

# **Wood-Mizer®**

## **Twin Vertical Saw**

### **Parts Manual**

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**TVSE11S**  
**TVSE15S**

**rev.A9.01**  
**rev.A9.01**

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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.

*Form #1004*

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## SECTION 1 GENERAL INFORMATION

### 1.1 How To Use the Parts List

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

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

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

#### To Order Parts:

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

#### Office Hours:

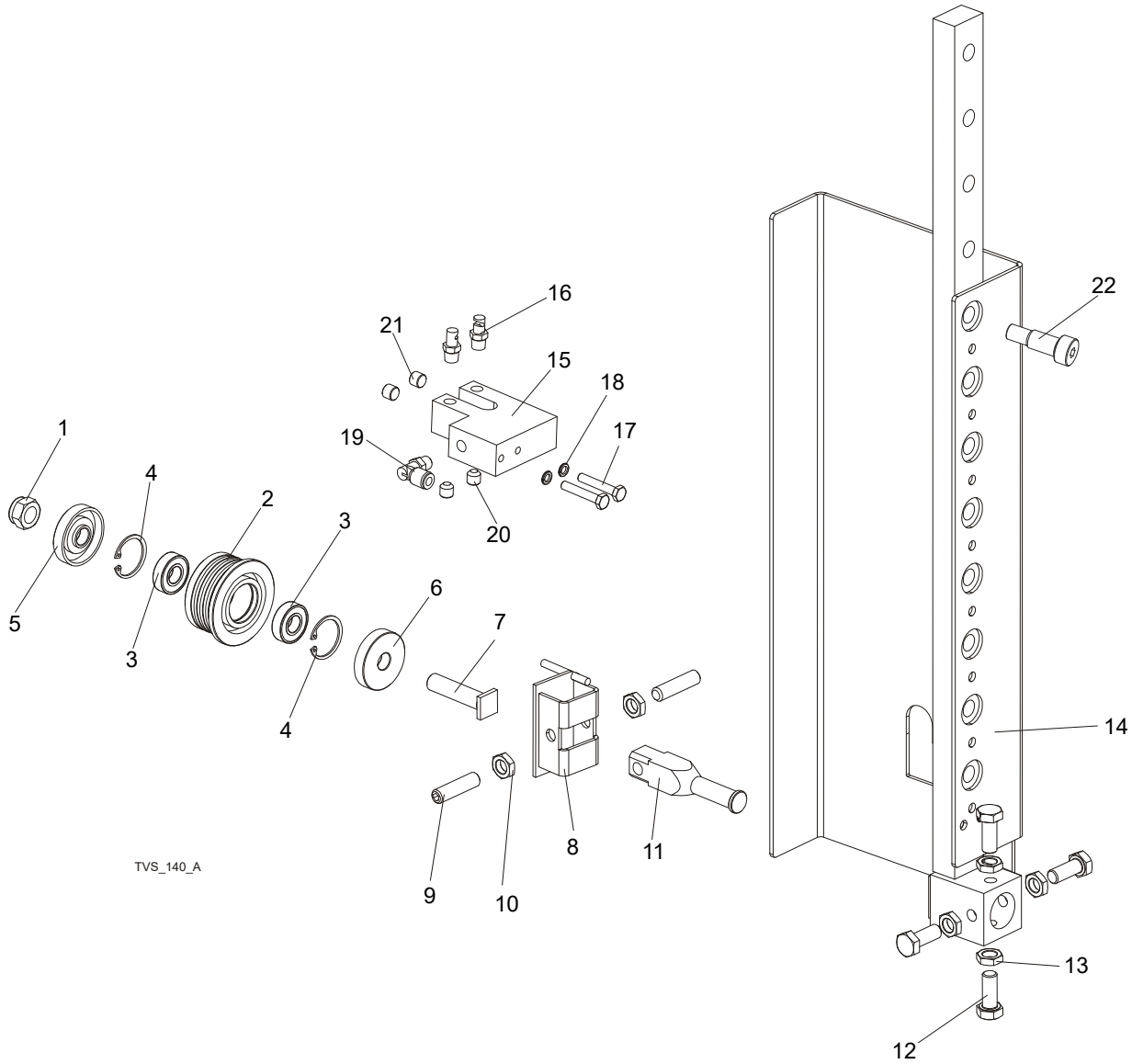
| Country | Monday - Friday | Saturday        | Sunday |
|---------|-----------------|-----------------|--------|
| Poland  | 7-15            | Closed          | Closed |
| US      | 8 a.m.- 5 p.m.  | 8 a.m.- 12 p.m. | Closed |



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

## SECTION 2 BLADE GUIDE ROLLERS & ARM

### 2.1 Blade Guide Assembly, Idle Side



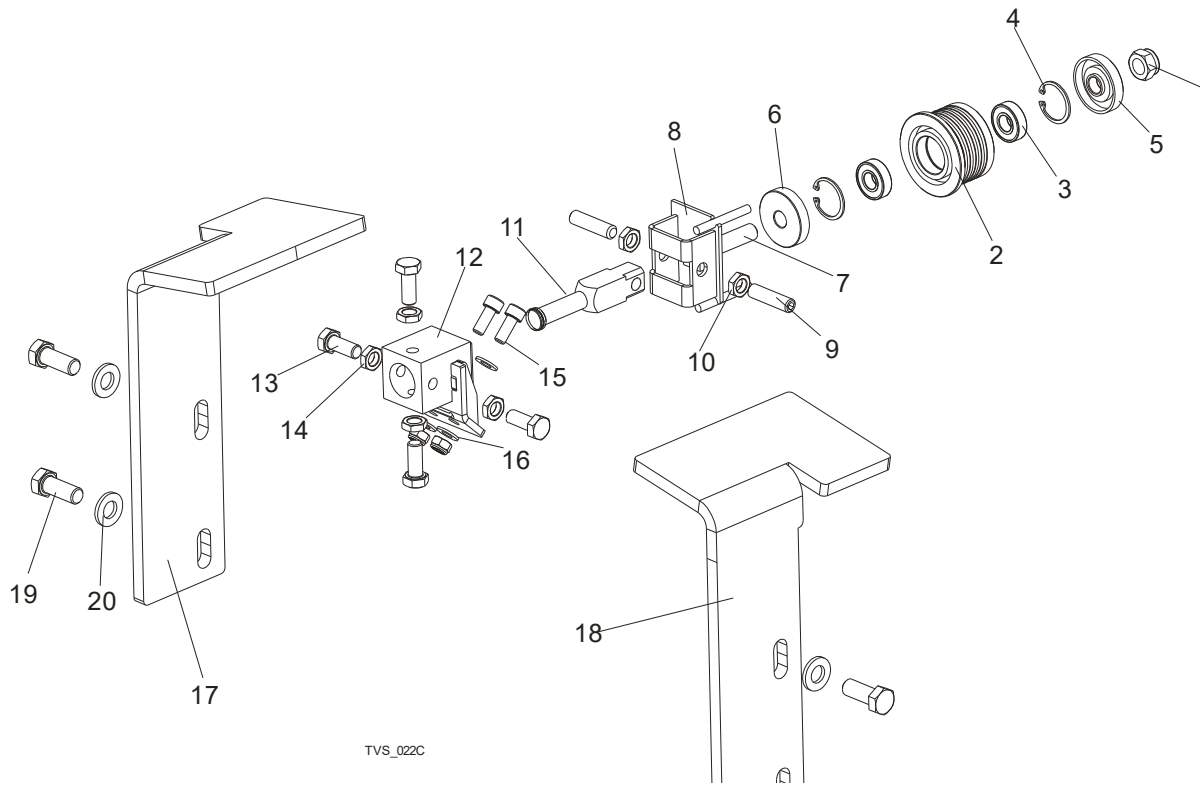
TVS\_140\_A

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |   |
|------|--|----------|-----|---|
|      | <b>ROLLER, TVS BLADE GUIDE COMPLETE</b>                      | 500562   | 1   |   |
|      | ROLLER, TVS BLADE GUIDE                                      | 500561   | 1   |   |
| 1    | NUT, M12-8 HEX NYLON ZINC LOCK                               | F81034-2 | 1   |   |
| 2    | ROLLER, TVS BLADE GUIDE WIDE                                 | 500560   | 1   | ◆ |
| 3    | BEARING, 6001 2RSR FAG                                       | 087893   | 2   |   |
| 4    | RING, W28 INSIDE RETAINING                                   | F81090-9 | 1   |   |
| 5    | RING, ZINC-PLATED SPACER (FOR EXTEND.ROLL)                   | 087891-1 | 1   |   |
| 6    | RING, ZINC-PLATED SPACER (FOR EXTEND.ROLL)                   | 087892-1 | 1   |   |
| 7    | SHAFT, BLADE GUIDE ROLLER ZINC-PLATED                        | 087762-1 | 1   |   |
| 8    | BRACKET WELDMENT, BLADE GUIDE PAINTED                        | 500563-1 | 1   |   |
| 9    | SCREW, M10X1X40 DIN 913 A2-70 SET STAINLESS STEEL            | F81015-2 | 2   |   |

**Blade Guide Rollers & Arm***Blade Guide Assembly, Idle Side*

|    |  |           |   |  |
|----|--|-----------|---|--|
| 10 | NUT, M10X1-04-ST-A2 ISO 8675 THIN        | F81033-10 | 2 |  |
| 11 | SHAFT, BLADE GUIDE MOUNT ZINC-PLATED     | 088255-1  | 1 |  |
| 12 | <b>BOLT, M10x1x25 DIN 933</b>            | F81003-28 | 4 |  |
| 13 | <b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b> | F81033-10 | 4 |  |
| 14 | <b>ROLLER GUIDE, TVS RIGHT</b>           | 508387-1  | 1 |  |
|    | <b>ROLLER GUIDE, TVS LEFT</b>            | 508390-1  | 1 |  |
|    | <b>LUBE SYSTEM, TVS</b>                  | 098583    | 2 |  |
| 15 | BLOCK, NOZZLE MOUNTING ZINC-PLATED       | 097943-1  | 1 |  |
| 16 | NOZZLE, BLADE LUBE SPRAY                 | 033479    | 2 |  |
| 17 | BOLT, M6x35 8.8 HEX HEAD ZINC            | F81001-71 | 2 |  |
| 18 | WASHER, M6 SPLIT LOCK ZINC               | F81053-3  | 2 |  |
| 19 | FITTING, 1/8MPTX1/4 TUBE ELBOW SWIVEL    | P09736    | 1 |  |
| 20 | FITTING, 1/8 NPT SOCKET PIPE PLUG        | P30127    | 2 |  |
| 21 | PLUG, M10x1 DIN 906 BN40 "BOSSARD"       | F81015-3  | 2 |  |
| 22 | BOLT, 12/M10X20 12.9 ISO7379 (BOSSARD)   | F81003-68 | 8 |  |

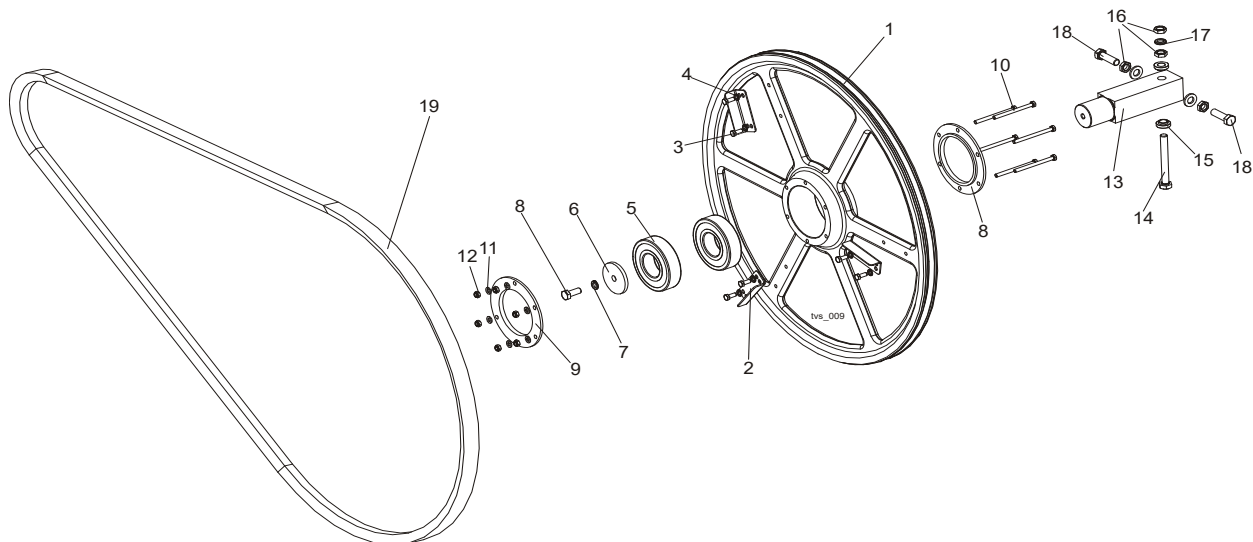
## 2.2 Blade Guide Assembly, Drive Side



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |   |
|------|--|-----------|-----|---|
|      | <b>ROLLER, TVS BLADE GUIDE COMPLETE</b>                      | 500562    | 1   |   |
|      | ROLLER, TVS BLADE GUIDE                                      | 500561    | 1   |   |
| 1    | NUT, M12-8 HEX NYLON ZINC LOCK                               | F81034-2  | 1   |   |
| 2    | ROLLER, TVS BLADE GUIDE WIDE                                 | 500560    | 1   | ◆ |
| 3    | BEARING, 6001 2RSR FAG                                       | 087893    | 2   |   |
| 4    | RING, W28 INSIDE RETAINING                                   | F81090-9  | 1   |   |
| 5    | RING, ZINC-PLATED SPACER (FOR EXTEND.ROLL)                   | 087891-1  | 1   |   |
| 6    | RING, ZINC-PLATED SPACER (FOR EXTEND.ROLL)                   | 087892-1  | 1   |   |
| 7    | SHAFT, BLADE GUIDE ROLLER ZINC-PLATED                        | 087762-1  | 1   |   |
| 8    | BRACKET WELDMENT, BLADE GUIDE PAINTED                        | 500563-1  | 1   |   |
| 9    | SCREW, M10X1X40 DIN 913 A2-70 SET STAINLESS STEEL            | F81015-2  | 2   |   |
| 10   | NUT, M10X1-04-ST-A2 ISO 8675 THIN                            | F81033-10 | 2   |   |
| 11   | SHAFT, BLADE GUIDE MOUNT ZINC-PLATED                         | 088255-1  | 1   |   |
| 12   | <b>BLOCK WELDMENT, PAINTED BLADE GUIDE MOUNT</b>             | 514887-1  | 3   |   |
| 13   | <b>BOLT, M10X1X25 DIN 933 STAINLESS STEEL</b>                | F81003-28 | 1   |   |
| 14   | <b>NUT, M10x1-04-ST-A2 ISO 8675 THIN</b>                     | F81033-10 | 4   |   |
| 15   | <b>SCREW, M8 X 30-8.8 HEX SOCKET HEAD CAP ZINC</b>           | F81002-31 | 2   |   |
| 16   | <b>WASHER, 8.2 SPLIT LOCK ZINC</b>                           | F81054-4  | 2   |   |
| 17   | <b>COVER, DRIVE SIDE ROLLER RIGHT</b>                        | 097660-1  | 1   |   |
| 18   | <b>COVER, DRIVE SIDE ROLLER LEFT</b>                         | 098435-1  | 1   |   |
| 19   | <b>BOLT M12x30-8.8 HEX HEAD FULL THREAD ZINC</b>             | F81004-22 | 4   |   |
| 20   | <b>WASHER, 13 FLAT ZINC</b>                                  | F81056-1  | 4   |   |

## SECTION 3 BLADE WHEELS & TENSIONER

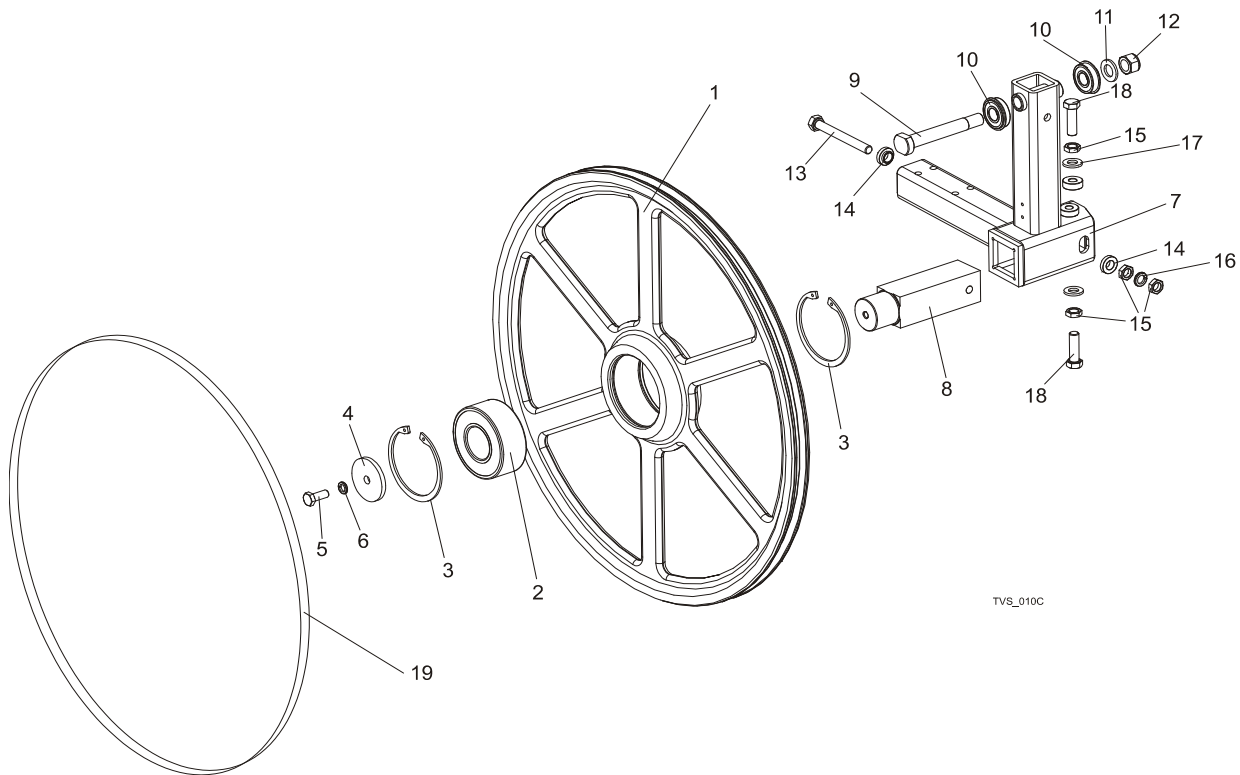
### 3.1 Blade Wheel Assembly, Drive Side



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>DRIVE WHEEL, TVS COMPLETE</b>                             | 096109    | 1   |
| 1    | Wheel, Drive-Side Blade Ptd.                                 | 096105-1  | 1   |
| 2    | Wing, TVS  | 097808-1  | 3   |
| 3    | Bolt, M6 x 16 8.8 Hex Head Full Thread Zinc                  | F81001-15 | 6   |
| 4    | Washer, Z6.1 Split Lock Zinc                                 | F81053-3  | 6   |
| 5    | Bearing, 6309 2RSR   | 096107    | 2   |
| 6    | Washer, Idle Blade Wheel Retaining                           | 088957-1  | 1   |
| 7    | Washer, 10.2 Split Lock Zinc                                 | F81055-2  | 1   |
| 8    | Bolt, M10X25 8.8 Hex Head Full Thread                        | F81003-31 | 1   |
| 9    | Ring, Bearing Mounting                                       | 096108-1  | 2   |
| 10   | Bolt, M6x80 Hex Head Full Thread Zinc                        | F81001-61 | 6   |
| 11   | Washer, 6.4 Flat Zinc  | F81053-1  | 6   |
| 12   | Nut, M6-8-B Hex Nylon Zinc Lock                              | F81031-2  | 6   |
| 13   | <b>AXLE, DRIVE WHEEL TVS</b>                                 | 096110    | 1   |
| 14   | <b>BOLT, M12X1.25X100-8.8 HEX HEAD FULL THREAD ZINC</b>      | F81004-41 | 1   |
| 15   | <b>SPACER, BLADE GUIDE</b>                                   | 086769-1  | 2   |
| 16   | <b>NUT, M12X1.25 8.8 HEX ZINC THIN</b>                       | F81034-5  | 3   |
| 17   | <b>WASHER, Z12.2 SPLIT LOCK ZINC</b>                         | F81056-2  | 1   |
| 18   | <b>BOLT, M12X1.25X40 HEX HEAD ZINC</b>                       | F81004-42 | 2   |
| 19   | <b>BELT, 5VX1080</b>   | 033391    | 1   |



### 3.2 Blade Wheel Assembly, Idle Side

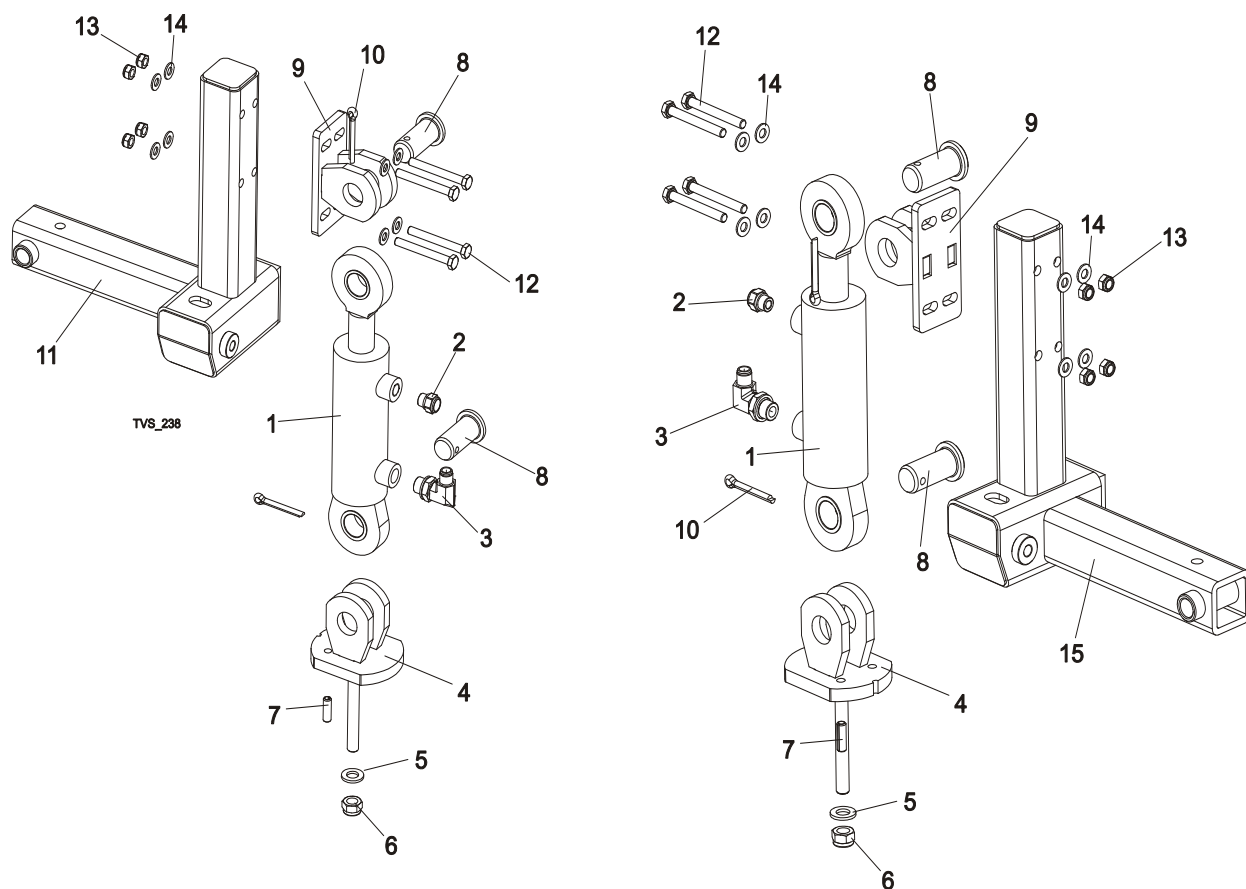


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>WHEEL ASSEMBLY, IDLE SIDE COMPLETE</b>                    | 088764    | 1   |
| 1    | Wheel, Idle Side   | 090810-1  | 1   |
| 2    | Bearing, 3309B.2RSR.TVH FAG                                  | 086428    | 1   |
| 3    | Ring, W100 Inside Retaining                                  | F81090-10 | 2   |
| 4    | <b>WASHER, BLADE WHEEL RETAINING ZINC-PLATED</b>             | 088957    | 1   |
| 5    | <b>BOLT, M10X25 8.8 HEX HEAD FULL THREAD</b>                 | F81003-31 | 1   |
| 6    | <b>WASHER, 10.2 SPLIT LOCK ZINC</b>                          | F81055-2  | 1   |
| 7    | <b>ARM WELDMENT, TVS IDLE LEFT SIDE BLADE WHEEL</b>          | 504816-1  | 1   |
|      | <b>ARM WELDMENT, TVS IDLE RIGHT SIDE BLADE WHEEL</b>         | 504817-1  | 1   |
| 8    | <b>SHAFT, IDLE SIDE BLADE WHEEL</b>                          | 088474    | 1   |
| 9    | <b>BOLT, ARM BEARING MOUNT</b>                               | 086404    | 1   |
| 10   | <b>BEARING, 6203-2RS NR NSK W/SNAP RING</b>                  | 086395    | 2   |
| 11   | <b>WASHER, 17 FLAT ZINC</b>                                  | F81058-1  | 1   |
| 12   | <b>NUT, M16-8 HEX NYLON ZINC LOCK</b>                        | F81036-2  | 1   |
| 13   | <b>BOLT, M12X1.25X100-8.8 HEX HEAD FULL THREAD ZINC</b>      | F81004-41 | 1   |
| 14   | <b>WASHER, FLANGED ZINC-PLATED</b>                           | 086769-1  | 2   |
| 15   | <b>NUT, M12X1.25 8.8 HEX THIN ZINC</b>                       | F81034-5  | 4   |
| 16   | <b>WASHER, Z12.2 SPLIT LOCK ZINC</b>                         | F81056-2  | 1   |
| 17   | <b>WASHER, 13 FLAT ZINC</b>                                  | F81056-1  | 2   |
| 18   | <b>BOLT, M12X1.25X40-8.8 HEX HEAD FULL THREAD ZINC</b>       | F81004-42 | 2   |
| 19   | <b>BELT, B72.5</b>   | 017922-1  | 1   |

# 3 Blade Wheels & Tensioner

## Blade Tensioner Assembly

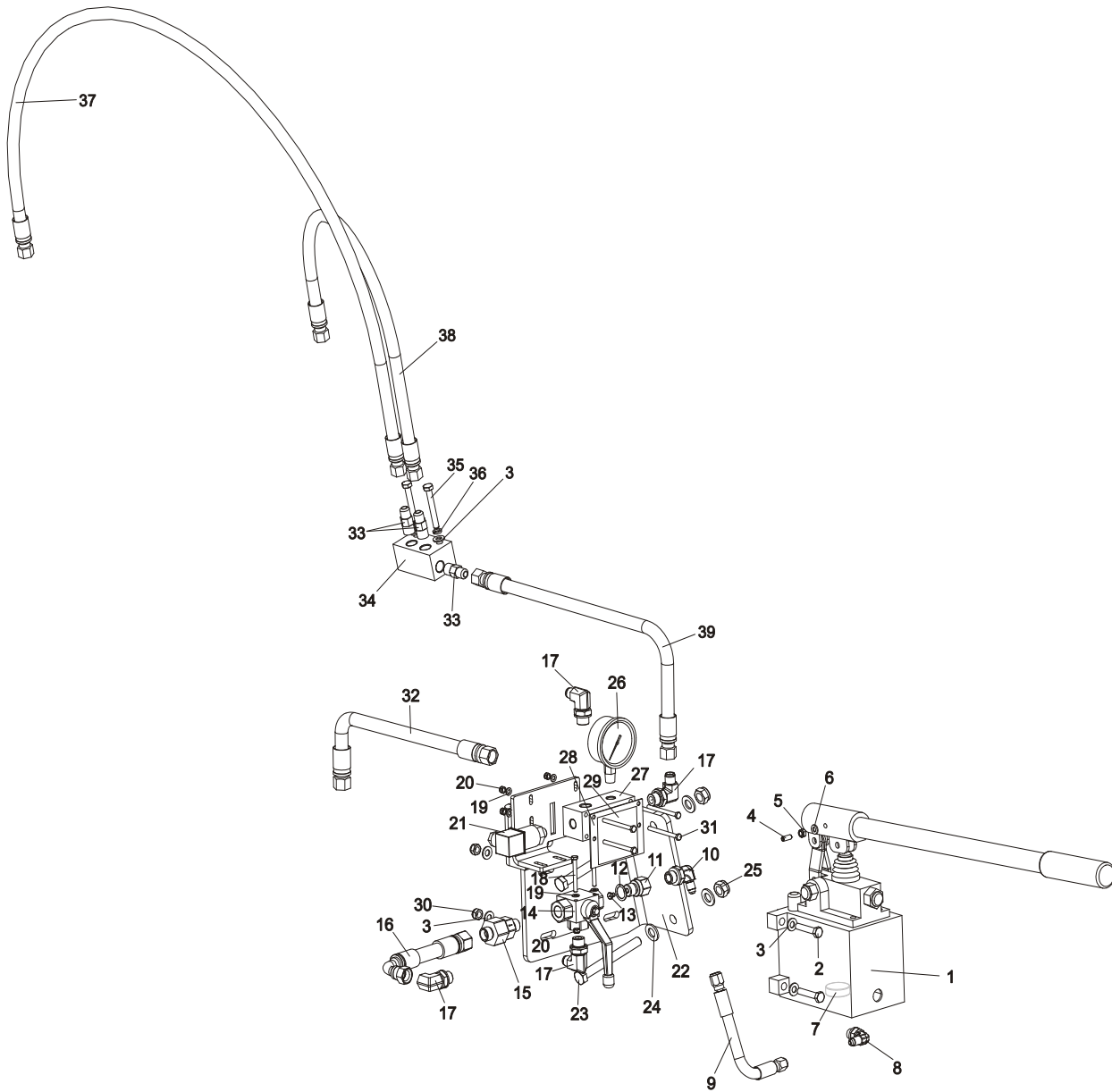
### 3.3 Blade Tensioner Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>HYDRAULIC BLADE TENSIONER, RIGHT SIDE</b>                 | 504826    | 1   |
| 1    | CYLINDER, SJ2F-16-50/28/70 HYDRAULIC                         | 504812    | 1   |
| 2    | BREATHER, TYPE 2901-14-17                                    | 090794    | 1   |
| 3    | FITTING, 3/8" BSP-9/16" JIC ELBOW                            | 096335    | 1   |
| 4    | BRACKET, HYDRAULIC CYLINDER LOWER MOUNTING                   | 504822-1  | 1   |
| 5    | WASHER, 13 FLAT ZINC   | F81056-1  | 1   |
| 6    | NUT, M12-8 HEX NYLON ZINC LOCK                               | F81034-2  | 1   |
| 7    | PIN, 8X26 ROLL ZINC  | F81046-4  | 1   |
| 8    | PIN, ZINC-PLATED   | 504824-1  | 4   |
| 9    | BRACKET, HYDRAULIC CYLINDER UPPER MOUNTING                   | 504819-1  | 2   |
| 10   | PIN, S-ZN 6,3X45 COTTER                                      | F81045-2  | 4   |
| 11   | ARM WELDMENT, TVS IDLE RIGHT SIDE BLADE WHEEL                | 504817-1  | 1   |
| 12   | BOLT, M8X70 8.8 HEX HEAD ZINC                                | F81002-71 | 8   |
| 13   | NUT, M8-8-B HEX NYLON ZINC LOCK                              | F81032-2  | 8   |
| 14   | WASHER, 8.4 FLAT ZINC  | F81054-1  | 16  |
|      | <b>HYDRAULIC BLADE TENSIONER, LEFT SIDE</b>                  | 504815    | 1   |
| 1    | CYLINDER, SJ2F-16-50/28/70 HYDRAULIC                         | 504812    | 1   |
| 2    | BREATHER, TYPE 2901-14-17                                    | 090794    | 1   |
| 3    | FITTING, 3/8" BSP-9/16" JIC ELBOW                            | 096335    | 1   |
| 4    | BRACKET, HYDRAULIC CYLINDER LOWER MOUNTING                   | 504822-1  | 1   |

|           |  |           |    |  |
|-----------|--|-----------|----|--|
| <b>5</b>  | WASHER, 13 FLAT ZINC                         | F81056-1  | 1  |  |
| <b>6</b>  | NUT, M12-8 HEX NYLON ZINC LOCK               | F81034-2  | 1  |  |
| <b>7</b>  | PIN, 8X26 ROLL ZINC                          | F81046-4  | 1  |  |
| <b>8</b>  | PIN, ZINC-PLATED                             | 504824-1  | 4  |  |
| <b>9</b>  | BRACKET, HYDRAULIC CYLINDER UPPER MOUNTING   | 504819-1  | 2  |  |
| <b>10</b> | PIN, S-ZN 6,3X45 CONNER                      | F81045-2  | 4  |  |
| <b>11</b> | USED IN 504826 ASSEMBLY                      |           |    |  |
| <b>12</b> | BOLT, M8X70 8.8 HEX HEAD ZINC                | F81002-71 | 8  |  |
| <b>13</b> | NUT, M8-8-B HEX NYLON ZINC LOCK              | F81032-2  | 8  |  |
| <b>14</b> | WASHER, 8.4 FLAT ZINC                        | F81054-1  | 16 |  |
| <b>15</b> | ARM WELDMENT, TVS IDLE LEFT SIDE BLADE WHEEL | 504816-1  | 1  |  |

