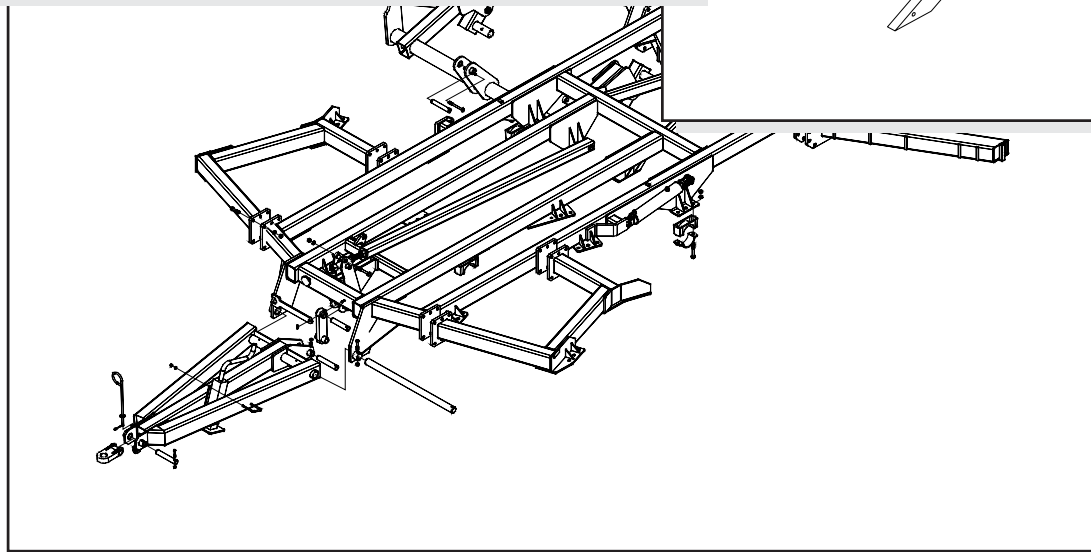
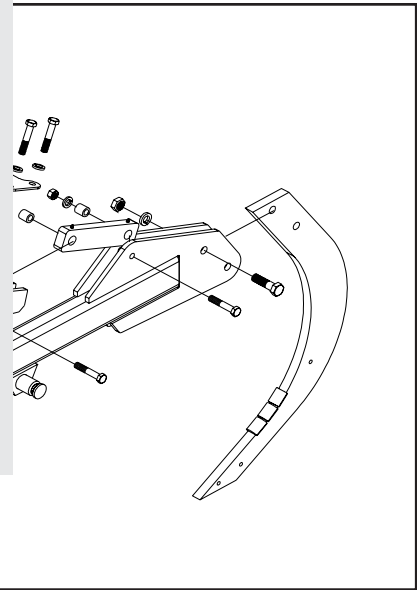
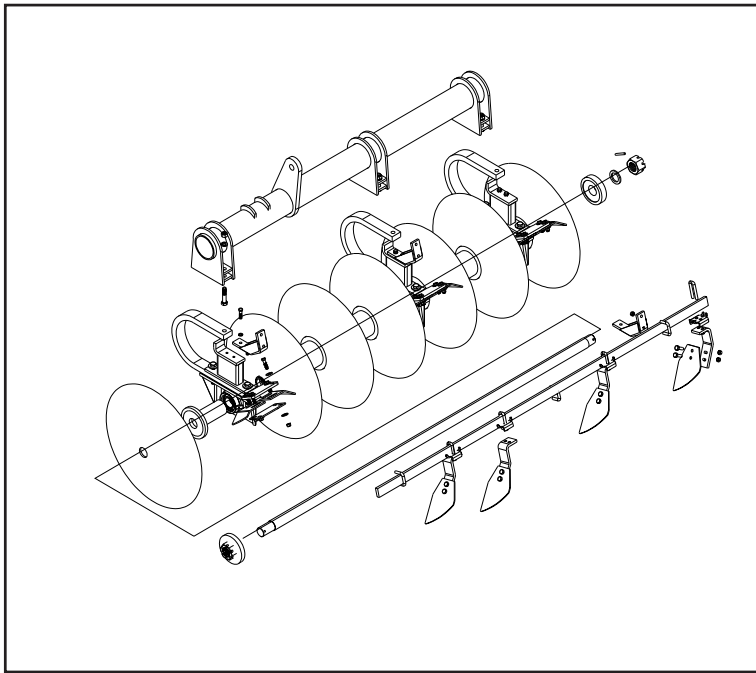




