

Wood-Mizer[®] Sawmill

Parts Manual

LT20 Series AH
LT20 Series DH

rev. B2.00
rev. B2.00



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

April 2003

Form #620

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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.

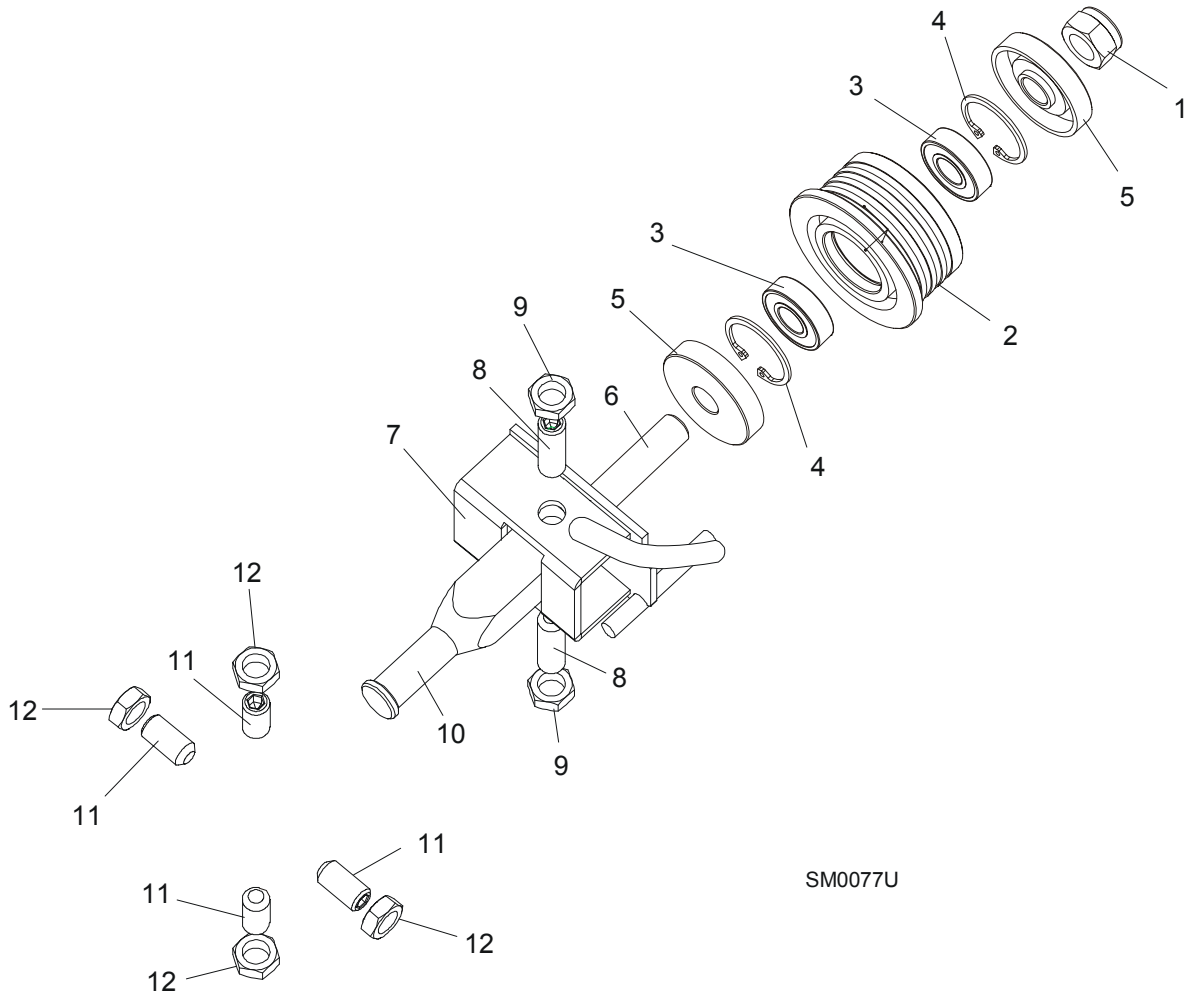
| 1.2 Sample Assembly | | | | |
|----------------------------|---|-----------|------|---|
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
| | Sample Assembly, Complete (Includes All Indented Parts Below) | A01111 | 1 | |
| 1 | Sample Part | F02222-22 | 1 | |
| | 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 **1-800-448-7881**. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

SECTION 2 BLADE GUIDE ROLLERS & ARM

2.1 Blade Guide Assembly, Idle Side



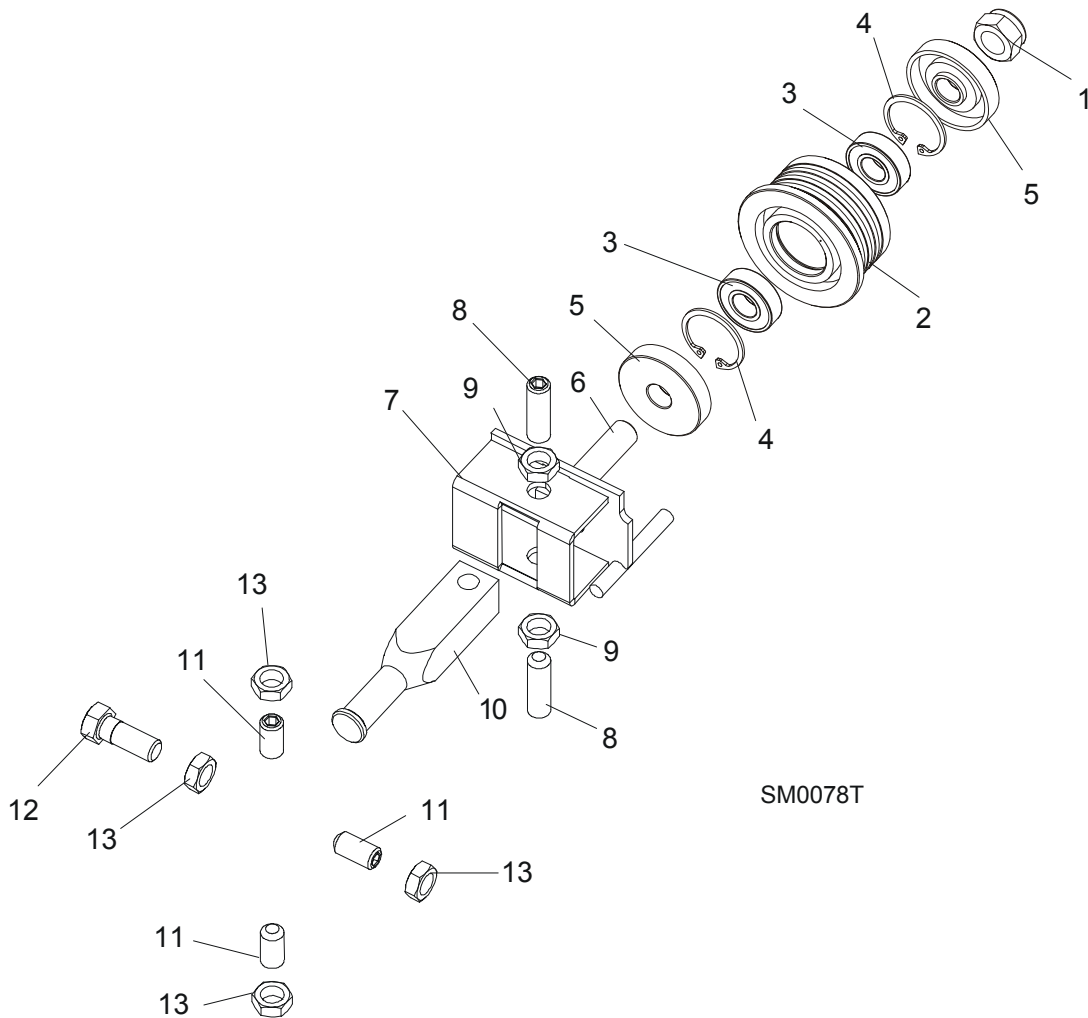
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| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|----------|------|---|
| | BLADE GUIDE ASSEMBLY, IDLE SIDE | 094683 | 1 | |
| | Roller, Blade Guide Complete Standard | 087887 | 1 | |
| 1 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 1 | |
| 2 | Roller, Blade Guide Narrow | 087889 | 1 | ◆ |
| 3 | Bearing, 6001 2RSR FAG | 087893 | 2 | |
| 4 | Ring, W28 Inside Retaining | F81090-9 | 1 | |
| 5 | Washer, Zinc-plated Spacer | 087891-1 | 2 | |
| 6 | Shaft, Blade Guide Roller Zinc-plated | 087763-1 | 1 | |
| 7 | Bracket Weldment, Idle Side Blade Guide Painted | 094681-1 | 1 | |
| 8 | Screw, M10x1x40 DIN 913 A2-70 Set Stainless Steel | F81015-2 | 2 | |

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

| | | | | |
|----|--|-----------|---|--|
| 9 | Nut, M10x1-04-ST-A2 ISO 8675 Thin | F81033-10 | 2 | |
| 10 | Shaft, Blade Guide Mount Zinc-plated | 088255-1 | 1 | |
| 11 | SCREW, M10X1X20 DIN 913 SET STAINLESS STEEL | F81015-1 | 4 | |
| 12 | NUT, M10x1-04-ST-A2 ISO 8675 THIN | F81033-10 | 4 | |

2.2 Blade Guide Assembly, Drive Side

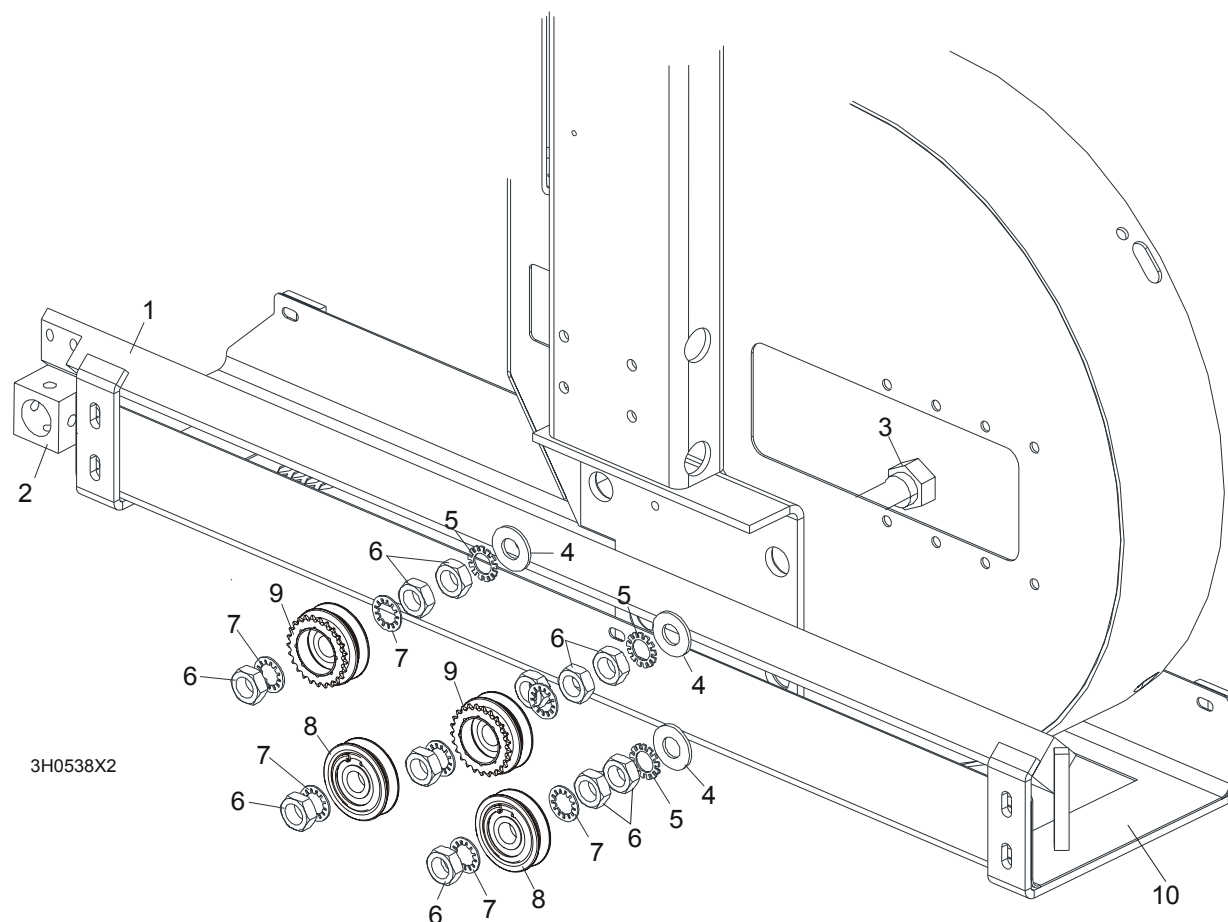


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|---|-----------|------|---|
| | BLADE GUIDE ASSEMBLY, DRIVE SIDE | 094682 | 1 | |
| | Roller, Blade Guide Complete Standard | 087887 | 1 | |
| 1 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 1 | |
| 2 | Roller, Blade Guide Narrow | 087889 | 1 | ◆ |
| 3 | Bearing, 6001 2RSR FAG | 087893 | 2 | |
| 4 | Ring, W28 Inside Retaining | F81090-9 | 1 | |
| 5 | Washer, Zinc-plated Spacer | 087891-1 | 2 | |
| 6 | Shaft, Blade Guide Roller Zinc-plated | 087763-1 | 1 | |
| 7 | Bracket Weldment, Blade Guide Painted | 094679-1 | 1 | |
| | Screw Kit, Blade Guide Adjustment w/Nuts (for two blade guide assemblies) | K09942 | 1 | |
| 8 | Screw, M10x1x40 DIN 913 A2-70 Set Stainless Steel | F81015-2 | 2 | |
| 9 | Nut, M10x1-04-ST-A2 ISO 8675 Thin | F81033-10 | 2 | |

2**Blade Guide Rollers & Arm***Blade Guide Assembly, Drive Side*

| | | | | |
|-----------|--|-----------|---|--|
| 10 | Shaft, Blade Guide Mount Zinc-plated | 088255-1 | 1 | |
| 11 | SCREW, M10X1X20 DIN 913 SET STAINLESS STEEL | F81015-1 | 3 | |
| 12 | BOLT, M10X1X25 DIN 933 STAINLESS STEEL | F81003-28 | 1 | |
| 13 | NUT, M10x1-04-ST-A2 ISO 8675 THIN | F81033-10 | 4 | |

2.3 Zespół ramienia prowadnika piły



| L.P. | OPIS (♦ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. |
|------|--|------------|------|
| 1 | RAMIE PROWADNIKA PIŁY | 087018-1 | 1 |
| 2 | Uchwyt rolki prowadnika piły | 088292-1 | 1 |
| 3 | ŚRUBA MOCUJĄCA ROLKI PROWADNIKA PIŁY | 086508-1 | 4 |
| 4 | PODKŁADKA PŁASKA 17 | F81058-1 | 4 |
| 5 | PODKŁADKA ZĄBKOWANA ZEWNĘTRZNIE 5/8" | F05011-26 | 4 |
| 6 | PRZECIWNAKRĘTKA 5/8-18 | F05010-11 | 12 |
| 7 | PODKŁADKA ZĄBKOWANA WEWNĘTRZNI 5/8" | F05011-25 | 8 |
| 8 | ZESPÓŁ ROLEK RAMIENIA PROWADNIKA PIŁY Z ŁOŻYSKIEM | A09059 | 2 |
| 9 | ZESPÓŁ ROLEK RAMIENIA PROWADNIKA PIŁY Z ŁOŻYSKIEM I ZĘBATKĄ | A09932 | 2 |
| 10 | OSŁONA PIŁY SPAW/MAL | 087042-1 | 1 |

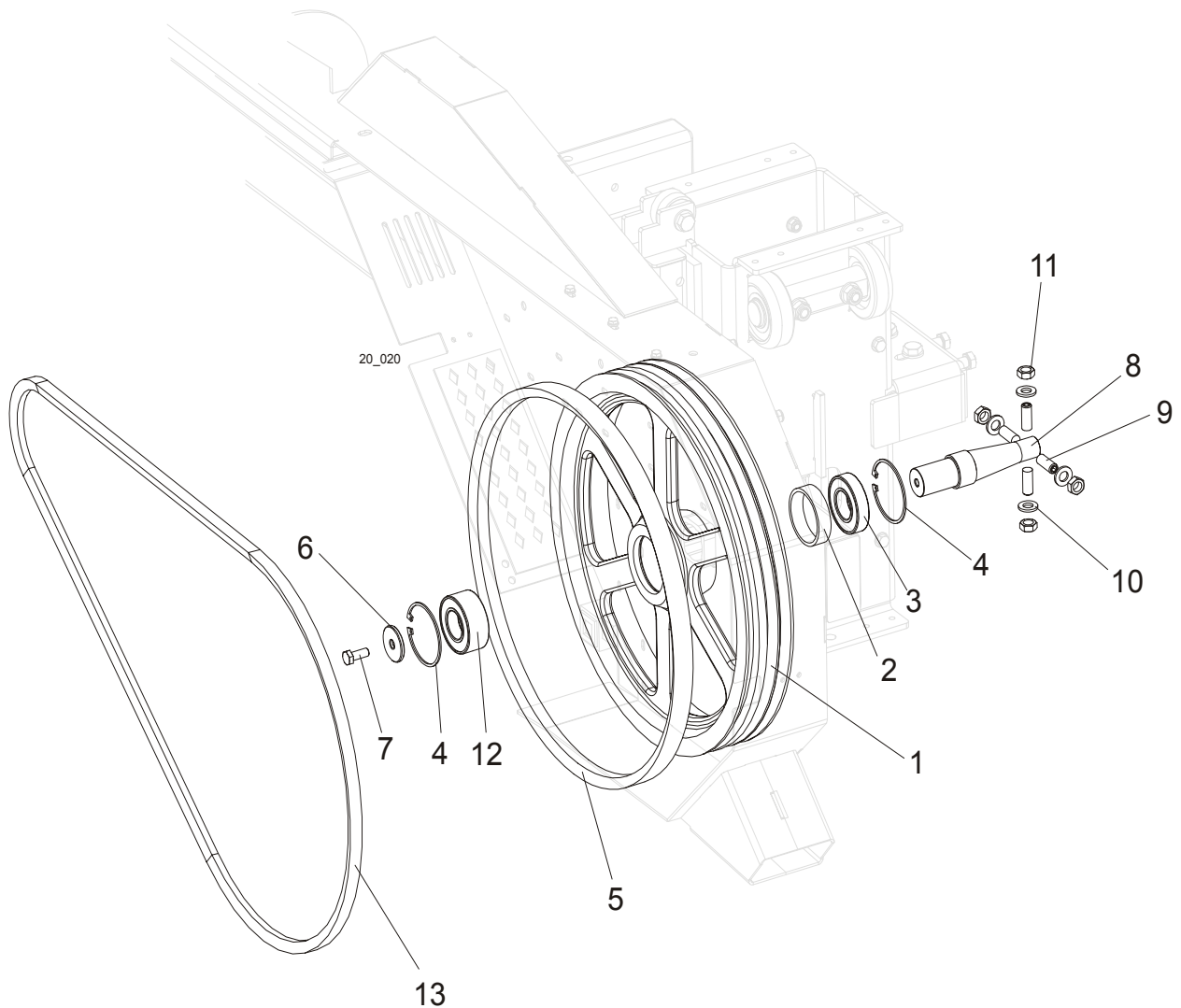
2.4 Zespół napędu ramienia prowadnika piły

| L.P. | OPIS (♦ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. | |
|------|---|------------|--------|--|
| 1 | ŁAŃCUCH #25 X 20 1/4 | P09984 | 1 | |
| 2 | ZAPINKA DO ŁAŃCUCHA | P09983 | 1 | |
| 3 | ŚRUBA Z ŁBEM SZEŚCIOKĄTNYM 5/16-18 X 2 3/4" GR 5 | F05006-28 | 4 | |
| 4 | PODKŁADKA PŁASKA 8.4 | F81054-1 | 4 | |
| 5 | RURA NEOPRENOWA 3/8" X 1/2" | R01897 | 0,75 m | |
| 6 | OPASKA 1/4" X 6" | F05089-1 | 2 | |
| | ZESPÓŁ NAPĘDOWY RAMIENIA PROWADNIKA PIŁY | 091005 | 1 | |
| | Silnik posuwu prowadnika | A10365 | 1 | |
| 7 | Silnik z przekładnią 53:1 | P09698-1 | 1 | |
| | Obudowa silniczka Klauber | P12756 | 1 | |
| | Zespół kół zębatych silniczka posuwu rolki | P12569 | 1 | |
| | Zespół szczotki ze sprężyną | P12800 | 1 | |

| | | | | |
|----|---|------------|---|--|
| | Silnik posuwu prowadnika | 009695 | 1 | |
| 8 | Złączka do przewodów | F04875-1 | 2 | |
| 9 | Sworzeń 1/8" x 3/4" | F05012-6 | 1 | |
| 10 | Zębatka posuwu rolki #25, 14-zębów | P09970 | 1 | |
| 11 | Śruba sześciokątna, #10-32 x 1/2" | F05004-60 | 4 | |
| 12 | Podkładka sprężysta 5,1 Fe/Zn5 PN-M/82008 | F81052-2 | 4 | |
| | Arkusze instrukcyjny | A10353-296 | 1 | |
| 13 | Wspornik mocowania silnika ramienia prowadnika piły | 087994-1 | 1 | |
| 14 | Rolka łańcucha ramienia prowadnika piły | S09999 | 1 | |
| 15 | Śruba M8x90-8.8-Fe/Zn5 PN-M/82105 | F81002-16 | 1 | |
| 16 | Podkładka dystansowa 5/16" I.D. x 1 1/2" | S09996 | 1 | |
| 17 | Podkładka sprężysta, 8.2 | F81054-1 | 3 | |
| 18 | Podkładka sprężysta, 8.2 | F81054-4 | 1 | |
| 19 | Nakrętka M8-8-B-Fe/Zn5 PN-M/82144 | F81032-1 | 1 | |
| 20 | Nakładka gumowa | 023720 | 1 | |
| 21 | OSŁONA SILNIKA RAMIENIA PROWADNIKA PIŁY | S11617 | 1 | |

SECTION 3 BLADE WHEELS & TENSIONER

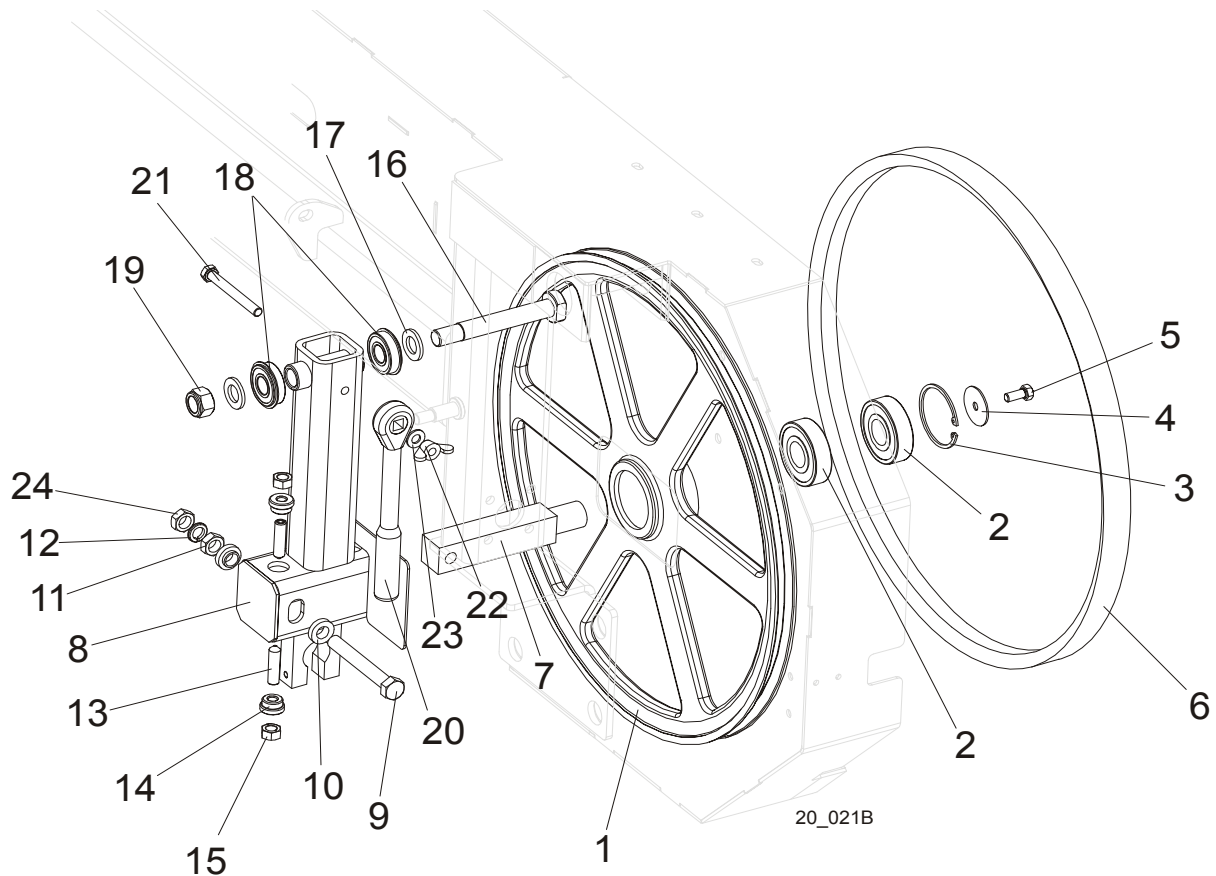
3.1 Blade Wheel Assembly, Drive Side



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | WHEEL ASSEMBLY, DRIVE SIDE BLADE | 091612 | 1 |
| 1 | Wheel, LT20 Drive Side Blade | 090646-1 | 1 |
| 2 | Spacer | 092007 | 1 |
| 3 | Bearing, 6207 2RS 35x72x17 FAG | 014811 | 1 |
| 4 | Ring, 72mm OD N5002-281 Retaining | F04254-30 | 2 |
| 5 | Belt, B57 Blade Wheel | P04185 | 1 |
| 6 | Washer, Drive Side Blade Wheel | 092006 | 1 |
| 7 | Bolt, M10x25-8.8 Hex Head Full Thread Zinc | F81003-11 | 1 |
| 8 | Shaft, LT15 Drive Side Blade Wheel | 086690 | 1 |
| 9 | Screw, M12x1,25x30 DIN913 Set | F81016-1 | 4 |
| 10 | Washer, 13 Flat Zinc | F81056-1 | 4 |

| | | | | |
|-----------|---|---|---------------|--|
| 11 | Nut, M12x1,25 DIN439 Thin Stainless Steel | F81034-9 | 4 | |
| 12 | Bearing, 3207B, 2RSR. TVH FAQ | 092005 | 1 | |
| 13 | Drive Belt, BX81, AC Sawmills (E11/E15) Drive Belt, BX83, DC Sawmills (G13 & G15) Drive Belt, 2BX84, DC Sawmills (D17, D22 & G18) | 014819 (AC) 088110 (DC) 092697 (DC) | 1/2 1 1 | |

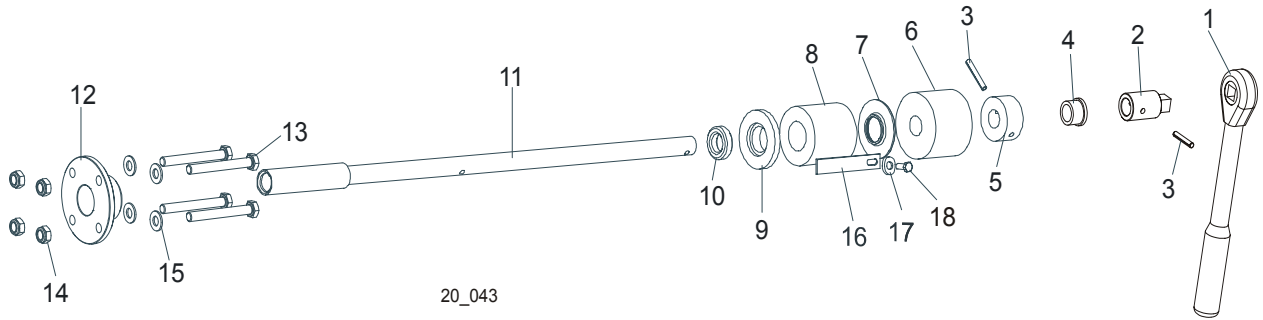
3.2 Blade Wheel Assembly, Idle Side



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | WHEEL ASSEMBLY, IDLE SIDE BLADE | A08218 | 1 |
| 1 | Sheave, 18.62" Idler | P08125 | 1 |
| 2 | Bearing, 6305 2RS NSK | P08066 | 2 |
| 3 | Ring, 2 7/16" Inside Retaining | F04254-21 | 1 |
| 4 | WASHER, WHEEL RETAINING ZINC-PLATED | 093854-1 | 1 |
| 5 | BOLT, 5/16-18 X 3/4" HEX HEAD GRADE 2 | F05006-5 | 1 |
| 6 | BELT, B57 BLADE WHEEL | P04185 | 1 |
| 7 | SHAFT, IDLE SIDE WHEEL METRIC | 096045 | 1 |
| 8 | HOUSING, IDLER SHAFT | 091595 | 1 |
| 9 | BOLT, M12X1.25X100-8.8 HEX HEAD FULL THREAD ZINC | F81004-41 | 1 |
| 10 | SPACER, FLANGED ZINC-PLATED | 086769-1 | 2 |
| 11 | NUT, M12 X 1.25-8 HEX ZINC | F81034-8 | 1 |
| 12 | WASHER, 12.2 SPLIT ZINC LOCK | F81056-2 | 1 |
| 13 | SCREW, M10 X 40-45H HEX SOCKET SET CONE POINT ZINC | F81003-61 | 2 |
| 14 | BUSHING, M10 IDLER SHAFT HOUSING | 086987 | 2 |
| 15 | NUT, M10-8-B HEX ZINC | F81033-3 | 2 |
| 16 | PIN, IDLER ARM BEARINGS | 086404 | 1 |
| 17 | WASHER, 17 FLAT ZINC | F81058-1 | 2 |

| | | | | |
|----|--|-----------|---|--|
| 18 | BEARING, 6203-2RS NR NSK W/RING | 086395 | 2 | |
| 19 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 1 | |
| 20 | WRENCH, LT20 BLADE TENSION | 091620 | 1 | |
| 21 | BOLT, M10x90-8.8-B HEX HEAD ZINC | F81003-66 | 1 | |
| 22 | STUD, M10x25-8.8 ZINC-PLATED | F81003-8 | 1 | |
| 23 | WASHER, M10 FLAT ZINC | F81055-1 | 1 | |
| 24 | NUT, M12x1.25 DIN439 THIN STAINLES STEEL | F81034-9 | 1 | |