**3.4 Blade Tensioner Pump Assembly (No. 504825)**

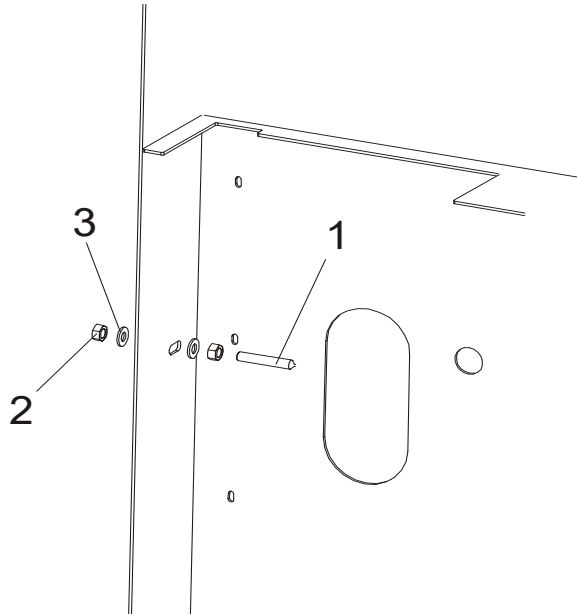


| REF. | DESCRIPTION (◆ indicates parts available in assemblies only) | PART #    | QTY |
|------|--|-----------|-----|
|      | PUMP ASSEMBLY, BLADE TENSIONER                               | 504825    | 1   |
| 1    | PUMP, PMS12/TNK1 MANUAL W/TANK 1L                            | 092789    | 1   |
| 2    | BOLT, M8x40-8.8 HEX HEAD FULL THREAD ZINC                    | F81002-15 | 4   |
| 3    | WASHER, 8.4 FLAT ZINC  | F81054-1  | 10  |
| 4    | LATCH, GN615.3-M6-KN BALL THREADED                           | 096874    | 1   |
| 5    | NUT, M6-8-B HEX NYLON ZINC LOCK                              | F81031-2  | 1   |
| 6    | WASHER, 6.4 FLAT ZINC  | F81053-1  | 1   |
| 7    | MAGNET, MW.38X12/N38 NEODYMIUM                               | 500022    | 1   |
| 8    | ELBOW, CA-204410-3   | 094562    | 1   |
| 9    | HOSE, 1/4"(0.19M) HYDRAULIC                                  | 505174    | 1   |

|    |   |           |   |  |
|----|---|-----------|---|--|
| 10 | ELBOW, CA-204411-3                            | 094563    | 1 |  |
|    | FITTING, G 3/8 THROTTLE                       | 096849    | 1 |  |
| 11 | FITTING, G3/8 ZINC-PLATED SPECIAL             | 096850-1  | 1 |  |
| 12 | WASHER, 16 COPPER                             | F81058-3  | 1 |  |
| 13 | NOZZLE, D092-O 1MM DIA. PROPANE&BUTANE        | 091007    | 1 |  |
| 14 | VALVE, 3-WAY GE5L G3/8" BALL                  | 504803    | 1 |  |
| 15 | VALVE, RHV12LREDA3C CHECK                     | 094559    | 1 |  |
| 16 | HOSE, 3/8" W9/16 ;M18X1.5 END FITTING         | 504831    | 1 |  |
| 17 | FITTING, 3/8" BSP-9/16" JIC ELBOW             | 096335    | 4 |  |
| 18 | BOLT, M5X45 DIN933 A2-70 STAINLESS STEEL      | F81000-22 | 2 |  |
| 19 | WASHER, 5.3 FLAT ZINC                         | F81052-1  | 6 |  |
| 20 | NUT, M5-8 SELF-LOCKING ZINC                   | F81030-2  | 6 |  |
| 21 | SWITCH, F4Z1/M3-20 BAR PRESSURE               | 504830    | 1 |  |
| 22 | PLATE WELDMENT, MOUNTING                      | 504836-1  | 1 |  |
| 23 | BOLT, M12X110-8.8-B HEX HEAD ZINC             | F81004-47 | 2 |  |
| 24 | WASHER, 13 FLAT ZINC                          | F81056-1  | 4 |  |
| 25 | NUT, M12-8 DIN 982 HEX NYLON ZINC LOCK        | F81034-2  | 2 |  |
| 26 | GAUGE, 3000PSI/200 BAR OIL PRESSURE           | 505176    | 1 |  |
| 27 | BLOCK, ZINC-PLATED MOUNTING                   | 504829-1  | 1 |  |
| 28 | PLATE, ZINC-PLATED                            | 505310-1  | 1 |  |
| 29 | DECAL, TVS BLADE TENSIONER HANDLE POSITION    | 505346    | 1 |  |
| 30 | NUT, M8-8-B HEX NYLON ZINC LOCK               | F81032-2  | 4 |  |
| 31 | BOLT, M5X60 8.8 HEX HEAD ZINC                 | F81000-36 | 4 |  |
| 32 | HOSE, 2T3/8X0.380 W9/16UNF-W9/16UNF HYDRAULIC | 504706    | 1 |  |
| 33 | FITTING, G3/8-9/16-18JIC HAND PUMP            | 091842    | 3 |  |
| 34 | TEE FITTING, ZINC-PLATED                      | 504828-1  | 1 |  |
| 35 | BOLT, M8X60-8.8 HEX HEAD ZINC                 | F81002-54 | 2 |  |
| 36 | WASHER, 8.2 SPLIT LOCK ZINC                   | F81054-4  | 2 |  |
| 37 | HOSE, 3/8" 1.2 M HYDRAULIC                    | 089852    | 1 |  |
| 38 | HOSE, 3/8:"(0.7M) HYDRAULIC                   | 504833    | 1 |  |
| 39 | HOSE, 2T3/8X0.540 W9/16UNF-W9/16UNF HYDRAULIC | 505173    | 1 |  |

## SECTION 4 SAW HEAD

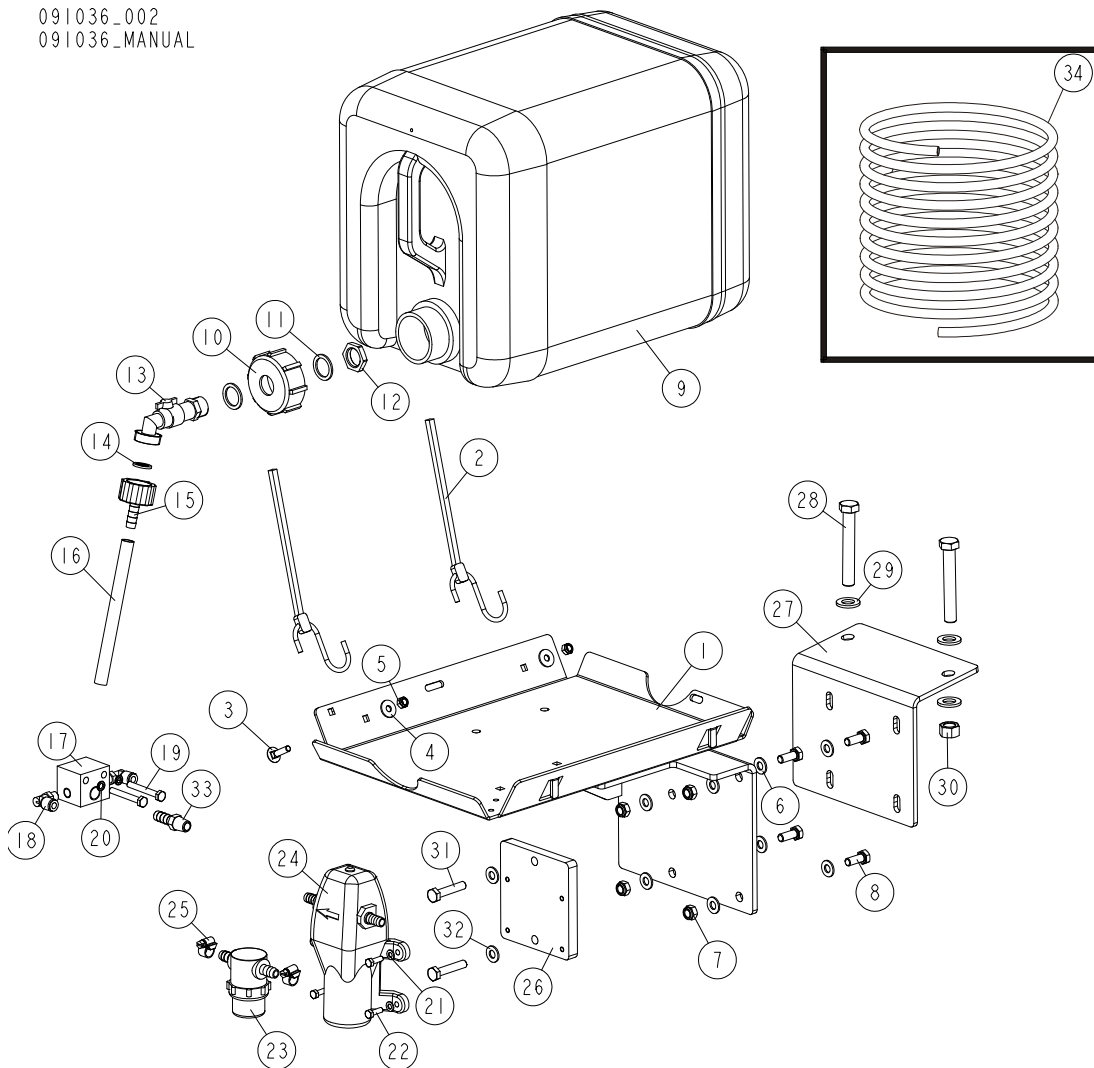
### 4.1 Middle Throat Screw



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

## 4.2 Water Lube Assembly (LMS)

091036\_002  
091036\_MANUAL



| REF | DESCRIPTION (u indicates parts available in assemblies only) | PART #    | QTY |
|-----|--|-----------|-----|
| -   | BOTTLE KIT, LT20 WATER LUBE                                  | 091036    | 1   |
| 1   | TRAY WELDMENT, LT20 WATER LUBE                               | 091033-1  | 1   |
| 2   | STRAP, 20" RUBBER W/HOOK                                     | P11668    | 2   |
| 3   | BOLT, M6X25-8.8 ZINC   | F81001-20 | 2   |
| 4   | WASHER, 6.5 SPECIAL FLAT ZINC                                | F81053-11 | 2   |
| 5   | NUT, M6-8-B HEX NYLON ZINC LOCK                              | F81031-2  | 2   |
| 6   | WASHER, 8.4 FLAT ZINC  | F81054-1  | 8   |
| 7   | NUT, M8 8 HEX NYLON ZINC LOCK                                | F81032-2  | 4   |
| 8   | BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZIN                     | F81002-4  | 4   |
| -   | TANK, OIL  | 550787    | 1   |
| 9   | BOTTLE, WATER  | 513866    | 1   |
| 10  | NUT, BOTTLE  | 550785    | 1   |
| 11  | SEAL, 27X20X1.5 ESSENTRA 467673 RUBBER                       | 550780    | 2   |
| 12  | NUT, 1/2 ESSENTRA 467615 GLAND                               | 550779    | 1   |
| 13  | FITTING, WATER LUBE SHUTOFF VALVE                            | 550776    | 1   |

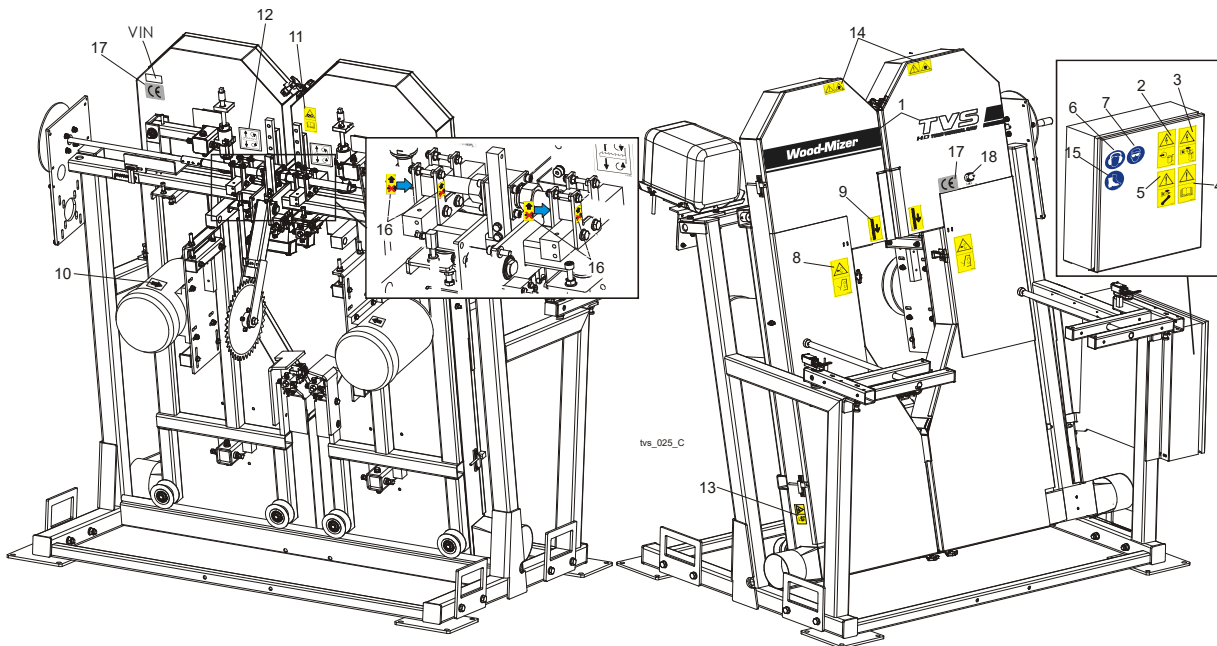
## 4

**Saw Head****Water Lube Assembly (LMS)**

| REF | DESCRIPTION (u indicates parts available in assemblies only) | PART #    | QTY |  |
|-----|--|-----------|-----|--|
| 14  | FILTER, WATER LUBE   | 550778    | 1   |  |
| 15  | FITTING, G3/4" X 10MM HOSE BARB                              | 550777    | 1   |  |
| 16  | TUBING, WATER LUBE 3/8" I.D.                                 | R01885    | 1   |  |
| 17  | BLOCK, TVS LMS DIVIDER                                       | 099213-1  | 1   |  |
| 18  | ELBOW, 90 DEG 1/8MPT 1/4 TUBE SWIVEL                         | P09736    | 2   |  |
| 19  | BOLT, M6X45-8.8 HEX HEAD ZINC                                | F81001-6  | 2   |  |
| 20  | WASHER, Z 6.1 SPLIT LOCK ZINC                                | F81053-3  | 2   |  |
| 21  | WASHER, 5.3 FLAT ZINC  | F81052-1  | 4   |  |
| 22  | BOLT, M5X16-8.8 HEX HEAD FULL THREAD ZIN                     | F81000-51 | 4   |  |
| 23  | FILTER, 3/8 BARB LUBE  | 033447    | 1   |  |
|     | KIT, 80 MESH FILTER SCREEN                                   | 033441    | 1   |  |
| 24  | PUMP ASSEMBLY, PRESSURE LUBE                                 | 510763    | 1   |  |
| 25  | CLAMP, 8-12MM DIA. WORM                                      | F81080-1  | 2   |  |
| 26  | BRACKET, LMS PUMP ZINC-PLATED                                | 098762-1  | 1   |  |
| 27  | BRACKET, WATER TANK MOUNTING                                 | 502906-1  | 1   |  |
| 28  | BOLT, M12X80 -8.8 HEX HEAD ZINC                              | F81004-46 | 2   |  |
| 29  | WASHER, 13 FLAT ZINC   | F81056-1  | 4   |  |
| 30  | NUT, M12-8-B HEX ZINC  | F81034-1  | 2   |  |
| 31  | BOLT, M8X40-8.8 HEX HEAD FULL THREAD ZIN                     | F81002-15 | 2   |  |
| 32  | WASHER, 8.4 FLAT ZINC  | F81054-1  | 2   |  |
| 33  | FITTING, 1/4NPT-3/8 BARB                                     | 014685    | 1   |  |
| 34  | HOSE, 1/4 OD 102.0 LG  | 033456    | 1   |  |

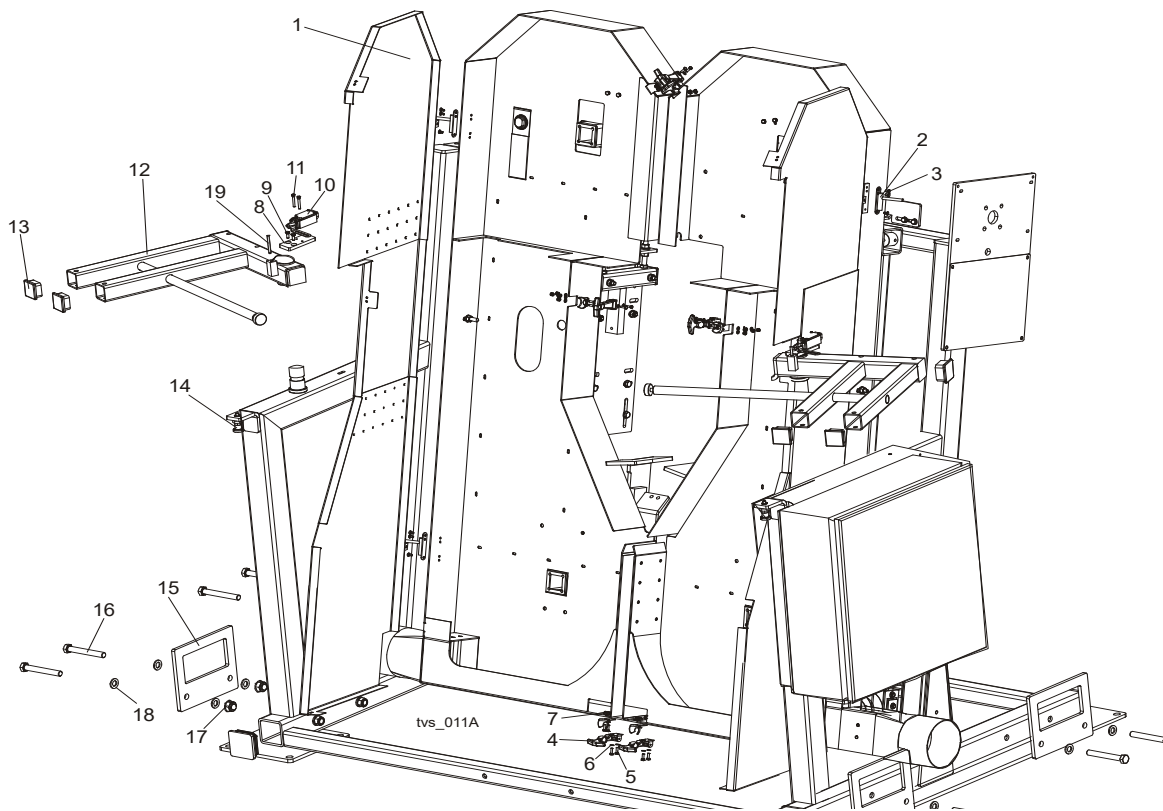


### 4.3 Saw Head Decals



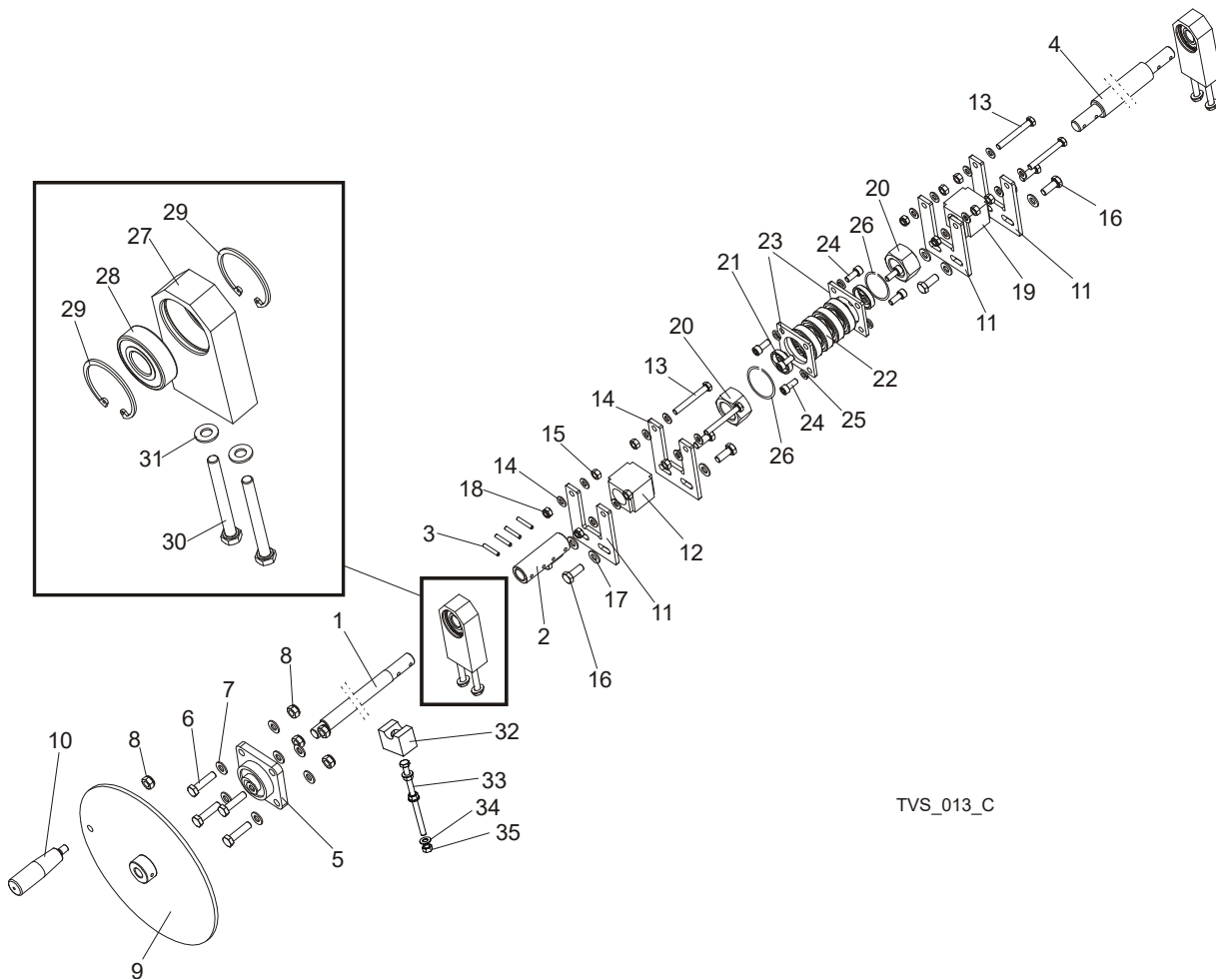
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #  | QTY |
|------|--|---------|-----|
|      | <b>DECALS KIT, TVS COMPLETE (PICTOGRAMS)</b>                 | 099479  | 1   |
| 1    | DECALS, TVS NAME   | 099422  | 1   |
| 2    | DECAL, HIGH VOLTAGE IN ELECTRIC BOX                          | 096316  | 1   |
| 3    | DECAL, DISCONNECT POWER SUPPLY BEFORE OPENING THE BOX        | 096319  | 1   |
| 4    | DECAL, READ THE MANUAL BEFORE OPERATING THE MACHINE          | 096317  | 1   |
| 5    | DECAL, DISCONNECT POWER SUPPLY BEFORE SERVICING              | 098177  | 1   |
| 6    | DECAL, EAR WARNING   | S12005G | 1   |
| 7    | DECAL, EYE WARNING   | S12004G | 1   |
| 8    | DECAL, CLOSE GUARDS PRIOR TO OPERATING THE MACHINE           | 099220  | 2   |
| 9    | DECAL, BLADE MOVEMENT DIRECTION                              | 096321  | 2   |
| 10   | DECAL, MOTOR DIRECTION                                       | S20097  | 2   |
| 11   | DECAL, BLADE TENSION - INSTRUCTIONS (PICTOGRAM)              | 099223  | 1   |
| 12   | DECAL, BLADE ALIGNMENT                                       | P11789  | 2   |
| 13   | DECAL, SAWDUST PROTECTION (PICTOGRAM)                        | 099222  | 2   |
| 14   | DECAL, CAUTION - LASER BEAM (OPTIONAL)                       | 099504  | 2   |
| 15   | DECAL, USE SAFETY BOOTS (PICTOGRAM)                          | 501465  | 1   |
| 16   | DECAL, DO NOT ADJUST NUTS (PICTOGRAM)                        | 500031  | 4   |
|      | TABLE DECALS - <a href="#">See Section 5.9</a>               |         |     |
| 17   | <b>DECAL, CE CERTIFIED MACHINE (SMALL)</b>                   | P85070  | 1   |
| 18   | <b>DECAL, GOST CERTIFIED MACHINE</b>                         | 099401  | 1   |

### 4.4 Blade Housing Cover



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY |
|------|--|---------------------|-----|
| 1    | COVER WELDMENT, TVS BLADE HOUSING - LEFT                     | 098612-1            | 1   |
|      | COVER WELDMENT, TVS BLADE HOUSING - RIGHT                    | 096117-1<br>(RIGHT) | 1   |
| 2    | HINGE, COVER   | 096146              | 4   |
| 3    | SCREW, M5X12- 5.8-B SLOTTED COUNTERSUNK ZINC                 | F81000-15           | 8   |
| 4    | LATCH, FLEXIBLE DRAW   | 014829              | 6   |
| 5    | BOLT, M5X16-5.8-HEX HEAD FULL THREAD ZINC                    | F81000-51           | 12  |
| 6    | WASHER, 5.3 FLAT ZINC  | F81052-1            | 24  |
| 7    | NUT, M5-8- DIN 985 ZINC                                      | F81030-2            | 12  |
| 8    | FLAT BAR, LIMIT SWITCH MOUNTING ZINC                         | 098760-1            | 2   |
| 9    | SCREW, M6X16 HEX SOCKET HEAD CAP                             | F81001-21           | 4   |
| 10   | SWITCH, XCSPL562 LIMIT                                       | 534491              | 2   |
| 11   | BOLT, M5X35 8.8 HEX SOCKET HEAD CAP ZINC                     | F81000-73           | 4   |
| 12   | ARM WELDMENT, TVS CONTROL BOX MOUNTING - LEFT                | 098611-1            | 2   |
|      | ARM WELDMENT, TVS CONTROL BOX MOUNTING - RIGHT               | 096370-1            | 2   |
| 13   | CAP, 50X50 (3-5MM THICK) #199274 SHR TUBE END                | 095371              | 4   |
| 14   | PIN, DETENT  | 090197              | 2   |
| 15   | PLATE, TVS MOUNTING  | 099145-1            | 4   |
| 16   | BOLT, M16X120 -8.8- A2E ISO 24014                            | F81006-25           | 8   |
| 17   | NUT, M16-8 HEX NYLON ZINC LOCK                               | F81036-2            | 8   |
| 18   | WASHER, 17 FLAT ZINC   | F81058-1            | 16  |
| 19   | PIN, 5M6X50 DIN 6325 HRC60                                   | F81048-8            | 2   |

## 4.5 Cutting Width Manual Setting Assembly

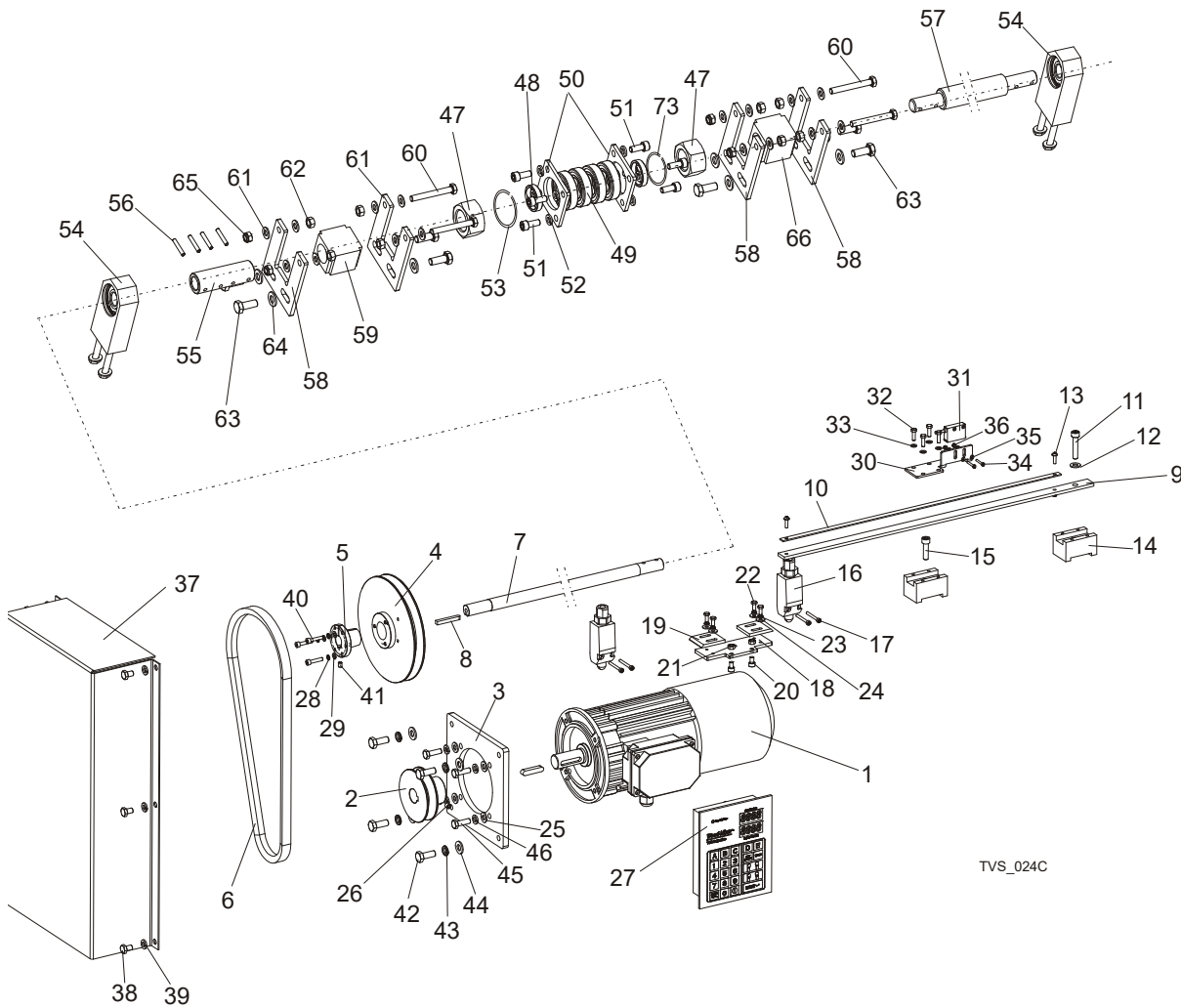


TVS\_013\_C

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>SCREW, TVS CUTTING WIDTH SETTING - COMPLETE</b>           | 097664    | 1   |
| 1    | ROD, SAW HEAD WIDTH ADJUSTMENT                               | 096359-1  | 1   |
| 2    | FASTENER, SAW HEAD WIDTH ADJUSTMENT SCREW                    | 097665-1  | 1   |
| 3    | PIN, 5X30 ROLL ZINC  | F81044-21 | 4   |
| 4    | SCREW, SAW HEAD WIDTH ADJUSTMENT TVS                         | 096154-1  | 1   |
| 5    | <b>BEARING, UCF 204 W/HOUSING</b>                            | 097667    | 1   |
| 6    | <b>BOLT, M10X40-8.8 HEX HEAD FULL THREAD ZINC</b>            | F81003-16 | 4   |
| 7    | <b>WASHER, 10.5 FLAT ZINC</b>                                | F81055-1  | 8   |
| 8    | <b>NUT, M10 NYLON HEX ZINC LOCK</b>                          | F81033-1  | 5   |
| 9    | <b>DISK WELDMENT, CUTTING WIDTH SETTING SCREW</b>            | 098617-1  | 1   |
| 10   | <b>KNOB, PLASTIC CRANK HANDLE</b>                            | 086338    | 1   |
| 11   | <b>BRACKET, TURNBUCKLE MOUNT ZINC-PLATED</b>                 | 096861-1  | 2   |
| 12   | <b>TURNBUCKLE, M30 TVS</b>                                   | 101439    | 1   |
| 13   | <b>BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC</b>             | F81002-9  | 2   |
| 14   | <b>WASHER, 8.4 FLAT ZINC</b>                                 | F81054-1  | 8   |
| 15   | <b>NUT, M8-8-B HEX ZINC</b>                                  | F81032-1  | 4   |
| 16   | <b>BOLT, M10x25-8.8 HEX HEAD FULL THREAD ZINC</b>            | F81003-11 | 4   |

|    |  |               |          |  |
|----|--|---------------|----------|--|
| 17 | WASHER, 10.5 FLAT ZINC                                   | F81055-1      | 4        |  |
| 18 | NUT, M8-8-B HEX NYLON LOCK ZINC                          | F81032-2      | 2        |  |
| 19 | TURNBUCKLE - M30 LH TVS                                  | 101440        | 1        |  |
| 20 | NUT, M30 HEX ZINC  | F81038-3      | 2        |  |
| 21 | BUSHING, FI 34 X 38 X 8 SPACER                           | 096356-1      | 2        |  |
| 22 | BEARING, 6006 2RSR                                       | 096191        | 4        |  |
| 23 | BRACKET, BEARING MOUNT BLOCK TVS-ZINC                    | 096157-1      | 2        |  |
| 24 | BOLT, M8X20-8.8 HEX SOCKET HEAD CAP ZINC                 | F81002-30     | 8        |  |
| 25 | WASHER, 8.2 SPLIT LOCK ZINC                              | F81054-4      | 8        |  |
| 26 | WASHER, Z30.5 SPLIT LOCK                                 | F81068-1      | 2        |  |
|    | <b>BLOCK, TVS CUTTING WIDTH SETTING SCREW - COMPLETE</b> | 500012        | 2        |  |
| 27 | BLOCK, TVS CUTTING WIDTH SETTING SCREW                   | 500011-1      | 1        |  |
| 28 | BEARING, 6204 2RS-CX ROLLING                             | 088447        | 1        |  |
| 29 | RING, W47 INSIDE RETAINING                               | 089653        | 2        |  |
| 30 | BOLT, M8 X 75 8.8 HEX HEAD ZINC                          | F81002-91     | 2        |  |
| 31 | WASHER, 8.4 FLAT ZINC                                    | F81054-1      | 2        |  |
|    | <b>BOLT ASSEMBLY, HANDLE BRAKING</b>                     | <b>516336</b> | <b>1</b> |  |
| 32 | BLOCK, HANDLE BRAKING BOLT ASSEMBLY                      | 517532        | 1        |  |
| 33 | BOLT, M8X130 8.8 HEX HEAD FULL THREAD ZINC               | F81002-72     | 1        |  |
| 34 | WASHER, 8.4 FLAT ZINC                                    | F81054-1      | 3        |  |
| 35 | NUT, M8-8-B HEX ZINC                                     | F81032-1      | 3        |  |