WIL-RICH

957 DISC RIPPER PARTS



ALL SERIAL NUMBERS

PRINTED IN USA (74228) WR-100 2/08



P.O. Box 1030 Wahpeton, ND 58074

PH.(701)642-2621

Parts Fax (701)642-3819

<http://www.wil-rich.com>

WARRANTY

The only warranty Wil-Rich gives and the only warranty the dealer is authorized to give is as follows:

We warrant products sold by us to be in accordance with our published specifications or those specifications agreed to by us in writing at time of sale. Our obligation and liability under this warranty is expressly limited to repairing, or replacing, at our option, within 12 months after date of retail delivery, any product not meeting the specifications. ***We make no other warranty, express or implied and make no warranty of merchantability or of fitness for any particular purpose.*** Our obligation under the warranty shall not include any transportation charges or costs or installation or any liability for direct, indirect or consequential damage or delay. If requested by us, products or parts for which a warranty claim is made are to be returned transportation prepaid to our factory. Any improper use, operation beyond rated capacity, substitution of parts not approved by us, or any alteration or repair by others in such manner as in our judgment affects the product materially and adversely shall void this warranty. ***No employee or representative is authorized to change this warranty in any way or grant any other warranty.***

Wil-Rich reserves the right to make improvement changes on any of our products without notice.

When warranty limited or not applicable: Warranty on hoses, cylinders, hubs, spindles, engines, valves, pumps or other trade accessories are limited to the warranties made by the respective manufacturers of these components. Rubber tires and tubes are warranted directly by the respective tire manufacturer only, and not by Wil-Rich.

Warranty does not apply to any machine or part which has been repaired or altered in any way so as in our judgment to affect its reliability, or which has been subject to misuse, negligence or accident.

A Warranty Validation and Delivery Report Form must be filled out and received by Wil-Rich to initiate the warranty coverage.

WARRANTY CLAIMS PROCEDURE

1. The warranty form must be returned to Wil-Rich within fifteen (15) working days from the repair date.
2. Parts returned to Wil-Rich without authorization will be refused. The parts must be retained at the dealership for ninety (90) days after the claim has been filed. If the Service Department would like to inspect the parts, a packing slip will be mailed to the dealer. The packing slip must be returned with the parts. The parts must be returned prepaid within thirty (30) days of receiving authorization. After the parts are inspected and warranty is verified, credit for the return freight will be issued to the dealer.
3. Parts that will be scrapped at the dealership will be inspected by Wil-Rich Sales Representatives, District Sales Managers or Service Representatives within the ninety (90) day retaining period.

ORIENTATION

Any reference to left (L) or right (R) sides or components is to be understood as being viewed from behind the implement and looking forward.

SERIAL NUMBER BREAK

Every implement has a serial number located on the frame. These serial numbers are consecutively assigned to the implements as they are manufactured. To aid in part ordering, we reference the serial number at the point the change occurred to provide an accurate means of determining the proper parts.

MODIFICATIONS

It is the policy of Wil-Rich Operations to improve its products whenever possible and practical to do so. We reserve the right to make changes, improvements, and modifications at any time without incurring the obligation to make such changes, improvements and modifications on any equipment sold previously.

ABBREVIATIONS

ASSY	Assembly
BLD	Blade
BRKT	Bracket
CTR	Center
GR	Grade of Bolt
HD	Heavy Duty
HDWE	Hardware
MF	Main frame
MTG	Mounting
NC ..	National Coarse Thread
NF	National Fine Thread
RR	Right Rear
LR	Left Rear
LF	Left Front
RF	Right Front
RH	Right Hand
LH	Left Hand