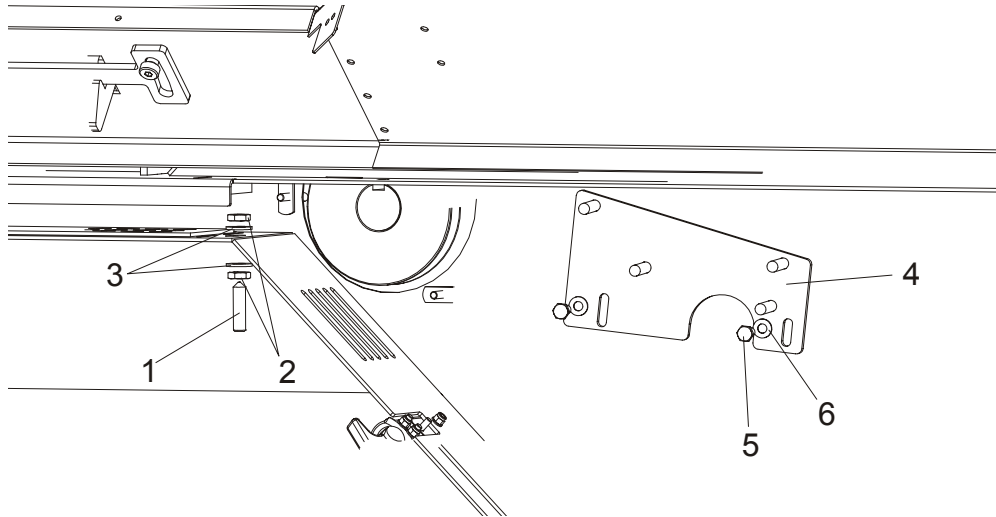
3.3 Blade Tensioner Assembly



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART# | QTY. |
|-----|--|-----------|------|
| | BLADE TENSIONER ASSEMBLY | 086680 | 1 |
| 1 | Wrench, LT20 Blade Tension | 091620 | 1 |
| 2 | End, LT20 Blade Tensioner Shaft | 091606-1 | 1 |
| 3 | Pin, 5 x 30 Zinc Roll | F81044-21 | 2 |
| 4 | Bushing, 5/8 ID Bronze | P05135 | 1 |
| 5 | Collar, Blade Tensioner | 086712-1 | 1 |
| 6 | Bushing, Rubber Stop | P12165 | 1 |
| 7 | Guide, LT15 Tension Handle | 014925 | 1 |
| 8 | Spring, LT15 Rubber Blade Tensioner | 014828 | 1 |
| 9 | Washer, Rubber Spring Front | 086674-1 | 1 |
| 10 | Bearing, 51103 FLT Ball Thrust | 086675 | 1 |
| 11 | Shaft Weldment, Blade Tensioner Zinc-plated | 086669-1 | 1 |
| 12 | Nut, Blade Tensioner | 086672-1 | 1 |
| 13 | Bolt, M8x70 8.8 Hex Head Zinc | F81002-71 | 4 |
| 14 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 4 |
| 15 | Washer, 8.4 Zinc Flat | F81054-1 | 8 |
| 16 | Indicator, LT15 Blade Tension Zinc-plated | 086783-1 | 1 |
| 17 | Washer, 6.4 Zinc Flat | F81053-1 | 1 |
| 18 | Bolt, M6x16 8.8 Hex Head Full Thread Zinc | F81001-15 | 1 |

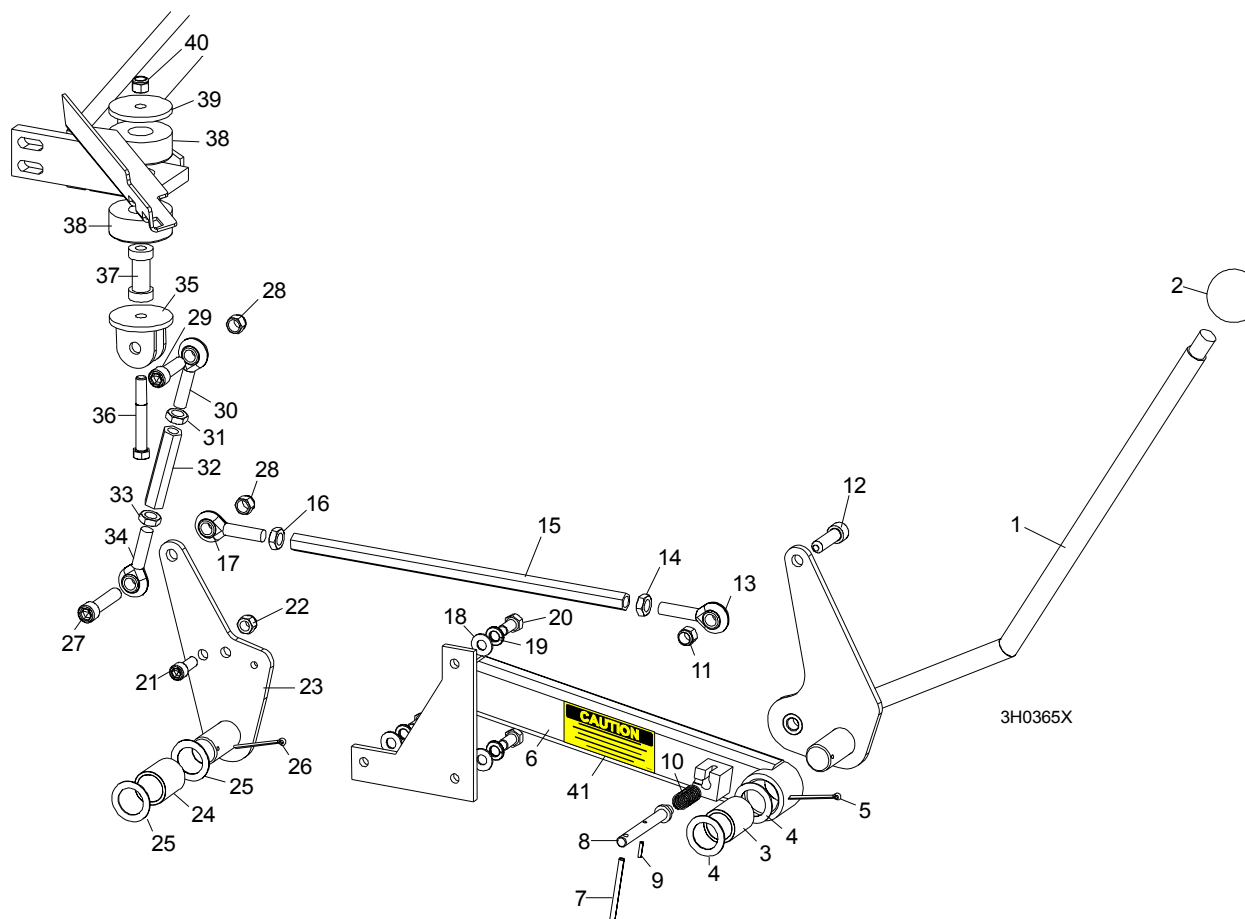
SECTION 4 SAW HEAD

4.1 Middle Throat Screw



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

4.2 Zespół dźwigni sprzęgła

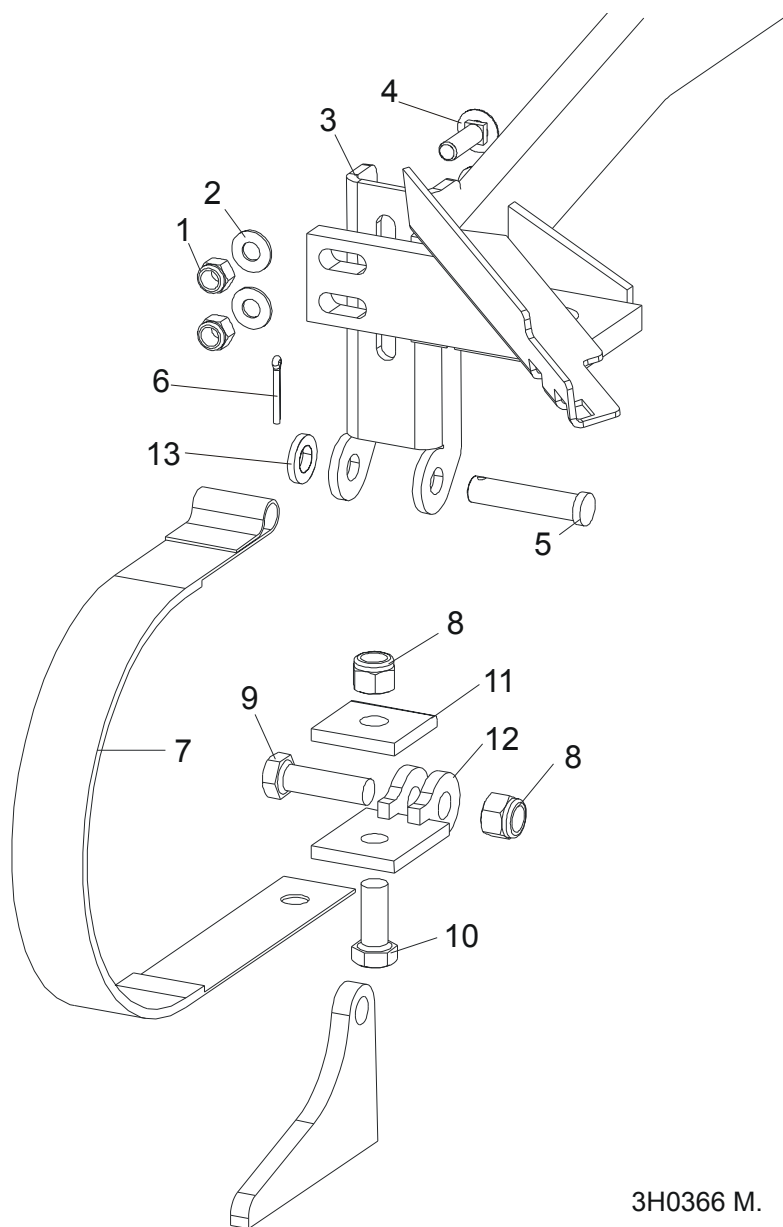


| L.P. | OPIS (◆ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. | |
|------|--|---------------------|------|---|
| | ZESPÓŁ DŹWIGNI SPRZĘGŁA/HAMULCA, WYDŁUŻONY | 086242 | 1 | |
| 1 | Dźwignia sprzęgła/hamulca | 086339-1 | 1 | ◆ |
| 2 | Gałka okrągła ze sztucznego tworzywa | 086337 | 1 | |
| 3 | Tulejka dźwigni sprzęgła/hamulca | P05041 | 1 | |
| 4 | Podkładka czopu Sprz/Hamul. SR.26/39 GR:1.5 | 087051-1 | 2 | |
| 5 | Zawlecza, 1/8" x 1 3/4" | F05012-43 | 1 | |
| 6 | Przedłużenie sprzęgła | 086244-1 | 1 | |
| 7 | Sworzeń okrągły 3/16 x 2 1/2 | F05012-27 | 1 | |
| 8 | Sworzeń zabezpieczający dźwignię sprzęgła | 086243 ¹ | 1 | ◆ |
| 9 | Sworzeń okrągły 1/8" x 9/16" | F05012-30 | 1 | |
| 10 | Sprężyna, .58" OD x 1 1/8" | 021243 | 1 | |
| 11 | Przeciwnakrętka sześciokątna z wkładką poliamidową 7/16-20 | F05010-83 | 1 | |
| 12 | Śruba z łbem gniazdowym 7/16-20 x 1 1/2" | F05007-55 | 1 | |
| 13 | Końcówka pręta z gwintem lewym 7/16-20 | P11578 | 1 | |
| 14 | Przeciwnakrętka sześciokątna z gwintem lewym 7/16-20 | F05010-87 | 1 | |
| 15 | Pręt przedłużający sprzęgła | 015073 | 1 | |
| 16 | Przeciwnakrętka sześciokątna 7/16-20 | F05010-38 | 1 | |

| | | | | |
|----|---|------------|---|--|
| 17 | Końcówka pręta z gwintem prawym 7/16-20 | P11579 | 1 | |
| 18 | PODKŁADKA OKRĄGŁA 8,4-FE/ZN5 PN-M/82005 | F81054-1 | 3 | |
| 19 | PODKŁADKA SPRĘŻ 8,2 FE/ZN9 PN-M/82008 | F81054-4 | 3 | |
| 20 | ŚRUBA M8X20-8.8-B-FE/ZN5 PN-M/82105 | F81002-4 | 3 | |
| 21 | ŚRUBA Z ŁBEM GNIAZDOWYM M10 X 25 | F81003-32 | 1 | |
| 22 | NAKRĘTKA Z WKŁADKĄ M10-8-B -FE/ZN PN-M82175 | F81033-1 | 1 | |
| 23 | PŁYTKA DŹWIGNI SPRZĘGŁA | 087086-1 | 1 | |
| 24 | TULEJA OBROTOWA DŹWIGNI SPRZĘGŁA/HAMULCA | P05041 | 1 | |
| 25 | PODKŁADKA CZOPU SPRZ/HAMUL. SR.26/39 GR:1.5 | 087051-1 | 2 | |
| 26 | ZAWLECZKA ZABEZPIEZAJĄCA 1/8" X 1 3/4" | F05012-43 | 1 | |
| 27 | ŚRUBA Z ŁBEM GNIAZDOWYM 7/16-20 X 2" | F05007-120 | 1 | |
| 28 | NAKRĘTKA SZEŚCIOKĄTNA Z WKŁADKĄ POLIAMIDOWĄ 7/16-20 | F05010-83 | 2 | |
| 29 | ŚRUBA Z ŁBEM GNIAZDOWYM 7/16-20 X 2" | F05007-120 | 1 | |
| | ZESPÓŁ ŚCIĄGACZA DŹWIGNI SPRZĘGŁA/HAMULCA | A12304 | 1 | |
| 30 | Końcówka pręta 7/16-20, gwint prawy | P11579 | 1 | |
| 31 | Przeciwnakrętka 7/16-20, gwint prawy | F05010-38 | 1 | |
| 32 | Ściągacz 3" dźwigni sprzęgła/hamulca | S11577 | 1 | |
| 33 | Przeciwnakrętka 7/16-20, gwint lewy | F05010-87 | 1 | |
| 34 | Końcówka pręta 7/16-20, gwint lewy | P11578 | 1 | |
| 35 | WSPORNIK MOCUJĄCY DŹWIGNIC | W12411-1 | 1 | |
| 36 | ŚRUBA M10X70-8.8-FE/ZN5 PN-M/82105 | F81003-20 | 1 | |
| 37 | TULEJA DYSTANSOWA MOCOWANIA SILNIKA | S12410 | 1 | |
| 38 | TULEJA TŁUMIĄCA DRGANIA SILNIKA | P05032 | 2 | |
| 39 | PODKŁADKA GRUBA 3/8" I.D. X 2 1/4" O.D. X 3/16" | S12412-0 | 1 | |
| 40 | NAKRĘTKA SAMOZABEZPIEZAJĄCA Z WKŁADKĄ POLIAMIDOWĄ 3/8-16 | F05010-10 | 1 | |
| 41 | NALEPKA UŻYCIE ZAPADKI | 085089 | 1 | |

¹ Usunięto zawleczkę z traków . Zawlecзка powinna być usunięta z traków wcześniejszych by zapobiec uszkodzeniu poprzez niewłaściwe użycie zawlecзки (na przykład, użycie zawlecзки w celu umożliwienia obrócenia piły ręką). Patrz biuletyn #970053LR, gdzie umieszczono instrukcję usunięcia zawlecзки.

4.3 Zespół hamulca



3H0366 M.

| L.P. | OPIS (♦ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. |
|------|--|------------|------|
| | ZESTAW MODERNIZACYNY TAŚMY HAMULCA SUPER | 014441 | 1 |
| 1 | Nakrętka sześciokątna samozabezpieczająca z wkładką poliamidową 3/8-16 | F05010-10 | 2 |
| 2 | Podkładka płaska 10.5 | F81055-1 | 2 |
| 3 | Górny wspornik mocowania taśmy hamulca Super Brake Strap Mount | 014395 | 1 |
| 4 | Śruba z łbem półkulistym 3/8-16 x 1 1/4" | F05007-127 | 2 |
| 5 | Sworzeń z łbem walcowym 1/2" x 2 1/4" Clevis | F05012-81 | 1 |
| 6 | Zawlecza 1/8" x 1" | F05012-1 | 1 |
| 7 | Metalowa taśma hamulca | 014391 | 1 |
| 8 | Nakrętka z wkładką, M12-8 Fe/Zn5 PN-M/82175 | F81034-2 | 2 |

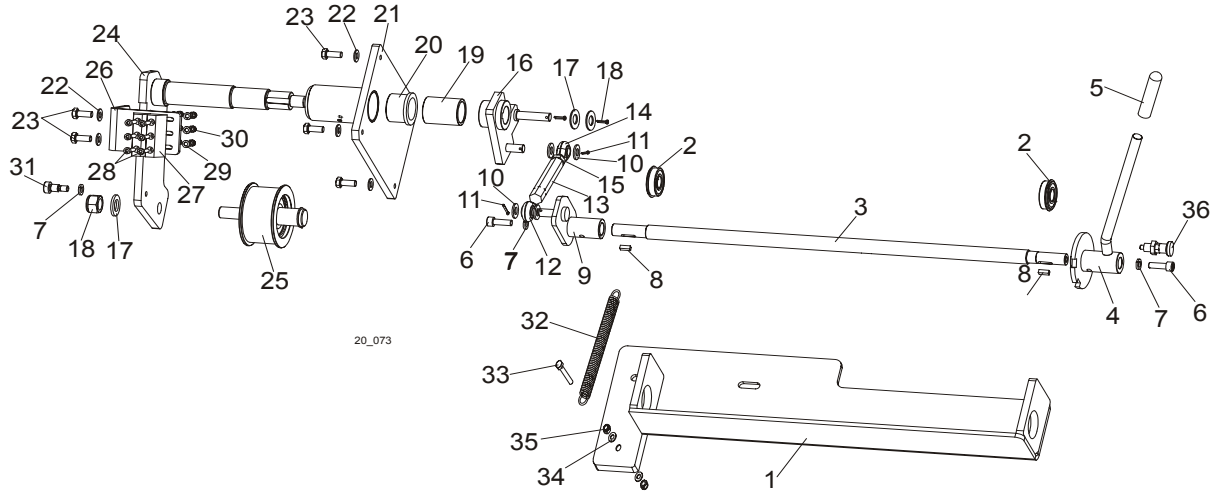
| | | | | |
|----|--|-----------|---|--|
| 9 | Śruba, M12x40-8.8-Fe/Zn5 PN-M/82105 | F81004-4 | 1 | |
| 10 | Śruba z łbem sześciokątnym, M12 x 30 - 8.8 | F81004-22 | 1 | |
| 11 | Płytko - Podkładka taśmy hamulca | S04195-1 | 1 | |
| 12 | Płytko mocująca taśmę hamulca | 014392 | 1 | |
| 13 | Podkładka okrągła 13 Fe/Zn5 PN-78/M-82005 | F81056-1 | 1 | |

4

Saw Head

Drive Belt Tensioner, DC Sawmills

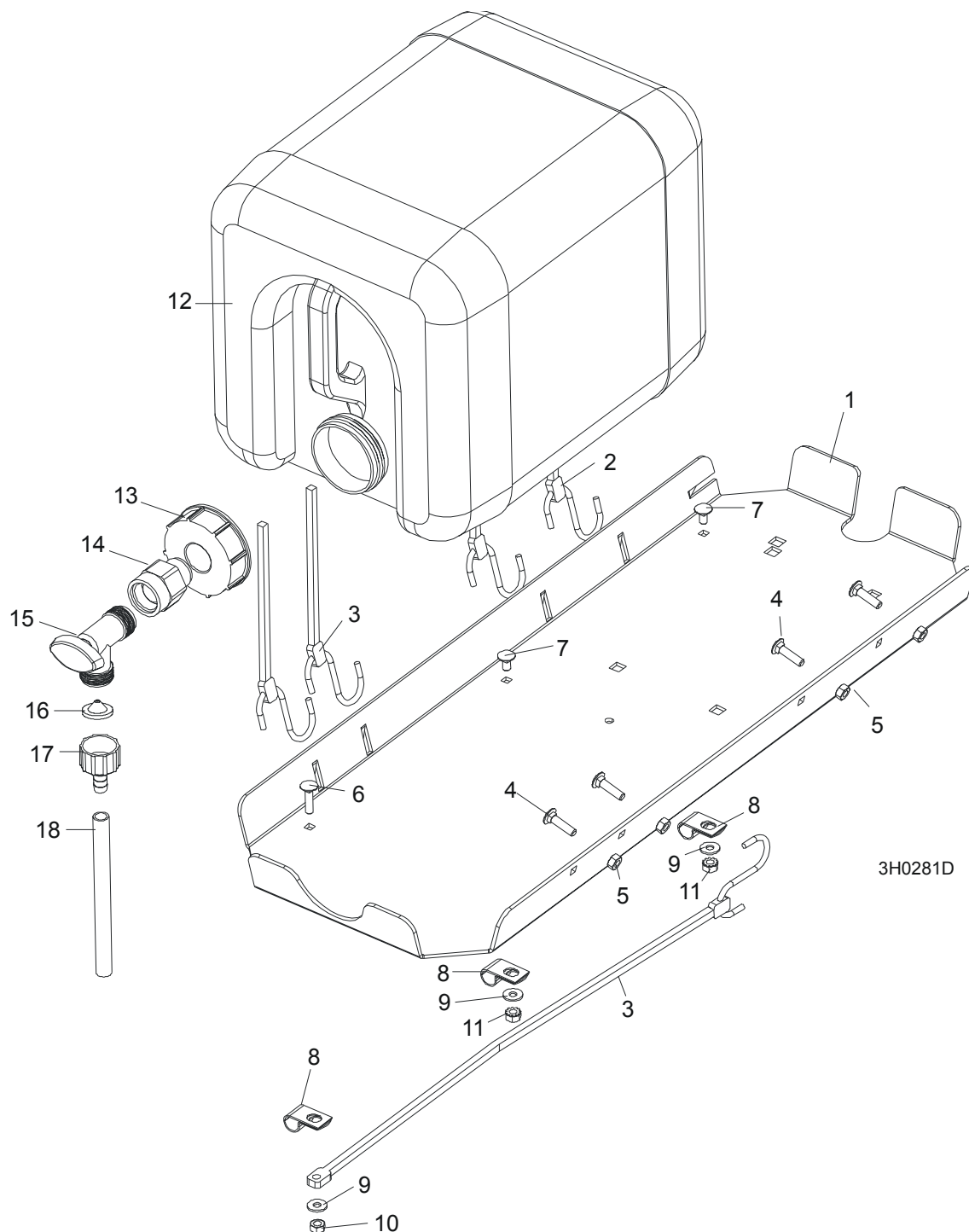
4.4 Drive Belt Tensioner, DC Sawmills



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | BELT TENSIONER, LT20 COMPLETE | 091170 | 1 |
| 1 | Mount Weldment, Belt Tensioner Ptd | 091169-1 | 1 |
| 2 | Bearing, 6203-2RS NR NSK w/Ring | 086395 | 2 |
| 3 | Rod, LT20 Belt Tensioner Ptd | 091176-1 | 1 |
| 4 | Handle Weldment, Belt Tensioner Ptd | 087645-1 | 1 |
| 5 | Grip, Handle 1/2" ID x 3" Long | 014835 | 1 |
| 6 | Screw, M8x25 -8.8 Hex Socket Head Cap Zinc | F81002-21 | 2 |
| 7 | Washer, 8.2 Split Lock Zinc | F81054-4 | 3 |
| 8 | Key, B 5x5.1x14 Parallel | 087365 | 2 |
| 9 | Bracket, Belt Tensioner Pivot | 091245-1 | 1 |
| 10 | Washer, 10.5 Zinc Flat | F81055-1 | 4 |
| 11 | Pin, 2.5x20 Zinc Cotter | F81043-1 | 2 |
| 12 | Rod End, 7/16-20 Right-Hand Male | P11579 | 1 |
| 13 | Turnbuckle, Clutch/Brake | S11577 | 1 |
| 14 | Rod End, 7/16-20 Left-Hand Male | P11578 | 1 |
| 15 | Nut, 7/16-20 Zinc | F05010-38 | 1 |
| 16 | Arm Weldment, Belt Tensioner Ptd | 091172-1 | 1 |
| 17 | Washer, 17 Zinc Flat | F81058-1 | 2 |
| 18 | Nut, M16-8 Hex Nylon Zinc Lock | F81036-2 | 2 |
| 19 | Bushing, Spacer Ptd | 091351-1 | 1 |
| 20 | Bushing, MFM-3240-30 (IGUS) | 088461 | 2 |
| 21 | Mount Weldment, Tensioner Shaft Ptd | 091112-1 | 1 |
| 22 | Washer, 8.4 Zinc Flat | F81054-1 | 7 |
| 23 | Bolt, M8x20-5.8 Hex Head Full Thread Zinc | F81002-1 | 6 |
| 24 | Shaft Weldment, Belt Tensioner Ptd | 091110-1 | 1 |
| 25 | Wheel, Belt Tension | 087673 | 1 |
| 26 | Bracket, Brake Block Mount Ptd | 091248-1 | 1 |

| | | | | |
|-----------|---|-----------|---|--|
| 27 | Block, F9150 123 Belt Tensioner Brake | 087648 | 2 | |
| 28 | Screw, M5x25-8.8 Hex Socket Head Cap Zinc | F81000-7 | 6 | |
| 29 | Washer, 5.3 Zinc Flat | F81052-1 | 6 | |
| 30 | Nut, M5-8 Zinc DIN 985 | F81030-2 | 6 | |
| 31 | Screw, M8x25-8.8 Hex Socket Head Cap Zinc | F81002-21 | 2 | |
| 32 | Spring, Hydraulic Log Turner | P09136 | 1 | |
| 33 | Bolt, M8x45-8.8 Hex Head Zinc | F81002-17 | 1 | |
| 34 | Washer, 8.4 Zinc Flat | F81054-1 | 2 | |
| 35 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 2 | |
| 36 | Pin, Detent | 090197 | 1 | |

4.5 Zespół zbiornika wody



| L.P. | OPIS (♦ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. | |
|------|--|------------|------|---|
| | ZESPÓŁ PODSTAWY ZBIORNIKA PALIWA/ZBIORNIKA WODY | A11685 | 1 | |
| 1 | Płyta pod zbiornik paliwa i wody | 090376-1 | 1 | ♦ |
| 2 | Gumowa taśma mocująca 24" | P11258 | 2 | |
| 3 | Gumowa taśma mocująca 20" | P11668 | 3 | |

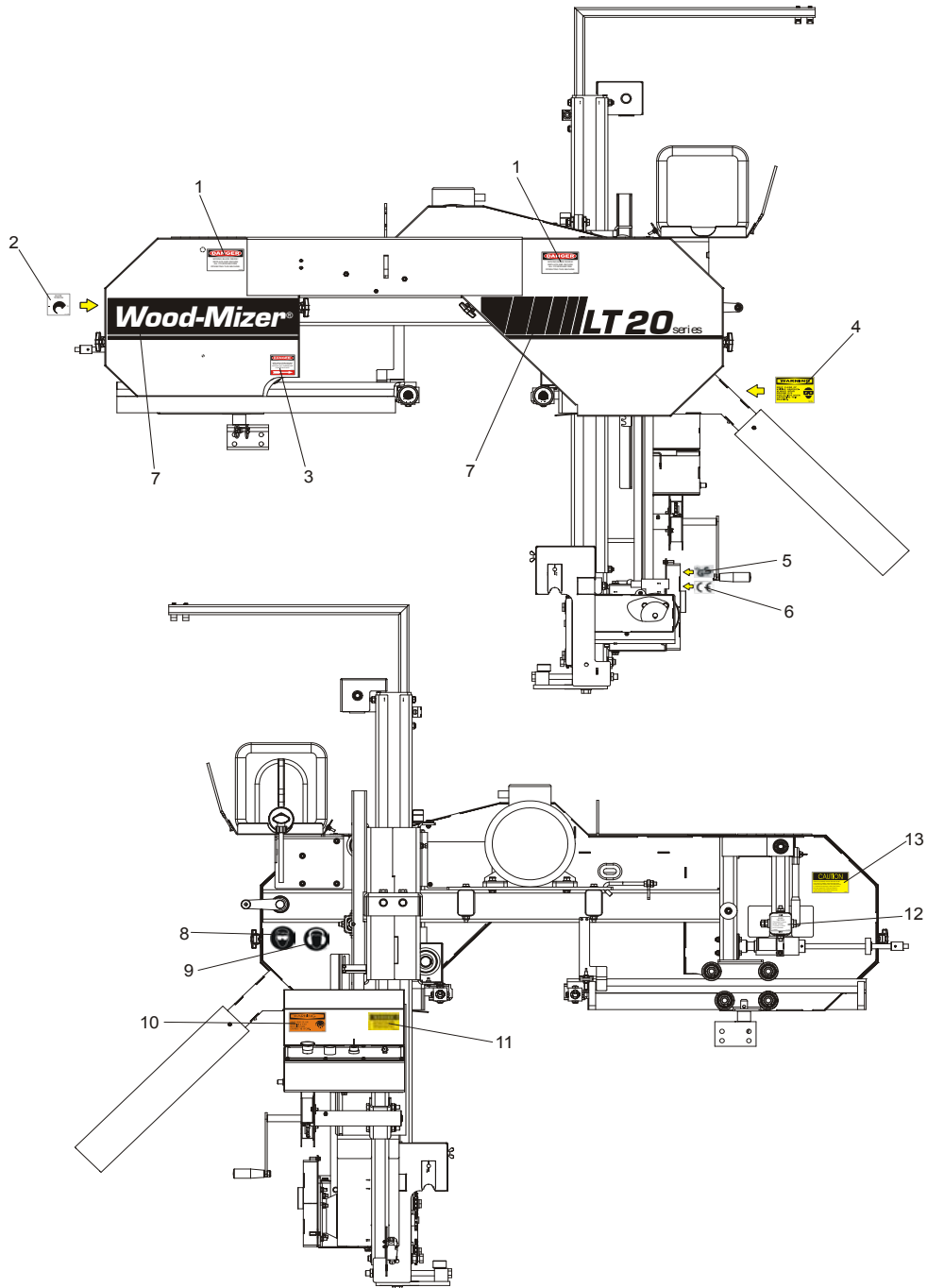
| | | | | |
|----|--|---------------------|-------|--|
| 4 | Śruba z łbem grzybkowym z podsadzeniem 1/4-20 x 1" | F05005-34 | 4 | |
| 5 | Nakrętka sześciokątna zamykająca 1/4-20 | F05010-21 | 4 | |
| 6 | ŚRUBA Z ŁBEM GRZYBKOWYM Z PODSADZENIEM 1/4-20 X 1" | F05005-34 | 1 | |
| 7 | ŚRUBA Z ŁBEM GRZYBKOWYM Z PODSADZENIEM 1/4-20 X 1/2" | F05005-33 | 2 | |
| 8 | ZACISK PRZEWODU, 1/2" EMT | P07584 | 3 | |
| 9 | PODKŁADKA 6,5 POW. FE/ZN5 PN-M/82030 | F81053-11 | 3 | |
| 10 | NAKRĘTKA SZEŚCIOKĄTNA SAMOZABEZPIECZAJĄCA, 1/4-20 | F05010-21 | 1 | |
| 11 | GUMOWA TAŚMA MOCUJĄCA 15" | P07461 | 1 | |
| 12 | NAKRĘTKA SAMOZABEZPIECZAJĄCA 1/4-20 CYNKOWANA | F05010-21 | 2 | |
| | ZESPÓŁ ZBIORNIKA WODY | 014642 | 1 | |
| 13 | Zbiornik wody 19 litrowy | 014637 | 1 | |
| 14 | Korek wlewu wody | 014773 | 1 | |
| 15 | ZŁĄCZKA 3/4FPT X 3/4MPT | 014636 | 1 | |
| 16 | ZAWÓR WYPLÝWU WODY | 014100 | 1 | |
| 17 | FILTR SYSTEMU ZWILŻANIA WODĄ | 016086 ¹ | 1 | |
| 18 | REDUKTOR Z 5/8" NA 3/8" | 014113 | 1 | |
| 19 | PRZEWÓD Z TWORZYWA SZTUCZNEGO DOPROWADZAJĄCY WODĘ DO PIŁY | R01885 | 2.1 m | |

¹ Proponuje się użycie filtra w modelach Super w celu zapobieżenia przedostawaniu się zanieczyszczeń do zaworu układu chłodzenia wodą.

