



ISO9001:2015 certified



Parts Book

Our Tradition is Quality Driven and Field Proven

Revised: 4/17/24

Table of Contents

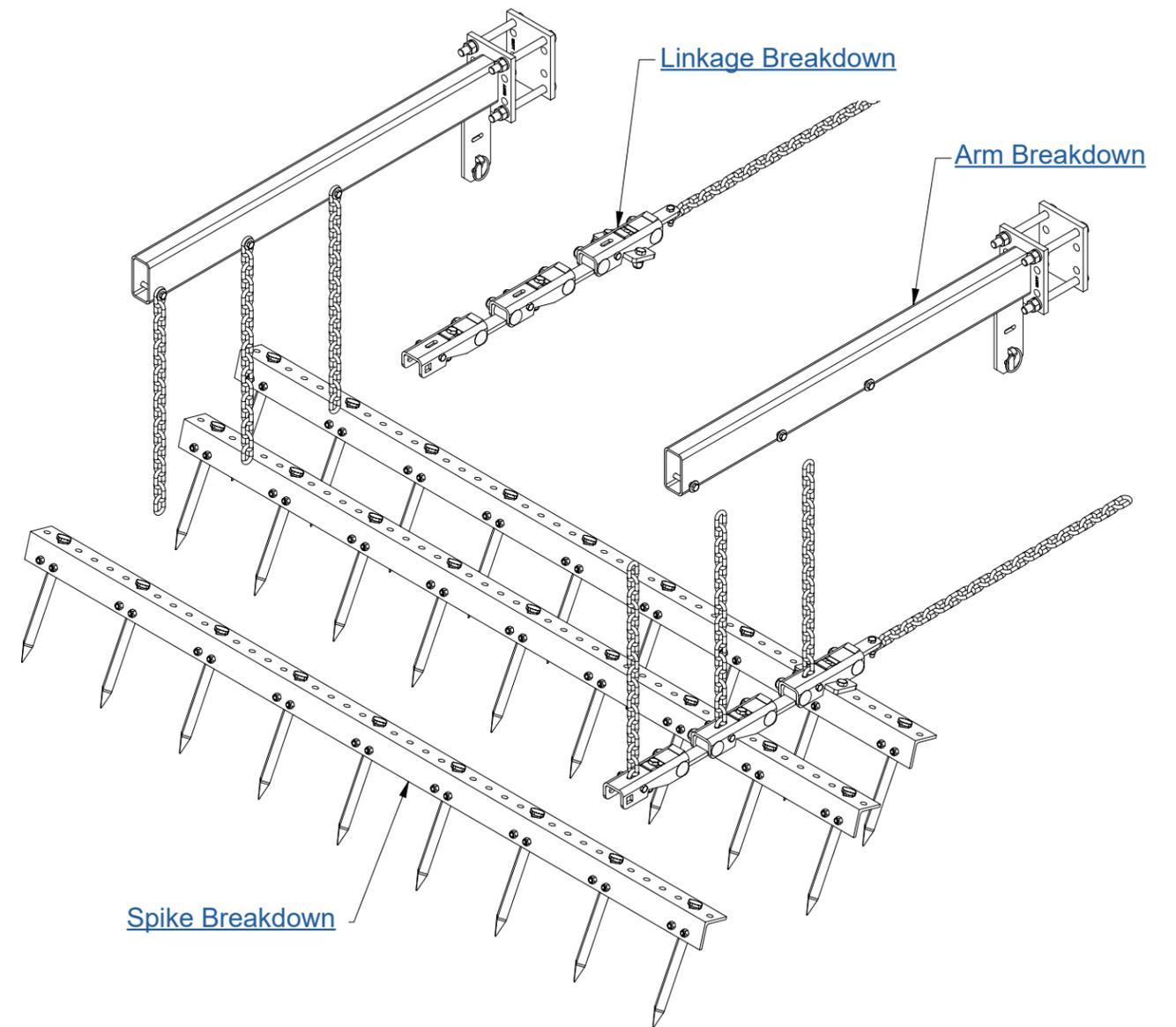
Flex Harrow	5
Flex Harrow Arm Breakdown	6
Flex Harrow Mounting Arms - LA & LH	7
Linkage Breakdown - LA.....	8
Tooth Bar Breakdown - LA.....	10
RH Flex - 18" O.A.L Extension Kit	12
RH Flex - 36" O.A.L Extension Kit	13
HD Flex Harrow	15
Linkage Breakdown - LH	16
Tooth Bar Breakdown - LH.....	18
HD Flex - 18" O.A.L. Extension Kit	20
HD Flex - 36" O.A.L. Extension Kit	21
Single Roller Harrow	23
Single Roller Arm Breakdown	24
Roller Breakdown	26
Double Roller Harrow	29
Double Roller Arm Breakdown.....	30
One Bar	32
One Bar Arm Breakdown	33
One Bar Tool Bar Breakdown	34
Spring Tine Harrow	36
Arm Breakdown - 3BS & 4BS	37
Parallel - Rail Breakdown	38
Tine Bar Breakdown - FR	40
3 Bar Tine Single Roller Harrow	41
STR Roller Arm.....	42
STR Mount Arm	44
Jumbo One Bar Harrow	45
Jumbo One Bar Arm Breakdown	46
Jumbo Tool Bar Breakdown	48
One Bar Harrow Single Roller Combination	50
One Bar Combination Mount Arm.....	51
One Bar Harrow Double Roller Combination	53
3BR & 4BR Flex Harrow	54
3BR/4BR Arm Breakdown	55

Center Cut Ditcher	56
Center Cut Ditcher Ripper Breakdown	57
Center Cut Ditcher (Front)	58
Center Cut Ditcher (Back).....	60
LH Offset Cut Ditcher	62
Offset Cut Ditcher Ripper Breakdown.....	63
LH Offset Cut Ditcher (Front)	64
LH Offset Cut Ditcher (Back)	66
RH Offset Cut Ditcher	69
RH Offset Cut Ditcher (Front)	70
RH Offset Cut Ditcher (Back).....	72
Rock Picker	75
Rock Picker Frame	76
Rock Picker Hitch	78
Rock Picker Reel & Scoop.....	80
Rock Picker Reel	82
Rock Picker Rock Deflector	83
Rock Picker Axle	84
Screening Bucket	85
VSB Hydraulic Vibrator (700-20 & 30)	86
Screening Bucket.....	88

This page is intentionally left blank.

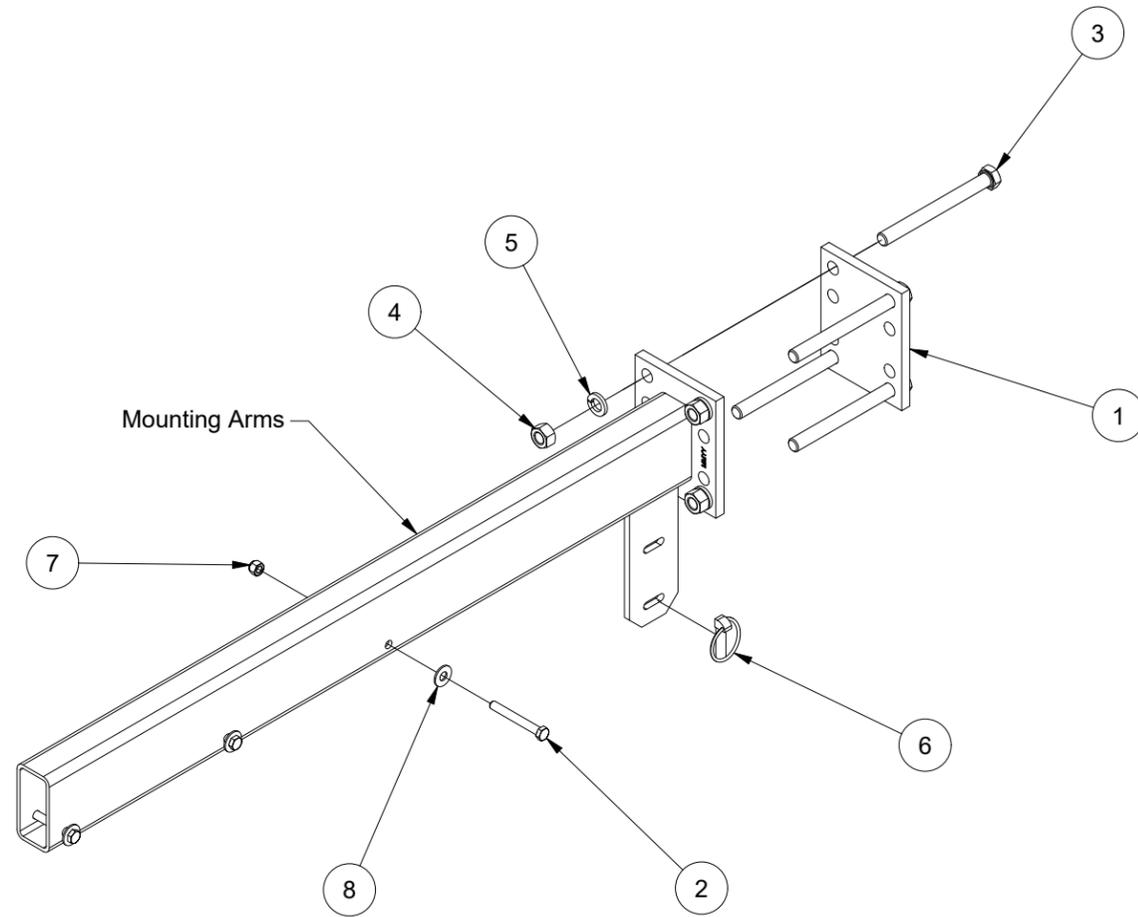
Parts Diagram

Flex Harrow



Parts Diagram

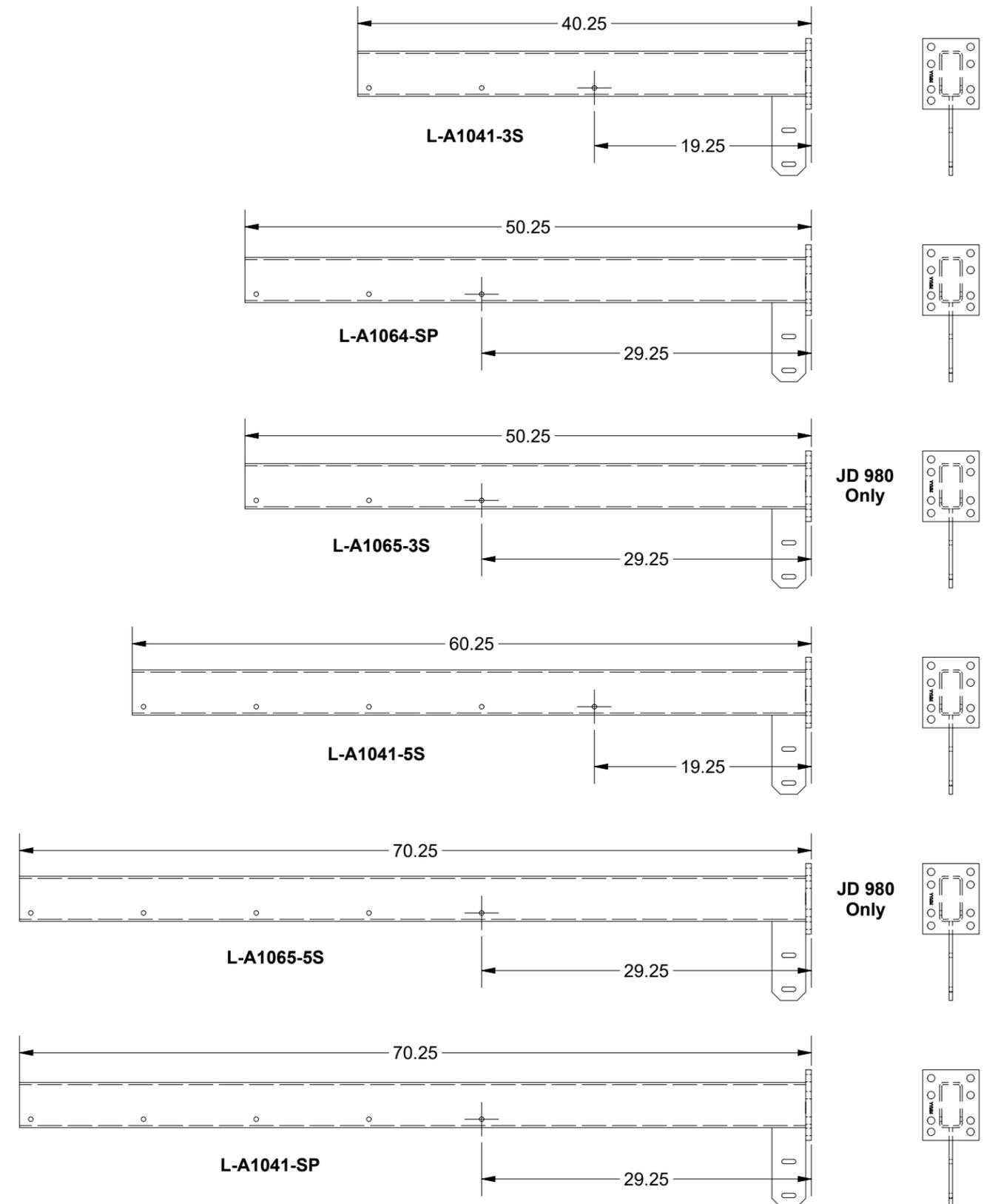
Flex Harrow Arm Breakdown



Item	Part Number	Description
1	F-00005P	Mounting Arm Plate - 8 Hole (4" Frame)
2	HCSGR50.375-16x3ZF	3/8-16 UNC x 3 Hex Cap Screw w/ Std. Thread
3	HCSGR50.625-11x6.5ZF	5/8-11 UNC x 6.5 Hex Cap Screw w/ Std. Thread
4	HN0.625-11ZF	5/8-11 UNC Hex Nut
5	LW0.625ZF	5/8 Lock Washer
6	Lynch Pin	7/16 x 1 3/4 Lynch Pin
7	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut
8	WU0.375ZF	3/8 USS Washer

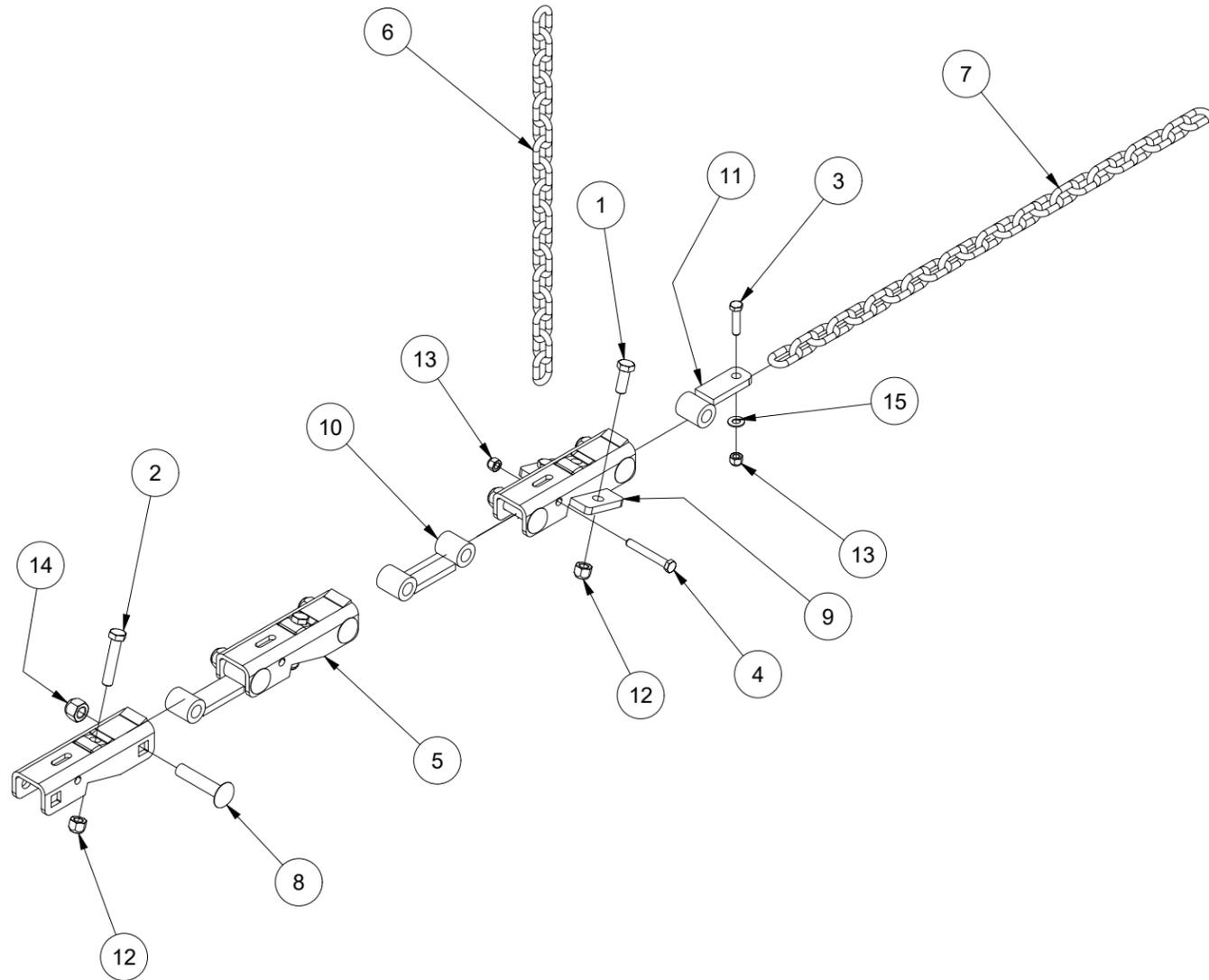
Parts Diagram

Flex Harrow Mounting Arms - LA & LH



Parts Diagram

Linkage Breakdown - LA



Parts Description

Linkage Breakdown - LA

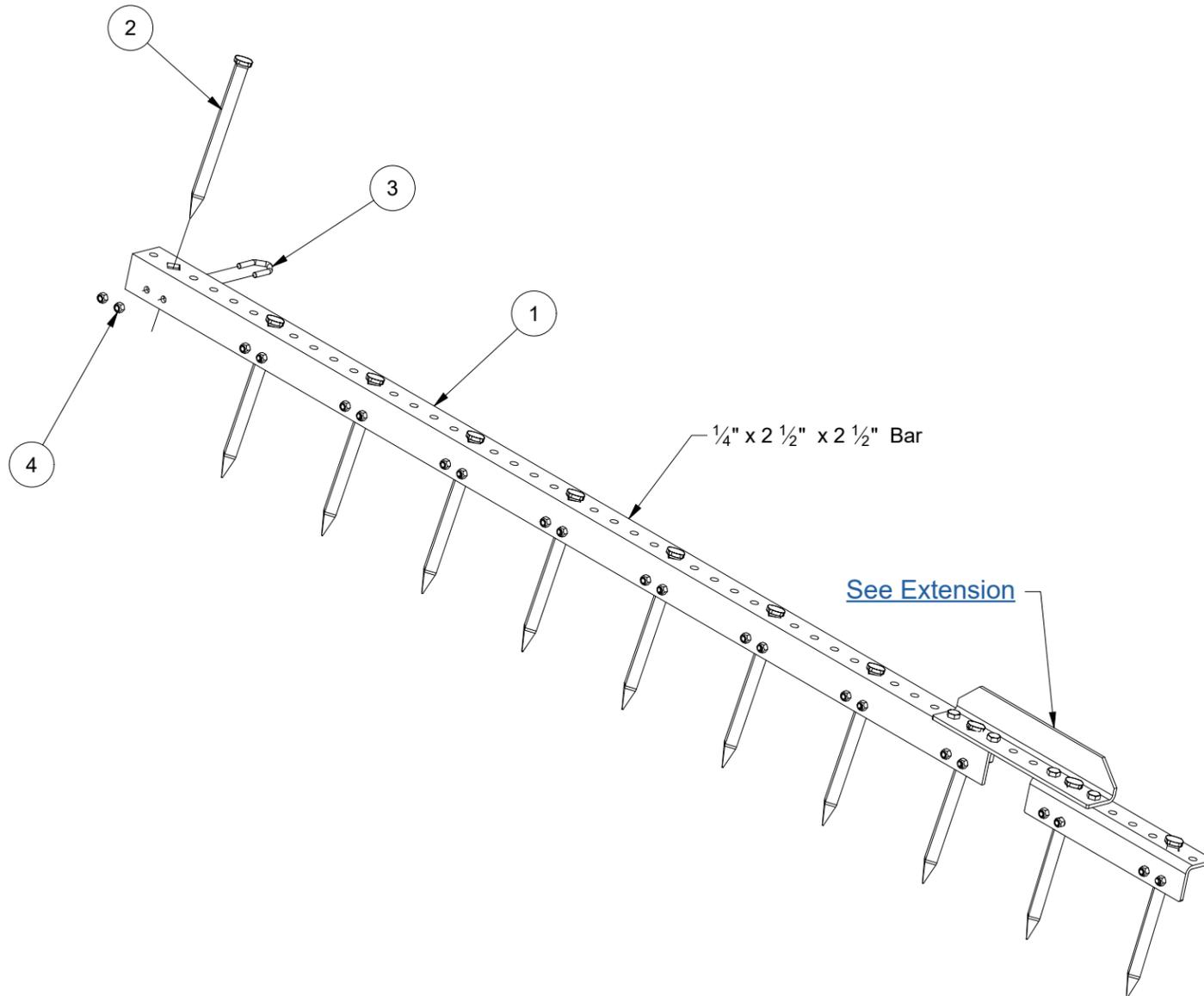
Item	Part Number	Description
1	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
2	HCSGR50.5-13x2.5ZF	1/2-13 UNC x 2.5 Hex Cap Screw w/ Std. Thread
3	HCSGR50.375-16x1.5ZF	3/8-16 UNC x 1.5 Hex Cap Screw w/ Std. Thread
4	HCSGR50.375-16x2.75ZF	3/8-16 UNC x 2.75 Hex Cap Screw w/ Std. Thread
5	L-A0039	Channel Bracket
8	L-A0083	5/8 Carriage Bolt
9	L-A1038	Channel Bracket Weldment
10	L-A1049	Pull Link Weldment
11	L-A1050	Chain Pull Weldment
12	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
13	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut
14	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
15	WS0.375ZF	3/8 SAE Washer

Chains

Item	Part Number	Description
6	L-A0058	Lift Chain - 5/16" Proof Coil Chain - 17 Link - F.C.
	L-A0059	Lift Chain - 5/16" Proof Coil Chain - 23 Link - Disk
	L-A0070	Lift Chain - 5/16" Proof Coil Chain - 31 Link
7	L-A0059	Pull Chain - 5/16" Proof Coil Chain - 23 Link
	L-A0070	Pull Chain - 5/16" Proof Coil Chain - 31 Link
	L-A0073	Pull Chain - 5/16" Proof Coil Chain - 51 Link
N/A		Long Link 7/0 use L-A0059 Chain

Parts Diagram

Tooth Bar Breakdown - LA



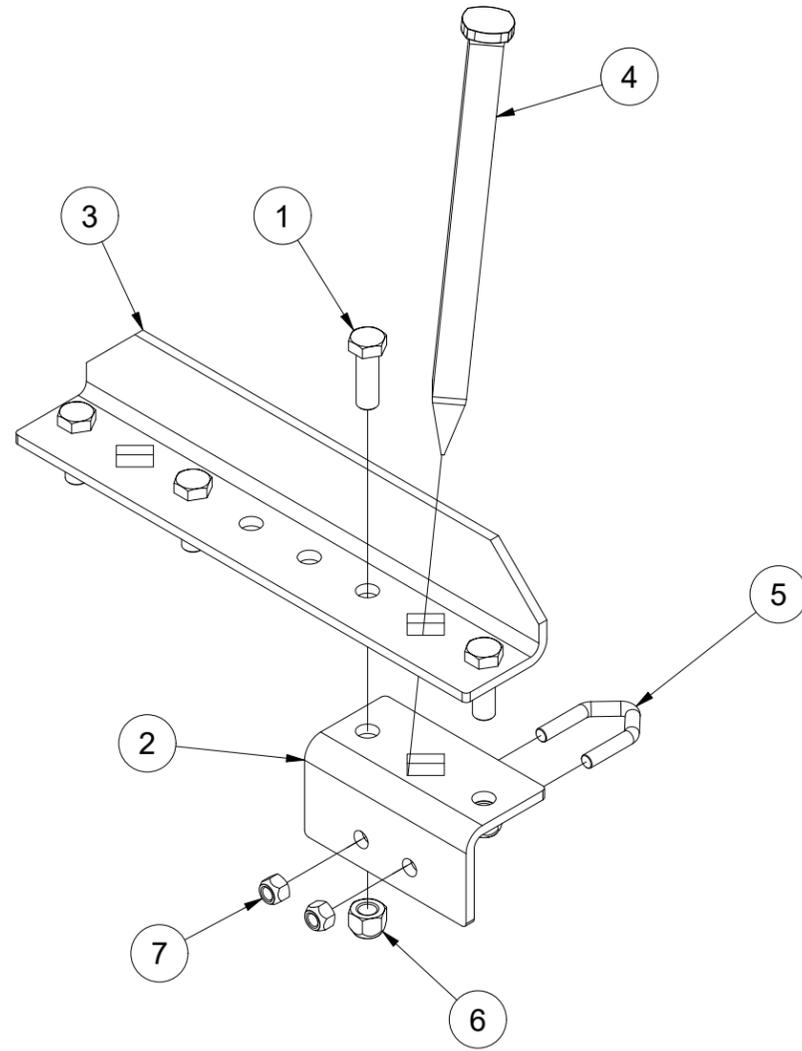
Parts Description

Tooth Bar Breakdown - LA

Item	Part Number	Description
1	L-A0003	3'6" Tooth Bar
	L-A0004	4'3" Tooth Bar
	L-A0005	5' Tooth Bar
	L-A0007	5'9" Tooth Bar
	L-A0006	6'6" Tooth Bar
	L-A0010	7'3" Tooth Bar
	L-A0008	8' Tooth Bar
	L-A0014	8'9" Tooth Bar
	L-A0009	9'6" Tooth Bar
	L-A0015	10'3" Tooth Bar
	L-A0011	11' Tooth Bar
	L-A0013	11'9" Tooth Bar
L-A0012	12' Tooth Bar	
2	L-A0060	11" Spike Tooth
3	L-A0066	"V" Shaped U-Bolt
4	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

Parts Diagram

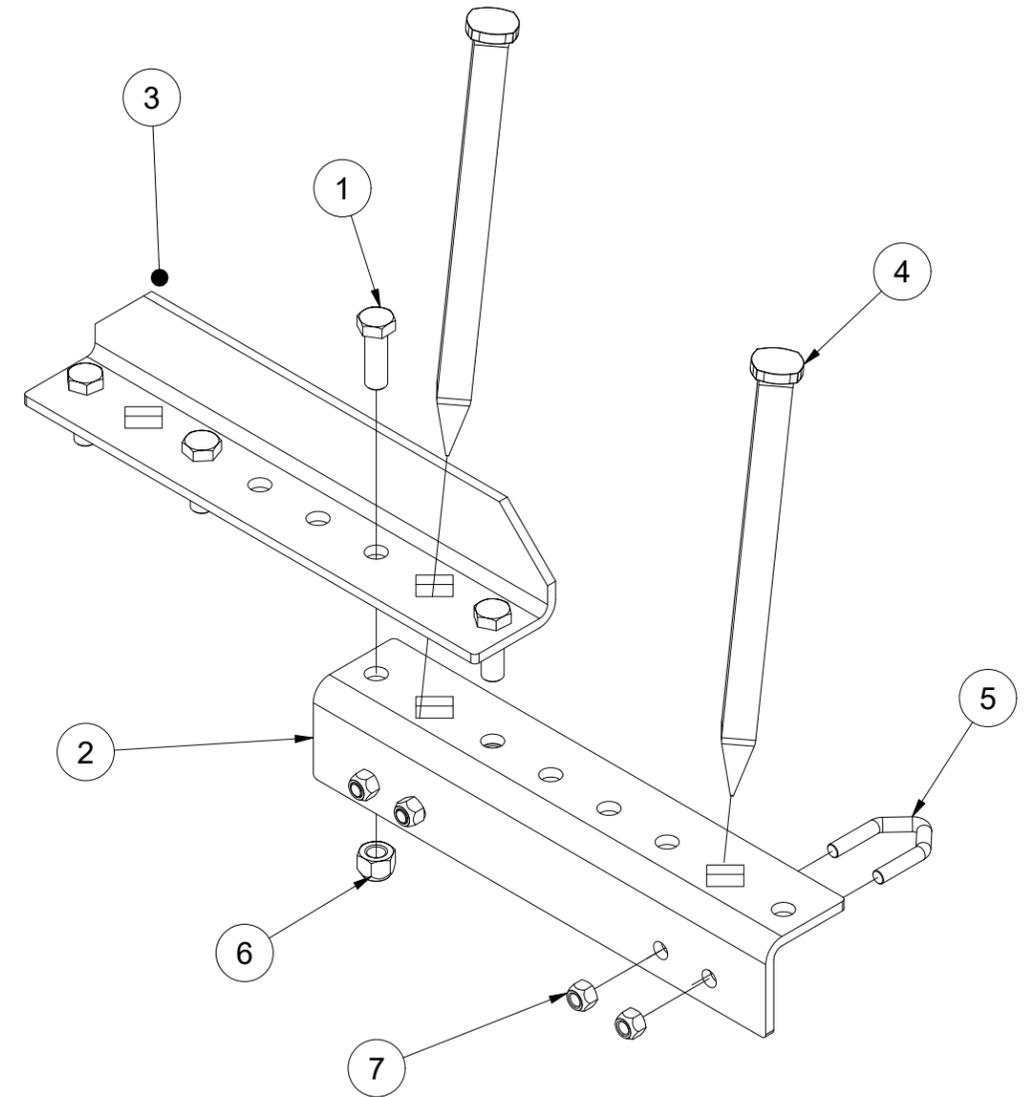
RH Flex - 18" O.A.L Extension Kit



Item	Part Number	Description
1	HCSGR50.5-13x1.5ZF	1/2-13 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	L-A0018	18" O.A.L. Ext.
3	L-A0055	Connecting Bracket
4	L-A0060	11" Spike Tooth
5	L-A0066	"V" Shaped U-Bolt
6	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
7	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

Parts Diagram

RH Flex - 36" O.A.L Extension Kit



Item	Part Number	Description
1	HCSGR50.5-13x1.5ZF	1/2-13 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	L-A0036	36" O.A.L. Ext.
3	L-A0055	Connecting Bracket
4	L-A0060	11" Spike Tooth
5	L-A0066	"V" Shaped U-Bolt
6	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
7	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

Bolt - On 18" & 36" Extension Kit
Optional Kit - Required to Extend an Existing Harrow

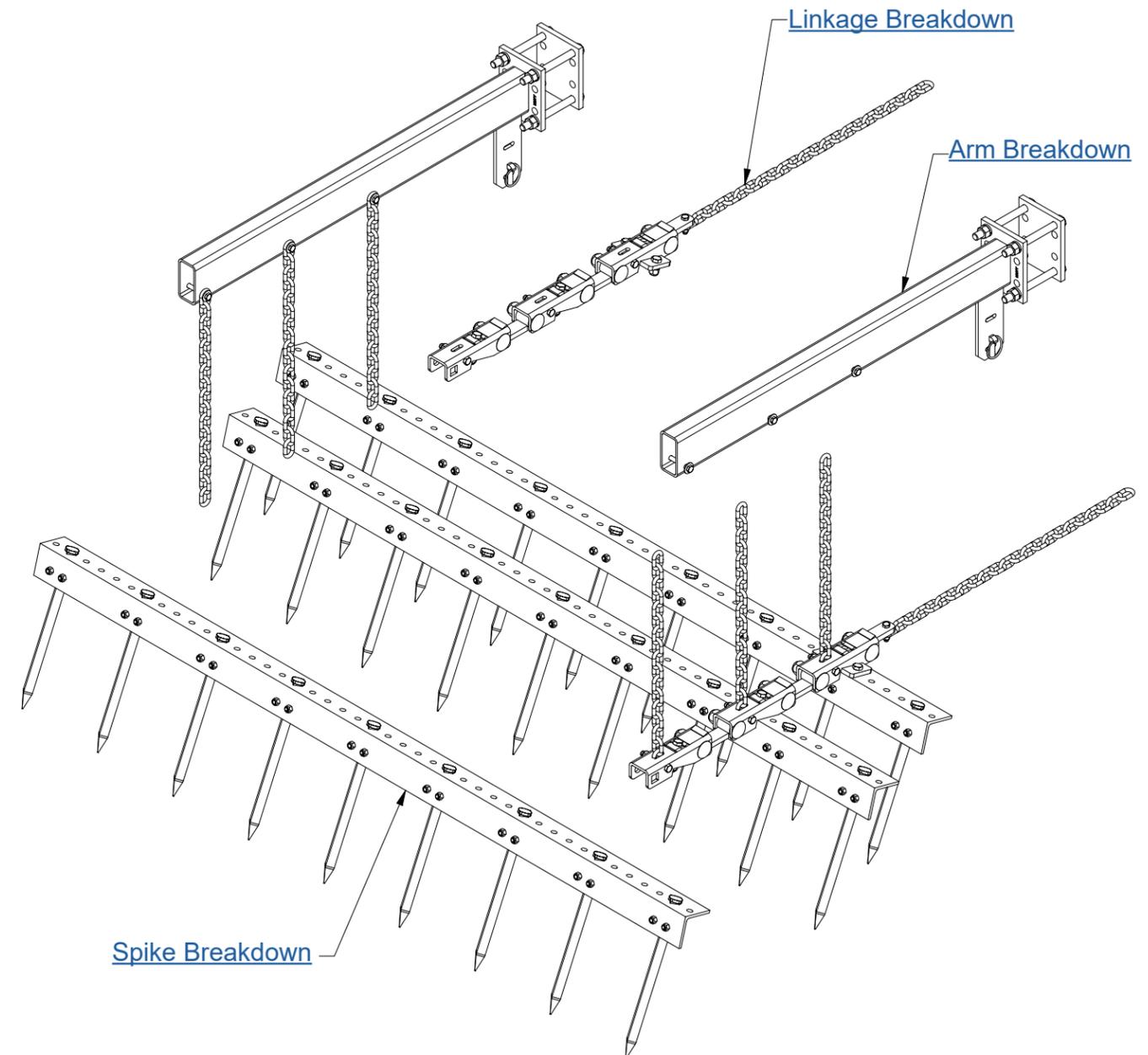
The extension is added when standard size harrow sections will not appropriately cover the cut of the implement. The extension comes in 18" or 36" lengths. The 18" extension provides an additional 9" per side. The 36" extension (shown) provides an additional 18" per side. The extension bolts to any existing 3, 4 or 5 bar Angle Iron Flexible Harrow.