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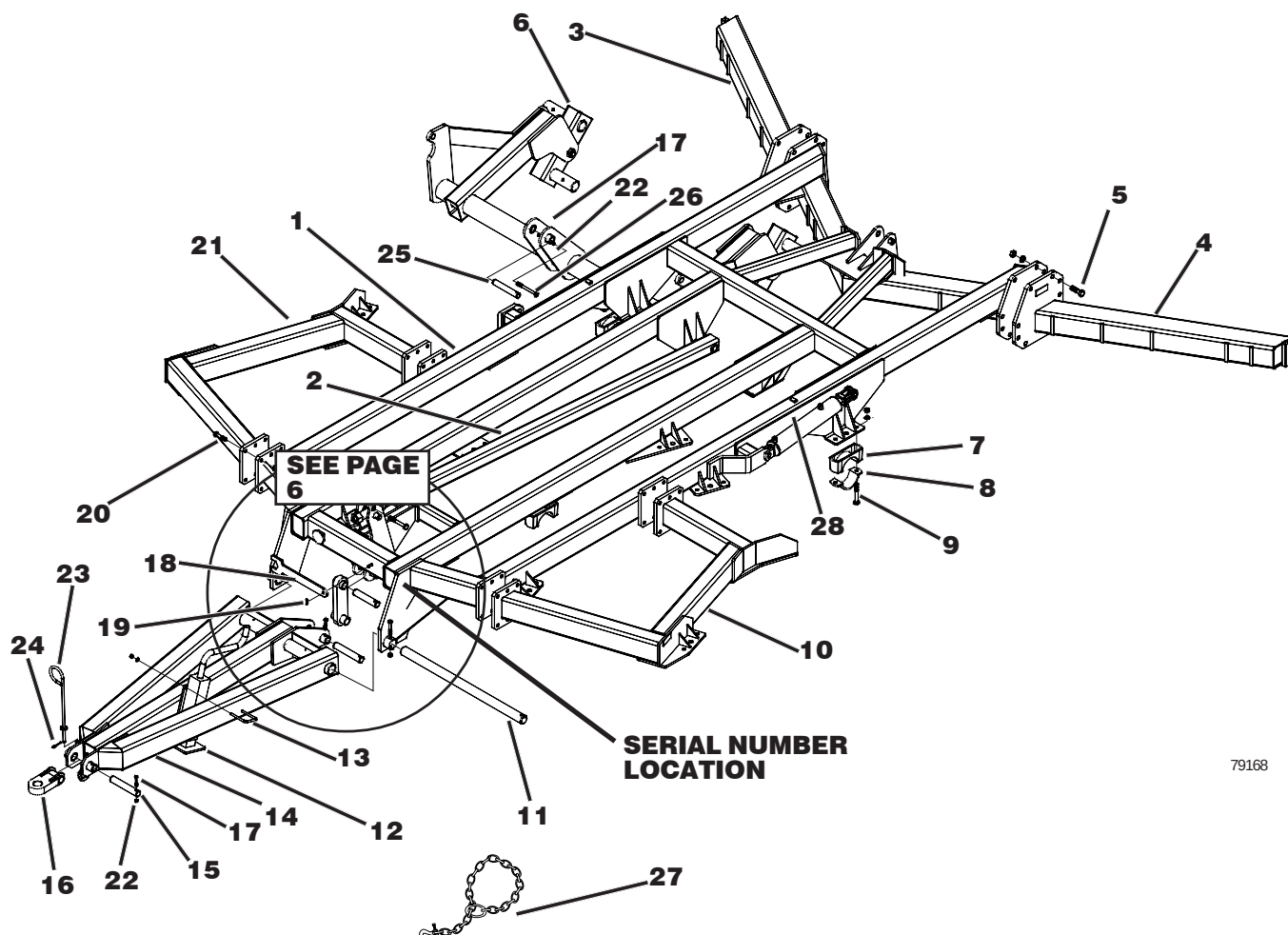
NOTE: Standard nuts and lock washers are not called out. Anything other than standard will be called out.

STANDARD NUTS AND LOCK WASHERS

88172 1/4NC Nut	88262 1/4 Lock Washer
88103 3/8NC Nut	88362 3/8 Lock Washer
88104 1/2NC Nut	88303 1/2 Lock Washer
88126 5/8NC Nut	88129 5/8 Lock Washer
88110 3/4NC Nut	88130 3/4 Lock Washer
88371 7/8NC Nut	88341 7/8 Lock Washer