4 Saw Head

Saw Head Decals

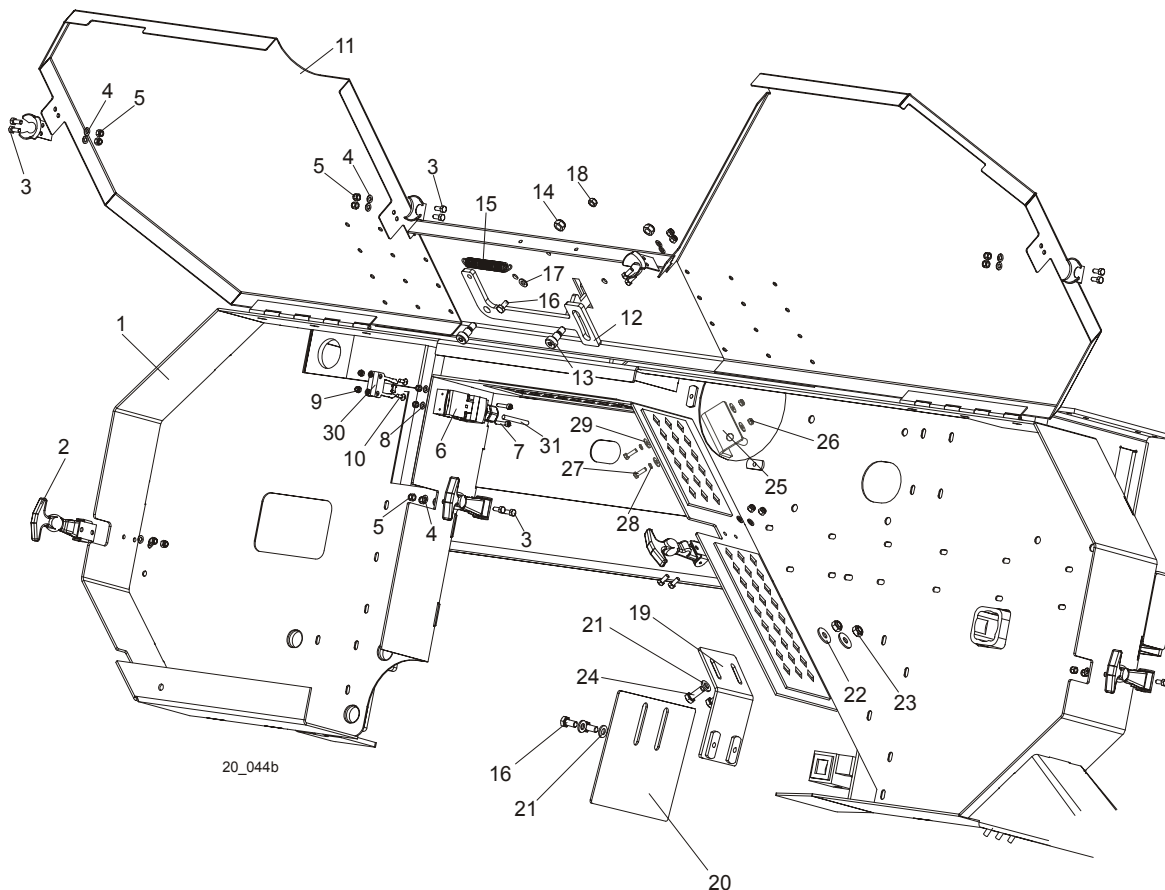
4.6 Saw Head Decals



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
| 1 | DECAL, BLADE COVER DANGER | S20039 | 2 |
| 2 | DECAL, BLADE TENSION SCREW | P11790 | 1 |
| 3 | DECAL, BLADE DANGER (W/RIGHT ARROW) | S11752 | 1 |
| 4 | DECAL, SAWDUST CHUTE CAUTION | P11754 | 1 |
| 5 | DECAL, CE CERTIFIED SAWMILL | P85071 | 1 |
| 6 | DECAL, GS SAFETY CERTIFICATION SMALL | P85072 | 1 |

| | | | | |
|----|--|--------|---|--|
| 7 | DECAL KIT, LT20 | 091480 | 1 | |
| 8 | DECAL, EYE PROTECTION (PICTOGRAM) | S12004 | 1 | |
| 9 | DECAL, EAR PROTECTION (PICTOGRAM) | S12005 | 1 | |
| 10 | DECAL, EYE/EAR PROTECTION WARNING | S11753 | 1 | |
| 11 | DECAL, FRONT OUTRIGGER DANGER | 015400 | 1 | |
| 12 | DECAL, BLADE ALIGNMENT | P11789 | 1 | |
| 13 | DECAL, SAW HEAD REST CAUTION | S12581 | 1 | |
| | Nalepka, trak typu LT30HDD30S | 086896 | 1 | |
| | Nalepka, trak typu LT30HDE15S | 086898 | 1 | |
| | Nalepka, trak typu LT30HDG24S | 086900 | 1 | |
| | Nalepka, trak typu LT40HDD30S | 086906 | 1 | |
| | Nalepka, trak typu LT40HDG24S | 086908 | 1 | |

4.7 Blade Housing Cover



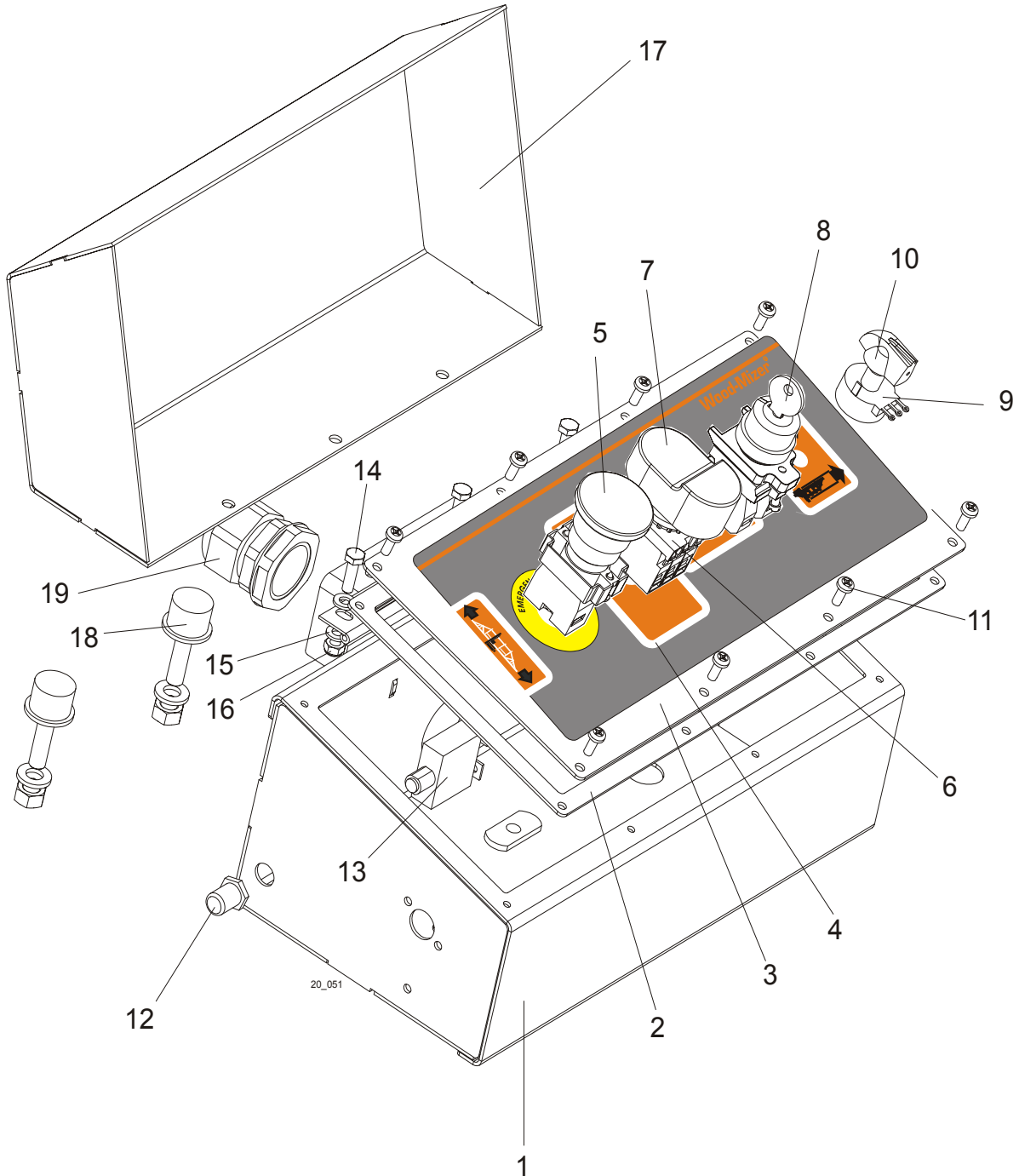
| REF | DESCRIPTION (◆ Indicates Parts Available in Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| 1 | SAW HEAD WELDMENT, LT20 | 090567 | 1 |
| 2 | LATCH, FLEXIBLE DRAW | 014829 | 4 |
| 3 | BOLT, M5 X 12-5.8 HEX HEAD FULL THREAD ZINC | F81000-5 | 16 |
| 4 | WASHER, 5.3 ZINC FLAT | F81052-1 | 16 |
| 5 | NUT, M5-8 HEX NYLON ZINC LOCK | F81030-2 | 16 |
| 6 | SWITCH, AZ17-11ZRK SAFETY KEY | 094232 | 1 |
| 7 | SCREW, M4 X 35 8.8 HEX SOCKET HEAD CAP ZINC | F81011-34 | 2 |
| 8 | WASHER, 4.3 ZINC FLAT | F81051-2 | 4 |
| 9 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 4 |
| 10 | SCREW, M4 X 12 5.8-B SLOTTED COUNTERSUNK HEAD ZINC | F81011-43 | 2 |
| 11 | COVER WELDMENT, LT20 BLADE HOUSING PTD | 090633-1 | 1 |
| 12 | PAWL, LOCKING PTD | 090643-1 | 1 |
| 13 | SCREW, 10/M8 X 12-12.9 ISO-7379 SOCKET HEAD SHOULDER | F81003-62 | 2 |
| 14 | NUT, M8-8-B HEX NYLON ZINC LOCK | F81032-2 | 2 |
| 15 | SPRING, 1,6x12x38 EXTENSION | 092208 | 1 |
| 16 | BOLT, M6 X 12-8.8 HEX HEAD FULL THREAD ZINC | F81001-7 | 3 |

| | | | | |
|----|---|-----------|--------------------|--|
| 17 | WASHER, 6.4 ZINC FLAT | F81053-1 | 1 | |
| 18 | NUT, M6-8-B HEX NYLON ZINC LOCK | F81031-2 | 1 | |
| 19 | BRACKET, BLADE GUIDE ROLLER GUARD PAINTED | 092378-1 | 1 | |
| 20 | GUARD, BLADE GUIDE ROLLER PAINTED | 092379-1 | 1 | |
| 21 | WASHER, 6.4 ZINC FLAT | F81053-1 | 4 | |
| 22 | WASHER, 6.5 ZINC FLAT | F81053-11 | 2 | |
| 23 | NUT, M6-8-B HEX NYLON ZINC LOCK | F81031-2 | 2 | |
| 24 | BOLT, M6X16 8.8 HEX HEAD FULL THREAD ZINC | F81001-15 | 2 | |
| 25 | BRACKET WLDMT, PTD DRIVE BELT SUPPORT | 092636-1 | 1 | |
| 26 | NUT, M6-8-B HEX NYLON ZINC LOCK | F81031-2 | 2 | |
| 27 | BOLT, M6 X 20-8.8 HEX HEAD FULL THREAD ZINC | F81001-2 | 2 | |
| 28 | WASHER 6,1 FE/ZN9 PN/M-82008 | F81053-3 | 2 | |
| 29 | WASHER, 6.5 ZINC FLAT | F81053-11 | 4 | |
| 30 | KEY, AZ17/170-B5 SAFETY SWITCH | 094422 | 1 | |
| 31 | CABLE, OLFLEX 400P 2X1 | R80583-5 | 3m (DC) 5m (AC) | |

4

Saw Head Control Box (AC Sawmills)

4.8 Control Box (AC Sawmills)



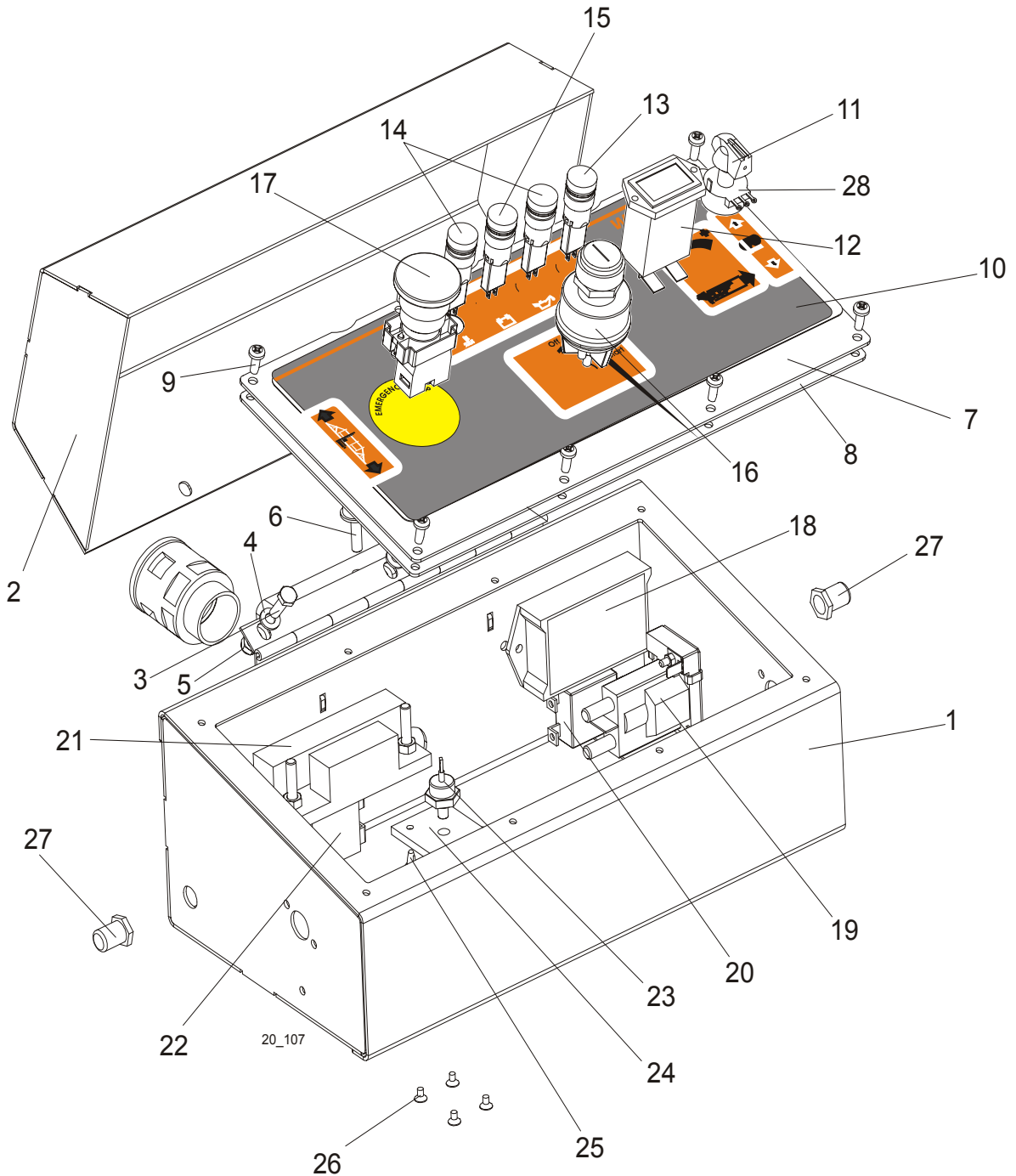
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|---------------|------|--|
| | CONTROL BOX ASSEMBLY, LT20 AC | 090737 | 1 | |
| 1 | Box Weldment, LT20 AC Control | 090734-1 | 1 | |
| 2 | Gasket, Control Box (9.5m Frame) | 089998 | 1 | |
| 3 | Panel, LT20 Front Control | 090736 | 1 | |

| | | | | |
|----|---|-----------|---|--|
| 4 | Decal, LT20 Control Box | 090735 | 1 | |
| 5 | Button, XB4 BS542 Emergency Stop | 086556 | 1 | |
| 6 | Button, 24V Start/Stop | 090452 | 1 | |
| 7 | Membrane M22-T-DD | 090462 | 1 | |
| 8 | Switch, M22 3-position Key | 091361 | 1 | |
| 9 | Potentiometer, Feed Control | E20519 | 1 | |
| 10 | Dial, Feed Rate | P06257 | 1 | |
| 11 | Screw, #10-24 x 1/2 Pan Head | F05015-17 | 8 | |
| 12 | Boot, Circuit Breaker | 021253 | 1 | |
| 13 | Breaker, 30Amp Manual Reset Circuit | 024246 | 1 | |
| 14 | Bolt, M6x20-8.8 Hex Head Full Thread Zinc | F81001-2 | 3 | |
| 15 | Washer, 6.4 Zinc Flat | F81053-1 | 6 | |
| 16 | Nut, M6-8-B Hex Nylon Zinc Lock | F81031-2 | 3 | |
| 17 | Cover, Control Box | 088172-1 | 1 | |
| 18 | Bumper, A/022 | 088376 | 2 | |
| 19 | Connector, Klick -GP21 rill 21 Polyamid Conduit | 086577 | 1 | |

4

Saw Head Control Box (DC Sawmills)

4.9 Control Box (DC Sawmills)



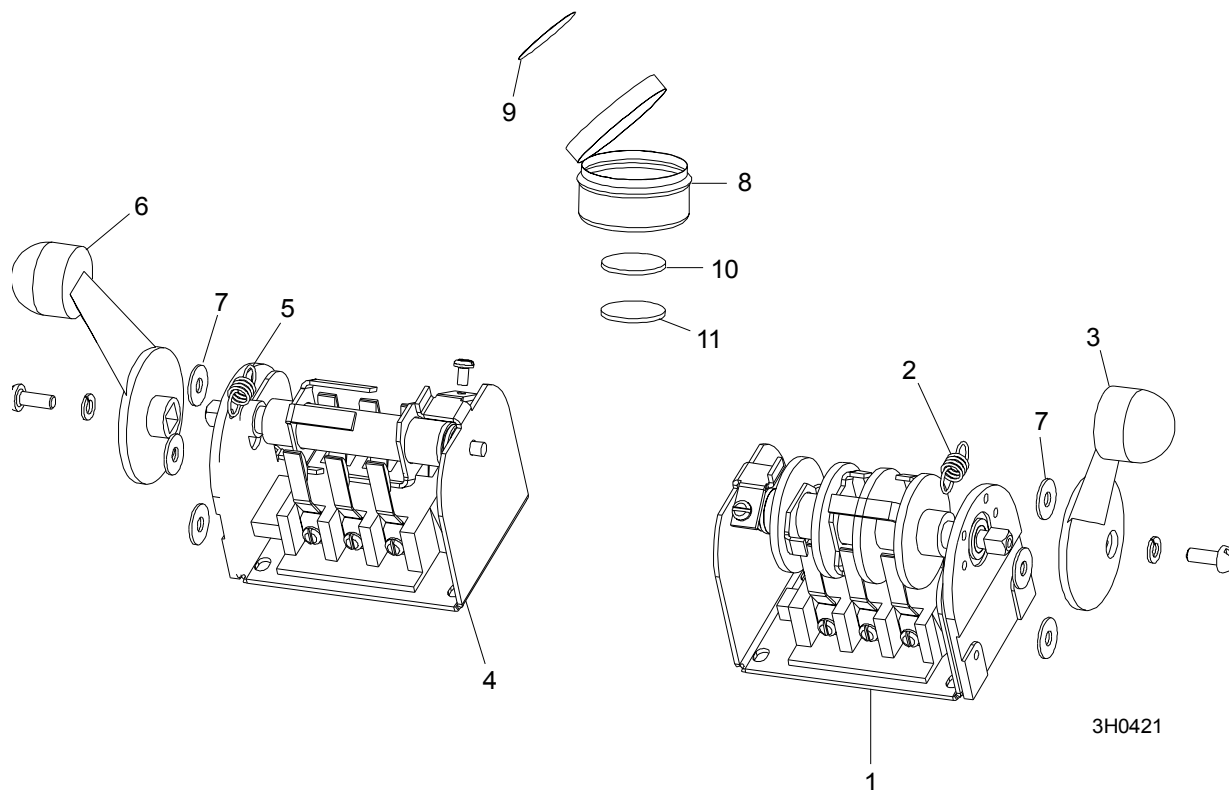
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|---------------|----------|
| | CONTROL BOX ASSEMBLY, LT20 DC | 090996 | 1 |
| 1 | Box Weldment, LT20 DC Painted Control | 092947-1 | 1 |
| 2 | Cover Weldment, Control Box Painted | 092942-1 | 1 |

| | | | | |
|----|---|-----------|---|--|
| 3 | Bolt, M6x20-8.8 Hex Head Full Thread Zinc | F81001-2 | 3 | |
| 4 | Washer, 6.4 Flat Zinc | F81053-1 | 6 | |
| 5 | Nut, M6-8-B Hex Nylon Zinc Lock | F81031-2 | 3 | |
| 6 | Bumper, A/022 | 088376 | 1 | |
| 7 | Panel, LT20 DC Front Painted Control | 090995-1 | 1 | |
| 8 | Gasket, Control Box | 089998 | 1 | |
| 9 | Screw, #10-24 x 1/2 Pan Head | F05015-17 | 8 | |
| 10 | Decal, LT20 DC Control Box | 090997 | 1 | |
| 11 | Knob, Speed Control | P06257 | 1 | |
| 12 | Meter, Hour | 093166 | 1 | |
| 13 | Light, XB6AV5BB Yellow | 089812 | 1 | |
| 14 | Light, KLA-RS-10-2 | 090998 | 2 | |
| 15 | Light, XB6 AV 3BB Green | 087348 | 1 | |
| 16 | Switch, Key | P04350 | 1 | |
| 17 | Button, XB4 BS542 Emergency Stop | 086556 | 1 | |
| 18 | Control Module, Power Feed SMT | 024396 | 1 | |
| 19 | Solenoid, 120-943 Continuous Duty GND Coil | P10449 | 1 | |
| 20 | Breaker, 50A Manual Reset | 021256 | 1 | |
| 21 | Module, Mosfet Power Feed | 024540 | 1 | |
| 22 | Breaker, 30A Manual Reset | 024246 | 1 | |
| 23 | Diode, 1N11184A 40A 110V | E07766 | 1 | |
| 24 | Heatsink, Diode | 091867 | 1 | |
| 25 | Spacer, P3/12 | R80671-2 | 4 | |
| 26 | Screw, FH ST 3.5x6.5 A4 Cross Recessed Countersunk Head Tapping | F81000-82 | 4 | |
| 27 | Boot, Circuit Breaker | 021253 | 1 | |
| 28 | Potentiometer, 1k | E20519 | 1 | |

4 Saw Head

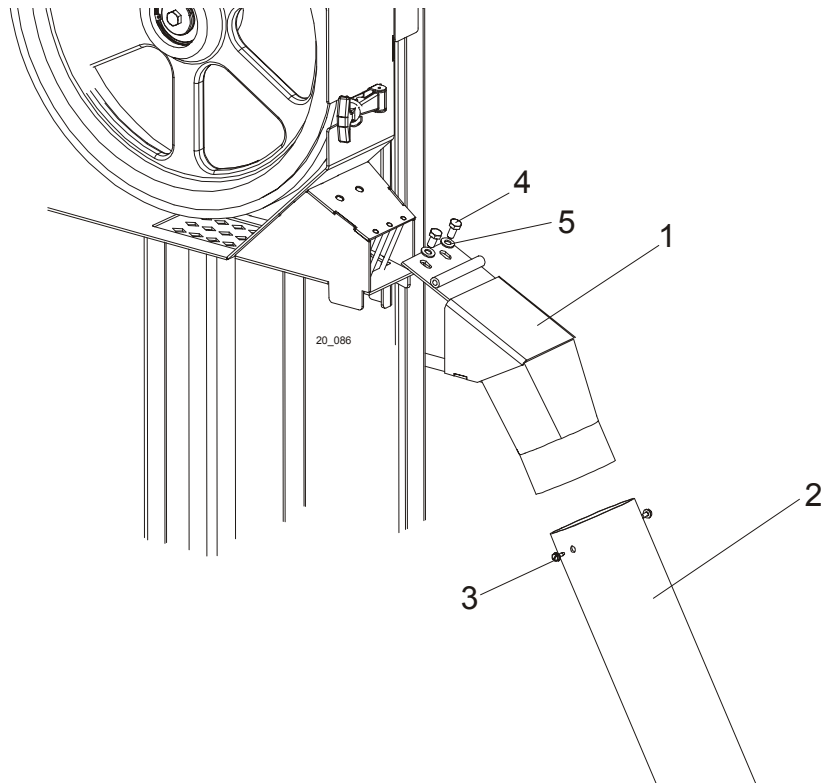
Drum Switches

4.10 Drum Switches



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

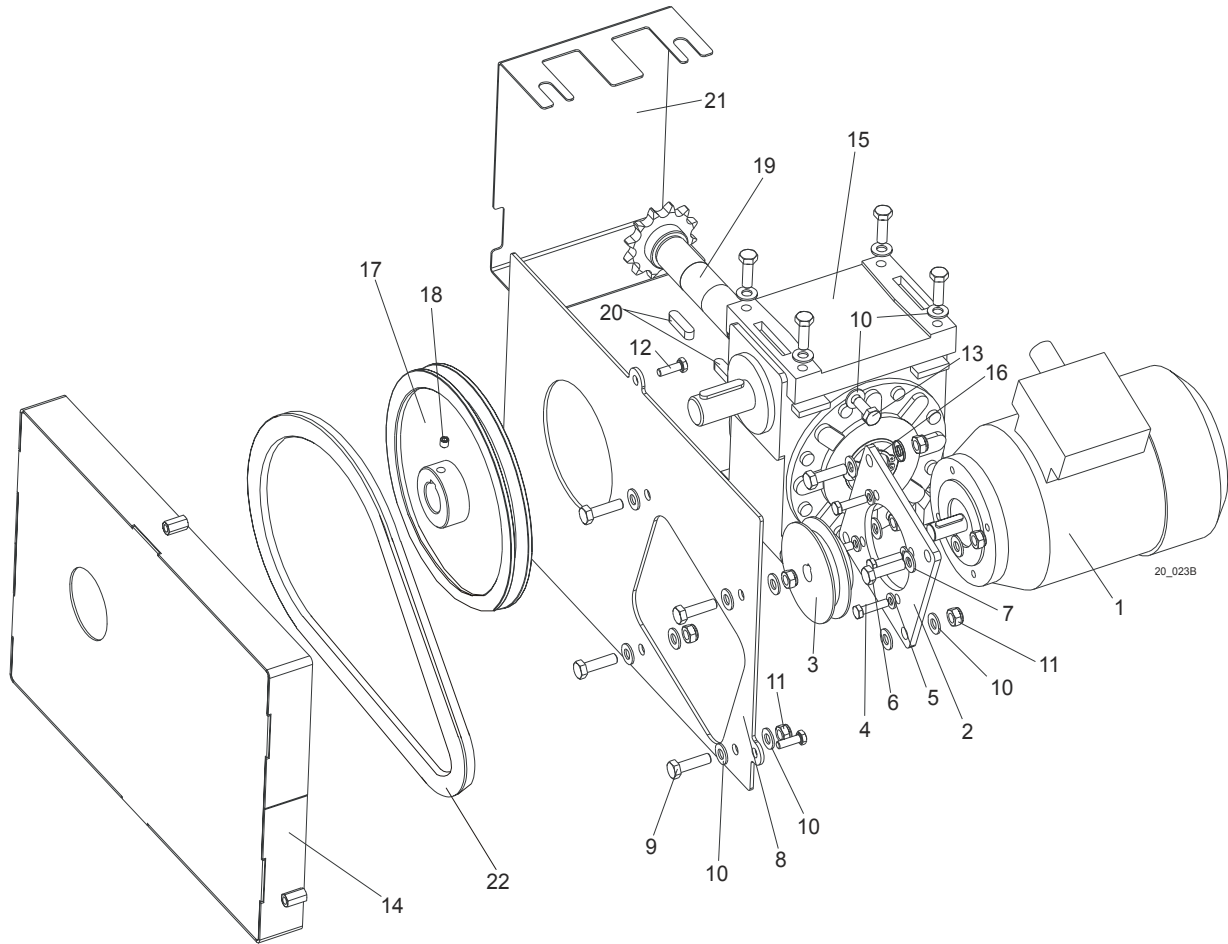
4.11 Sawdust Chute



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| 1 | CHUTE WELDMENT, SAWDUST | 092460-1 | 1 |
| 2 | TUBE, SAWDUST CHUTE RUBBER | R02336 | 1 |
| 3 | SCREW, #10-24 X 1/2 SELF-TAPPING | F05015-7 | 2 |
| 4 | BOLT, M8x16 | F81002-20 | 2 |
| 5 | WASHER, 8.4 ZINC FLAT | F81054-1 | 2 |

SECTION 5 UP/DOWN ASSEMBLY

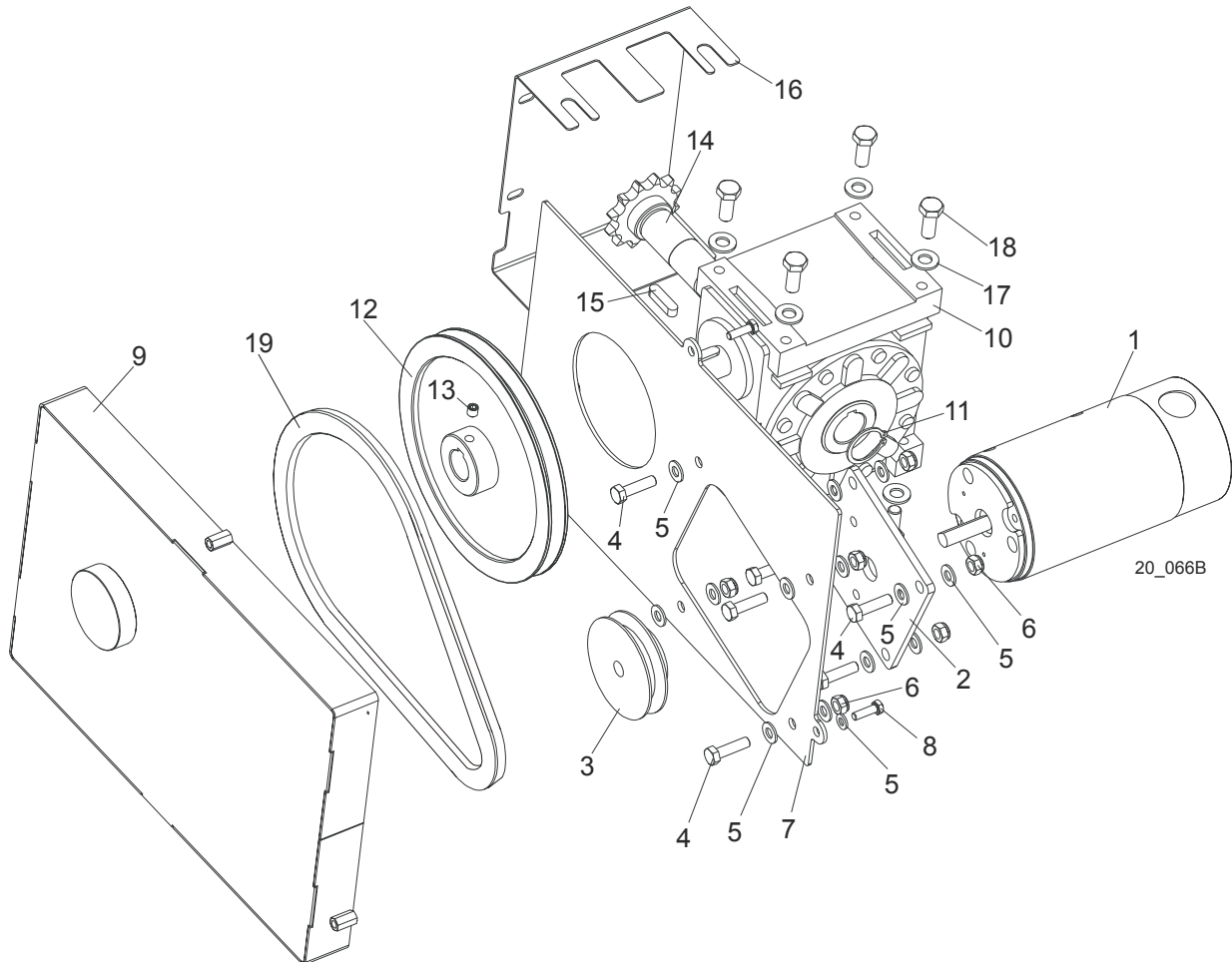
5.1 Up/Down Assembly, AC Mills



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|----------|------|---|
| | MOTOR ASSEMBLY, LT20 AC UP/DOWN | 091302 | 1 | ◆ |
| 1 | Motor, SKh 71- 4B2 RAL 9005 | 091304 | 1 | |
| 2 | Plate, LT20 AC Up/Down Motor Mount Ptd | 091300-1 | 1 | |
| 3 | Pulley, LT20 | 090699 | 1 | |
| 4 | Bolt, M6x25-5.8 Hex Head Full Thread Zinc | F81001-3 | 4 | |
| 5 | Washer 6.4 Zinc Flat | F81053-1 | 4 | |
| 6 | BOLT, M8X30-5.8 HEX HEAD FULL THREAD ZINC | F81002-2 | 4 | |
| 7 | WASHER, 8.4 ZINC FLAT | F81054-1 | 4 | |
| 8 | PLATE, LT20 BELT GUARD MOUNT | 091079-1 | 1 | |
| 9 | BOLT, M8X30-5.8 HEX HEAD FULL THREAD ZINC | F81002-2 | 4 | |
| 10 | WASHER, 8.4 ZINC FLAT | F81054-1 | 12 | |
| 11 | NUT, M8-8-B HEX NYLON ZINC LOCK | F81032-2 | 4 | |

| | | | | |
|-----------|--|-----------|---|--|
| 12 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC | F81001-2 | 4 | |
| 13 | BOLT, M8X20-5.8 HEX HEAD FULL THREAD ZINC | F81002-1 | 2 | |
| 14 | GUARD WELDMENT, LT20 UP/DOWN BELT PTD | 091080-1 | 1 | |
| | BOX ASSEMBLY, LT20 UP/DOWN GEAR | 091299 | 1 | |
| 15 | Box, RA-06/66/D1/S+N/V5 Gear | 088577 | 1 | |
| 16 | Ring, Z30 Spring Retaining | F81090-23 | 1 | |
| 17 | Pulley, LT20 Up/Down | 091078 | 1 | |
| 18 | Screw, M8X8-33H Hex Socket Set Flat Point | F81014-1 | 1 | |
| 19 | Shaft, LT20 Up/Down w/Sprocket | 091298 | 1 | |
| 20 | Key, A8x7x32 Parallel | 088564 | 2 | |
| 21 | GUARD, LT20 UP/DOWN GEAR BOX SPROCKET | 091655-1 | 1 | |
| 22 | BELT, HA-560 (STOMIL-SANOK) | 088562 | 1 | |