## 4.6 Cutting Width Automatic Setting Assembly



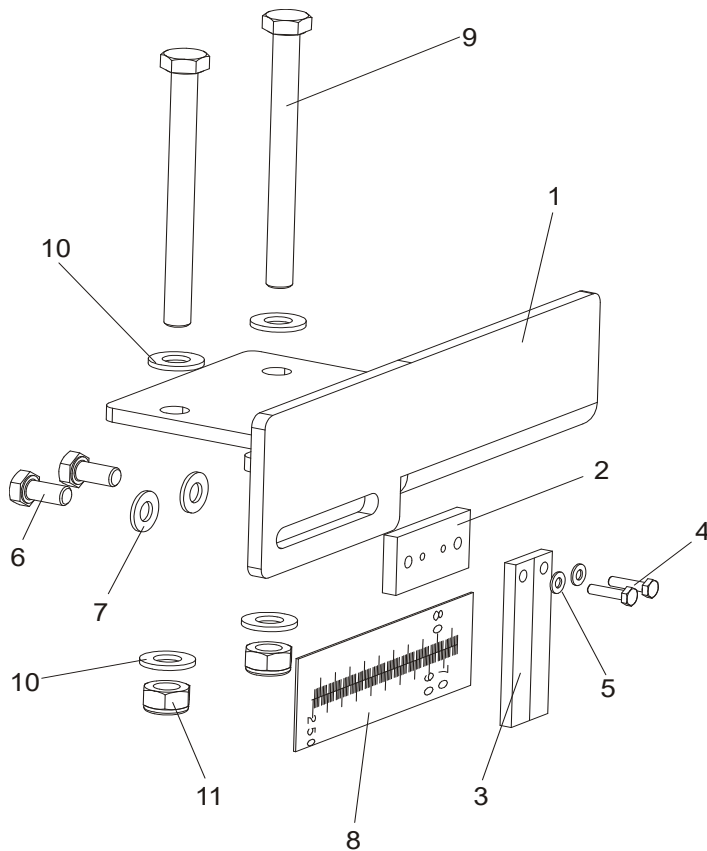
TVS\_024C

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>SCREW, CUTTING WIDTH SETTING - COMPLETE</b>               | 099185    | 1   |
|      | <b>SCREW, CUTTING WIDTH SETTING - COMPLETE, TVS USA (UL)</b> | 099185-4C | 1   |
| 1    | MOTOR, SKH90-8L1 HPS 0.55KW 750RPM 400V                      | 098891    | 1   |
| 1    | MOTOR, SKh90-8L1 0.55kw 750RPM 400V (TVS-USA)                | 099515-UL | 1   |
| 2    | SHEAVE, SAW HEAD WIDTH ADJUSTMENT, TVS                       | 098116-1  | 1   |
| 3    | BRACKET, MOTOR   | 099181-1  | 1   |
| 4    | SHEAVE, TYPE B $\phi$ 180X $\phi$ 30                         | 098117-1  | 1   |
| 5    | BUSHING, TAPER   | 099317    | 1   |
| 6    | BELT, TVS  | 099320    | 1   |
| 7    | ROD, CUTTING WIDTH SETTING                                   | 099180-1  | 1   |
| 8    | KEY, AB 6X6X45 PARALLEL                                      | 089229    | 1   |
|      | GUARD, TVS W/MAGNETIC STRIP                                  | 502924    | 1   |
| 9    | GUARD, TVS MAGNETIC STRIP                                    | 502694    | 1   |
| 10   | STRIP, MB320 (1m) MAGNETIC                                   | 096014-1  | 1   |
| 11   | SCREW, M8X40-8.8 HEX SOCKED HEAD CAP ZINC                    | F81002-29 | 1   |
| 12   | WASHER, 8.4 FLAT ZINC  | F81054-1  | 1   |
| 13   | WASHER, 4.3 FLAT ZINC  | F81051-2  | 1   |

|    |  |           |   |  |
|----|--|-----------|---|--|
| 14 | MOUNTING BLOCK WITH MAGNETIC STRIP                       | 502923    | 2 |  |
| 15 | SCREW, M8X30-8.8 HEX SOCKET HEAD CAP ZINC                | F81002-31 | 1 |  |
| 16 | LIMIT SWITCH   | 089816    | 2 |  |
| 17 | BOLT, M3X20-5.8-A-PAN HEAD                               | F81000-8  | 4 |  |
|    | LIMIT SWITCH ASSEMBLY                                    | 098992    | 1 |  |
| 18 | PLATE, LIMIT SWITCH MOUNT                                | 098988-1  | 1 |  |
| 19 | BAR, LIMIT SWITCH FLAT                                   | 098989    | 2 |  |
| 20 | SCREW, M6X10 -8.8- HEX SOCKET HEAD CAP ZINC              | F81001-12 | 2 |  |
| 21 | NUT, M6-8 HEX ZINC                                       | F81031-1  | 2 |  |
| 22 | BOLT, M5 X 12-5.8-HEX HEAD FULL THREAD ZINC              | F81000-5  | 4 |  |
| 23 | WASHER, 5.1 SPLIT LOCK ZINC                              | F81052-2  | 4 |  |
| 24 | WASHER, 5.5 SPECIAL FLAT ZINC                            | F81052-3  | 4 |  |
| 25 | WASHER, 8.4 FLAT ZINC                                    | F81054-1  | 4 |  |
| 26 | SCREW, M8x8 45H GEOMET SET                               | F81014-1  | 1 |  |
| 27 | CONTROLLER, TBS01  | 503467    | 1 |  |
| 28 | WASHER, 5.1 SPLIT LOCK ZINC                              | F81052-2  | 3 |  |
| 29 | WASHER, 5.3 FLAT ZINC                                    | F81052-1  | 3 |  |
| 30 | BRACKET, SENSOR  | 502922-1  | 1 |  |
| 31 | SENSOR ASSY, MSK-320                                     | 096014    | 1 |  |
| 32 | BOLT, M5X16-8.8 HEX HEAD FULL THREAD ZINC                | F81000-20 | 4 |  |
| 33 | WASHER, 5.3 FLAT ZINC                                    | F81052-1  | 4 |  |
| 34 | SCREW, M3X20-5.8-A-PAN HEAD                              | F81000-8  | 2 |  |
| 35 | WASHER, 3.2 FLAT ZINC                                    | F81050-2  | 4 |  |
| 36 | NUT, M3-6- HEX NYLON ZINC LOCK                           | F81028-2  | 2 |  |
| 37 | COVER, TVS CUTTING WIDTH SETTING                         | 098121-1  | 1 |  |
| 38 | BOLT, M8x12-8.8 HEX HEAD FULL THREAD ZINC                | F81002-6  | 6 |  |
| 39 | WASHER, 8.2 SPLIT LOCK ZINC                              | F81054-4  | 6 |  |
| 40 | SCREW, M5X25-8.8 HEX SOCKET HEAD CAP ZINC                | F81000-7  | 1 |  |
| 41 | SCREW, M6X8 PAN HEAD                                     | F81013-1  | 1 |  |
| 42 | BOLT, M10x25-8.8 HEX HEAD FULL THREAD ZINC               | F81003-11 | 4 |  |
| 43 | WASHER, 10.2 SPLIT LOCK ZINC                             | F81055-2  | 4 |  |
| 44 | WASHER, 10.5 FLAT ZINC                                   | F81055-1  | 4 |  |
| 45 | BOLT, M8x25-8.8-B HEX HEAD FULL THREAD ZINC              | F81002-5  | 4 |  |
| 46 | WASHER, 8.2 SPLIT LOCK ZINC                              | F81054-4  | 4 |  |
| 47 | <b>NUT, M30 HEX ZINC</b>                                 | F81038-3  | 2 |  |
| 48 | <b>BUSHING, FI 34 X 38 X 8 SPACER</b>                    | 096356-1  | 2 |  |
| 49 | <b>BEARING, 6006 2RSR</b>                                | 096191    | 4 |  |
| 50 | <b>BRACKET, BEARING MOUNT BLOCK TVS-ZINC</b>             | 096157-1  | 2 |  |
| 51 | <b>BOLT, M8X20-8.8 HEX SOCKET HEAD CAP ZINC</b>          | F81002-30 | 8 |  |
| 52 | <b>WASHER, 8.2 SPLIT LOCK ZINC</b>                       | F81054-4  | 8 |  |
| 53 | <b>WASHER, Z30.5 SPLIT LOCK ZINC</b>                     | F81068-1  | 2 |  |
| 54 | <b>BLOCK, TVS CUTTING WIDTH SETTING SCREW - COMPLETE</b> | 500012    | 2 |  |
| 55 | <b>FASTENER, CUTTING WIDTH SETTING SCREW</b>             | 097665-1  | 1 |  |
| 56 | <b>PIN, 5X30 ROLL ZINC</b>                               | F81044-21 | 4 |  |
| 57 | <b>SCREW, CUTTING WIDTH SETTING TVS</b>                  | 096154-1  | 1 |  |
| 58 | <b>BRACKET, TURNBUCKLE MOUNT ZINC-PLATED</b>             | 096861-1  | 2 |  |
| 59 | <b>TURNBUCKLE, M30 TVS</b>                               | 101439    | 1 |  |
| 60 | <b>BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC</b>         | F81002-9  | 2 |  |

|           |   |           |   |  |
|-----------|---|-----------|---|--|
| <b>61</b> | <b>WASHER, 8.4 FLAT ZINC</b>                      | F81054-1  | 8 |  |
| <b>62</b> | <b>NUT, M8-8-B HEX ZINC</b>                       | F81032-1  | 4 |  |
| <b>63</b> | <b>BOLT, M10x25-8.8 HEX HEAD FULL THREAD ZINC</b> | F81003-11 | 4 |  |
| <b>64</b> | <b>WASHER, 10.5 FLAT ZINC</b>                     | F81055-1  | 4 |  |
| <b>65</b> | <b>NUT, M8-8-B HEX NYLON LOCK ZINC</b>            | F81032-2  | 2 |  |
| <b>66</b> | <b>TURNBUCKLE - M30 LH TVS</b>                    | 101440    | 1 |  |

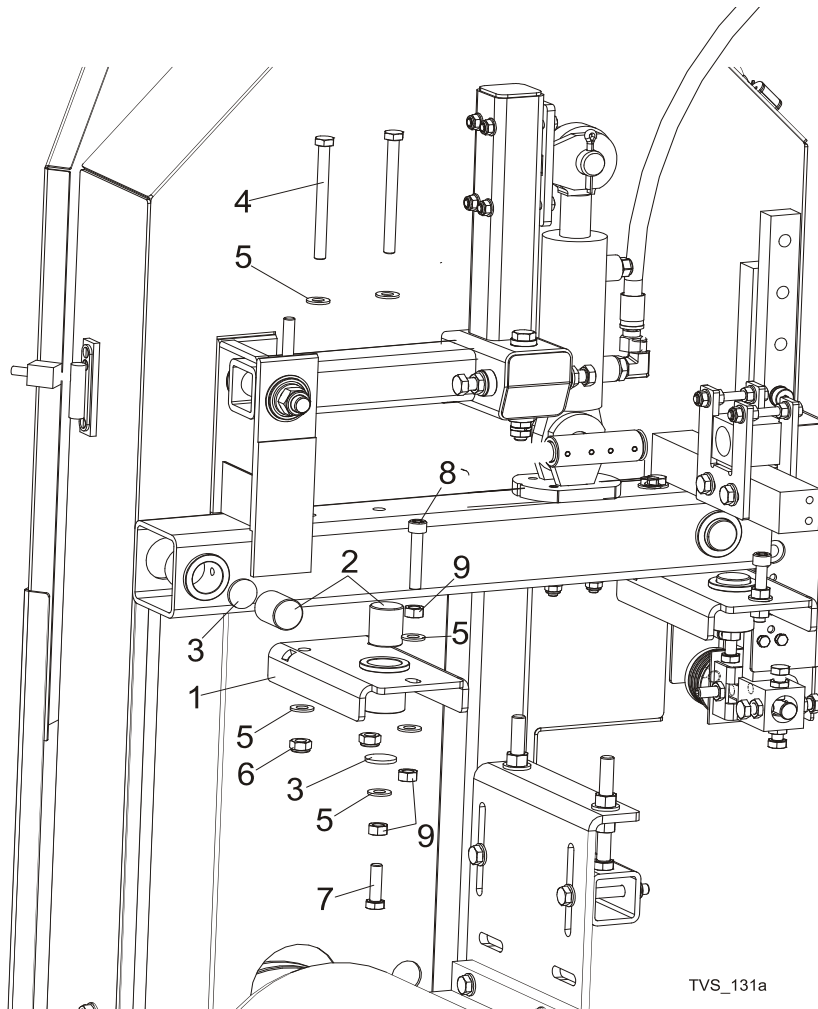
## 4.7 Saw Head Width Indicator



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>SCALE INDICATOR, TVS COMPLETE</b>                         | 098756    | 1   |
| 1    | BRACKET, SCALE INDICATOR TVS                                 | 098622-1  | 1   |
| 2    | BLOCK, BLADE WIDTH INDICATOR REDUCER                         | 507301-1  | 1   |
| 3    | INDICATOR, BLADE WIDTH SCALE                                 | 094821    | 1   |
| 4    | BOLT, M4X16 5.8 HEX HEAD FULL THREAD ZINC                    | F81011-6  | 2   |
| 5    | WASHER, 4.3 FLAT ZINC  | F81051-2  | 2   |
| 6    | BOLT, M8X16 -8.8-B-HEX HEAD FULL THREAD ZINC                 | F81002-20 | 2   |
| 7    | WASHER, 8.4 FLAT ZINC  | F81054-1  | 2   |
| 8    | SCALE, TVS METRIC  | 098619    | 1   |
|      | SCALE, TVS INCH  | 502669    | 1   |
| 9    | BOLT, M10X110 8.8 HEX HEAD ZINC                              | F81003-43 | 2   |
| 10   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 4   |
| 11   | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1  | 2   |

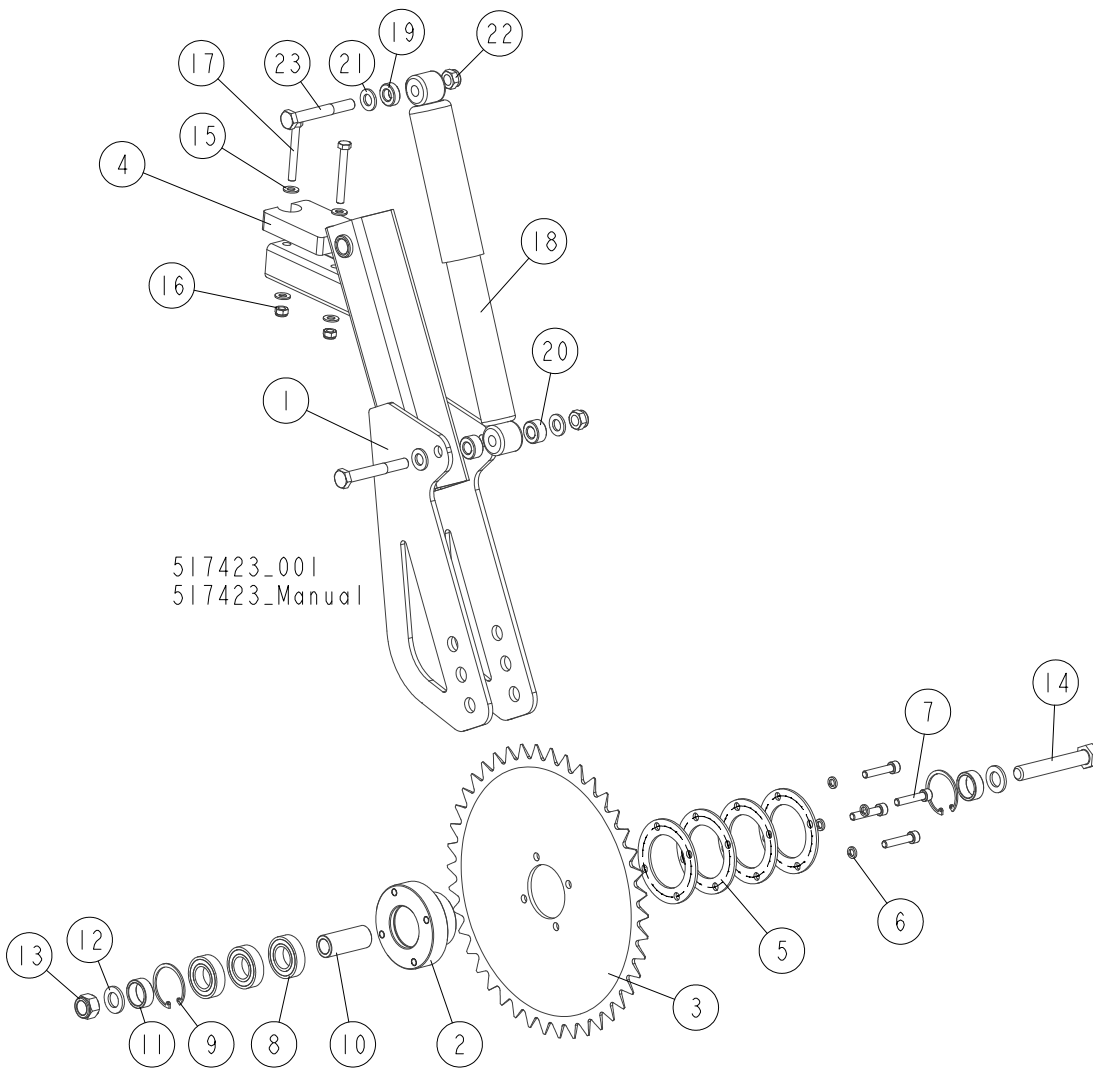


## 4.8 Saw Head Slide Brackets



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
| 1    | BRACKET, SLIDE LOWER TVS                                     | 096838-1  | 2   |
| 2    | ROD, SLIDE TVS   | 096128    | 4   |
| 3    | WASHER, BUSHING SLIDE ZINC TVS                               | 096129-1  | 4   |
| 4    | BOLT, M10X110 8.8 HEX HEAD ZINC                              | F81003-43 | 4   |
| 5    | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 9   |
| 6    | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1  | 4   |
| 7    | BOLT, M10X35-8.8 HEX HEAD FULL THREAD ZINC                   | F81003-17 | 2   |
| 8    | SCREW, M10X55-8.8 HEX SOCKET HEAD CAP                        | F81003-55 | 2   |
| 9    | NUT, M10-8-B HEX ZINC  | F81033-3  | 6   |

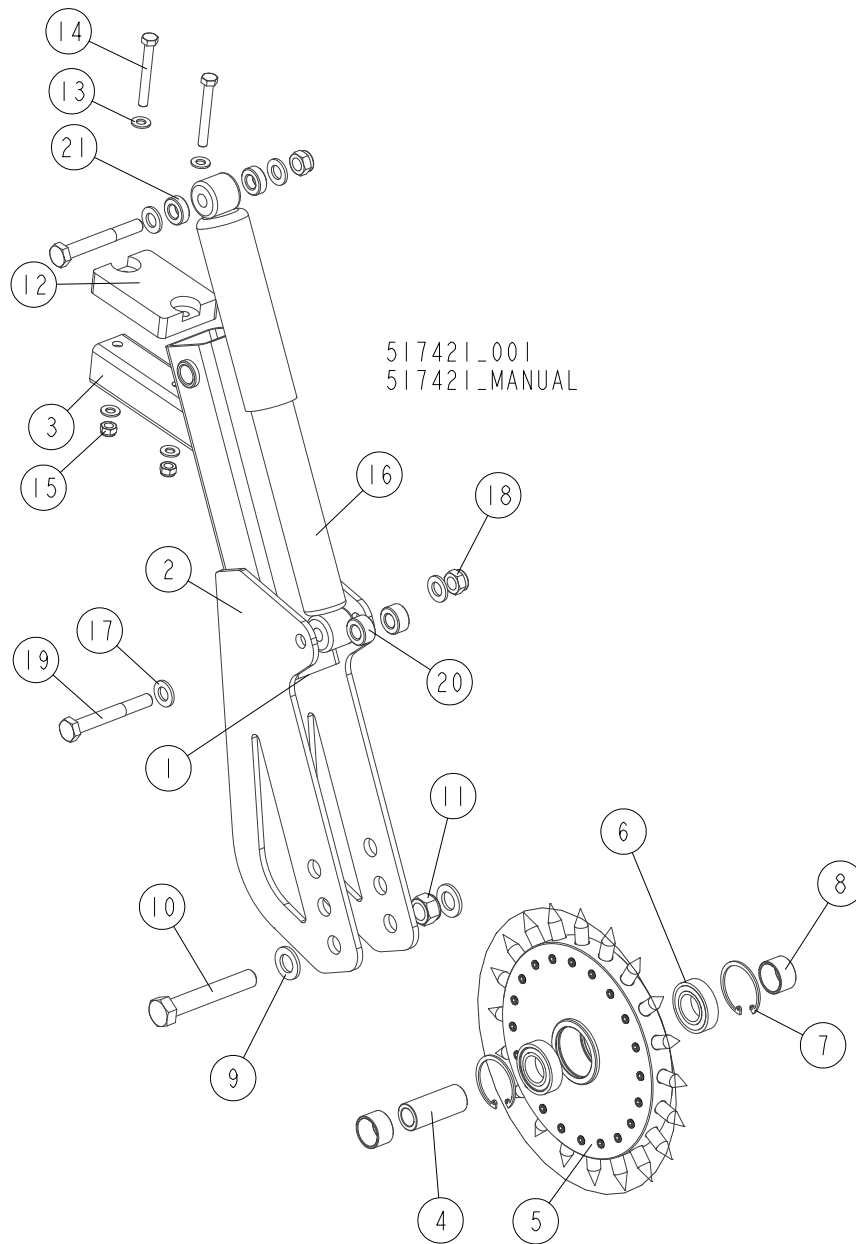
4.9 Hold-Down Wheel (V-Tables)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>WHEEL, TVS HOLD-DOWN</b>                                  | <b>517423</b> | <b>1</b> |
| 1    | ARM WELDMENT, REAR HOLD-DOWN WHEEL                           | 517420-1      | 1        |
| 2    | ARBOR, HOLD-DOWN WHEEL                                       | 096351-1      | 1        |
| 3    | WHEEL, LOG HOLD-DOWN ZINC-PLATED                             | 096352-1      | 1        |
| 4    | BUMPER, GRENE 70 3201 0010 SHR RUBBER                        | 094969        | 1        |
| 5    | SPACER   | 099530-1      | 4        |
| 6    | WASHER, 8.4 FLAT ZINC  | F81054        | 4        |
| 7    | SCREW, M8X40-8.8 HEX SOCKET HEAD CAP ZINC                    | F81002-29     | 4        |
| 8    | BEARING, 6005 2RS CX   | 089652        | 3        |
| 9    | RING, W47 INSIDE RETAINING                                   | 089653        | 2        |
| 10   | BUSHING, FI 25X16,5X60 ZINC-PLATED SPACER                    | 098610-1      | 1        |
| 11   | BUSHING, FI 25,5 X 32X12 ZINC-PLATED SPACER                  | 097942-1      | 2        |
| 12   | WASHER, 17 FLAT ZINC   | F81058-1      | 2        |
| 13   | NUT, M16-8 HEX NYLON ZINC LOCK                               | F81036-2      | 1        |

|    |   |          |   |  |
|----|---|----------|---|--|
| 14 | BOLT, M16X100-8.8 HEX HEAD FULL THREAD ZINC | F81006-2 | 1 |  |
| 15 | WASHER, 8.4 FLAT ZINC                       | F81054-1 | 4 |  |
| 16 | NUT, M8-8-B HEX NYLON ZINC LOCK             | F81032-2 | 2 |  |
| 17 | BOLT, M8 X 65-5.8 HEX HEAD ZINC             | F81002-3 | 2 |  |
| 18 | ABSORBER, WERTTEILE 554412 SHOCK            | 513494   | 1 |  |
| 19 | BUSHING, 12.5125-9                          | 518735-1 | 2 |  |
| 20 | BUSHING, 2.5125-13.2                        | 518306-1 | 2 |  |
| 21 | WASHER, 13 FLAT ZINC                        | F81056-1 | 4 |  |
| 22 | NUT, M12-8 HEX NYLON ZINC LOCK              | F81034-2 | 2 |  |
| 23 | BOLT, M12X90-8.8 HEX HEAD ZINC              | F81004-2 | 2 |  |

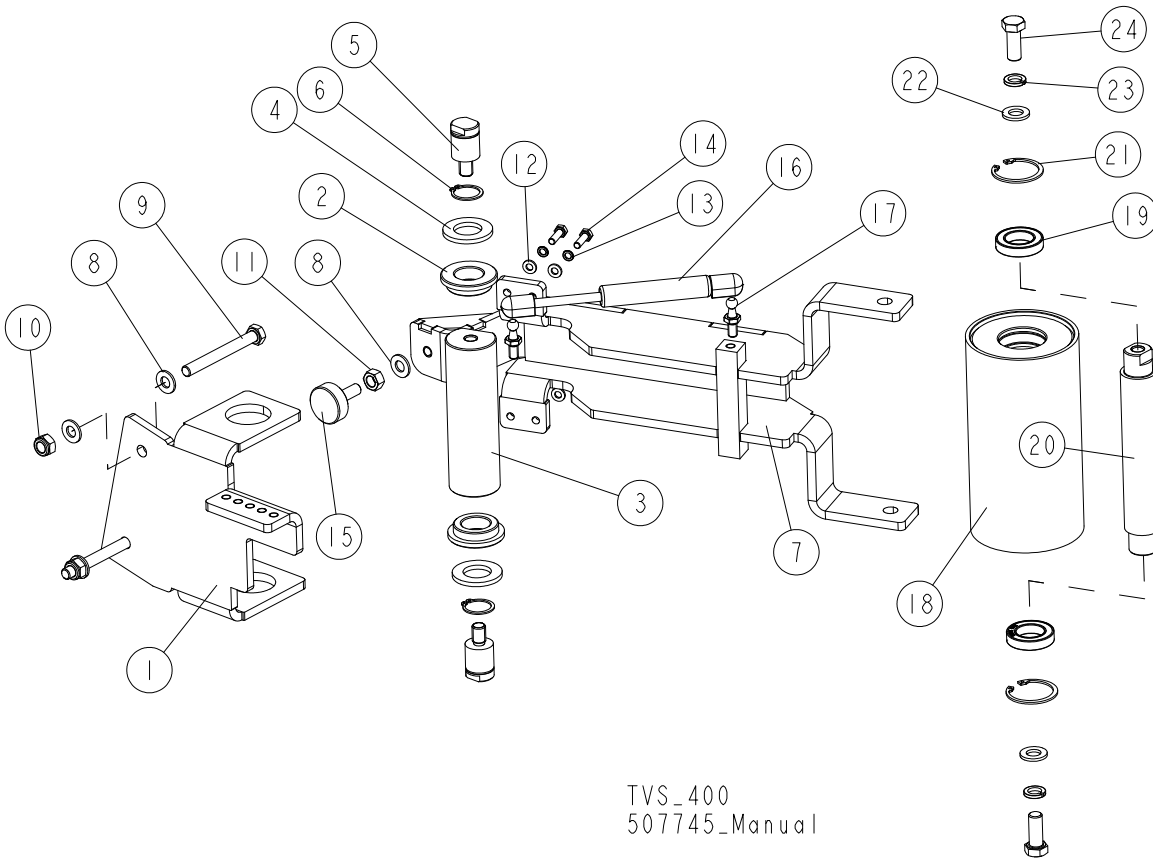
4.10 Saw Head Hold-Down Roller (Spiky Chain Table)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|------|--|----------|-----|
|      | <b>ROLLER, TVS-SC SAW HEAD HOLD-DOWN</b>                     | 517421   | 1   |
|      | ARM WELDMENT, REAR HOLD-DOWN WHEEL                           | 517420-1 | 1   |
| 1    | TUBE, HOLD-DOWN WHEEL ARM                                    | 097956   | 1   |
| 2    | BRACKET, HOLD-DOWN WHEEL ARM                                 | 518729   | 2   |
| 3    | TUBE, ARM STOP   | 097957   | 1   |
| 4    | BUSHING, 16.5/25-60 ZINC-PLATED                              | 098610-1 | 1   |
|      | WHEEL, TVS-SC HOLD-DOWN COMPLETE.                            | 502639   | 1   |
| 5    | WHEEL, HOLD-DOWN   | 502638-1 | 1   |
| 6    | BEARING, 6005 2RS CX   | 089652   | 2   |

|    |   |          |   |  |
|----|---|----------|---|--|
| 7  | RING, W47 INSIDE RETAINING                  | 089653   | 2 |  |
| 8  | BUSHING, 25.5/30-18 ZINC-PLATED             | 502645-1 | 2 |  |
| 9  | WASHER, 17 FLAT ZINC                        | F81058-1 | 2 |  |
| 10 | BOLT, M16X100-8.8 HEX HEAD FULL THREAD ZINC | F81006-2 | 1 |  |
| 11 | NUT, M16-8 HEX NYLON ZINC LOCK              | F81036-2 | 1 |  |
| 12 | BUMPER, GRENE 70 3201 0010. SHR RUBBER      | 094969   | 1 |  |
| 13 | WASHER, 8.4 FLAT ZINC                       | F81054-1 | 4 |  |
| 14 | BOLT, M8 X 65-5.8 HEX HEAD ZINC             | F81002-3 | 2 |  |
| 15 | NUT, M8-8-B HEX NYLON ZINC LOCK             | F81032-2 | 2 |  |
| 16 | ABSORBER, WERTTEILE 554412 SHOCK            | 513494   | 1 |  |
| 17 | WASHER, 13 FLAT ZINC                        | F81056-1 | 4 |  |
| 18 | NUT, M12-8 HEX NYLON ZINC LOCK              | F81034-2 | 2 |  |
| 19 | BOLT, M12X90-8.8 HEX HEAD ZINC              | F81004-2 | 2 |  |
| 20 | BUSHING, 12.5/25-13.2                       | 518306-1 | 2 |  |
| 21 | BUSHING, 12.5/25-9                          | 518735-1 | 2 |  |

4.11 Hold-Down Roller Assembly (Option)

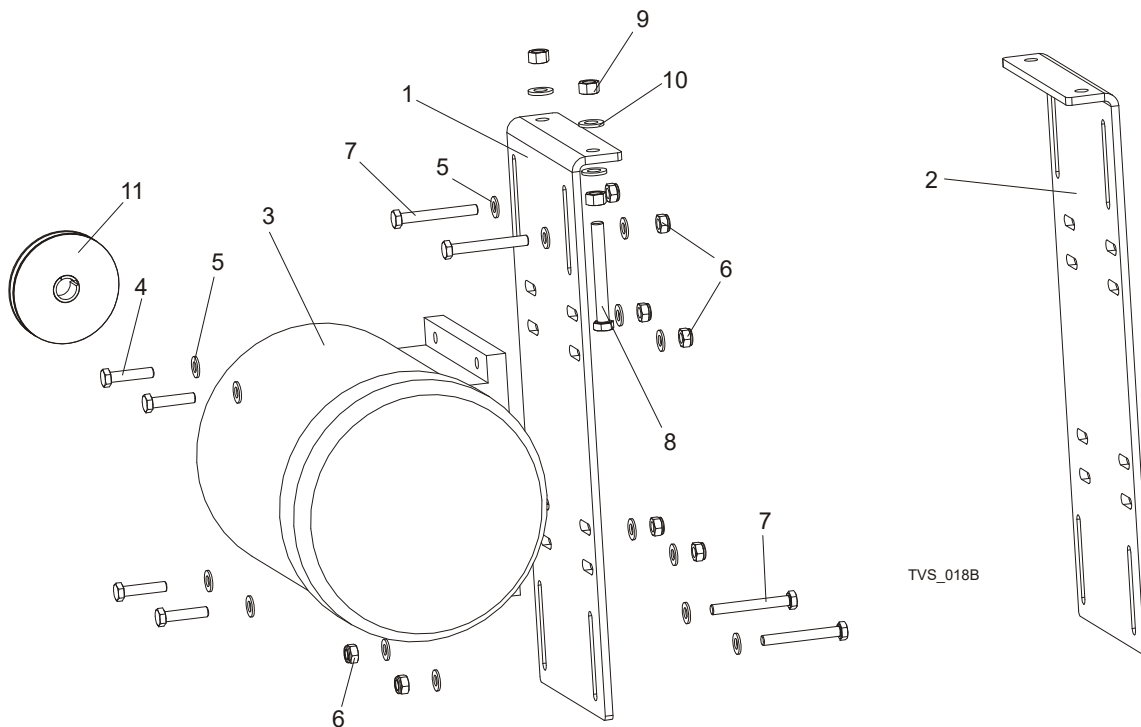


TVS\_400  
507745\_Manual

| REF. | DESCRIPTION (* Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>ROLLER ASSEMBLY, HOLD-DOWN</b>                            | <b>507745</b> | <b>1</b> |
|      | <b>ROLLER, HOLD-DOWN LEFT</b>                                | <b>507730</b> | <b>1</b> |
|      | <b>ROLLER, HOLD-DOWN RIGHT</b>                               | <b>507740</b> | <b>1</b> |
| 1    | BRACKET, MOUNT LEFT  | 512046-1      | 1        |
|      | BRACKET, MOUNT RIGHT   | 512045-1      | 1        |
| 2    | BUSHING, TVS SC MOUNTING                                     | 507738        | 2        |
| 3    | PIVOT, GUIDE ROLLER ARM ZINC-PLATED                          | 508182-1      | 1        |
| 4    | WASHER, 25 FLAT ZINC   | F81061-3      | 2        |
| 5    | BOLT, TVS SC ZINC-PLATED MOUNTING                            | 508183-1      | 2        |
| 6    | RING, 25Z OUTSIDE RETAINING                                  | F81090-22     | 2        |
| 7    | BRACKET, ROLLER HOLD-DOWN COMPLETE                           | 508230-1      | 1        |
| 8    | WASHER, 10.5 FLAT ZINC                                       | F81055-1      | 5        |
| 9    | BOLT, M10X90-8.8-B HEX HEAD ZINC                             | F81003-66     | 2        |
| 10   | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1      | 2        |
| 11   | NUT, M10-8-B-FE  | F81033-3      | 1        |
| 12   | WASHER, 6.4 FLAT ZINC  | F81053-1      | 4        |
| 13   | WASHER, Z 6.1 SPLIT LOCK ZINC                                | F81053-3      | 4        |
| 14   | BOLT, M6x20-8.8 HEX HEAD FULL THREAD ZINC                    | F81001-2      | 4        |
| 15   | FOOT, BASE ADJUST  | 092839        | 1        |
|      | <b>GAS, CYLINDER F1=200N COMPLETE</b>                        | <b>508920</b> | <b>1</b> |
| 16   | GAS, CYLINDER F1=200N  | 508919        | 1        |

| REF. | DESCRIPTION (* Indicates Parts Available In Assemblies Only) | PART #        | QTY      |  |
|------|--|---------------|----------|--|
| 17   | BOLT, M8x17 SPECIAL ZINC                                     | 500463        | 2        |  |
|      | <b>ROLLER, TVS SC COMPLETE</b>                               | <b>510655</b> | <b>1</b> |  |
| 18   | GUIDE ROLLER WELDMENT  | 510653-1      | 1        |  |
| 19   | BEARING, 61905 2RS CX  | 099037        | 2        |  |
| 20   | PIVOT, TVS SC GUIDE ROLLER                                   | 510656-1      | 1        |  |
| 21   | RING, W042 INSIDE RETAINING                                  | F81090-19     | 2        |  |
| 22   | WASHER, 13 FLAT ZINC   | F81056-1      | 2        |  |
| 23   | WASHER, Z12.2 SPLIT LOCK ZINC                                | F81056-2      | 2        |  |
| 24   | BOLT, M12X30-8.8 HEX HEAD FULL THREAD ZINC                   | F81004-22     | 2        |  |

## 4.12 Blade Drive Motor



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY |
|------|--|---------------------|-----|
| 1    | PLATE, MOTOR MOUNT RIGHT                                     | 096123-1            | 1   |
|      | PLATE, MOTOR MOUNT RIGHT (TVS-USA)                           | 099398-1            | 1   |
| 2    | PLATE, MOTOR MOUNT LEFT                                      | 098436-1            | 1   |
|      | PLATE, MOTOR MOUNT LEFT (TVS-USA)                            | 099397-1            | 1   |
| 3    | MOTOR, 7,5KW SG132S-2B HM                                    | 090993              | 2   |
|      | MOTOR, 11KW PSg-132 S2 - HM                                  | 089049              | 2   |
|      | MOTOR, 12kW 1LE1002-1CA63-4AA4-Z (USA)                       | P85186-UL           | 2   |
|      | MOTOR, 15KW(20HP)380-420V ELECTRIC (TVS-USA)                 | 086856-UL           | 2   |
| 4    | BOLT, M10x45-8.8 HEX HEAD FULL THREAD ZINC                   | F81003-3            | 8   |
| 5    | WASHER, 10.5 FLAT ZINC                                       | F81055-1            | 32  |
| 6    | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1            | 16  |
| 7    | BOLT, M10X80-8.8 HEX ZINC                                    | F81003-50           | 8   |
| 8    | BOLT, M12X100 8.8 HEX HEAD FULL THREAD ZINC                  | F81004-45           | 4   |
| 9    | NUT, M12-8-B HEX ZINC  | F81034-1            | 4   |
| 10   | WASHER, 13 FLAT ZINC   | F81056-1            | 8   |
| 11   | PULLEY, SPB $\Phi$ 140X1/ $\Phi$ 38 (F02325+T31079)          | 500571 <sup>1</sup> | 2   |
|      | PULLEY, SPB $\Phi$ 170X1/ $\Phi$ 38 (F01794+T31079)          | 500575 <sup>2</sup> | 2   |
|      | PULLEY, SPB190/1 W/2012/38 TAPER SPLIT BUSHING               | 099601 <sup>3</sup> | 2   |
|      | PULLEY, SPB125X1/FI38 F02319+T31079 TAPER SPLIT BUSHING      | 501556 <sup>4</sup> | 2   |
|      | PULLEY, $\Phi$ 150/ FI42 F02329+T31081 (TVS-USA)             | 099503              | 1   |

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

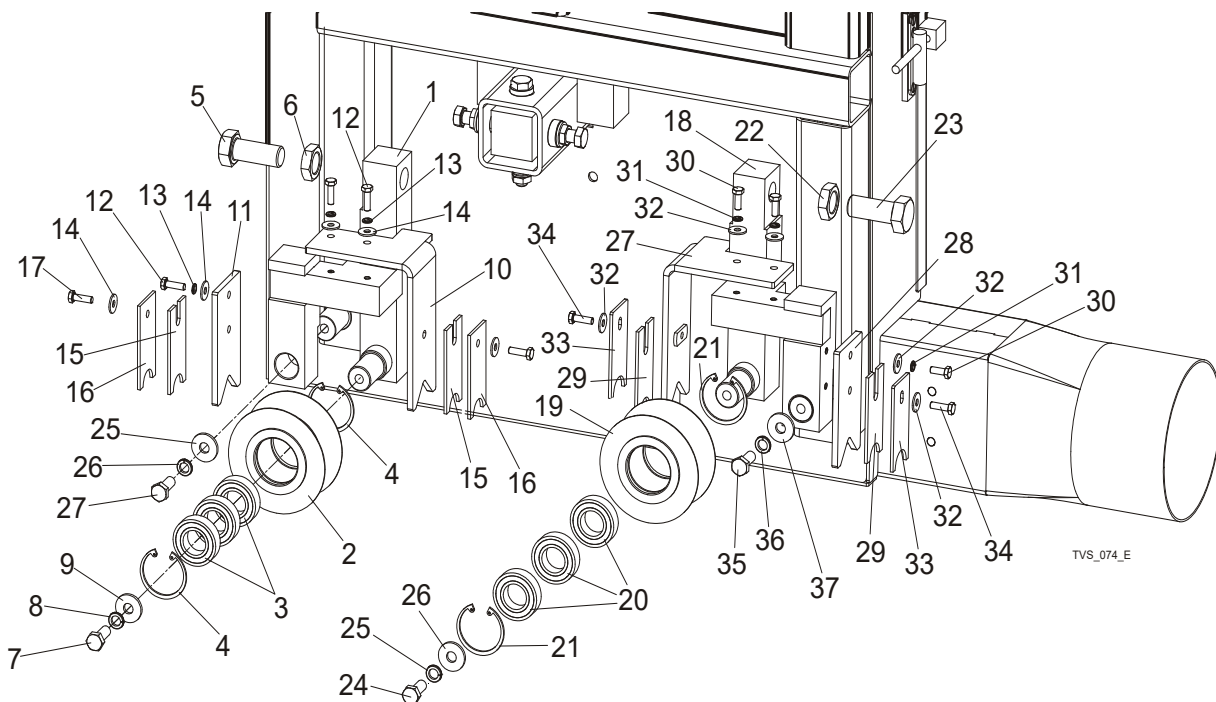
<sup>2</sup> Blade Linear Velocity  $v=25$  m/s.