MAIN FRAME

SERIAL #'S 453553-454976



79168

ITEM PART NO DESCRIPTION

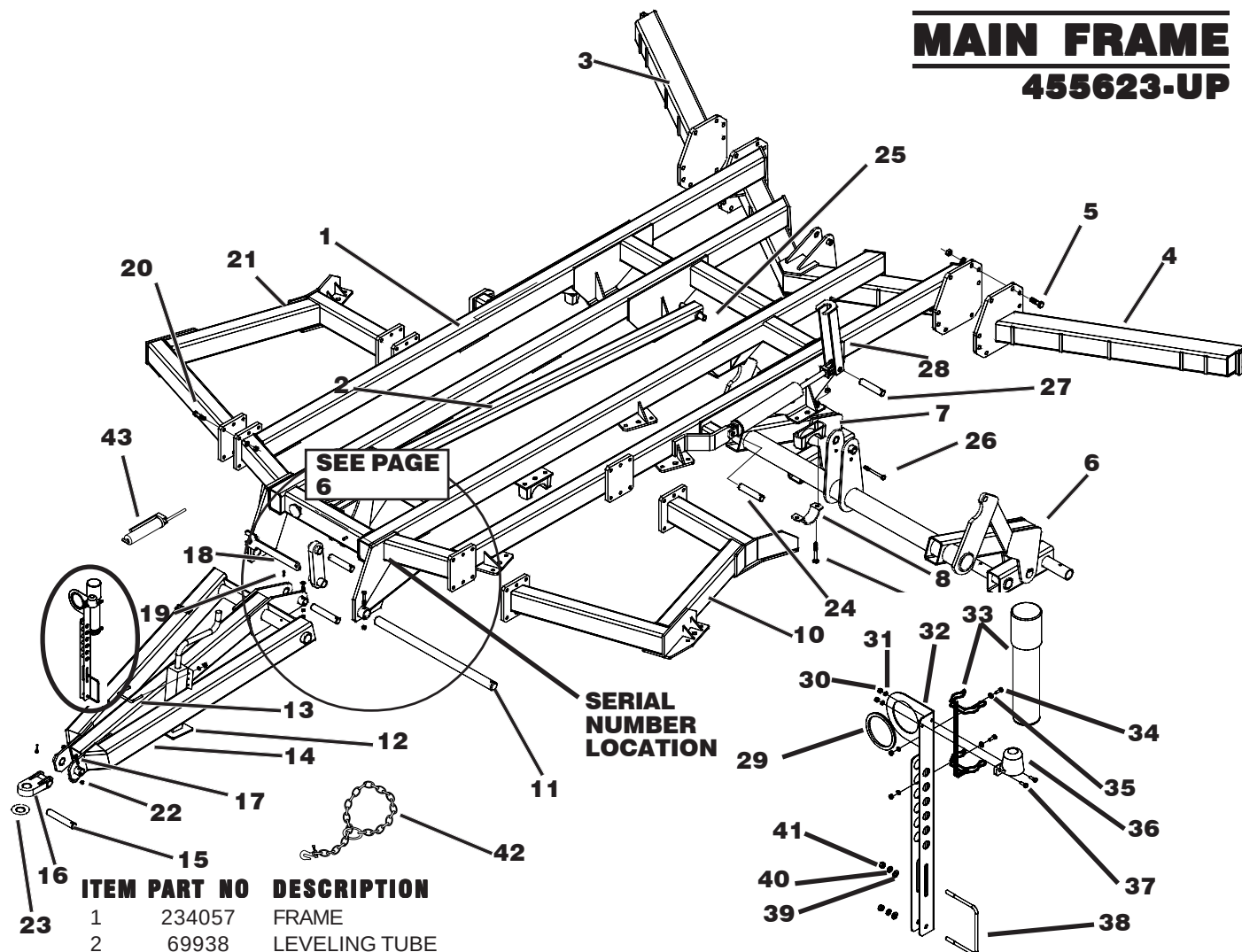
1	222317	FRAME
2	69938	LEVELING TUBE
3	69829	7/9 SHANK EXT RH (SHOWN)(66")
	69831	5 SHANK EXT RH (25")
	221824	7-24 SHANK EXT RH (39")
4	69832	7/9 SHANK EXT LH (SHOWN)(66")
	69834	5 SHANK EXT LH (25")
	221825	7-24 SHANK EXT LH (39")
5	88447	1NCx3-1/2 GR5 BOLT
6	221978	FRAME AXLE
7	221098	AXLE CLAMP BASE
	88263	GREASE ZERK LONG
8	221097	AXLE CLAMP CAP
	88528	GREASE ZERK SHORT
9	88293	3/4NCx6 GR5 BOLT
	88403	3/4NCx8 GR5 BOLT
		(USED WITH ITEM 27)
10	69841	RH DISC EXTENSION (7/9 BLADE)
	69895	RH DISC EXTENSION (5 BLADE)
11	69950	HITCH PIN (2-1/2x46)
12	49388	4x4 POLE JACK