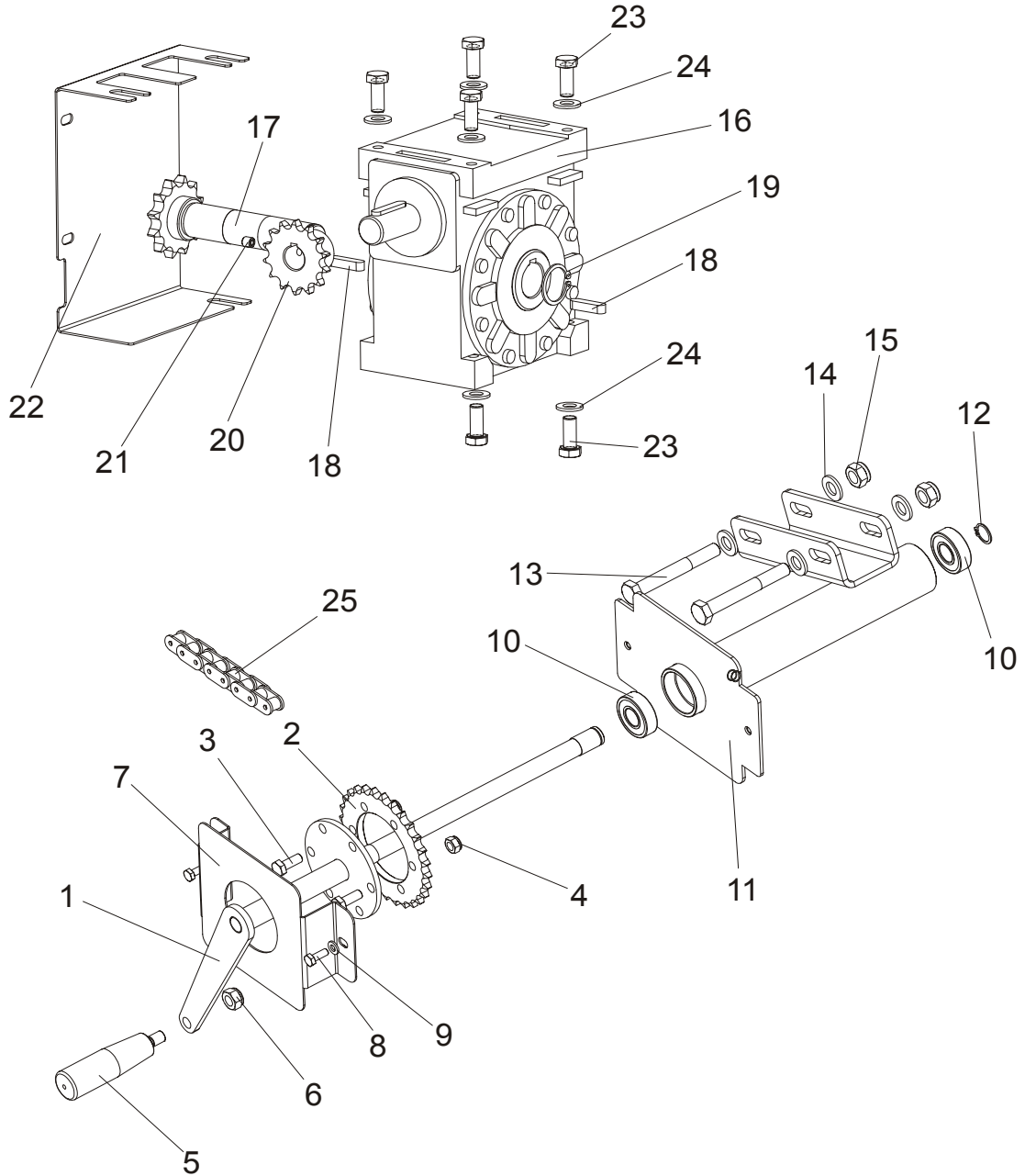
5.2 Up/Down Assembly, DC Mills



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|-----------|------|---|
| | MOTOR ASSEMBLY, LT20 DC UP/DOWN | 091303 | 1 | ◆ |
| 1 | Motor, Drive 12V 0.5HP | P04140 | 1 | |
| 2 | Plate, LT20 DC Up/Down Motor Mount Ptd | 091301-1 | 1 | |
| 3 | Pulley, LT20 Up/Down | 014087 | 1 | |
| 4 | BOLT, M8X30-5.8 HEX HEAD FULL THREAD ZINC | F81002-2 | 8 | |
| 5 | WASHER, 8.4 ZINC FLAT | F81054-1 | 19 | |
| 6 | NUT, M8-8-B HEX NYLON ZINC LOCK | F81032-2 | 8 | |
| 7 | PLATE, LT20 BELT GUARD MOUNT | 091079-1 | 1 | |
| 8 | BOLT, M6X20-8.8 HEX HEAD FULL THREAD ZINC | F81001-2 | 3 | |
| 9 | GUARD WELDMENT, LT20 UP/DOWN BELT PTD | 091080-1 | 1 | |
| | BOX ASSEMBLY, LT20 UP/DOWN GEAR | 091299 | 1 | |
| 10 | Box, RA-06/66/D1/S+N/V5 Gear | 088577 | 1 | |
| 11 | Ring, Z30 Spring Retaining | F81090-23 | 1 | |

| | | | | |
|-----------|--|-----------|---|--|
| 12 | Pulley, LT20 Up/Down | 091078 | 1 | |
| 13 | Screw, M8x8-33H Hex Socket Set Flat Point | F81014-1 | 1 | |
| 14 | Shaft, LT20 Up/Down w/Sprocket | 091298 | 1 | |
| 15 | Key, A8x7x32 Parallel | 088564 | 2 | |
| 16 | GUARD, LT20 UP/DOWN GEAR BOX SPROCKET | 091655-1 | 1 | |
| 17 | WASHER, FLAT, M10, ZINC | F81055-1 | 6 | |
| 18 | BOLT, M10-1.5X25MM HH GR8.8 | F81003-11 | 6 | |
| 19 | BELT, HA-560 (STOMIL-SANOK) | 088562 | 1 | |

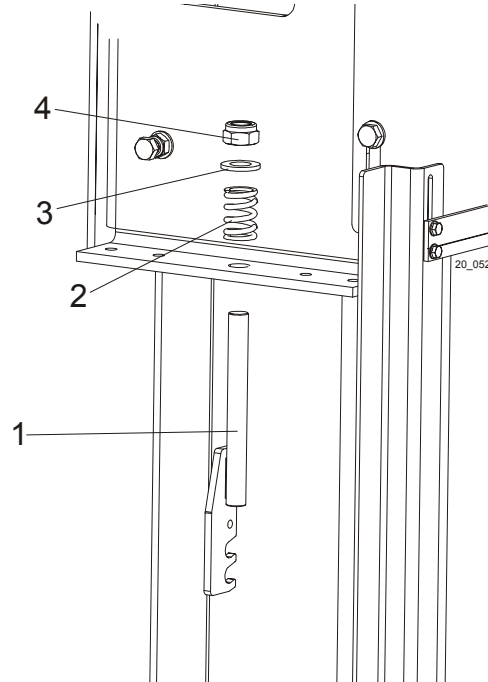
5.3 Manual Up/Down System



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| | CRANK ASSEMBLY, LT20 UP/DOWN | 090745 | 1 |
| 1 | Shaft, Up/Down Sprocket | 090748-1 | 1 |
| 2 | Sprocket, 08B Z28 | 090664-1 | 1 |
| 3 | Bolt, M8x20-5.8 Hex Head Full Thread Zinc | F81002-1 | 2 |
| 4 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 2 |
| 5 | Knob, 12992M10 Plastic Crank Handle | 086338 | 1 |
| 6 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 1 |

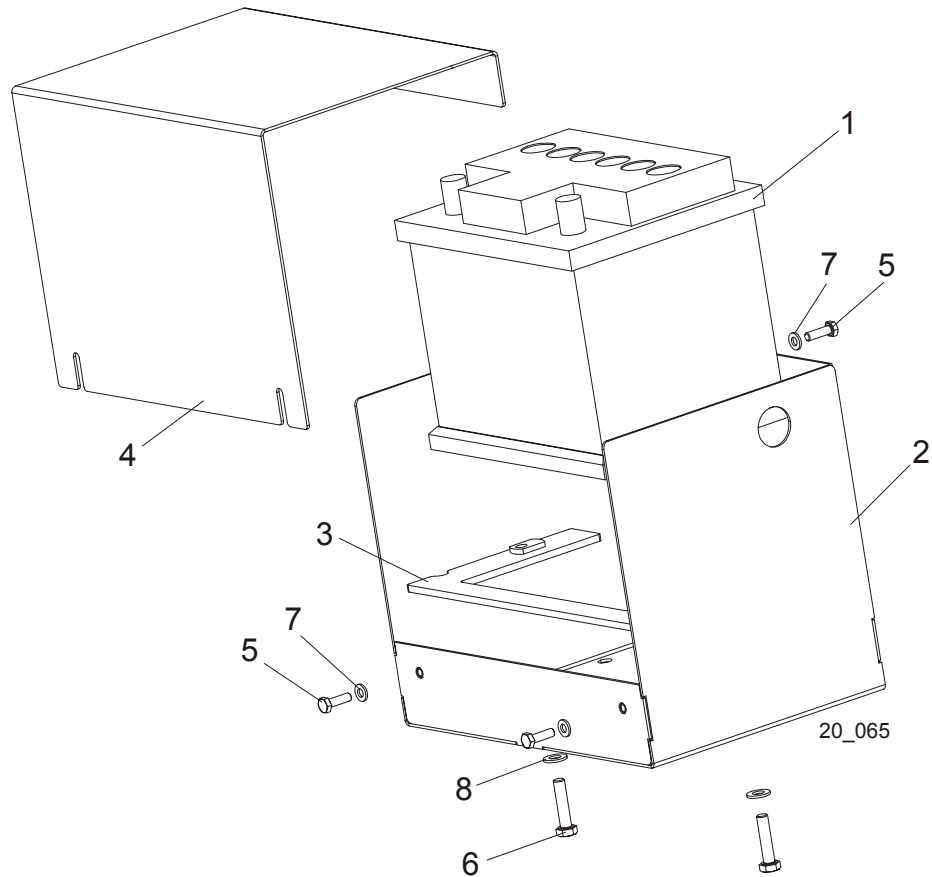
| | | | | |
|----|---|-----------|---|--|
| 7 | Guard, Up/Down Crank Sprocket Ptd | 091834-1 | 1 | |
| 8 | Bolt, M6x16 8.8 Hex Head Full Thread Zinc | F81001-15 | 2 | |
| 9 | Washer, 6.4 Zinc Flat | F81053-1 | 2 | |
| 10 | Bearing, 6203-2RS FLT Rolling | 086114 | 2 | |
| 11 | Guard, LT20 Up/Down Sprocket | 090744-1 | 1 | |
| 12 | Ring, Z 17 Outside Retaining | F81090-21 | 1 | |
| 13 | BOLT, M12 X 90-8.8 HEX HEAD ZINC | F81004-2 | 2 | |
| 14 | WASHER, 13 ZINC FLAT | F81056-1 | 4 | |
| 15 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 | |
| 16 | BOX, RA-06/66/D1/S+N/V5 GEAR | 088577 | 1 | |
| 17 | SHAFT, LT20 UP/DOWN W/SPROCKET | 091298 | 1 | |
| 18 | KEY, A8 X 7 X 32 PARALLEL | 088564 | 2 | |
| 19 | RING, Z30 OUTSIDE RETAINING | F81090-23 | 1 | |
| 20 | SPROCKET, 10B Z14 ZINC-PLATED | 090702-1 | 1 | |
| 21 | SCREW, M8 X 8-33H HEX SOCKET SET FLAT POINT ZINC | F81014-1 | 1 | |
| 22 | GUARD, LT20 UP/DOWN GEAR BOX SPROCKET PTD | 091655-1 | 1 | |
| 23 | BOLT, M10 X 25-8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 6 | |
| 24 | WASHER, 10.5 ZINC FLAT | F81055-1 | 6 | |
| 25 | CHAIN, 08B-1-153 UP/DOWN | 091647 | 1 | |

5.4 Up/Down Chain Tensioner Assembly



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|----------|------|--|
| 1 | TENSIONER WELDMENT, LT20 UP/DOWN CHAIN ZINC-PLATED | 090730-1 | 1 | |
| 2 | SPRING, 14 X 30 X 3.2 | 090797 | 1 | |
| 3 | WASHER, 13 ZINC FLAT | F81056-1 | 1 | |
| 4 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 1 | |

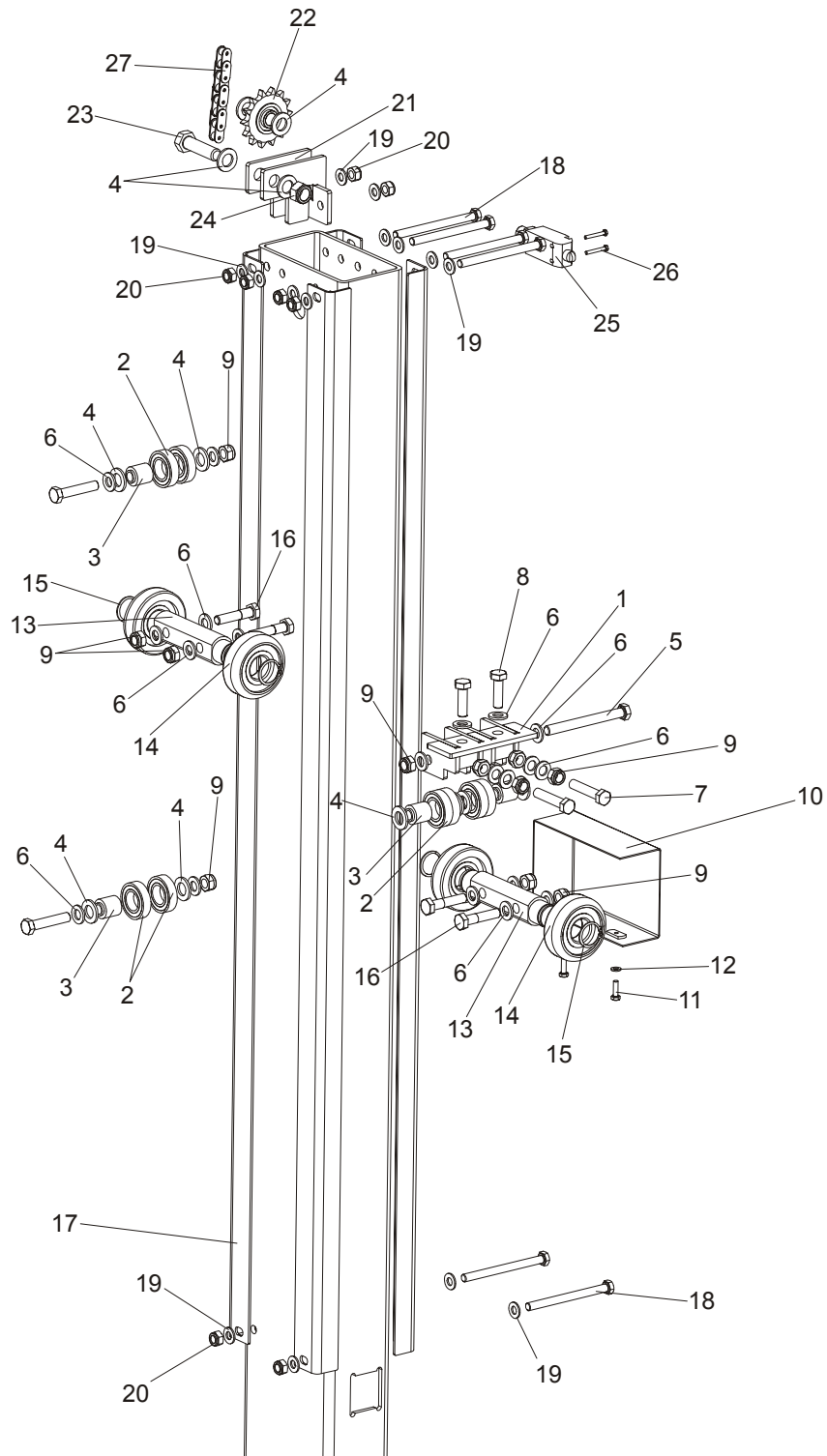
5.5 Battery Box Assembly, DC Mills



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|---------------|----------|
| | BATTERY BOX, COMPLETE | 091376 | 1 |
| 1 | Battery, 12V 50Ah | 090999 | 1 |
| 2 | Box Weldment, Battery | 091377-1 | 1 |
| 3 | Bracket, Battery Hold-down Ptd | 091381-1 | 1 |
| 4 | Lid, Battery Box Ptd | 091382-1 | 1 |
| 5 | Bolt, M6x20mm Hex Head Full Thread Zinc | F81001-2 | 3 |
| 6 | Bolt, 8mm x 1.25 x 35mm HH Zinc | F81002-13 | 2 |
| 7 | Washer, M6 Zinc Flat | F81053-1 | 3 |
| 8 | Washer, M8 Zinc Flat | F81054-1 | 2 |

SECTION 6 UP/DOWN ROLLERS & BLADE HEIGHT SCALE

6.1 Up/Down Rollers



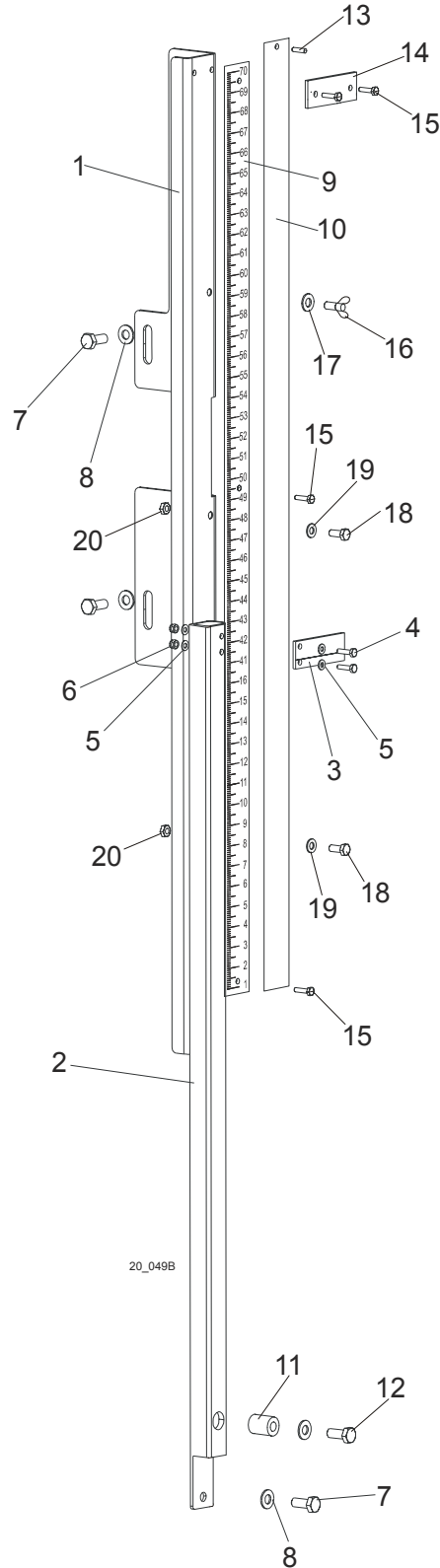
Up/Down Rollers & Blade Height Scale

Up/Down Rollers

6

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|-----------|------|--|
| 1 | BRACKET WELDMENT, LT20 UP/DOWN ROLLER PTD | 091095-1 | 1 | |
| 2 | BEARING, 6005 2RS CX | 089652 | 8 | |
| 3 | BUSHING, LT20 UP/DOWN ROLLER | 090790 | 4 | |
| 4 | WASHER, 17 ZINC FLAT | F81058-1 | 12 | |
| 5 | BOLT, M12 X 120 8.8 HEX HEAD ZINC | F81004-38 | 1 | |
| 6 | WASHER, 13 ZINC FLAT | F81056-1 | 20 | |
| 7 | BOLT, M12 X 60-8.8 HEX HEAD FULL THREAD ZINC | F81004-51 | 2 | |
| 8 | BOLT, M12 X 40-8.8 HEX HEAD FULL THREAD ZINC | F81004-4 | 2 | |
| 9 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 11 | |
| 10 | GUARD, LT20 UP/DOWN ROLLERS PTD | 091619-1 | 1 | |
| 11 | BOLT, M6 X 20-8.8 HEX HEAD FULL THREAD ZINC | F81001-2 | 2 | |
| 12 | WASHER, 6.4 ZINC FLAT | F81053-1 | 2 | |
| 13 | SHAFT, UP/DOWN ROLLERS ZINC-PLATED | 090616-1 | 2 | |
| 14 | ROLLER, CBK-468 | 088433 | 4 | |
| 15 | RING, Z30 SPRING RETAINING | F81090-23 | 4 | |
| 16 | BOLT, M12 X 55-8.8 HEX HEAD FULL THREAD ZINC | F81004-43 | 4 | |
| 17 | ANGLE, LT20 MAST TUBE | 091182 | 4 | |
| 18 | BOLT, M10 X 125-8.8 HEX HEAD ZINC | F81003-18 | 6 | |
| 19 | WASHER, 10.5 ZINC FLAT | F81055-1 | 14 | |
| 20 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 8 | |
| 21 | BRACKET WELDMENT, LT20 UP/DOWN SPROCKET PTD | 091000 | 1 | |
| 22 | SPROCKET, KSR 16.L0.10.10.14.08 | 088867 | 1 | |
| 23 | BOLT, M16 X 60 8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 1 | |
| 24 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 1 | |
| 25 | SWITCH, EVN2000 C LIMIT | 089816 | 1 | |
| 26 | BOLT, M4 X 30 8.8 HEX HEAD FULL THREAD ZINC | F81011-5 | 2 | |
| 27 | CHAIN, LT20 10B-1-197 TYPE UP/DOWN | 091626 | 1 | |

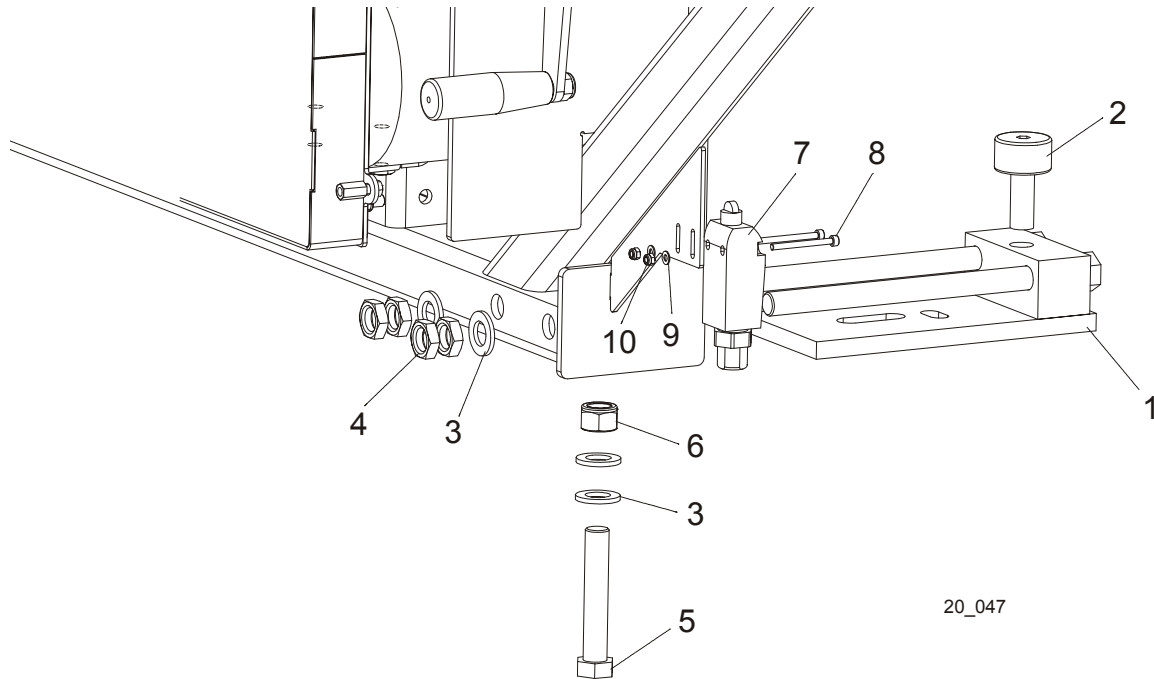
6.2 Blade Height Scale



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|-----------|------|--|
| 1 | BRACKET, SCALE MOUNT PTD | 092749-1 | 1 | |
| 2 | BRACKET, SCALE INDICATOR MOUNT PTD | 092751-1 | 1 | |
| 3 | INDICATOR, BLADE HEIGHT SCALE | 094821 | 1 | |
| 4 | BOLT, M4 X 16 5.8 HEX HEAD FULL THREAD ZINC | F81011-6 | 2 | |
| 5 | WASHER, 4.3 ZINC FLAT | F81051-2 | 4 | |
| 6 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 7 | BOLT, M8 X 20-5.8 HEX HEAD FULL THREAD ZINC | F81002-1 | 4 | |
| 8 | WASHER, 8.4 ZINC FLAT | F81054-1 | 4 | |
| 9 | BAR, SCALE | 092750 | 1 | |
| | DECAL, LT20 0-80CM METRIC SCALE | 091239 | 1 | |
| 10 | BAR, INCH SCALE | 093133 | 1 | |
| | DECAL, 45-63CM METRIC | P12040-2 | 1 | |
| | DECAL, METRIC 16-40MM | P12040-1 | 1 | |
| 11 | BUSHING, SPACER | 092008-1 | 1 | |
| 12 | BOLT, M8 X 45 - 8.8 Fe/Zn5, PN-M/82105 | F81002-14 | 1 | |
| 13 | PIN, 3x20 ROLL ZINC | F81044-5 | 1 | |
| 14 | BAR, SCALE MOUNT | 093134 | 1 | |
| 15 | SCREW, M6x20- 4.8-B Fe/Zn5 PN-85/M-82207 | F81001-31 | 1 | |
| 16 | BOLT, M6X16 BN276 | F81001-16 | 1 | |
| 17 | WASHER, FLAT ZINC | F81053-11 | 1 | |
| 18 | BOLT, M6X20MM, HH, FULL THREAD, ZINC | F81001-2 | 2 | |
| 19 | WASHER, M6, FLAT,ZINC | F81053-1 | 2 | |
| 20 | NUT, M6, HEX,NYLON LOCK ZINC | F81031-2 | 2 | |

SECTION 7 POWER FEED & TRACK ROLLERS

7.1 Lower Track Rollers



20_047

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|-----------|------|--|
| | ROLLER ASSEMBLY, LT20 LOWER TRACK | 090670 | 2 | |
| 1 | Bracket, LT20 Lower Track Roller | 090671-1 | 1 | |
| 2 | Bearing, Cam Follower (McGill) | 012797 | 1 | |
| 3 | WASHER, 17 ZINC FLAT | F81058-1 | 4 | |
| 4 | NUT, M16 HEX THIN ZINC | F81036-4 | 4 | |
| 5 | BOLT, M16 X 90-8.8 HEX HEAD ZINC | F81006-17 | 1 | |
| 6 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 1 | |
| 7 | SWITCH, EVN2000 A LIMIT | 091742 | 1 | |
| 8 | SCREW, M4 X 45-8.8 HEX SOCKET HEAD CAP ZINC | F81011-33 | 2 | |
| 9 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 10 | WASHER, 4.3 ZINC FLAT | F81051-2 | 2 | |

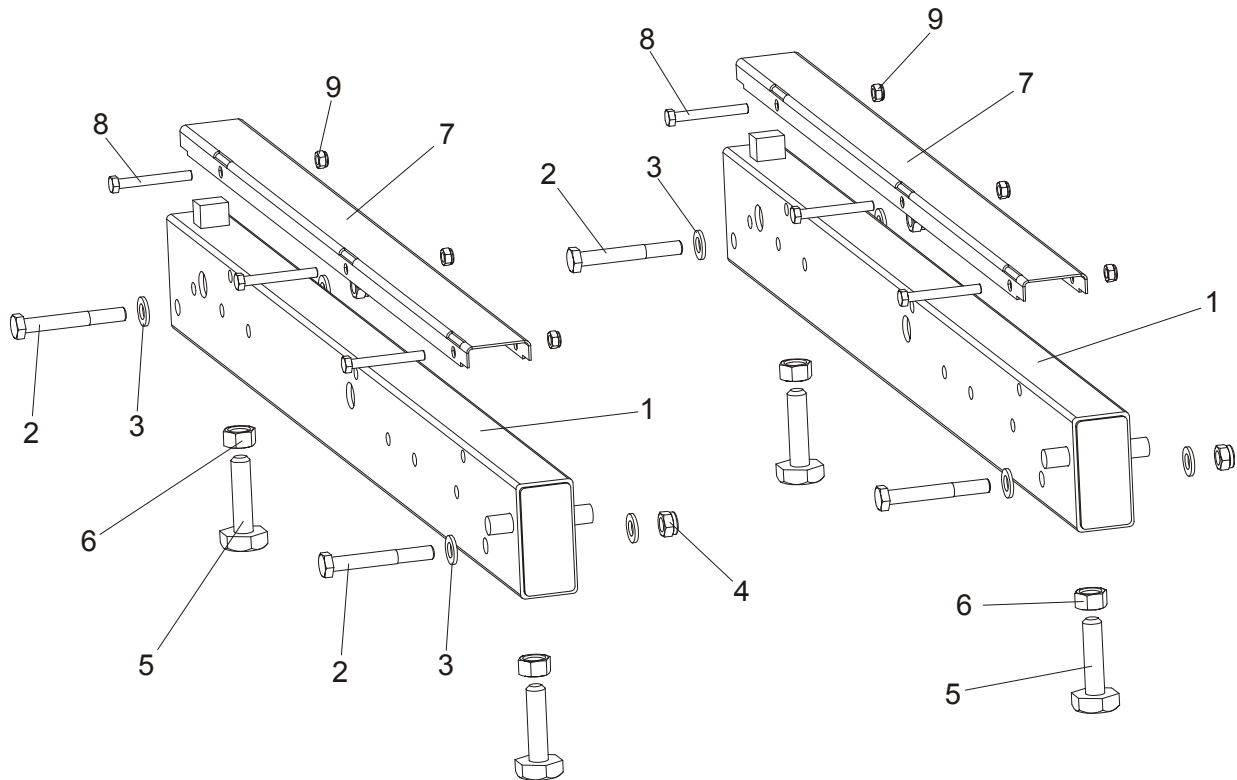
8

Bed Frame Assembly

Bed Rail Assembly, Front And Rear (S/M type frame)