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

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



### 4.13 Saw Head Support Rollers



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>ROLLER, TVS SAW HEAD ADJUST SUPPORT, COMPLETE</b>         | <b>100179</b> | <b>2</b> |
| 1    | SUPPORT, TVS SAW HEAD ROLLER                                 | 100177-1      | 1        |
|      | <b>ROLLER, TVS SAW HEAD SUPPORT - COMPLETE</b>               | <b>096835</b> | <b>1</b> |
| 2    | ROLLER, TVS SAW HEAD SUPPORT                                 | 096834-1      | 1        |
| 3    | BEARING, 6005 2RS CX   | 089652        | 3        |
| 4    | RING, W47 SPRING RETAINING                                   | 089653        | 2        |
| 5    | BOLT, M10X1.5X50-8.8-B ZINC-PLATED                           | F81007-2      | 1        |
| 6    | NUT, M20X1.5 ZINC-PLATED THIN                                | F81037-7      | 1        |
| 7    | BOLT, M10X25-8.8-HEX HEAD FULL THREAD ZINC                   | F81003-11     | 1        |
| 8    | WASHER, 10.2 SPLIT LOCK ZINC                                 | F81055-2      | 1        |
| 9    | WASHER,10.5 ZINC FLAT SPECIAL                                | F81055-6      | 1        |
| 10   | SUPPORT, WIPER RIGHT   | 101092-1      | 1        |
| 11   | SUPPORT, WIPER LEFT  | 101093-1      | 1        |
| 12   | BOLT, M6 X 16 8.8 HEX HEAD FULL THREAD ZINC                  | F81001-15     | 3        |
| 13   | WASHER, Z6.1 SPLIT LOCK ZINC                                 | F81053-3      | 3        |
| 14   | WASHER, 6.5 FLAT ZINC  | F81053-11     | 5        |
| 15   | WIPER, TOP RAIL  | 101090        | 2        |
| 16   | PLATE, TRACK WIPER PTD                                       | 088559-1      | 2        |
| 17   | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC                    | F81001-2      | 2        |
|      | <b>ROLLER, TVS SAW HEAD ADJUST SUPPORT LEFT, COMPLETE</b>    | <b>509887</b> | <b>2</b> |
| 18   | BRACKET, ROLLER WLDMT/PTD                                    | 509888-1      | 1        |
|      | <b>ROLLER, TVS SAW HEAD SUPPORT, COMPLETE</b>                | <b>096835</b> | <b>1</b> |
| 19   | ROLLER, TVS SAW HEAD SUPPORT PTD                             | 096834-1      | 1        |
| 20   | BEARING, 6005 2RS CX   | 089652        | 3        |
| 21   | Ring, W47 Spring Retaining                                   | 089653        | 2        |

## 4

**Saw Head***Saw Head Support Rollers*

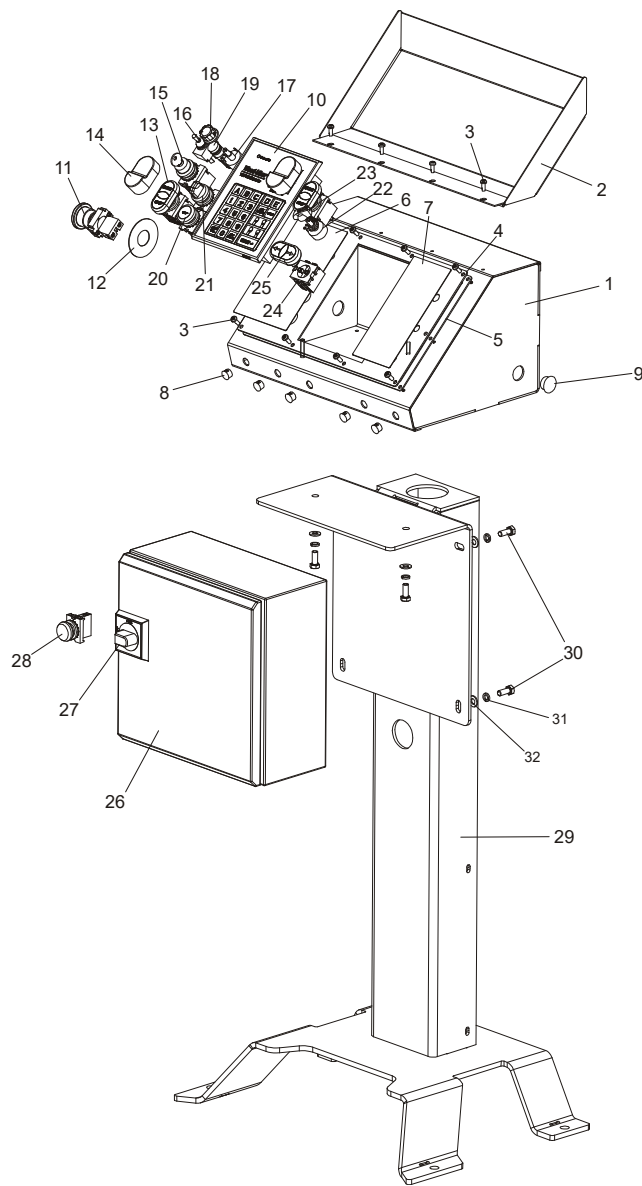
|    |   |           |   |  |
|----|---|-----------|---|--|
| 22 | NUT, M20X1.5 ZINC-PLATED THIN                       | F81037-7  | 1 |  |
| 23 | BOLT, M10X1.5X50-8.8-B ZINC-PLATED                  | F81007-2  | 1 |  |
| 24 | BOLT, M10X25-8.8-HEX HEAD FULL THREAD ZINC          | F81003-11 | 1 |  |
| 25 | WASHER, 10.2 SPLIT LOCK ZINC                        | F81055-2  | 1 |  |
| 26 | WASHER,10.5 ZINC FLAT SPECIAL                       | F81055-6  | 1 |  |
| 27 | SUPPORT, WIPER LEFT                                 | 509889-1  | 1 |  |
| 28 | SUPPORT, WIPER LEFT                                 | 101093-1  | 1 |  |
| 29 | WIPER, TOP RAIL                                     | 101090    | 2 |  |
| 30 | BOLT, M6 X 16 8.8 HEX HEAD FULL THREAD ZINC         | F81001-15 | 3 |  |
| 31 | WASHER, Z6.1 SPLIT LOCK ZINC                        | F81053-3  | 3 |  |
| 32 | WASHER, 6.5 FLAT ZINC                               | F81053-11 | 5 |  |
| 33 | PLATE, TRACK WIPER                                  | 088559-1  | 2 |  |
| 34 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC           | F81001-2  | 2 |  |
| 35 | <b>BOLT, M10 X 25 8.8 HEX HEAD FULL THREAD ZINC</b> | F81003-31 | 2 |  |
| 36 | <b>WASHER, 10.2 SPLIT LOCK ZINC</b>                 | F81055-2  | 2 |  |
| 37 | <b>WASHER,10.5 ZINC FLAT SPECIAL</b>                | F81055-6  | 2 |  |

## 4.14 Electric Box



| REF.     | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|----------|--|----------|-----|
|          | <b>ELECTRIC BOX TVS 400V CE</b>                              | 509150   | 1   |
|          | <b>ELECTRIC BOX TVS 230V CE</b>                              | 509150-2 | 1   |
|          | <b>ELECTRIC BOX TVS 400V</b>                                 | 509150-3 | 1   |
|          | <b>ELECTRIC BOX TVS 460V</b>                                 | 509150-4 | 1   |
|          | <b>ELECTRIC BOX TVS 230V</b>                                 | 509150-5 | 1   |
|          | <b>ELECTRIC BOX TVS E11 400/460V</b>                         | 510779   | 1   |
| <b>1</b> | SWITCH, ABB OT45E3   | 095473   | 1   |
|          | HANDWHEEL, OHB2AJ ABB  | 088265-1 | 1   |
|          | AXIS, OXS5X160 ABB   | 088265-2 | 1   |
| <b>2</b> | LIGHT, WHITE CONTROL   | 090488   | 1   |

**4.15 Control Box**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #              | QTY |
|------|--|---------------------|-----|
|      | <b>CONTROL BOX, TVS COMPLETE</b>                             | 509141              | 1   |
| 1    | CONTROL BOX, TVS   | 510061-1            | 1   |
| 2    | COVER, CONTROL BOX - COMPLETE                                | 097135-1            | 1   |
| 3    | BOLT, #10-24 X 1/2 PH PAN HD, TYPE 23                        | F05015-17           | 12  |
| 4    | PANEL, TVS FRONT CONTROL                                     | 503535-1            | 1   |
| 5    | GASKET, LT20 CONTROL BOX                                     | 097132              | 1   |
| 6    | DECAL, TVS CONTROL BOX LEFT                                  | 503538A             | 1   |
| 7    | DECAL, TVS CONTROL BOX RIGHT                                 | 503538B             | 1   |
| 8    | CAP, DP 812 HEJMAN 12.7 DIA. HOLE                            | 086773              | 5   |
| 9    | CAP, 22.2 HOLE SR1086  | 093544              | 1   |
| 10   | CONTROLLER, TBS01  | 503467 <sup>1</sup> | 1   |

|           |   |          |   |  |
|-----------|---|----------|---|--|
|           | CAP, TVS CONTROL BOX                        | 504378   | 1 |  |
|           | DECAL, TVS CONTROL BOX                      | 504379   | 1 |  |
|           | DIAPHRAGM, TVS CONTROLLER                   | 083731   | 1 |  |
| <b>11</b> | SWITCH, XB2 BS542 EMERGENCY STOP            | 086556   | 1 |  |
| <b>12</b> | LEGEND PLATE                                | 086561   | 1 |  |
|           | SWITCH, 24V START/STOP                      | 090452   | 2 |  |
| <b>13</b> | LIGHT, M22 WHITE-LED 24V CONTROL            | 090448   | 1 |  |
| <b>14</b> | MEMBRANE, M22-T-DD                          | 090462   | 1 |  |
| <b>15</b> | SWITCH, M22 3-POSITION KEY                  | 091361   | 1 |  |
| <b>16</b> | SWITCH, DPDT ON/OFF/ON 15A TOGGLE           | 024588   | 1 |  |
| <b>17</b> | POT, 500K 2W 10% CP PANEL MOUNT             | 024553   | 1 |  |
| <b>18</b> | KNOB, 1/4 ID FLUTED ROUND PLASTIC           | 033478   | 1 |  |
| <b>19</b> | CONTROL BULB XB6 AV 3BB                     | 087348   | 1 |  |
| <b>20</b> | SWITCH, M22 STOP                            | 090926   | 1 |  |
| <b>21</b> | SWITCH, M22 3-POSITION ILLUMINATED          | 091359   | 1 |  |
| <b>22</b> | POTENTIOMETER, 1K LTAGA                     | E20519   | 1 |  |
| <b>23</b> | KNOB, SPEED CONTROL                         | P06257   | 1 |  |
| <b>24</b> | ELEMENT, M22-K10 CONTACT                    | 091362   | 1 |  |
| <b>25</b> | BUTTON, M22-DD-S-X7/X7                      | 090917   | 1 |  |
|           | BOX, POWER SUPPLY TVS                       | 507258   | 1 |  |
| <b>26</b> | BOX, SAREL S83002 /300x300x150/             | 092627   | 1 |  |
| <b>27</b> | HANDLE, OHB S2A1 ABB SWITCH                 | 502312-1 | 1 |  |
| <b>28</b> | LIGHT, 1SFA619402L5415 WHITE CONTROL        | 509129   | 1 |  |
| <b>29</b> | BOX WELDMENT, CONTROL                       | 505555-1 | 1 |  |
| <b>30</b> | BOLT, M8x20-8.8-B HEX HEAD FULL THREAD ZINC | F81002-4 | 4 |  |
| <b>31</b> | WASHER 8.2 SPLIT LOCK ZINC                  | F81054-4 | 4 |  |
| <b>32</b> | WASHER, 8.4 FLAT ZINC                       | F81054-1 | 4 |  |

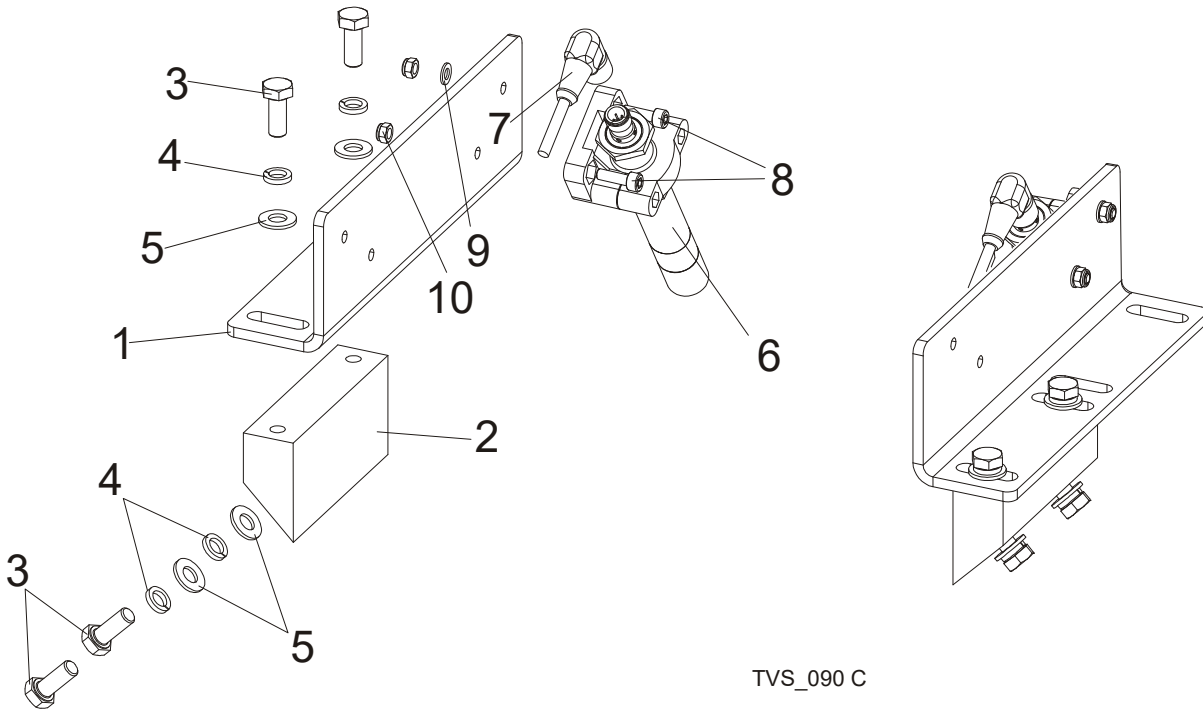
<sup>1</sup> In machines with Automatic Cutting Width Setting Option only.

# 4

## Saw Head

### Laser Assembly (Optional)

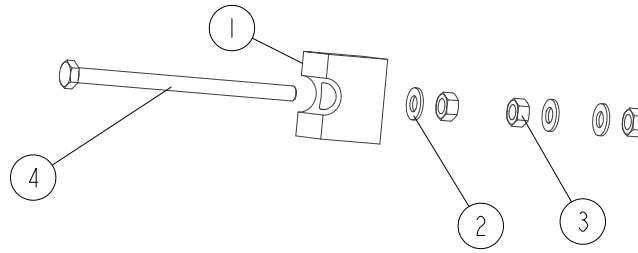
#### 4.16 Laser Assembly (Optional)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>TVS LASER ASSEMBLY</b>                                    | <b>100079</b> | <b>1</b> |
| 1    | PLATE, TVS LASER MOUNTING                                    | 098304        | 2        |
| 2    | BRACKET, TVS LASER   | 098303        | 2        |
| 3    | BOLT, M8x20-5.8 HEX HEAD FULL THREAD ZINC                    | F81002-1      | 8        |
| 4    | WASHER, 8.2 SPLIT LOCK ZINC                                  | F81054-4      | 8        |
| 5    | WASHER, 8.4 FLAT ZINC  | F81054-1      | 8        |
| 6    | LASER, Z5M18B-F-532-IG90 GREEN - LINEAR                      | 501025        | 2        |
| 7    | CABLE, 5M 4-WIRE SENSOR                                      | 087652        | 2        |
| 8    | SCREW, M5X16-8.8 HEX SOCKET HEAD CAP ZINC                    | F81000-25     | 4        |
| 9    | WASHER, 5.3 FLAT ZINC  | F81052-1      | 4        |
| 10   | NUT, M5-8- DIN985 ZINC                                       | F81030-2      | 4        |

### 4.17 Friction Assembly (Manual Cutting Width Setting)

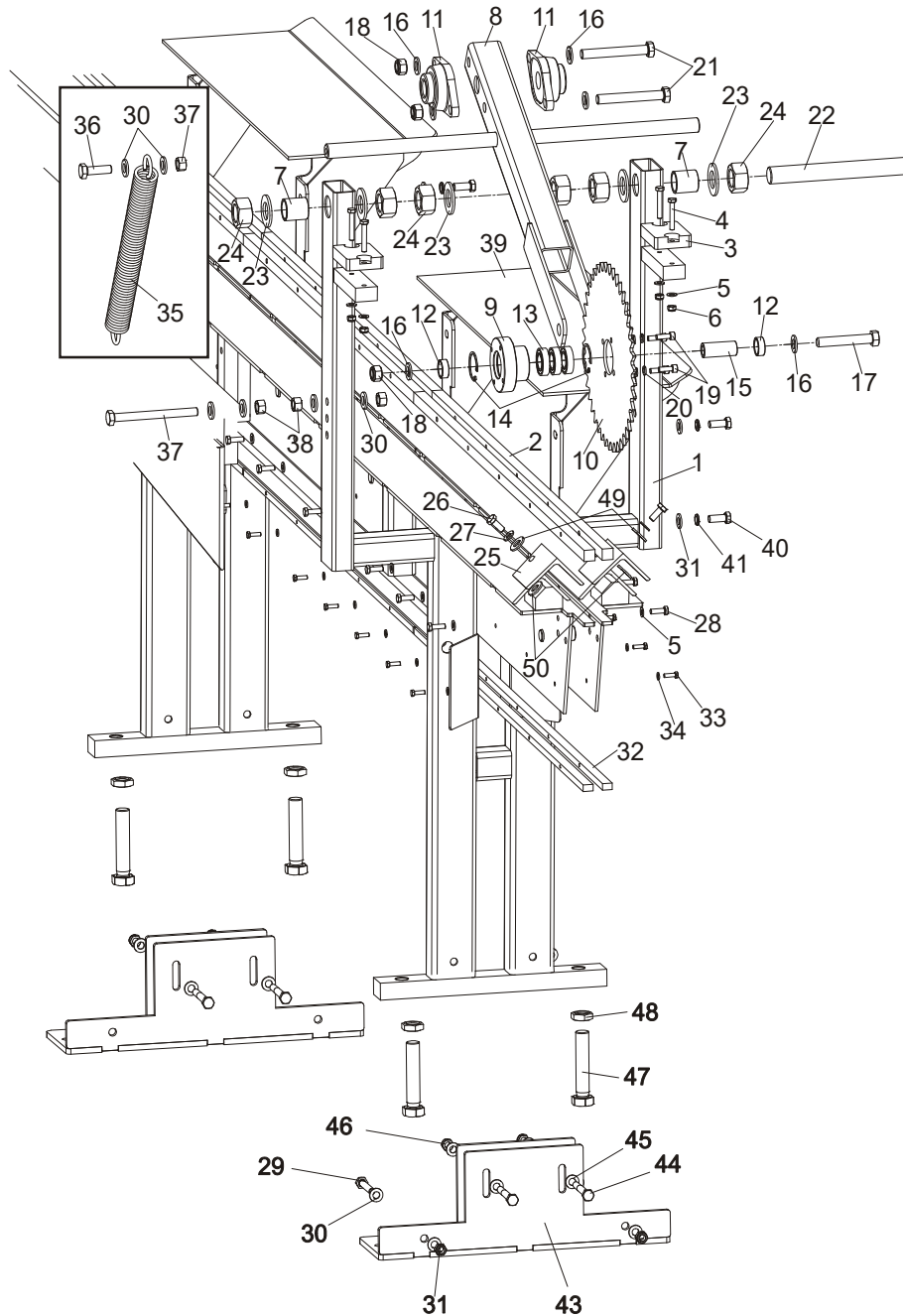
TVS\_408  
516366\_Oper\_Manual



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>FRICTION ASSEMBLY</b>                                     | <b>516336</b> | <b>1</b> |
| 1    | BLOCK, FRICTION ASSEMBLY                                     | 517532        | 1        |
| 2    | WASHER, 8.4 FLAT ZINC  | F81054-1      | 3        |
| 3    | NUT, M8-8-B HEX ZINC   | F81032-1      | 3        |
| 4    | BOLT, M8X130 8.8 HEX HEAD FULL THREAD ZINC                   | F81002-72     | 1        |

## SECTION 5 INFEED & OUTFEED TABLES

### 5.1 TVS Infeed



| REF.     | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |   |
|----------|--|----------|-----|---|
|          | <b>INFEED, TVSIV2.4I</b>                                     | 098946   | 1   |   |
|          | <b>INFEED, TVSIV2.4M</b>                                     | 098947   | 1   |   |
|          | TVS INFEED, SHORT COMPLETE                                   | 097641   | 1   |   |
| <b>1</b> | TVS INFEED, SHORT  | 097643-1 | 1   | ◆ |



|    |   |           |    |  |
|----|---|-----------|----|--|
| 2  | BAR, CHAIN OUTER SLIDE                      | 098652-1  | 2  |  |
|    | BAR, CHAIN SLIDE ZINC                       | 096199-1  | 4  |  |
| 3  | BUMPER, GRENE 70 3201 0010. SHR RUBBER      | 094969    | 2  |  |
| 4  | BOLT, M8X50-8.8-HEX HEAD FULL THREAD ZINC   | F81002-19 | 4  |  |
| 5  | WASHER, M8 FLAT ZINC                        | F81054-1  | 42 |  |
| 6  | NUT, M8 HEX NYLON LOCK ZINC                 | F81032-2  | 4  |  |
| 7  | BUSHING, SPACER ZINC                        | 096355-1  | 2  |  |
|    | ARM, COMPLETE ROLLER HOLD-DOWN              | 096350    | 1  |  |
| 8  | ARM, ROLLER HOLD-DOWN WLDMT/PTD             | 096348-1  | 1  |  |
| 9  | SHAFT, LOG HOLD-DOWN WHEEL ZINC-PLATED      | 096351-1  | 1  |  |
| 10 | WHEEL, LOG HOLD-DOWN ZINC-PLATED            | 096352-1  | 1  |  |
| 11 | BEARING, UCFL 206 CX                        | 090851    | 2  |  |
| 12 | BUSHING, FI 25,5 X 32X12- SPACER ZINC       | 097942-1  | 2  |  |
| 13 | BEARING, 6005 2RS CX                        | 089652    | 3  |  |
| 14 | RING, W47 SPRING RETAINING                  | 089653    | 2  |  |
| 15 | BUSHING, FI 25X16,5X60 -SPACER ZINC         | 098610-1  | 1  |  |
| 16 | WASHER, M16 FLAT ZINC                       | F81058-1  | 6  |  |
| 17 | BOLT, M16X100MM HEX HEAD FULL THRD ZINC     | F81006-2  | 1  |  |
| 18 | NUT, M16 HEX NYLON ZINC LOCK                | F81036-2  | 3  |  |
| 19 | BOLT, M8x25 -8.8- HEX SOCKET HEAD CAP       | F81002-21 | 4  |  |
| 20 | WASHER, 8,2 SPLIT LOCK ZINC                 | F81054-4  | 4  |  |
| 21 | BOLT, M16x120 -8.8- A2E ISO 24014           | F81006-25 | 2  |  |
| 22 | ROD, M30 (690) HOLD-DOWN ARM THREADED ZINC  | 096344-1  | 1  |  |
| 23 | WASHER, 31 FLAT ZINC                        | F81061-9  | 6  |  |
| 24 | NUT, M30 HEX ZINC                           | F81038-3  | 6  |  |
| 25 | ANGLE, TVS INFEED SHORT PTD                 | 098325-1  | 2  |  |
| 26 | Bolt, M10-1.5x25mm HH Gr8.8                 | F81003-11 | 2  |  |
| 27 | WASHER, M10 FLAT ZINC                       | F81055-1  | 2  |  |
| 28 | BOLT, M8 x 25mm HEX HEAD GR 5.8 ZINC        | F81002-5  | 38 |  |
| 29 | BOLT, M12x75-8.8- HEX HEAD FULL THREAD ZINC | F81004-10 | 2  |  |
| 30 | WASHER, M12 FLAT ZINC                       | F81056-1  | 32 |  |
| 31 | NUT, M12 HEX NYLON ZINC LOCK                | F81034-2  | 2  |  |
| 32 | BAR, CHAIN SUPPORT                          | 098942-1  | 6  |  |
| 33 | BOLT, M6X20MM, HH FULL THREAD ZINC          | F81001-2  | 30 |  |
| 34 | WASHER, M6 FLAT ZINC                        | F81053-1  | 30 |  |
| 35 | SPRING, FI 4,5X FI 35X303                   | 091863    | 2  |  |
| 36 | BOLT, M12x40 8.8 HEX HEAD FULL THR.ZINC     | F81004-4  | 2  |  |
| 37 | BOLT, M12x130 8.8 HEX HEAD FULL THR.ZINC    | F81004-55 | 2  |  |
| 38 | NUT, M12, HEXAGON, GRADE 5.8, ZINC          | F81034-1  | 8  |  |
| 43 | LEG, TVS                                    | 099534-1  | 2  |  |
| 44 | BOLT, M12X90-8.8 HEX HEAD ZINC              | F81004-2  | 2  |  |
| 45 | WASHER, M12 , FLAT, ZINC                    | F81056-1  | 4  |  |
| 46 | NUT, M12-8 , HEX, NYLON, ZINC, LOCK         | F81034-2  | 2  |  |
| 47 | BOLT M24X120 8.8 FE/ZN5                     | F81009-6  | 2  |  |
| 48 | NUT M24-04-B                                | F81039-3  | 2  |  |
| 49 | WASHER, 10.5X19X0.5 FLAT                    | 100623    | 2  |  |
| 50 | WASHER, 10.5X19X1 FLAT                      | 100624    | 2  |  |
|    | <b>INFEED, TVSIV3.6I</b>                    | 098948    | 1  |  |

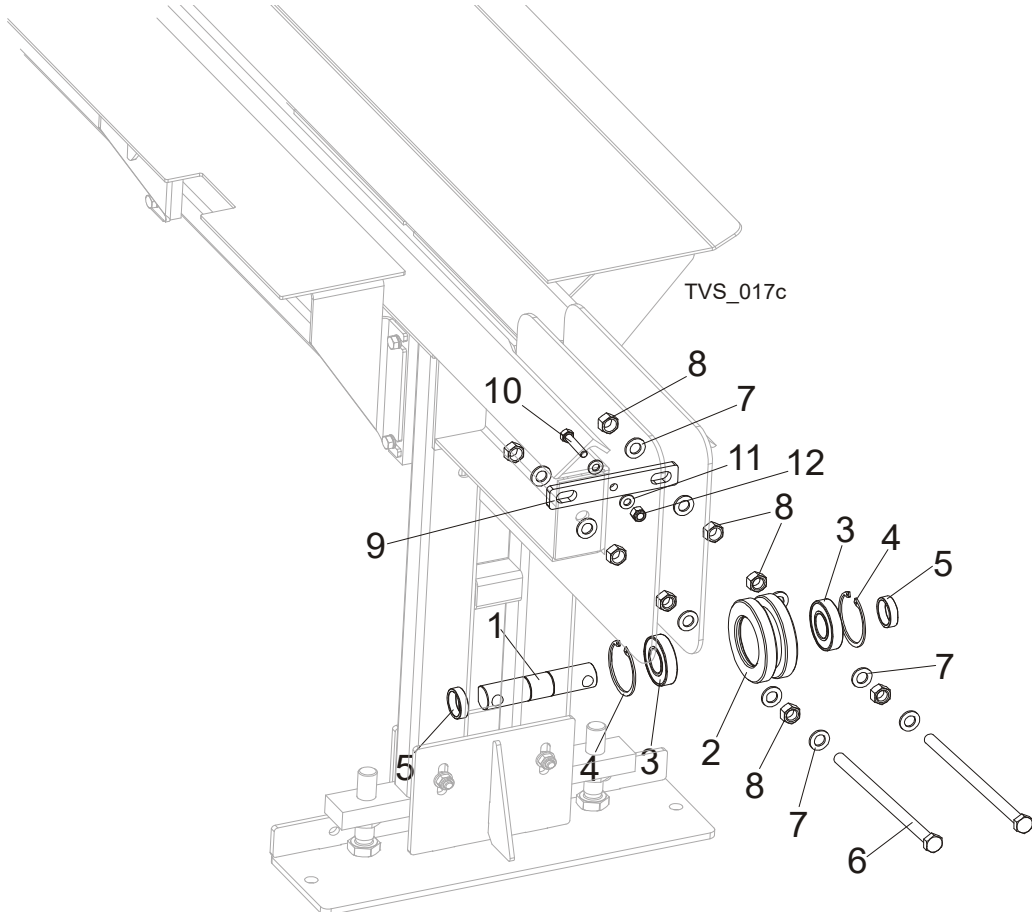
|    |   |           |    |   |
|----|---|-----------|----|---|
|    | <b>INFEED, TVSIV3.6M</b>                    | 098949    | 1  |   |
|    | TVS INFEED, LONG COMPLETE                   | 098747    | 1  |   |
| 1  | TVS INFEED, LONG                            | 098742-1  | 1  | ◆ |
| 2  | BAR, CHAIN OUTER SLIDE - ZINC               | 098652-1  | 2  |   |
|    | BAR, CHAIN SLIDE - ZINC                     | 096199-1  | 6  |   |
| 3  | BUMPER, -GRENE 70 3201 0010. SHR RUBBER     | 094969    | 2  |   |
| 4  | BOLT, M8X50-8.8-HEX HEAD FULL THREAD ZINC   | F81002-19 | 4  |   |
| 5  | WASHER, 8.4 FLAT ZINC                       | F81054-1  | 42 |   |
| 6  | NUT, M8-8-B HEX NYLON LOCK ZINC             | F81032-2  | 4  |   |
| 7  | BUSHING, SPACER ZINC                        | 096355-1  | 2  |   |
|    | ARM, COMPLETE ROLLER HOLD-DOWN              | 096350    | 1  |   |
| 8  | ARM WELDMENT, ROLLER HOLD-DOWN              | 096348-1  | 1  |   |
| 9  | SHAFT, LOG HOLD-DOWN WHEEL ZINC-PLATED      | 096351-1  | 1  |   |
| 10 | WHEEL, LOG HOLD-DOWN ZINC-PLATED            | 096352-1  | 1  |   |
| 11 | BEARING, UCFL 206 CX                        | 090851    | 2  |   |
| 12 | BUSHING, FI 25,5 X 32X12 SPACER ZINC        | 097942-1  | 2  |   |
| 13 | BEARING, 6005 2RS CX                        | 089652    | 3  |   |
| 14 | RING, W47 SPRING RETAINING                  | 089653    | 2  |   |
| 15 | BUSHING, FI 25X16.5X60 SPACER ZINC          | 098610-1  | 1  |   |
| 16 | WASHER, 17 FLAT ZINC                        | F81058-1  | 6  |   |
| 17 | BOLT, M16X100-8.8 HEX HEAD FULL THREAD ZINC | F81006-2  | 1  |   |
| 18 | NUT, M16-8 HEX NYLON ZINC LOCK              | F81036-2  | 3  |   |
| 19 | BOLT, M8x25-8.8 HEX SOCKET HEAD CAP         | F81002-21 | 4  |   |
| 20 | WASHER, 8.2 SPLIT LOCK ZINC                 | F81054-4  | 4  |   |
| 21 | BOLT, M16x120-8.8-A2E ISO 24014             | F81006-25 | 2  |   |
| 22 | ROD, M30 (690) HOLD-DOWN ARM THREADED ZINC  | 096344-1  | 1  |   |
| 23 | WASHER, 31 FLAT ZINC                        | F81061-9  | 6  |   |
| 24 | NUT, M30 HEX ZINC                           | F81038-3  | 6  |   |
| 25 | ANGLE, TVS INFEED SHORT                     | 098325-1  | 2  |   |
| 26 | BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC  | F81003-11 | 2  |   |
| 27 | WASHER, 10.5 FLAT ZINC                      | F81055-1  | 2  |   |
| 28 | BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC | F81002-5  | 38 |   |
| 29 | BOLT, M12x75-8.8 HEX HEAD FULL THREAD ZINC  | F81004-10 | 2  |   |
| 30 | WASHER, 13 FLAT ZINC                        | F81056-1  | 32 |   |
| 31 | NUT, M12-8 HEX NYLON ZINC LOCK              | F81034-2  | 2  |   |
| 32 | BAR, CHAIN SUPPORT                          | 098942-1  | 8  |   |
| 33 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC   | F81001-2  | 38 |   |
| 34 | WASHER, 6.4 FLAT ZINC                       | F81053-1  | 38 |   |
| 35 | SPRING, FI 4.5X FI 35X303                   | 091863    | 2  |   |
| 36 | BOLT, M12x40 8.8 HEX HEAD FULL THREAD ZINC  | F81004-4  | 2  |   |
| 37 | BOLT, M12x130 8.8 HEX HEAD FULL THREAD ZINC | F81004-55 | 2  |   |
| 38 | NUT, M12-8-B HEX ZINC                       | F81034-1  | 8  |   |
| 43 | LEG, TVS                                    | 099534-1  | 2  |   |
| 44 | BOLT, M12X90-8.8 HEX HEAD ZINC              | F81004-2  | 2  |   |
| 45 | WASHER, 13 FLAT ZINC                        | F81056-1  | 4  |   |
| 46 | NUT, M12-8 HEX NYLON ZINC LOCK              | F81034-2  | 2  |   |
| 47 | BOLT, M24X120 8.8 HEX HEAD FULL THREAD ZINC | F81009-6  | 2  |   |
| 48 | NUT M24-04-B HEX THIN ZINC                  | F81039-3  | 2  |   |

|           |  |                       |     |  |
|-----------|--|-----------------------|-----|--|
| <b>49</b> | WASHER, 10.5X19X0.5 FLAT                   | 100623                | 2   |  |
| <b>50</b> | WASHER, 10.5X19X1 FLAT                     | 100624                | 2   |  |
| <b>39</b> | TABLE, TVS SIDE                            | 098115-1 <sup>1</sup> | 2/4 |  |
| <b>40</b> | BOLT, M12x30-8.8 HEX HEAD FULL THREAD ZINC | F81004-22             | 16  |  |
| <b>41</b> | WASHER, Z12.2 SPLIT LOCK ZINC              | F81056-2              | 16  |  |
| <b>42</b> | TABLE, LOG RAMP COMPLETE                   | 098340 <sup>2</sup>   | 1   |  |

<sup>1</sup> 2 pcs with I-version table (in line), 4pcs with M-version table (manual).