Extension Kit (Rigid): Remove the outside tooth from one end of each bar. Use (2) 1/2" x 1 1/2" hex head bolts with locknuts to attach the L-A0055 connecting bracket to the end of each bar as shown. Again use (2) 1/2" x 1 1/2" hex head bolts with locknuts to attach extension to each connecting bracket as shown. Finally, replace the teeth and tighten them into place using the special "V" shaped U-bolt.

Note: Also can be used to connect (2) complete sections together if mounting arm confliction arises when attaching complete harrow kit to your machine.

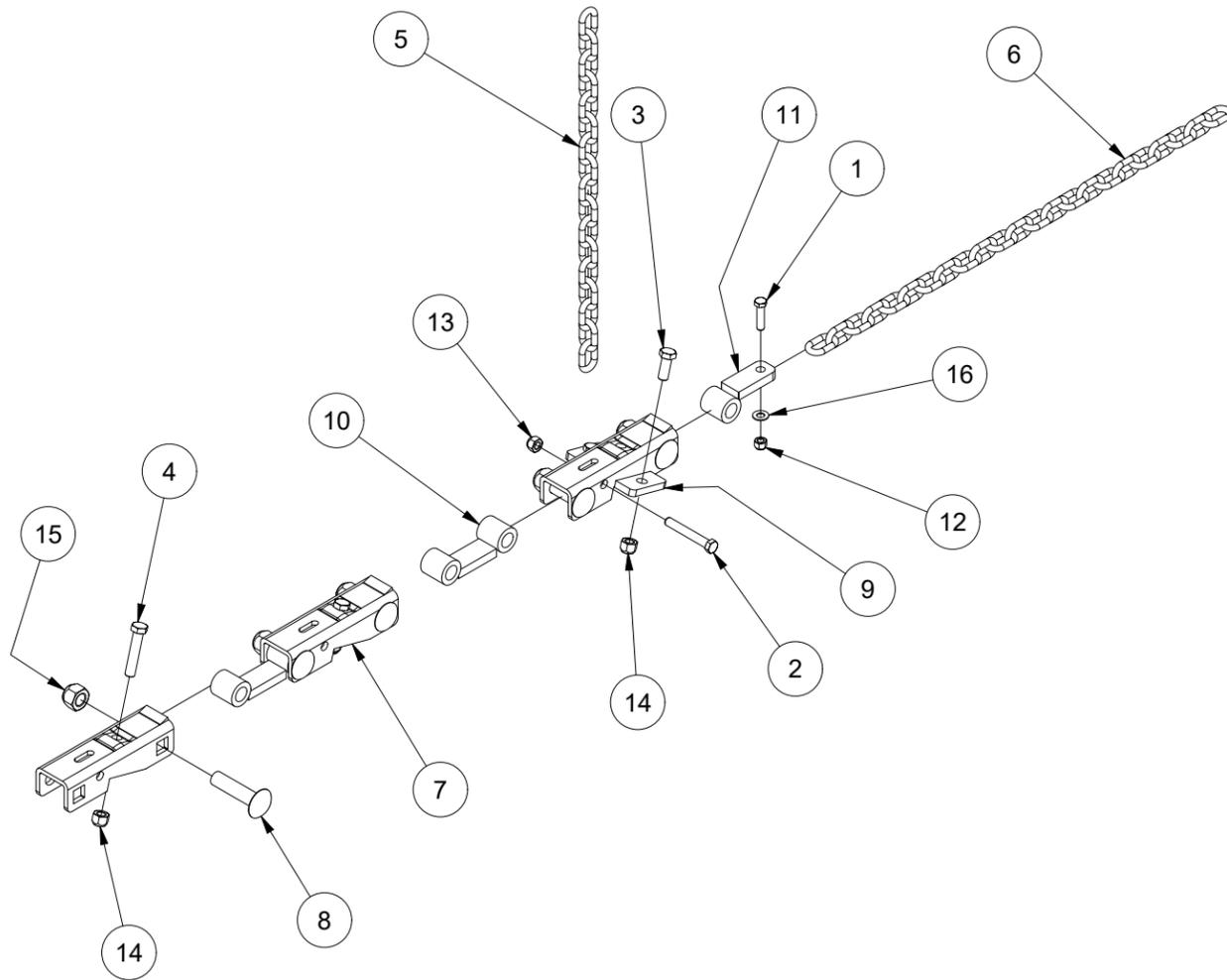
Parts Diagram

HD Flex Harrow



Parts Diagram

Linkage Breakdown - LH



Parts Description

Linkage Breakdown - LH

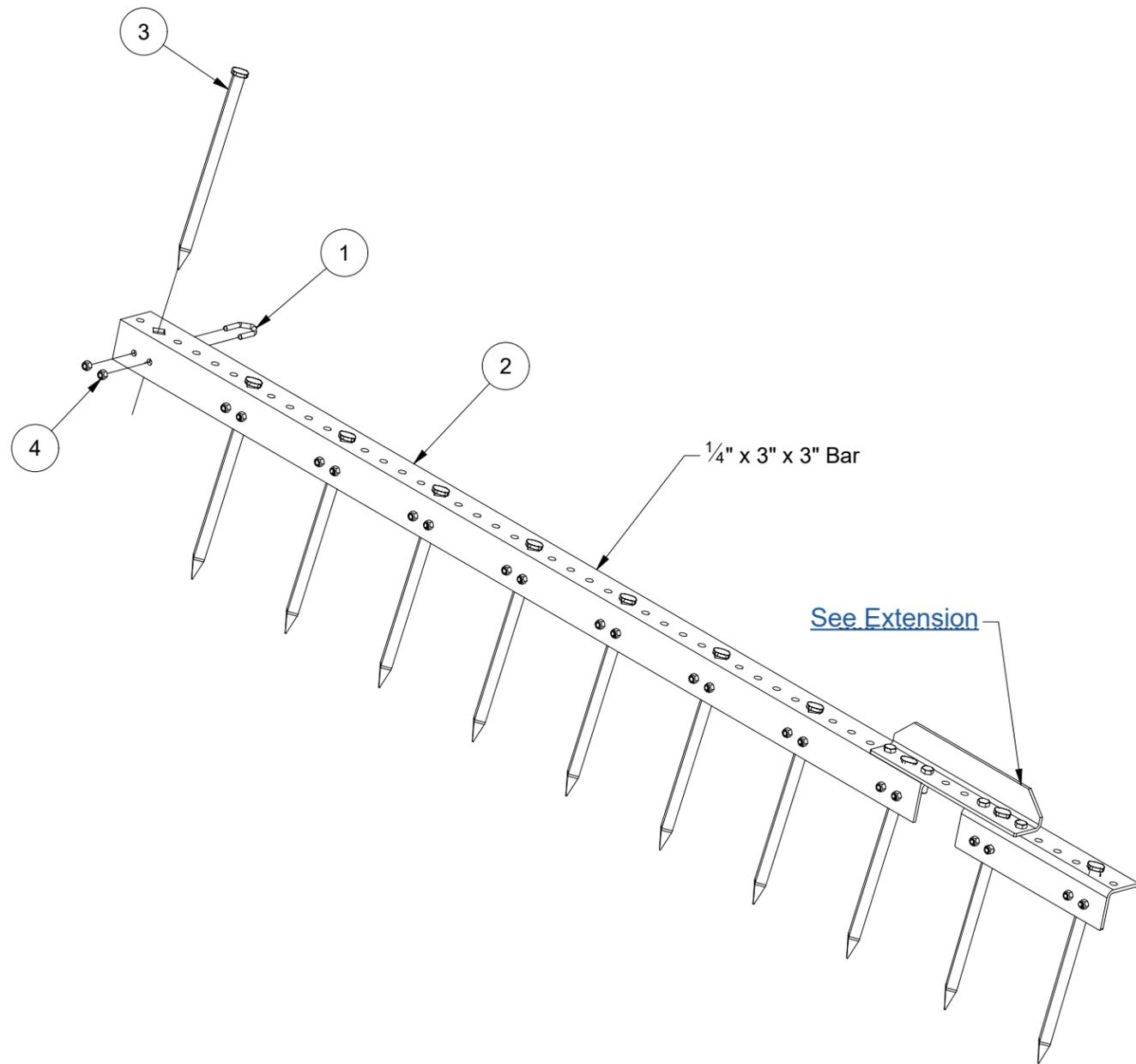
Item	Part Number	Description
1	HCSGR50.375-16x1.5ZF	3/8-16 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	HCSGR50.4375-14x3ZF	7/16-14 UNC x 3 Hex Cap Srew w/ Std. Thread
3	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
4	HCSGR50.5-13x2.5ZF	1/2-13 UNC x 2.5 Hex Cap Screw w/ Std. Thread
7	L-H0039	HD Channel Bracket
8	L-H0083	3/4 Carriage bolt
9	L-H1038	HD Channel Bracket Weldment
10	L-H1049	HD Pull Link Weldment
11	L-H1050	HD Chain Pull Weldment
12	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut
13	OLNGRC0.4375-14ZF	7/16-14 UNC Hex Lock Nut
14	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
15	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut
16	WS0.375ZF	3/8 SAE Washer

Chains

Item	Part Number	Description
5	L-A0058	Lift Chain - 5/16" Proof Coil Chain - 17 Link
	L-A0059	Lift Chain - 5/16" Proof Coil Chain - 23 Link
	L-A0070	Lift Chain - 5/16" Proof Coil Chain - 31 Link
6	L-A0059	Pull Chain - 5/16" Proof Coil Chain - 23 Link
	L-A0070	Pull Chain - 5/16" Proof Coil Chain - 31 Link
	L-A0073	Pull Chain - 5/16" Proof Coil Chain - 51 Link
NA		Long Link 7/0 use L-A0059 Chain

Parts Diagram

Tooth Bar Breakdown - LH



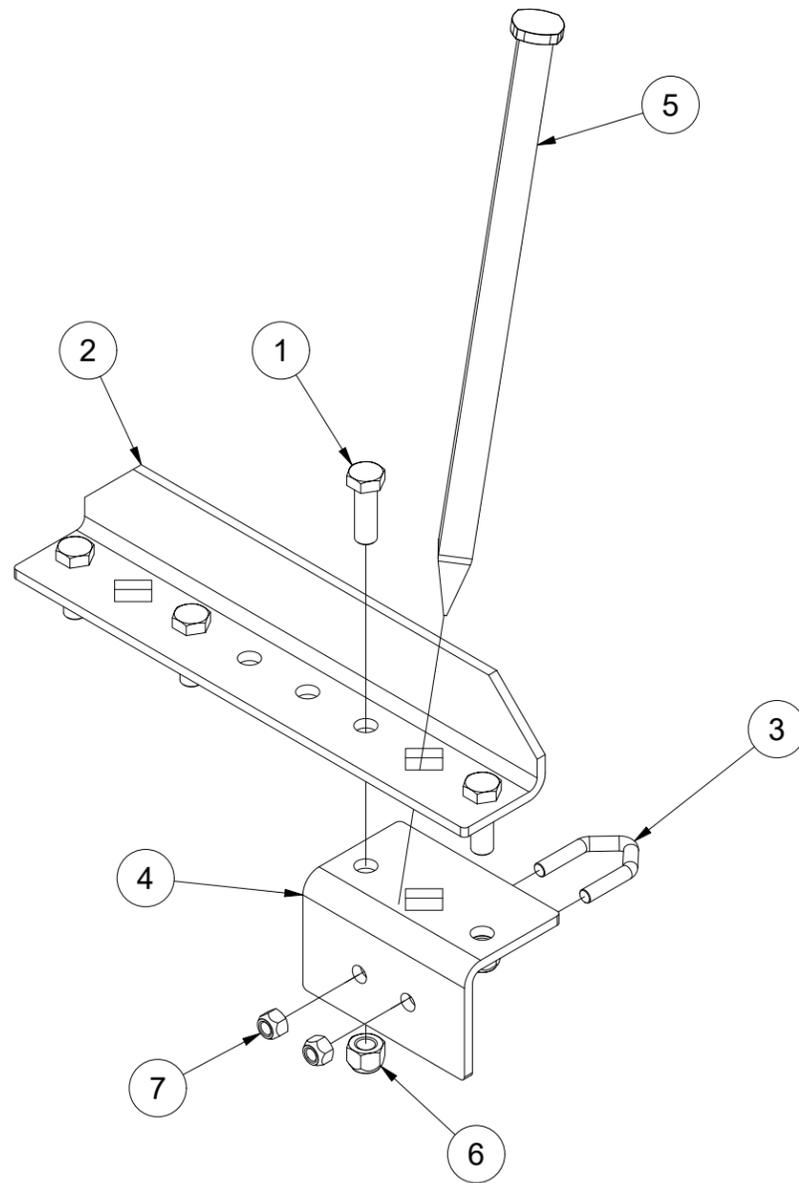
Parts Description

Tooth Bar Breakdown - LH

Item	Part Number	Description
1	L-A0066	"V" Shaped U-Bolt
2	L-H0003	3'6" HD Tooth Bar
	L-H0005	5' HD Tooth Bar
	L-H0006	6'6" HD Tooth Bar
	L-H0008	8' HD Tooth Bar
	L-H0010	7'3" HD Tooth Bar
	L-H0014	8'9" HD Tooth Bar
3	L-H0060	15" Spike Tooth
4	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

Parts Diagram

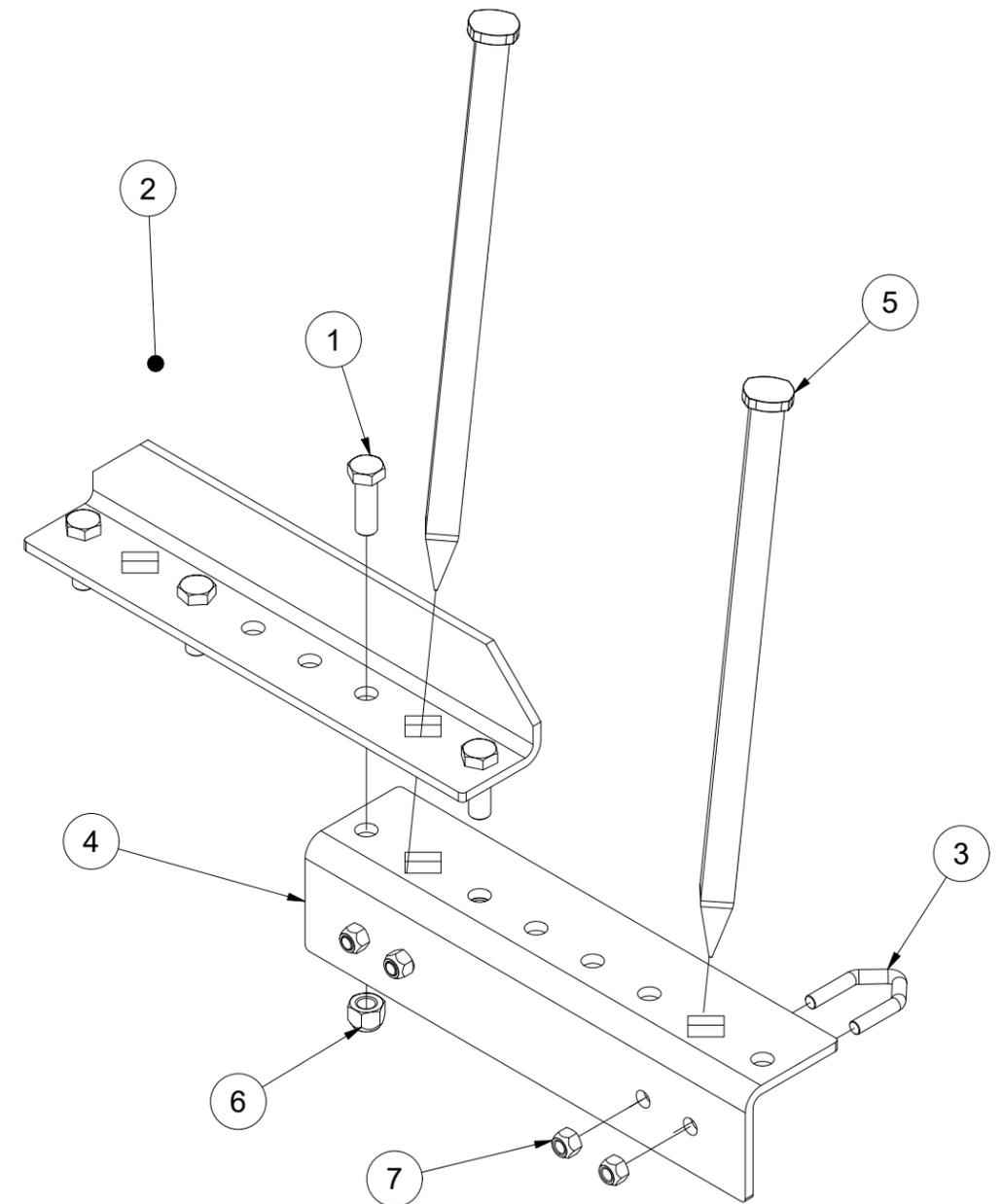
HD Flex - 18" O.A.L. Extension Kit



Item	Part Number	Description
1	HCSGR50.5-13x1.5ZF	1/2-13 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	L-A0055	Connecting Bracket
3	L-A0066	"V" Shaped U-Bolt
4	L-H0018	HD 18" O.A.L. Ext.
5	L-H0060	15" Spike Tooth
6	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
7	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

Parts Diagram

HD Flex - 36" O.A.L. Extension Kit

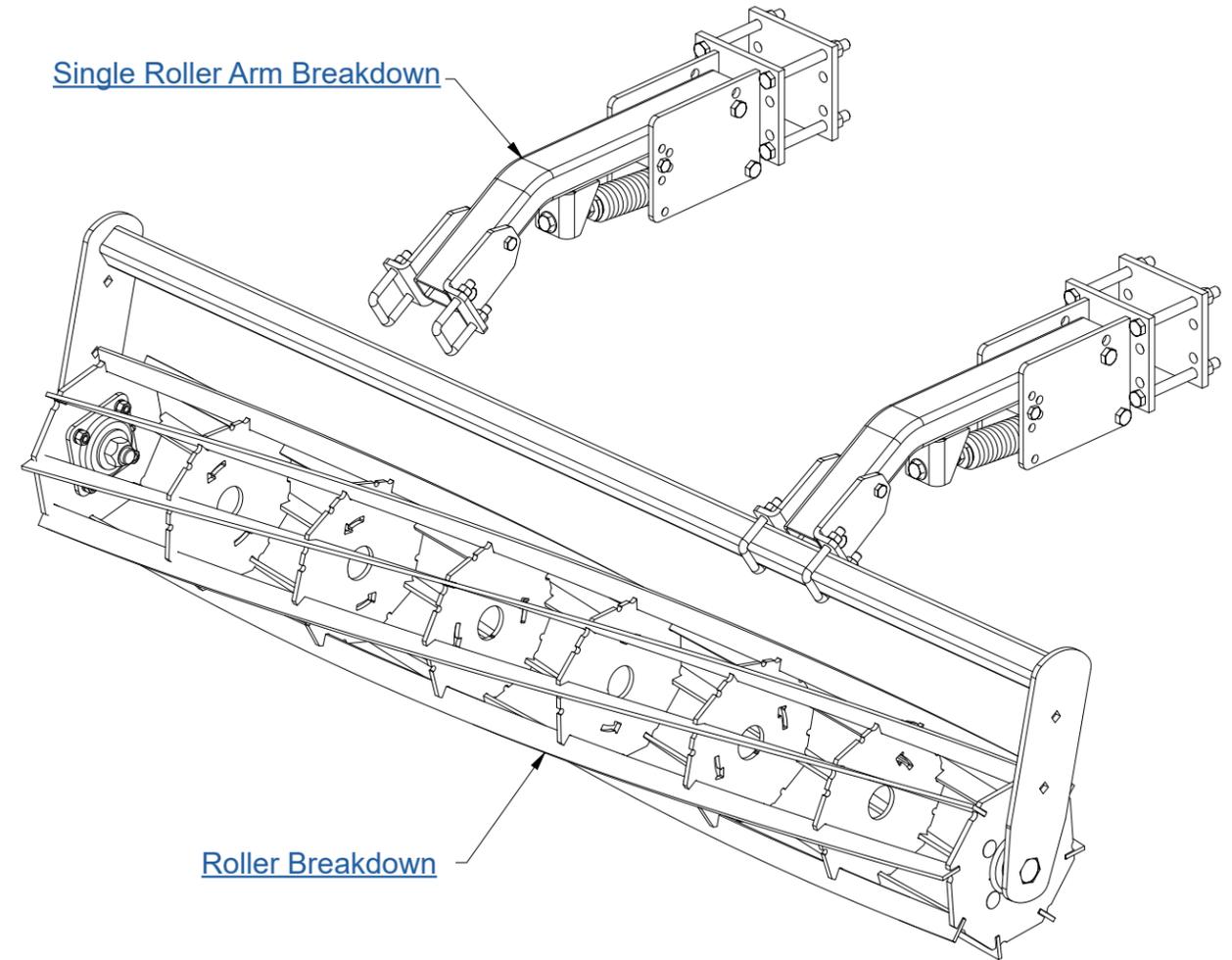


Item	Part Number	Description
1	HCSGR50.5-13x1.5ZF	1/2-13 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	L-A0055	Connecting Bracket
3	L-A0066	"V" Shaped U-Bolt
4	L-H0036	HD 36" O.A.L. Ext.
5	L-H0060	15" Spike Tooth
6	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
7	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut

This page is intentionally left blank.

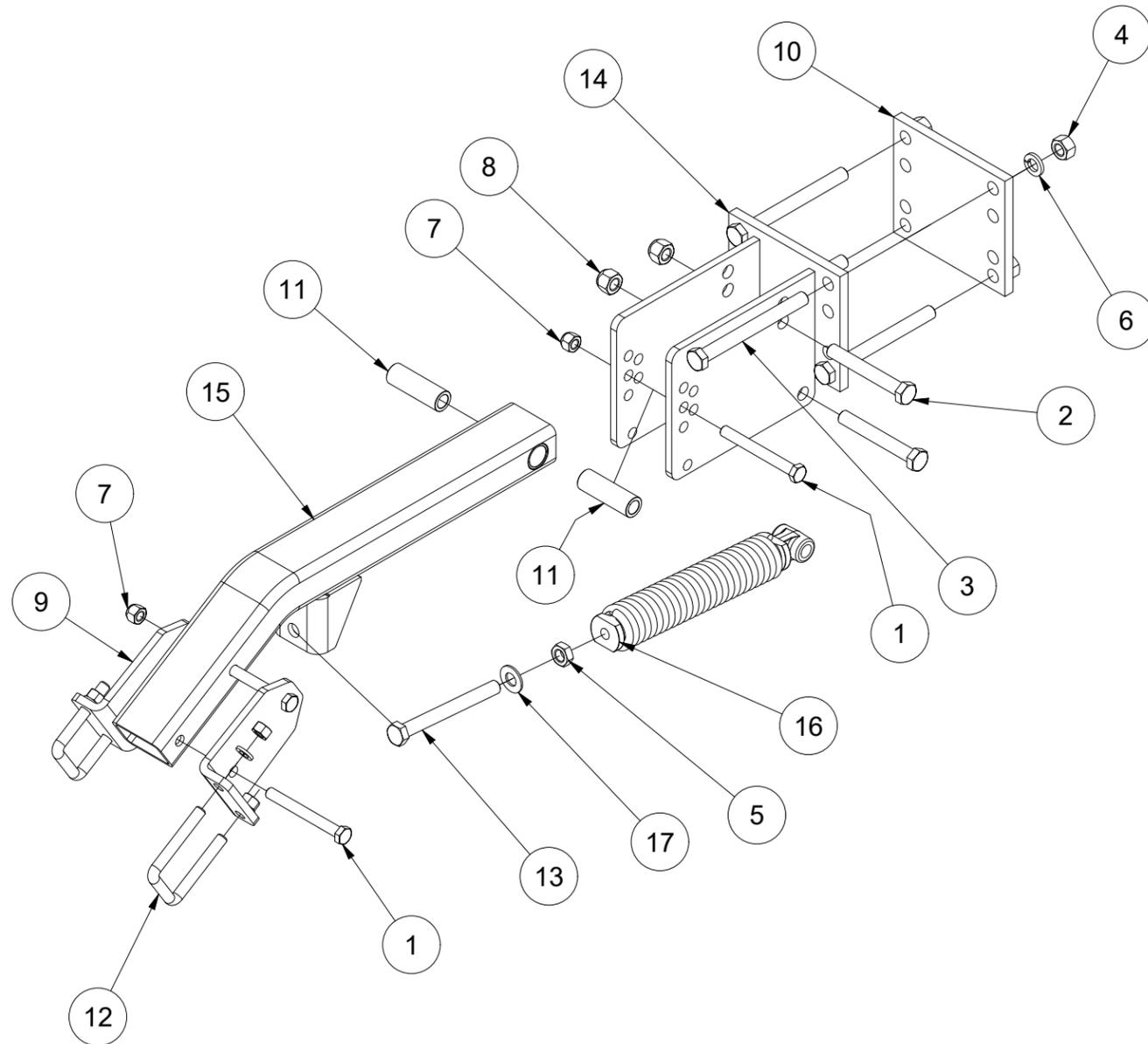
Parts Diagram

Single Roller Harrow



Parts Diagram

Single Roller Arm Breakdown



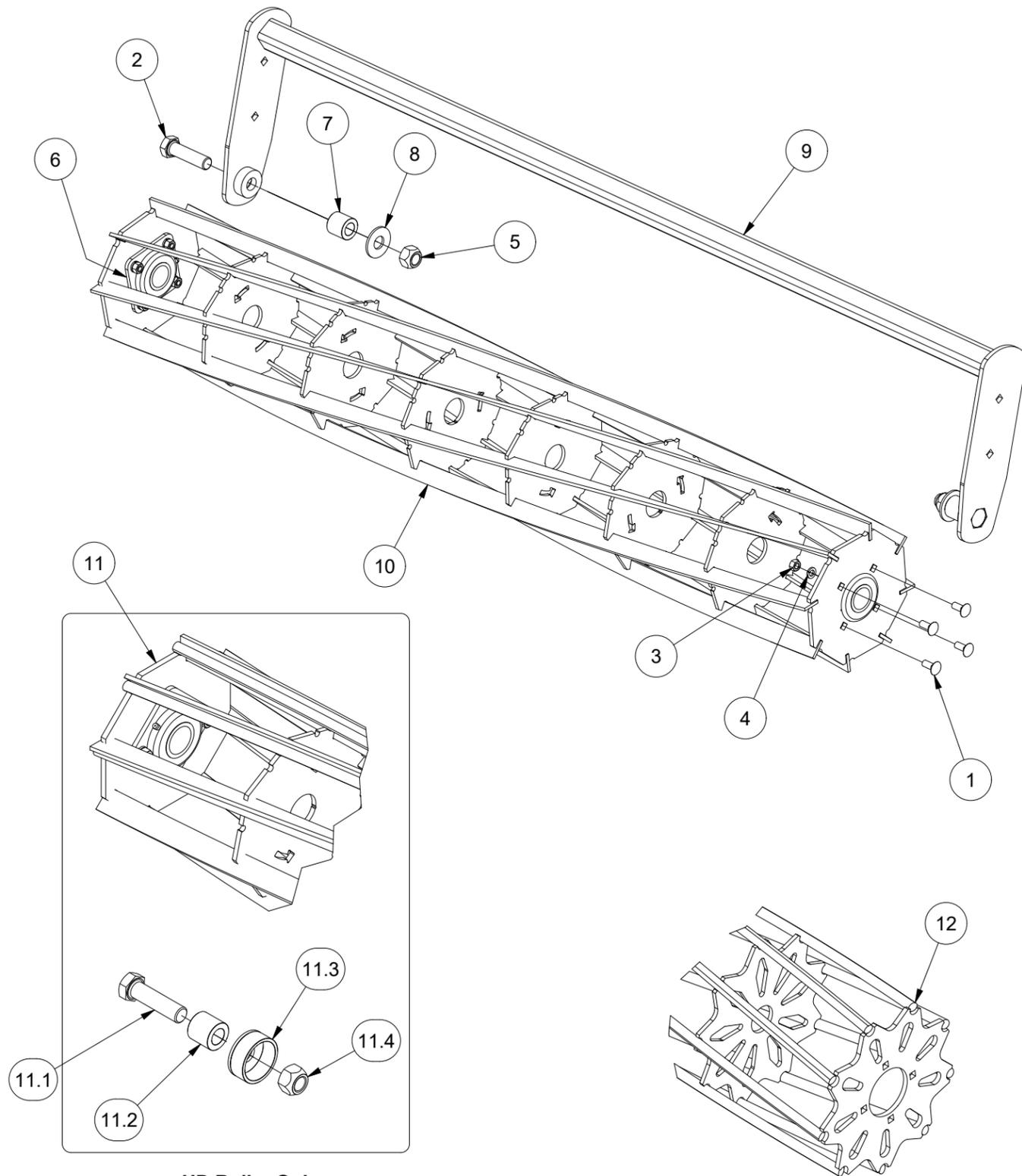
Parts Description

Single Roller Arm Breakdown

Item	Part Number	Description
1	HCSGR50.5-13x4.5ZF	1/2-13 UNC x 4.5 Hex Cap Screw w/ Std. Thread
2	HCSGR50.625-11x4.5ZF	5/8-11 UNC x 4.5 Hex Cap Screw w/ Std. Thread
3	HCSGR50.625-11x6.5ZFSPEC	5/8-11 UNC x 6.5 Hex Cap Screw w/ 3 1/2 Thread
4	HN0.625-11ZF	5/8-11 UNC Hex Nut
5	JN0.625-11ZF	Jam Nut 5/8-11 UNC Zinc
6	LW0.625ZF	5/8 Lock Washer
7	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
8	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
9	RB-0013	Gang Bracket
10	RB-0018	Pivot Bracket Plate
11	RB-0019	Spacer
12	RB-0025-AS	1/2"-13 X 2 X 3 1/2 U-Bolt w/ Lockwasher & Nut
13	RB-0046	5/8-11 UNC x 6 Hex Cap Screw w/ Full Thread
14	RB-1002	Pivot Bracket Weldment
15	RB-1003	Single Roller Weldment
16	RB-1048	Roller Arm Spring Assy
17	WS0.625ZF	5/8 SAE Washer