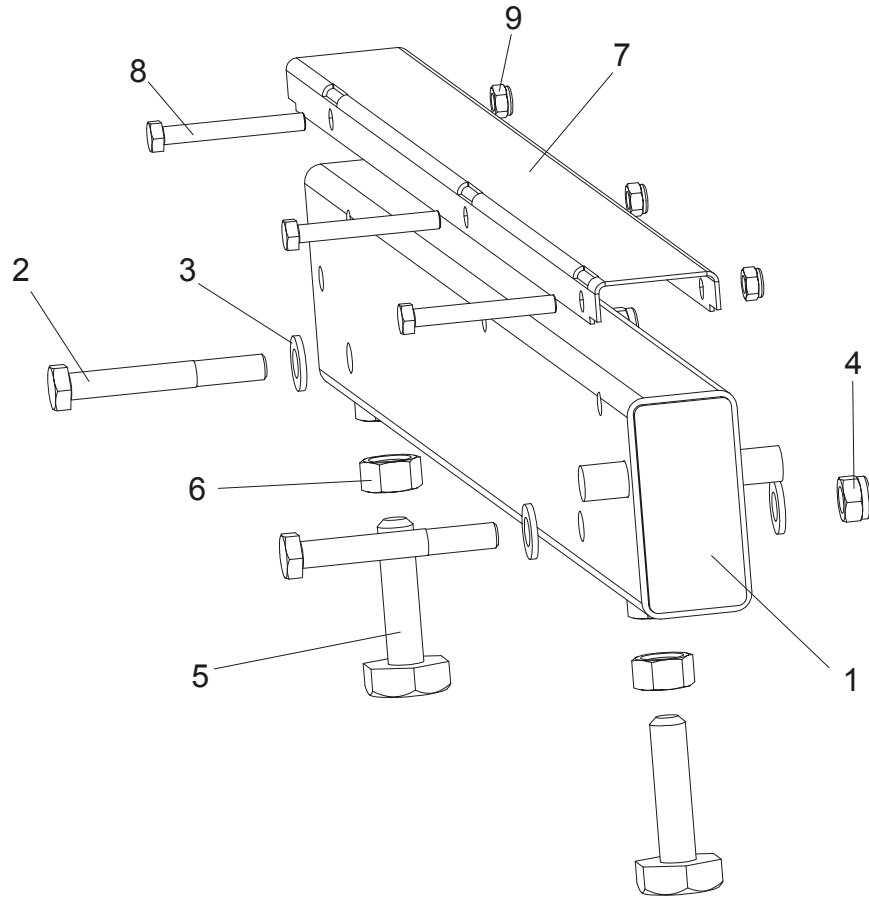
SECTION 8 BED FRAME ASSEMBLY

8.1 Bed Rail Assembly, Front And Rear (S/M type frame)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| 1 | BED RAIL ASSEMBLY, REAR PAINTED | 091555 | 2 |
| 2 | Bolt, M12 x 90-8.8 Hex Head | F81004-2 | 4 |
| 3 | Washer, 13 SAE FLAT | F81056-1 | 8 |
| 4 | Nut, m12-8 hex Nylon Lock | F81034-2 | 4 |
| 5 | Bolt, M16, Bed Rail Adjustment | 086809 | 4 |
| 6 | Nut, M16-5-B Zinc Hex Head | F81036-5 | 4 |
| 7 | COVER, STAINLESS STEEL BED RAIL | S09944 | 2 |
| 8 | BOLT, M8X65-5,8 ZINC HEX HEAD | F81002-3 | 6 |
| 9 | NUT, M8-8-B-ZINC HEX NYLON LOCK | F81032-2 | 6 |

8.2 Bed Rail Assembly, Front Middle (S/M type frame)



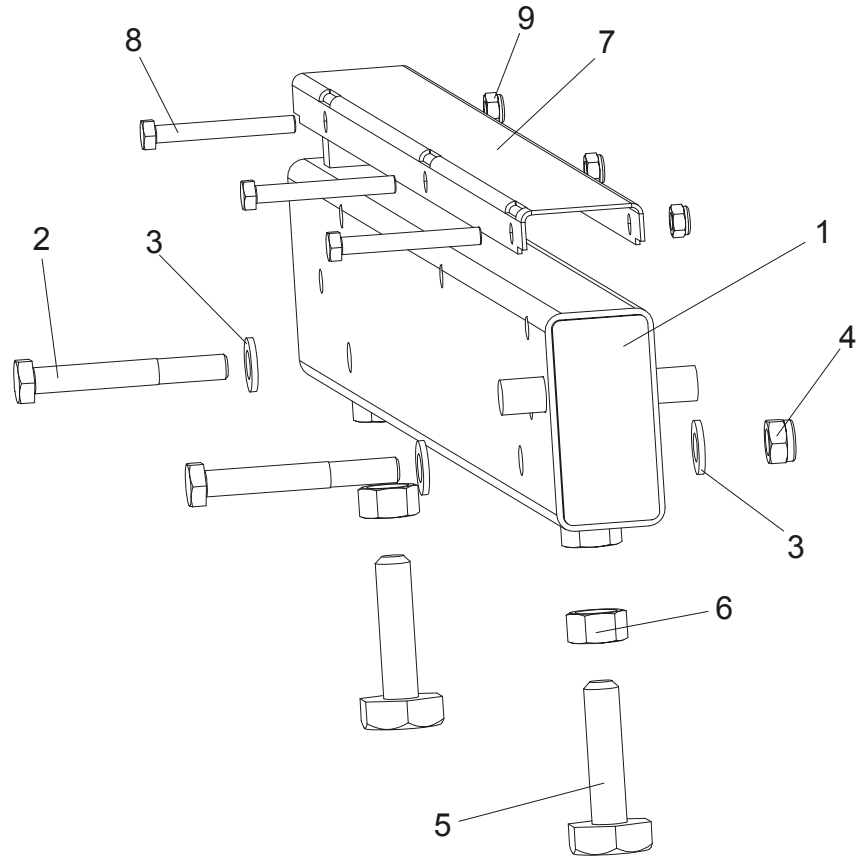
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| 1 | BED RAIL ASSEMBLY, FRONT MIDDLE | 091556 | 1 |
| 2 | Bolt, M12 x 90-8.8 Hex Head | F81004-2 | 2 |
| 3 | Washer, 13 SAE Flat | F81056-1 | 4 |
| 4 | Nut, M12-8 hex Nylon Lock | F81034-2 | 2 |
| 5 | Bolt, M16, Bed Rail Adjustment | 086809 | 2 |
| 6 | Nut, M16-5-B Zinc Hex Head | F81036-5 | 2 |
| 7 | COVER, STAINLESS STEEL BED RAIL | S09944 | 2 |
| 8 | BOLT, M8X65-5,8 ZINC HEX HEAD | F81002-3 | 3 |
| 9 | NUT, M8-8-B-ZINC HEX NYLON LOCK | F81032-2 | 3 |

8

Bed Frame Assembly

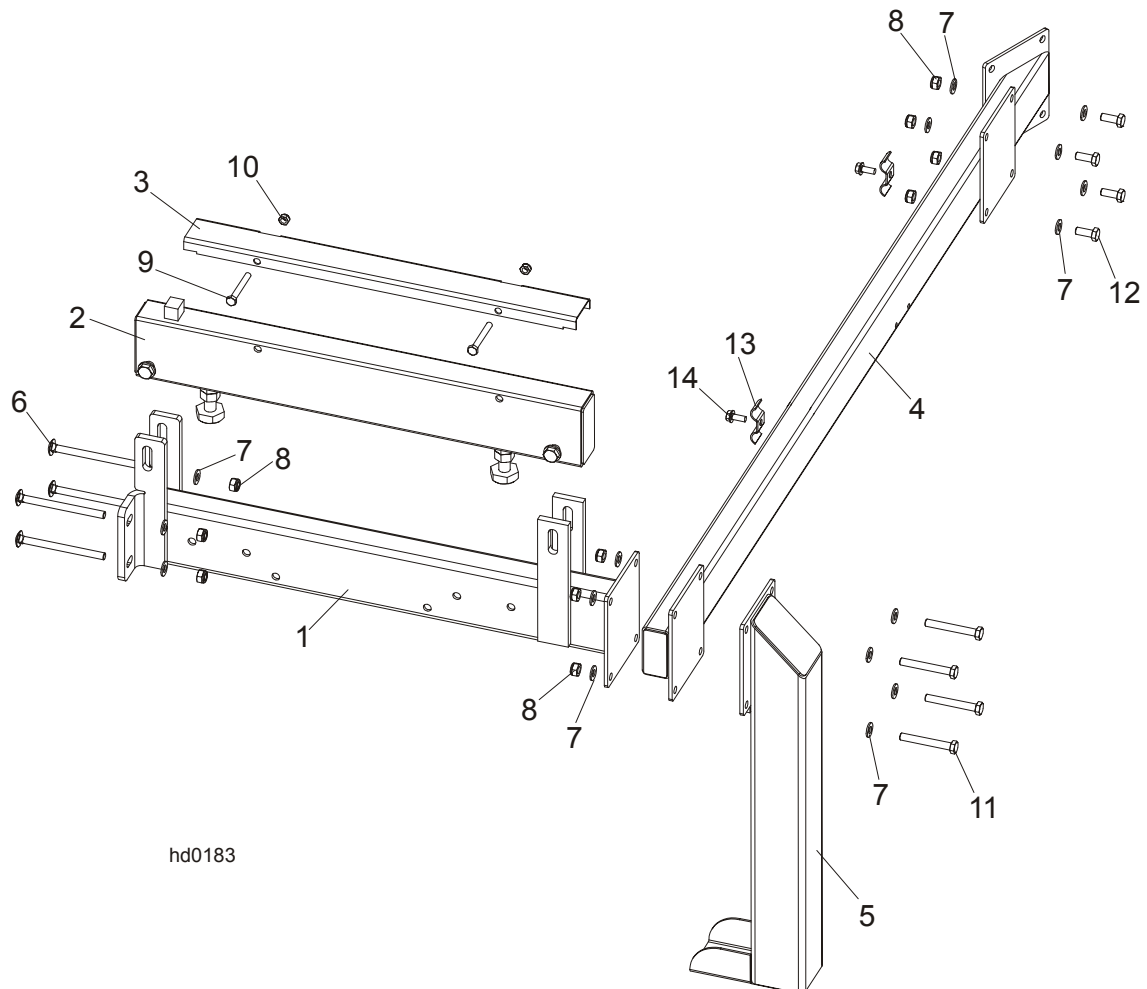
Bed Rail Assembly, Rear Middle (S/M type frame)

8.3 Bed Rail Assembly, Rear Middle (S/M type frame)



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| 1 | BED RAIL ASSEMBLY, REAR MIDDLE PAINTED | 091557 | 1 |
| 2 | Bolt, M12 x 90-8.8 Hex Head | F81004-2 | 2 |
| 3 | Washer, 13 SAE Flat | F81056-1 | 4 |
| 4 | Nut, M12-8 hex Nylon Lock | F81034-2 | 2 |
| 5 | Bolt, M16, Bed Rail Adjustment | 086809 | 2 |
| 6 | Nut, M16-5-B Zinc Hex Head | F81036-5 | 2 |
| 7 | COVER, STAINLESS STEEL BED RAIL | S09944 | 2 |
| 8 | BOLT, M8X65-5,8 ZINC HEX HEAD | F81002-3 | 3 |
| 9 | NUT, M8-8-B-ZINC HEX NYLON LOCK | F81032-2 | 3 |

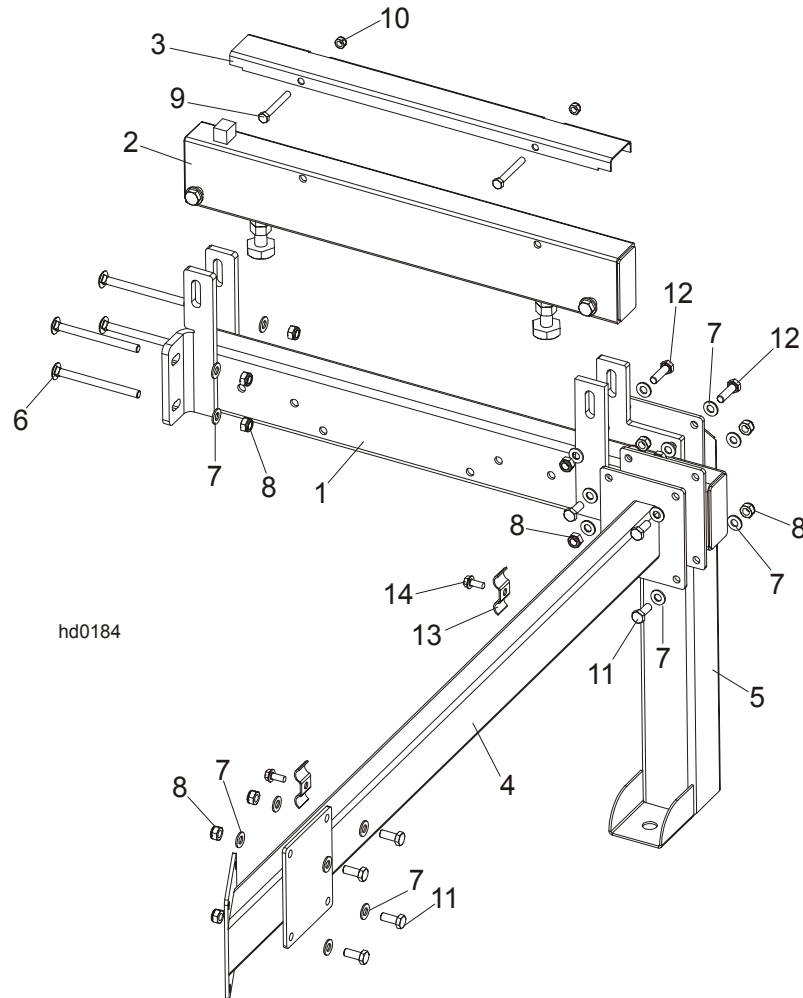
8.4 Clamp Mount Assembly, Front (AH5/7)



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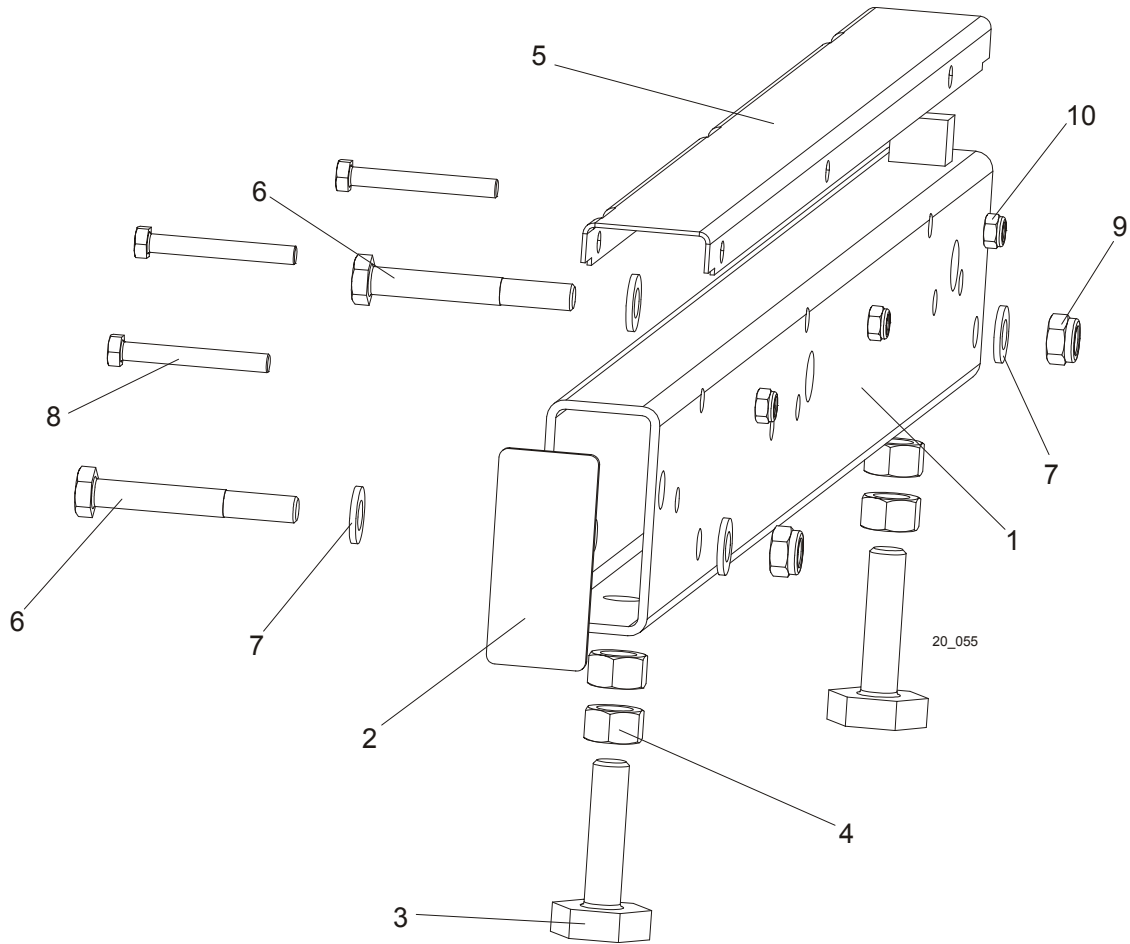
| L.P. | OPIS (♦ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. |
|------|---|------------|------|
| | CLAMP MOUNT ASSEMBLY - FRONT | 092937 | 1 |
| 1 | Bed Rail Assembly, Front | 092903-1 | 1 |
| 2 | Bed Rail AH5/DH5 | 095131-1 | 1 |
| 3 | Cover, 22.75 SS LT50 Pivot | S13012 | 1 |
| 4 | Tube Weldment, Bed Front | 092904-1 | 1 |
| 5 | Leg, Stationary Left | 087450-1 | 1 |
| 6 | Bolt, M10 X 125-8.8 Carriage Head | F81003-34 | 4 |
| 7 | Washer, Flat, M10, Zinc | F81055-1 | 20 |
| 8 | Nut, M10, Nylon Hex Zinc Lock | F81033-1 | 12 |
| 9 | Bolt, M8 x 65mm, HH, Grade 5.8, Zinc | F81002-3 | 2 |
| 10 | Nut, M8, Hexagon, Nylon Lock Zinc | F81032-2 | 2 |
| 11 | Bolt, M10x75-8.8-Fe/Zn5 PN-M/82101 | F81003-15 | 4 |
| 12 | Bolt, M10-1.5x25mm HH Gr 8.8 | F81003-11 | 4 |
| 13 | Plate, 1/4 Hose Clamp Ptd | S09245 | 2 |
| 14 | Bolt, 5/16-18x3/4 Self Tap | F05015-30 | 2 |

8.5 Clamp Mount Assembly, Rear (AH5/7)



| L.P. | OPIS (◆ wskazuje części dostępne jedynie w zespołach) | NUMER KAT. | SZT. |
|------|---|------------|------|
| | CLAMP MOUNT ASSEMBLY - REAR | 092938 | 1 |
| 1 | Bed Rail Assembly, Rear | 092902-1 | 1 |
| 2 | Bed Rail AH5/DH5 | 095131-1 | 1 |
| 3 | Cover, 22.75 SS LT50 Pivot | S13012 | 1 |
| 4 | Tube Weldment, Bed Rear | 092907-1 | 1 |
| 5 | Leg, Stationary Left | 087450-1 | 1 |
| 6 | Bolt, M10 X 125-8.8 Carriage Head | F81003-34 | 4 |
| 7 | Washer, Flat, M10, Zinc | F81055-1 | 28 |
| 8 | Nut, M10, Nylon Hex Zinc Lock | F81033-1 | 16 |
| 9 | Bolt, M8 x 65mm, HH, Grade 5.8, Zinc | F81002-3 | 2 |
| 10 | Nut, M8, Hexagon, Nylon Lock Zinc | F81032-2 | 2 |
| 11 | Bolt, M10-1.5x25mm HH Gr 8.8 | F81003-11 | 4 |
| 12 | Bolt, M10x35mm HH Gr 8.8 | F81003-17 | 4 |
| 13 | Plate, 1/4 Hose Clamp Ptd | S09245 | 2 |
| 14 | Bolt, 5/16-18x3/4 Self Tap | F05015-30 | 2 |

8.6 Bed Rail Assembly (L type frame)

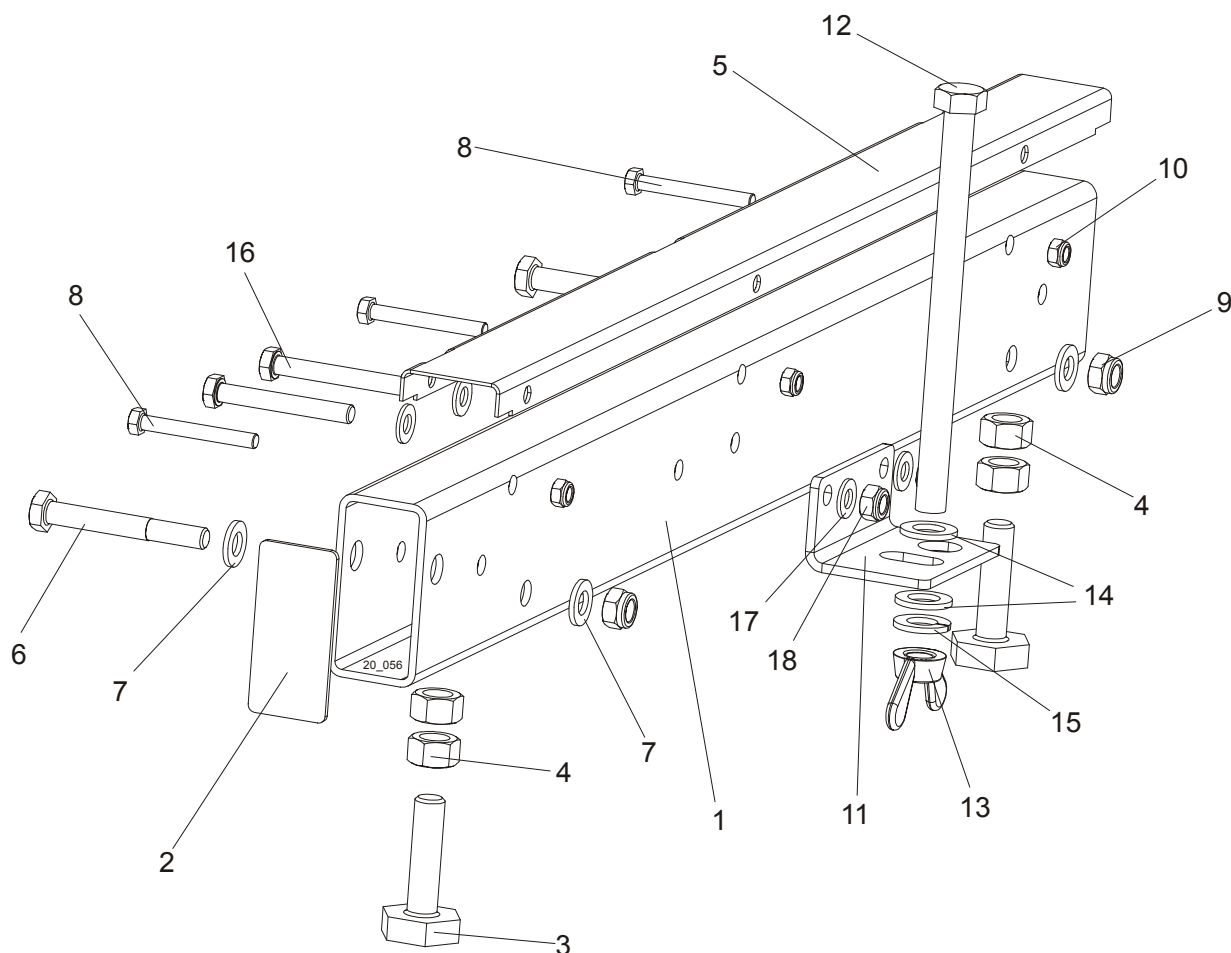


| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | LONG BED RAIL ASSEMBLY | 089385 | 1 |
| 1 | Bed Rail Tube, Long | 087433 | 1 |
| 2 | Plate, Bed Rail End Cap | 087853 | 1 |
| 3 | Bolt, Bed Rail Adjustment | S13006 | 2 |
| 4 | Nut, 5/8-11 Hex | F05010-54 | 4 |
| 5 | Cover, Stainless Steel Bed Rail | S09944 | 1 |
| 6 | Bolt, M12 x 90-8.8 Hex Head Zinc | F81004-2 | 2 |
| 7 | Washer, 13 Zinc Flat | F81056-1 | 4 |
| 8 | Bolt, M8x65-5.8 Hex Head Zinc | F81002-3 | 3 |
| 9 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 2 |
| 10 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 3 |

8 Bed Frame Assembly

Bed Rail Assembly (L type frame)

8.7 Bed Rail Assembly (L type frame)



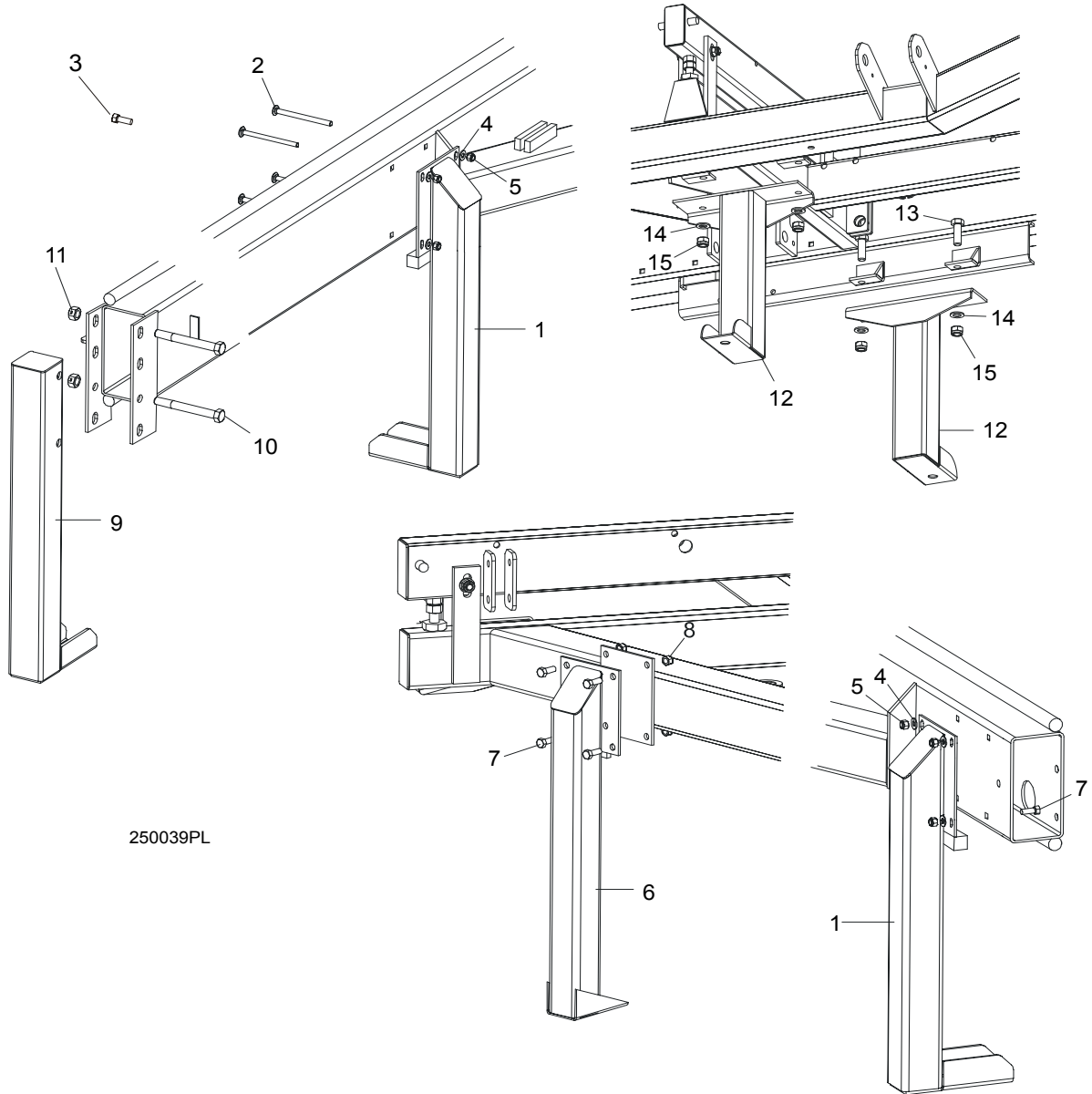
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | BED RAIL ASSEMBLY, SHORT | 089386 | 1 |
| 1 | Bed Rail Tube, Short | 087878 | 1 |
| 2 | Plate, Bed Rail End Cap | 087853 | 1 |
| 3 | Bolt, Bed Rail Adjustment | S13006 | 2 |
| 4 | Nut, 5/8-11 Hex | F05010-54 | 4 |
| 5 | Cover, Bed Rail Stainless Steel | S09944 | 1 |
| 6 | Bolt, M12x90-8.8 Hex Head Zinc | F81004-2 | 2 |
| 7 | Washer, 13 Zinc Flat | F81056-1 | 4 |
| 8 | Bolt, M8x65-5.8 Hex Head Zinc | F81002-3 | 3 |
| 9 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 2 |
| 10 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 3 |
| 11 | Bracket, Loading Arms Link Storage | 090258-1 | 1 |
| 12 | Bolt, M16x220-8.8-B Hex Head Zinc | F81006-21 | 1 |
| 13 | Nut, M16-8 Hex Nylon Zinc Lock | F81036-2 | 1 |
| 14 | Washer, 17 Zinc Flat | F81058-1 | 2 |
| 15 | Washer, 16.3 Split Lock Zinc | F81058-2 | 1 |

| | | | | |
|-----------|----------------------------------|-----------|---|--|
| 16 | Bolt, M10x75-8.8 Hex Head Zinc | F81003-15 | 2 | |
| 17 | Washer, 10.5 Zinc Flat | F81055-1 | 2 | |
| 18 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 2 | |