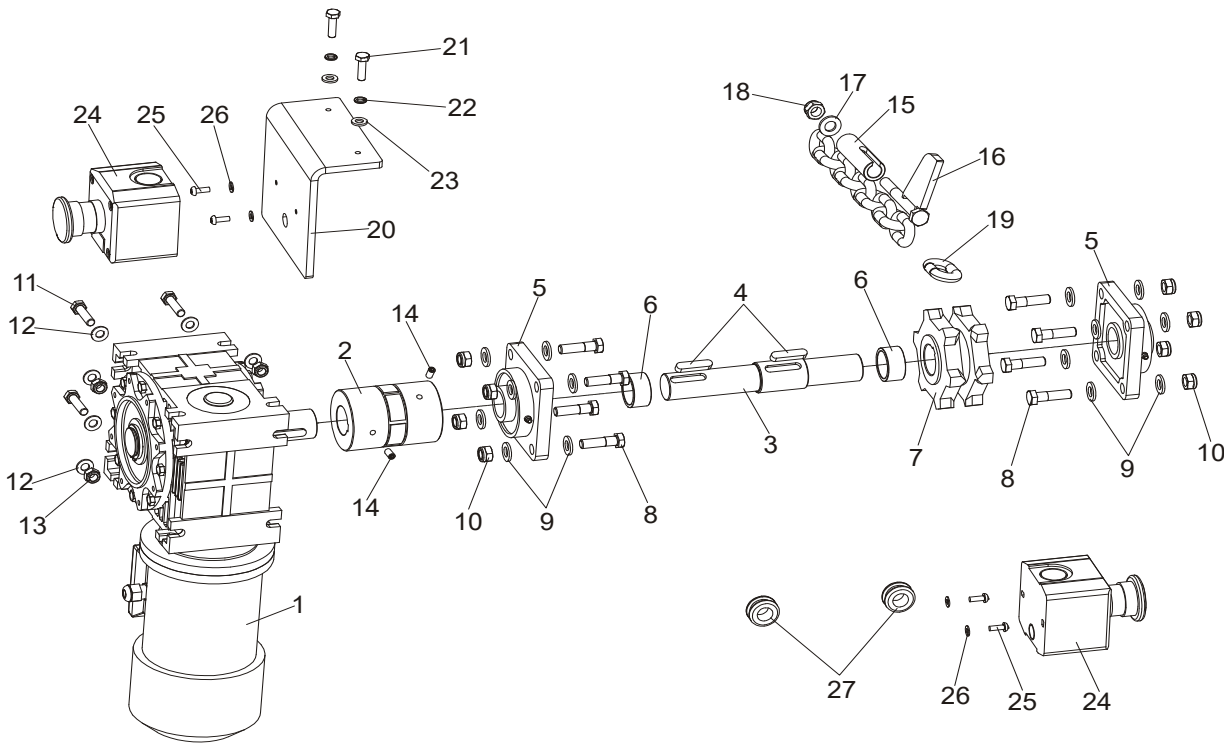
<sup>2</sup> Only with I-version table (in line).

**5.2 Infeed Table Chain Tension Wheel**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>CHAIN TENSION WHEEL COMPLETE</b>                          | 097655    | 1   |
| 1    | SHAFT, CHAIN TENSION WHEEL                                   | 096207-1  | 1   |
| 2    | WHEEL, TVS CHAIN TENSION                                     | 096208-1  | 1   |
| 3    | BEARING, 6207-2RS, C3, 35X72X17                              | 014811    | 2   |
| 4    | RING, W72 SPRING RETAINING                                   | F81090-4  | 2   |
| 5    | <b>BUSHING, FI 36 X 44 X 12 SPACER ZINC</b>                  | 096602-1  | 2   |
| 6    | <b>BOLT, M16X290-8.8 -A2 HEX HEAD FULL THREAD ZINC</b>       | F81006-27 | 2   |
| 7    | <b>WASHER, 17 FLAT ZINC</b>                                  | F81058-1  | 8   |
| 8    | <b>NUT, M16-5.8 HEX ZINC</b>                                 | F81036-1  | 8   |
|      | <b>SCRAPER, TVS TENSIONING WHEEL, COMPLETE</b>               | 100752    | 1   |
| 9    | HOLDER, TENSIONING WHEEL SCRAPER                             | 100751-1  | 1   |
| 10   | BOLT, M10X40-8.8 HEX HEAD FULL THREAD ZINC                   | F81003-16 | 1   |
| 11   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 2   |
| 12   | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1  | 1   |

### 5.3 Chain Drive Assembly, TVS



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART#     | QTY |
|------|--|-----------|-----|
|      | <b>CHAIN DRIVE ASSY, TVS COMPLETE</b>                        | 098671    | 1   |
| 1    | MOTOREDUCER, MR-80/64/1.1-1400/K3/V6                         | 098663    | 1   |
| 2    | COUPLING, "ROTEX-38 ST 92 1A 38X45, 1A 35X45                 | 098664    | 1   |
|      | CONNECTING ELEMENT, 38-92 SHA 098664 COUPLER                 | 505216-S  | 1   |
| 3    | SHAFT, TVS CHAIN DRIVE ZINC-PLATED                           | 096203-1  | 1   |
| 4    | KEY, A10x8x45 PARALLEL                                       | 091312    | 2   |
| 5    | BEARING, UCF 207 W/HOUSING                                   | 097668    | 2   |
| 6    | BUSHING, $\phi 36 \times \phi 44 \times 22$ -SPACER ZINC     | 099959-1  | 2   |
| 7    | SPROCKET, 16B 20Z  | 097657    | 1   |
| 8    | BOLT, M12x45-8.8-HEX HEAD ZINC                               | F81004-32 | 8   |
| 9    | WASHER, 13 FLAT ZINC   | F81056-1  | 16  |
| 10   | NUT, M12-8 HEX NYLON ZINC LOCK                               | F81034-2  | 8   |
| 11   | BOLT, M10x40-8.8 HEX HEAD FULL THREAD ZINC                   | F81003-16 | 4   |
| 12   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 8   |
| 13   | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1  | 4   |
| 14   | SCREW, M8x16-33H HEX SOCKED FLAT POINT SET                   | F81014-2  | 2   |

|    |   |                     |                  |  |
|----|---|---------------------|------------------|--|
| 15 | <b>COMPLETE CHAIN W/DOGS L.12763</b>              | 097650 <sup>1</sup> | 1                |  |
|    | Chain, TVS Welded                                 | 097649-1            | 1                |  |
|    | <b>CHAIN, L.13321 W/DOGS</b>                      | 098809 <sup>2</sup> | 1                |  |
|    | Chain, Welded                                     | 098808-1            | 1                |  |
|    | <b>COMPLETE L.16359 CHAIN W/DOGS</b>              | 098987 <sup>3</sup> | 1                |  |
|    | Chain, welded                                     | 098986-1            | 1                |  |
|    | <b>CHAIN, L.18529 W/DOGS</b>                      | 098812 <sup>4</sup> | 1                |  |
|    | Chain, Welded                                     | 098811-1            | 1                |  |
|    | <b>CHAIN, L.26155 W/DOGS</b>                      | 555490              | 1                |  |
|    | Chain, Welded                                     | 555489-1            | 1                |  |
| 16 | DOG   | 097647-1            | 6-9 <sup>5</sup> |  |
| 17 | WASHER, 13 FLAT ZINC                              | F81056-1            | 1                |  |
| 18 | NUT, M12-8 HEX NYLON ZINC LOCK                    | F81034-2            | 1                |  |
| 19 | LINK, CHAIN MASTER                                | 098661              | 1                |  |
| 20 | <b>BRACKET, TVS EMERGENCY STOP SWITCH</b>         | 098814-1            | 1                |  |
| 21 | <b>BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC</b>  | F81001-2            | 2                |  |
| 22 | <b>WASHER, Z6.1 SPLIT LOCK ZINC</b>               | F81053-3            | 2                |  |
| 23 | <b>WASHER, 6.4 FLAT ZINC</b>                      | F81053-1            | 2                |  |
| 24 | <b>SWITCH, XALJ174F EMERGENCY STOP</b>            | E22703-P            | 2                |  |
| 25 | <b>SCREW, M4X12-5.8-B CROSS RECESSED PAN HEAD</b> | F81011-43           | 4                |  |
| 26 | <b>WASHER, 4.3 FLAT ZINC</b>                      | F81051-2            | 4                |  |
| 27 | <b>GROMMET, 20/13 RUBBER</b>                      | 086188              | 2                |  |

<sup>1</sup> Occurs in combination: Short Infeed + Short Outfeed.

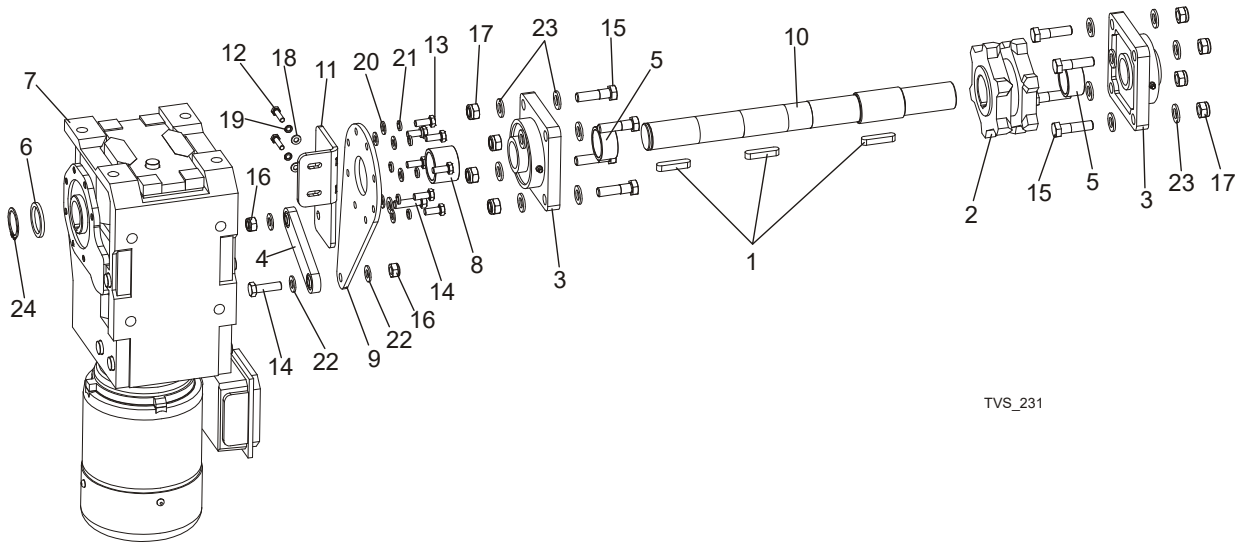
<sup>2</sup> Occurs in combination: Short Infeed + Medium Outfeed.

<sup>3</sup> Occurs in combination: Short Infeed + Long Outfeed and Long Infeed + Medium Outfeed.

<sup>4</sup> Occurs in combination: Long Infeed + Long Outfeed.

<sup>5</sup> Dogs amount depend on chain type.

## 5.4 Chain Drive Assembly, "Heavy Duty" Option

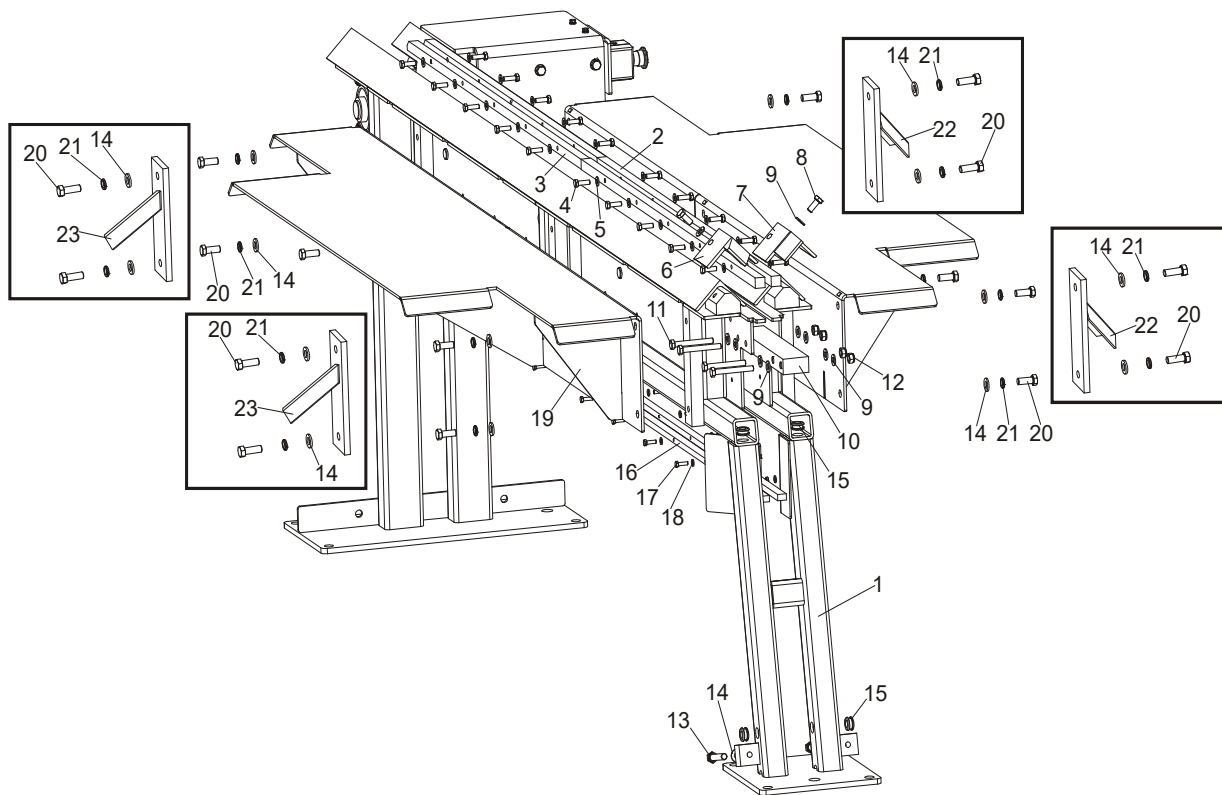


TVS\_231

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART#                 | QTY |
|------|--|-----------------------|-----|
|      | <b>CHAIN DRIVE ASSY, "HEAVY DUTY" OPTION - COMPLETE</b>      | 504650                | 1   |
|      | <b>CHAIN DRIVE ASSY, "HEAVY DUTY" OPTION - COMPLETE</b>      | 505020-S <sup>1</sup> | 1   |
| 1    | KEY, A10x8x45 PARALLEL                                       | 091312                | 3   |
| 2    | SPROCKET, 16B 20Z  | 097657                | 1   |
| 3    | BEARING, UCF 207 W/HOUSING                                   | 097668                | 2   |
| 4    | LINK, SBPL 10104PIVOTAL                                      | 097700                | 1   |
| 5    | BUSHING, Φ36 X Φ44X22-SPACER ZINC                            | 099959-1              | 2   |
| 6    | SPACER, ZINC   | 504639-1              | 1   |
| 7    | MOTOREDUCER SK9022.IAXZH-80L/4                               | 504640                | 1   |
| 8    | SPACER, Φ45XΦ36X32,5 ZINC                                    | 504646-1              | 1   |
| 9    | PLATE, REACTION  | 504647-1              | 1   |
| 10   | SHAFT, TVS CHAIN DRIVE ZINC-PLATED                           | 504648-1              | 1   |
| 11   | BRACKET, REACTION PLATE                                      | 504649-1              | 1   |
| 12   | BOLT, M6X25MM,HEX HEAD,GR 8.8,ZINC                           | F81001-3              | 2   |
| 13   | BOLT, M8x20-8.8-B HEX HEAD FULL THREAD                       | F81002-4              | 7   |
| 14   | BOLT, M10X35-8.8 HEX HEAD FULL THREAD ZINC                   | F81003-17             | 2   |
| 15   | BOLT, M12X45-8.8   | F81004-32             | 8   |
| 16   | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1              | 2   |
| 17   | NUT, M12-8 HEX NYLON ZINC LOCK                               | F81034-2              | 8   |
| 18   | WASHER, 6.4 FLAT ZINC  | F81053-1              | 2   |
| 19   | WASHER, Z6.1 SPLIT LOCK ZINC                                 | F81053-3              | 2   |
| 20   | WASHER, 8.4 FLAT ZINC  | F81054-1              | 7   |
| 21   | WASHER, 8.2 ZINC   | F81054-4              | 7   |
| 22   | WASHER, 10.5 FLAT ZINC                                       | F81055-1              | 4   |
| 23   | WASHER, 13 FLAT ZINC   | F81056-1              | 16  |
| 24   | RING, Z35 RETAINING  | F81090-36             | 1   |

<sup>1</sup> Service Kit to replace standard 098671 chain drive assembly for more durable.

### 5.5 TVS Outfeed



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)             | PART#     | QTY |
|------|--|-----------|-----|
|      | <b>OUTFEED, TVSOV2.4I</b>  | 098950    | 1   |
|      | <b>OUTFEED, TVSOV2.4M</b>  | 098951    | 1   |
|      | ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 2.4 <a href="#">See Section 5.6</a> | 101457    | 1   |
|      | OUTFEED TABLE, TVS COMPLETE  | 097642    | 1   |
| 1    | TABLE, TVS OUTFEED   | 097644-1  | 1   |
| 2    | BAR, CHAIN SLIDE ZINC-PL.  | 096199-1  | 2   |
| 3    | BAR, CHAIN OUTER SLIDE ZINC-PL.  | 098652-1  | 2   |
| 4    | BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC                              | F81002-5  | 20  |
| 5    | WASHER, 8.4 FLAT ZINC  | F81054-1  | 20  |
| 6    | BLOCK WELDMENT, GUIDE - LEFT   | 098315-1  | 1   |
| 7    | BLOCK WELDMENT, GUIDE - RIGHT  | 098670-1  | 1   |
| 8    | BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC                               | F81003-11 | 2   |
| 9    | WASHER, 10.5 FLAT ZINC   | F81055-1  | 10  |
| 10   | CONNECTOR, TABLE ZINC-PLATED   | 098667-1  | 1   |
| 11   | BOLT, M10x80-8.8 HEX HEAD ZINC   | F81003-50 | 4   |
| 12   | NUT, M10-8-B NYLON HEX ZINC LOCK   | F81033-1  | 4   |
| 13   | BOLT, M12x75-8.8-HEX HEAD ZINC   | F81004-21 | 2   |
| 14   | WASHER, 13 FLAT ZINC   | F81056-1  | 14  |
| 15   | GROMMET, 20/13 RUBBER  | 086188    | 4   |
| 16   | BAR, CHAIN SUPPORT   | 098942-1  | 4   |
| 17   | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC                                | F81001-2  | 20  |
| 18   | WASHER, 6.4 FLAT ZINC  | F81053-1  | 20  |



|    |  |                       |                   |  |
|----|--|-----------------------|-------------------|--|
| 19 | TABLE, SIDE  | 097932-1              | 2                 |  |
| 20 | BOLT, M12x30-8.8 HEX HEAD FULL THREAD ZINC                               | F81004-22             | 8/12 <sup>1</sup> |  |
| 21 | WASHER, Z12.2 SPLIT LOCK ZINC  | F81056-2              | 8/12 <sup>1</sup> |  |
| 22 | ANGLE, BOARD REMOVAL LEFT  | 097885-1 <sup>2</sup> | 2                 |  |
| 23 | ANGLE, BOARD REMOVAL RIGHT   | 097886-1 <sup>2</sup> | 2                 |  |
|    | <b>OUTFEED, TVSOV3.6I</b>  | 098952                | 1                 |  |
|    | <b>OUTFEED, TVSOV3.6M</b>  | 098953                | 1                 |  |
|    | ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 3.6 <a href="#">See Section 5.6</a> | 101458                | 1                 |  |
|    | OUTFEED, MEDIUM COMPLETE   | 098755                | 1                 |  |
| 1  | OUTFEED, TVS MEDIUM  | 098754-1              | 1                 |  |
| 2  | BAR, CHAIN SLIDE - ZINC  | 096199-1              | 2                 |  |
| 3  | BAR, CHAIN OUTER SLIDE - ZINC  | 098652-1              | 2                 |  |
|    | BAR, CHAIN SHORT SLIDE- ZINC   | 098753-1              | 2                 |  |
| 4  | BOLT, M8 x 25-8.8-B HEX HEAD FULL THREAD ZINC                            | F81002-5              | 28                |  |
| 5  | WASHER, 8.4 FLAT ZINC  | F81054-1              | 28                |  |
| 6  | BLOCK WELDMENT, GUIDE - LEFT   | 098315-1              | 1                 |  |
| 7  | BLOCK WELDMENT, GUIDE - RIGHT  | 098670-1              | 1                 |  |
| 8  | BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC                               | F81003-11             | 2                 |  |
| 9  | WASHER, 10.5 FLAT ZINC   | F81055-1              | 10                |  |
| 10 | CONNECTOR, TABLE ZINC-PLATED   | 098667-1              | 1                 |  |
| 11 | BOLT, M10x80-8.8 HEX HEAD ZINC   | F81003-50             | 4                 |  |
| 12 | NUT, M10-8-B NYLON HEX ZINC LOCK   | F81033-1              | 4                 |  |
| 13 | BOLT, M12x75-8.8-HEX HEAD ZINC   | F81004-21             | 2                 |  |
| 14 | WASHER, 13 FLAT ZINC   | F81056-1              | 14                |  |
| 15 | GROMMET, 20/13 RUBBER  | 086188                | 4                 |  |
| 16 | BAR, CHAIN SUPPORT   | 098942-1              | 4                 |  |
|    | BAR, CHAIN SHORT SUPPORT   | 098943-1              | 2                 |  |
| 17 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC                                | F81001-2              | 28                |  |
| 18 | WASHER, 6.4 FLAT ZINC  | F81053-1              | 28                |  |
| 19 | TABLE, SIDE  | 097932-1              | 2                 |  |
| 20 | BOLT, M12x30-8.8 HEX HEAD FULL THREAD ZINC                               | F81004-22             | 8/12 <sup>1</sup> |  |
| 21 | WASHER, Z12.2 SPLIT LOCK ZINC  | F81056-2              | 8/12 <sup>1</sup> |  |
| 22 | ANGLE, BOARD REMOVAL LEFT  | 097885-1 <sup>2</sup> | 2                 |  |
| 23 | ANGLE, BOARD REMOVAL RIGHT   | 097886-1 <sup>2</sup> | 2                 |  |
|    | <b>OUTFEED, TVSOV4.8I</b>  | 098954                | 1                 |  |
|    | <b>OUTFEED, TVSOV4.8M</b>  | 098955                | 1                 |  |
|    | ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 4.8 <a href="#">See Section 5.6</a> | 101459                | 1                 |  |
|    | OUTFEED, TVS LONG COMPLETE   | 098796                | 1                 |  |
| 1  | OUTFEED, TVS   | 098795-1              | 1                 |  |
| 2  | BAR, CHAIN SLIDE -ZINC   | 096199-1              | 4                 |  |
| 3  | BAR, CHAIN OUTER SLIDE -ZINC   | 098652-1              | 2                 |  |
|    | BAR, CHAIN SHORT SLIDE -ZINC   | 098753-1              | 2                 |  |
| 4  | BOLT, M8 x 25-8.8-B HEX HEAD FULL THREAD ZINC                            | F81002-5              | 36                |  |
| 5  | WASHER, 8.4 FLAT ZINC  | F81054-1              | 36                |  |
| 6  | BLOCK WELDMENT, GUIDE - LEFT   | 098315-1              | 1                 |  |
| 7  | BLOCK WELDMENT, GUIDE - RIGHT  | 098670-1              | 1                 |  |
| 8  | BOLT, M10X25-8.8 HEX HEAD FULL THREAD ZINC                               | F81003-11             | 2                 |  |

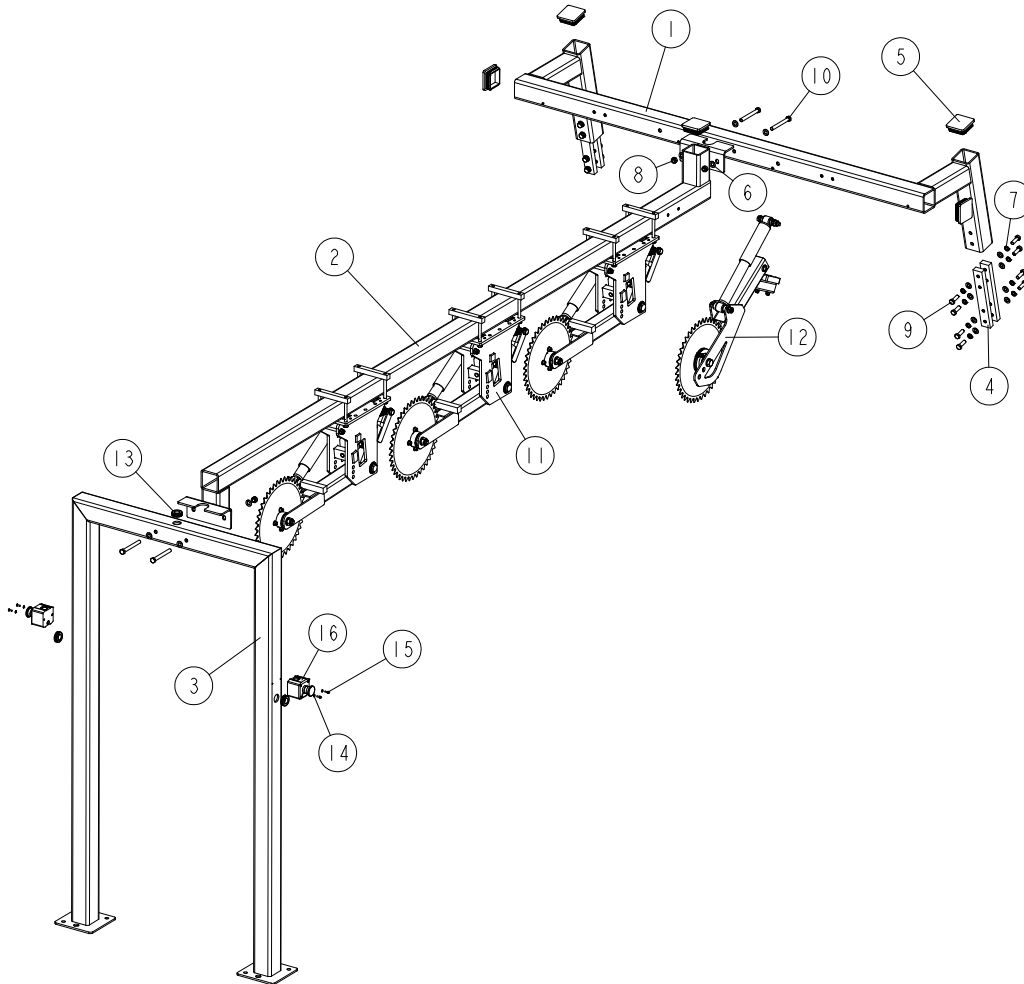
|    |  |                       |                    |  |
|----|--|-----------------------|--------------------|--|
| 9  | WASHER, 10.5 FLAT ZINC                     | F81055-1              | 10                 |  |
| 10 | CONNECTOR, TABLE ZINC-PLATED               | 098667-1              | 1                  |  |
| 11 | BOLT, M10x80-8.8 HEX HEAD ZINC             | F81003-50             | 4                  |  |
| 12 | NUT, M10-8-B NYLON HEX ZINC LOCK           | F81033-1              | 4                  |  |
| 13 | BOLT, M12x75-8.8-HEX HEAD ZINC             | F81004-21             | 2                  |  |
| 14 | WASHER, 13 FLAT ZINC                       | F81056-1              | 14                 |  |
| 15 | GROMMET, 20/13 RUBBER                      | 086188                | 4                  |  |
| 16 | BAR, CHAIN SUPPORT                         | 098942-1              | 6                  |  |
|    | BAR, CHAIN SUPPORT SHORT                   | 098943-1              | 2                  |  |
| 17 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC  | F81001-2              | 38                 |  |
| 18 | WASHER, 6.4 FLAT ZINC                      | F81053-1              | 38                 |  |
| 19 | TABLE, SIDE PTD                            | 097932-1              | 4                  |  |
| 20 | BOLT, M12x30-8.8 HEX HEAD FULL THREAD ZINC | F81004-22             | 16/24 <sup>1</sup> |  |
| 21 | WASHER, Z12.2 SPLIT LOCK ZINC              | F81056-2              | 16/24 <sup>1</sup> |  |
| 22 | ANGLE, BOARD REMOVAL LEFT                  | 097885-1 <sup>2</sup> | 4                  |  |
| 23 | ANGLE, BOARD REMOVAL RIGHT                 | 097886-1 <sup>2</sup> | 4                  |  |

<sup>1</sup> First number of the fasteners concerns I-version table (in line), second concerns M-version table (manual).

<sup>2</sup> Only in I-version table (in line).