Parts Diagram

Roller Breakdown



HD Roller Only

Parts Description

Roller Layout

Item	Part Number	Description
1	CBGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Carriage Bolt
2	HCSGR51-8x3.75ZF	1-8 UNC x 4 Hex Cap Screw w/ Std. Thread
3	HN0.5-13ZF	1/2-13 UNC Hex Nut
4	LW0.5ZF	1/2 Lock Washer
5	OLNGRC1-8ZF	1-8 UNC Hex Lock Nut
6	RB-0007	Flanged Disk Bearing
7	RB-0009	Bearing Spacer
8	RB-0085	Bearing Spacer
9	RB-1005 RB-1021 RB-1006 RB-1022 RB-1007	3'6" Frame Assembly (44 1/4") 4'3" Frame Assembly (53 1/4") 5' Frame Assembly (62 1/4") 5'9" Frame Assembly (71 1/4") 6'6" Roller Frame Weldment (80 1/4")
10	RB-1008 RB-1017 RB-1009 RB-1018 RB-1010	3'6" Roller Weldment 4'3" Roller Weldment 5' Roller Weldment 5'9" Roller Weldment 6'6" Roller Weldment

Heavy Duty Roller

Item	Part Number	Description
11	HDRB-1008 HDRB-1017 HDRB-1009 HDRB-1018 HDRB-1010	3'6" Flat & Round Bar Roller Weldment 4'3" Flat & Round Bar Roller Weldment 5' Flat & Round Bar Roller Weldment 5'9" Flat & Round Bar Roller Weldment 6'6" Flat & Round Bar Roller Weldment
11.1	HCSGR51-8x3.75ZF	1-8 UNC x 4 Hex Cap Screw w/ Std. Thread
11.2	RB-0009	Bearing Spacer
11.3	HDRB-1047-AS	Bearing Nut Protector Assy w/ Nut & Bolt
11.4	OLNGRC1-8ZF	1-8 UNC Hex Lock Nut

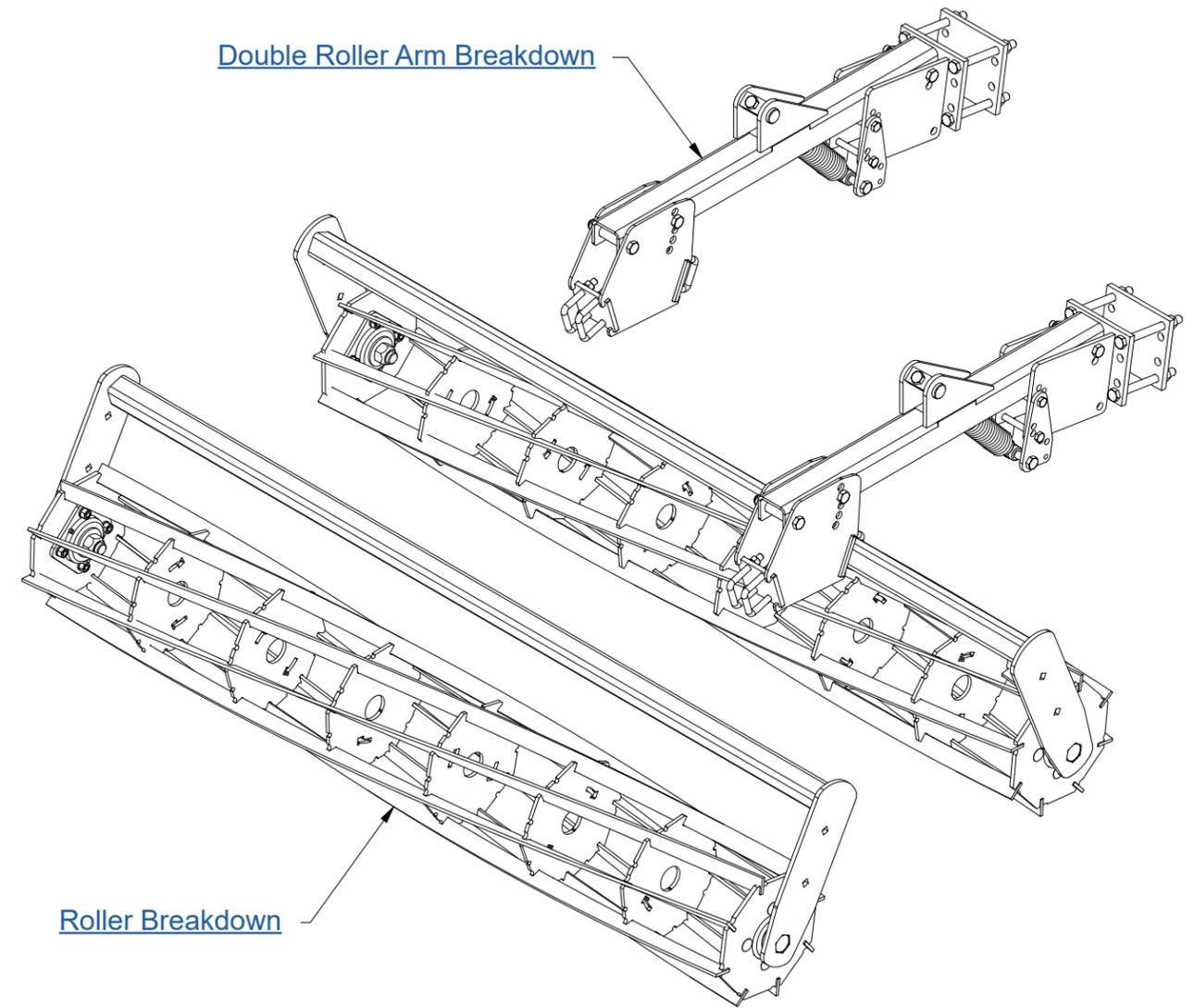
Round Bar Roller

Item	Part Number	Description
12	RBR-1003 RBR-1004 RBR-1005 RBR-1006 RBR-1007	3'6" Round Bar Roller Weldment 4'3" Round Bar Roller Weldment 5' Round Bar Roller Weldment 6'6" Round Bar Roller Weldment 5'9" Round Bar Roller Weldment

This page is intentionally left blank.

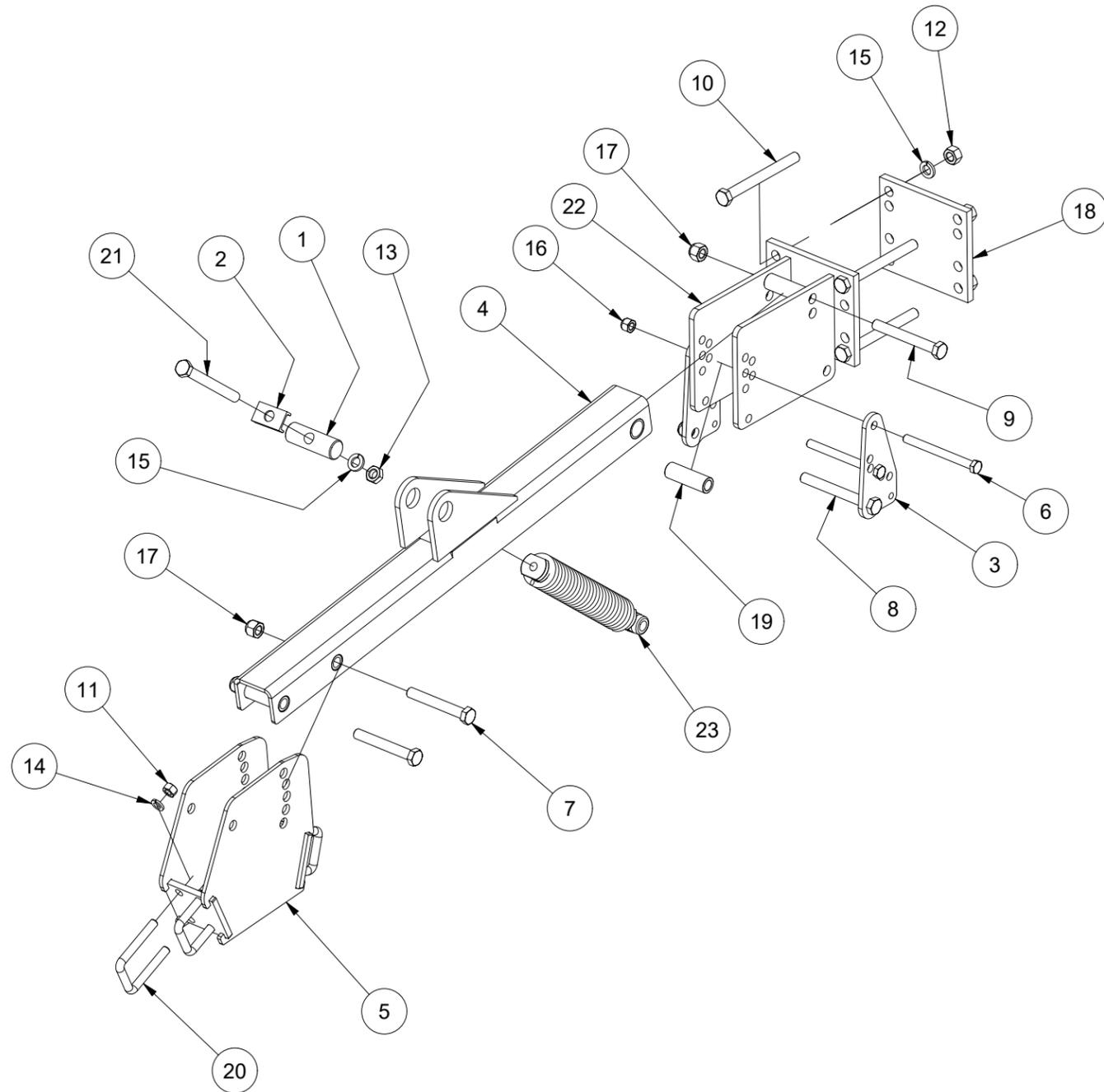
Parts Diagram

Double Roller Harrow



Parts Diagram

Double Roller Arm Breakdown



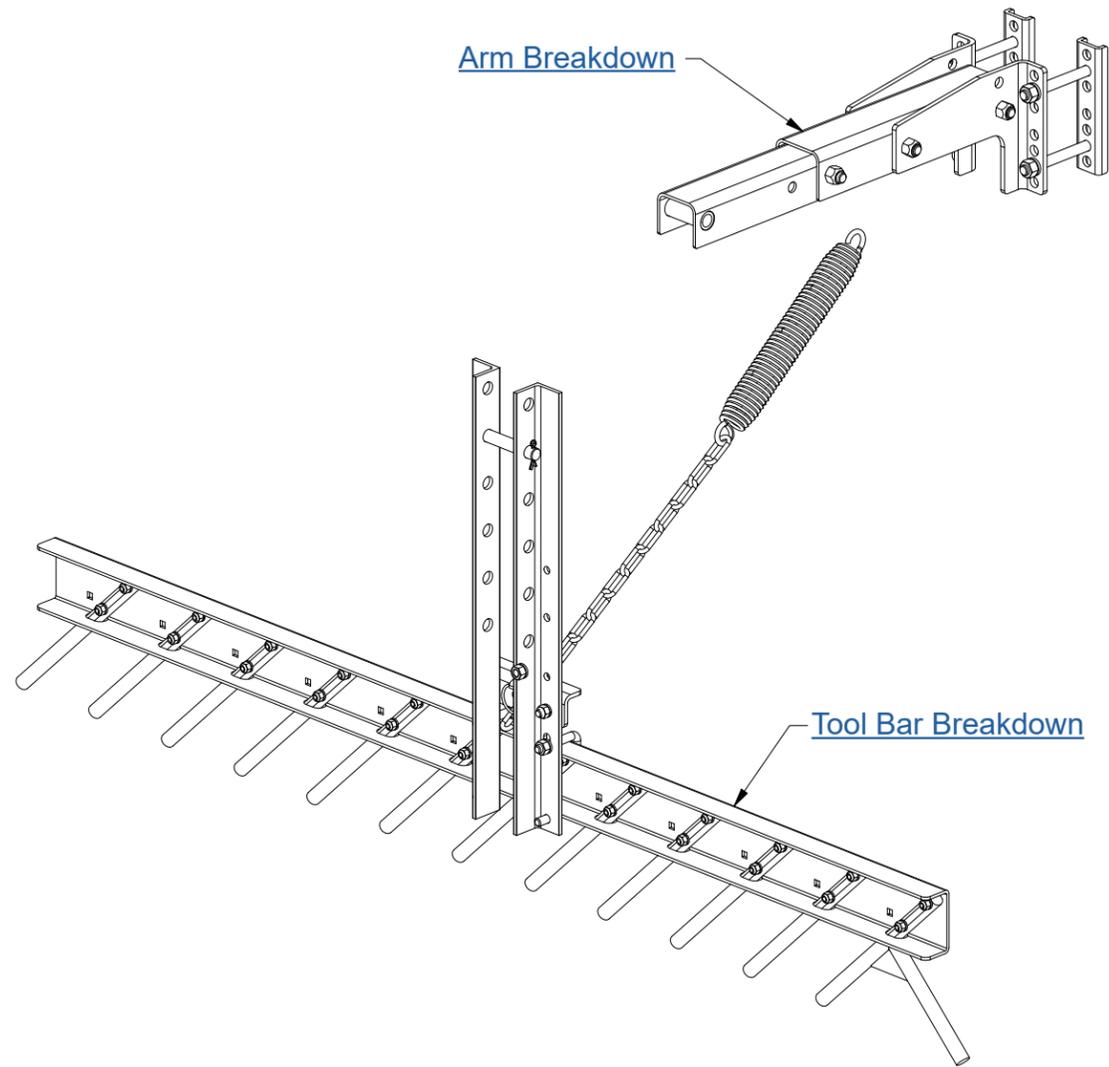
Parts Description

Double Roller Arm Breakdown

Item	Part Number	Description
1	DB-0001	Pivot Pin
2	DB-0002	Pivot Pin Retainer
3	DB-0011	Angle Adjustment Ear
4	DB-1003	Double Roller Arm Weldment
5	DB-1030	Double Roller Mount Pivot Weldment
6	HCSGR50.5-13x5.5ZF	1/2-13 UNC x 5.5 Hex Cap Screw w/ Std. Thread
7	HCSGR50.625-11x4.5ZF	Hex Cap Screw 5/8-11 UNC x 4.5 w/ Std. Thread Gr.5 Zinc
8	HCSGR50.625-11x5.5ZF	5/8-11 UNC x 5.5 Hex Cap Screw w/ Std. Thread
9	HCSGR50.625-11x5ZF	5/8-11 UNC x 5 Hex Cap Screw w/ Std. Thread
10	HCSGR50.625-11x6.5ZFSP	Hex Cap Screw 5/8-11 UNC x 6.5 w/ 3 1/2 Thread Gr.5 Zinc
11	HN0.5-13ZF	1/2-13 UNC Hex Nut
12	HN0.625-11ZF	5/8-11 UNC Hex Nut
13	JN0.625-11ZF	Jam Nut 5/8-11 UNC Zinc
14	LW0.5ZF	1/2 Lock Washer
15	LW0.625ZF	5/8 Lock Washer
16	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
17	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
18	RB-0018	Pivot Bracket Plate
19	RB-0019	Spacer
20	RB-0025	1/2-13 UNC x 2 x 3.50 U-Bolt
21	RB-0046	5/8-11 UNC x 6 Hex Cap Screw w/ Full Thread
22	RB-1002	Pivot Bracket Weldment
23	RB-1048	Roller Arm Spring Assy

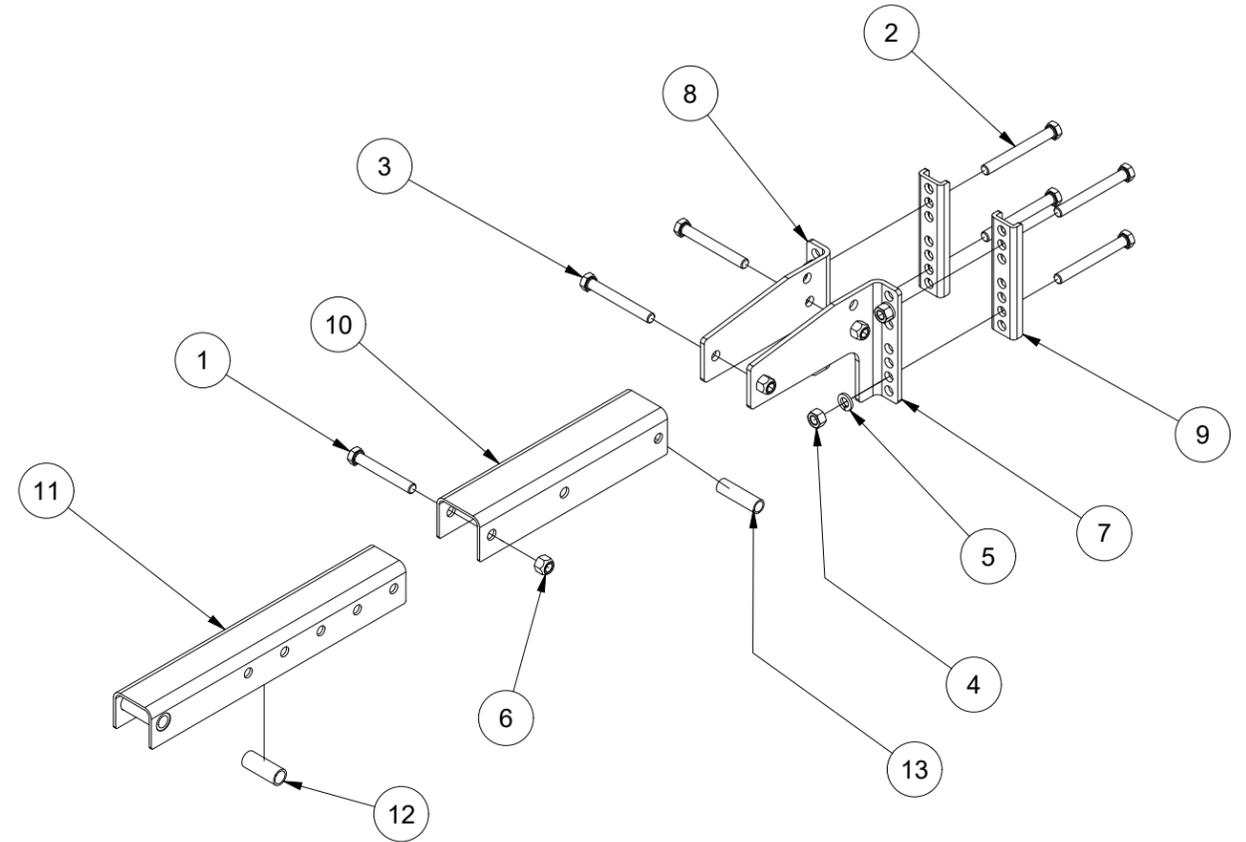
Parts Diagram

One Bar



Parts Diagram

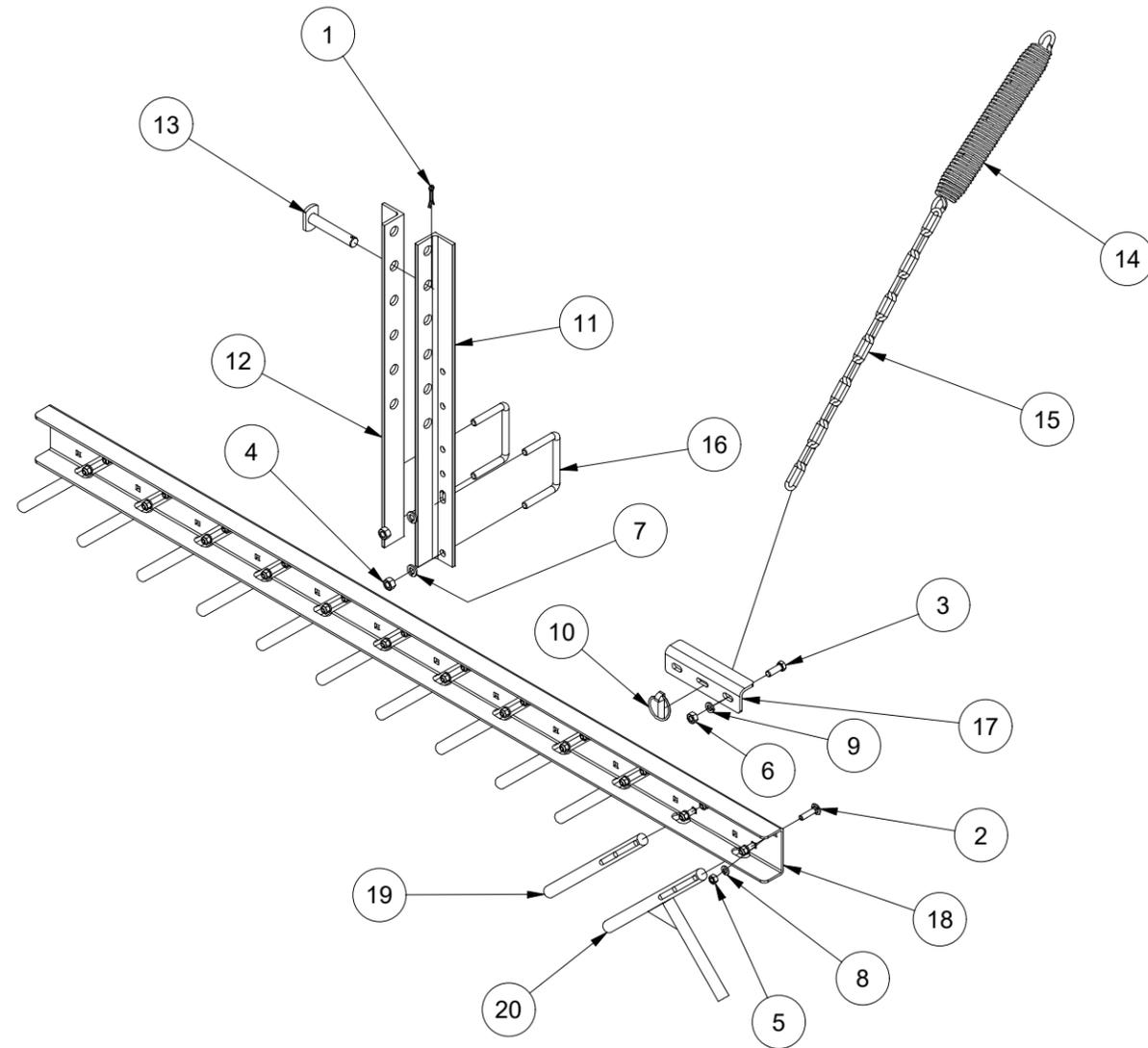
One Bar Arm Breakdown



Item	Part Number	Description
1	HCSGR50.625-11x4.5ZF	5/8-11 UNC x 4.5 Hex Cap Screw w/ Std. Thread
2	HCSGR50.625-11x5.5ZF	5/8-11 UNC x 5.5 Hex Cap Screw w/ Std. Thread
3	HCSGR50.625-11x5ZF	5/8-11 UNC x 5 Hex Cap Screw w/ Std. Thread
4	HN0.625-11ZF	5/8-11 UNC Hex Nut
5	LW0.625ZF	5/8 Lock Washer
6	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
7	RMB-011	RH Side Mount Plate
8	RMB-011-1	LH Side Mount Plate
9	RMB-012	Back Plate
10	RMB-013	Outer Arm Sleeve
11	RMB-014	Inner Arm Sleeve Weldment
12	RMB-019-1	Inner Sleeve Spacer
13	RMB-019-3	Outer Sleeve Spacer

Parts Diagram

One Bar Tool Bar Breakdown



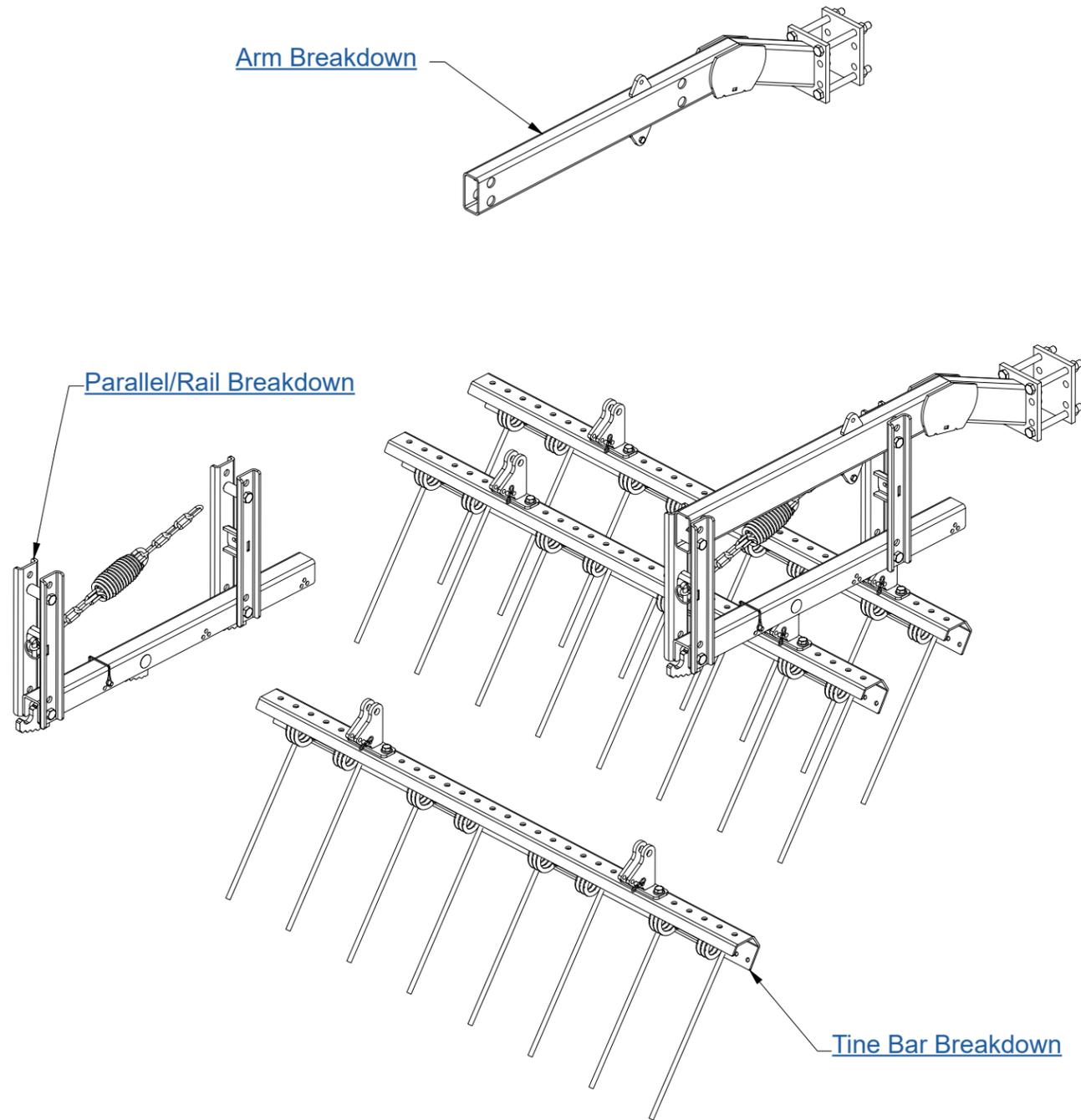
Parts Description

One Bar Tool Bar Breakdown

Item	Part Number	Description
1	ANSI B18.8.1 - 3/16 x 1 1/4 Extended Prong Square Cut Type	Clevis Pins and Cotter Pins - Extended Prong Square Cut Type (Inch) - Cotter Pin
2	CBGR50.375-16x1.5ZF	3/8-16 UNC x 1.5 Gr 5 Carriage Bolt
3	HCSGR50.4375-14x1.25ZF	7/16-14 UNC x 1.25 Hex Cap Screw w/ Std. Thread
4	HN0.5-13ZF	1/2-13 UNC Hex Nut
5	HN0.375-16ZF	3/8-16 UNC Hex Nut
6	HN0.4375-14ZF	7/16-14 UNC Hex Nut
7	LW0.5ZF	1/2 Lock Washer
8	LW0.375ZF	3/8 Lock Washer
9	LW0.4375ZF	7/16 Lock Washer
10	Lynch Pin	7/16 x 1 3/4 Lynch Pin
11	RMB-015	Connecting Arm R.H.
12	RMB-015-1	Connecting Arm L.H.
13	RMB-016	One Bar Pin Weldment
14	RMB-020	One Bar Spring (MBP-20)
15	RMB-021	5/0 Chain-13 Link (MBP-21)
16	RMB-022	1/2-13 UNC x 4 1/16 x 3 U-Bolt
17	RMB-024	Pull Bar
18	RTB-006	6ft Tool Bar
19	RTB-010	One Bar Tooth (TB-10)
20	RTB-020	Center Y-tooth Weldment