8 Bed Frame Assembly

Stationary Leg

8.8 Stationary Leg



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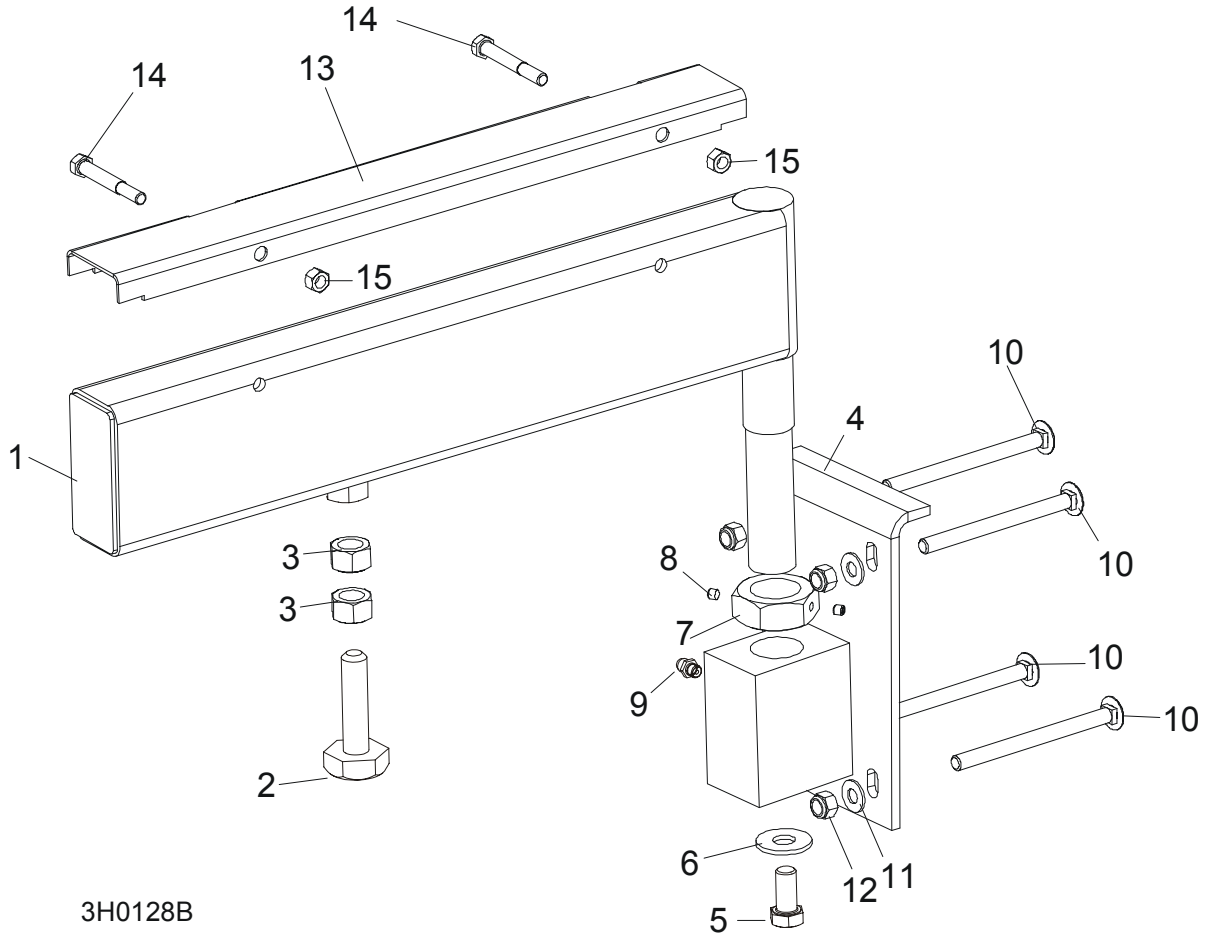
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| 1 | LEG, LONG STATIONARY | 087451-1 | 2/3 |
| 2 | BOLT, M10 X 120 - 8.8 CARRIAGE HEAD ZINC | F81003-33 | 8 |
| 3 | BOLT, 3/8-16 X 1" HEX HEAD ZINC GRADE 8 | F05007-7 | 4 |
| 4 | WASHER, 10.5 ZINC FLAT | F81055-1 | 16 |
| 5 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 8/12 |
| 6 | LEG, SHORT STATIONARY | 087450-1 | 2 |
| 7 | BOLT, M10 X 25-8.8 HEX HEAD ZINC | F81003-11 | 12 |
| 8 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 12 |
| 9 | LEG, FRONT STATIONARY | 087452-1 | 1 |

| | | | | |
|-----------|---|----------|---|--|
| 10 | BOLT, M16 X 140 - 8.8 HEX HEAD | F81006-4 | 2 | |
| 11 | NUT, 5/8-11 HEX ZINC | F05010-4 | 2 | |
| 12 | LEG, MIDDLE STATIONARY | 087093-1 | 2 | |
| 13 | BOLT, M16 X 50-8.8 HEX HEAD FULL THREAD ZINC | F81006-7 | 4 | |
| 14 | WASHER, 17 ZINC FLAT | F81058-1 | 4 | |
| 15 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 4 | |

8 Bed Frame Assembly

Pivot Bed Rail Assembly

8.9 Pivot Bed Rail Assembly

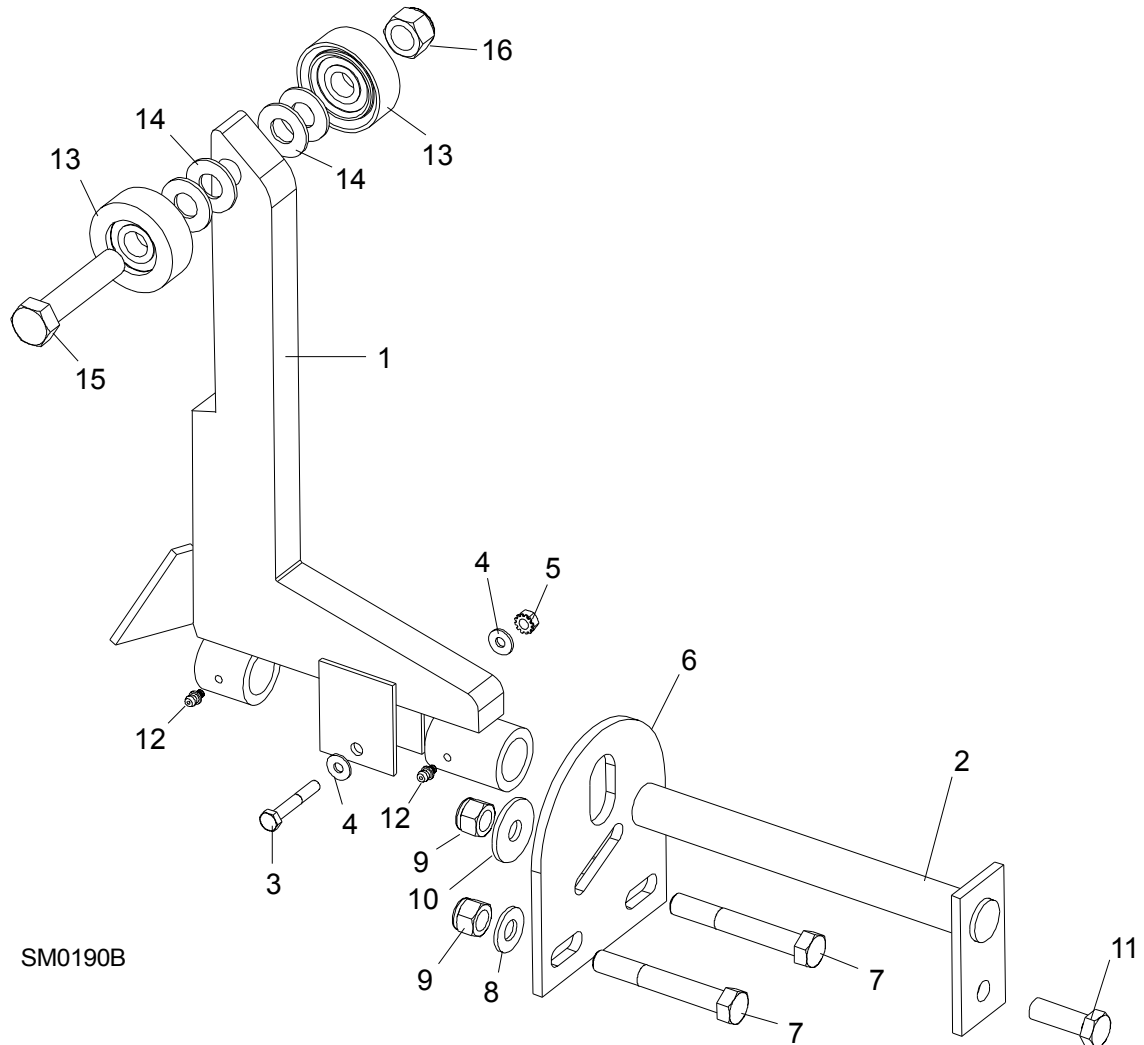


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| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------------------|------|
| | PIVOT BED RAIL, COMPLETE | 087829 | 2 |
| | PIVOT BED RAIL, COMPLETE | 087855 | 2 |
| 1 | Rail Weldment, Pivot Bed | 087852-1 | 1 |
| | Rail, Pivot Bed | 087848-1 | 1 |
| | Bolt Assembly, Bed Rail Adjustment | | |
| 2 | Bolt, Pivot Bed Rail Adjustment | 086809 | 1 |
| 3 | Nut, M16-5.8 Zinc Hex | F81036-1 | 2 |
| 4 | Bracket, Pivot Bed Rail Mounting | 087841-1 | 1 |
| 5 | Bolt, M12x25-8.8 Hex Head Full Thread Zinc | F81004-31 | 1 |
| 6 | Washer, 9/16" Zinc Flat | F05011-52 | 1 |
| 7 | Nut, M16-5.8 Zinc Hex Nut, M32 Zinc Hex Thin | F81036-1 F81039-2 | 1 |
| 8 | Screw, 1/4-28 x 1/4 Socket Head Brass Tip Set | F05005-42 | 2 |
| 9 | Fitting, M6 Grease | 086280 | 1 |
| 10 | BOLT, M10 X 120 8.8 CARRIAGE HEAD ZINC | F81003-33 | 2 |
| 11 | BOLT, M10 X 120 8.8 CARRIAGE HEAD ZINC | F81003-33 | 6 |
| 12 | WASHER, 10.5 ZINC FLAT | F81055-1 | 8 |

| | | | | |
|-----------|---|----------|---|--|
| 13 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 8 | |
| | COVER KIT, PIVOT BED RAIL | 015926 | 2 | |
| | COVER KIT, PIVOT BED RAIL | N/A | 2 | |
| 14 | Cover, Pivot Bed Rail Stainless Steel | 012994 | 1 | |
| | Cover, Pivot Bed Rail | S13012 | 1 | |
| 15 | Bolt, M8x65-5.8 Hex Head Zinc | F81002-3 | 2 | |
| 16 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 2 | |
| | WRENCH, BED RAIL ADJUSTMENT (Patrz rozdział 8.4) | 015970 | 1 | |

8.10 Log Side Support Assembly (Manual)



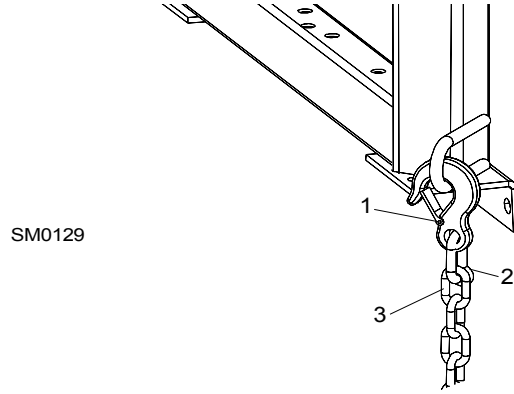
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| Patrz rozdział 9.7 for hydraulic side supports... | | | |
|---|--|-----------------------|------|
| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
| | SUPPORT, LOG SIDE | 092686 | 1 |
| 1 | MOUNTING KIT, LOG SIDE SUPPORT | 085538-1 ¹ | 1 |
| 2 | Pin, Log Side Support Pivot | 091549-1 | 1 |
| 3 | Bolt, M8x45 - 8.8 Hex Head Grade 5 | F81002-14 | 1 |
| 4 | Washer, 8.4 Flat | F81054-1 | 2 |
| 5 | Nut, M8-8-B Self Locking | F81032-2 | 1 |
| 6 | Plate, Log Side Support End | 091591-1 | 1 |
| 7 | Bolt, M12 x 75-8.8 Hex Head | F81004-21 | 2 |
| 8 | Washer, 13 Flat | F81056-1 | 2 |
| 9 | Nut, M12-8 Hex Nylon Lock | F81034-2 | 3 |

| | | | | |
|-----------|--|------------|---|--|
| 10 | Washer, 15 Flat Special Zinc-Plated | F81057-3 | 1 | |
| 11 | Bolt, M12 x 35-8.8 Hex Head | F81004-24 | 1 | |
| 12 | FITTING, 3/16" GREASE | P04107 | 2 | |
| 13 | Roller Assembly, Side Support | 015014-1 | 2 | |
| 14 | Washer, 17 Flat | F81058-1 | 2 | |
| 15 | Bolt, M16x65-8.8-B Hex Head Grade 5 | F81006-1 | 1 | |
| 16 | Nut, M16-8 Nylon Lock | F81036-2 | 1 | |
| | Instruction Sheet, Side Support Roller | 015109-526 | 1 | |

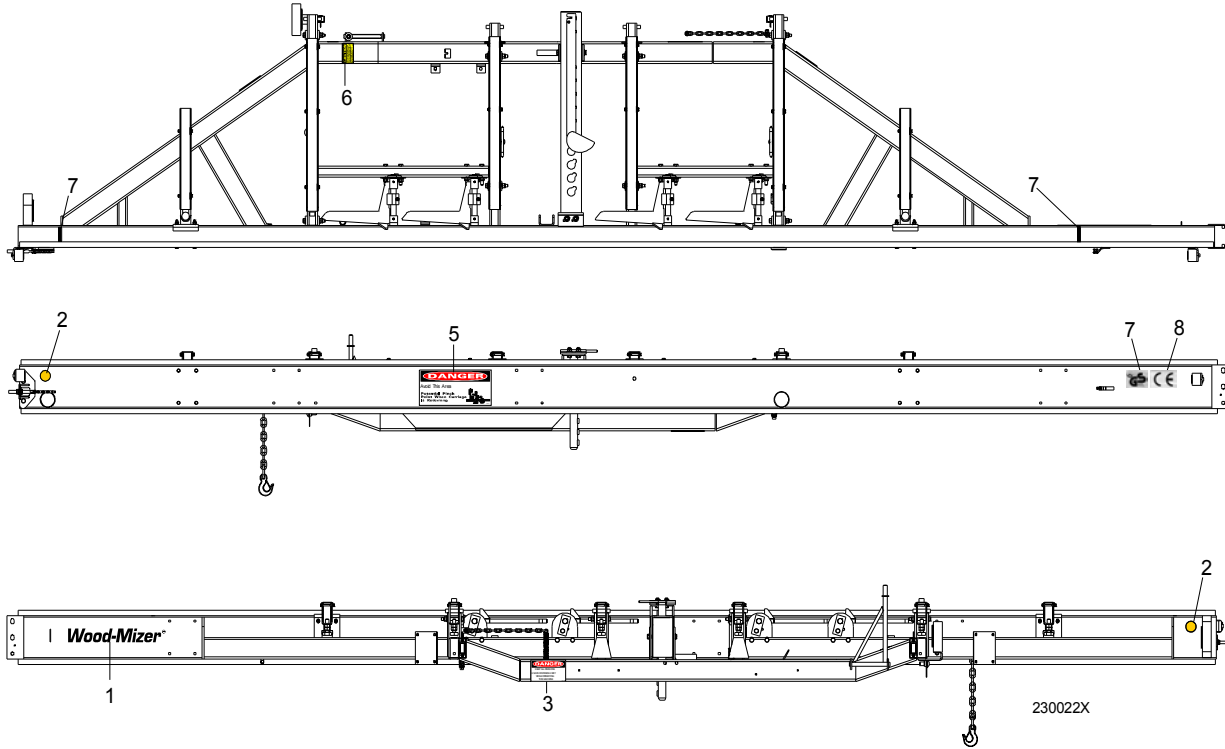
¹ Boczne ramię podtrzymujące kłody - 085538-1 jest elementem Zestawu operek bocznych LT40S/40M - 092611.

8.11 Tie Down Chain Assembly



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|----------|-------|---|
| | TIE DOWN CHAIN ASSEMBLY | A04376 | 1 | |
| 1 | Hook, 5/8" Safety Chain | P12075 | 1 | ◆ |
| 2 | Cold Shut, 3/8" Plain | P04772-2 | 1 | ◆ |
| 3 | Chain, N-10 x 35 Plain Link | R80558 | .28 m | ◆ |

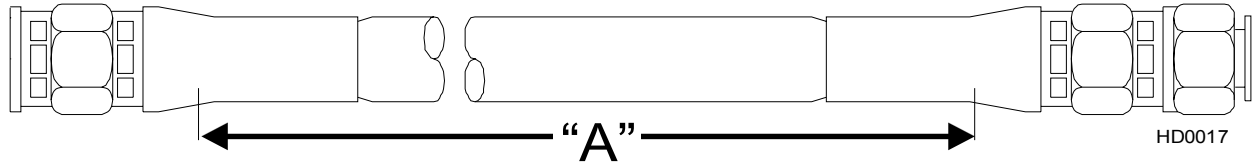
8.12 Bed Frame Decals



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|--------|------|
| 4 | DECAL, AMBER REFLECTIVE 2" ROUND | P07453 | 2 |
| 5 | DECAL, KEEP AWAY DANGER | S09851 | 1 |
| 6 | DECAL, PINCH POINT DANGER | P10287 | 1 |
| 7 | DECAL, SAW HEAD REST CAUTION | S12581 | 1 |
| 8 | DECAL, LOG LENGTH LIMIT | S12051 | 2 |
| 9 | DECAL, GS SAFETY CERTIFICATION SMALL | P85072 | 1 |
| 10 | DECAL, CE CERTIFIED SAWMILL SMALL | P85070 | 1 |

SECTION 9 HYDRAULIC SYSTEM

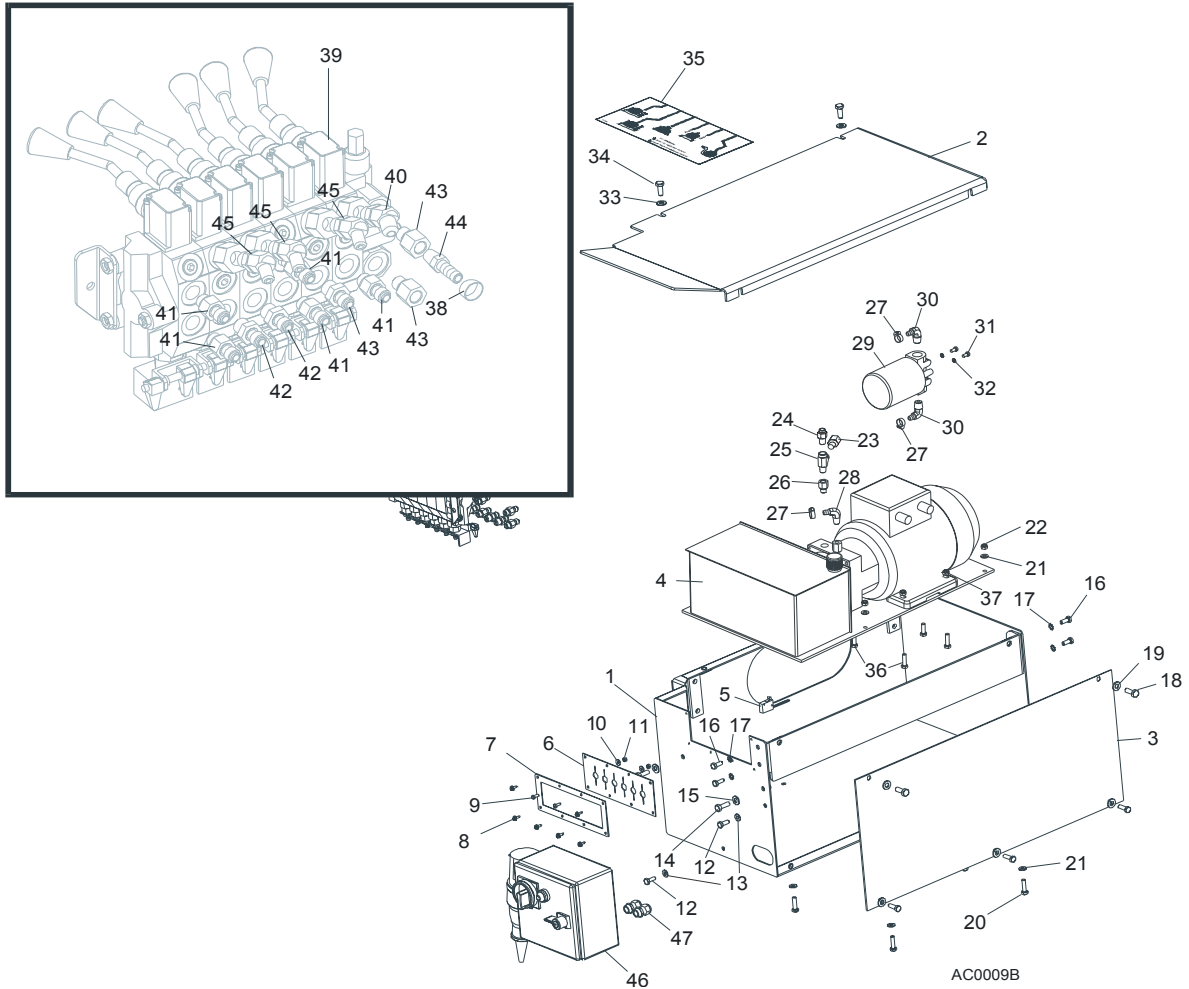
9.1 Hydraulic Hoses, LT20 Series AH



| COLOR | LENGTH "A" | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY |
|-------------|------------|--|--------|-----|
| None | 10" | 3/8" HYDRAULIC PUMP TO VALVE | 087774 | 1 |
| Plain | 27" | 3/8" LOG TURNER CYLINDER BASE | 014796 | 1 |
| Orange | 22" | 3/8" LOG TURNER CYLINDER TOP | 087775 | 1 |
| Yellow | 129" | 1/4" FRONT TOE BOARD TOP (LT40S) | 087790 | 1 |
| | 151" | 1/4" FRONT TOE BOARD TOP (LT40M) | 087776 | 1 |
| Gray | 129" | 1/4" FRONT TOE BOARD BASE (LT40S) | 087790 | 1 |
| | 151" | 1/4" FRONT TOE BOARD BASE (LT40M) | 087776 | 1 |
| Plain | 166" | 3/8" SIDE SUPPORT CYLINDER TOP (LT40S) | 087791 | 1 |
| | 188" | 3/8" SIDE SUPPORT CYLINDER TOP (LT40M) | 087777 | 1 |
| Pink | 168" | 3/8" SIDE SUPPORT CYLINDER BASE (LT40S) | 087791 | 1 |
| | 188" | 3/8" SIDE SUPPORT CYLINDER BASE (LT40M) | 087777 | 1 |
| White | 145" | 3/8" CLAMP CYLINDER TOP (LT40S) | 087792 | 1 |
| | 157" | 3/8" CLAMP CYLINDER TOP (LT40M) | 087778 | 1 |
| Dark Orange | 129" | 3/8" CLAMP CYLINDER BASE (LT40S) | 087793 | 1 |
| | 151" | 3/8" CLAMP CYLINDER BASE (LT40M) | 087779 | 1 |
| Purple | 204" | 1/4" REAR TOE BOARD TOP (LT40S) | 087794 | 1 |
| | 226" | 1/4" REAR TOE BOARD TOP (LT40M) | 087780 | 1 |
| Black | 204" | 1/4" REAR TOE BOARD BASE (LT40S) | 087794 | 1 |
| | 226" | 1/4" REAR TOE BOARD BASE (LT40M) | 087780 | 1 |
| Green | 62" | 3/8" LOADING ARM BRANCH TOP | 014797 | 2 |
| Yellow | 63" | 3/8" LOADING ARM BRANCH BASE | 014798 | 1 |
| Yellow | 71" | 3/8" LOADING ARM BRANCH BASE | 093329 | 1 |
| Blue | 171" | 3/8" LOADING ARM CYLINDER TOP (LT40S) | 087795 | 1 |
| | 193" | 3/8" LOADING ARM CYLINDER TOP (LT40M) | 087781 | 1 |
| Red | 171" | 3/8" LOADING ARM CYLINDER BOTTOM (LT40S) | 087795 | 1 |
| | 193" | 3/8" LOADING ARM CYLINDER BOTTOM (LT40M) | 087781 | 1 |
| Green | 180" | 1/4" CLAMP UP (LT40S) | 087796 | 1 |
| | 202" | 1/4" CLAMP UP (LT40M) | 087789 | 1 |
| Yellow | 180" | 1/4" CLAMP DOWN (LT40S) | 087796 | 1 |
| | 202" | 1/4" CLAMP DOWN (LT40M) | 087789 | 1 |
| White | 157" | 3/8" FRONT LOG CLAMP, IN/OUT CYLINDER BOTTOM (A/DH5) | 094778 | 1 |
| Orange | 157" | 3/8" FRONT LOG CLAMP, IN/OUT CYLINDER TOP (A/DH5) | 094778 | 1 |
| Red | 150" | 3/8" FRONT LOG CLAMP, UP/DOWN CYLINDER BOTTOM (A/DH5) | 094779 | 1 |

| | | | | | |
|--------|------|--|--------|---|--|
| Blue | 150" | 3/8" FRONT LOG CLAMP, UP/DOWN CYLINDER TOP (A/DH5) | 094779 | 1 | |
| White | 236" | 3/8" REAR LOG CLAMP, IN/OUT CYLINDER BOTTOM (A/DH5) | 094780 | 1 | |
| Orange | 236" | 3/8" REAR LOG CLAMP, IN/OUT CYLINDER TOP (A/DH5) | 094780 | 1 | |
| Red | 220" | 3/8" REAR LOG CLAMP, UP/DOWN CYLINDER BOTTOM (A/DH5) | 094781 | 1 | |
| Blue | 220" | 3/8" REAR LOG CLAMP, UP/DOWN CYLINDER TOP (A/DH5) | 094781 | 1 | |
| Plain | 15" | 3/8" VALVE TO OIL FLOW CONTROL VALVE (A/DH5) | 094782 | 1 | |
| Plain | 21" | 3/8" HYDRAULIC PUMP W/MOTOR TO OIL FLOW CONTROL VALVE (A/DH5) | 087775 | 1 | |
| Red | 1,50 | 1/4" FIRST CLAMP, UP/DOWN CYLINDER BOTTOM (AH7) | 095211 | 1 | |
| Blue | 1,50 | 1/4" FIRST CLAMP, UP/DOWN CYLINDER TOP (AH7) | 095211 | 1 | |
| Red | 4,00 | 1/4" SECOND CLAMP, UP/DOWN CYLINDER BOTTOM (AH7) | 095212 | 1 | |
| Blue | 4,00 | 1/4" SECOND CLAMP, UP/DOWN CYLINDER TOP (AH7) | 095212 | 1 | |
| Red | 7,70 | 1/4" THIRD CLAMP, UP/DOWN CYLINDER BOTTOM (AH7) | 095213 | 1 | |
| Blue | 7,70 | 1/4" THIRD CLAMP, UP/DOWN CYLINDER TOP (AH7) | 095213 | 1 | |
| Orange | 0,40 | 1/4" HYDRAULIC VALVE POWER CORD TO CLAMP IN/OUT CYLINDER T-FITTING, BOTTOM (AH7) | 095214 | 1 | |
| White | 0,40 | 1/4" HYDRAULIC VALVE POWER CORD TO CLAMP IN/OUT CYLINDER T-FITTING, TOP (AH7) | 095214 | 1 | |
| Orange | 7,00 | 1/4" THIRD CLAMP, IN/OUT CYLINDER BOTTOM (AH7) | 095215 | 1 | |
| White | 7,00 | 1/4" THIRD CLAMP, IN/OUT CYLINDER TOP (AH7) | 095215 | 1 | |
| Orange | 2,50 | 1/4" FIRST/SECOND CLAMP, IN/OUT CYLINDER BOTTOM (AH7) | 095216 | 1 | |
| White | 2,50 | 1/4" FIRST/SECOND CLAMP, IN/OUT CYLINDER TOP (AH7) | 095216 | 1 | |
| Orange | 1,20 | 1/4" FIRST/SECOND CLAMP, IN/OUT CYLINDER BOTTOM (AH7) | 095217 | 1 | |
| White | 1,20 | 1/4" FIRST/SECOND CLAMP, IN/OUT CYLINDER TOP (AH7) | 095217 | 1 | |

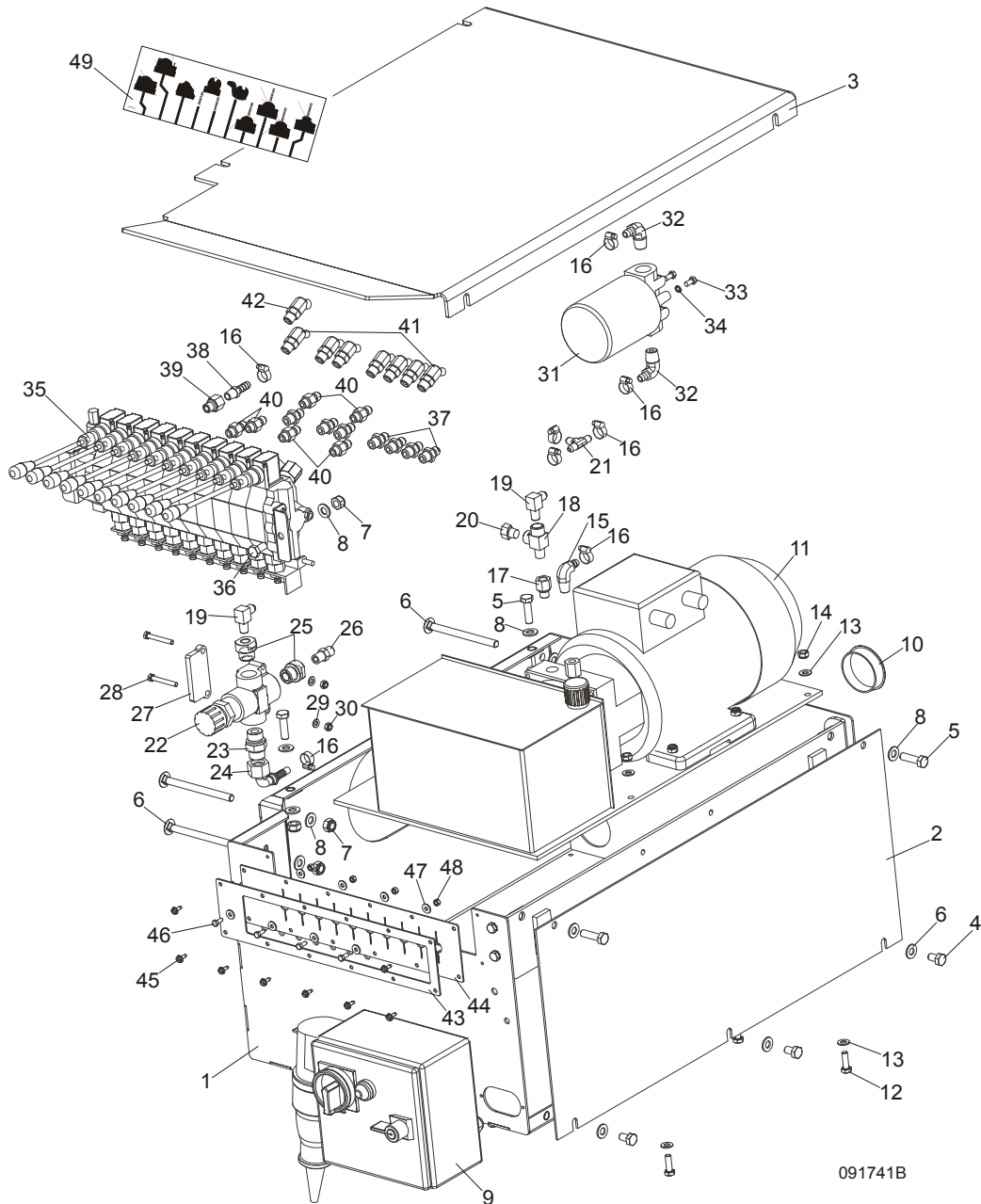
9.2 Hydraulic Control Box, LT20 Series AH3