## 5.6 Additional Hold-Down Roller Kit

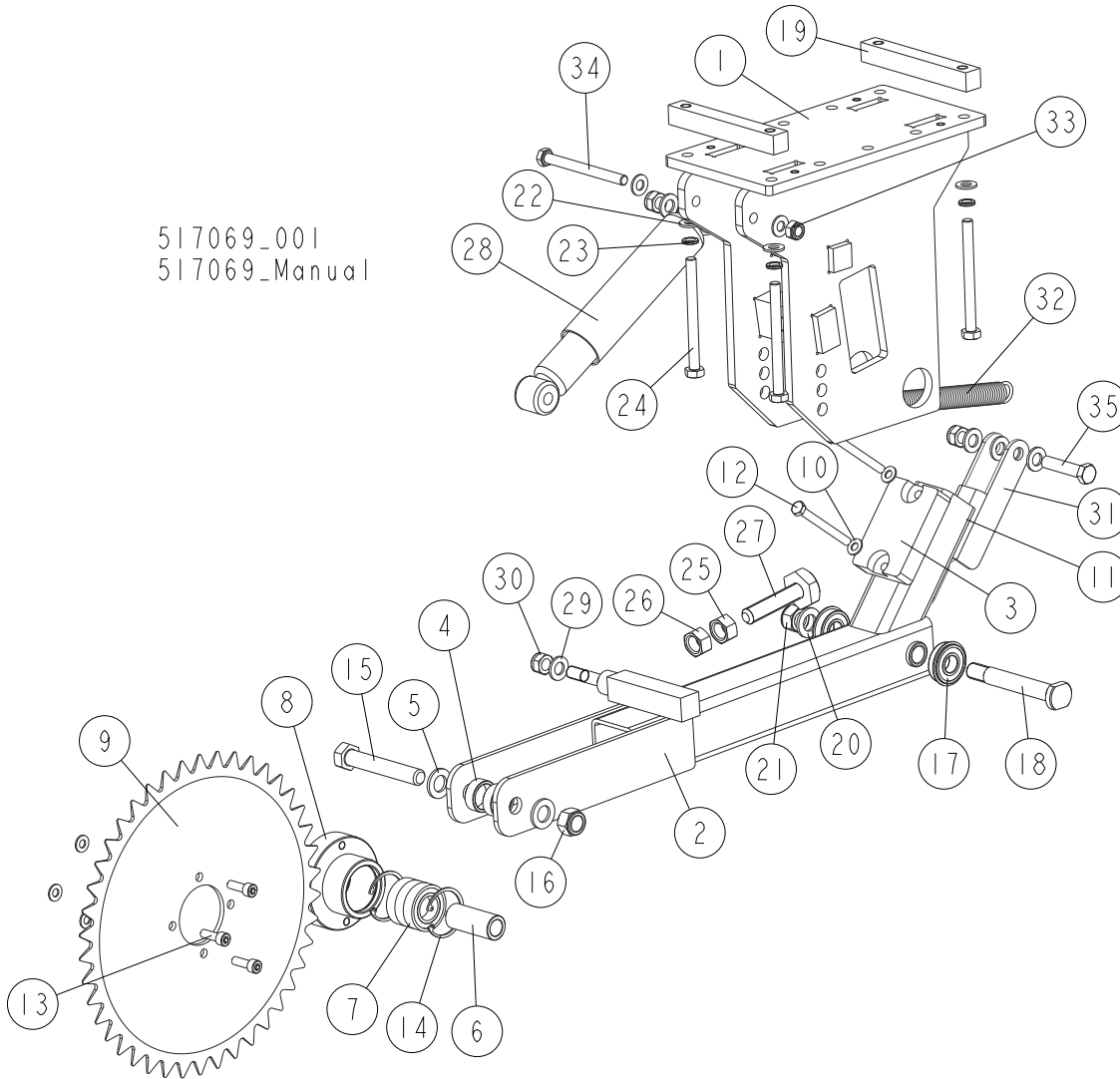
101459\_001  
 101459



| REF | DESCRIPTION (u indicates parts available in assemblies only) | PART #    | QTY |
|-----|--|-----------|-----|
|     | <b>ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 2.4</b>              | 101457    | 1   |
|     | <b>ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 3.6</b>              | 101458    | 1   |
|     | <b>ADDITIONAL HOLD-DOWN ROLLER KIT, TVS 4.8</b>              | 101459    | 1   |
| 1   | TUBE WELDMENT, HOLD-DOWN ROLLER REAR MOU                     | 100731-1  | 1   |
| 2   | MIDDLE TUBE, SHORT TABLE HOLD-DOWN ROLLER CONSTRUCTION       | 101181-1  | 1   |
|     | MIDDLE TUBE, MEDIUM TABLE HOLD-DOWN ROLLER CONSTRUCTION      | 101945-1  | 1   |
|     | MIDDLE TUBE, LONG TABLE HOLD-DOWN ROLLER CONSTRUCTION        | 101184-1  | 1   |
| 3   | FRAME, HOLD-DOWN ROLLER CONSTRUCTION FRO                     | 100738-1  | 1   |
| 4   | BAR, TVS MOUNTING ZINC-PLATED                                | 100756-1  | 4   |
| 5   | CAP, 80X80 GR 2-4 #111227 TUBE END                           | 089644    | 5   |
| 6   | WASHER, 13 FLAT ZINC   | F81056-1  | 24  |
| 7   | WASHER, Z12.2 SPLIT LOCK ZINC                                | F81056-2  | 16  |
| 8   | NUT, M12 8 HEX NYLON ZINC LOCK                               | F81034-2  | 4   |
| 9   | BOLT, M12X35 8.8 HEX HEAD FULL THREAD ZI                     | F81004-24 | 16  |
| 10  | BOLT, M12X110-8.8-B HEX HEAD ZINC                            | F81004-47 | 4   |

| REF | DESCRIPTION (u indicates parts available in assemblies only) | PART #    | QTY   |  |
|-----|--|-----------|-------|--|
| 11  | WHEEL, TVS COMPLETE ADDITIONAL HOLD-DOWN                     | 517069    | 1/2/3 |  |
| 12  | WHEEL, TVS HOLD-DOWN <a href="#">See Section 4.9</a>         | 517423    | 1     |  |
| 13  | GROMMET, 22MM RUBBER   | 087400    | 6     |  |
| 14  | WASHER, 4.3 FLAT ZINC  | F81051-2  | 4     |  |
| 15  | SCREW, M4X12 5,8-B CROSS RECESSED PAN HE                     | F81011-43 | 4     |  |
| 16  | BUTTON, XALK 178 EMERGENCY STOP 8                            | E22703-P  | 2     |  |

### 5.7 Additional Hold-Down Wheel

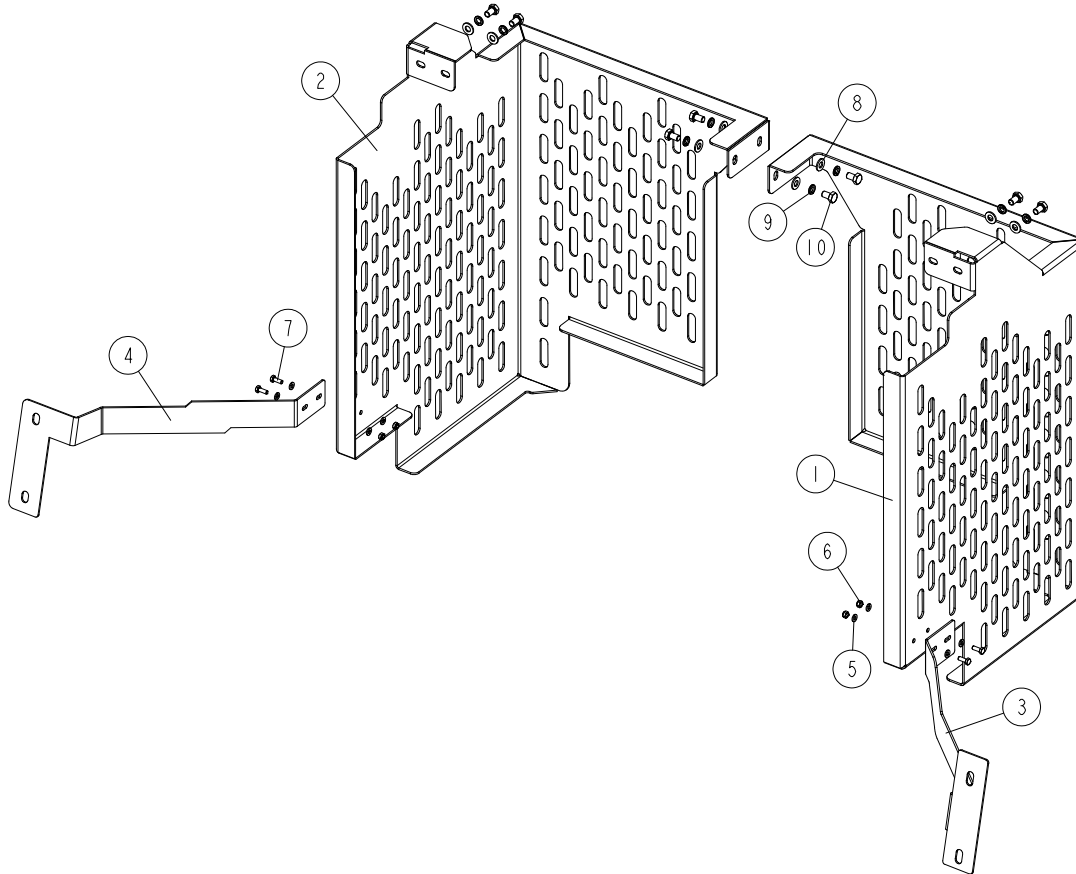


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART#    | QTY |
|------|--|----------|-----|
|      | WHEEL, TVS COMPLETE ADDITIONAL HOLD-DOWN                     | 517069   | 1   |
| 1    | MOUNT WELDMENT, HOLD-DOWN WHEEL                              | 517072-1 | 1   |
|      | WHEEL ASSEMBLY, TVS ADDITIONAL HOLD-DOWN                     | 517071   | 1   |
| 2    | ARM WELDMENT, HOLD-DOWN WHEEL                                | 517070-1 | 1   |
| 3    | BUMPER, GRENE 70 3201 0010 RUBBER                            | 094969   | 1   |
| 4    | BUSHING, 25.5/32-12 ZINC-PLATED                              | 097942-1 | 2   |
| 5    | WASHER, 17 SPLIT LOCK ZINC                                   | F81058-1 | 2   |
| 6    | BUSHING, 16.5/25-60 ZINC-PLATED                              | 098610-1 | 1   |
| 7    | BEARING, 6005 2RS BALL (PN-85/M-86100)                       | 089652   | 3   |
| 8    | ARBOR, HOLD-DOWN WHEEL                                       | 096351-1 | 1   |
| 9    | WHEEL, TVS HOLD-DOWN   | 096352-1 | 1   |
| 10   | WASHER, 8.4 FLAT ZINC  | F81054-1 | 8   |

|    |   |           |   |  |
|----|---|-----------|---|--|
| 11 | NUT, M8 8 HEX NYLON ZINC LOCK               | F81032-2  | 2 |  |
| 12 | BOLT, M8X80-8.8 HEX HEAD ZINC               | F81002-18 | 2 |  |
| 13 | SCREW, M8x25 8.8 HEX SOCKET HEAD CAP ZINC   | F81002-21 | 4 |  |
| 14 | RING, W 47 INSIDE RETAINING                 | 089653    | 2 |  |
| 15 | BOLT, M16x100-8.8 HEX HEAD FULL THREAD ZINC | F81006-2  | 1 |  |
| 16 | NUT, M16-8 HEX NYLON ZINC LOCK              | F81036-2  | 1 |  |
| 17 | BEARING, 6203-2RS NR W/SNAP RING            | 086395    | 2 |  |
| 18 | PIN, IDLER ARM MOUNT                        | 086404    | 1 |  |
| 19 | BAR, MOUNTING                               | 100757-1  | 2 |  |
| 20 | WASHER, 17 SPLIT LOCK ZINC                  | F81058-1  | 1 |  |
| 21 | NUT, M16-8 HEX NYLON ZINC LOCK              | F81036-2  | 1 |  |
| 22 | WASHER, 10.5 FLAT ZINC                      | F81055-1  | 6 |  |
| 23 | WASHER, Z 10.2 SPLIT LOCK ZINC              | F81055-2  | 4 |  |
| 24 | BOLT, M10X115-8.8 HEX HEAD                  | F81003-19 | 4 |  |
| 25 | BOLT, M16 W/2 NUTS                          | 093710    | 1 |  |
| 26 | NUT, M16 5.8 HEX                            | F81036-5  | 2 |  |
| 27 | BOLT WELDMENT, M16                          | 505006    | 1 |  |
| 28 | ABSORBER, WERTTEILE 554412 SHOCK            | 513494    | 1 |  |
| 29 | WASHER, 13 FLAT ZINC                        | F81056-1  | 6 |  |
| 30 | NUT, M12-8 HEX NYLON ZINC LOCK              | F81034-2  | 3 |  |
| 31 | BRACKET, SPRING                             | 518734-1  | 1 |  |
| 32 | SPRING, 2.8x22.2x183                        | 091864    | 1 |  |
| 33 | NUT, M10-8-B HEX NYLON ZINC LOCK            | F81033-1  | 1 |  |
| 34 | BOLT, M10x110-8.8 HEX HEAD ZINC             | F81003-43 | 1 |  |
| 35 | BOLT, M12x55-8.8 HEX HEAD ZINC              | F81004-12 | 1 |  |

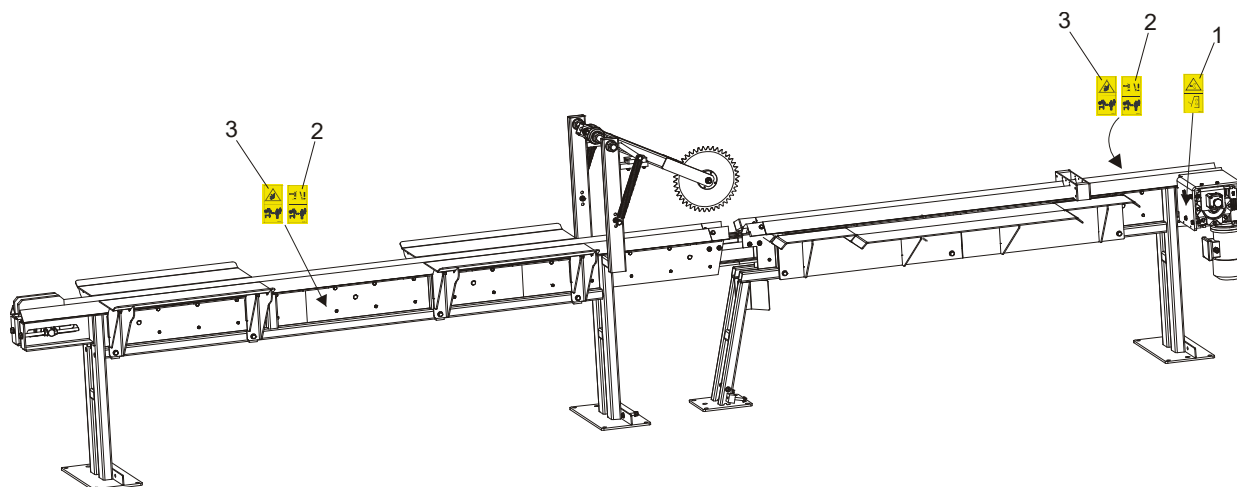
## 5.8 TVS Outfeed Cover (CE Version)

585359\_001  
585359



| REF | DESCRIPTION (u indicates parts available in assemblies only) | PART #    | QTY |
|-----|--|-----------|-----|
| -   | <b>COVER, TVS CE OUTFEED</b>                                 | 585359    | 1   |
| 1   | COVER, LEFT  | 585355-1  | 1   |
| 2   | COVER, RIGHT   | 585356-1  | 1   |
| 3   | BRACKET, LEFT  | 585357-1  | 1   |
| 4   | BRACKET, RIGHT   | 585358-1  | 1   |
| 5   | WASHER, 6.4 FLAT ZINC  | F81053-1  | 8   |
| 6   | NUT, M6-8-B HEX NYLON ZINC LOCK                              | F81031-2  | 4   |
| 7   | BOLT, M6X16-5.8 HEX HEAD FULL THREAD ZIN                     | F81001-15 | 4   |
| 8   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 8   |
| 9   | WASHER, Z 10.2 SPLIT LOCK ZINC                               | F81055-2  | 8   |
| 10  | BOLT, M10X16-8.8 HEX HEAD FULL THREAD ZI                     | F81003-13 | 8   |

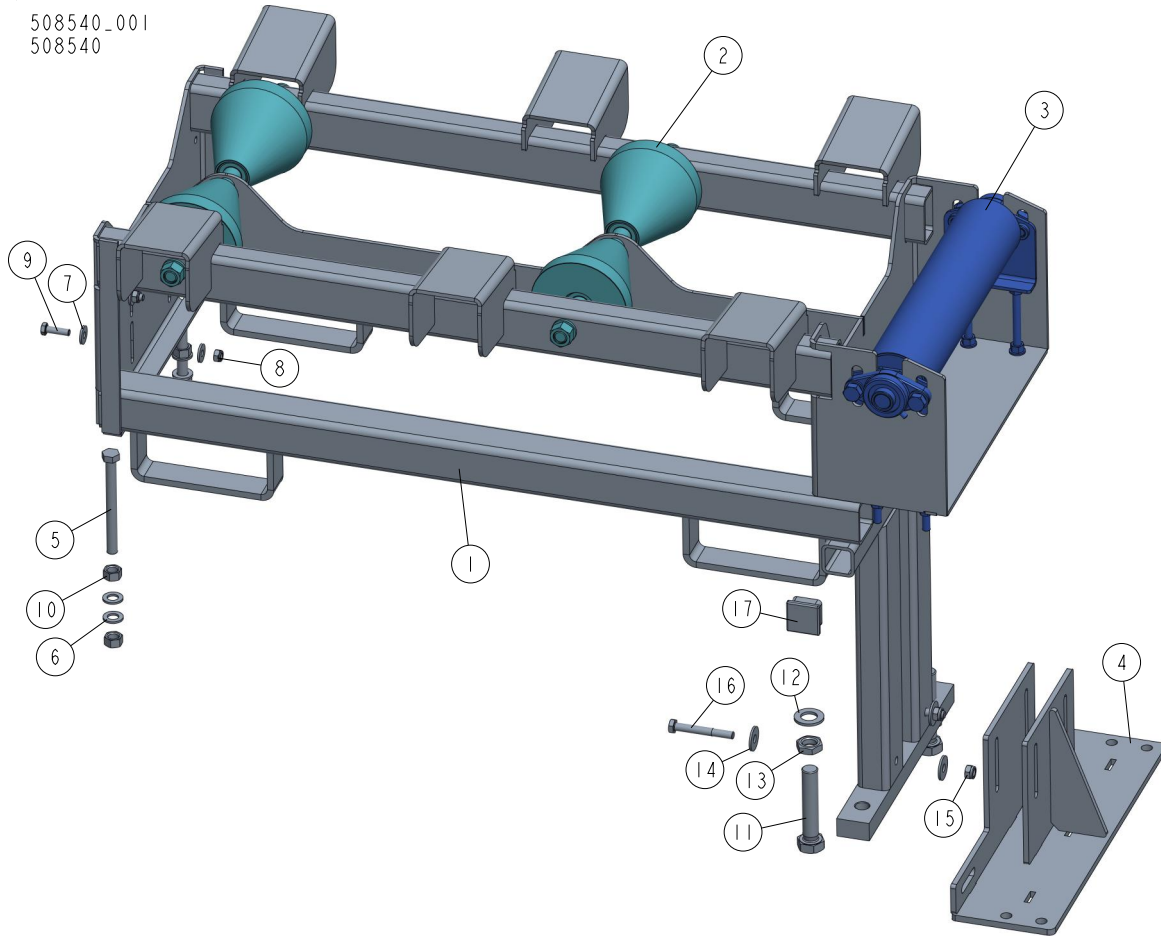
**5.9 Table Decals**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART#  | QTY |
|------|--|--------|-----|
|      | <b>DECAL KIT, PICTOGRAMS, INFEE&amp;OUTFEED TABLES</b>       | 099580 | 1   |
| 1    | Decal, Close guards prior to operating the machine           | 099220 | 1   |
| 2    | Decal, Keep all persons away                                 | 096314 | 2   |
| 3    | Decal, Keep a safe distance                                  | 099221 | 2   |

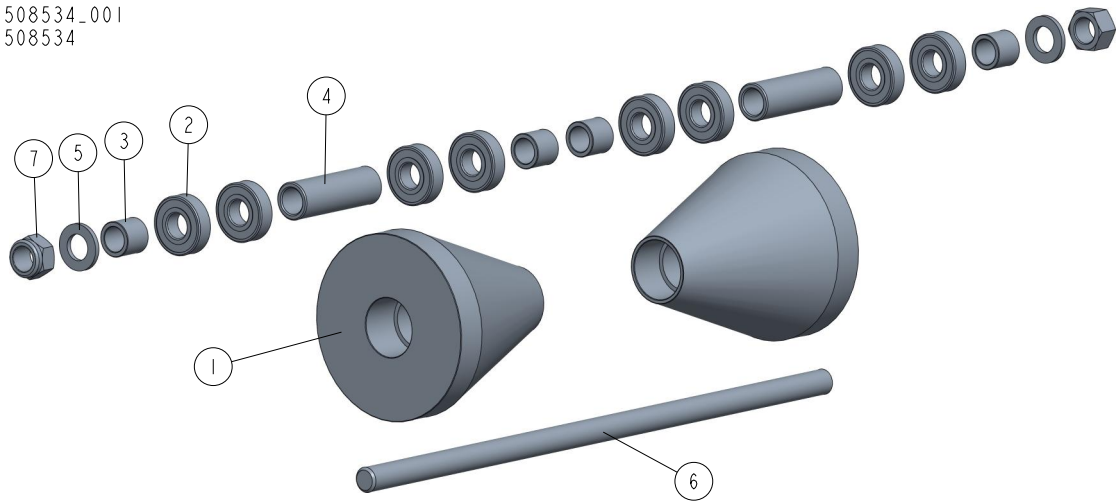


## 5.10 Infeed Table 508540



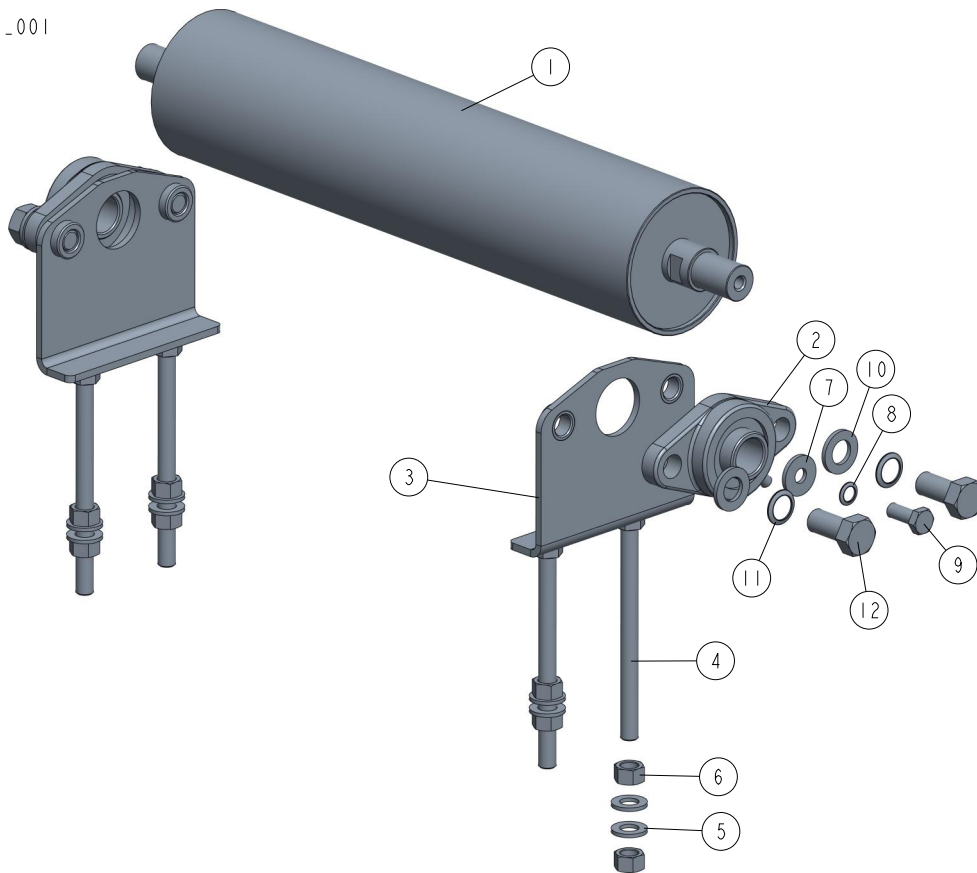
| REF | DESCRIPTION (◆ indicates parts available in assemblies only)           | PART #    | QTY |
|-----|--|-----------|-----|
| -   | <b>INFEED TABLE SHS</b>  | 508540    | 1   |
| 1   | FOOT WELDMENT, TVS TABLE   | 508538-1  | 1   |
| 2   | ROLLER ASSEMBLY, CONICAL W/PIVOT BOLT <a href="#">See Section 5.11</a> | 508534    | 2   |
| 3   | ROLLER, LOG GUIDE - COMPLETE <a href="#">See Section 5.12</a>          | 508549    | 1   |
| 4   | FOOT WELDMENT, TVS TABLE   | 502750-1  | 1   |
| 5   | BOLT, M16X160 8.8 HEX HEAD FULL THREAD Z                               | F81006-23 | 2   |
| 6   | WASHER, 17 SPLIT LOCK ZINC   | F81058-1  | 4   |
| 7   | WASHER 10,5 ZC FENDER DIN 9021 ISO 7093                                | F81055-6  | 8   |
| 8   | NUT M10 ZC 8 NYLOCK DIN 982 ISO 7040                                   | F81033-1  | 4   |
| 9   | BOLT, M10X35-8.8 HEX HEAD FULL THREAD ZI                               | F81003-17 | 4   |
| 10  | NUT, M16-5.8 HEX ZINC  | F81036-1  | 4   |
| 11  | BOLT, M24X120 8.8 HEX HEAD FULL THREAD Z                               | F81009-6  | 2   |
| 12  | WASHER, 25 FLAT ZINC   | F81061-3  | 2   |
| 13  | NUT, M24-04-B HEX THIN ZINC  | F81039-3  | 2   |
| 14  | WASHER, 13 SPECIAL FLAT ZINC   | F81056-14 | 4   |
| 15  | NUT, M12-8 HEX NYLON ZINC LOCK   | F81034-2  | 2   |
| 16  | BOLT, M12X90-8.8 HEX HEAD ZINC   | F81004-2  | 2   |
| 17  | CAP, 50X50 19927 SHR TUBE END (3-5MM THI                               | 095371    | 2   |

## 5.11 Conical Roller Assembly 508534

508534\_001  
508534

| REF | DESCRIPTION (◆ indicates parts available in assemblies only) | PART #   | QTY |
|-----|--|----------|-----|
| -   | ROLLER ASSEMBLY, CONICAL W/PIVOT BOLT                        | 508534   | 1   |
| 1   | ROLLER, CONICAL ZINC-PLATED                                  | 508533-1 | 2   |
| 2   | BEARING, 6204 2RS CX ROLLING                                 | 088447   | 8   |
| 3   | BUSHING, 20/28-25 ZINC-PLATED                                | 094156-1 | 4   |
| 4   | BUSHING, 21/30-91.3 ZINC-PLATED                              | 508645-1 | 2   |
| 5   | WASHER, 21 FLAT ZINC   | F81059-2 | 2   |
| 6   | BOLT, FEED ROLLER PIVOT                                      | 508535-1 | 1   |
| 7   | NUT, M20-8 DIN985 HEX NYLON ZINC LOCK                        | F81037-2 | 1   |

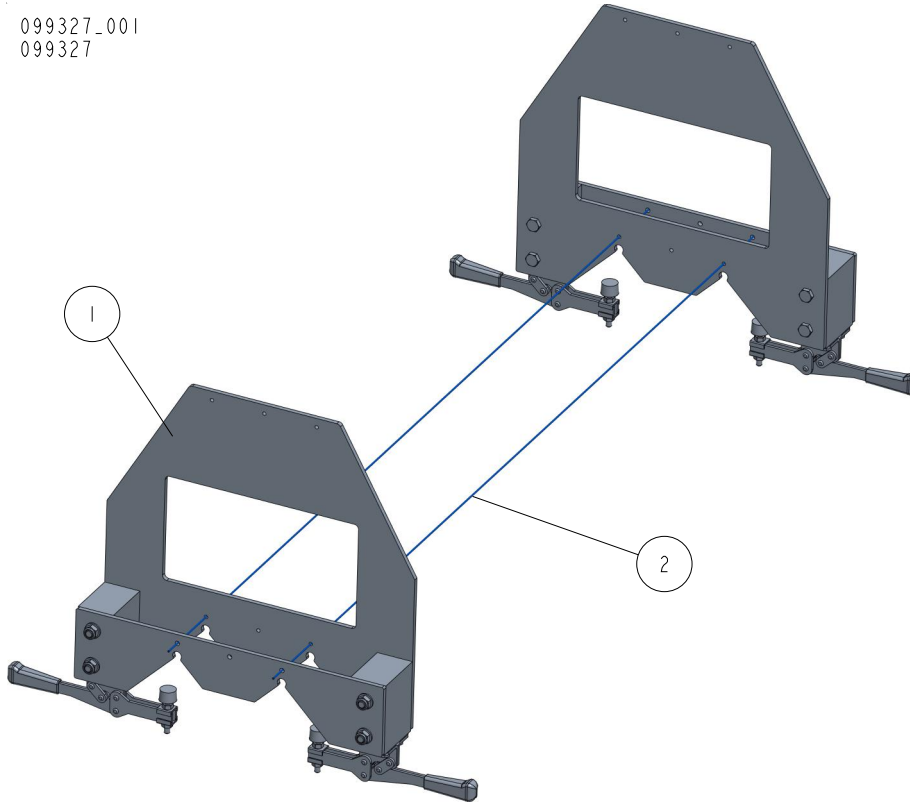
## 5.12 Log Guide Roller 508549

508549\_001  
508549

| REF | DESCRIPTION (◆ indicates parts available in assemblies only) | PART #    | QTY |
|-----|--|-----------|-----|
| -   | <b>ROLLER, LOG GUIDE</b>                                     | 508549    | 1   |
| 1   | ROLLER, PTD HOLD-DOWN  | 503170-1  | 1   |
| 2   | BEARING, UCFL205 W/HOUSING (COMPLEX)                         | 089124    | 2   |
| 3   | ARM, BLADE GUIDE   | 508543-1  | 2   |
| 4   | BOLT, M12X150-8.8 HEX HEAD FULL THREAD Z                     | F81004-54 | 4   |
| 5   | WASHER, 13 FLAT ZINC   | F81056-1  | 8   |
| 6   | NUT, M12, HEXAGON, GRADE 5.8, ZINC                           | F81034-1  | 8   |
| 7   | WASHER 10,5 ZC FENDER DIN 9021 ISO 7093                      | F81055-6  | 1   |
| 8   | WASHER, 791 M10/10.5 SPLIT LOCK                              | F81055-7  | 1   |
| 9   | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZI                     | F81003-11 | 1   |
| 10  | WASHER, 17 SPLIT LOCK ZINC                                   | F81058-1  | 4   |
| 11  | WASHER, BN 791 M16/17 BOS. RIBBED LOCK                       | F81056-13 | 4   |
| 12  | BOLT, ISO 4017-M16X35-8.8-A2E HEX HEAD                       | F81006-45 | 4   |

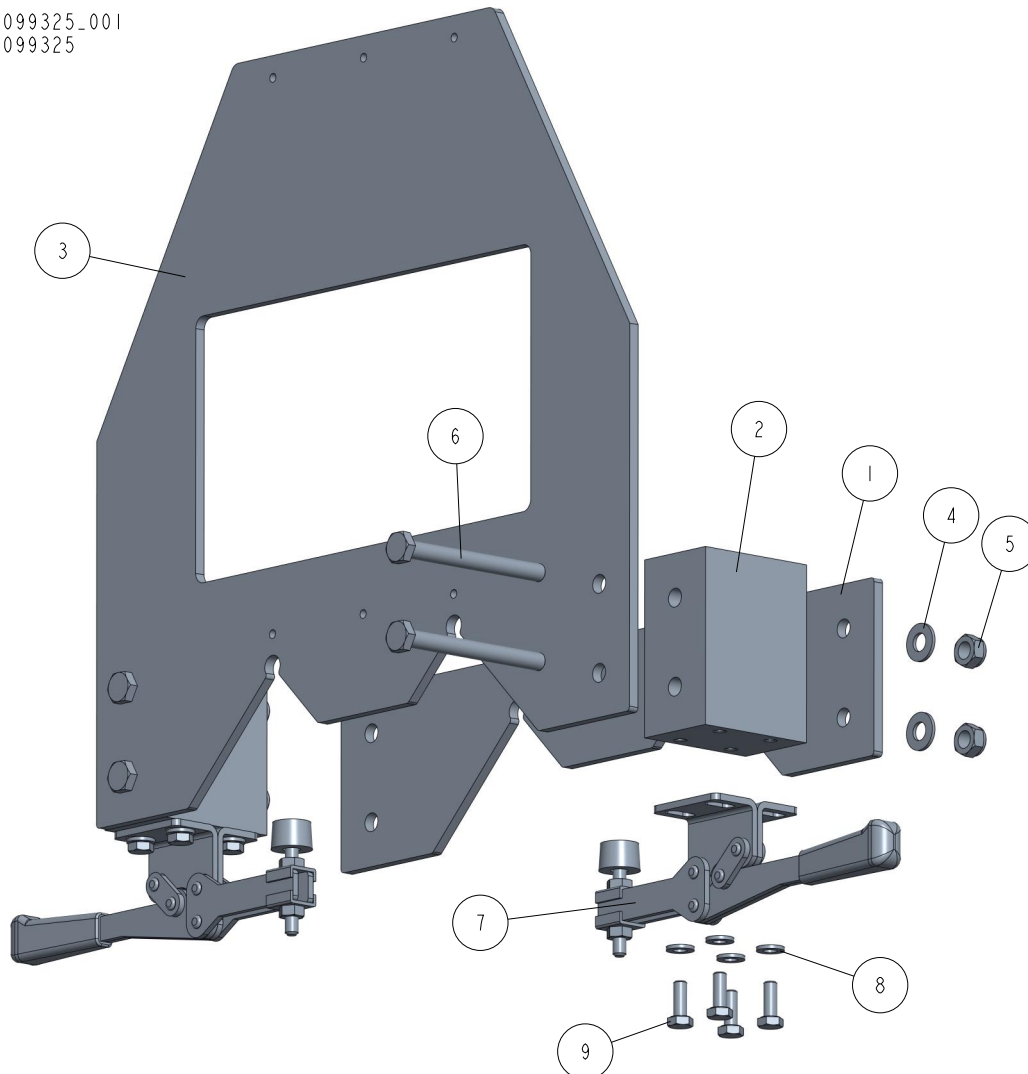
## 5.13 TVS Table Alignment String (Alignment tool) 099327

099327\_001  
099327



| REF | DESCRIPTION (◆ indicates parts available in assemblies only) | PART # | QTY |  |
|-----|--|--------|-----|--|
| -   | STRING, TVS TABLE ALIGNMENT                                  | 099327 | 1   |  |
| 1   | ALIGNMENT TOOL, TVS TABLES                                   | 099325 | 2   |  |
| 2   | STRING, STILO 2X50M  | 099604 | 1   |  |

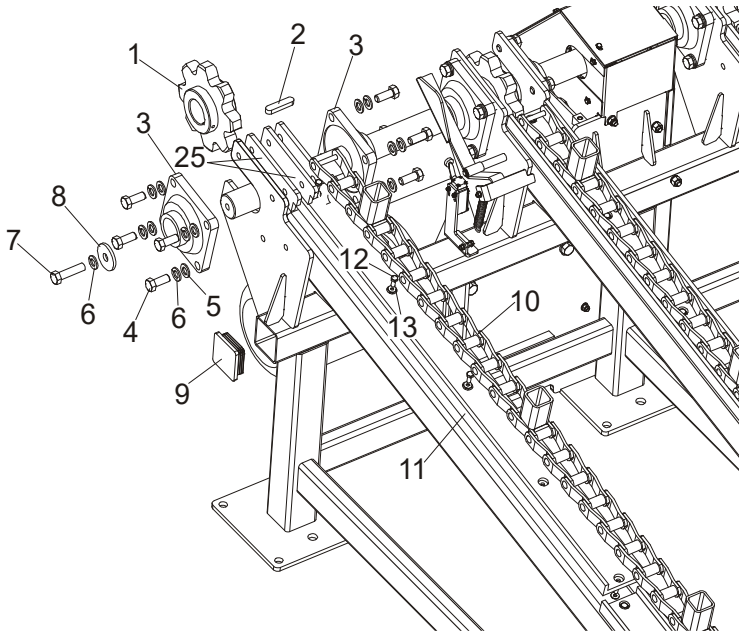
## 5.14 TVS Table Alignment Tool 099325

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099325

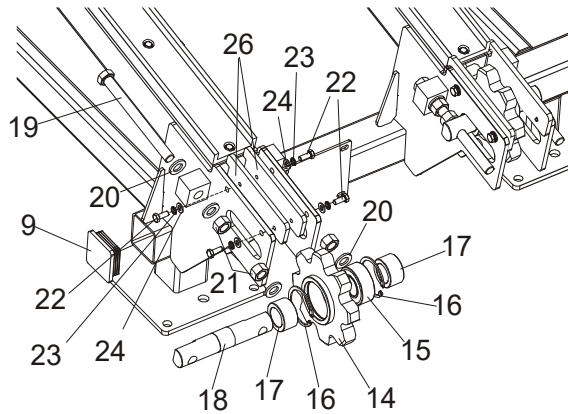
| REF | DESCRIPTION (◆ indicates parts available in assemblies only) | PART #    | QTY |  |
|-----|--|-----------|-----|--|
| -   | <b>ALIGNMENT TOOL, TVS TABLES</b>                            | 099325    | 1   |  |
| 1   | PLATE, TABLE ALIGNMENT TOOL                                  | 099216-1  | 1   |  |
| 2   | BLOCK, ALIGNMENT TOOL SPACER                                 | 099217    | 2   |  |
| 3   | PLATE, TVS TABLE ALIGNMENT TOOL (HIGH)                       | 099215-1  | 1   |  |
| 4   | WASHER, 8.4 FLAT,ZINC  | F81054-1  | 4   |  |
| 5   | NUT, M8-8-B HEX NYLON ZINC LOCK                              | F81032-2  | 4   |  |
| 6   | BOLT, M8X80-8.8 HEX HEAD ZINC                                | F81002-18 | 4   |  |
| 7   | CLAMP, 012 ALIGNMENT TOOL                                    | 090277    | 2   |  |
| 8   | WASHER, 6.4 ZINC FLAT  | F81053-1  | 8   |  |
| 9   | BOLT, M6X16-5.8 HEX HEAD FULL THREAD ZIN                     | F81001-14 | 8   |  |