ITEM PART NO DESCRIPTION

13	88145	5/8NCx4 x5-1/4 U-BOLT
14	69910	HITCH WELDMENT
15	69948	PIN (1-3/4x10)
16	69917	TONGUE WELD
17	88531	3/8NCx3 GR5 BOLT
18	69943	WRENCH
19	88645	HAIRPIN CLIP 3/16DIAx1-1/4
20	88111	3/4NCx3-1/2 GR5 BOLT
21	69840	LH DISC EXTENSION (7/9 BLADE)
	69896	LH DISC EXTENSION (5 BLADE)
22	88162	3/8NC LOCK NUT
23	21527	HOSE BRACKET
24	23039	HAIRPIN COTTER 2.69
25	69921	PIN (1-1/2x8-7/32)
26	88383	5/8NCx7 GR5 BOLT
27	24459	20K SAFETY CHAIN
28	222260	TRANSPORT LOCK

MAIN FRAME

455623-UP



ITEM PART NO DESCRIPTION

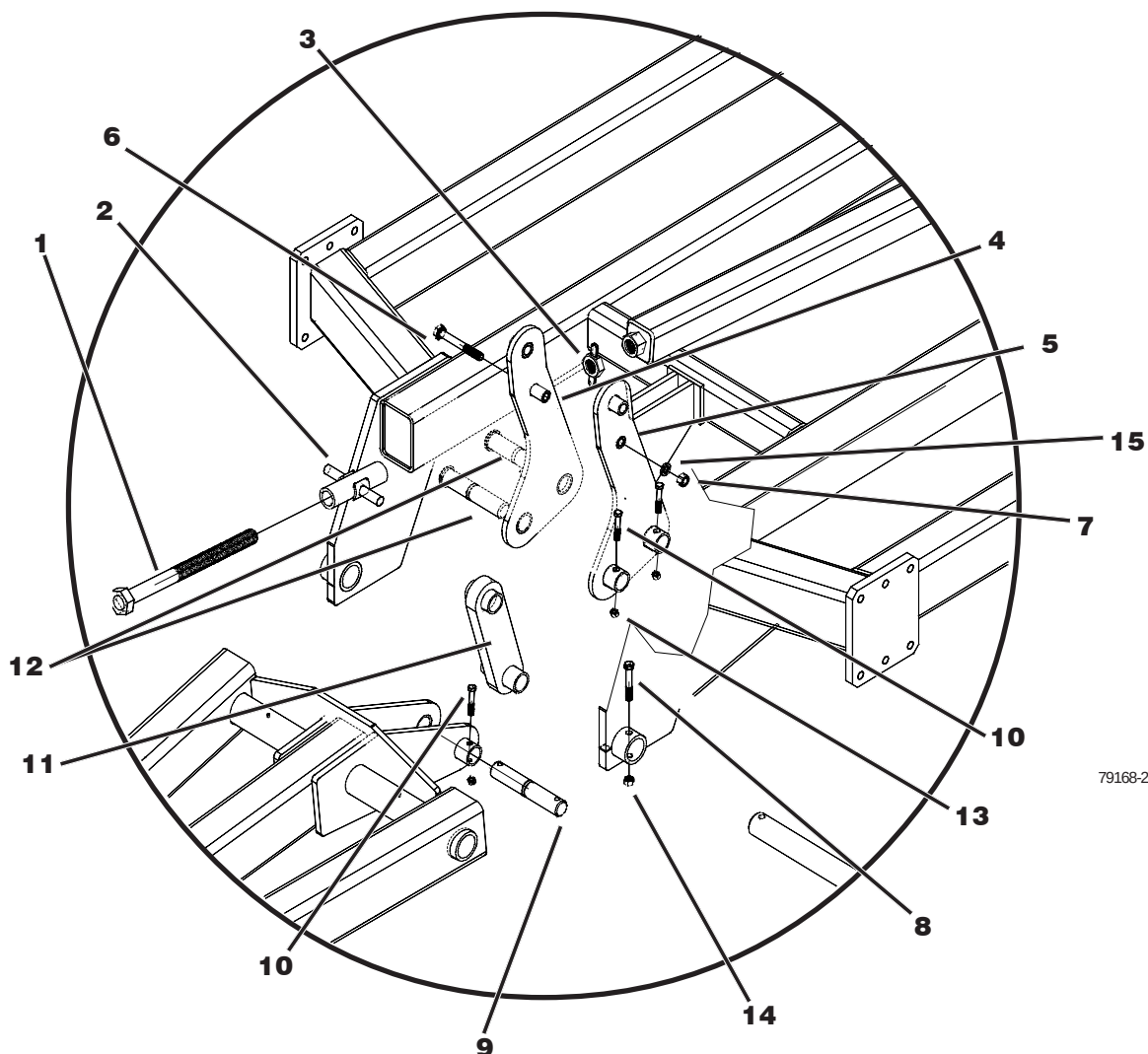
1	234057	FRAME
2	69938	LEVELING TUBE
3	234071	7/9 SHANK EXT RH (SHOWN)(66")
	69831	5 SHANK EXT RH (25")
	221824	7-24 SHANK EXT RH (39")
4	234070	7/9 SHANK EXT LH (SHOWN)(66")
	69834	5 SHANK EXT LH (25")
	221825	7-24 SHANK EXT LH (39")
5	88447	1NCx3-1/2 GR5 BOLT
6	221978	FRAME AXLE WITH WALKER (PG20)
7	221098	AXLE CLAMP BASE
	88263	FTG GRS 1/8NPT 1610-BL(11/16")
8	221097	AXLE CLAMP CAP
	88528	FTG GRS 1/8NPT 1607-B
9	88293	3/4NCx6 GR5 BOLT
10	69841	RH DISC EXTENSION (7/9 BLADE)
	69895	RH DISC EXTENSION (5 BLADE)
11	69950	HITCH PIN (2-1/2x46)
12	222324	4x4 POLE JACK
13	88145	5/8NCx4 x5-1/4 U-BOLT
14	233576	LONG HITCH WELDMENT
15	69948	PIN (1-3/4x10)
16	69917	TONGUE WELD
17	88940	1/2NCx3 GR8 BOLT
18	69943	WRENCH
19	23039	HAIRPIN COTTER 2.69
20	88111	3/4NCx3-1/2 GR5 BOLT
21	69840	LH DISC EXTENSION (7/9 BLADE)
	69896	LH DISC EXTENSION (5 BLADE)