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| | BOX, AC SUPER HYDRAULIC (EA20, EA25) | 086791 | 1 |
| | Cap, SR1086 22.2 Hole | 093544 | 2 |
| 1 | BOX WELDMENT, HYDRAULIC PUMP HOUSING | 092243-1 | 1 |
| 2 | COVER, AC HYDRAULIC PUMP HOUSING TOP | 086485-1 | 1 |
| 3 | COVER, AC HYDRAULIC PUMP HOUSING SIDE | 086484-1 | 1 |
| 4 | HYDRAULIC PUMP W/MOTOR, 4 KW 14.5 L/MIN AC | 093459 | 1 |
| 5 | Microswitch, 2A 125V Hydraulic Valve | 014765 | 1 |
| 6 | GUARD, DOUBLE VALVE RUBBER | 015079 | 1 |
| 7 | PLATE, AC VALVE PAINTED | 086519-1 | 1 |
| 8 | SCREW, #10 X 1/2 SLOTTED HEX SELF-TAPPING | F05015-7 | 6 |
| 9 | BOLT, M5X12-5.8 HEX HEAD FULL THREAD ZINC | F81000-5 | 2 |
| 10 | WASHER, 5.5 SPECIAL FLAT ZINC | F81052-3 | 2 |

| | | | | |
|----|---|-----------|----|--|
| 11 | NUT, M5-8 HEX ZINC | F81030-1 | 2 | |
| 12 | BOLT, M8 X 20-8.8-B HEX HEAD FULL THREAD ZINC | F81002-4 | 2 | |
| 13 | WASHER, 8.4 FLAT ZINC | F81054-1 | 2 | |
| 14 | BOLT, 3/8-16X1 HEX HEAD ZINC GRADE 8 | F05007-7 | 2 | |
| 15 | WASHER, 10.5 FLAT ZINC | F81055-1 | 2 | |
| 16 | BOLT, M8 X 20-8.8-B HEX HEAD FULL THREAD ZINC | F81002-4 | 4 | |
| 17 | WASHER, 8.4 EXTERNAL STAR LOCK | F81054-3 | 4 | |
| 18 | BOLT, M10 X 25-8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 4 | |
| 19 | WASHER, 10.5 FLAT ZINC | F81055-1 | 4 | |
| 20 | BOLT, M8 X 25-8.8-B HEX HEAD FULL THREAD ZINC | F81002-5 | 4 | |
| 21 | WASHER, 8.4 FLAT ZINC | F81054-1 | 4 | |
| 22 | NUT, M8-8-B HEX NYLON ZINC LOCK | F81032-2 | 4 | |
| 23 | PLUG, 1/4" NPT EXTERNAL THREAD | 096221 | 1 | |
| 24 | FITTING, 1/4NPT X 1/4JIC MALE | P09143 | 1 | |
| 25 | FITTING, 1/4NPT X 1/4JIC MALE RUN TEE | P09141 | 1 | |
| 26 | FITTING, 6SAE MALE - 1/4NPT FEMALE | 014686 | 1 | |
| 27 | CLAMP, 11/16 HOSE | P12739 | 3 | |
| 28 | FITTING, 3/8" NPT - 3/8" BARB ELBOW | P12708 | 1 | |
| 29 | MANIFOLD, 1.2" W/FILTER | P22683 | 1 | |
| 30 | FITTING, 1/2" NPT - 3/8" BARB ELBOW | P12707 | 2 | |
| 31 | BOLT, 1/4-20 X 1/2" HEX HEAD ZINC GRADE 2 | F05005-15 | 2 | |
| 32 | WASHER, 6.1 SPLIT LOCK ZINC | F81053-3 | 2 | |
| 33 | WASHER, 10.5 FLAT ZINC | F81055-1 | 2 | |
| 34 | BOLT, M10 X 25-8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 2 | |
| 35 | DECAL, 1997 SUPER HYDRAULIC CONTROL BOX | 015364 | 1 | |
| 36 | BOLT, M8 X 30-8.8-B HEX HEAD FULL THREAD ZINC | F81002-7 | 4 | |
| 37 | NUT, M8-8-B HEX NYLON ZINC LOCK | F81032-2 | 4 | |
| 38 | CLAMP, 11/16" HOSE | P12739 | 10 | |
| 39 | VALVE, HYDRAULIC 6-SECTION | 086589 | 1 | |
| | MICROSWITCH ASSEMBLY, HYDRAULIC VALVE | 024198 | 1 | |
| 40 | FITTING, #6 SAE 45° ELBOW | 015489 | 1 | |
| 41 | FITTING, 3/8" O-RING - 3/8" JIC | 014687 | 5 | |
| 42 | FITTING, 3/8" O-RING - 1/4" JIC | P26284 | 3 | |
| 43 | FITTING, #6 SAE MALE - 1/4" NPT FEMALE | 014686 | 2 | |
| 44 | FITTING, 1/4" NPT X 3/8" HOSE BARB | 014685 | 1 | |
| 45 | FITTING, #6 SAE - 1/4" JIC 45° ELBOW | 015488 | 3 | |
| 46 | ELECTRIC BOX, AC 4KW (SUPER ONLY) | 086820 | 1 | |
| 47 | GLAND, DP 11/H CABLE (SUPER ONLY) | 085388 | 2 | |

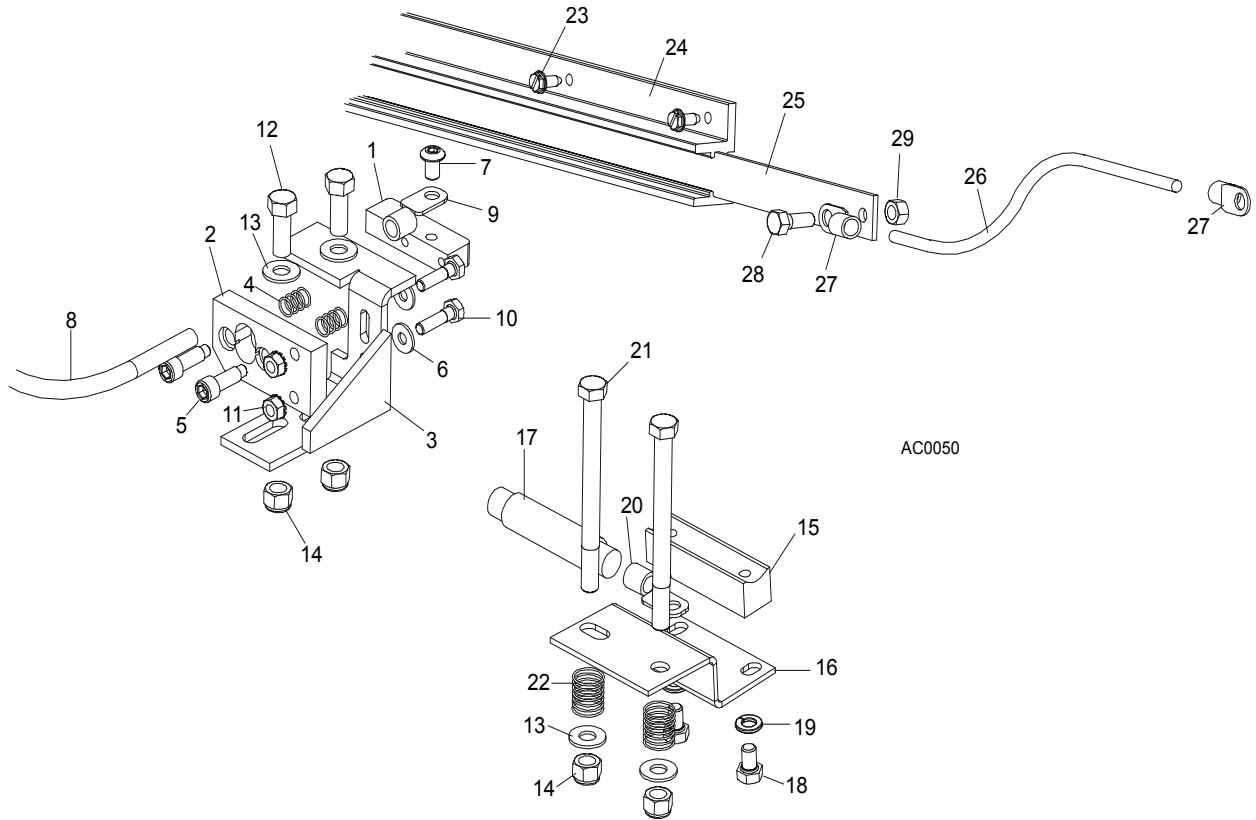
9.3 Hydraulic Control Box, LT20 Series AH5/7



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | BOX ASSEMBLY, LT20 AH5 HYDRAULIC CONTROL | 093128 | 1 |
| 1 | Box Weldment, Hydraulic Pump Housing | 091729-1 | 1 |
| | Bracket, AC Hydraulic Control Box Complete | 086518-1 | 1 |
| | Bolt, M8x20-8.8-B Hex Head Full Thread Zinc | F81002-4 | 4 |
| | Washer, 8.4 External Star | F81054-3 | 4 |
| 2 | Cover, AC Hydraulic Pump Housing Side | 086484-1 | 1 |
| 3 | Cover, AC/DC Hydraulic Pump Housing Top | 091734-1 | 1 |
| 4 | Bolt, M10x16-8.8 Hex Head Full Thread Zinc | F81003-13 | 3 |

| | | | | |
|----|---|-----------|----|--|
| 5 | Bolt, M10x35-8.8 Hex Head Full Thread Zinc | F81003-17 | 4 | |
| 6 | Bolt, M10x125 8.8 Carriage Head Zinc | F81003-34 | 4 | |
| 7 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 6 | |
| 8 | Washer, 10.5 Flat Zinc | F81055-1 | 13 | |
| 9 | Box, 4kW AC Electric | 089799 | 1 | |
| 10 | Cap, HSA2790 (63.6 Dia.) | 092859 | 1 | |
| 11 | Hydraulic Pump W/Motor, 4 kW 14.5 l/min AC | 093459 | 1 | |
| 12 | Bolt, M8 x 25-8.8-B Hex Head Full Thread Zinc | F81002-5 | 4 | |
| 13 | Washer, 8.4 Flat Zinc | F81054-1 | 8 | |
| 14 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 4 | |
| 15 | Fitting, 3/8" NPT - 3/8" Barb Elbow | P12708 | 1 | |
| 16 | Clamp, 11/16 Hose | P12739 | 8 | |
| 17 | Fitting, 6 SAE Male - 1/4 NPT Female | 014686 | 1 | |
| 18 | Fitting, 1/4 NPT x 1/4 JIC Male Run Tee | P09141 | 1 | |
| 19 | Fitting, 3/8 JIC - 1/4 NPT 90L | 015491 | 2 | |
| 20 | Plug, 1/4" NPT Blank | 096221 | 1 | |
| 21 | Fitting, 3/8" Barb Tee | 015485 | 1 | |
| 22 | Valve, MTKA.VB Oil Flow Control | 093794 | 1 | |
| 23 | Fitting, VMNW10HS22 | 094486 | 1 | |
| 24 | Fitting, PN10AOL13-90 Elbow | 094485 | 1 | |
| 25 | Fitting, M22x1.5 / 1/4 - 18 NPT Zinc | 093139-1 | 2 | |
| 26 | Fitting, 3/8JIC-1/4 NPT Straight | 015560 | 1 | |
| 27 | Plate, MTKA Control Valve Spacer Zinc-Plated | 094477-1 | 1 | |
| 28 | Bolt, M6x45-8.8 Hex Head Zinc | F81001-6 | 2 | |
| 29 | Washer, 6.4 Flat Zinc | F81053-1 | 2 | |
| 30 | Nut, M6-8-B Hex Nylon Zinc Lock | F81031-2 | 2 | |
| 31 | Manifold, 1.2" W/Filter | P22683 | 1 | |
| 32 | Fitting, 1/2" NPT - 3/8" Barb Elbow | P12707 | 2 | |
| 33 | Bolt, 1/4-20 x 1/2" Hex Head Zinc Grade 2 | F05005-15 | 2 | |
| 34 | Washer, Z6.1 Split Lock Zinc | F81053-3 | 2 | |
| 35 | Valve, HDS11/10 6-Section Hydraulic | 091344 | 1 | |
| 36 | Bolt, M10x20-5.8 Hex Head Full Thread Zinc | F81003-1 | 2 | |
| 37 | Fitting, 3/8" O-Ring - 1/4" JIC | P26284 | 7 | |
| 38 | Fitting, 1/4" NPT x 3/8" Hose Barb | 014685 | 1 | |
| 39 | Fitting, #6 SAE Male - 1/4" NPT Female | 014686 | 1 | |
| 40 | Fitting, 3/8" O-Ring - 3/8" JIC | 014687 | 6 | |
| 41 | Fitting, #4 SAE - #6 SAE 45° Elbow | 015488 | 7 | |
| 42 | Fitting, #6 SAE 45° Elbow | 015489 | 1 | |
| 43 | Plate, 10-Section Valve Painted | 091826-1 | 1 | |
| 44 | Guard, 10-Section Valve Rubber | 091739 | 1 | |
| 45 | Screw, #10-24x1/2 Self-Tapping | F05015-7 | 8 | |
| 46 | Bolt, M5x12-5.8 Hex Head Full Thread Zinc | F81000-5 | 4 | |
| 47 | Washer, 5.5 Special Flat Zinc-Plated | F81052-3 | 8 | |
| 48 | Nut, M5-8 Hex Zinc | F81030-1 | 4 | |
| 49 | Decal, AH5 Hydraulic Control Box | 094795 | 1 | |
| | Decal, AH7 Hydraulic Control Box | 094970 | 1 | |

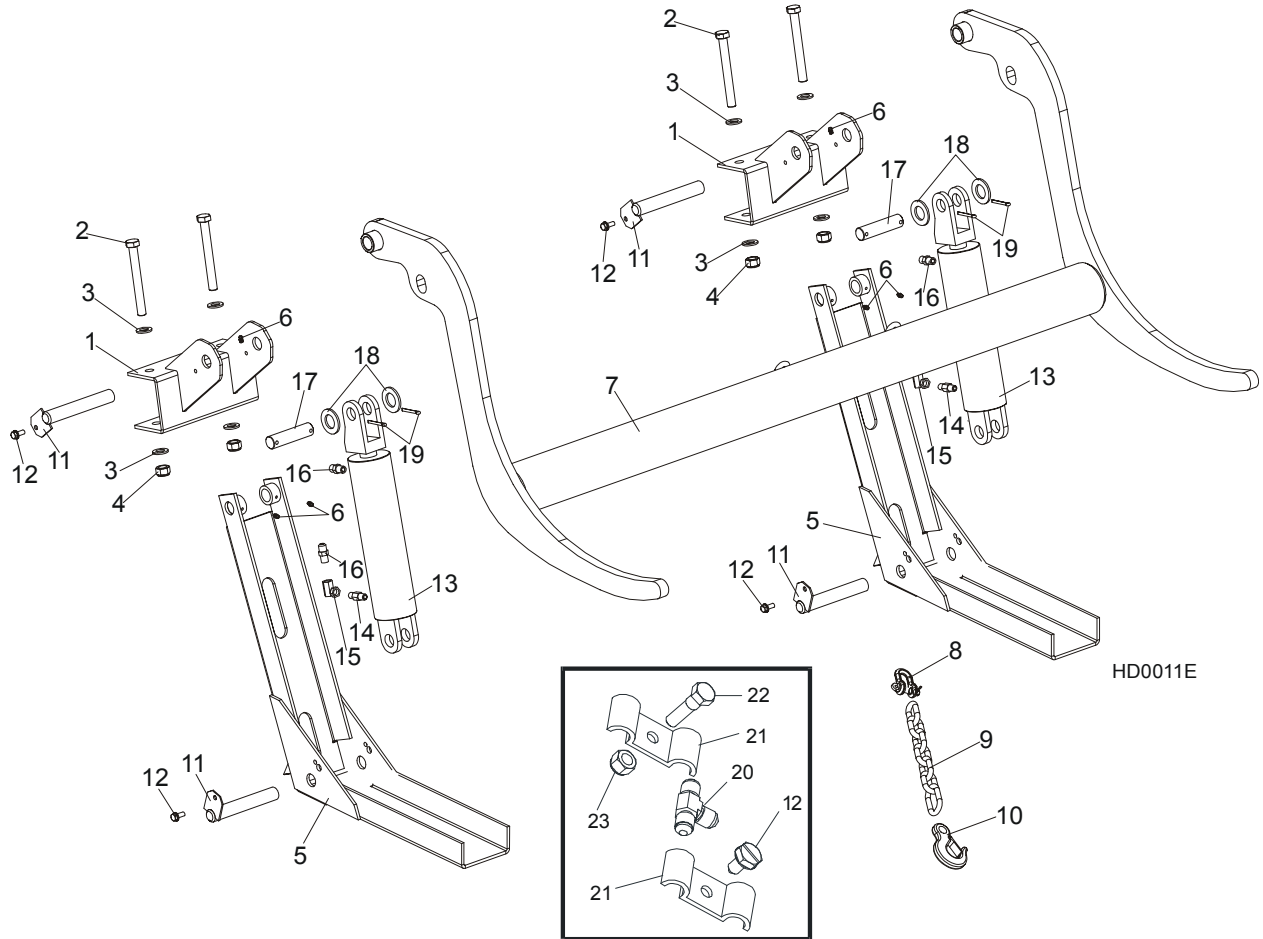
9.4 Hydraulic Power Supply Strip



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----|--|-----------|------|---|
| | CONTACT ASSEMBLY, HYDRAULIC POWER SUPPLY (POSITIVE) | 086625 | 1 | |
| 1 | Contact, Hydraulic Power Supply (Positive) | 015253 | 1 | |
| 2 | Insulator, Positive Contact | S10072 | 1 | |
| 3 | Bracket, Positive Contact Mounting | 086380-1 | 1 | |
| 4 | Spring, Positive Contact | P10077 | 2 | |
| 5 | Bolt, 5/16" X 3/4" Shoulder (1/4-20 Thread) | F05006-44 | 2 | |
| 6 | Washer, 8.4 Flat Zinc | F81054-1 | 2 | |
| 7 | Bolt, 5/16-18 x 1/2" Socket Button Head | F05006-20 | 1 | |
| 8 | Cable, LGY 1mm2 Red | R80583-2 | 1 m | ◆ |
| 9 | Terminal, KO 1/10 | F81064-11 | 2 | |
| 10 | Bolt, 1/4-20 X 1" Hex Head Zinc Grade 2 | F05005-38 | 2 | |
| 11 | Nut, 1/4-20 Self-Locking Zinc | F05010-9 | 2 | |
| 12 | Bolt, 3/8-16 X 1 Hex Head Zinc Grade 5 | F05007-87 | 2 | |
| 13 | Washer, 10.5 Flat Zinc | F81055-1 | 4 | |
| 14 | Nut, 3/8-16 Hex Nylon Lock | F05010-10 | 4 | |
| | CONTACT ASSEMBLY, HYDRAULIC POWER SUPPLY (GROUND) | 086624 | 1 | |
| 15 | Contact, Hydraulic Power Supply (Ground) | 015264 | 1 | |
| 16 | Bracket, Ground Contact Mounting | 090254-1 | 1 | |
| 17 | Cable, LGY 1mm2 Black | R80583-21 | .21m | ◆ |

| | | | | |
|-----------|---|-----------|-----|---|
| 18 | Bolt, 5/16-18 x 1/2 Hex Head Zinc Grade 5 | F05006-15 | 2 | |
| 19 | Washer, 8.2 Split Lock Zinc | F81054-4 | 2 | |
| 20 | Terminal, KO 1/10 | F81064-11 | 1 | |
| 21 | Bolt, 3/8-16 x 4 1/2 Hex Head Zinc Grade 2 | F05007-35 | 2 | |
| 22 | Spring, Ground Contact | P04282 | 2 | |
| 23 | Screw, 1/4-20 x 1/2" Type "23" Self-Tapping | F05015-1 | 14 | |
| | STRIP ASSEMBLY, HYDRAULIC POWER SUPPLY | 086653 | 1 | |
| 24 | Housing, Contact Strip | 086685 | 1 | |
| 25 | Strip, Contact | 086686 | 1 | ◆ |
| 26 | Cable, LgY 1mm ² Black | R80583-21 | 19m | ◆ |
| 27 | Terminal, KO 1/10 | F81064-11 | 42 | |
| 28 | Bolt, 5/16-18 X 3/4" Hex Head Black Nylon | F05006-45 | 1 | |
| 29 | Nut, 5/16-18 Hex Self-Locking | F05010-86 | 1 | |

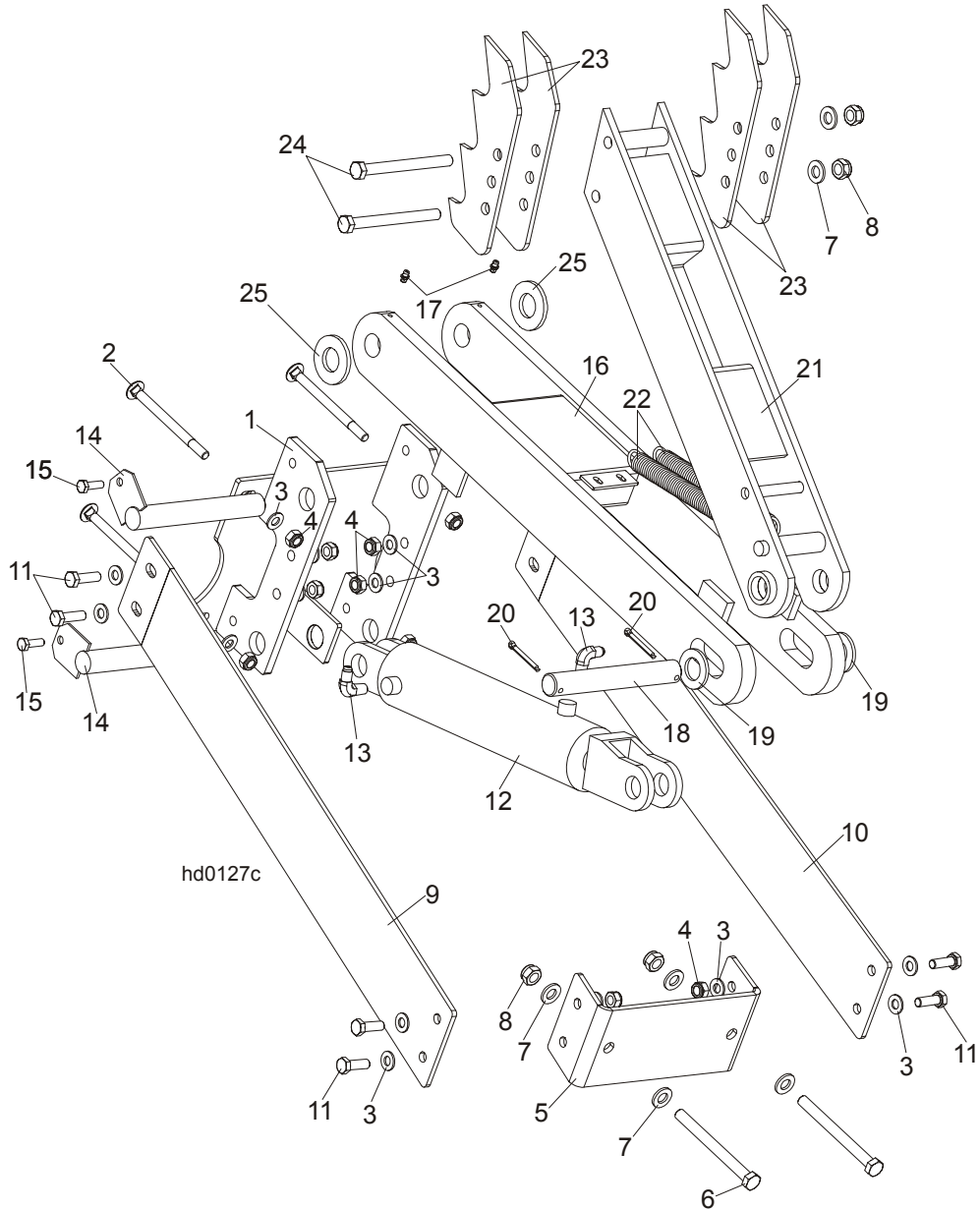
9.5 Hydraulic Log Loader



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | HYDRAULIC LOG LOADER - COMPLETE | 092863 | 1 |
| 1 | Bracket, Log Loader Mount | 092865-1 | 1 |
| 2 | Bolt, M16x140-8.8 Hex Head Zinc | F81006-4 | 4 |
| 3 | Washer, 17 Flat Zinc | F81058-1 | 8 |
| 4 | Nut, M16-8 Hex Nylon Zinc Lock | F81036-2 | 4 |
| | Channel, Hydraulic Log Loading Foot Complete | 090049 | 2 |
| 5 | Channel, Hydraulic Log Loading Foot | 090048-1 | 2 |
| 6 | Fitting, 3/16x3/16 Straight Grease | P04107 | 6 |
| | Arm, Hydraulic Log Loading Complete | 090044 | 1 |
| 7 | | | |
| 8 | Arm, Hydraulic Log Loading | 090006-1 | 1 |
| 9 | Shackle, M-D .63 | 086540 | 1 |
| 10 | Chain, Hydraulic Log Loader Safety | 090007-1 | 1 |
| 11 | Hook, 5/8 Safety Chain | P12075 | 1 |
| 12 | Pin, Turner Arm | W09446-1 | 4 |
| 13 | Screw, 5/16-18x3/4 Self-Tapping | F05015-30 | 4 |

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|----|--|-----------|---|--|
| 14 | Cylinder Assy, Log Loading Super | 015562 | 2 | |
| 15 | Fitting, 1/4NPT Velocity Fuse 5.0GPM | 015750 | 2 | |
| 16 | Fitting, 1/4NPT-1/4JIC Swivel Elbow | P12199 | 2 | |
| 17 | Fitting, 3/8JIC-1/4NPT Straight | 015560 | 4 | |
| 18 | Sworzeń mocujący tŁok ramienia ładowarki | 086979-1 | 2 | |
| 19 | Washer, 28 Flat Zinc | F81061-1 | 4 | |
| 20 | Narkętką M16-8-Fe/Zn5 PN-M/82175 | F81036-2 | 4 | |
| 21 | Fitting, 1/4JIC Union Tee | P09145 | 2 | |
| 22 | Fitting, 3/8 Barb Tee | 015485 | 1 | |
| 23 | Plate, 1/4 Hose Clamp Painted | S09245 | 6 | |
| 24 | Clamp, 3/8 Hose | 016041 | 2 | |
| 25 | Bolt, 5/16-18x1 Hex Head Zinc Grade 2 | F05006-1 | 1 | |
| 26 | Nut, 5/16-18 Self-Locking Nylon Zinc | F05010-58 | 1 | |

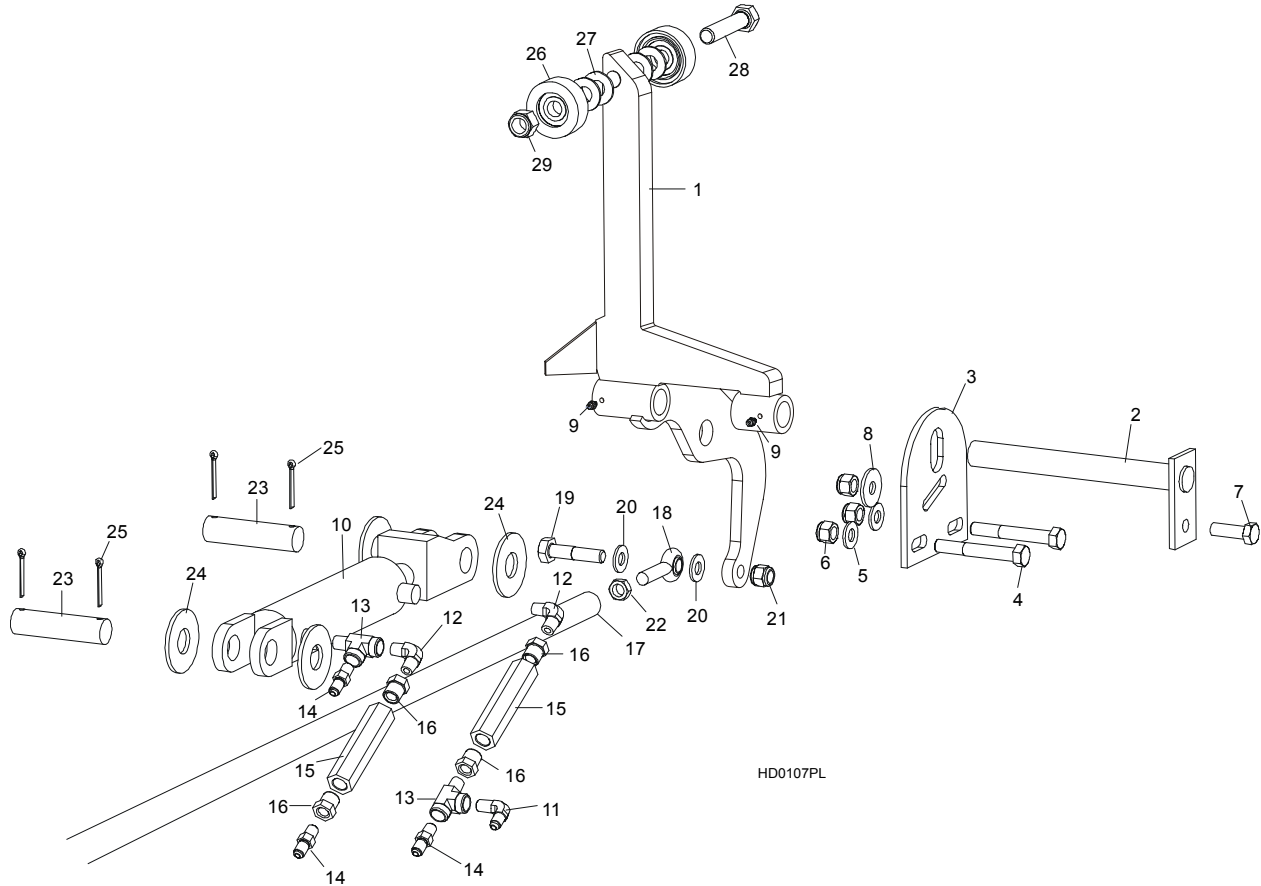
9.6 Hydraulic Log Turner



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | HYDRAULIC LOG TURNER OPTION (S/M TYPE FRAME) | 088711 | 1 |
| 1 | Bracket, Hydraulic Log Turner (S/M TYPE FRAME) | 088710-1 | 1 |
| 2 | Bolt, M10x120 8.8 Carriage Head Zinc | F81003-33 | 4 |
| 3 | Washer, 10.5 Flat Zinc | F81055-1 | 20 |
| 4 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 12 |
| 5 | Bracket, Hydraulic Log Turner Front | 091046-1 | 1 |
| 6 | Bolt, M12x130-8.8 Hex Head Zinc | F81004-36 | 2 |
| 7 | Washer, 13 Flat Zinc | F81056-1 | 6 |
| 8 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 4 |

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|----|---|-----------|---|--|
| 9 | Plate, Hydraulic Log Turner Left | 091048-1 | 1 | |
| 10 | Plate, Hydraulic Log Turner Right | 091049-1 | 1 | |
| 11 | Bolt, M10x30-5.8 Hex Head Full Thread Zinc | F81003-2 | 8 | |
| | Cylinder Assy, Log Turner Super | 015563 | 1 | |
| 12 | Cylinder, C-J-S305-16-63/28/203 Hydraulic | 088679 | 1 | |
| 13 | Fitting, 1/4NPTx1/4JIC Male Elbow | P09142 | 2 | |
| 14 | Pin, Log Turner Mount | 088667-1 | 2 | |
| 15 | Bolt, M8x25-8.8-B Hex Head Full Thread Zinc | F81002-5 | 2 | |
| 16 | Arm, Hydraulic Log Turner Link | 088060-1 | 1 | |
| 17 | Fitting, M6 Grease | 086280 | 2 | |
| 18 | Pin, 25 X 180 | 088664 | 1 | |
| 19 | Washer, 25 Flat Zinc | F81061-3 | 2 | |
| 20 | Pin, 5x40 Cotter | F81043-31 | 2 | |
| 21 | Arm, Hydraulic Log Turner Painted | 088067-1 | 1 | |
| 22 | Spring, 7/8x8 1/2x1/8 Extension | P09136 | 2 | |
| 23 | Claw, Hydraulic Log Turner | 088082-1 | 4 | |
| 24 | Bolt, M12x130-8.8 Hex Head Zinc | F81004-36 | 2 | |
| 25 | Washer, GTM-2644-015 | 093359 | 2 | |