## SECTION 6 INCLINE LOG DECK (LD4)

### 6.1 Infeed Assembly



TVS\_039\_A



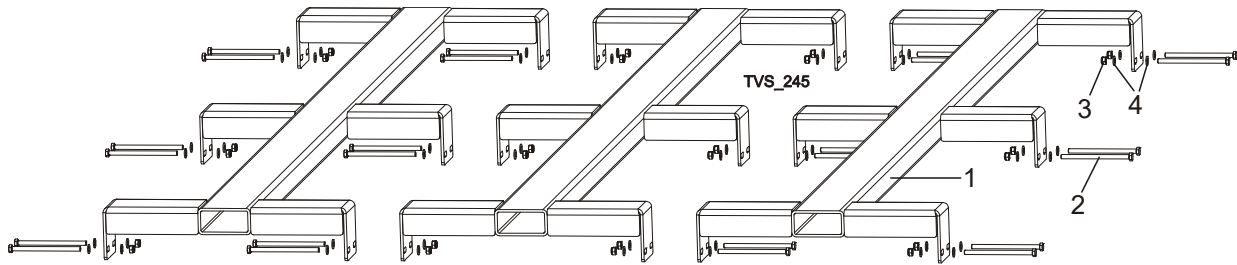
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>TVS, SHS INCLINE LOG DECK</b>                             | 508705    | 1   |
|      | <b>TVS INCLINE LOG DECK</b>                                  | LD3       | 1   |
| 1    | SPROCKET, Z8 OXIDIZED  | 089888-1  | 4   |
| 2    | KEY, A16X10X70 PARALLEL                                      | 098029    | 4   |
| 3    | BEARING, UCF 211W/HOUSING (55 DIA. SHAFT)                    | 089889    | 8   |
| 4    | BOLT, M16x45-8.8 HEX HEAD FULL THREAD ZINC                   | F81006-46 | 32  |
| 5    | WASHER, 17 FLAT ZINC   | F81058-1  | 48  |
| 6    | WASHER, 16.3 SPLIT LOCK ZINC                                 | F81058-2  | 48  |
| 7    | BOLT, M16x65-8.8-B HEX HEAD FULL THREAD ZINC                 | F81006-1  | 4   |
| 8    | WASHER, TVS SPECIAL  | 098012-1  | 2   |

|           |   |           |    |  |
|-----------|---|-----------|----|--|
| <b>9</b>  | CAP, FRAME TUBE                             | 089644    | 4  |  |
| <b>10</b> | CHAIN, TVS INCLINE LOG DECK 5940mm 89-LINK  | 504582    | 4  |  |
| <b>11</b> | CHANNEL, UHMW CONVEYOR                      | 033722    | 8  |  |
| <b>12</b> | BOLT, M8x20-5.8 HEX HEAD FULL THREAD ZINC   | F81002-1  | 40 |  |
| <b>13</b> | WASHER, 6.5 SPECIAL FLAT ZINC               | F81053-11 | 40 |  |
| <b>14</b> | SPROCKET, Z8 REAR OXIDIZED                  | 089919-1  | 4  |  |
| <b>15</b> | BEARING, 3208B.2RSR.TVH FAG                 | 088449    | 4  |  |
| <b>16</b> | RING, W80 INSIDE RETAINING                  | F81090-25 | 8  |  |
| <b>17</b> | BUSHING, SPROCKET SPACER                    | 089916-1  | 8  |  |
| <b>18</b> | SHAFT, CHAIN TENSION SPROCKET               | 089915-1  | 4  |  |
| <b>19</b> | BOLT, M20x240-8.8 HEX HEAD FULL THREAD ZINC | F81007-1  | 8  |  |
| <b>20</b> | WASHER, 21 FLAT ZINC                        | F81059-2  | 24 |  |
| <b>21</b> | NUT, M20-8 HEX ZINC                         | F81037-1  | 16 |  |
| <b>22</b> | Bolt, M10x25-8.8 HEX HEAD FULL THREAD ZINC  | F81003-11 | 16 |  |
| <b>23</b> | WASHER, 10.2 SPLIT LOCK ZINC                | F81055-2  | 16 |  |
| <b>24</b> | WASHER, 10.5 FLAT ZINC                      | F81055-1  | 16 |  |
| <b>25</b> | PLATE, DRIVE SIDE SPACER                    | 509026-1  | 8  |  |
| <b>26</b> | PLATE, IDLE SIDE SPACER                     | 509027-1  | 8  |  |

# 6 Incline Log Deck (LD4)

Additional Grid, Option For TVS Incline Log Deck

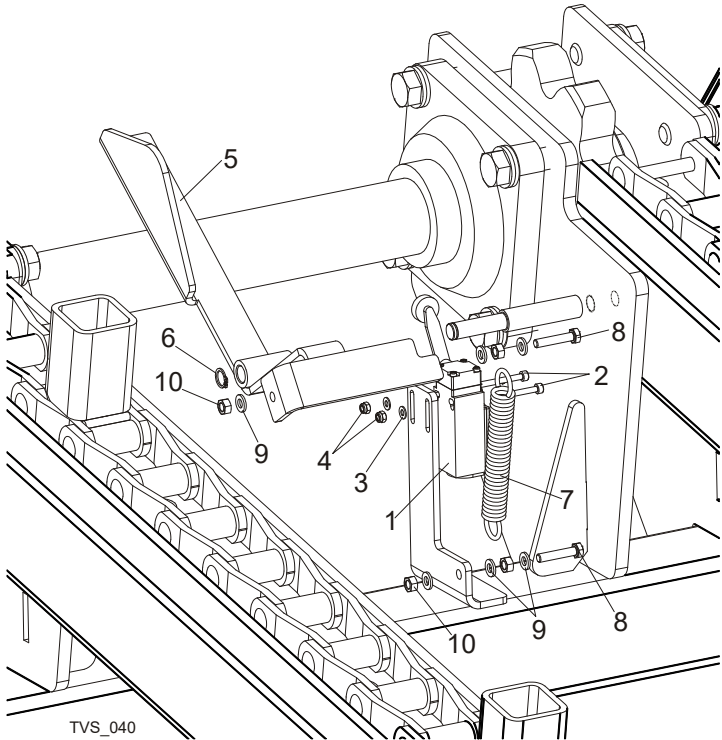
## 6.2 Additional Grid, Option For TVS Incline Log Deck



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>GRID, ADDITIONAL TVS INCLINE LOG DECK - COMPLETE</b>      | <b>505855</b> | <b>1</b> |
| 1    | GRID, ADDITIONAL TVS INCLINE LOG DECK                        | 505854-1      | 3        |
| 2    | BOLT, M8x130-8.8 HEX HEAD ZINC                               | F81002-50     | 24       |
| 3    | NUT, M8-8-B HEX NYLON LOCK ZINC                              | F81032-2      | 24       |
| 4    | WASHER, 8.4 FLAT ZINC  | F81054-1      | 48       |

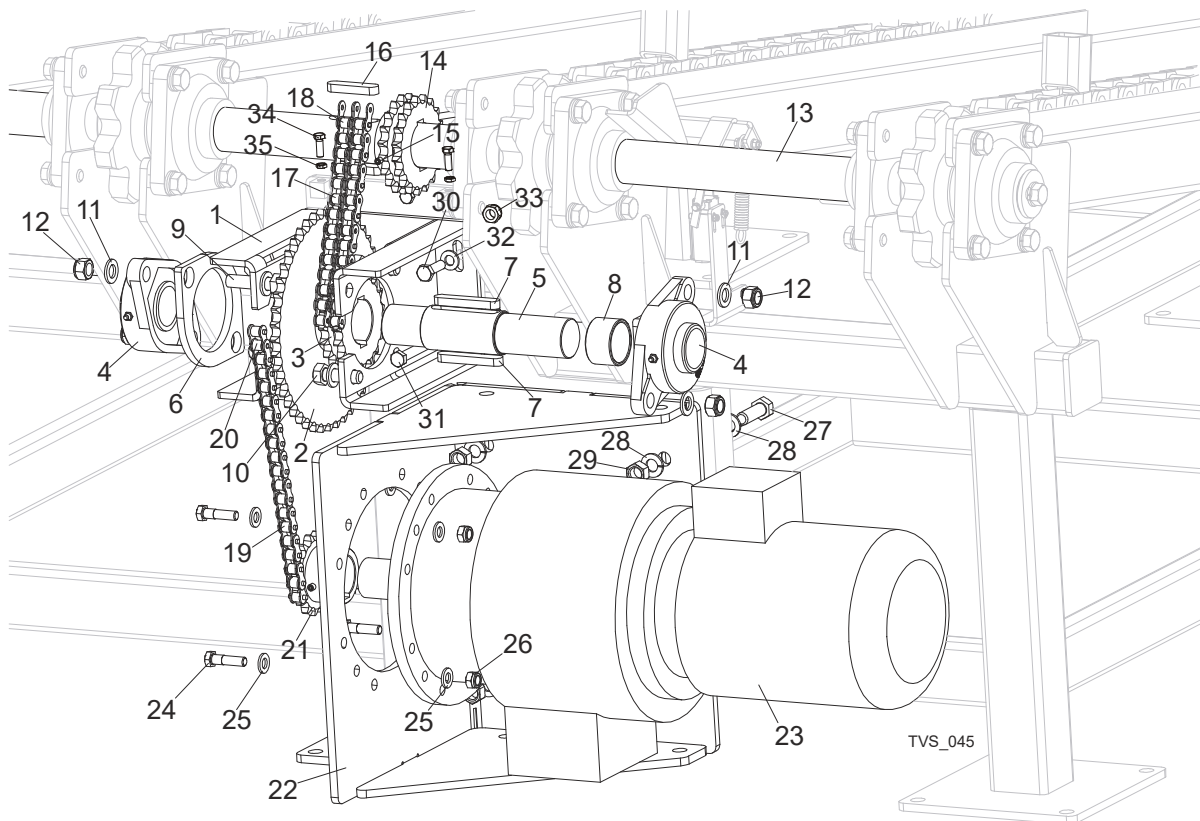


6.3 Limit Switch Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
| 1    | SWITCH, GLCB01A2B LIMIT                                      | 086469    | 1   |
| 2    | SCREW, M4X35-8.8 HEX SOCKET HEAD CAP ZINC                    | F81011-34 | 2   |
| 3    | WASHER, 4.3 FLAT ZINC  | F81051-2  | 2   |
| 4    | NUT, M4-B HEX NYLON LOCK ZINC                                | F81029-1  | 2   |
| 5    | ARM, TVS LIMIT SWITCH ACTIVATOR - COMPLETE                   | 098474-1  | 1   |
| 6    | RING, Z12 OUTSIDE RETAINING                                  | F81090-14 | 1   |
| 7    | SPRING, FI 1.9 X FI 14.2 X 104                               | 091865    | 1   |
| 8    | BOLT, M6X30 5.8 HEX HEAD FULL THREAD                         | F81001-13 | 2   |
| 9    | WASHER, 6.4 FLAT ZINC  | F81053-1  | 6   |
| 10   | NUT, M6-8 HEX ZINC   | F81031-1  | 4   |

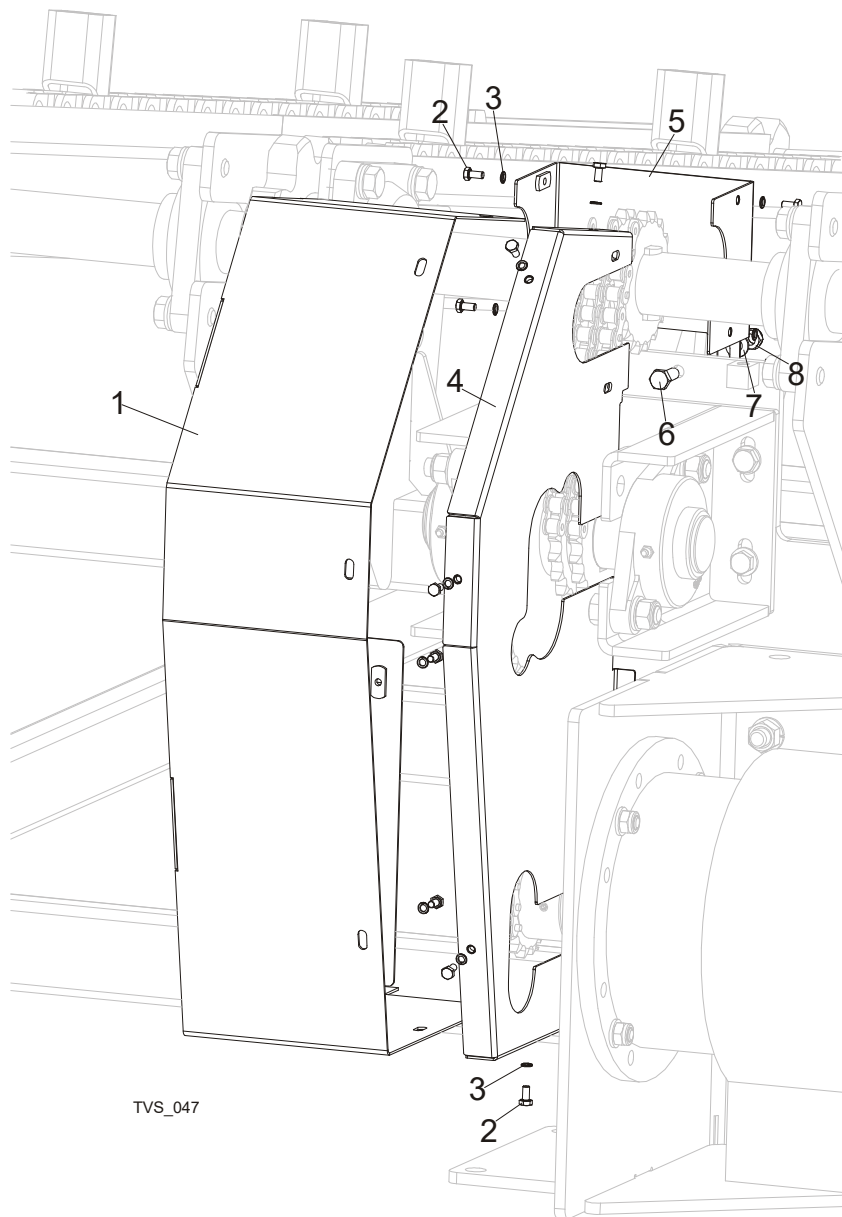
### 6.4 Drive Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|------|--|----------|-----|
|      | <b>GEAR ASSEMBLY, TVS INCLINE LOG DECK</b>                   | 098424   | 1   |
| 1    | BRACKET WELDMENT, TVS SPROCKET MOUNTING                      | 098422-1 | 1   |
| 2    | SPROCKET, 12B Z45 OXIDIZED                                   | 089894-1 | 1   |
| 3    | SPROCKET, 12B Z19  | 098013-1 | 1   |
| 4    | BEARING, UCFL 210 CX W/HOUSING                               | 098824   | 2   |
| 5    | SHAFT, INTERMEDIATE SPROCKET ZINC-PLATED                     | 098419-1 | 1   |
| 6    | PLATE, FL 210 BEARING SPACER                                 | 099106-1 | 1   |
| 7    | KEY, A16X10X90 PARALLEL                                      | 099131   | 2   |
| 8    | SPACER, TVS SPROCKET   | 098011-1 | 1   |
| 9    | BOLT, M16 THIN   | 099647   | 2   |
| 10   | BOLT, M16x50-8.8 HEX HEAD FULL THREAD ZINC                   | F81006-7 | 2   |
| 11   | WASHER, 17 FLAT ZINC   | F81058-1 | 8   |
| 12   | NUT, M16-8 HEX NYLON LOCK ZINC                               | F81036-2 | 4   |
| 13   | <b>SHAFT, TVS INCLINE LOG DECK MAIN</b>                      | 098010   | 1   |
| 14   | <b>SPROCKET, 12B Z19</b>                                     | 098013-1 | 1   |
| 15   | <b>SCREW, M8X8-33H HEX SOCKET SET FLAT POINT ZINC</b>        | F81014-1 | 4   |
| 16   | <b>KEY, A16X10X70 PARALLEL</b>                               | 098029   | 2   |
| 17   | <b>CHAIN, 12B-2-41 (0.8 RM)</b>                              | 099250   | 1   |
| 18   | <b>LINK, 12B-1PZ CHAIN</b>                                   | 099249   | 1   |

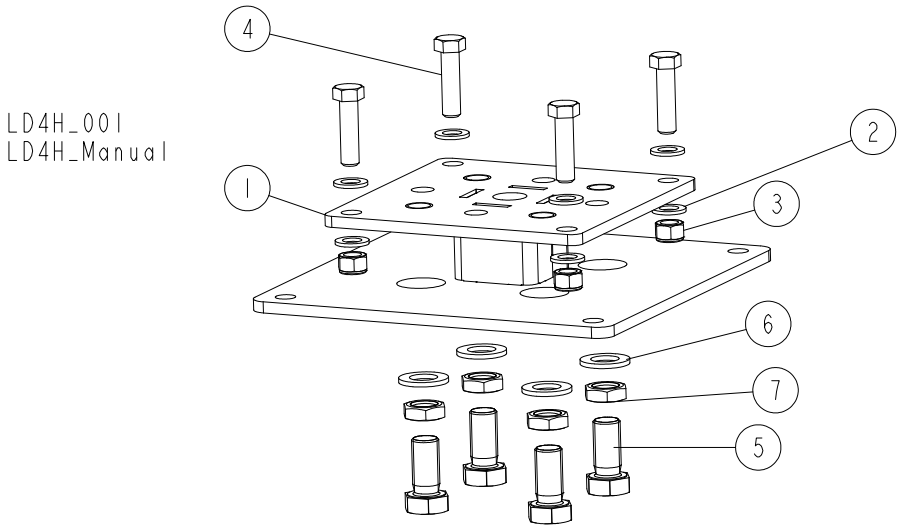
|    |  |           |   |  |
|----|--|-----------|---|--|
| 19 | CHAIN, 12B-1-65 (1.25 RM)                  | 099248    | 1 |  |
| 20 | LINK, 12B-1PZ CHAIN                        | 090713    | 1 |  |
| 21 | SPROCKET, 12B Z16 OXIDIZED                 | 090303-1  | 1 |  |
| 22 | BRACKET WELDMENT, DECK MOTOR MOUNT         | 089897-1  | 1 |  |
| 23 | MOTOREDUCER, SBCM 180/112M-4/32            | 089892    | 1 |  |
| 24 | BOLT, M12X45-8.8 HEX HEAD ZINC             | F81004-32 | 4 |  |
| 25 | WASHER, 13 FLAT ZINC                       | F81056-1  | 8 |  |
| 26 | NUT, M12-8 HEX NYLON LOCK ZINC             | F81034-2  | 4 |  |
| 27 | BOLT, M16X50-8.8 HEX HEAD FULL THREAD ZINC | F81006-7  | 4 |  |
| 28 | WASHER, 17 FLAT ZINC                       | F81058-1  | 8 |  |
| 29 | NUT, M16-5.8 HEX ZINC                      | F81036-1  | 4 |  |
| 30 | BOLT, M12X40-8.8 HEX HEAD FULL THREAD ZINC | F81004-4  | 2 |  |
| 31 | BOLT, M12X120 8.8 HEX HEAD ZINC            | F81004-38 | 2 |  |
| 32 | WASHER, 13 FLAT ZINC                       | F81056-1  | 8 |  |
| 33 | NUT, M12-8-B HEX ZINC                      | F81034-1  | 4 |  |
| 34 | BOLT, M10X50-8.8 HEX HEAD FULL THREAD ZINC | F81003-4  | 2 |  |
| 35 | NUT, M10-8-B HEX ZINC                      | F81033-3  |   |  |

**6.5 Chain Guards**



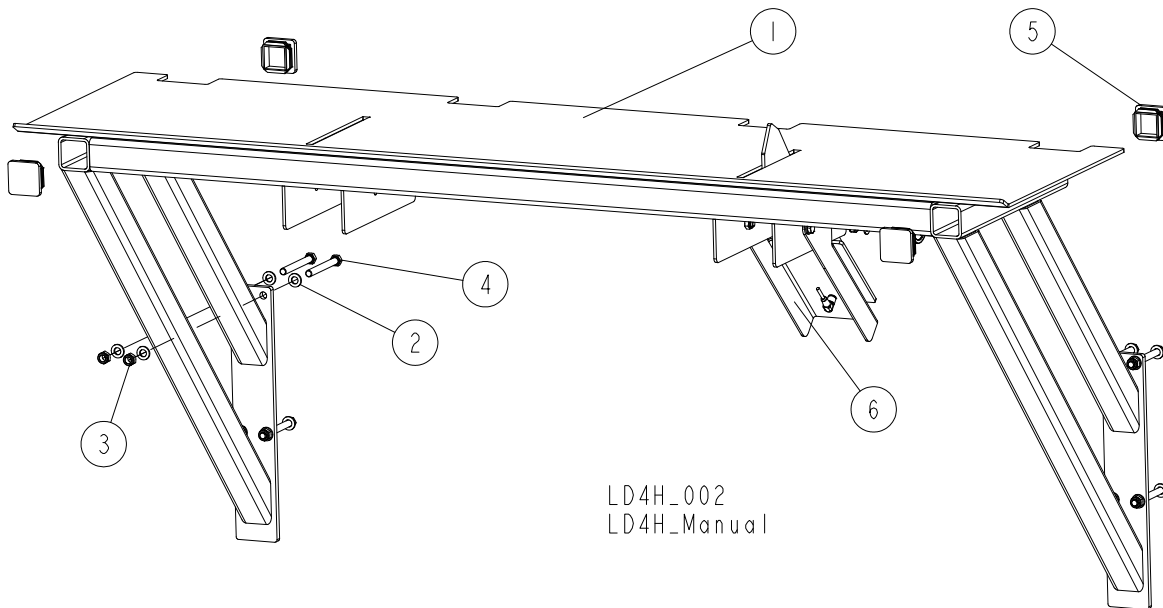
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|------|--|----------|-----|
| 1    | GUARD, TVS ILD GEAR - MAIN                                   | 098467-1 | 1   |
| 2    | BOLT, M6X12-8.8 HEX HEAD FULL THREAD ZINC                    | F81001-7 | 11  |
| 3    | WASHER, Z 6.1 SPLIT LOCK ZINC                                | F81053-3 | 11  |
| 4    | GUARD, TVS ILD GEAR - SIDE                                   | 098470-1 | 1   |
| 5    | GUARD, TVS REAR  | 098469-1 | 1   |
| 6    | BOLT, M10X30-5.8 HEX HEAD FULL THREAD ZINC                   | F81003-2 | 1   |
| 7    | WASHER, 10.5 FLAT ZINC                                       | F81055-1 | 1   |
| 8    | NUT, M10-8-B HEX NYLON LOCK ZINC                             | F81033-1 | 1   |

6.6 LD4 Leg Foot Plate



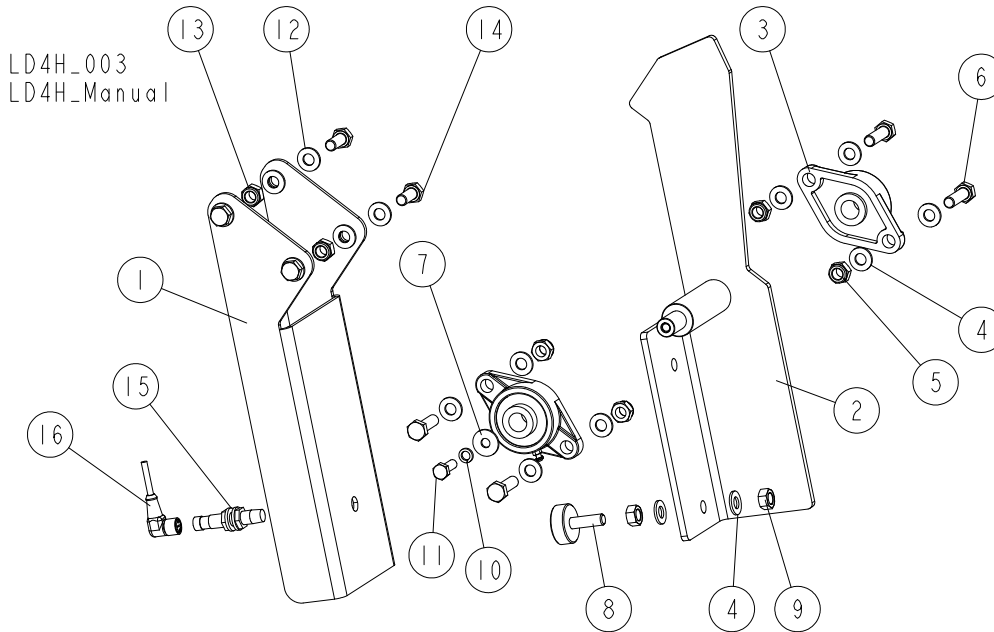
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>PLATE, LD4 LEG FOOT - COMPLETE</b>                        | <b>509795</b> | <b>1</b> |
| 1    | PLATE WELDMENT, LD4 LEG FOOT                                 | 509792-1      | 1        |
| 2    | WASHER, 17 SPLIT LOCK ZINC                                   | F81058-1      | 8        |
| 3    | NUT, M16-8 HEX NYLON ZINC LOCK                               | F81036-2      | 4        |
| 4    | BOLT, M16X60-8.8 HEX HEAD FULL THREAD ZINC                   | F81006-12     | 4        |
| 5    | BOLT, M24X50 8.8 HEX HEAD FULL THREAD ZINC                   | F81009-13     | 4        |
| 6    | WASHER, 25 FLAT ZINC   | F81061-3      | 4        |
| 7    | NUT, M24-04-B HEX THIN ZINC                                  | F81039-3      | 4        |

**6.7 LD4 Log Rest Table**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)      | PART #        | QTY      |
|------|---|---------------|----------|
|      | <b>TABLE, LOG REST - COMPLETE</b>                                 | <b>508550</b> | <b>1</b> |
| 1    | TABLE, LOG REST   | 508551-1      | 1        |
| 2    | WASHER, 13 FLAT ZINC  | F81056-1      | 16       |
| 3    | NUT, M12-8 HEX NYLON ZINC LOCK                                    | F81034-2      | 8        |
| 4    | BOLT, M12X110-8.8-B HEX HEAD ZINC                                 | F81004-47     | 8        |
| 5    | CAP, 60X60 3-4 #199211 TUBE                                       | 089710        | 4        |
| 6    | LEVER ASSEMBLY, LOG DECK SHUT-OFF <a href="#">See Section 6.8</a> | 508559        | 1        |

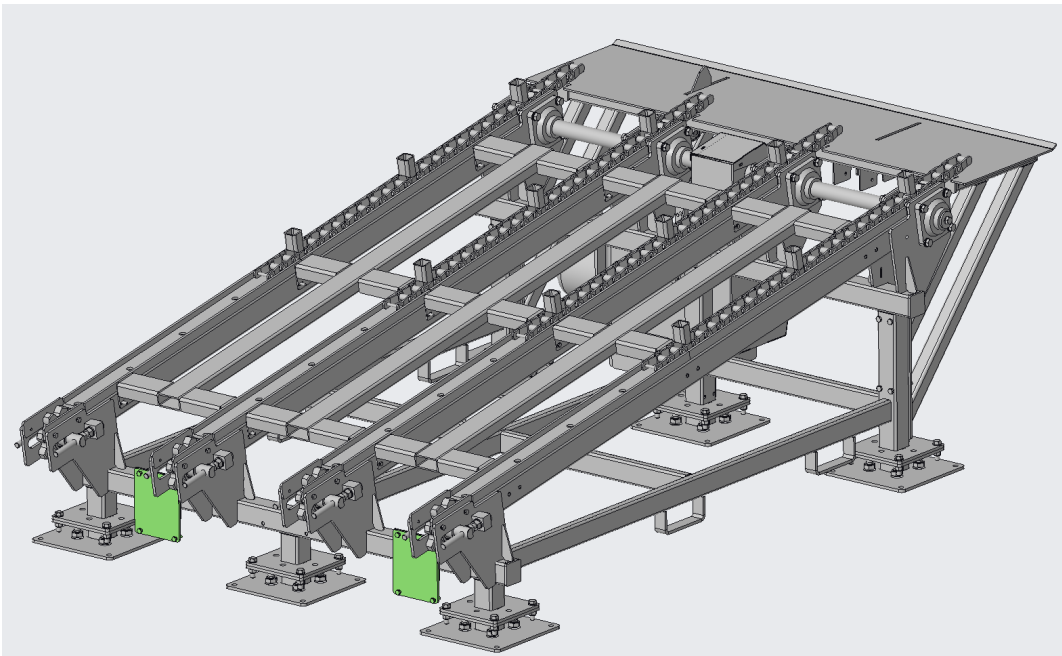
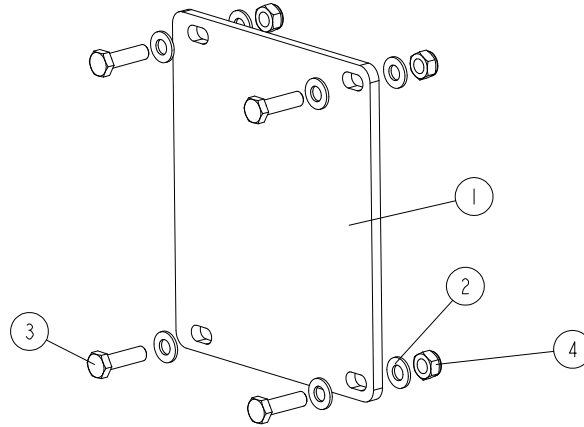
## 6.8 LD4 Shut-Off Lever Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #        | QTY      |
|------|--|---------------|----------|
|      | <b>LEVER ASSEMBLY, LOG DECK SHUT-OFF</b>                     | <b>508559</b> | <b>1</b> |
| 1    | PLATE, SHUT-OFF LEVER STOP                                   | 508564-1      | 1        |
|      | <b>LEVER, LOG DECK SHUT-OFF - COMPLETE</b>                   | <b>508646</b> | <b>1</b> |
| 2    | LEVER, SHUT-OFF  | 508560-1      | 1        |
| 3    | BEARING, UCFL 203 (CX) W/HOUSING                             | 507347        | 2        |
| 4    | WASHER, 10.5 FLAT ZINC                                       | F81055-1      | 10       |
| 5    | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1      | 4        |
| 6    | BOLT, M10X35 8.8 HEX HEAD FULL THREAD ZINC                   | F81003-17     | 4        |
| 7    | WASHER, ISO 7093-1-8-200 HV-A2E                              | F81054-11     | 1        |
| 8    | FOOT, M10 LEG  | 092839        | 1        |
| 9    | NUT, M10 8 HEX ZINC  | F81033-3      | 2        |
| 10   | WASHER, 8.2 SPLIT LOCK ZINC                                  | F81054-4      | 1        |
| 11   | BOLT, M8X25-8.8-B HEX HEAD FULL THREAD ZINC                  | F81002-5      | 1        |
| 12   | WASHER, 10.5 FLAT ZINC                                       | F81055-1      | 8        |
| 13   | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1      | 4        |
| 14   | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZINC                   | F81003-11     | 4        |
| 15   | SENSOR, BES M12MG-PSC80F-S04G INDUCTIVE PROXIMITY            | 093168        | 1        |
| 16   | CABLE, 10 M 4-WIRE SENSOR                                    | 094291        | 1        |

## 6.9 LD4 Ramp Adapter

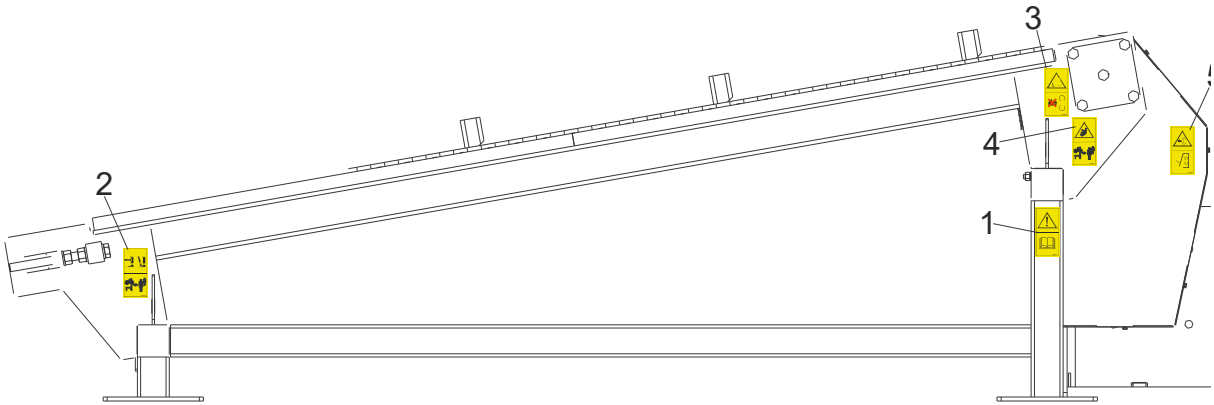
546490\_001  
546490\_MANUAL



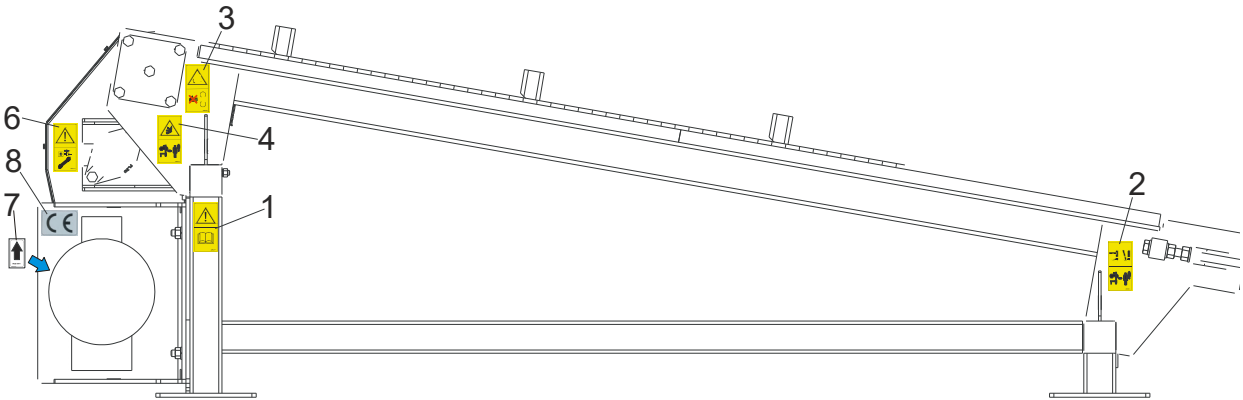
| Ref | DESCRIPTION (* indicates parts available in assemblies only) | PART #    | QTY |
|-----|--|-----------|-----|
| -   | <b>ADAPTER, RAMP LD4</b>                                     | 546490    | 1   |
| 1   | PLATE, ADAPTER LD4   | 546489-1  | 1   |
| 2   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 8   |
| 3   | BOLT,M10X35-8.8 HEX HEAD FULL THREAD ZIN                     | F81003-17 | 4   |
| 4   | NUT,M10-8-B NYLON HEX ZINC LOCK                              | F81033-1  | 4   |



