    | Fitting, 3/8JIC Cap                       | 016816    | 3  |  |
|    | Valve Assembly, Bed-X Turner Up/Down      | 074339    | 1  |  |
| 13 | Fitting, 3/8JIC Swivel Nut 90 Elbow       | 042756    | 1  |  |
| 14 | Valve, 3-Way Selector                     | 074286    | 1  |  |
| 15 | Fitting, 10SAE-6JIC 90° Elbow             | 074303    | 3  |  |
|    | Fitting, 3/8JIC Cap                       | 016816    | 3  |  |
|    | Valve Assembly, Bed-X PTSR Roller         | 074340    | 1  |  |
| 16 | Fitting, #10SAE-3/8JIC Straight           | 017640    | 1  |  |
| 17 | Fitting, 3/8JIC Swivel Nut 90 Elbow       | 042756    | 1  |  |
| 18 | Fitting, #10SAE-1/2JIC 90 Elbow           | 042784    | 1  |  |
| 19 | Valve, 3-Way Selector                     | 074286    | 1  |  |
| 20 | Valve, 2-Way Normally Closed Blocking     | 074287    | 1  |  |
| 21 | Fitting, 8JIC Swivel Nut Run Tee          | 074300    | 1  |  |
| 22 | Fitting, 10SAE-8JIC Swivel Nut            | 074301    | 1  |  |
| 23 | Fitting, 10SAE-6JIC 90° Elbow             | 074303    | 2  |  |
| 24 | Fitting, 8JIC Female - 6JIC Male Reducer  | 074311    | 1  |  |
|    | Fitting, 3/8JIC Cap                       | 016816    | 4  |  |
|    | Divider Assembly, Bed-X Turner 66/33 Flow | 074341    | 1  |  |
| 25 | Fitting, 3/8JIC Swivel Nut 90 Elbow       | 042756    | 1  |  |
| 26 | Valve, 66/33 Flow Divider/Combiner        | 074290    | 1  |  |
| 27 | Fitting, 12SAE-6JIC 90° Elbow             | 074315    | 3  |  |
|    | Fitting, 3/8JIC Cap                       | 016816    | 3  |  |
|    | Divider Assembly, Bed-X Turner 50/50 Flow | 074342    | 1  |  |
| 28 | Fitting, 3/8JIC Swivel Nut 90 Elbow       | 042756    | 1  |  |
| 29 | Valve, 50/50 Flow Divider/Combiner        | 074289    | 1  |  |
| 30 | Fitting, 6JIC Swivel Nut Run Tee          | 074312    | 1  |  |
| 31 | Fitting, 12SAE-6JIC 90° Elbow             | 074315    | 3  |  |
|    | Fitting, 3/8JIC Cap                       | 016816    | 4  |  |
|    | Divider Assembly, Bed-X Side Support Flow | 074343    | 1  |  |
| 32 | Valve, 50/50 Flow Divider/Combiner        | 074289    | 1  |  |
| 33 | Fitting, 6JIC Swivel Nut Run Tee          | 074312    | 1  |  |
| 34 | Fitting, 12SAE-6JIC 90° Elbow             | 074315    | 3  |  |
|    | Fitting, 3/8JIC Cap                       | 016816    | 4  |  |
| 35 | Plate, WM4000 BX12 Valve Mount            | 075164    | 1  |  |
| 36 | Bolt, 5/16-18 x 5" Hex Head Grade 8       | F05006-52 | 6  |  |
| 37 | Bolt, 5/16-18 x 3" Hex Head Grade 5       | F05006-62 | 2  |  |
| 38 | Nut, 5/16-18 Nylon Lock Hex               | F05010-58 | 8  |  |
| 39 | Washer, 5/16 SAE Flat                     | F05011-17 | 16 |  |

## 12.8 Directional Valve Assembly (BX12)



300\_0285-6

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #     | QTY. |
|-----|--|------------|------|
|     | <b>VALVE ASSEMBLY, BED-X DIRECTIONAL</b>                     | 074292     | 1    |
| 1   | Fitting, #10 SAE-#8 JIC                                      | 025963     | 2    |
| 2   | Fitting, #8SAE-1/4JIC  | 036759     | 2    |
| 3   | Valve, D03 3Pos A-B Tank                                     | 078683     | 3    |
| 4   | Valve, D03 PO Check  | 078738     | 3    |
| 5   | Manifold, AD03P032S 3-Section                                | 074293     | 1    |
| 6   | Fitting, 10SAE Straight Thread Plug                          | 074299     | 2    |
| 7   | Screw, 10-24x3 1/2 SHC BO                                    | F05004-293 | 12   |
| 8   | Fitting, 8SAE-6JIC   | P12703     | 4    |
|     | Fitting, 1/4JIC Cap  | 016815     | 2    |
|     | Fitting, 3/8JIC Cap  | 016816     | 4    |
|     | Fitting, 1/2JIC Cap  | P26341     | 2    |

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