ITEM PART NO DESCRIPTION

22	88363	1/2NC LOCK NUT
23	236172	DONUT SPACER-DRAWBAR
24	22022	HEADLESS PIN 1-1/4X2-7/16
25	69921	PIN (1-1/2x8-7/32)
26	88383	5/8NCx7 GR5 BOLT
27	222247	HEADLESS PIN 1-1/4X4-5/8
28	234834	TRANSPORT LOCK
29	236092	RUBBER EDGING
30	88172	1/4NC NUT
31	88262	1/4 LOCK WASHER
32	236142	HYDBRACKET
33	234313	MANUAL TUBE W/HOLDER
34	88993	1/4NCx3/4 BOLT
35	88261	1/4 FLAT WASHER
36	223329	LIGHT PLUG HOLDER
37	88203	1/4NCx1 BOLT
38	89279	U-BOLT
39	88282	3/8 FLAT WASHER
40	88362	3/8 LOCK WASHER
41	88103	3/8NC NUT
42	24459	20K SAFETY CHAIN
43	241757	GREASE GUN
	240799	460ep Tillage Lubricant (10 pak)

LIFT COMPONENTS

ALL SERIAL NUMBERS



79168-2

2000-2003

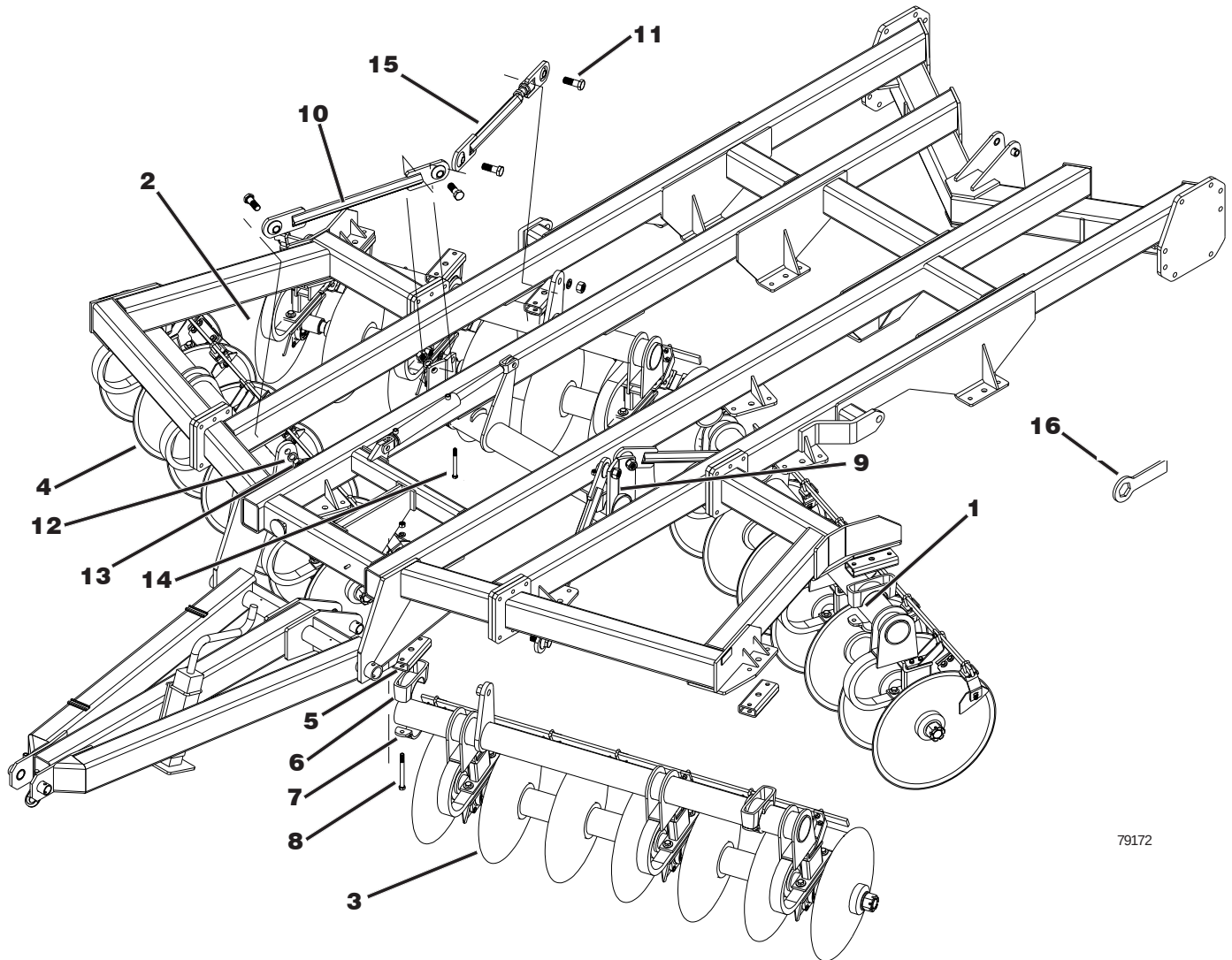
ITEM	PART NO	DESCRIPTION