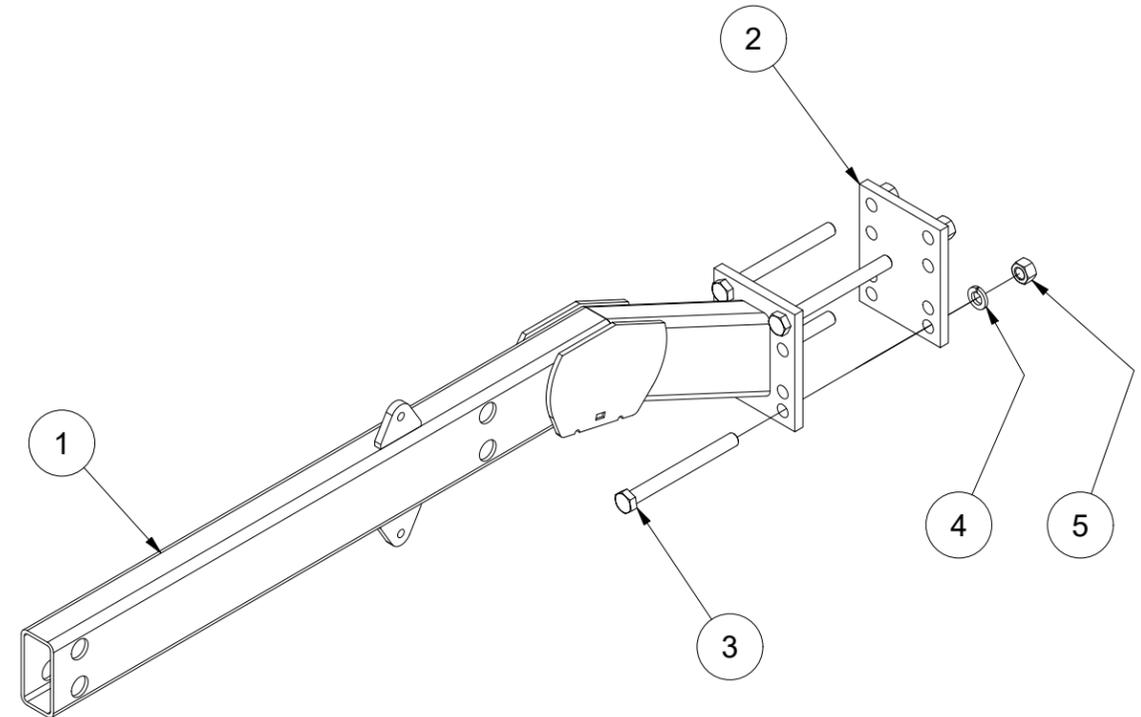
Parts Diagram

Spring Tine Harrow



Parts Diagram

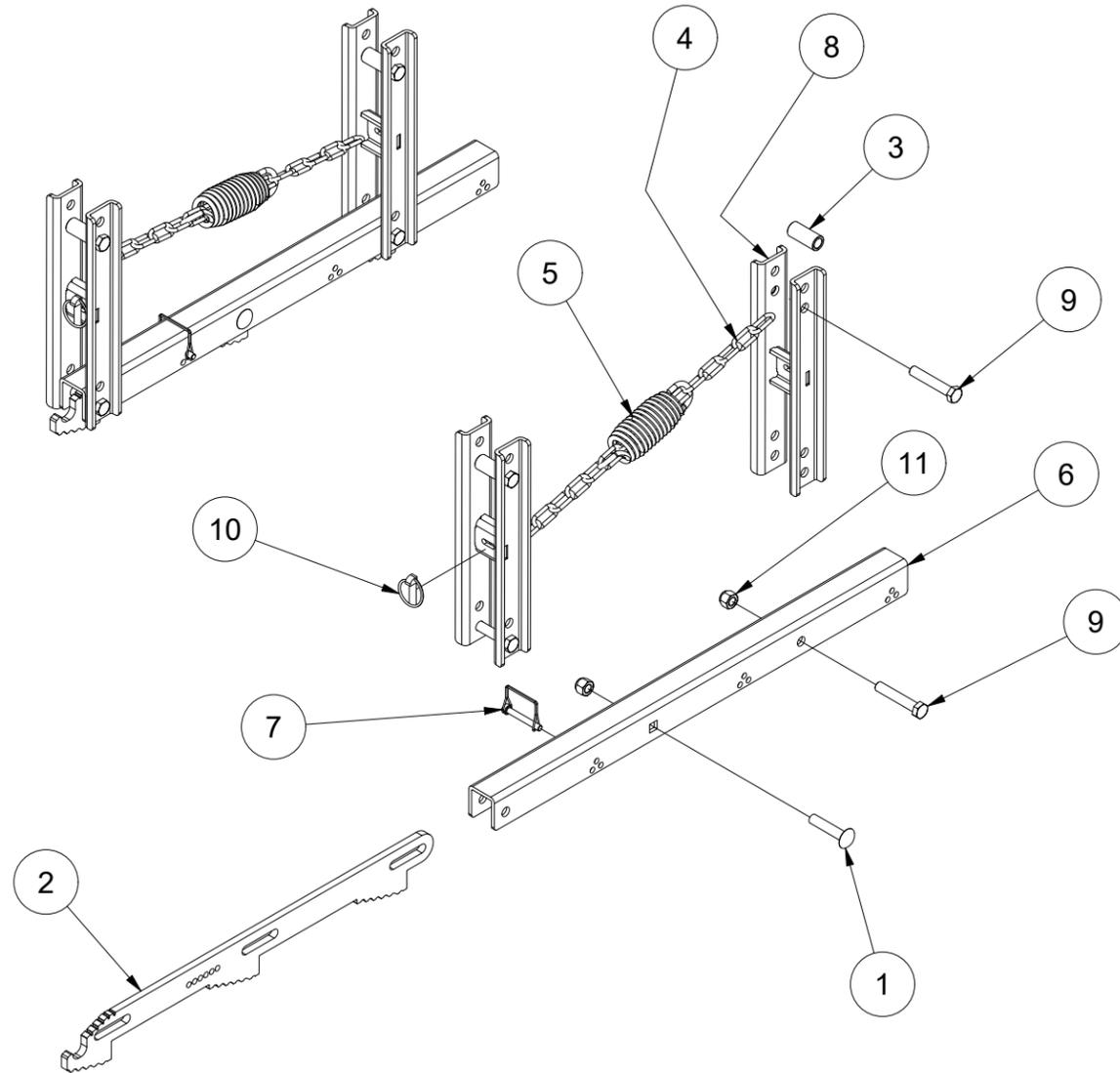
Arm Breakdown - 3BS & 4BS



Item	Part Number	Description
1	FR-1007	3 & 4 Bar Lift Arm Weldment - Disk
	FR-1027	3 & 4 Bar Lift Weldment - F.C./Chisel
	FR-1030	3 Bar Roller Lift Arm
2	F-00005	Mounting Arm Plate
3	HCSGR50.625-11x6.5ZF	Hex Cap Screw 5/8-11 UNC x 6.5 w/ Std. Thread Gr.5 Zinc
4	LW0.625ZF	5/8 Lock Washer
5	HN0.625-11ZF	5/8-11 UNC Hex Nut

Parts Diagram

Parallel - Rail Breakdown



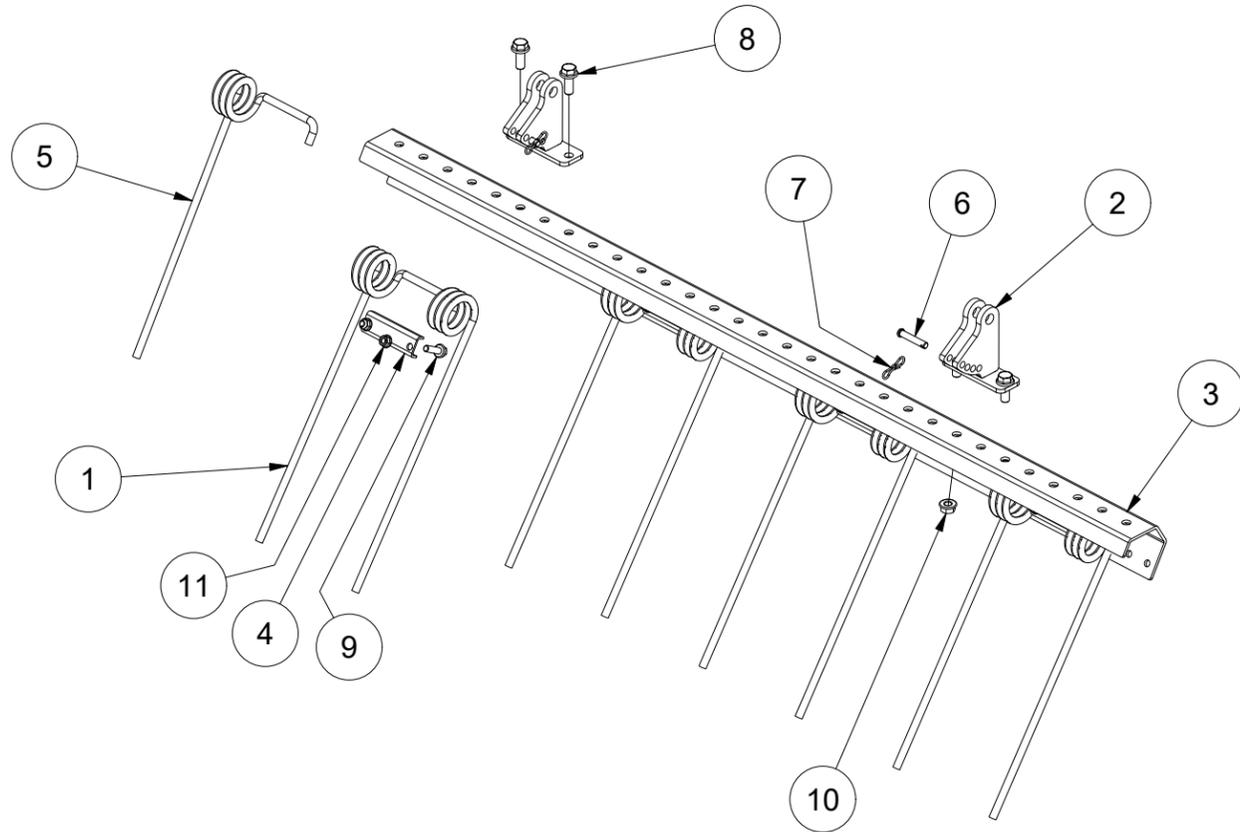
Parts Description

Parallel - Rail Breakdown

Item	Part Number	Description
1	CBGR500.625-11x3ZF (SN)	Carriage Bolt - Shortneck 5/8-11 UNC x 3
2	FHD-0037 FHD-0038 FHD-0039	Angle Adjustment Slide, 3 Bar Spring Tine (3BS) Angle Adjustment Slide, 3 Bar Spring Tine (STR) Angle Adjustment Slide, 4 Bar Spring Tine (4BS)
3	FR-0016	Parallel Link Bushing
4	FR-0029	5/0 Coil Chain - 9 Link
5	FR-0032	Tension Spring
6	FR-0006 FR-0039 FR-0056	4 Bar Tine Lift Rail (4BS) 3 Bar Tine Lift Rail (3BS) 3 Bar Tine - Sgl Roller Lift Rail (STR)
7	FR-0072	3/8" x 2-1/2" Zinc Square Double Wire Snapper Pin , FASTENAL Item ID: SNAP-375-2500S
8	FR-1011	Parallel Link Weldment
9	HCSGR50.625-11x3.5ZF	5/8-11 UNC x 3.5 Hex Cap Srew w/ Std. Thread
10	L-A0077	7/16 x 1 3/4 Lynch Pin
11	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut

Parts Diagram

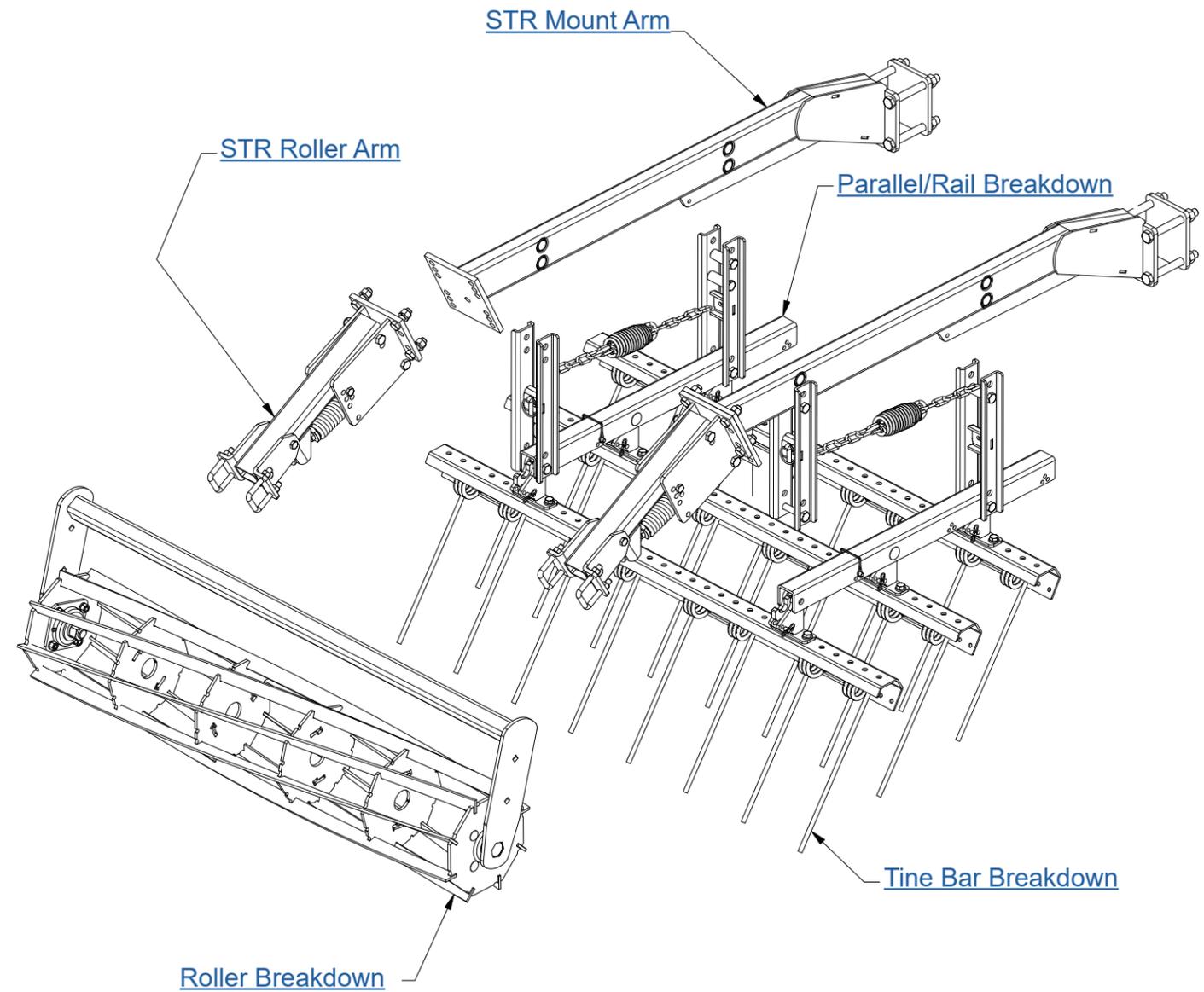
Tine Bar Breakdown - FR



Item	Part Number	Description
1	F-00012	Coil Tine
2	FHD-1029	Tine Pivot Weldment
3	FR-0007 FR-0044 FR-0023 FR-0045 FR-0024	4' Tine Bar 4'8" Tine Bar 5'4" Tine Bar 6' Tine Bar 6'8" Tine Bar
4	FR-0018	Tine Clamp
5	FR-0050	Half Coil Tine
6	FR-0070	3/8" x 2" Zinc Finish Clevis Pin, FASTENAL PN:0156752
7	FR-0071	Bow Tie Cotter Pin For 5/16" - 3/8" Shaft, FASTENAL PN: 11104496
8	HFB0.5-13x1.25GR5ZF	1/2-13 UNC x 1.25 Hex Flange Bolt
9	HFB0.375-16x1.25GR5ZF	3/8-16 UNC x 1.25 Hex Flange Bolt
10	IFI - I0.5 - 13, HFNI(1)	Hex Flange Nut
11	IFI - I0.375 - 16, HFNI(1)	Hex Flange Nut

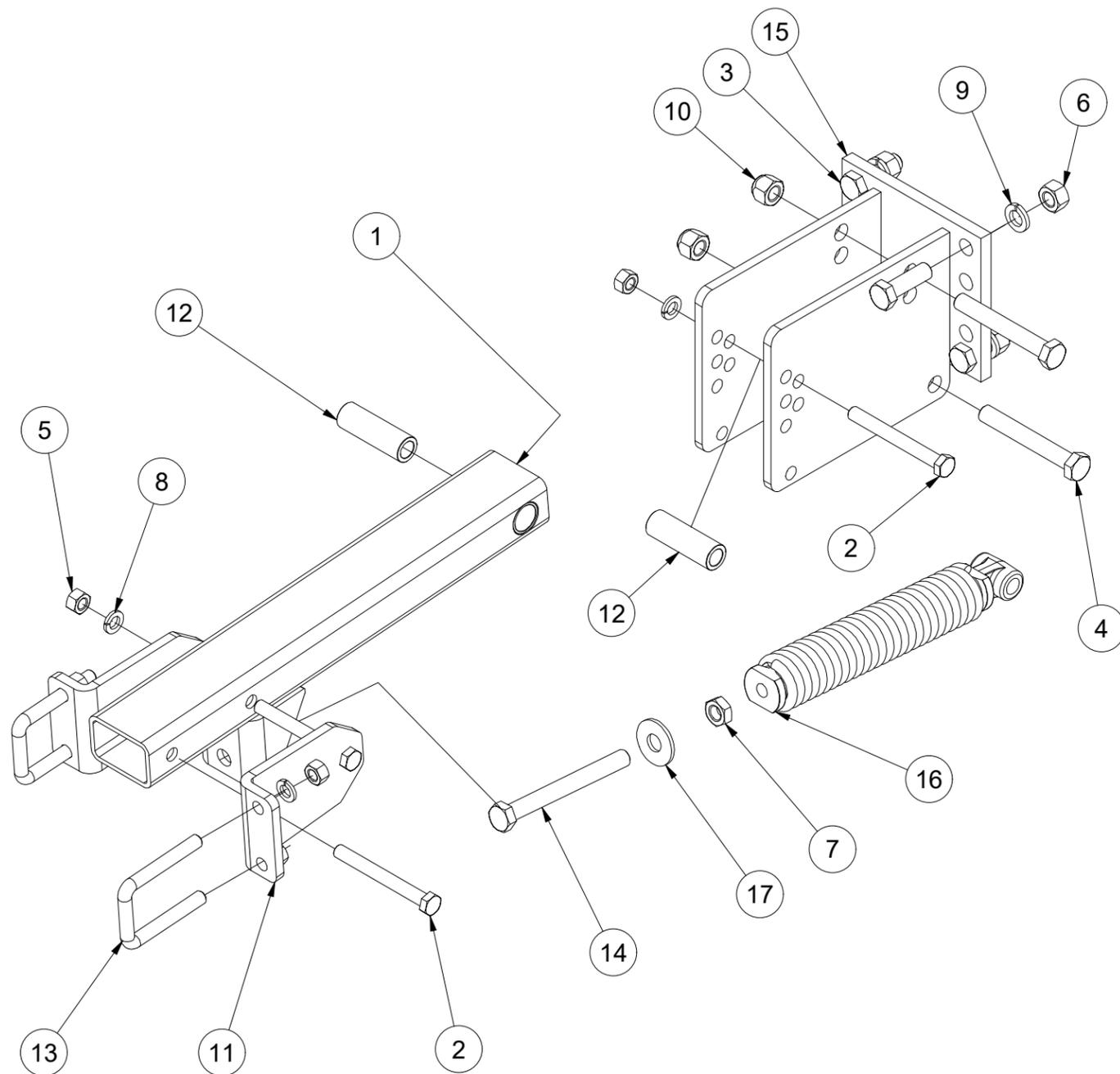
Parts Diagram

3 Bar Tine Single Roller Harrow



Parts Diagram

STR Roller Arm



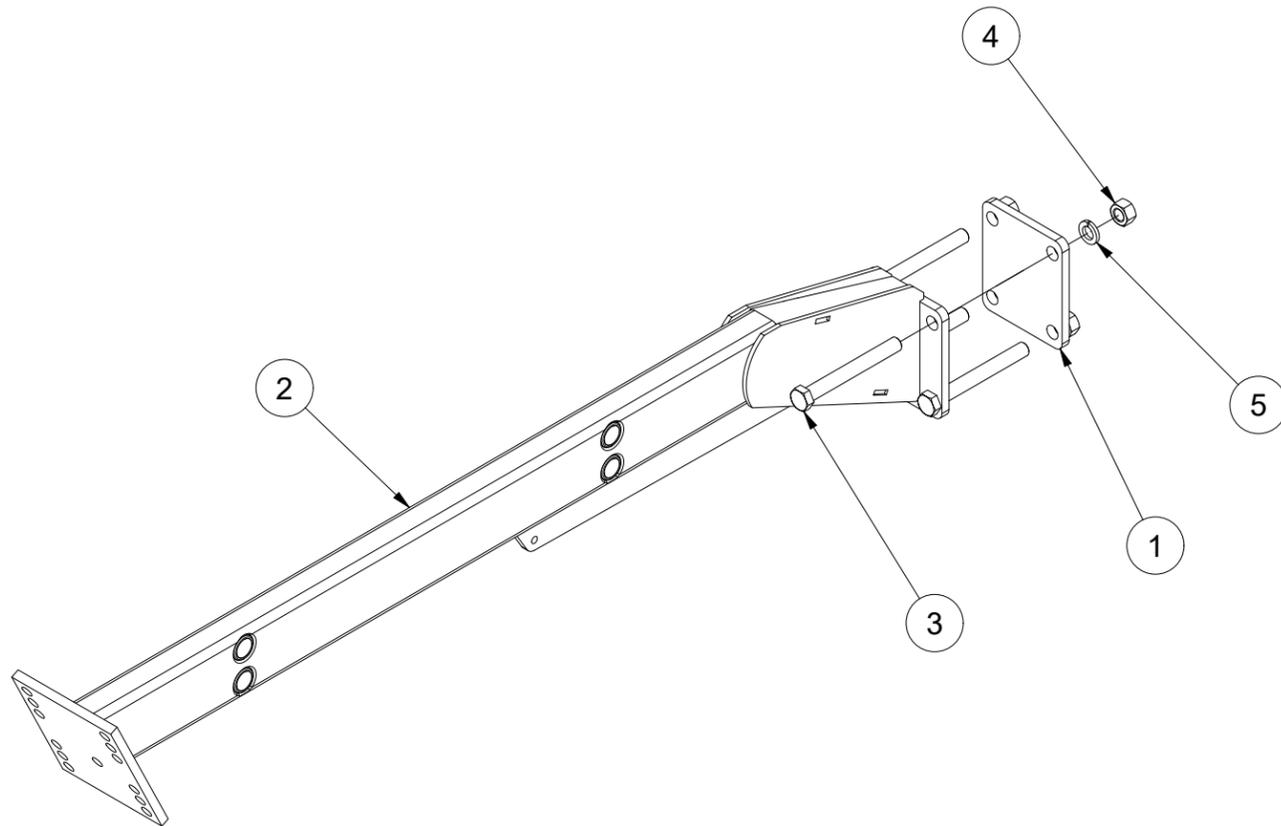
Parts Description

STR Roller Arm

Item	Part Number	Description
1	FR-1016	Roller Arm Weldment
2	HCSGR50.5-13x4.5ZF	1/2-13 UNC x 4.5 Hex Cap Srew w/ Std. Thread
3	HCSGR50.625-11x2ZF	5/8-11 UNC x 2 Hex Cap Screw w/ Std. Thread
4	HCSGR50.625-11x4.5ZF	5/8-11 UNC x 4.5 Hex Cap Screw w/ Std. Thread
5	HN0.5-13ZF	1/2-13 UNC Hex Nut
6	HN0.625-11ZF	5/8-11 UNC Hex Nut
7	JN0.625-11ZF	Jam Nut 5/8-11 UNC Zinc
8	LW0.5ZF	1/2 Lock Washer
9	LW0.625ZF	5/8 Lock Washer
10	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
11	RB-0013	Gang Bracket
12	RB-0019	Spacer
13	RB-0025	1/2-13 UNC x 2 x 3.50 U-Bolt
14	RB-0046	5/8-11 UNC x 6 Hex Cap Screw w/ Full Thread
15	RB-1002	Pivot Bracket Weldment
16	RB-1048	Roller Arm Spring Assy
17	WU0.625ZF	5/8 USS Washer

Parts Diagram

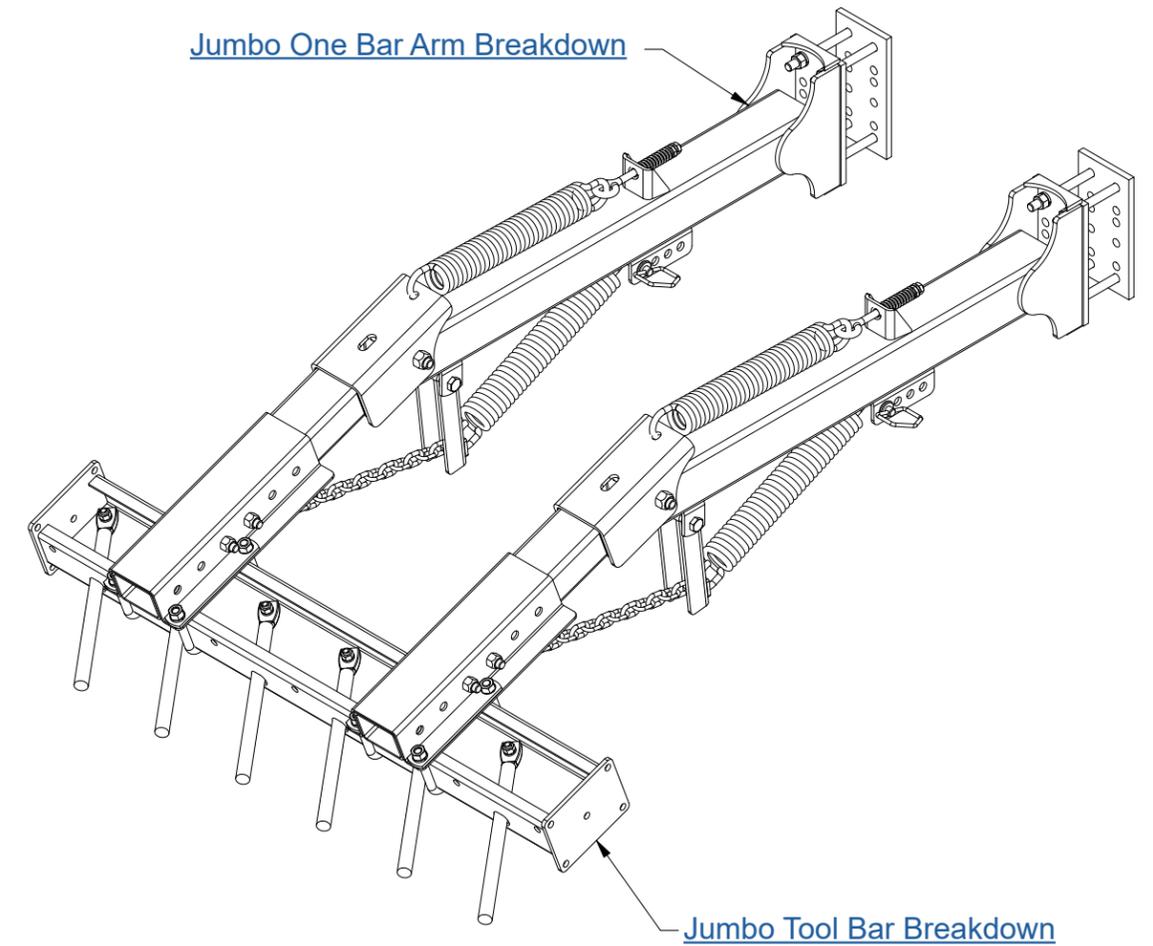
STR Mount Arm



Item	Part Number	Description
1	FR-0064	Mounting Arm Plate - 3/4 Bolts
2	FR-1030	3 Bar Roller Lift Arm Wldmt w/ 3/4 Bolt & Bushing
3	HCSGR50.75-10x6.5ZF	3/4-10 UNC x 6.5 Hex Cap Screw w/ Std. Thread
4	HN0.75-10ZF	3/4-10 UNC Hex Nut
5	LW0.75ZF	3/4 Lock Washer

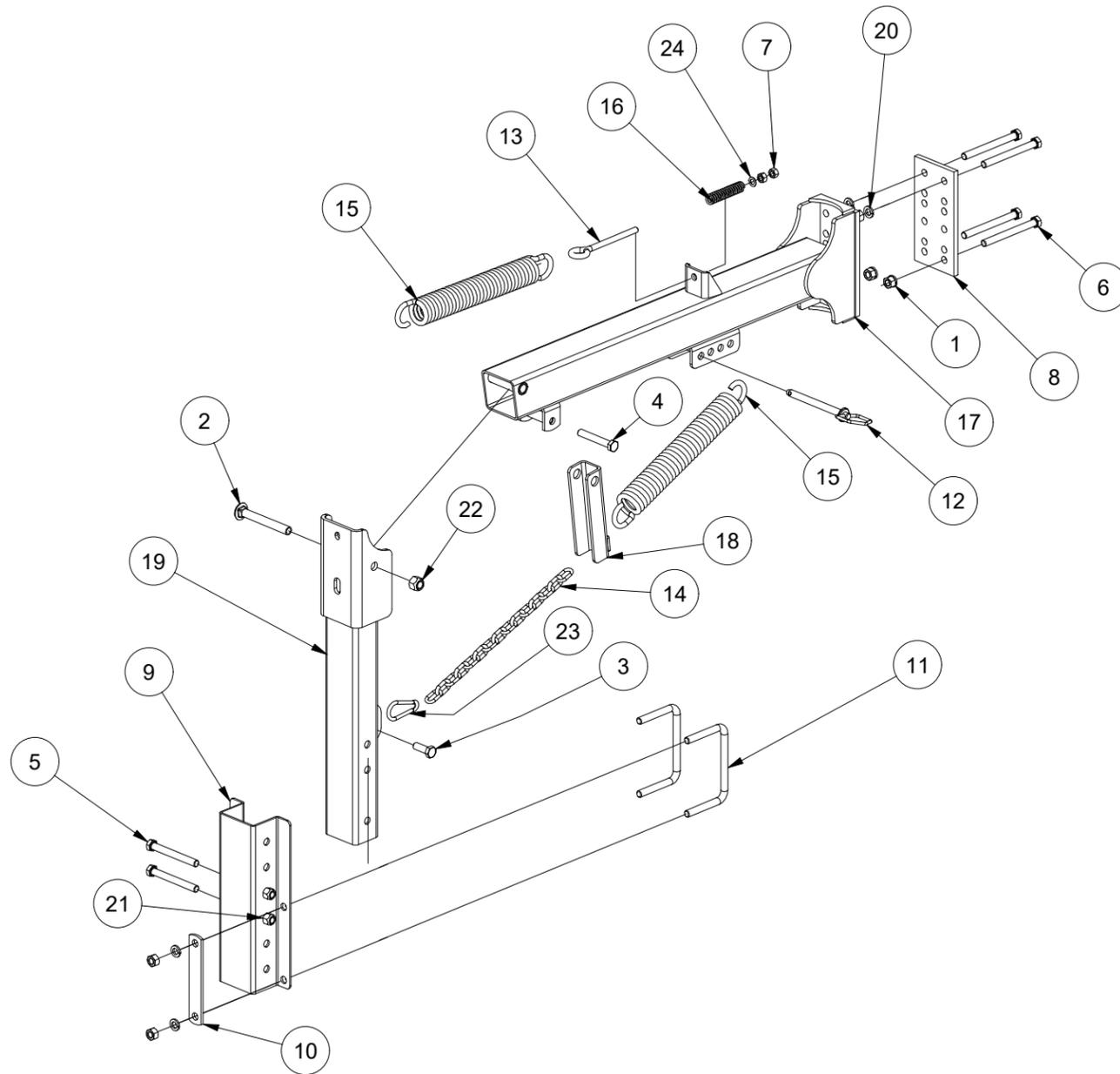
Parts Diagram

Jumbo One Bar Harrow



Parts Diagram

Jumbo One Bar Arm Breakdown



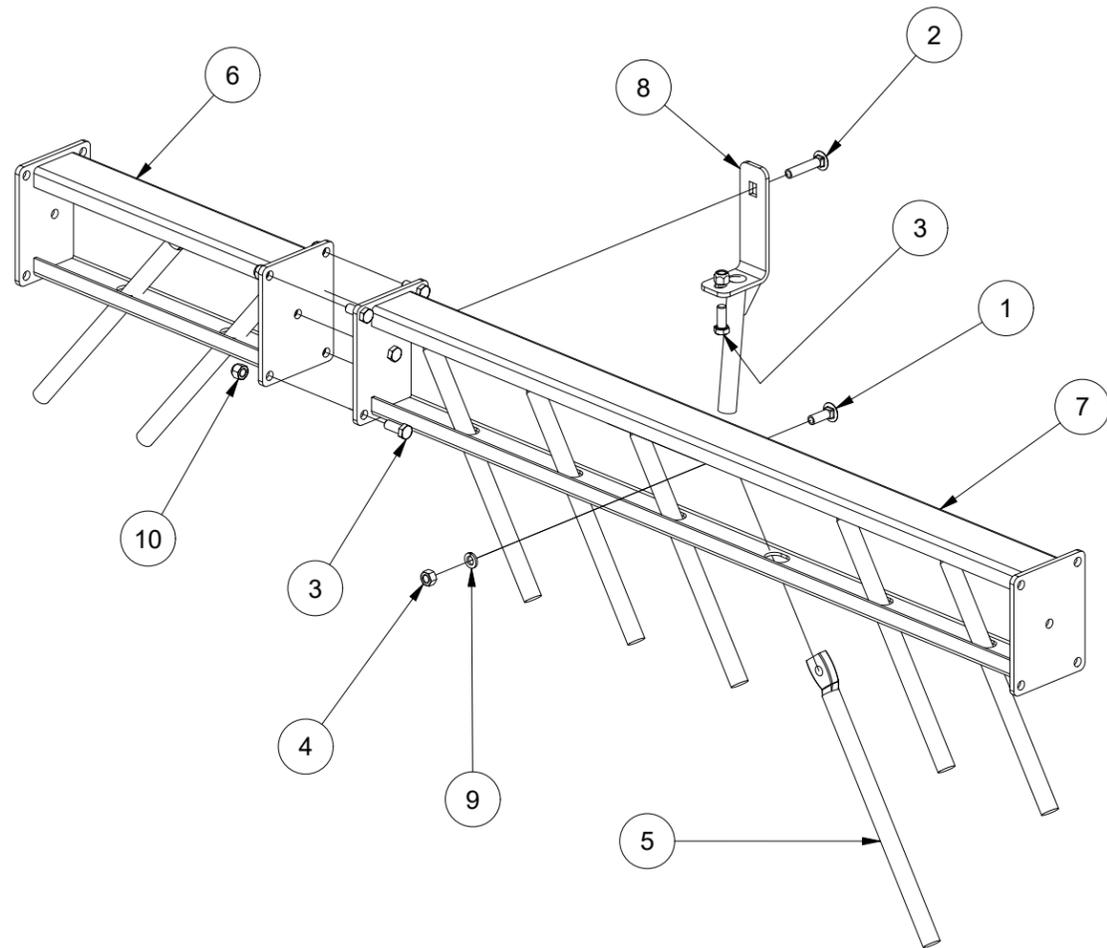
Parts Description

Jumbo One Bar Arm Breakdown

Item	Part Number	Description	Qty
1	ANSI B18.2.2 - 5/8 - 11	5/8 - 11 UNC Hex Nut	4
2	ANSI B18.5 - 3/4-10 UNC - 6	Round Head Square Neck Bolt	1
3	HCSGR50.625-11x1.75ZF	5/8-11 UNC x 1.75 Hex Cap Srew w/ Std. Thread	1
4	HCSGR50.625-11x4ZF	5/8-11 UNC x 4 Hex Cap Screw w/ Std. Thread	1
5	HCSGR50.625-11x5.5ZF	5/8-11 UNC x 5.5 Hex Cap Srew w/ Std. Thread	2
6	HCSGR50.625-11x6.5ZF	5/8-11 UNC x 6.5 Hex Cap Screw w/ 3.5 Thread	4
7	HN0.5-13ZF	1/2-13 UNC Hex Nut	2
8	JB-0002	4" to 7" Frame Plate	1
9	JB-0016	Tool Bar Bracket Mount	1
10	JB-0017	Support Back Plate	2
11	JB-0024-AS	5/8"-11 x 6 9/16" x 4 1/2" U Bolt w/Lockwasher & Nut	2
12	JB-0026-AS	Spring Adjustment Pin w/Bow Tie Clip	1
13	JB-0027	1/2 X 8 Eyebolt	1
14	JB-0028	1/4" Proof Coil Chain - 15 Link	1
15	JB-0029	Tension Spring	2
16	JB-0032	Compression Spring	1
17	JB-1011	42" Mount Arm Weldment	1
18	JB-1012	Spring Extension Bracket Weldment	1
19	JB-1013	Harrow Mount Arm Weldment	1
20	LW0.625ZF	5/8 Lock Washer	4
21	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut	4
22	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut	1
23	SN375BZB0000	3/8" Snap Pear Link	1
24	WM0.50x0.048ZF	1/2 x 18 Ga. Machine Bushing	1