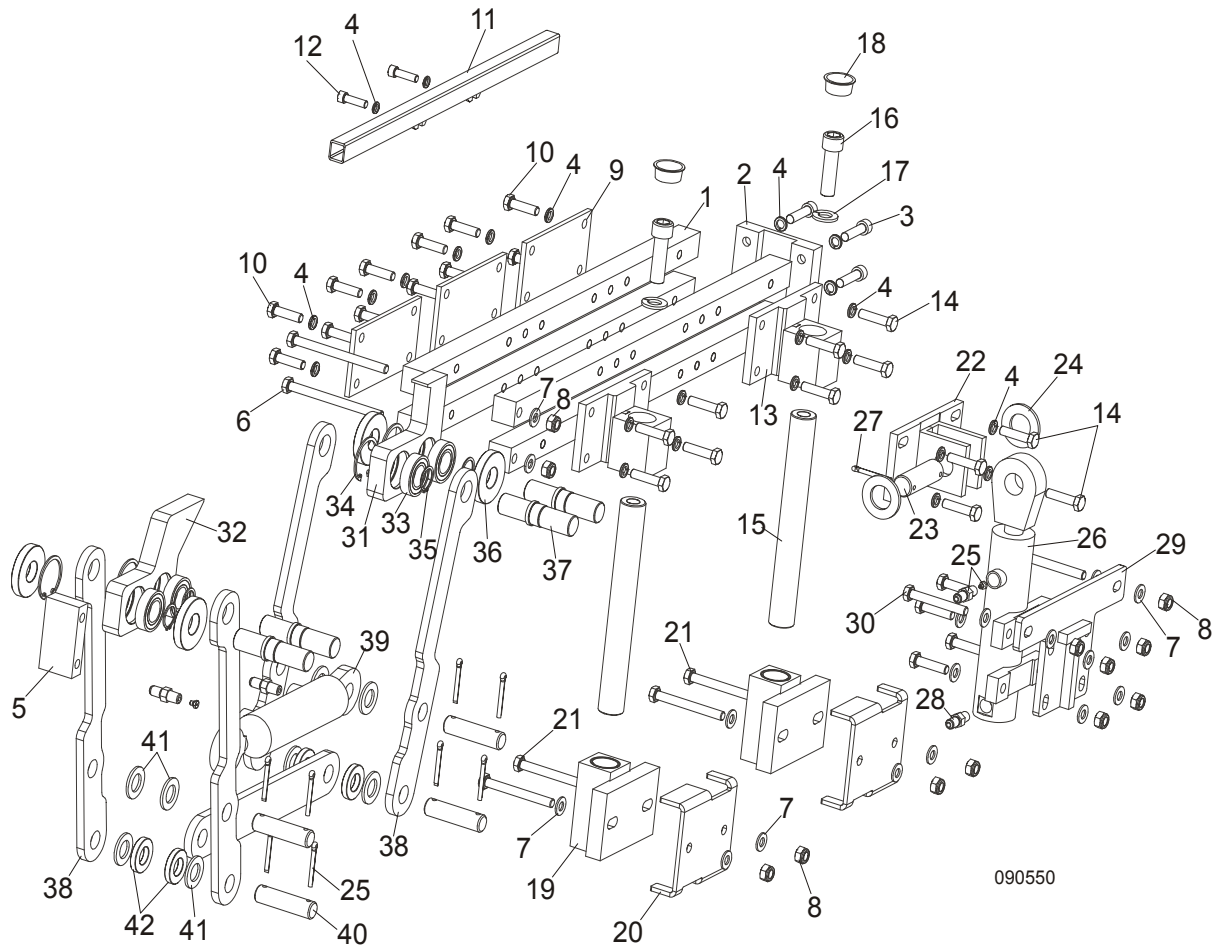
9.7 Hydraulic Log Side Supports



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----------|--|----------|------|---|
| | SUPPORT, HYDRAULIC LOG SIDE | 092611 | 1 | |
| 1 | MOUNTING KIT, HYDRAULIC LOG SIDE SUPPORT | 091653-1 | 2 | |
| 2 | Pin, Log Side Support Pivot | 091549-1 | 1 | |
| 3 | Plate, Log Side Support End | 091591-1 | 1 | |
| 4 | Bolt, M12 x 40-8.8 Hex Head Full Thread Zinc | F81004-4 | 2 | |
| 5 | Washer, 13 Flat Zinc | F81056-1 | 2 | |
| 6 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 3 | |
| 7 | Bolt, M12 x 40-8.8 Hex Head Full Thread Zinc | F81004-4 | 1 | |
| 8 | Washer, 45/13 Lock | 086184 | 1 | |
| 9 | FITTING, 3/16" STRAIGHT GREASE | P04107 | 4 | |
| | CYLINDER ASSEMBLY, HYDRAULIC LOG SIDE SUPPORT | A09283 | 1 | |
| | CYLINDER ASSEMBLY, SUPER HYDRAULIC LOG SIDE SUPPORT | 015561 | 1 | |
| 10 | Cylinder, CJ-S270-16-50/28/152 Hydraulic | 088678 | 1 | ◆ |
| | Seal Kit, 6" x 2" Hydraulic Cylinder | P12954 | 1 | |
| 11 | Fitting, 90° Male Elbow | P09142 | 1 | |
| 12 | Fitting, 3/8" JIC - 1/4" NPT 90L Elbow | 015491 | 2 | |
| 13 | Fitting, #C3529X4 90° Elbow | P09140 | 2 | |

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|----|--|------------|---|--|
| 14 | Fitting, C3759X4 Male Tee | P09141 | 2 | |
| 15 | Fitting, 3/8" JIC - 1/4" NPT Straight | 015560 | 2 | |
| 16 | Fitting, C5205x4x4 Male Connector | P09143 | 3 | |
| 17 | Valve, Side Support Sequence | 015484 | 2 | |
| 18 | Fitting, 3/8" NPT - 1/4" NPT Reducer | 015490 | 4 | |
| 19 | ROD, SIDE SUPPORT LINK ZINC-PLATED | 087037-1 | 1 | |
| 20 | ROD END (RIGHT THREAD) | 087035 | 1 | |
| | ROD END (LEFT THREAD) | 087036 | 1 | |
| 21 | BOLT, M12 X 60-8.8 HEX HEAD ZINC | F81004-5 | 2 | |
| 22 | WASHER, 13 FLAT ZINC | F81056-1 | 4 | |
| 23 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 | |
| 24 | NUT, M12-04-A RIGHT HEX THIN | F81034-6 | 1 | |
| | NUT, M12-04-A LEFT HEX THIN | F81034-7 | 1 | |
| 25 | PIN, HYDRAULIC CYLINDER ZINC-PLATED | 086979-1 | 2 | |
| 26 | WASHER, 28 FLAT ZINC | F81061-1 | 4 | |
| 27 | PIN, 5 X 40 COTTER | F81043-31 | 4 | |
| | ROLLER KIT, SIDE SUPPORT (OPTIONAL) | 015109 | 2 | |
| 28 | Roller Assembly, Side Support Painted | 015014-1 | 2 | |
| 29 | Washer, 17 Flat Zinc | F81058-1 | 4 | |
| 30 | Bolt, 5/8-11 x 3" Hex Head Grade 5 | F05009-37 | 1 | |
| 31 | Nut, 5/8-11 Nylon Lock Zinc | F05010-34 | 1 | |
| | Instruction Sheet, Side Support Roller | 015109-526 | 1 | |

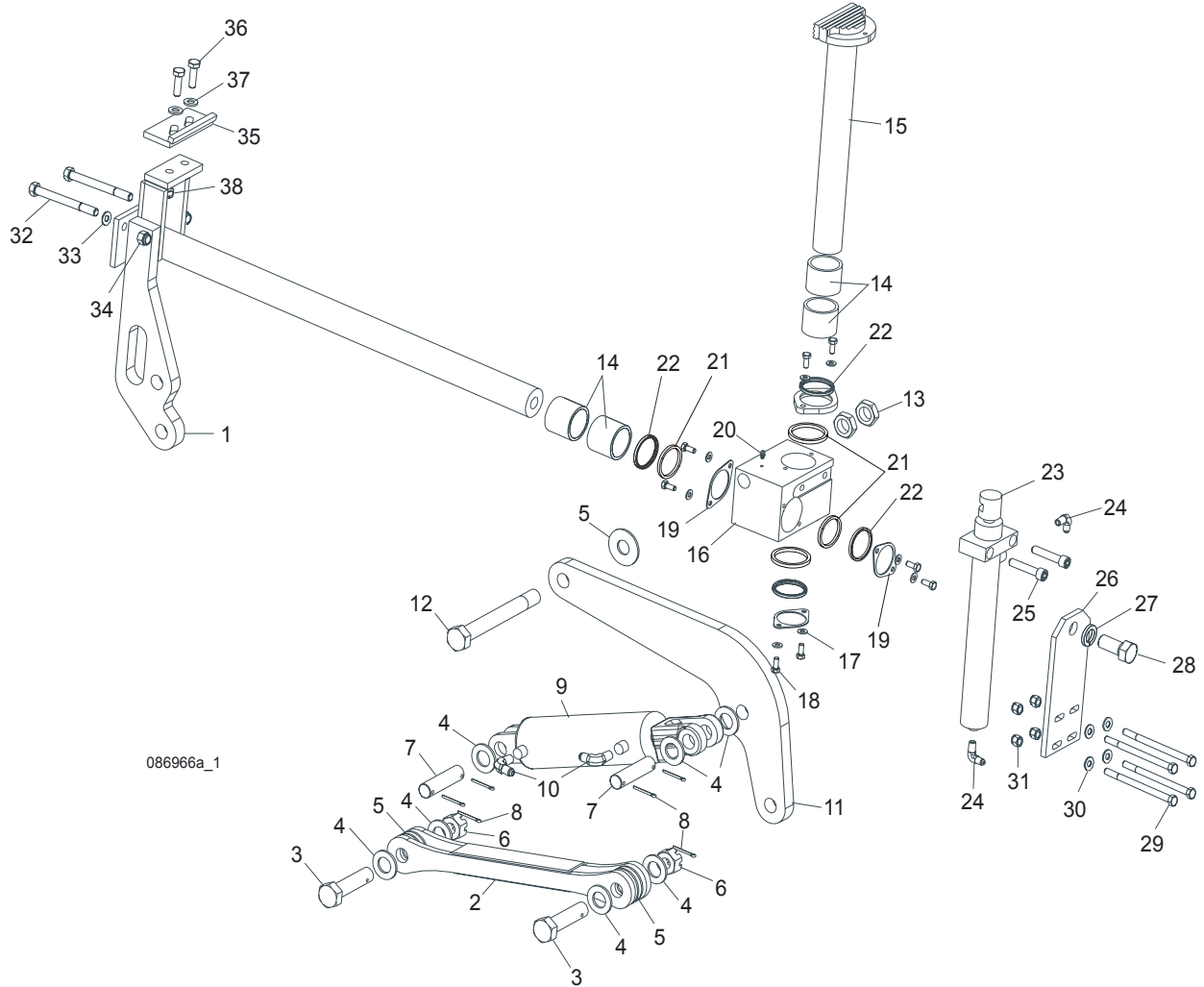
9.8 Hydraulic Log Clamp, Front



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | CLAMP ASSEMBLY, FRONT HYDRAULIC 2-POSITION | 090550 | 1 |
| 1 | Bar, Log Clamp Main Painted | 090542-1 | 4 |
| 2 | Plate Weldment, Main Bar Mounting Painted | 089533-1 | 1 |
| 3 | Screw, M10x40 Hex Socket Head Cap Zinc | F81003-22 | 4 |
| 4 | Washer, 10.2 Split Lock Zinc | F81055-2 | 26 |
| 5 | Block, Main Bar Spacer Painted | 088645-1 | 1 |
| 6 | Bolt, M10x125-8.8 Hex Head Full Thread Zinc | F81003-18 | 2 |
| 7 | Washer, 10.5 Flat Zinc | F81055-1 | 22 |
| 8 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 12 |
| 9 | Plate, Log Clamp Rear Painted | 089538-1 | 3 |
| 10 | Bolt, M10x35-8.8 Hex Head Full Thread Zinc | F81003-17 | 12 |
| 11 | Tube Weldment, Front 2-Position Clamp Painted | 091601-1 | 1 |
| 12 | Screw, M10x35 Hex Socket Head Cap Zinc | F81003-56 | 2 |

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|----|---|-----------|----|--|
| 13 | Block Weldment, Log Clamp Up/Down Upper | 089536-1 | 2 | |
| 14 | Bolt, M10x40-8.8 Hex Head Full Thread Zinc | F81003-16 | 16 | |
| 15 | Pin, Log Clamp Up/Down | 088631 | 2 | |
| 16 | Screw, M16x55 Hex Socket Head Cap Zinc | F81006-18 | 2 | |
| 17 | Washer, 17 Flat Zinc | F81058-1 | 2 | |
| 18 | Plug, M33 Thread | 089839 | 2 | |
| 19 | Block Weldment, Log Clamp Up/Down Lower Painted | 090545-1 | 2 | |
| 20 | Bracket, Log Clamp Mount Painted | 091592-1 | 2 | |
| 21 | Bolt, M10x90-8.8 Hex Head Full Thread Zinc | F81003-66 | 4 | |
| 22 | Bracket, Vertical Cylinder Mount Upper | 089540-1 | 1 | |
| 23 | Pin, 25x75 Zinc-Plated | 088659-1 | 1 | |
| 24 | Washer, 28 Flat Zinc | F81061-1 | 2 | |
| 25 | Pin, S-Zn 5x40 Cotter | F81043-31 | 10 | |
| 26 | Cylinder, CJ7F-16/40/22 + UE2-40W Hydraulic | 091346 | 1 | |
| 27 | Fitting, Male W/Gas Nozzle | 091031 | 2 | |
| 28 | Fitting, 1/4NPTx1/4JIC Male | P09143 | 2 | |
| 29 | Plate Weldment, Clamp Cylinder Mount Painted | 093690-1 | 1 | |
| 30 | Bolt, M10x75-8.8 Hex Head Full Thread Zinc | F81003-15 | 2 | |
| | Jaw, Log Clamp Left - Complete | 094700 | 1 | |
| | Jaw, Log Clamp Right - Complete | 094701 | 1 | |
| 31 | Jaw, Log Clamp Left | 093464-1 | 1 | |
| 32 | Jaw, Log Clamp Right | 093465-1 | 1 | |
| 33 | Bearing, 6005 2RS CX | 089652 | 4 | |
| 34 | Ring, W47 Inside Retaining | 089653 | 4 | |
| 35 | Ring, Z24 Outside Retaining | 089654 | 4 | |
| 36 | Washer, Clamp Jaw Spacer | 089542 | 4 | |
| 37 | Shaft, Clamp Jaw Guide | 088620-1 | 4 | |
| 38 | Bar, Clamp In/Out Lower | 091593-1 | 4 | |
| 39 | Cylinder, SJ2F-16-40/22/90 X type Hydraulic | 091345 | 1 | |
| 40 | Pin, 20x75 Zinc-Plated | 088657-1 | 4 | |
| 41 | Washer, 21 Flat Zinc | F81059-2 | 8 | |
| 42 | Spacer, Lower | 089541 | 4 | |

9.9 Hydraulic Log Clamp, Main

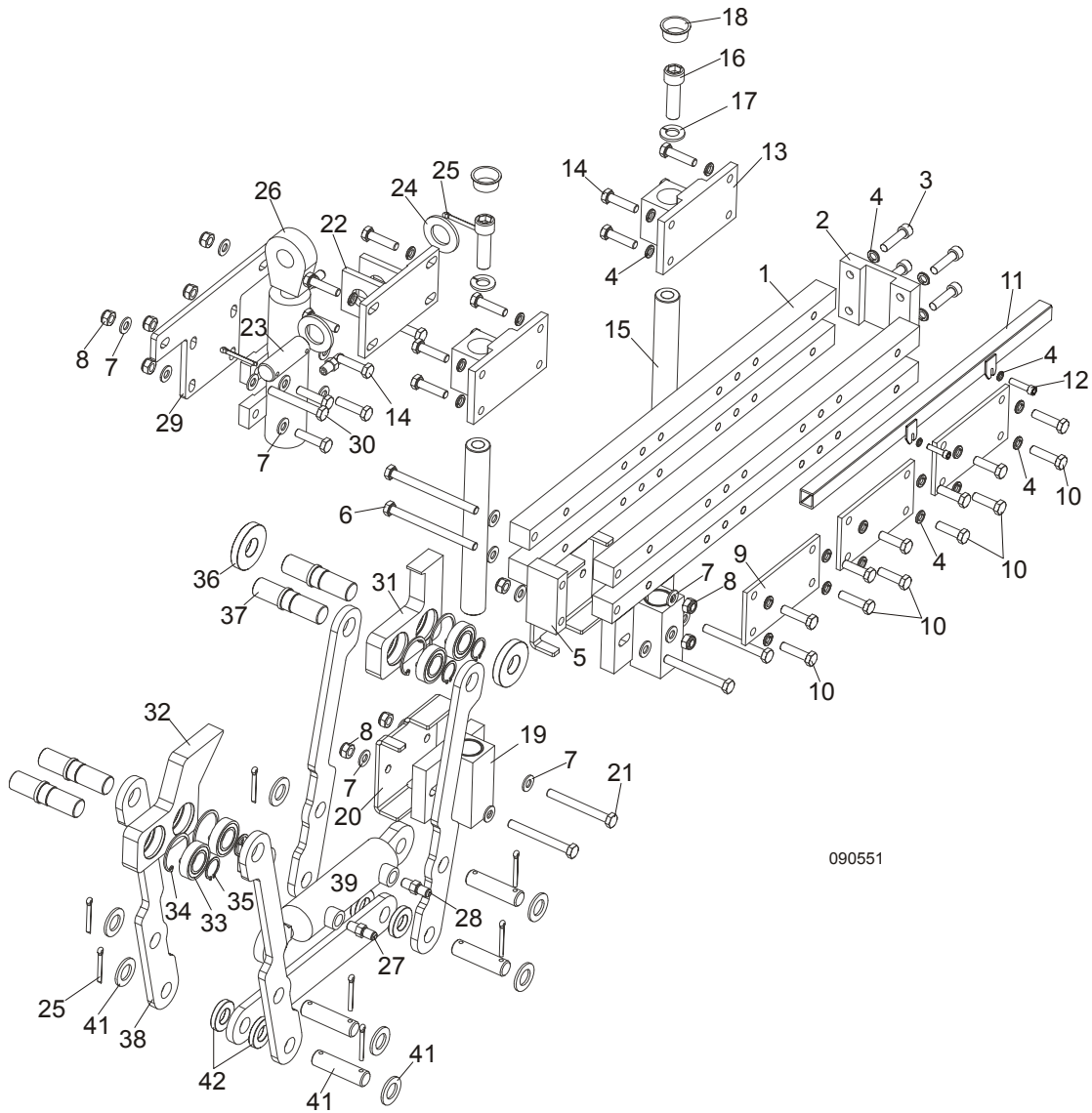


086966a_1

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|----------|------|
| | LOG CLAMP ASSEMBLY, TWO-PLANE | 088658 | 1 |
| 1 | Rod Weldment, Log Clamp Slide Painted | 086967-1 | 1 |
| 2 | Arm Weldment, Hydraulic Clamp Link Painted | 086963-1 | 1 |
| 3 | Pin, B 24x95/85 Clevis Zinc | F81049-2 | 1 |
| 4 | Washer, 25 Flat Zinc | F81061-3 | 8 |
| 5 | Washer, 25x63 Zinc-Plated | 088585-1 | 5 |
| 6 | Nut, M20-8-3 Hex Slotted Castle Zinc | F81037-3 | 2 |
| 7 | Pin, Hydraulic Cylinder Zinc-Plated | 086979-1 | 2 |
| 8 | Pin, 6.3x45 Cotter Zinc | F81045-2 | 6 |
| 9 | Cylinder, CJ-S96-16-70/32/178 Hydraulic | 088589 | 1 |
| 10 | Fitting, 1/4" NPT - 1/4" JIC Male Elbow | P09142 | 2 |
| 11 | Arm, Hydraulic Log Clamp Link Painted | 086974-1 | 1 |

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|----|--|-----------|---|--|
| 12 | Bolt, M24x217/39 -8.8-B Hex Head Zinc | 088586-1 | 1 | |
| 13 | Nut, M24 -04-B Hex Thin Zinc | F81039-3 | 2 | |
| 14 | Bushing, 5040BS Self-Lubricating | 088660 | 2 | |
| 15 | Rod Weldment, Log Clamp Vertical Painted | 088582-1 | 1 | |
| 16 | Block, Log Clamp Painted Steel | 088591-1 | 1 | |
| 17 | Washer, 8.4 Flat Zinc | F81054-1 | 8 | |
| 18 | Bolt, M8x20-8.8-B Hex Head Full Thread Zinc | F81002-4 | 8 | |
| 19 | Flange, Clamp Rod Wiper Painted | 088887-1 | 3 | |
| 20 | Fitting, 3/16" Straight Grease | P04107 | 1 | |
| 21 | Spacer, Log Clamp | 089324 | 1 | |
| 22 | Wiper, ZZ 50x60x7 INCO Log Clamp Rod | 088587 | 1 | |
| 23 | Cylinder, C-J-S169-16-40/22/254 Hydraulic | 088590 | 1 | |
| 24 | Fitting, 1/4" NPT - 1/4" JIC Male Elbow | P09142 | 2 | |
| 25 | Screw, M12x55 -8.8-B Hex Socket Head Cap Zinc | F81004-23 | 2 | |
| 26 | Plate, Log Clamp Mount Painted | 086975-1 | 1 | |
| 27 | Washer, Z 22.5 Split Lock Zinc | F81059-4 | 1 | |
| 28 | Bolt, M22x1.5x40-8.8-B Hex Head Full Thread Zinc | F81009-1 | 1 | |
| 29 | Bolt, M10x125-8.8 Hex Head Zinc | F81003-18 | 4 | |
| 30 | Washer, 10.5 Flat Zinc | F81055-1 | 4 | |
| 31 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 4 | |
| 32 | Bolt, M12 x 140-8.8 Hex Head Zinc | F81004-37 | 2 | |
| 33 | Washer, 13 Flat Zinc | F81056-1 | 2 | |
| 34 | Nut, M12-8-B Hex Zinc | F81034-1 | 2 | |
| | STOP ASSEMBLY, LOG CLAMP | K09485 | 1 | |
| 35 | Stop Weldment, Hydraulic Log Clamp Painted | 086980-1 | 1 | |
| 36 | Bolt, M12 x 40-8.8 Hex Head Full Thread Zinc | F81004-4 | 2 | |
| 37 | Washer, 13 Flat Zinc | F81056-1 | 2 | |
| 38 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 2 | |

9.10 Hydraulic Log Clamp, Rear

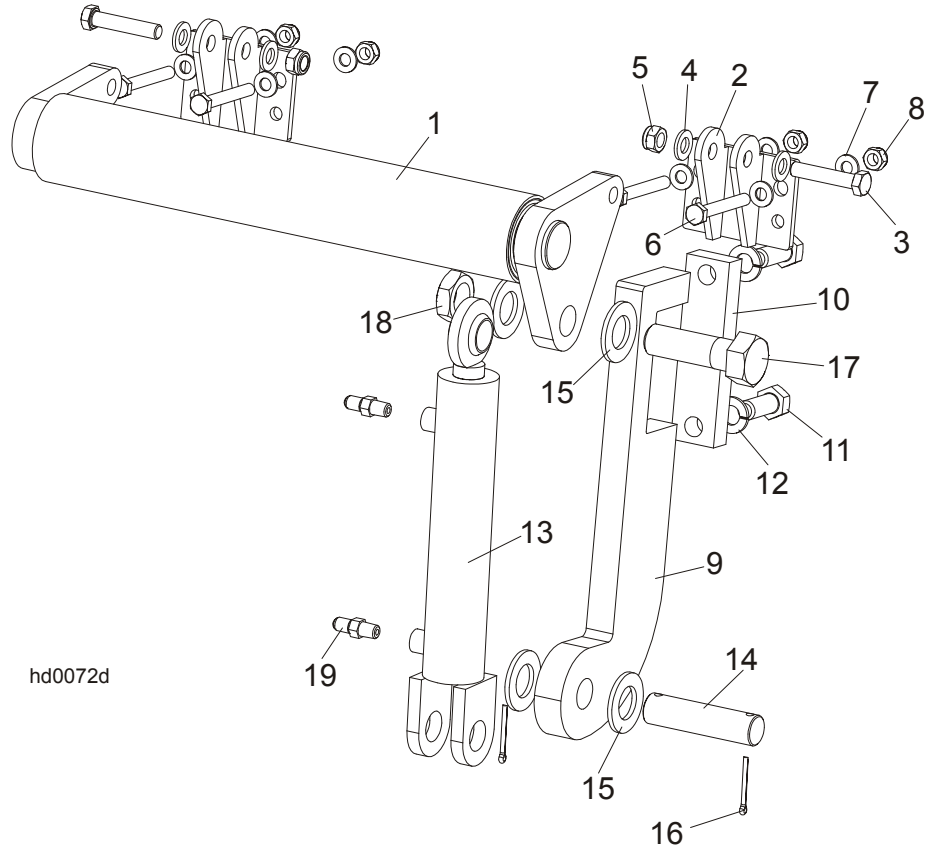


090551

| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | CLAMP ASSEMBLY, REAR HYDRAULIC 2-POSITION | 090551 | 1 |
| 1 | Bar, Log Clamp Main Painted | 090542-1 | 4 |
| 2 | Plate Weldment, Main Bar Mounting Painted | 089533-1 | 1 |
| 3 | Screw, M10x40 Hex Socket Head Cap Zinc | F81003-22 | 4 |
| 4 | Washer, 10.2 Split Lock Zinc | F81055-2 | 26 |
| 5 | Block, Main Bar Spacer Painted | 088645-1 | 1 |
| 6 | Bolt, M10x125-8.8 Hex Head Full Thread Zinc | F81003-18 | 2 |
| 7 | Washer, 10.5 Flat Zinc | F81055-1 | 22 |
| 8 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 12 |

| | | | | |
|----|---|-----------|----|--|
| 9 | Plate, Log Clamp Rear Painted | 089538-1 | 3 | |
| 10 | Bolt, M10x35-8.8 Hex Head Full Thread Zinc | F81003-17 | 12 | |
| 11 | Tube Weldment, Rear 2-Position Clamp Painted | 091607-1 | 1 | |
| 12 | Screw, M10x35 Hex Socket Head Cap Zinc | F81003-56 | 2 | |
| 13 | Block Weldment, Log Clamp Up/Down Upper | 089536-1 | 2 | |
| 14 | Bolt, M10x40-8.8 Hex Head Full Thread Zinc | F81003-16 | 16 | |
| 15 | Pin, Log Clamp Up/Down | 088631 | 2 | |
| 16 | Screw, M16x55 Hex Socket Head Cap Zinc | F81006-18 | 2 | |
| 17 | Washer, 16.3 Split Lock Zinc | F81058-2 | 2 | |
| 18 | Plug, M33 Thread | 089839 | 2 | |
| 19 | Block Weldment, Log Clamp Up/Down Lower Painted | 090545-1 | 2 | |
| 20 | Bracket, Log Clamp Mount Painted | 091592-1 | 2 | |
| 21 | Bolt, M10x90-8.8 Hex Head Full Thread Zinc | F81003-66 | 4 | |
| 22 | Bracket, Vertical Cylinder Mount Upper | 089540-1 | 1 | |
| 23 | Pin, 25x75 Zinc-Plated | 088659-1 | 1 | |
| 24 | Washer, 28 Flat Zinc | F81061-1 | 2 | |
| 25 | Pin, S-Zn 5x40 Cotter | F81043-31 | 10 | |
| 26 | Cylinder, CJ7F-16/40/22 + UE2-40W Hydraulic | 091346 | 1 | |
| 27 | Fitting, Male W/Gas Nozzle | 091031 | 2 | |
| 28 | Fitting, 1/4NPTx1/4JIC Male | P09143 | 2 | |
| 29 | Plate Weldment, Clamp Cylinder Mount Painted | 093690-1 | 1 | |
| 30 | Bolt, M10x75-8.8 Hex Head Full Thread Zinc | F81003-15 | 2 | |
| | Jaw, Log Clamp Left - Complete | 094700 | 1 | |
| | Jaw, Log Clamp Right - Complete | 094701 | 1 | |
| 31 | Jaw, Log Clamp Left | 093464-1 | 1 | |
| 32 | Jaw, Log Clamp Right | 093465-1 | 1 | |
| 33 | Bearing, 6005 2RS CX | 089652 | 4 | |
| 34 | Ring, W47 Inside Retaining | 089653 | 4 | |
| 35 | Ring, Z24 Outside Retaining | 089654 | 4 | |
| 36 | Washer, Clamp Jaw Spacer | 089542 | 4 | |
| 37 | Shaft, Clamp Jaw Guide | 088620-1 | 4 | |
| 38 | Bar, Clamp In/Out Lower | 091593-1 | 4 | |
| 39 | Cylinder, SJ2F-16-40/22/90 X Type Hydraulic | 091345 | 1 | |
| 40 | Pin, 20x75 Zinc-Plated | 088657-1 | 4 | |
| 41 | Washer, 21 Flat Zinc | F81059-2 | 8 | |
| 42 | Spacer, Lower | 089541 | 4 | |

9.11 Hydraulic Toe Board



| REF | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|-----|--|-----------|------|
| | FRONT HYDRAULIC TOE BOARD | 092613 | 1 |
| | REAR HYDRAULIC TOE BOARD | 092634 | 1 |
| 1 | Toe Board Weldment, Front Hydraulic Painted | 092612-1 | 1 |
| | Toe Board Weldment, Rear Hydraulic Painted | 086253-1 | 1 |
| 2 | Bracket, Toe Board Roller Mount | 087903-1 | 2 |
| 3 | Bolt, M12x60-8.8 Hex Head Zinc | F81004-5 | 4 |
| 4 | Washer, 13 Flat Zinc | F81056-1 | 8 |
| 5 | Nut, M12-8 Hex Nylon Zinc Lock | F81034-2 | 4 |
| 6 | Bolt, M10x75-8.8 Hex Head Zinc | F81003-15 | 8 |
| 7 | Washer, 10.5 Flat Zinc | F81055-1 | 16 |
| 8 | Nut, M10-8-B Hex Nylon Zinc Lock | F81033-1 | 8 |
| 9 | Bracket, Toe Board Cylinder Mount Painted | 087729-1 | 2 |
| 10 | Plate, Toe Board Cylinder Mount | 090086-1 | 2 |
| 11 | Bolt, M16x40-8.8 Hex Head Full Thread Zinc | F81006-13 | 4 |
| 12 | Washer, 16.3 Split Lock Zinc | F81058-2 | 4 |
| 13 | Cylinder, CJ-S170-16-40/25/152 Hydraulic | 088681 | 2 |
| 14 | Pin, Hydraulic Cylinder Zinc-Plated | 086979-1 | 2 |
| 15 | Washer, 28 Flat Zinc | F81061-1 | 8 |
| 16 | Pin, 3/16x1.5" Cotter Zinc | F05012-23 | 4 |

| | | | | |
|-----------|-------------------------------------|------------|---|--|
| 17 | Bolt, 1"-8 x 3 1/4 Hex Head Grade 5 | F05009-51 | 2 | |
| 18 | Nut, 1"-14" Hex Jam Unplated | F05010-117 | 2 | |
| 19 | Fitting, C5205x4x4 Male | P09143 | 4 | |