1	69939	LEVELING ADJUSTMENT BOLT
2	69936	LEVELING HORN
3	69941	LEVELING NUT WELDMENT
4	69928	LEVELING ARM RH
5	69927	LEVELING ARM LH
6	88293	3/4NCx6 GR5 BOLT
7	88110	3/4NC NUT
8	88298	5/8NCx4 GR5 BOLT
9	69948	PIN (1-3/4x10)
10	88541	1/2NCx3 GR5 BOLT
11	69944	LEVELING LINK
12	69976	PIN 1-3/4x9
13	88304	1/2NC LOCK NUT
14	88369	5/8NC LOCK NUT
15	88130	3/4 LOCK WASHER

2004-CURRENT

ITEM	PART NO	DESCRIPTION
1	69939	LEVELING ADJUSTMENT BOLT
2	69936	LEVELING HORN
3	69941	LEVELING NUT
4	222986	LEVELING ARM RH
5	222987	LEVELING ARM LH
6	88293	3/4NCx6 GR5 BOLT
7	88110	3/4NC NUT
8	88298	5/8NCx4 GR5 BOLT
9	69948	PIN 1-3/4x10
10	88940	1/2NCx3 GR8 BOLT
11	69944	LEVELING LINK
12	69976	PIN 1-3/4x9
13	88363	1/2NC LOCK NUT
14	88369	5/8NC LOCK NUT
15	88130	3/4 LOCK WASHER