Parts Diagram

Jumbo Tool Bar Breakdown



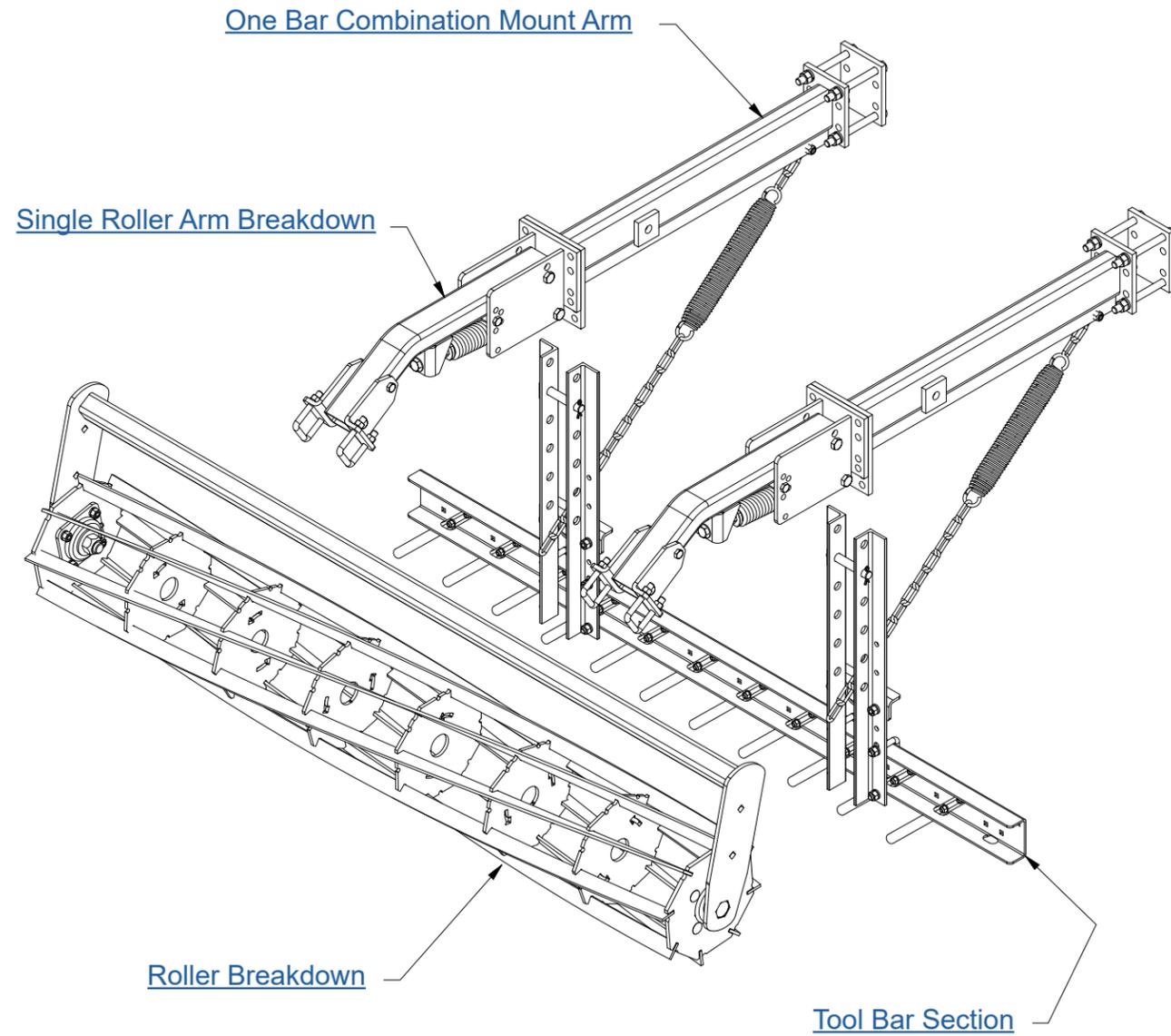
Parts Description

Jumbo Tool Bar Breakdown

Item	Part Number	Description
1	CBGR50.5-13x1.5ZF	*Varies*
2	CBGR50.5-13x2.5ZF	1/2-13 UNC x 2.5 Gr 5 Carriage Bolt
3	HCSGR50.5-13x1.25ZF	Hex Cap Screw 1/2-13 UNC x 1.25 w/ Std. Thread Gr.5 Zinc
4	HN0.5-13ZF	1/2-13 UNC Hex Nut
5	JB-0030	Heavy Duty Tooth
6	JB-1001 JB-1002	1'-4" Tool Bar Extension Weldment 2'-8" Tool Bar Extension Weldment
7	JB-1003 JB-1004 JB-1006 JB-1007 JB-1008	4 Tool Bar Weldment 5'-4" Tool Bar Weldment 6'-8" Tool Bar Weldment 8' Tool Bar Weldment 9'4" Tool Bar Weldment
8	JB-1010	Center Tooth Weldment
9	LW0.5ZF	1/2 Lock Washer
10	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut

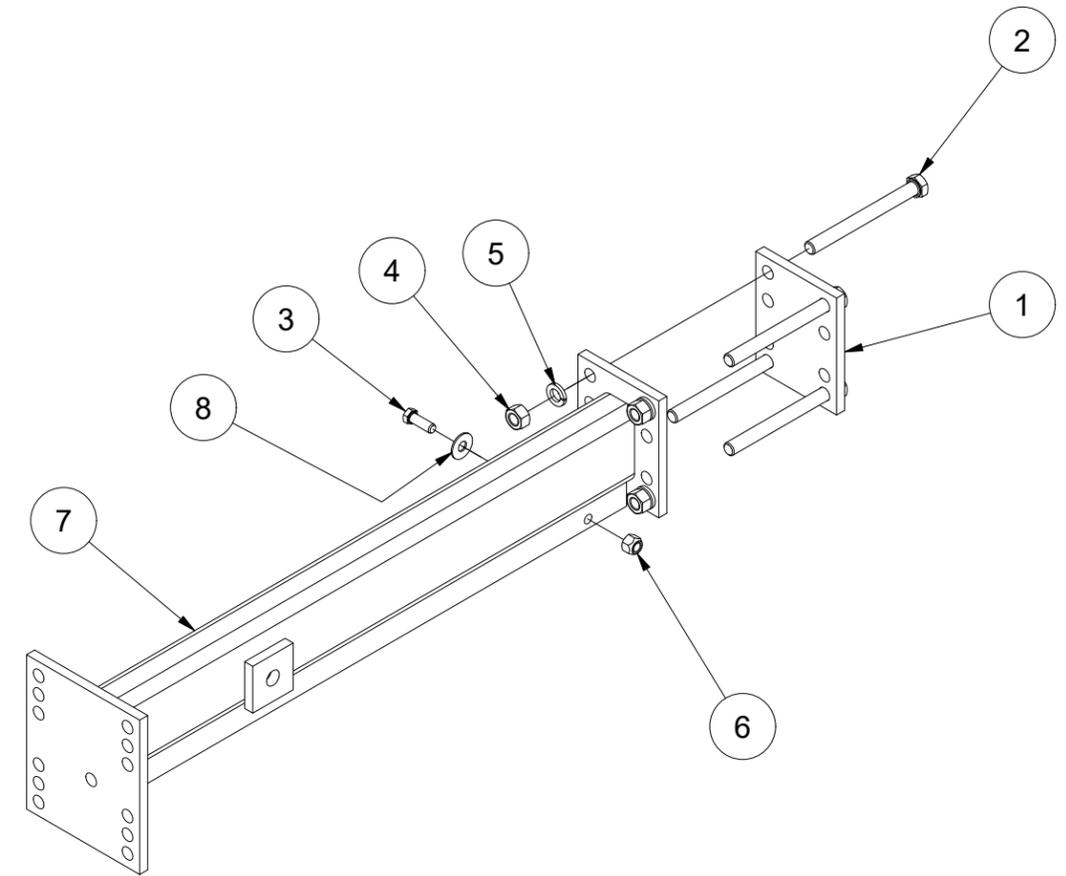
Parts Diagram

One Bar Harrow Single Roller Combination



Parts Diagram

One Bar Combination Mount Arm

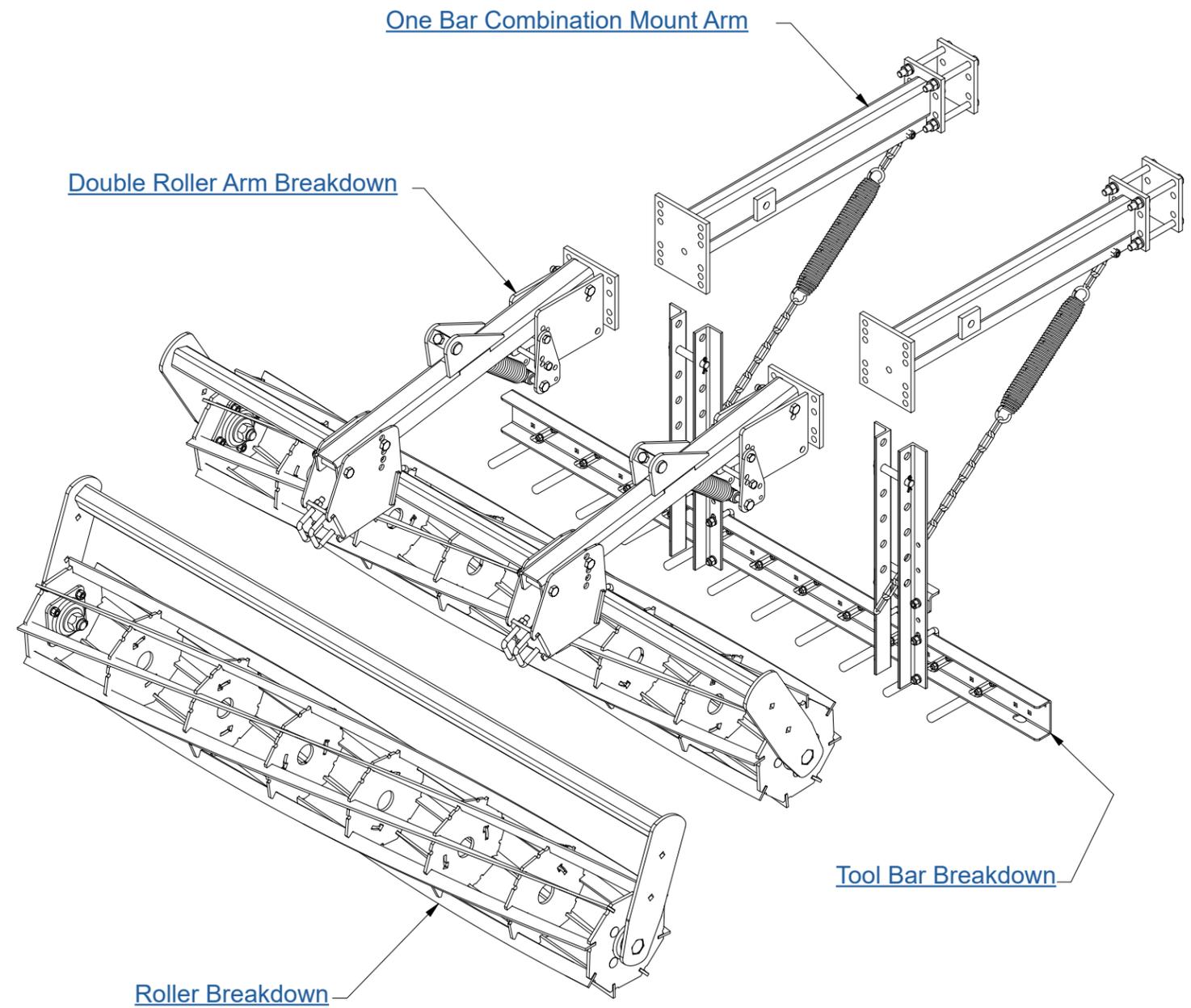


Item	Part Number	Description
1	F-00005	Mounting Arm Plate
2	HCSGR50.625-11x6.5ZFSPEC	5/8-11 UNC x 6.5 Hex Cap Screw w/ 3 1/2 Thread
3	HCSGR50.4375-14x1.25ZF	7/16-14 UNC x 1.25 Hex Cap Screw w/ Std. Thread
4	HN0.625-11ZF	5/8-11 UNC Hex Nut
5	LW0.625ZF	5/8 Lock Washer
6	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
7	RB-1034	One Bar Mount Arm Weldment
8	WU0.4375ZF	7/16 USS Washer

This page is intentionally left blank.

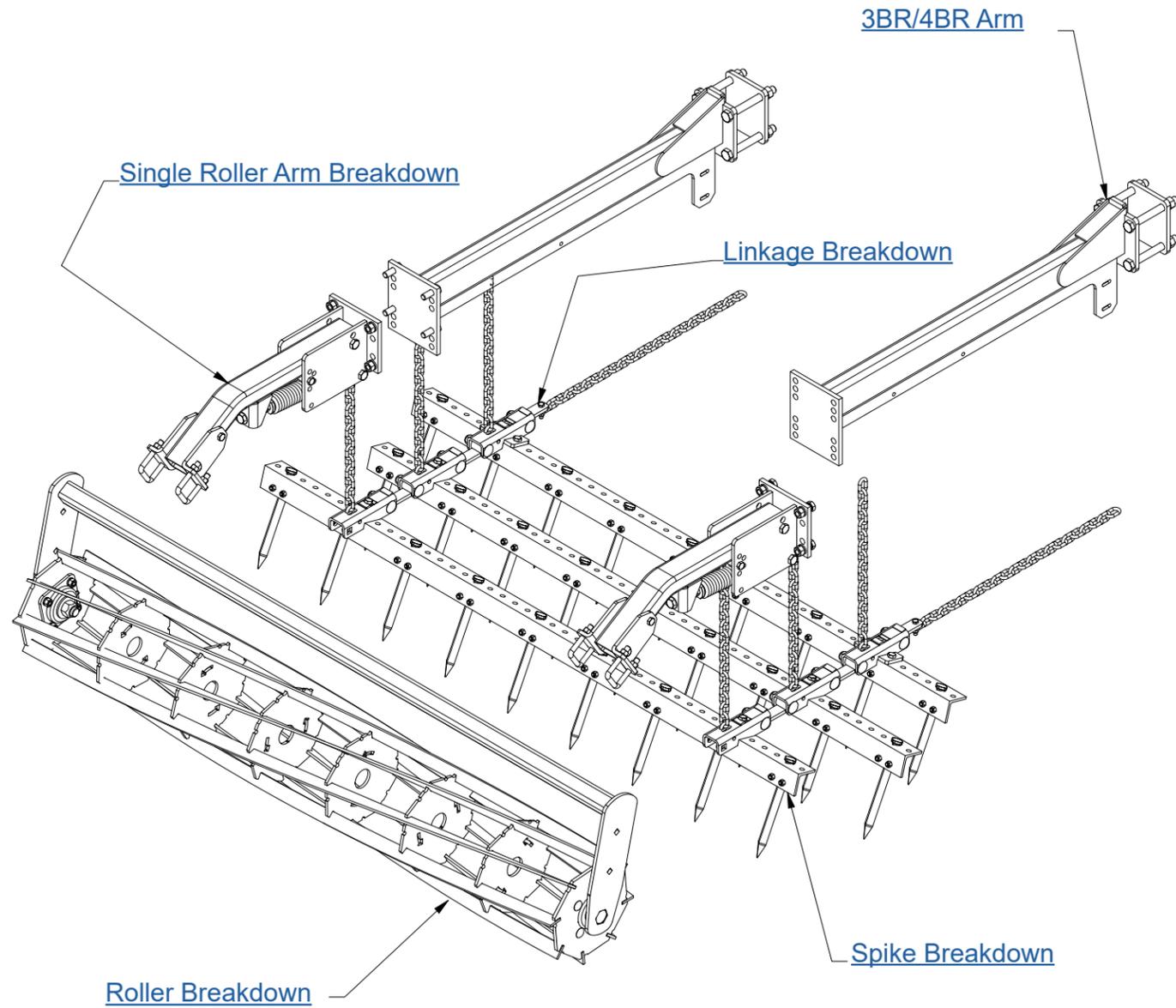
Parts Diagram

One Bar Harrow Double Roller Combination



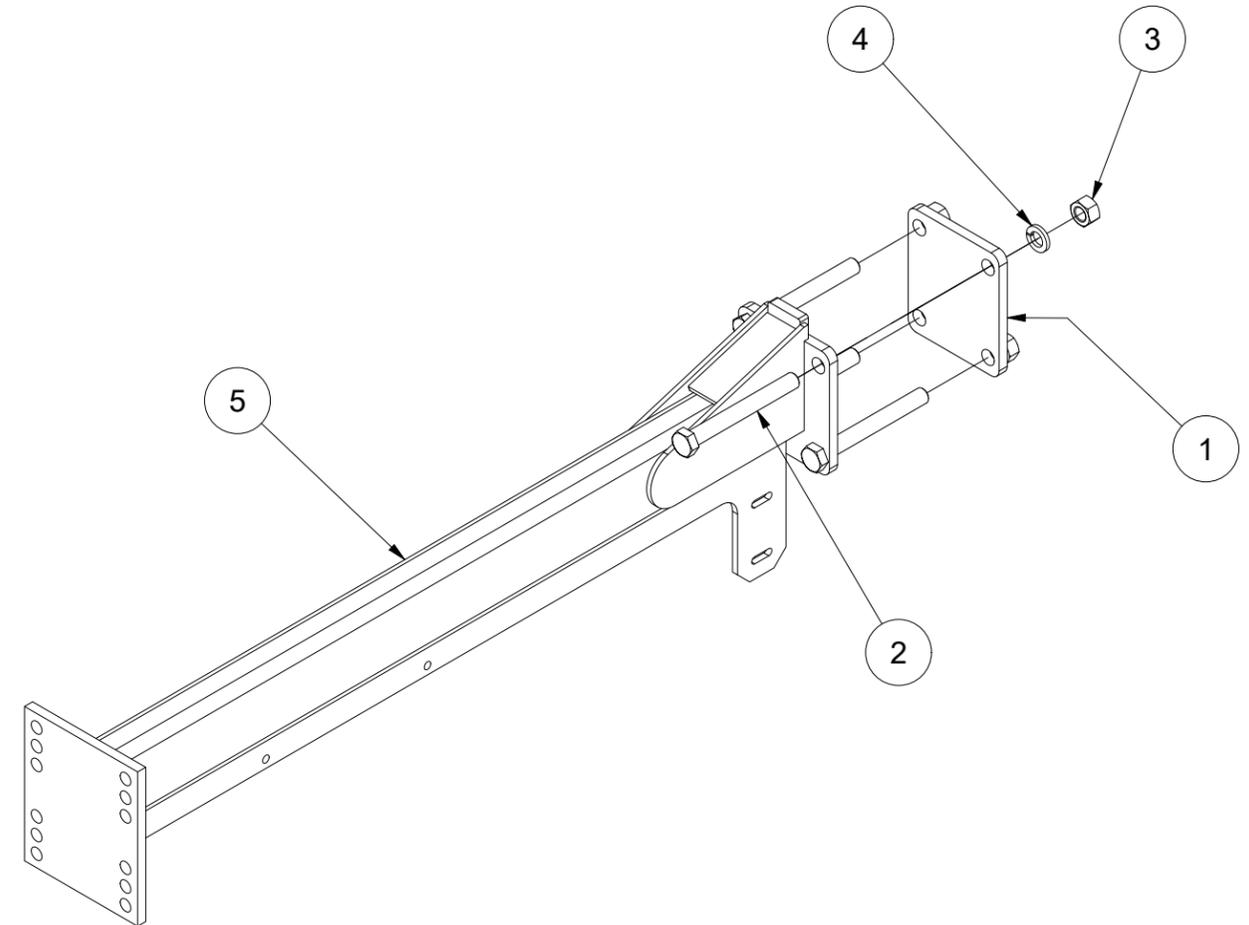
Parts Diagram

3BR & 4BR Flex Harrow



Parts Diagram

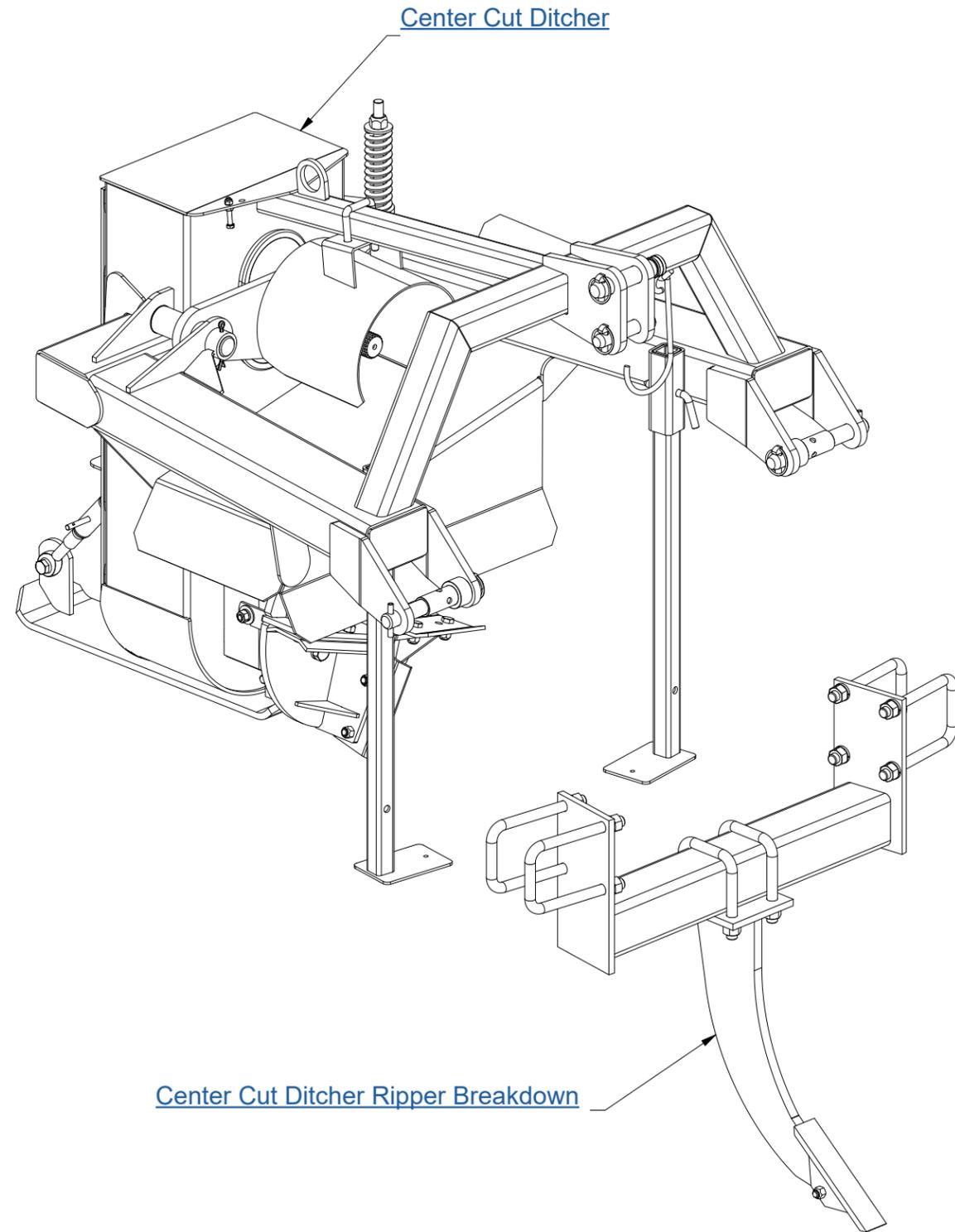
3BR/4BR Arm Breakdown



Item	Part Number	Description
1	FR-0064	Mounting Arm Plate - 3/4 Bolts
2	HCSGR50.75-10x6.5ZF	3/4-10 UNC x 6.5 Hex Cap Screw w/ Std. Thread
3	HN0.75-10ZF	3/4-10 UNC Hex Nut
4	LW0.75ZF	3/4 Lock Washer
5	RB-1037	4 Bar Flex / Single Roller Mount Arm Weldment