**6.10 Decals**



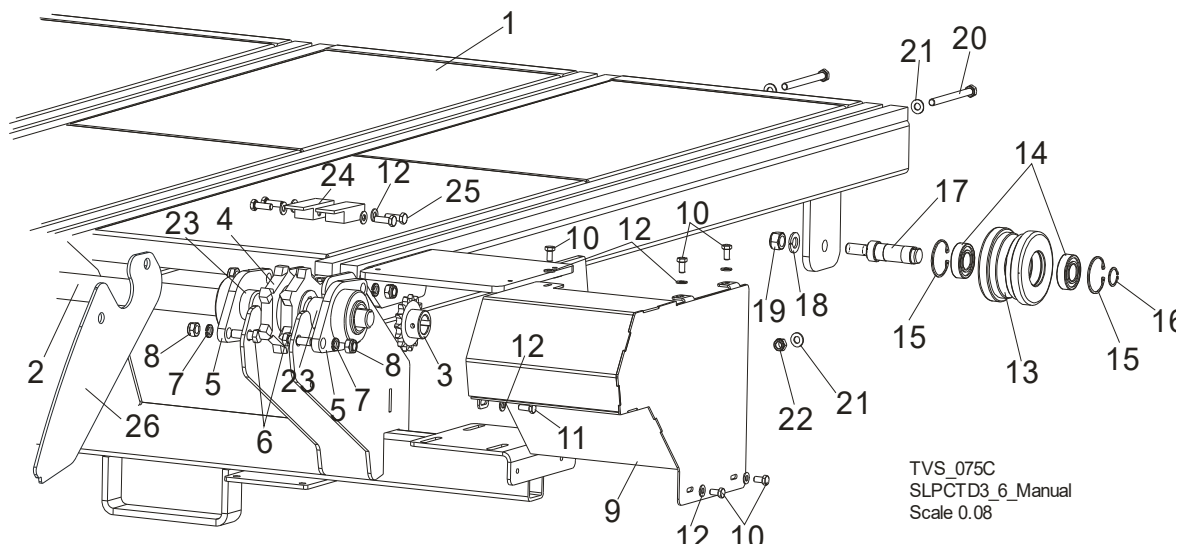
TVS\_048



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)             | PART #  | QTY |
|------|--|---------|-----|
|      | <b>PICTOGRAPHIC DECALS KIT, INCLINE LOG DECK</b>                         | 099579  | 1   |
| 1    | DECAL, READ OPERATOR'S MANUAL (PICTOGRAM)                                | 096317  | 2   |
| 2    | DECAL, KEEP AWAY WARNING (PICTOGRAM)                                     | 096314  | 2   |
| 3    | DECAL, GEAR DANGER (PICTOGRAM)   | 099540  | 2   |
| 4    | DECAL, KEEP AWAY WARNING (PICTOGRAM)                                     | 099221  | 2   |
| 5    | DECAL, CLOSE ALL GUARDS AND COVERS BEFORE STARTING THE MACHINE           | 099220  | 1   |
| 6    | DECAL, DISCONNECT AND LOCK OUT POWER SUPPLY BEFORE SERVICING (PICTOGRAM) | 098177  | 1   |
| 7    | DECAL, 1400 RPM MOTOR DIRECTION  | S20097H | 1   |
| 8    | <b>DECAL, CE-CERTIFIED SAWMILL</b>                                       | P85070  | 1   |

## SECTION 7 CROSS TRANSFER DECK

### 7.1 Front Module & Chains

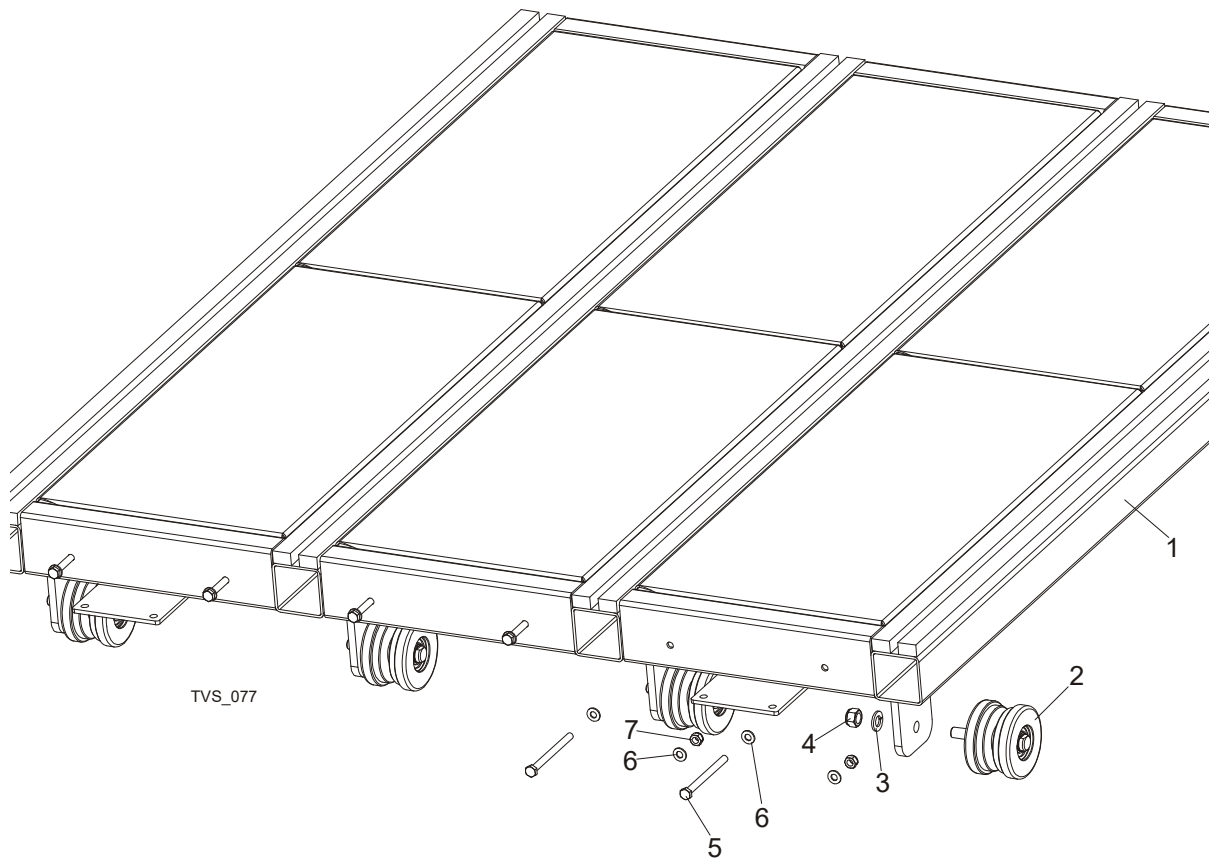


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>COMPLETE FRONT MODULE</b>                                 | 099556    | 1   |
| 1    | FRAME WELDMENT, CTD FRONT                                    | 097899-1  | 1   |
| 2    | SHAFT, CTD DRIVE   | 097893    | 1   |
| 3    | SPROCKET, 10B Z 15 INCLINE CONVEYOR                          | 095162    | 1   |
| 4    | SPROCKET, 16B 20Z  | 097657    | 4   |
| 5    | BEARING, FYTB 40 KG  | 097898    | 8   |
| 6    | BOLT, SPROCKET MOUNTING                                      | 091744    | 16  |
| 7    | WASHER, 17 FLAT ZINC   | F81058-1  | 16  |
| 8    | NUT, M16 HEX NYLON ZINC LOCK                                 | F81036-2  | 16  |
| 9    | COVER, CTD CHAIN   | 097903-1  | 1   |
| 10   | BOLT, M8x16-8.8 HEX HEAD ZINC                                | F81002-20 | 5   |
| 11   | BOLT, M8X20-8.8-B HEX HEAD FULL THREAD ZINC                  | F81002-4  | 1   |
| 12   | WASHER, 8.4 FLAT, ZINC                                       | F81054-1  | 22  |
|      | WHEEL, CTD COMPLETE  | 098492    | 4   |
| 13   | TENSIONER, CTD CHAIN   | 098493    | 1   |
| 14   | BEARING, SKF 6205-2RS ROLLER                                 | 087353    | 2   |
| 15   | RING, W52 INSIDE RETAINING                                   | F81090-6  | 2   |
| 16   | RING, 25Z OUTSIDE RETAINING                                  | F81090-22 | 1   |
| 17   | SHAFT, CTD CHAIN TENSIONER                                   | 098494    | 1   |
| 18   | WASHER, 16.3 SPLIT LOCK ZINC                                 | F81058-2  | 4   |
| 19   | NUT, M16-8 HEX NYLON ZINC LOCK                               | F81036-2  | 4   |
| 20   | BOLT, M10x125-8.8 HEX HEAD ZINC                              | F81003-18 | 6   |
| 21   | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 12  |
| 22   | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1  | 6   |
| 23   | BUSHING, FI 40 x FI 48x14 SPACER                             | 099958-1  | 8   |
| 24   | BAR, FLAT  | 508973-1  | 8   |

|           |  |          |                |  |
|-----------|--|----------|----------------|--|
| <b>25</b> | BOLT, M8X25-8.8-B HEX HEAD FULL THREAD | F81002-5 | 16             |  |
| <b>26</b> | PLATE AXIS CTD                         | 509282-1 | 1 <sup>1</sup> |  |
|           | CHAIN, SLPCTD3.6 ZINC-PLATED           | 099310   | 4              |  |
|           | CHAIN, SLPCTD5.4                       | 099571   | 4              |  |
|           | CHAIN, CTC7.2                          | 099572   | 4              |  |

<sup>1</sup> Option

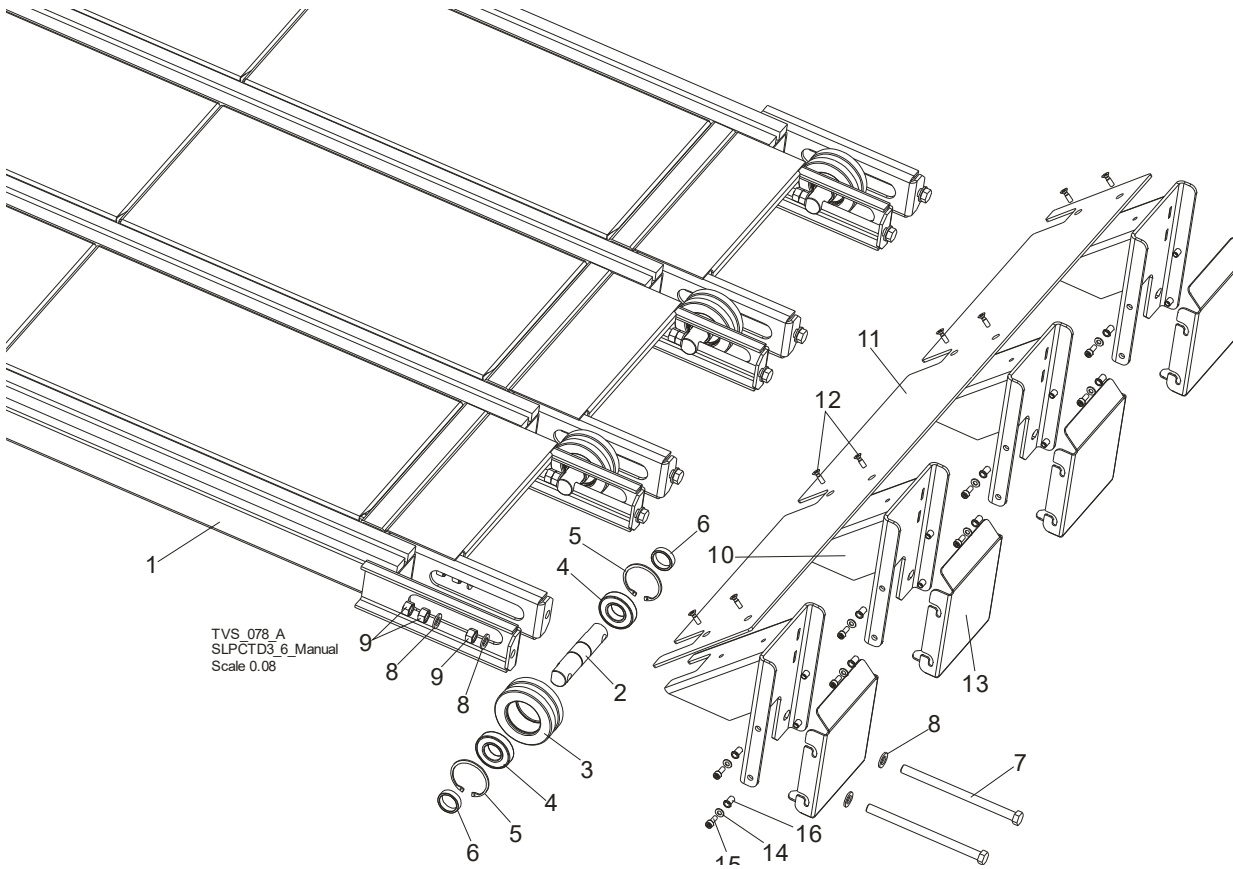
**7.2 Central Module**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY              |
|------|--|-----------|------------------|
|      | <b>COMPLETE CENTRAL MODULE</b>                               | 099557    | 1/2 <sup>1</sup> |
| 1    | MODULE, CTD CENTRAL PAINTED                                  | 098125-1  | 1                |
| 2    | WHEEL, CTD COMPLETE  | 098492    | 4                |
| 3    | WASHER, 16.3 SPLIT LOCK ZINC                                 | F81058-2  | 4                |
| 4    | NUT, M16-8 HEX NYLON ZINC LOCK                               | F81036-2  | 4                |
| 5    | BOLT, M10x125-8.8 HEX HEAD ZINC                              | F81003-18 | 6                |
| 6    | WASHER, 10.5 FLAT ZINC                                       | F81055-1  | 12               |
| 7    | NUT, M10-8-B HEX NYLON ZINC LOCK                             | F81033-1  | 6                |

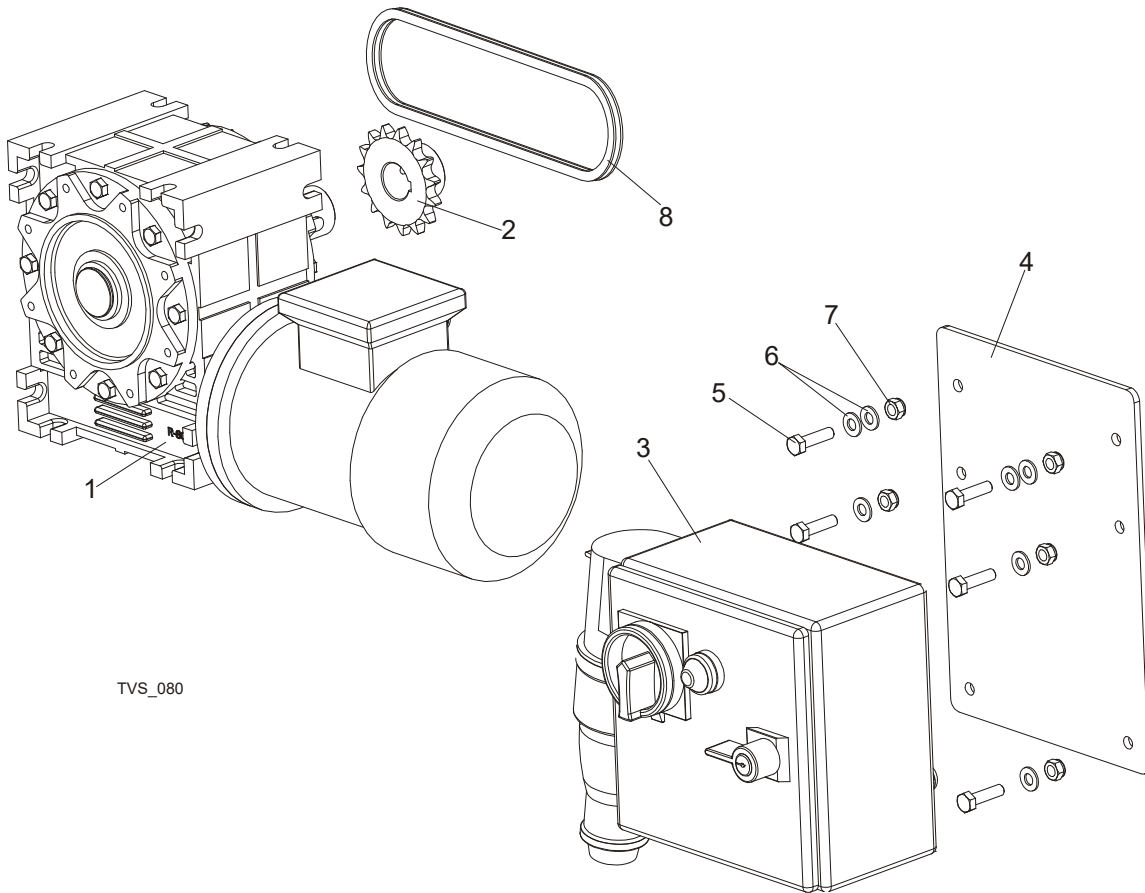
<sup>1</sup> Used on CTD5.4 - 1 piece and on CTD7.2 - 2 pieces.

### 7.3 Rear Module



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #    | QTY |
|------|--|-----------|-----|
|      | <b>COMPLETE REAR MODULE</b>                                  | 099558    | 1   |
| 1    | FRAME WELDMENT, CTD REAR PTD                                 | 097900-1  | 1   |
|      | <b>COMPLETE CHAIN TENSION WHEEL</b>                          | 097655    | 4   |
| 2    | SHAFT, CHAIN TENSION WHEEL                                   | 096207-1  | 1   |
| 3    | WHEEL, TVS CHAIN TENSION                                     | 096208-1  | 1   |
| 4    | BEARING, 6207-2RS, C3, 35X72X17                              | 014811    | 2   |
| 5    | RING, W72 INSIDE RETAINING                                   | F81090-4  | 2   |
| 6    | BUSHING, FI 36x FI 44x22 SPACER ZINC                         | 099959-1  | 8   |
| 7    | BOLT, M16X240-8.8-A2 FULL THREAD                             | F81006-29 | 8   |
| 8    | WASHER, 17 FLAT ZINC   | F81058-1  | 24  |
| 9    | NUT, M16-5.8 HEX ZINC  | F81036-1  | 24  |
|      | <b>BUMPER ASSEMBLY</b>                                       | 099560-1  | 1   |
| 10   | BRACKET, BUMPER MOUNTING                                     | 098223-1  | 4   |
| 11   | PLATE, CTD BUMPER  | 098496-1  | 1   |
| 12   | SCREW, M8X25 CROSS RECESSED COUNTERSUNK HEAD                 | F81002-51 | 8   |
| 13   | PLATE, BUMPER  | 512626-1  | 4   |
| 14   | WASHER, 8.4 FLAT ZINC  | F81054-1  | 16  |
| 15   | SCREW, M8 X 20-8.8 HEX SOCKET HEAD CAP ZINC                  | F81002-30 | 16  |
| 16   | NUT, M8 1.0-2.5 FTR-Z FE/ZN5 RIVET                           | F81032-9  | 16  |

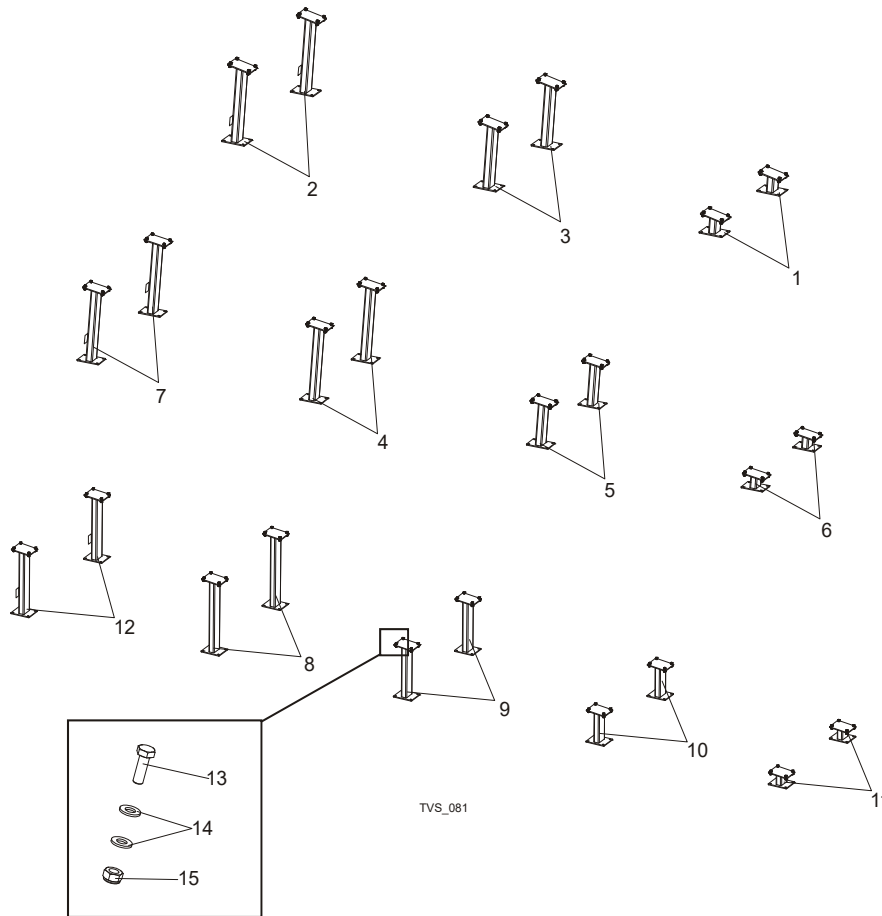
**7.4 Cross Transfer Deck Drive**



TVS\_080

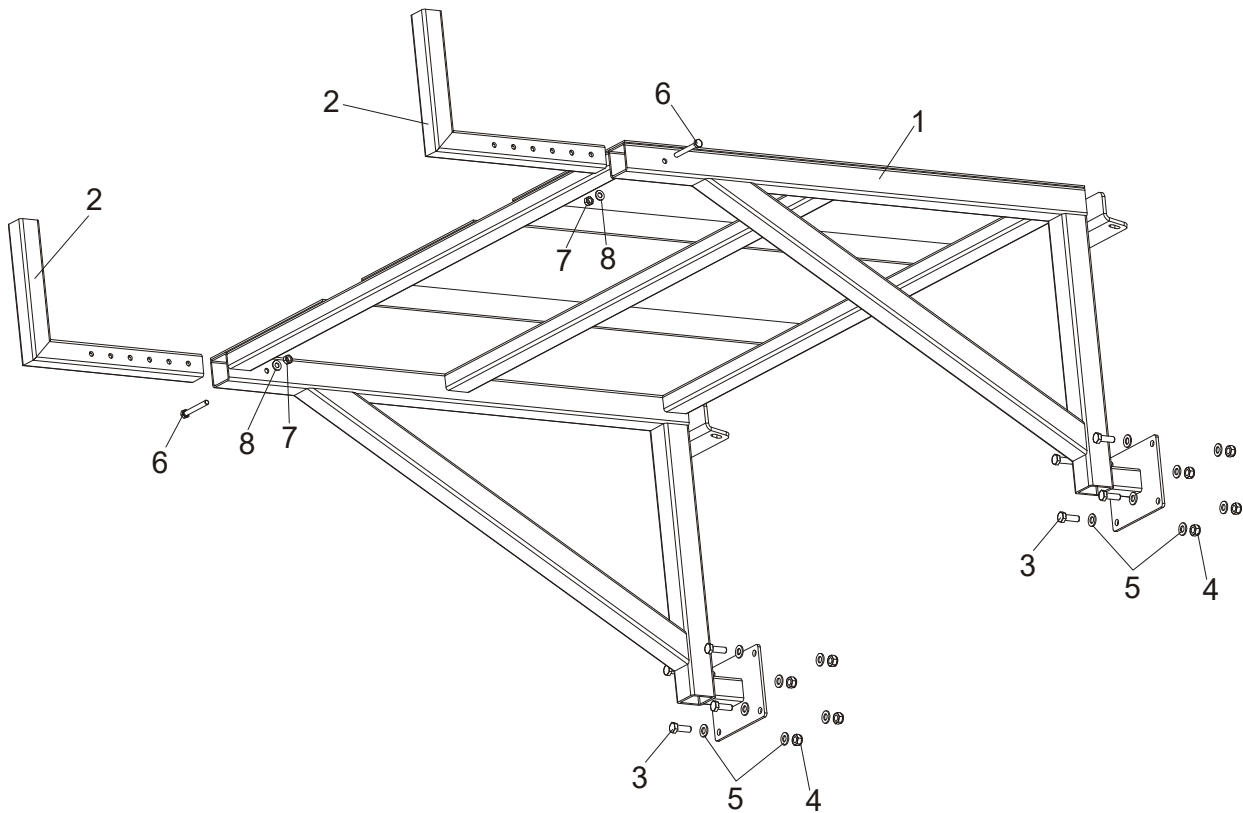
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|------|--|----------|-----|
|      | <b>MOTOR KIT</b>   | 099559   | 1   |
| 1    | MOTOREDUCER, MR-80/64-1.1-1400/K3/V6                         | 098663   | 1   |
| 2    | SPROCKET, 10B Z 15 INCLINE CONVEYOR                          | 095162   | 1   |
| 3    | BOX, CTD ELECTRIC  | 098826   | 1   |
| 4    | PANEL, CTD ELECTRIC BOX                                      | 099550-1 | 1   |
| 5    | BOLT, M8X30-5.8 HEX HEAD FULL THREAD ZINC                    | F81002-2 | 6   |
| 6    | WASHER, 8.4 FLAT ZINC  | F81054-1 | 8   |
| 7    | NUT, M8-8-B HEX NYLON ZINC LOCK                              | F81032-2 | 6   |
| 8    | CHAIN, 10B-48PZ  | 099781   | 1   |

## 7.5 Leg Kits



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY      |  |
|------|--|----------|----------|--|
|      | <b>LEG KIT, CTD SHORT</b>                                    | 099554   | 1        |  |
| 1    | LEG, 7.6M REAR PTD   | 099279-1 | 2        |  |
| 2    | LEG, FRONT PTD   | 099415-1 | 2        |  |
| 3    | LEG, REAR PTD  | 099416-1 | 2        |  |
|      | <b>LEG KIT, CTD MEDIUM</b>                                   | 099568   | 1        |  |
| 4    | LEG, CTD5.4 MIDDLE PTD (1)                                   | 099573-1 | 2        |  |
| 5    | LEG, CTD5.4 MIDDLE PTD (2)                                   | 099574-1 | 2        |  |
| 6    | LEG, CTD5.4 REAR PTD   | 099575-1 | 2        |  |
| 7    | LEG, CTD5.4 FRONT PTD  | 099576-1 | 2        |  |
|      | <b>LEG KIT, CTD LONG</b>                                     | 099553   | 1        |  |
| 8    | LEG, CTD7.2 MIDDLE PTD (1)                                   | 099277-1 | 2        |  |
| 9    | LEG, CTD7.2 MIDDLE PTD (2)                                   | 099278-1 | 2        |  |
| 10   | LEG, CTD7.2 MIDDLE PTD (3)                                   | 099562-1 | 2        |  |
| 11   | LEG, CTD7.2 REAR PTD   | 099564-1 | 2        |  |
| 12   | LEG, CTD7.2 FRONT PTD  | 099566-1 | 2        |  |
| 13   | <b>BOLT, M10x30-5.8 HEX HEAD FULL THREAD ZINC</b>            | F81003-2 | 24/32/40 |  |
| 14   | <b>WASHER, 10.5 FLAT ZINC</b>                                | F81055-1 | 48/64/80 |  |
| 15   | <b>NUT, M10-8-B HEX NYLON ZINC LOCK</b>                      | F81033-1 | 24/32/40 |  |

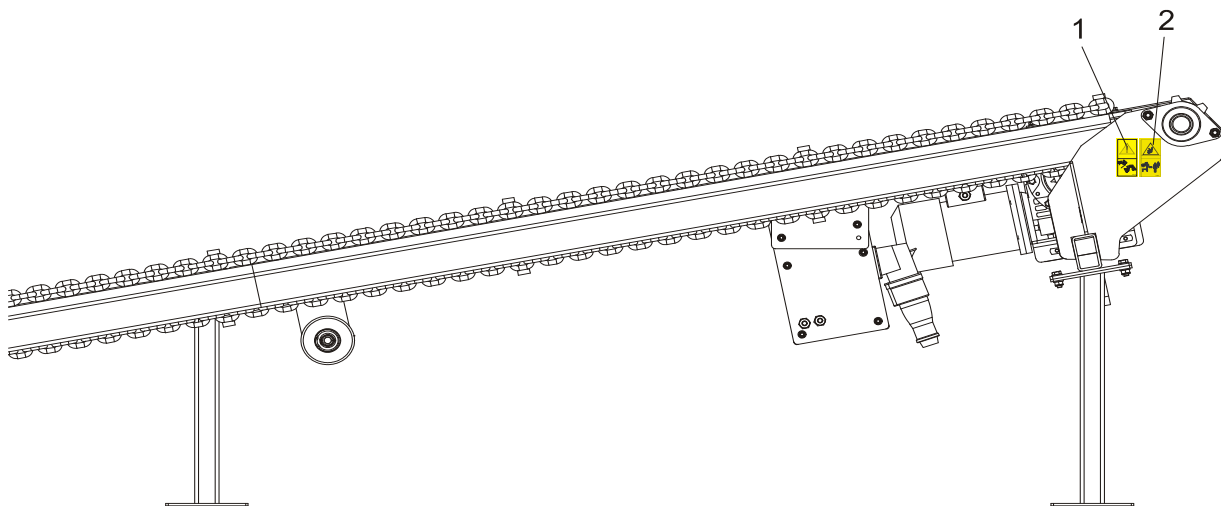
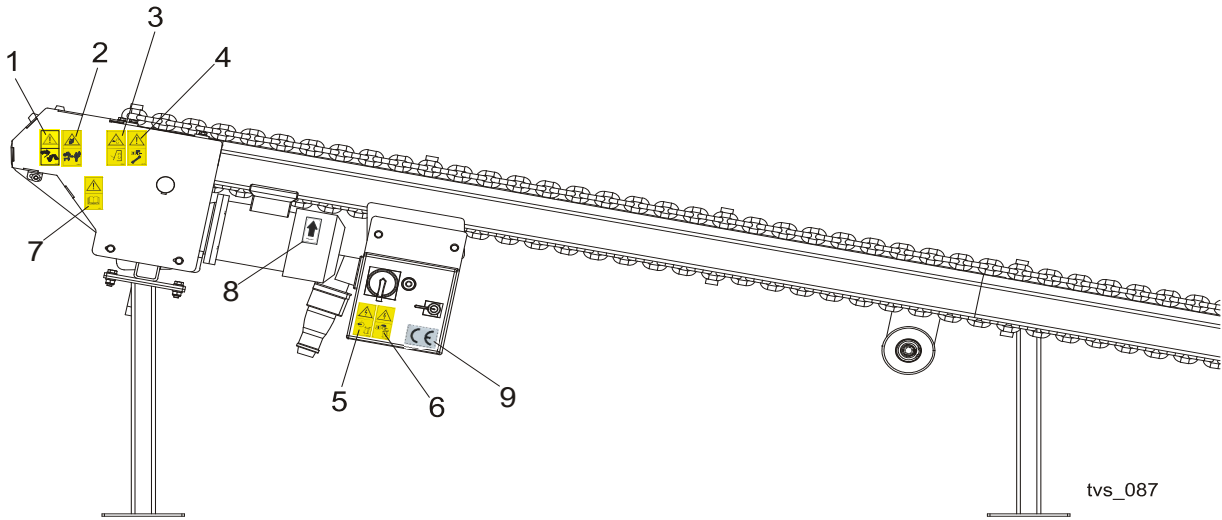
**7.6 Slabs Table**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART #   | QTY |
|------|--|----------|-----|
| 1    | TABLE, SLPCTD HIGH   | 100517-1 | 1   |
| 2    | ARM, TABLE LOCK  | 100531-1 | 2   |
| 3    | BOLT, M10X30-5.8 HEX HEAD FULL THREAD                        | F81003-2 | 8   |
| 4    | NUT, M10-8-B NYLON HEX ZINC LOCK                             | F81033-1 | 16  |
| 5    | WASHER, 10.5 FLAT ZINC                                       | F81055-1 | 8   |
| 6    | BOLT, M8X65 8.8 HEX HEAD ZINC                                | F81002-9 | 2   |
| 7    | NUT, M8-8-B HEX ZINC   | F81032-1 | 2   |
| 8    | WASHER, 8.4 FLAT ZINC  | F81054-1 | 2   |



**7.7 Decals**



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)             | PART #  | QTY |
|------|--|---------|-----|
|      | <b>DECALS KIT, PICTOGRAMS, CROSS TRANSFER DECK</b>                       | 099835  | 1   |
| 1    | DECAL, LOOK OUT FOR THE FALLING SLABS (PICTOGRAM)                        | 099780  | 2   |
| 2    | DECAL, KEEP AWAY WARNING (PICTOGRAM)                                     | 099221  | 2   |
| 3    | DECAL, CLOSE ALL GUARDS AND COVERS BEFORE STARTING THE MACHINE           | 099220  | 1   |
| 4    | DECAL, DISCONNECT AND LOCK OUT POWER SUPPLY BEFORE SERVICING (PICTOGRAM) | 098177  | 1   |
| 5    | DECAL, HIGH VOLTAGE INSIDE THE ELECTRIC BOX (PICTOGRAM)                  | 096316  | 1   |
| 6    | DECAL, REMOVE THE PLUG BEFORE OPENING THE BOX (PICTOGRAM)                | 096319  | 1   |
| 7    | DECAL, READ OPERATOR'S MANUAL (PICTOGRAM)                                | 096317  | 1   |
| 8    | DECAL, 1400 RPM MOTOR DIRECTION  | S20097H | 1   |
| 9    | <b>DECAL, CE- CERTIFIED SAWMILL</b>                                      | P85070  | 1   |