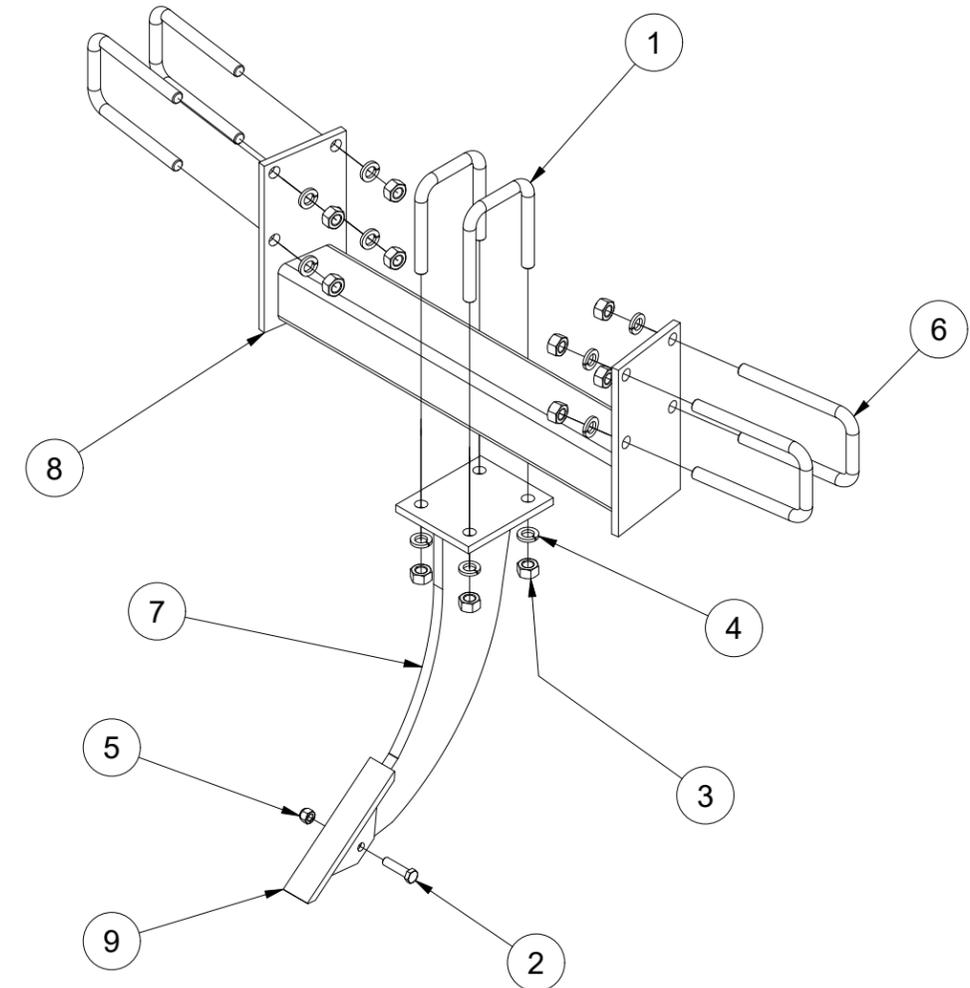
Parts Diagram

Center Cut Ditcher



Parts Diagram

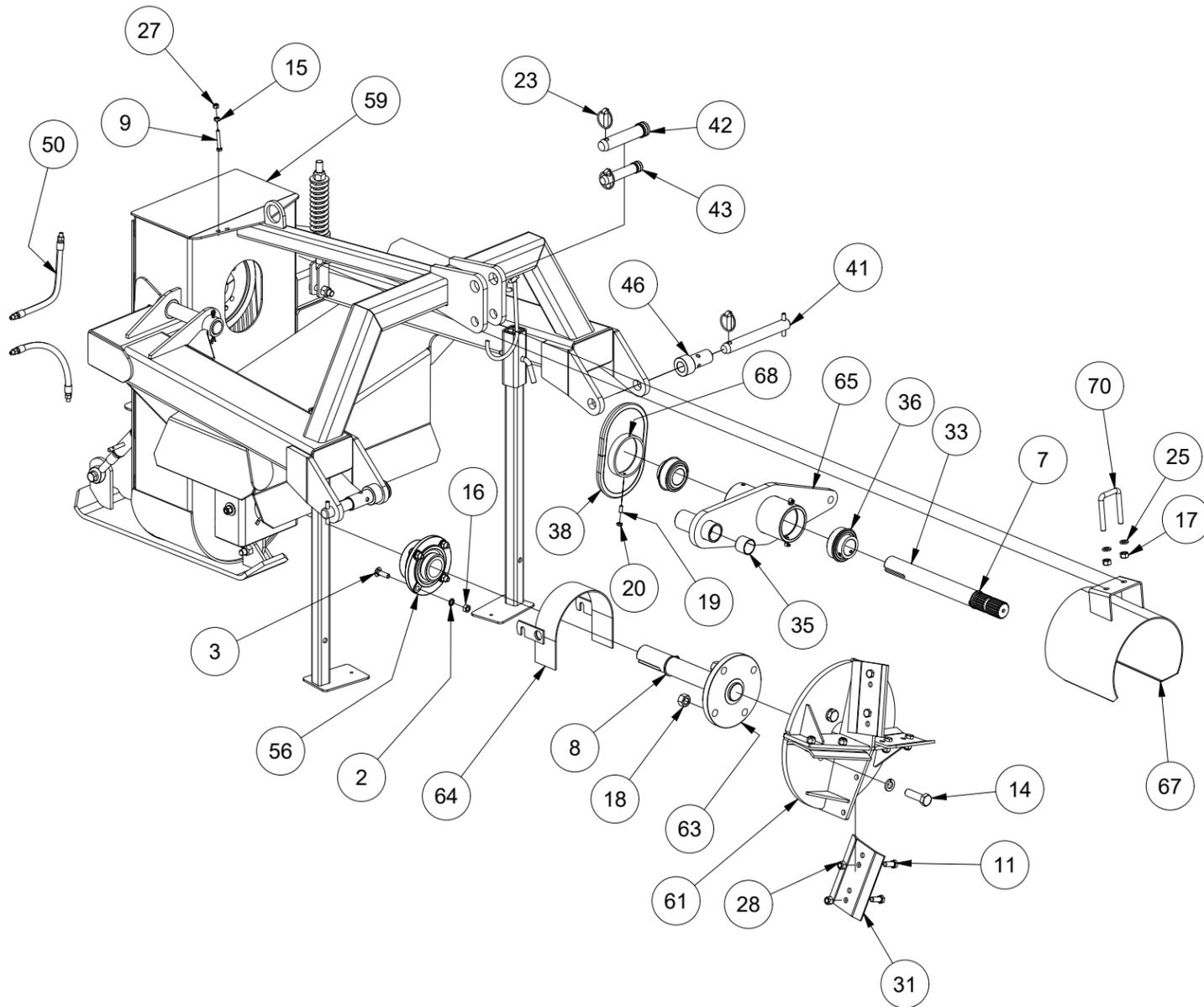
Center Cut Ditcher Ripper Breakdown



Item	Part Number	Description
1	F-00179	3/4"-10 x 4 1/16" x 5 3/4" U-Bolt
2	HCSGR50.5-13x2ZF	1/2-13 UNC x 2 Hex Cap Screw w/ Std. Thread
3	HN0.75-10ZF	3/4-10 UNC Hex Nut
4	LW0.75ZF	3/4 Lock Washer
5	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
6	PD-0007	10000202 - 3/4"-10 x 4 1/8" x 7 3/4" U-Bolt
7	PD-1000	40000014 - Shank Weldment
8	PD-1001	40000016 - Tool Bar Weldment
9	PD-1002 PD-1042	40000029 - Ripper Point Weldment Ripper Point w/ Fin Weldment

Parts Diagram

Center Cut Ditcher (Front)



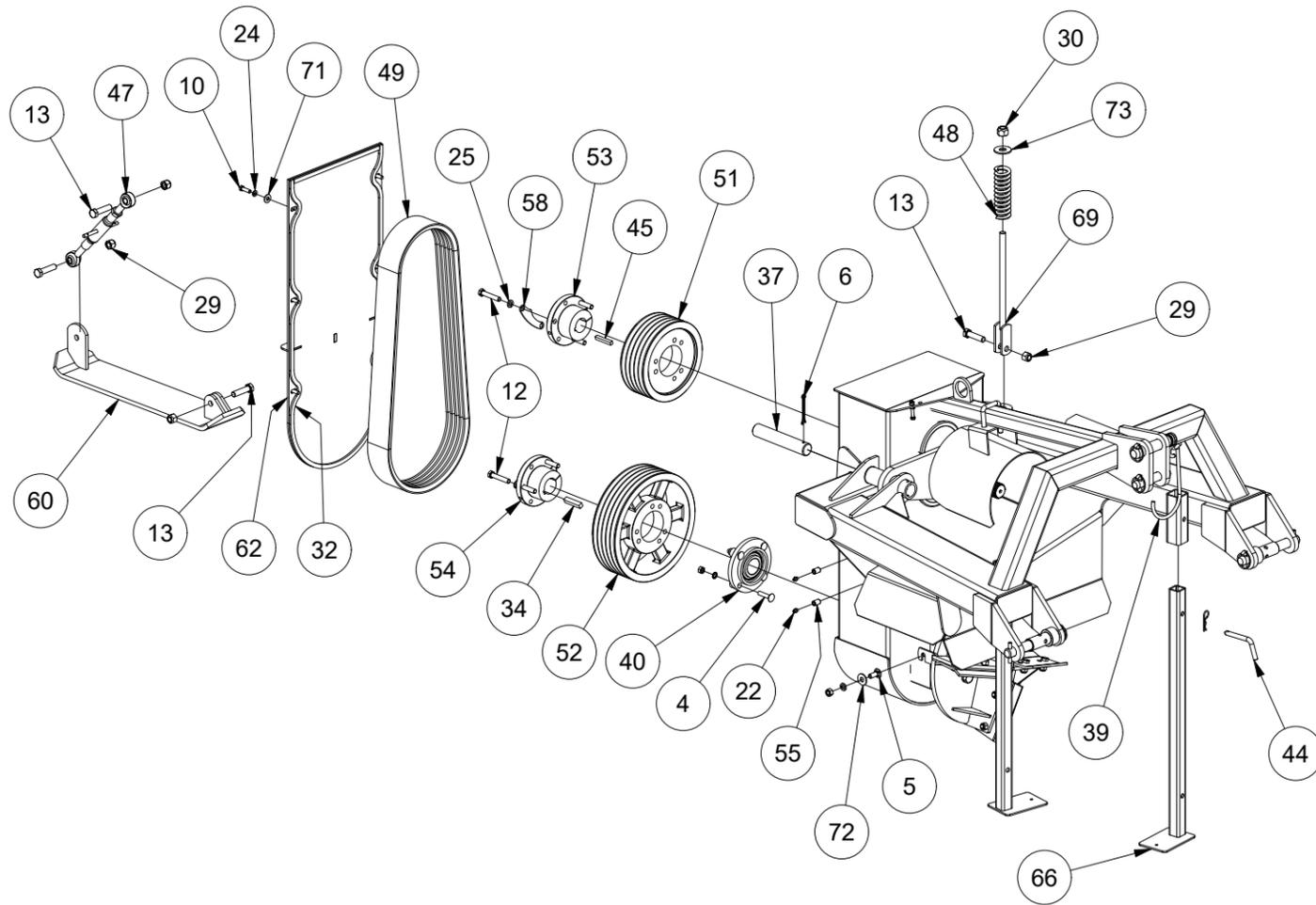
Parts Description

Center Cut Ditcher

Item	Part Number	Description
2	ASME B18.21.1 - 7/16 . Carbon Steel, ETLWTA(1)	External Tooth Lock Washer
3	CBGR50.4375-14x1.5ZF	7/16-14 UNC x 1.5 Carriage Bolt
7	ERR1.75Shaftx0.068x1.65	External Retaining Ring 1 3/4 Shaft, 0.068 Groove Width, 1.65 Diameter
8	ERR1.9375Shaftx0.125x1.782	External Retaining Ring 1 15/16 Shaft x 0.125 x 1.782
9	HCSGR50.3125-18x2ZF	5/16-18 UNC x 2 Hex Cap Srew w/ Std. Thread
11	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
14	HCSGR50.75-10x2.5ZF	3/4-10 UNC x 2.5 Hex Cap Screw w/ Std. Thread
15	HN0.3125-18ZF	5/16-18 UNC Hex Nut
16	HN0.4375-14ZF	7/16-14 UNC Hex Nut
17	HN0.5-13ZF	1/2-13 UNC Hex Nut
18	HN0.75-10ZF	3/4-10 UNC Hex Nut
19	HSSS0.3125-18x0.75ZF	5/16-18 UNC x 0.75 Hexagon Socket Set Screw
20	JN0.3125-18ZF	Jam Nut 5/16-18 UNC Zinc
23	L-A0077	7/16 x 1 3/4 Lynch Pin
25	LW0.5ZF	1/2 Lock Washer
27	OLNGRC0.3125-18ZF	5/16-18 UNC Hex Lock Nut
28	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
31	PD-0042	11600010 - Ditcher Blade
33	PD-0053	40000024 - Spline Shaft 1 3/4"-20
35	PD-0058	10900039 - Bushing MU 24TH20
36	PD-0059	10500013 - Bearing Insert 1 3/4 Standard B Seal
38	PD-0065	40000092 - Shield Trim Seal
41	PD-0072	10400033 - Lower 3pt Pin
42	PD-0073	10400034 - 1 1/4" Top Link Pin
43	PD-0074	10400035 - 1" Top Link Pin
46	PD-0078	10900026 - Quick Hitch Adapter Bushing
50	PD-0082	11100041 - 13" Grease Tube Assembly
56	PD-0088	10500050 - 1 15/16" Piloted Flange Bearing
59	PD-1003	40000117 - Center Cut Ditcher Frame Weldment
61	PD-1009	40000026 - 16" Rotor Knife Weldment
63	PD-1011	40000123 - Rotor Drive Shaft Weldment
64	PD-1012	40000120 - Rotor Shield Weldment
65	PD-1013	40000040 - Bearing Shaft Support Weldment
66	PD-1014	40000023 - Tube Stand Weldment
67	PD-1015	40000019 - PTO Shield Weldment
68	PD-1016	40000099 - Slotted Hole Shield Weldment
70	RB-0025	1/2-13 UNC x 2 x 3.50 U-Bolt

Parts Diagram

Center Cut Ditcher (Back)



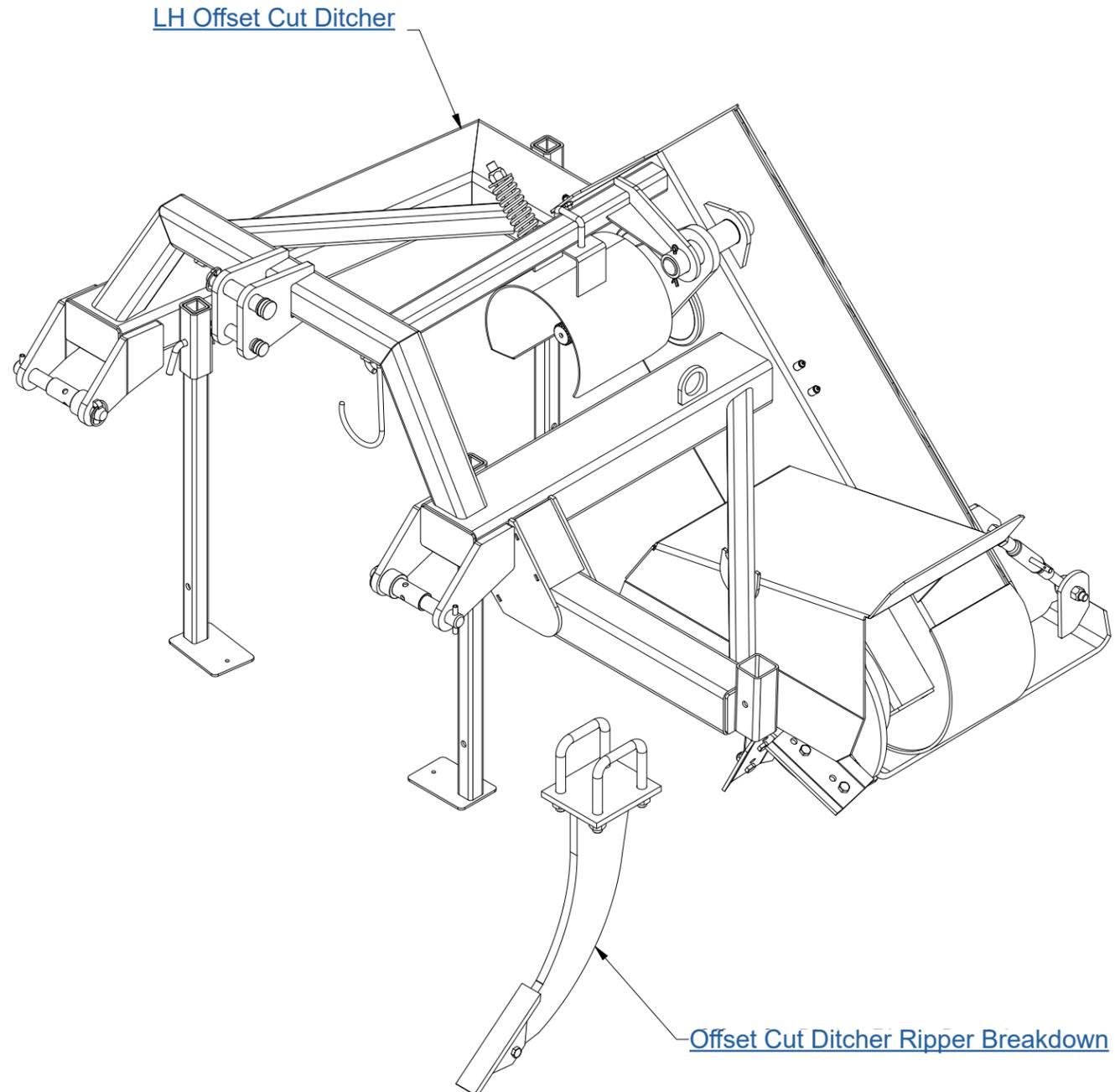
Parts Description

Center Cut Ditcher

Item	Part Number	Description
4	CBGR50.4375-14x2ZF	7/16-14 UNC x 2 Carriage Bolt
5	CBGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Carriage Bolt
6	CK0.25x3ZF	1/4 x 3 Cotter Key
10	HCSGR50.375-16x1.25ZF	3/8-16 UNC x 1.25 Hex Cap Screw w/ Std. Thread
12	HCSGR50.5-13x2.75ZF	1/2-13 UNC x 2.75 Hex Cap Screw w/ Std. Thread
13	HCSGR50.625-11x2.5ZF	5/8-11 UNC x 2.5 Hex Cap Screw w/ Std. Thread
22	Jamtek 1644	Zerk - 1/8 x 27 PTF Straight Std Length
24	LW0.375ZF	3/8 Lock Washer
25	LW0.5ZF	1/2 Lock Washer
29	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
30	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut
32	PD-0052	40000119 - Drive Cover Seal
34	PD-0054	10400089 - 1/2 Sq x 2.50 Key for 1 15/16 Shaft
37	PD-0060	40000041 - Bearing Shaft Support Pin
39	PD-0066	40000083 - PTO Support Hook
40	PD-0069	10500044 - 4 Bolt Pilot Flange 1 15/16 Bearing
44	PD-0075	10400040 - Bent Hitch Pin
45	PD-0077	10400083 - 3/8 Sq x 2.50 Key
46	PD-0078	10900026 - Quick Hitch Adapter Bushing
47	PD-0079	12200018 - Forged Top Link Assembly
48	PD-0080	10800011 - Tensioner Spring
49	PD-0081	11800015 - 5/5V800 Banded Belt x 80" OD
51	PD-0083	10700016 - 9 3/4" Sheave
52	PD-0084	10700017 - 13 1/4" Sheave
53	PD-0085	10900010 - 1 3/4" Type E Bushing
54	PD-0086	10900034 - 1 15/16" Type E Bushing
55	PD-0087	H0318 - 1/8" Female Pipe Coupling
58	PD-0144	PD Key Stop
60	PD-1008	40000121 - Skid Plate Weldment
62	PD-1010	40000118 - Drive Housing Cover Weldment
66	PD-1014	40000023 - Tube Stand Weldment
69	PD-1019	40000124 - Tensioner Adjusting Bolt Weldment
71	WU0.375ZF	3/8 USS Washer
72	WU0.5ZF	1/2 USS Washer
73	WU0.75ZF	3/4 USS Washer

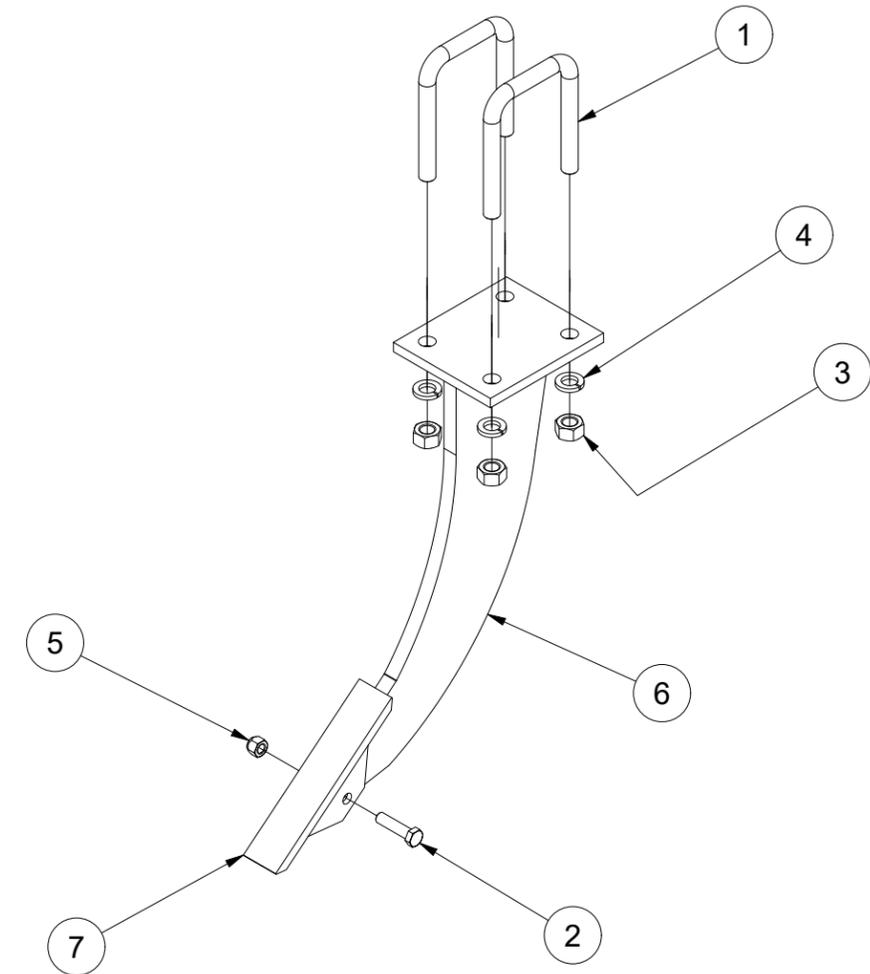
Parts Diagram

LH Offset Cut Ditcher



Parts Diagram

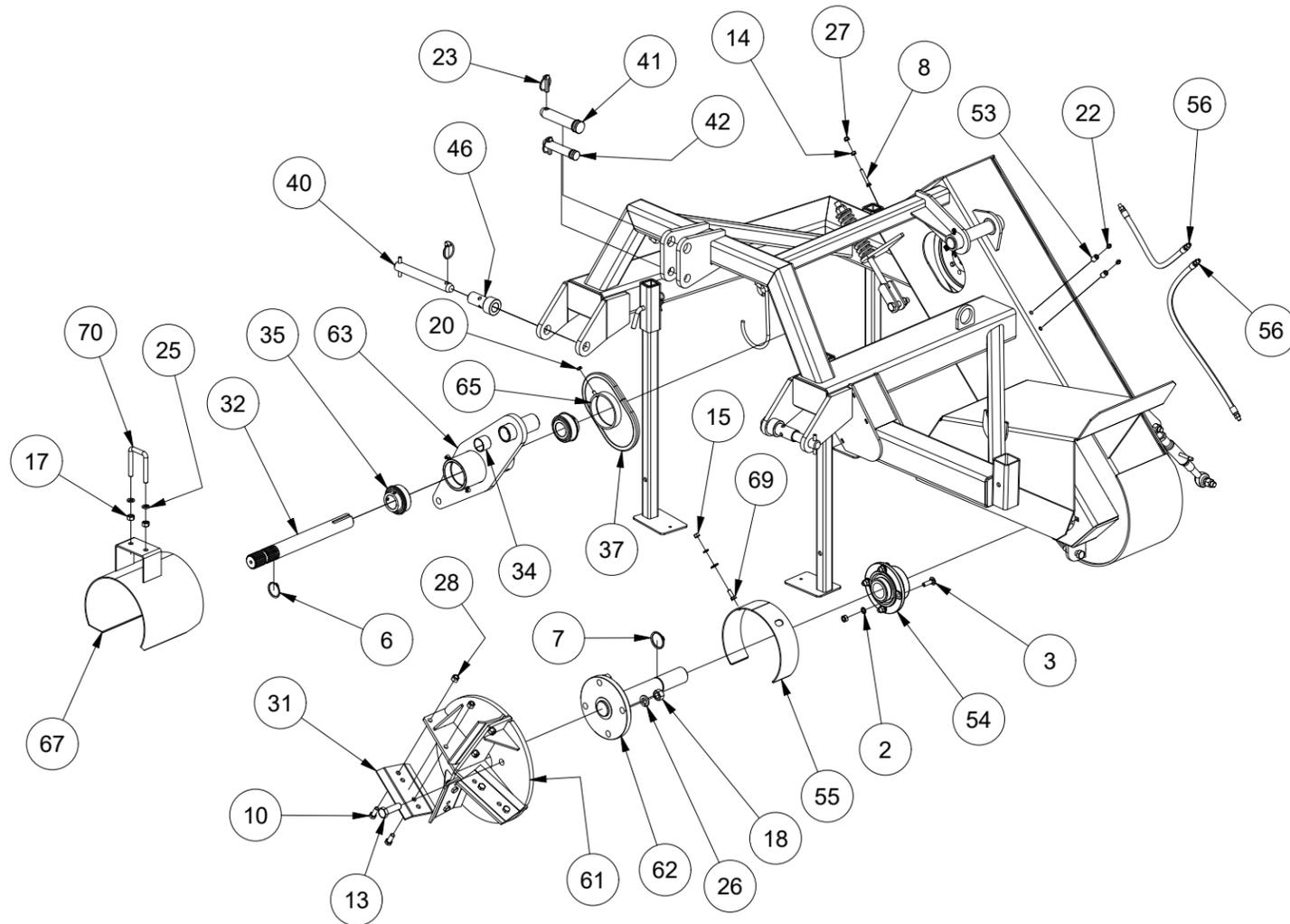
Offset Cut Ditcher Ripper Breakdown



Item	Part Number	Description
1	F-00179	3/4"-10 x 4 1/16" x 5 3/4" U-Bolt
2	HCSGR50.5-13x2ZF	1/2-13 UNC x 2 Hex Cap Screw w/ Std. Thread
3	HN0.75-10ZF	3/4-10 UNC Hex Nut
4	LW0.75ZF	3/4 Lock Washer
5	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
6	PD-1000	40000014 - Shank Weldment
7	PD-1002 PD-1042	40000029 - Ripper Point Weldment Ripper Point w/ Fin Weldment

Parts Diagram

LH Offset Cut Ditcher (Front)



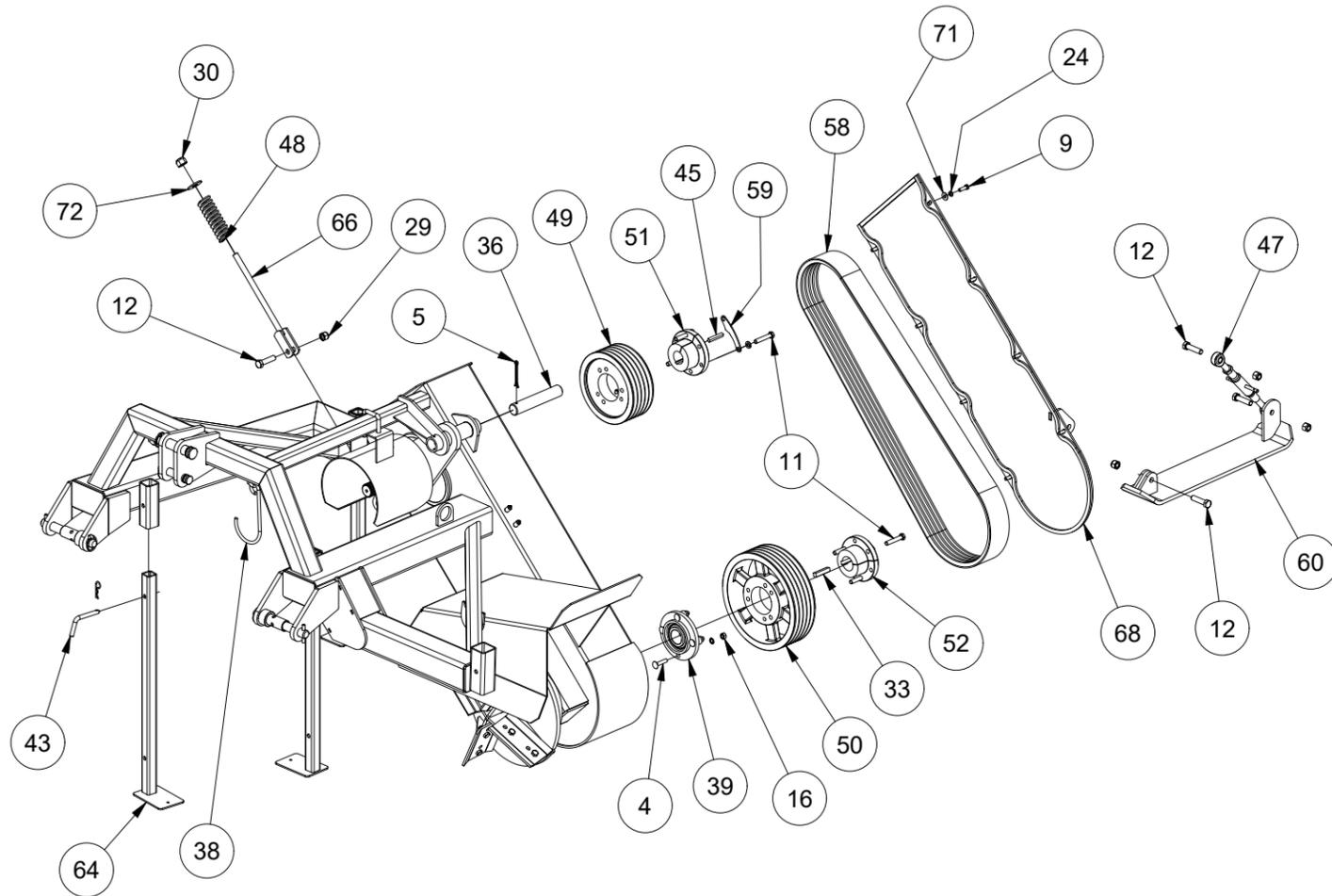
Parts Description

LH Offset Cut Ditcher

Item	Part Number	Description
2	ASME B18.21.1 - 7/16 . Carbon Steel, ETLWTA(1)	External Tooth Lock Washer
3	CBGR50.4375-14x1.5ZF	7/16-14 UNC x 1.5 Carriage Bolt
6	ERR1.75Shaftx0.068x1.65	External Retaining Ring 1 3/4 Shaft, 0.068 Groove Width, 1.65 Diameter
7	ERR1.9375Shaftx0.125x1.782	External Retaining Ring 1 15/16 Shaft x 0.125 x 1.782
8	HCSGR50.3125-18x2ZF	5/16-18 UNC x 2 Hex Cap Srew w/ Std. Thread
10	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
13	HCSGR50.75-10x2.5ZF	3/4-10 UNC x 2.5 Hex Cap Screw w/ Std. Thread
14	HN0.3125-18ZF	5/16-18 UNC Hex Nut
15	HN0.375-16ZF	3/8-16 UNC Hex Nut
17	HN0.5-13ZF	1/2-13 UNC Hex Nut
18	HN0.75-10ZF	3/4-10 UNC Hex Nut
20	JN0.3125-18ZF	Jam Nut 5/16-18 UNC Zinc
22	Jamtek 1644	Zerk - 1/8 x 27 PTF Straight Std Length
23	L-A0077	7/16 x 1 3/4 Lynch Pin
25	LW0.5ZF	1/2 Lock Washer
26	LW0.8125ZF	13/16 Lock Washer
27	OLNGRC0.3125-18ZF	5/16-18 UNC Hex Lock Nut
28	OLNGRC0.5-13ZF	1/2-13 UNC Hex Lock Nut
31	PD-0042	11600010 - Ditcher Blade
32	PD-0053	40000024 - Spline Shaft 1 3/4"-20
34	PD-0058	10900039 - Bushing MU 24TH20
35	PD-0059	10500013 - Bearing Insert 1 3/4 Standard B Seal
37	PD-0065	40000092 - Shield Trim Seal
40	PD-0072	10400033 - Lower 3pt Pin
41	PD-0073	10400034 - 1 1/4" Top Link Pin
42	PD-0074	10400035 - 1" Top Link Pin
46	PD-0078	10900026 - Quick Hitch Adapter Bushing
53	PD-0087	H0318 - 1/8" Female Pipe Coupling
54	PD-0088	10500050 - 1 15/16" Piloted Flange Bearing
55	PD-0107	40000130 - Offset Rotor Shield
56	PD-0109	11100062 - 22 1/2" Grease Tube Assembly
61	PD-1009	40000026 - 16" Rotor Knife Weldment
62	PD-1011	40000123 - Rotor Drive Shaft Weldment
63	PD-1013	40000040 - Bearing Shaft Support Weldment
65	PD-1016	40000099 - Slotted Hole Shield Weldment
67	PD-1026	40000131 - Offset PTO Shield Weldment
69	PD-1028	40000127 - Offset Cut Ditcher Frame Weldment
70	RB-0025	1/2-13 UNC x 2 x 3.50 U-Bolt

Parts Diagram

LH Offset Cut Ditcher (Back)



Parts Description

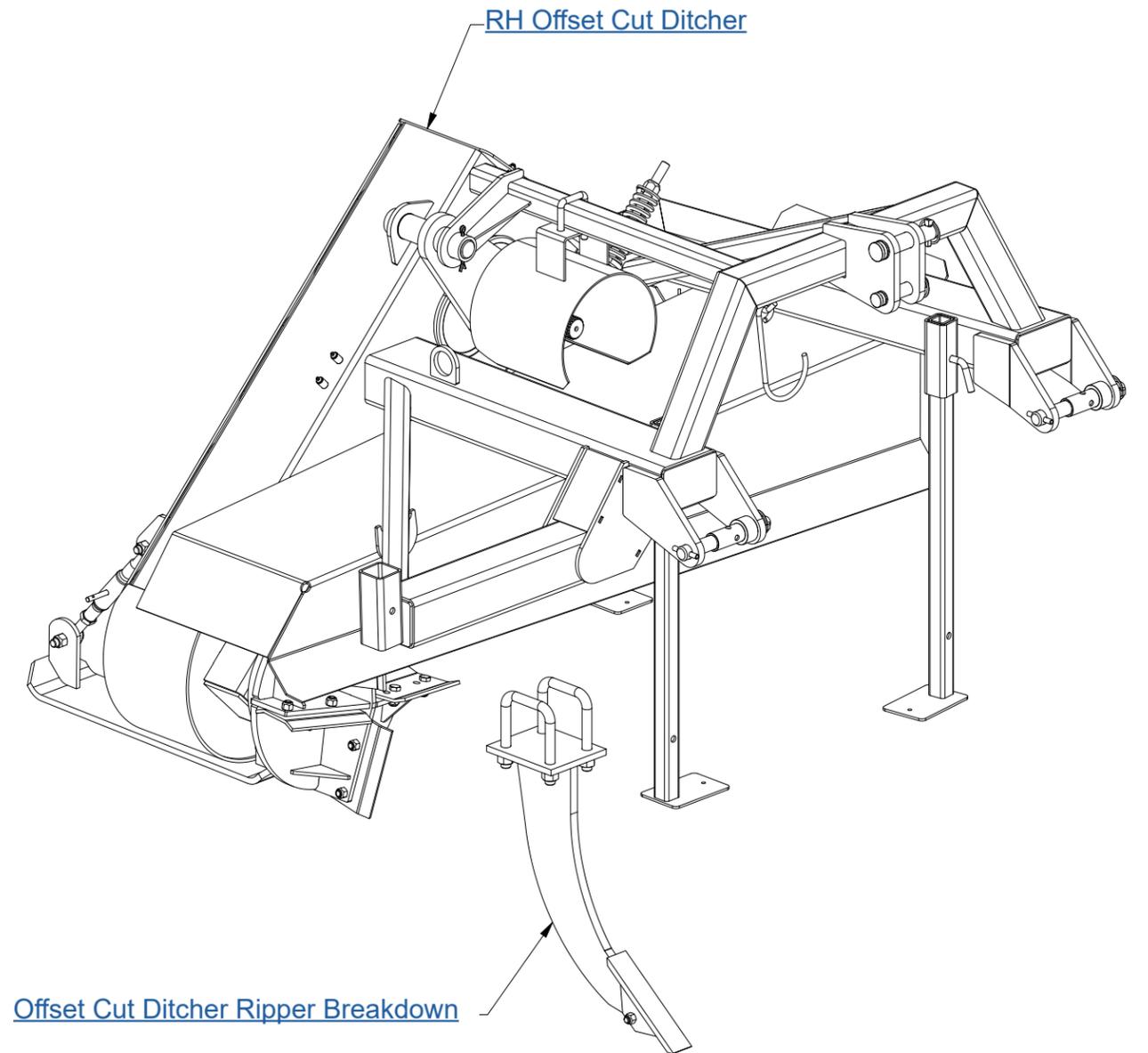
LH Offset Cut Ditcher

Item	Part Number	Description
4	CBGR50.4375-14x2ZF	7/16-14 UNC x 2 Carriage Bolt
5	CK0.25x3ZF	1/4 x 3 Cotter Key
9	HCSGR50.375-16x1.25ZF	3/8-16 UNC x 1.25 Hex Cap Screw w/ Std. Thread
11	HCSGR50.5-13x2.75ZF	1/2-13 UNC x 2.75 Hex Cap Screw w/ Std. Thread
12	HCSGR50.625-11x2.5ZF	5/8-11 UNC x 2.5 Hex Cap Screw w/ Std. Thread
16	HN0.4375-14ZF	7/16-14 UNC Hex Nut
24	LW0.375ZF	3/8 Lock Washer
29	OLNGRC0.625-11ZF	5/8-11 UNC Hex Lock Nut
30	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut
33	PD-0054	10400089 - 1/2 Sq x 2.50 Key for 1 15/16 Shaft
36	PD-0060	40000041 - Bearing Shaft Support Pin
38	PD-0066	40000083 - PTO Support Hook
39	PD-0069	10500044 - 4 Bolt Pilot Flange 1 15/16 Bearing
43	PD-0075	10400040 - Bent Hitch Pin
45	PD-0077	10400083 - 3/8 Sq x 2.50 Key
47	PD-0079	12200018 - Forged Top Link Assembly
48	PD-0080	10800011 - Tensioner Spring
49	PD-0083	10700016 - 9 3/4" Sheave
50	PD-0084	10700017 - 13 1/4" Sheave
51	PD-0085	10900010 - 1 3/4" Type E Bushing
52	PD-0086	10900034 - 1 15/16" Type E Bushing
58	PD-0112	11800022 - 5/5V1040 Banded Belt x 104" OD
59	PD-0144	PD Key Stop
60	PD-1008	40000121 - Skid Plate Weldment
64	PD-1014	40000023 - Tube Stand Weldment
66	PD-1019	40000124 - Tensioner Adjusting Bolt Weldment
68	PD-1027	Offset Drive Cover and Seal Assembly
71	WU0.375ZF	3/8 USS Washer
72	WU0.75ZF	3/4 USS Washer

This page is intentionally left blank.

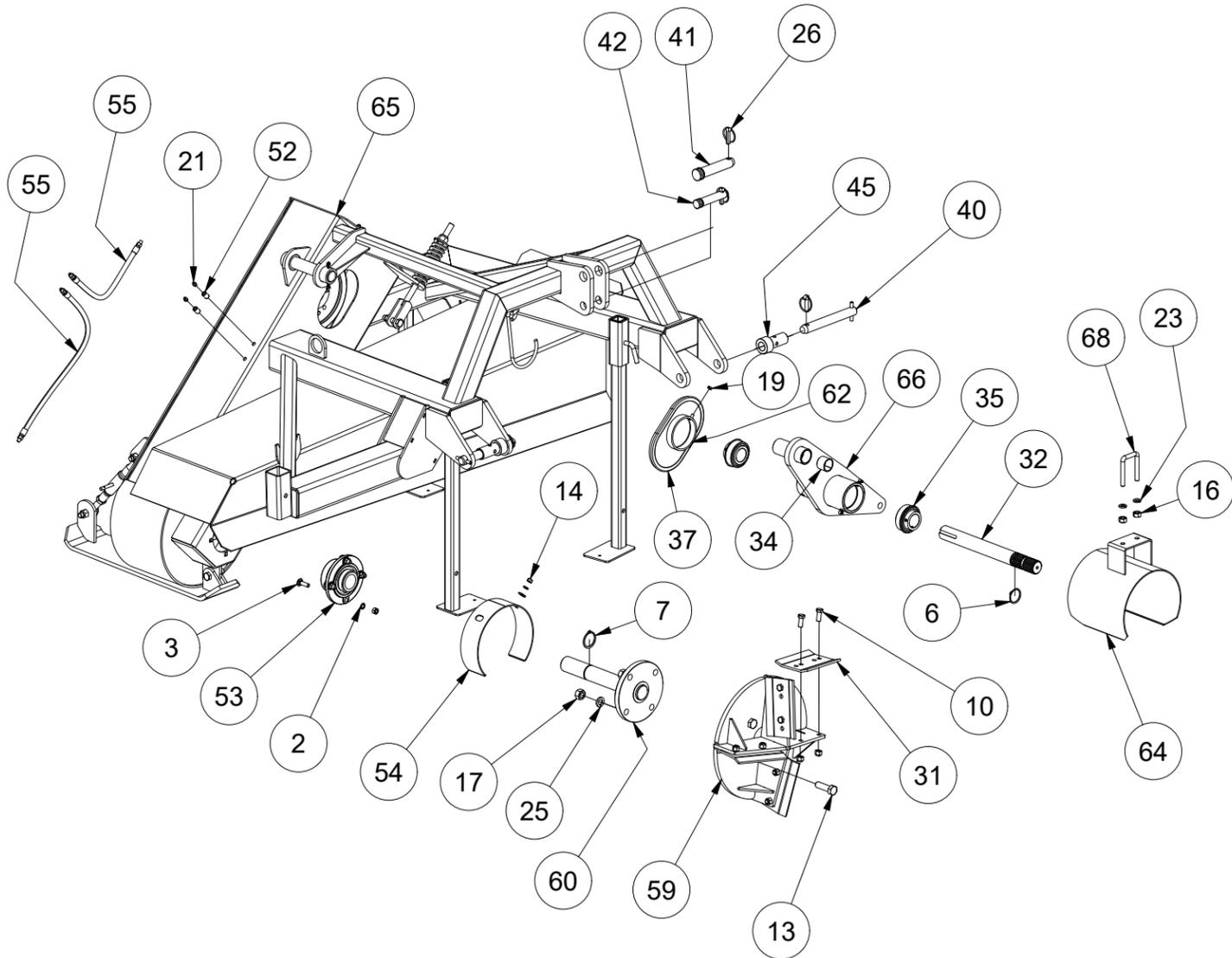
Parts Diagram

RH Offset Cut Ditcher



Parts Diagram

RH Offset Cut Ditcher (Front)



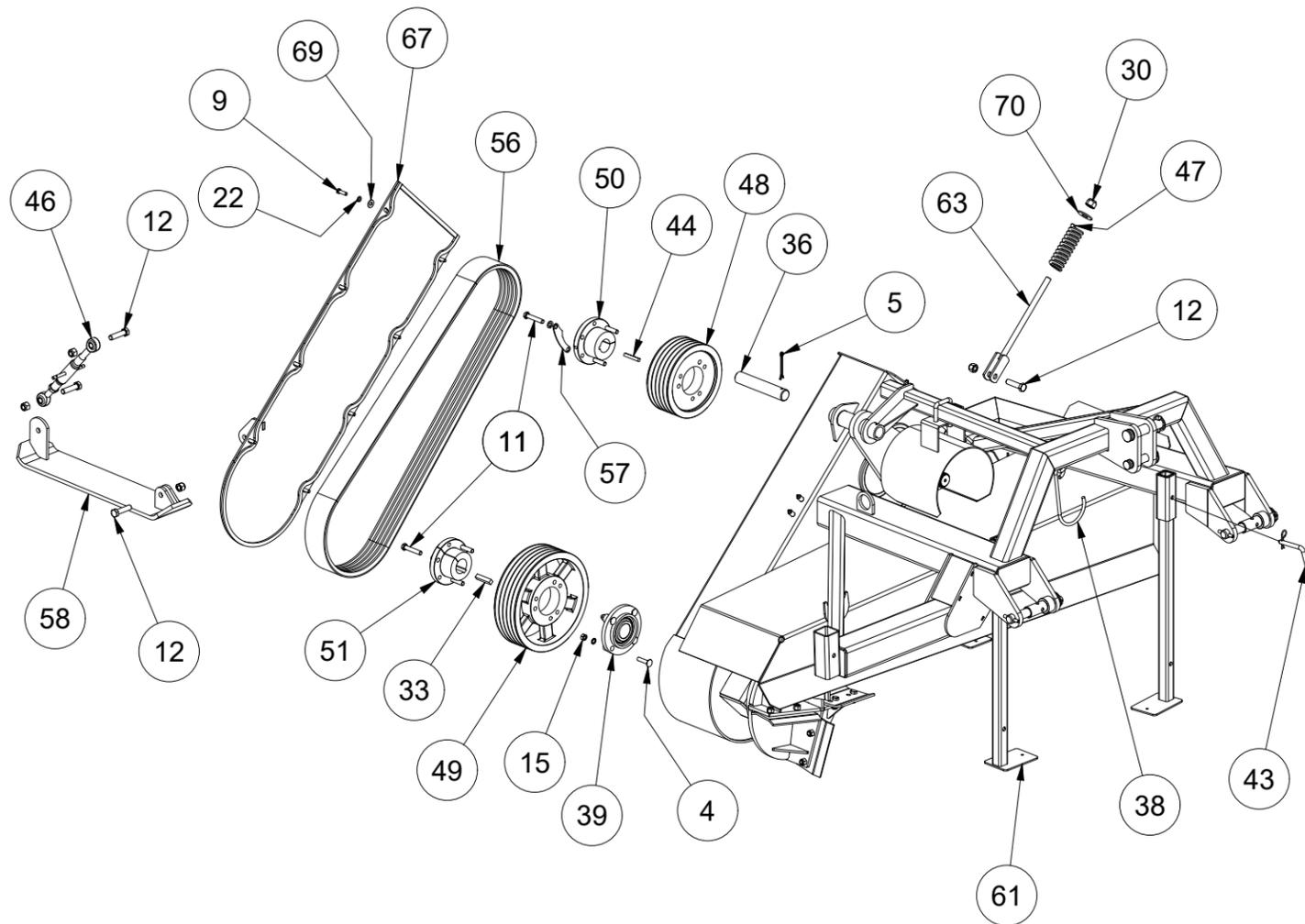
Parts Description

RH Offset Cut Ditcher

Item	Part Number	Description	Qty
2	ASME B18.21.1 - 7/16 . Carbon Steel, ETLWTA(1)	External Tooth Lock Washer	8
3	CBGR50.4375-14x1.5ZF	7/16-14 UNC x 1.5 Carriage Bolt	4
6	ERR1.75Shaftx0.068x1.65	External Retaining Ring 1 3/4 Shaft, 0.068 Groove Width, 1.65 Diameter	1
7	ERR1.9375Shaftx0.125x1.782	External Retaining Ring 1 15/16 Shaft x 0.125 x 1.782	1
10	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread	8
13	HCSGR50.75-10x2.5ZF	3/4-10 UNC x 2.5 Hex Cap Screw w/ Std. Thread	4
14	HN0.375-16ZF	3/8-16 UNC Hex Nut	1
16	HN0.5625-12ZF	9/16-12 UNC Hex Nut	2
17	HN0.75-10ZF	3/4-10 UNC Hex Nut	4
19	JN0.3125-18ZF	Jam Nut 5/16-18 UNC Zinc	1
21	Jamtek 1644	Zerk - 1/8 x 27 PTF Straight Std Length	2
23	LW0.5625ZF	9/16 Lock Washer	2
25	LW0.75ZF	3/4 Lock Washer	4
26	Lynch Pin	7/16 x 1 3/4 Lynch Pin	4
31	PD-0042	11600010 - Ditcher Blade	4
32	PD-0053	40000024 - Spline Shaft 1 3/4"-20	1
34	PD-0058	10900039 - Bushing MU 24TH20	2
35	PD-0059	10500013 - Bearing Insert 1 3/4 Standard B Seal	2
37	PD-0065	40000092 - Shield Trim Seal	1
40	PD-0072	10400033 - Lower 3pt Pin	2
41	PD-0073	10400034 - 1 1/4" Top Link Pin	1
42	PD-0074	10400035 - 1" Top Link Pin	1
45	PD-0078	10900026 - Quick Hitch Adapter Bushing	2
52	PD-0087	H0318 - 1/8" Female Pipe Coupling	2
53	PD-0088	10500050 - 1 15/16" Piloted Flange Bearing	1
54	PD-0107	40000130 - Offset Rotor Shield	1
55	PD-0109	11100062 - 22 1/2" Grease Tube Assembly	2
59	PD-1009	40000026 - 16" Rotor Knife Weldment	1
60	PD-1011	40000123 - Rotor Drive Shaft Weldment	1
62	PD-1016	40000099 - Slotted Hole Shield Weldment	1
64	PD-1026	40000131 - Offset PTO Shield Weldment	1
65	PD-1036	RH Offset Ditcher	1
66	PD-1038	Bearing Shaft Support Weldment - RH	1
68	RB-0025	1/2-13 UNC x 2 x 3.50 U-Bolt	1

Parts Diagram

RH Offset Cut Ditcher (Back)



Parts Description

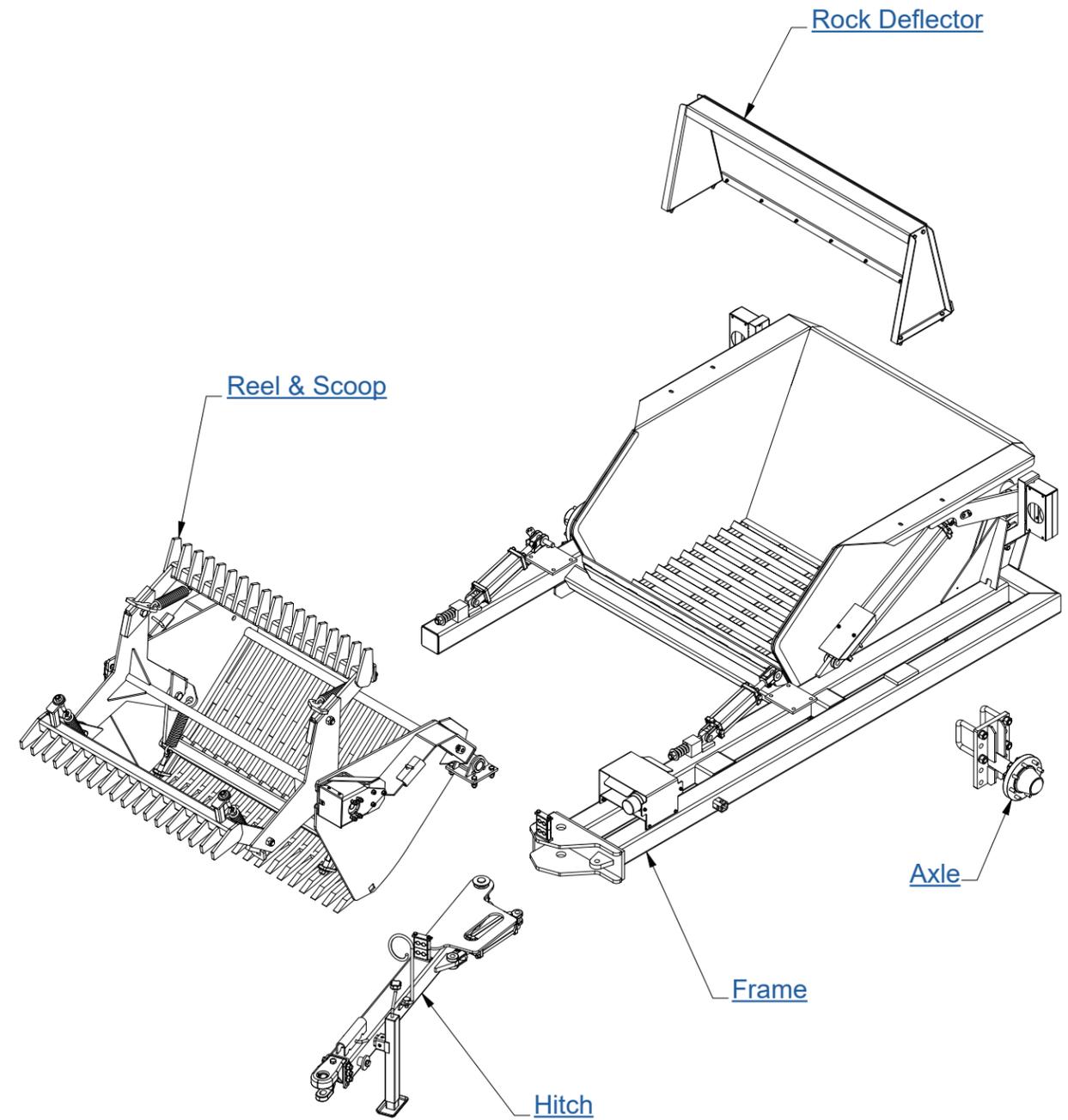
RH Offset Cut Ditcher (Back)

Item	Part Number	Description	Qty
4	CBGR50.4375-14x2ZF	7/16-14 UNC x 2 Carriage Bolt	4
5	CK0.25x3ZF	1/4 x 3 Cotter Key	1
9	HCSGR50.375-16x1.25ZF	3/8-16 UNC x 1.25 Hex Cap Screw w/ Std. Thread	8
11	HCSGR50.5-13x2.75ZF	1/2-13 UNC x 2.75 Hex Cap Screw w/ Std. Thread	6
12	HCSGR50.625-11x2.5ZF	5/8-11 UNC x 2.5 Hex Cap Screw w/ Std. Thread	4
15	HN0.4375-14ZF	7/16-14 UNC Hex Nut	8
22	LW0.375ZF	3/8 Lock Washer	9
30	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut	1
33	PD-0054	10400089 - 1/2 Sq x 2.50 Key for 1 15/16 Shaft	1
36	PD-0060	40000041 - Bearing Shaft Support Pin	1
38	PD-0066	40000083 - PTO Support Hook	1
39	PD-0069	10500044 - 4 Bolt Pilot Flange 1 15/16 Bearing	1
43	PD-0075	10400040 - Bent Hitch Pin	3
44	PD-0077	10400083 - 3/8 Sq x 2.50 Key	1
46	PD-0079	12200018 - Forged Top Link Assembly	1
47	PD-0080	10800011 - Tensioner Spring	1
48	PD-0083	10700016 - 9 3/4" Sheave	1
49	PD-0084	10700017 - 13 1/4" Sheave	1
50	PD-0085	10900010 - 1 3/4" Type E Bushing	1
51	PD-0086	10900034 - 1 15/16" Type E Bushing	1
56	PD-0112	11800022 - 5/5V1040 Banded Belt x 104" OD	1
58	PD-1008	40000121 - Skid Plate Weldment	1
61	PD-1014	40000023 - Tube Stand Weldment	3
63	PD-1019	40000124 - Tensioner Adjusting Bolt Weldment	1
67	PD-1041	RH - Offset Drive Cover and Seal Assembly	1
69	WU0.375ZF	3/8 USS Washer	9
70	WU0.75ZF	3/4 USS Washer	1
57	PD-0144	PD Key Stop	2

This page is intentionally left blank.

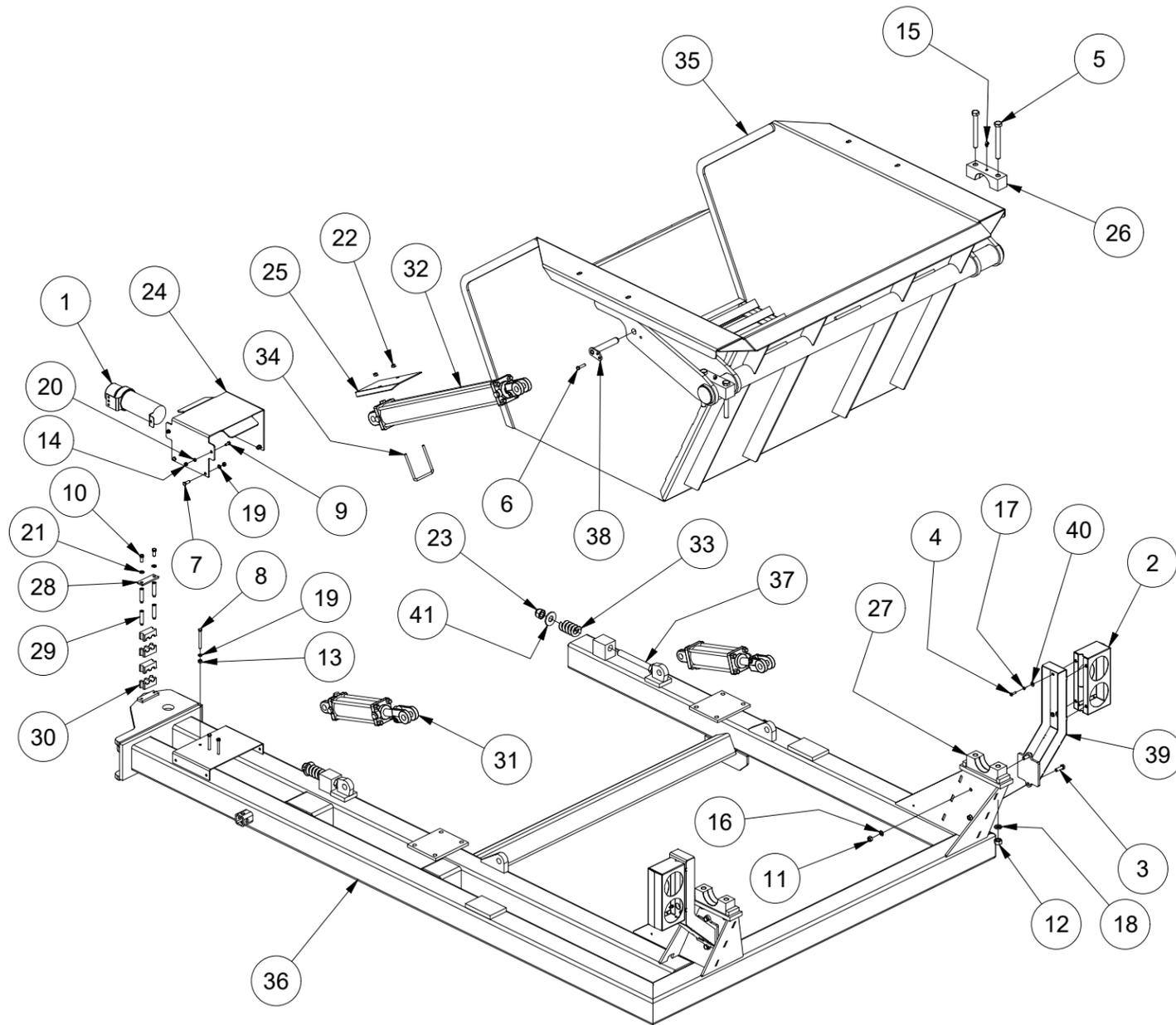
Parts Diagram

Rock Picker



Parts Diagram

Rock Picker Frame



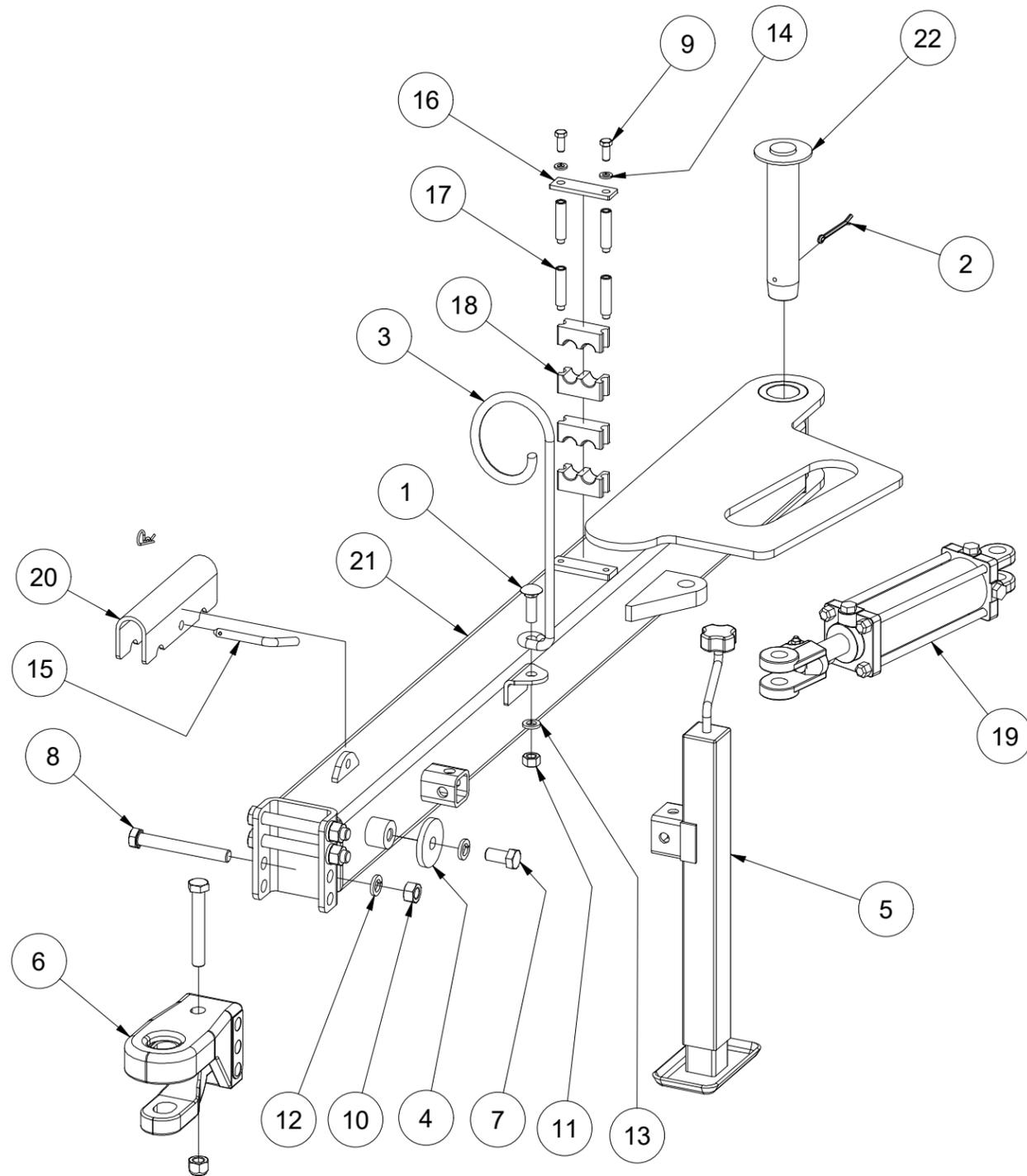
Parts Description

Rock Picker Frame

Item	Part Number	Description	Qty
1	DC-0142	Owner's Manual Canister	1
2	EL-0011	Light Box Weldment	2
3	HCSGR50.5-13x1.5ZF	Hex Cap Screw 1/2-13 UNC x 1.5 w/ Std. Thread Gr.5 Zinc	4
4	HCSGR50.25-20x1ZF	Hex Cap Screw 1/4-20 UNC x 1 w/ Std. Thread Gr.5 Zinc	8
5	HCSGR50.75-10x6.5ZF	3/4-10 UNC x 6.5 Hex Cap Screw w/ Std. Thread	4
6	HCSGR50.375-16x1.5ZF	Hex Cap Screw 3/8-16 UNC x 1.5 w/ Std. Thread Gr.5 Zinc	2
7	HCSGR50.375-16x1ZF	3/8-16 UNC x 1 Hex Cap Screw w/ Std. Thread	4
8	HCSGR50.375-16x3.5ZF	3/8-16 UNC x 3.5 Hex Cap Screw w/ Std. Thread	3
9	HCSGR50.3125-18x0.75ZF	5/16-18 UNC x 0.75 Hex Cap Screw w/ Std. Thread	2
10	HCSGR50.4375-14x1ZF	7/16-14 UNC x 1 Hex Cap Screw w/ Std. Thread	2
11	HN0.5-13ZF	1/2-13 UNC Hex Nut	4
12	HN0.75-10ZF	3/4-10 UNC Hex Nut	4
13	HN0.375-16ZF	3/8-16 UNC Hex Nut	9
14	HN0.3125-18ZF	5/16-18 UNC Hex Nut	2
15	Jamtek 1613	Zerk - 1/8 x 27 PTF 90° Std Length	2
16	LW0.5ZF	1/2 Lock Washer	4
17	LW0.25ZF	1/4 Lock Washer	8
18	LW0.75ZF	3/4 Lock Washer	4
19	LW0.375ZF	3/8 Lock Washer	9
20	LW0.3125ZF	5/16 Lock Washer	2
21	LW0.4375ZF	7/16 Lock Washer	2
22	OLNGRC0.375-16ZF	3/8-16 UNC Hex Lock Nut	4
23	OLNGRC1-8ZF	1-8 UNC Hex Lock Nut	2
24	RP-0064	50100118 - Guard Manifold	1
25	RP-0066	50000131 - Cylinder Guard	2
26	RP-0069	10500017 - Bearing Split Top Half	2
27	RP-0070	10500017 - Bearing Split Bottom Half	2
28	RP-0100	11000017A - Hose Bracket Top Plate	1
29	RP-0102	11000060 - Hose Bracket Post	4
30	RP-0103	11000020A - Hose Clamp Cushion (Twin Style)	4
31	RP-0113	3 x 8 Hydraulic Cylinder w/ Pins & Clips	2
32	RP-0114	3 1/2 x 30 Hydraulic Cylinder w/ Pins & Clips	2
33	RP-0116	10800014 - 2 x 3 Compression spring	2
34	RP-0118	10000205 - 3/8-16 x 4 x 4 3/4 U-bolt	2
35	RP-1005	50000109 - Rock Hopper Weldment	1
36	RP-1008	50000142 - Frame Weldment	1
37	RP-1012	50000196 - Scoop Cylinder Attachment	2
38	RP-1013	50000110 - Hopper Cylinder Pin Weldment	2
39	RP-1031	Light Bracket	2
40	WU0.25ZF	1/4 USS Washer	8
41	WU1ZF	1 USS Washer	2

Parts Diagram

Rock Picker Hitch



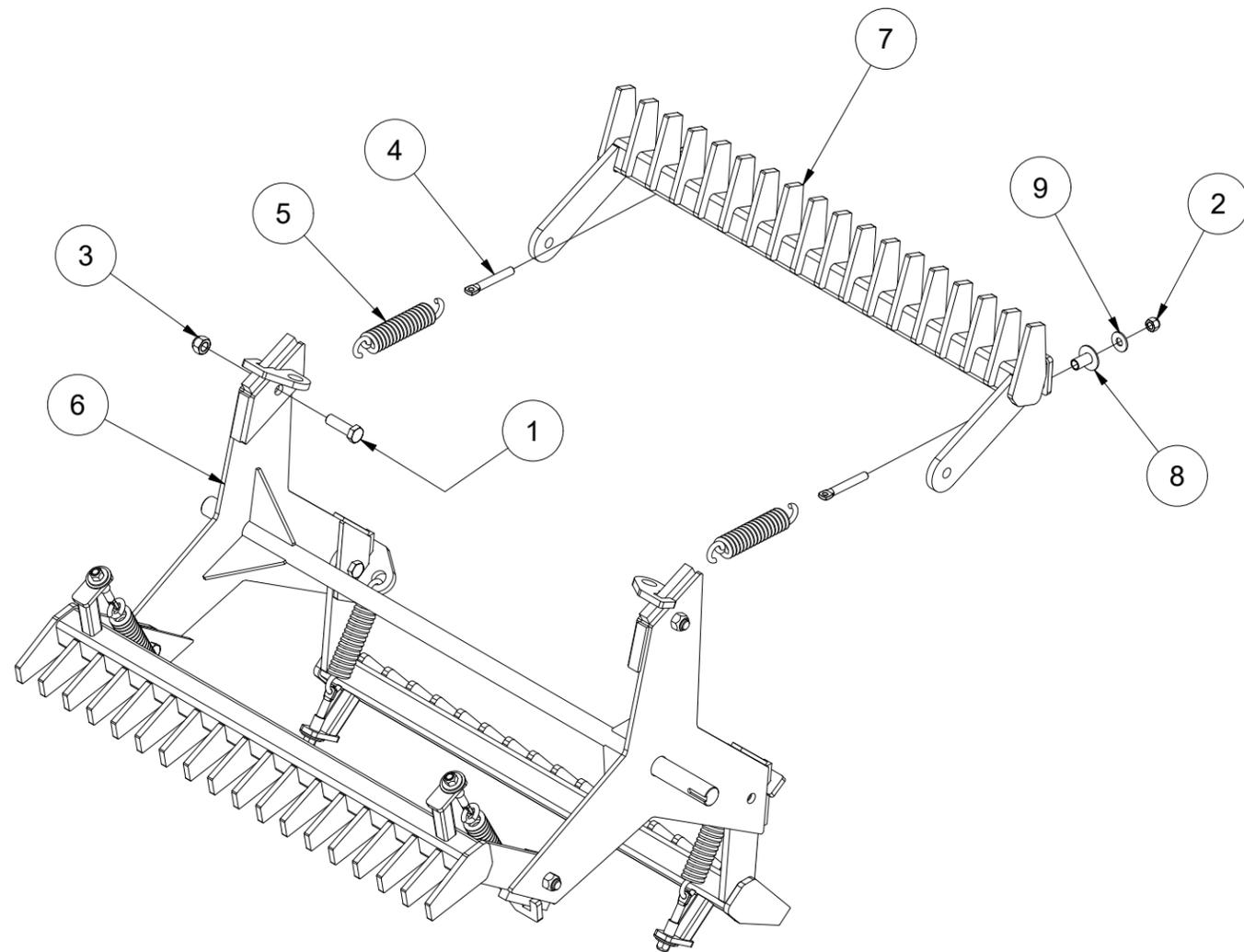
Parts Description

Rock Picker Hitch

Item	Part Number	Description
1	CBGR50.625-11x2ZF	5/8-11 UNC x 2 Carriage Bolt
2	CK0.25x3ZF	1/4 x 3 Cotter Key
3	DC-0036	Large Hose Holder
4	DC-0064	Safety Chain Cap
5	DC-0109	5000# Top Crank Jack Stand - Square Mnt
6	DC-1007	CAT III Cast Hitch Assy
7	HCSGR50.75-10x1.5ZF	3/4-10 UNC x 1.5 Hex Cap Screw w/ Std. Thread
8	HCSGR50.75-10x6ZF	3/4-10 UNC x 6 Hex Cap Screw w/ Std. Thread
9	HCSGR50.4375-14x1ZF	7/16-14 UNC x 1 Hex Cap Screw w/ Std. Thread
10	HN0.75-10ZF	3/4-10 UNC Hex Nut
11	HN0.625-11ZF	5/8-11 UNC Hex Nut
12	LW0.75ZF	3/4 Lock Washer
13	LW0.625ZF	5/8 Lock Washer
14	LW0.4375ZF	7/16 Lock Washer
15	PD-0075	10400040 - Bent Hitch Pin
16	RP-0100	11000017A - Hose Bracket Top Plate
17	RP-0102	11000060 - Hose Bracket Post
18	RP-0103	11000020A - Hose Clamp Cushion (Twin Style)
19	RP-0113	3 x 8 Hydraulic Cylinder w/ Pins & Clips
20	RP-0135	Cylinder Transport Lock
21	RP-1002	50000102 - Tow Hitch Weldment
22	RP-1003	50000106 - Hitch Pin Weldment

Parts Diagram

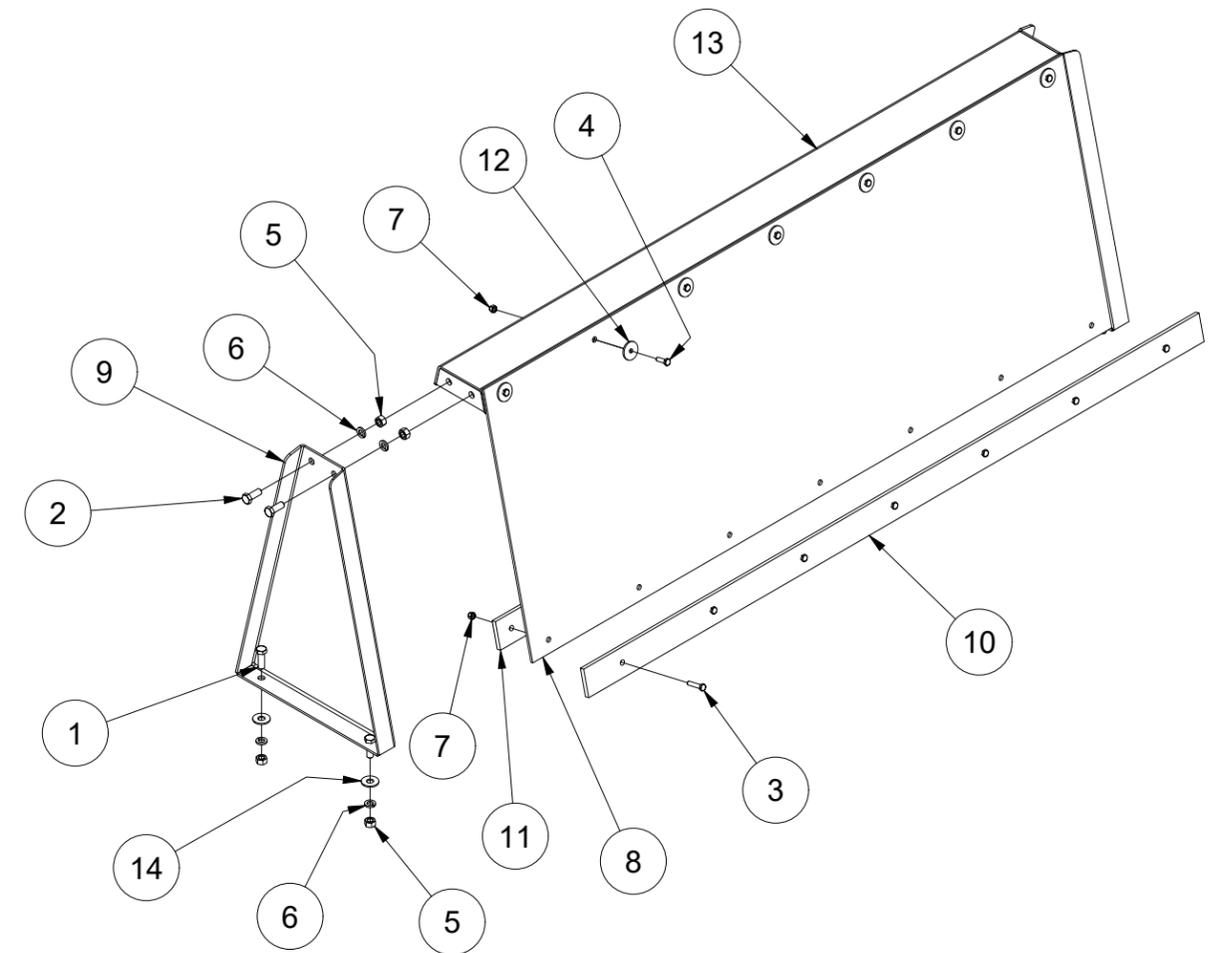
Rock Picker Reel



Item	Part Number	Description
1	HCSGR51-8x3.25ZF	1-8 UNC x 3.25 Hex Cap Screw w/ Std. Thread
2	OLNGRC0.75-10ZF	3/4-10 UNC Hex Lock Nut
3	OLNGRC1-8ZF	1-8 UNC Hex Lock Nut
4	RP-0127	10000186 - Spade Bolt w/ 1/2" Hole
5	RP-0137	10800015 - Wire Extension spring
6	RP-1019	50000210 - Direct Drive Reel Shaft Weldment
7	RP-1022	50000113 - Rake Bar Weldment
8	RP-1025	50000204 - Spring Arm bushing Weldment
9	WU0.75ZF	3/4 USS Washer

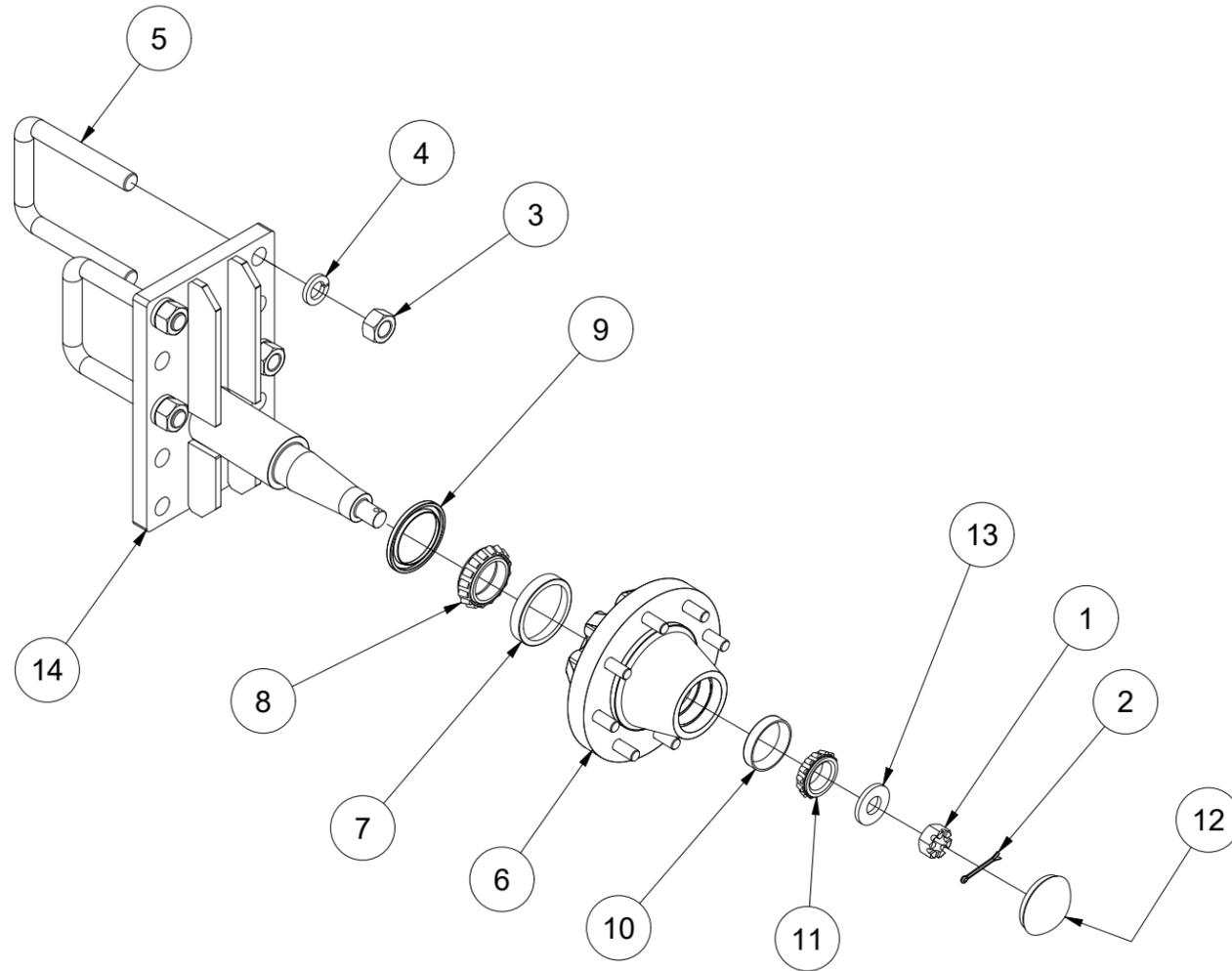
Parts Diagram

Rock Picker Rock Deflector



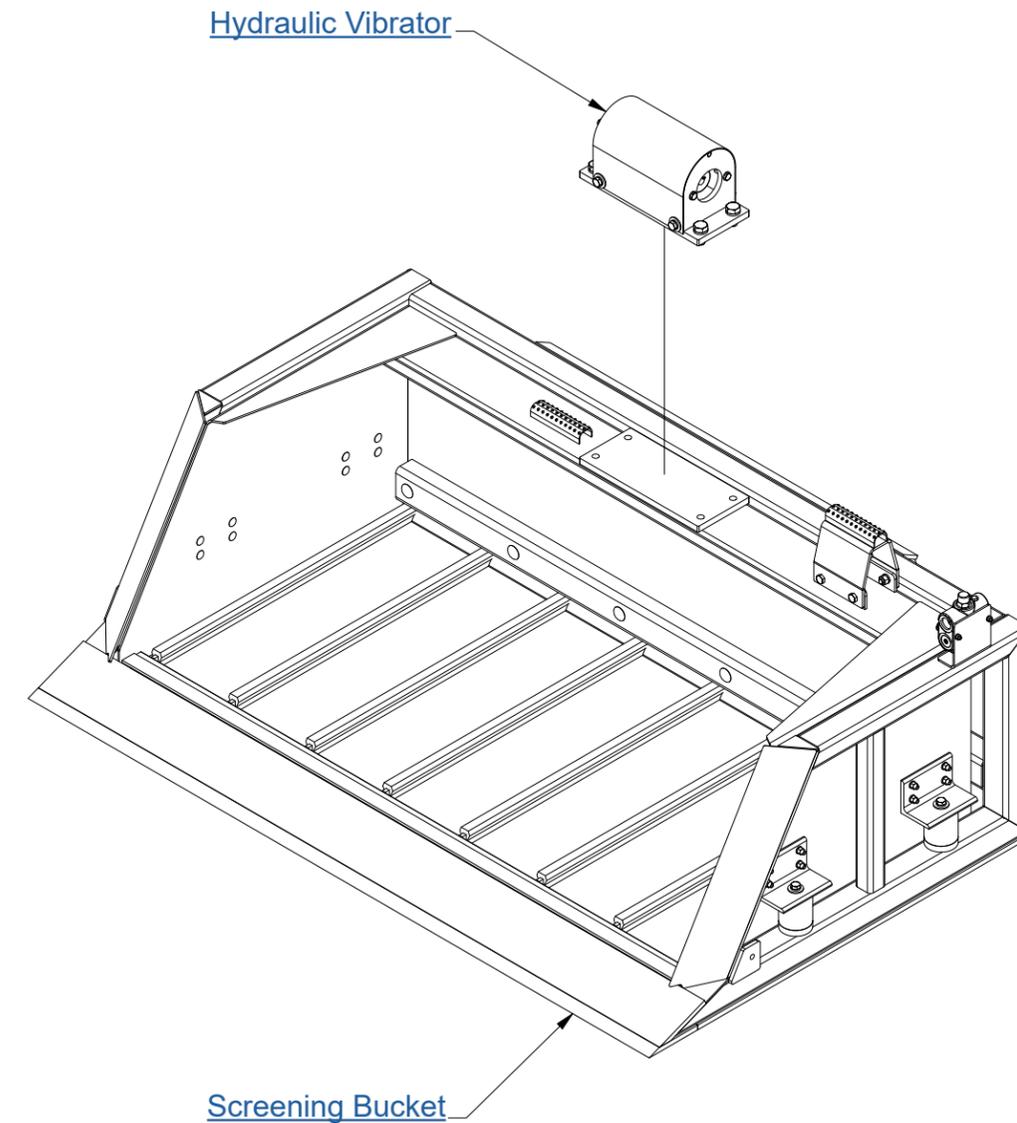
Item	Part Number	Description
1	HCSGR50.5-13x1.5ZF	1/2-13 UNC x 1.5 Hex Cap Screw w/ Std. Thread
2	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
3	HCSGR50.3125-18x1.5ZF	5/16-18 UNC x 1.5 Hex Cap Screw w/ Std. Thread
4	HCSGR50.3125-18x1ZF	5/16-18 UNC x 1 Hex Cap Screw w/ Std. Thread
5	HN0.5-13ZF	1/2-13 UNC Hex Nut
6	LW0.5ZF	1/2 Lock Washer
7	OLNGRC0.3125-18ZF	5/16-18 UNC Hex Lock Nut
8	RP-0001	50000116 - Deflector Belt
9	RP-0060	50000184 - End Bracket
10	RP-0062	50000117 - Deflector Stiffener
11	RP-0063	50000218 - Inner Deflector Stiffener
12	RP-0115	Washer - Rock Deflector Belt
13	RP-1001	50000186 - Cross Brace Weldment
14	WU0.5ZF	1/2 USS Washer

Parts Diagram Rock Picker Axle



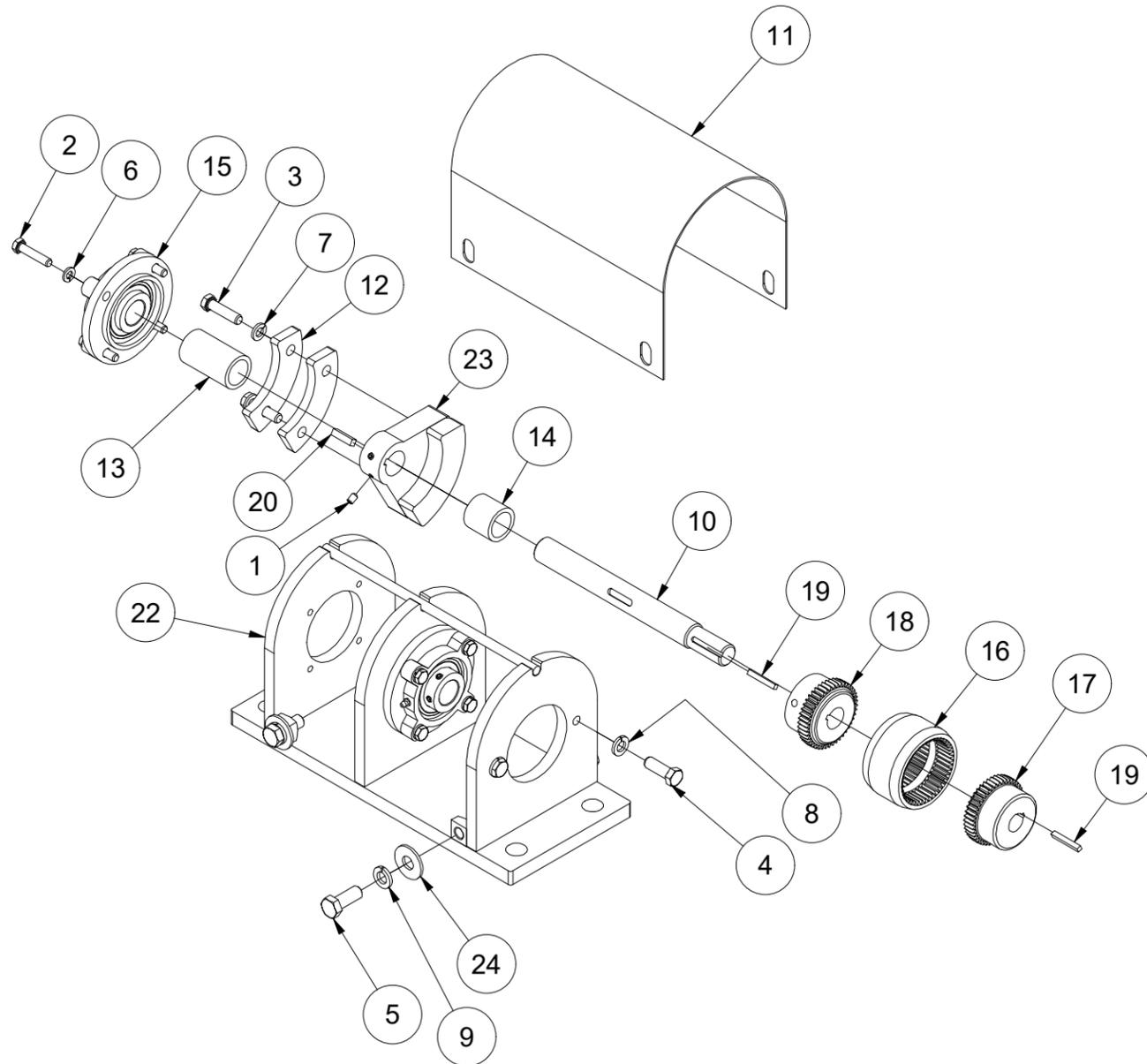
Item	Part Number	Description
1	ANSI B18.2.2 - UNF 1 - 12, SHNI	Hex Nuts (Inch Series) Slotted Hex Nut
2	CK0.1875x2.25ZF	3/16 x 2.25 Cotter Key
3	HN1-8ZF	1-8 UNC Hex Nut
4	LW1ZF	1 Lock Washer
5	RP-0117	10000206 - 1 x 5 1/16 x 7 1/4 U-Bolt
6	RP-0119	11400027 - 758 Hub 8 on 8" B.C. 6" Pilot
7	RP-0120	10500019 - Inner Race Cup
8	RP-0121	10500018 - Inner Bearing Cone
9	RP-0122	10500022- 758 Hub Seal
10	RP-0123	10500021 - Outer Race Cup
11	RP-0124	10500020 - Outer Bearing Cone
12	RP-0125	11400019 - 758 Hub Cap
13	RP-0138	
14	RP-1014	50000125 - Spindle Weldment

Parts Diagram Screening Bucket



Parts Diagram

VSB Hydraulic Vibrator (700-20 & 30)



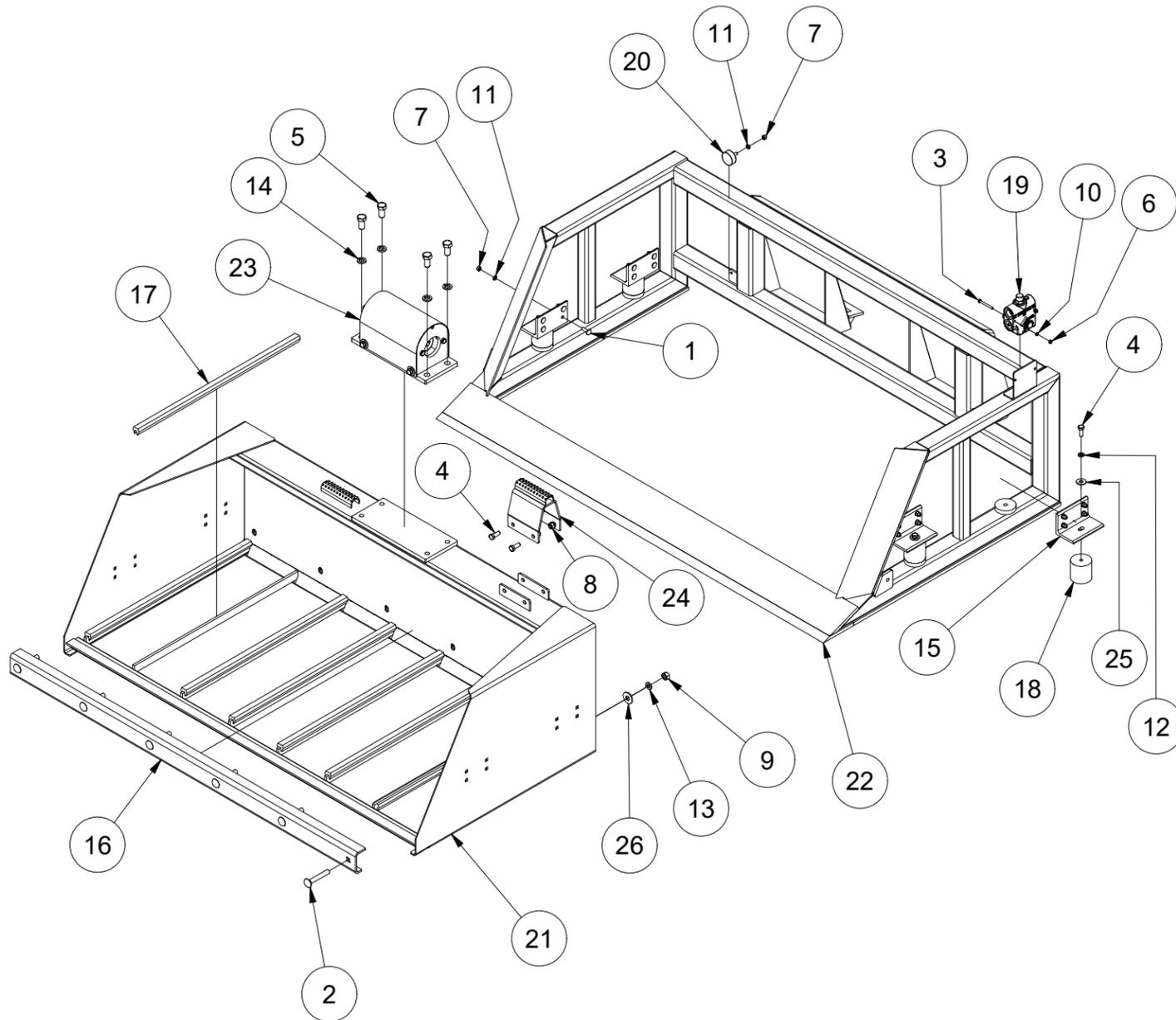
Parts Description

VSB Hydraulic Vibrator (700-20 & 30)

Item	Part Number	Description	Qty
1	ANSI B18.3 - 1/4-20 UNC x 0.38, TAHSSCPI	Hexagon Socket Set Screw - Cup Point	2
5	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread	4
3	HCSGR50.375-16x1.5ZF	3/8-16 UNC x 1.5 Hex Cap Screw w/ Std. Thread	2
2	HCSGR50.3125-18x1.5ZF	5/16-18 UNC x 1.5 Hex Cap Screw w/ Std. Thread	8
4	HCSGR50.4375-14x1.25ZF	7/16-14 UNC x 1.25 Hex Cap Screw w/ Std. Thread	2
9	LW0.5ZF	1/2 Lock Washer	4
7	LW0.375ZF	3/8 Lock Washer	2
6	LW0.3125ZF	5/16 Lock Washer	8
8	LW0.4375ZF	7/16 Lock Washer	2
10	VSB-0041	70000024 - 9 3/4" Vibrator Shaft	1
11	VSB-0042	70000025 - Bolt-on Vibrator Cover	1
12	VSB-0045	70100008 - Flywheel Weight	2
13	VSB-0046	70000010 - 2 7/16 Flywheel Retainer	1
14	VSB-0047	70000022 - 1 5/16 Flywheel Retainer	1
15	VSB-0052	10500041 - 4 Bolt 1" Flange Bearing	2
16	VSB-0053	10900043 - Coupling Sleeve (M38)	1
17	VSB-0054	10900041 - Hub 3/4 Bore w/ Keyway & Set Scrw	1
18	VSB-0055	10900042 - Hub 7/8 Bore w/ Keyway & Set Scrw	1
19	VSB-0056	10400060 - 3/16" Square Key x 1 3/8" Long	2
20	VSB-0057	10400064 - 1/4" Square Key x 1" Long	1
21	VSB-0070	11200051 - Hydraulic Motor 3/4" Shaft (Not Shown)	1
22	VSB-1009	70000023 - Vibrator Housing Weldment	1
23	VSB-1010	70000026 - Flywheel Weldment Weight 54 oz	1
24	WU0.5ZF	1/2 USS Washer	4

Parts Diagram

Screening Bucket



Parts Description

Screening Bucket

Item	Part Number	Description
1	CBGR50.375-16x1.25ZF	3/8-16 UNC x 1.25 Gr 5 Carriage Bolt
2	CBGR50.625-11x4ZF	5/8-11 UNC x 4 Gr 5 Carriage Bolt
3	HCSGR50.25-20x2.5ZF	1/4-20 UNC x 2.5 Hex Cap Screw w/ Std. Thread
4	HCSGR50.5-13x1.25ZF	1/2-13 UNC x 1.25 Hex Cap Screw w/ Std. Thread
5	HCSGR50.75-10x1.5ZF	3/4-10 UNC x 1.5 Hex Cap Screw w/ Std. Thread
6	HN0.25-20ZF	1/4-20 UNC Hex Nut
7	HN0.375-16ZF	3/8-16 UNC Hex Nut
8	HN0.5-13ZF	1/2-13 UNC Hex Nut
9	HN0.625-11ZF	5/8-11 UNC Hex Nut
10	LW0.25ZF	1/4 Lock Washer
11	LW0.375ZF	3/8 Lock Washer
12	LW0.5ZF	1/2 Lock Washer
13	LW0.625ZF	5/8 Lock Washer
14	LW0.75ZF	3/4 Lock Washer
15	VS0.048	70100006 - Spring Mount
16	VS0.049	70100067 - Drawbar 70" Bucket
17	VS0.050	70000028 - 3/8 Screen Bar Rubber (B0015.5)
18	VS0.051	10800020 - 3 x 3 Sandwich Mnt 1/2 UNC Inserts
19	VS0.058	11200072 - Flow Control w/ Relief & AC Check
20	VS0.059	10800017 - 2" OD Rubber Vibration Isolator
21	VS0.1001	70000017 - 70" Screen Bucket Wldmt (700-30)
22	VS0.1002	70000018 - 70" Bucket Frame Weldment
23	VS0.1011	Hydraulic Vibrator (700-20 & 30)
24	VS0.1015	Bolt-on Step Weldment
25	WU0.5ZF	1/2 USS Washer
26	WU0.625ZF	5/8 USS Washer



ISO9001:2015 certified

Remlinger Manufacturing

16394 US 224
PO Box 299
Kalida, OH 45853

Toll Free 1-800-537-7370
Phone (419) 532-3647
Fax (419) 532-2244

technicalsupport@remlingermfg.com
www.remlingermfg.com



Email Technical Support