GANG ASSEMBLY

SERIAL #'S 453553-454976



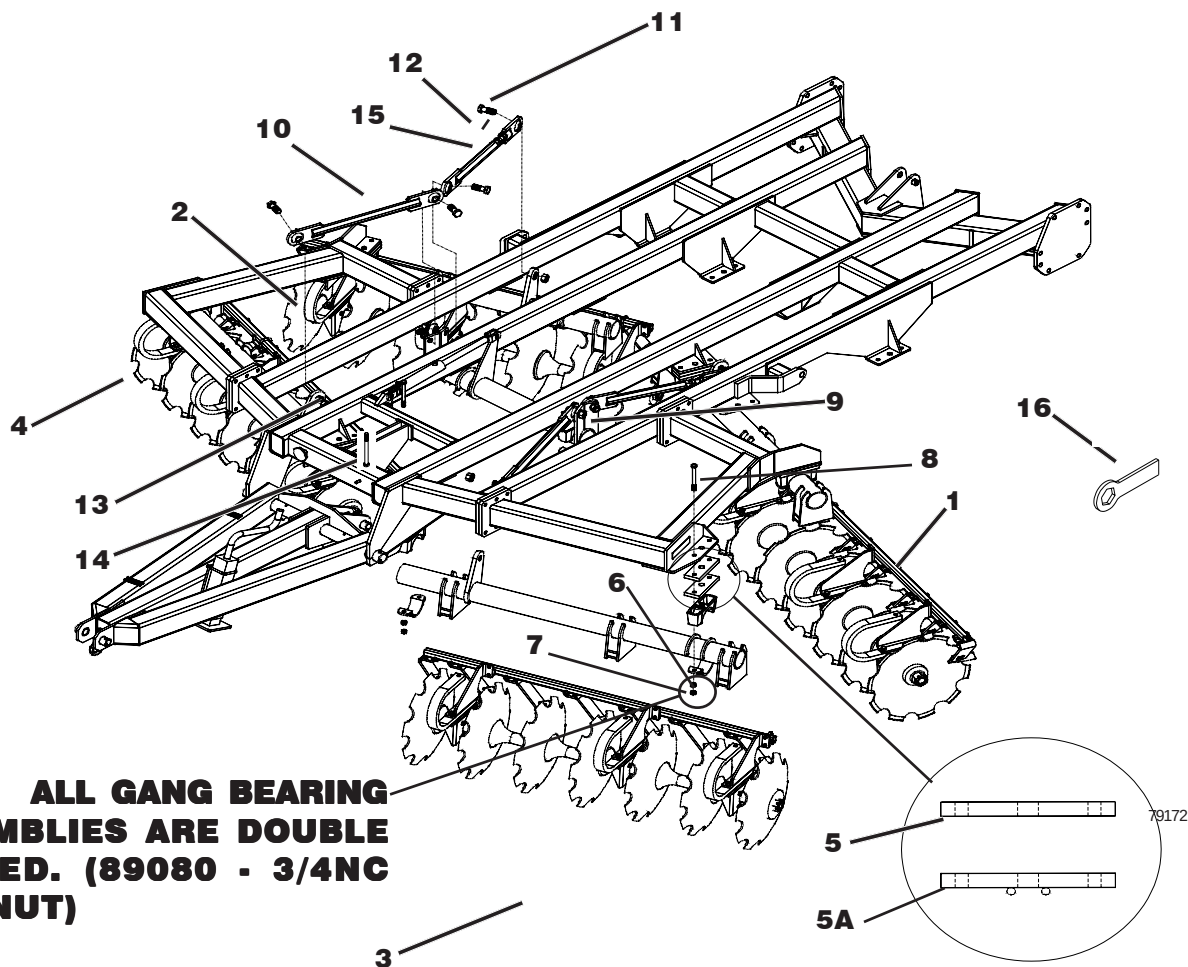
79172

ITEM PART NO DESCRIPTION

1	220684	GANG ASSY 7-28 LR W/SCRAPER
	220698	GANG ASSY 5-28 LR W/SCRAPER
2	220685	GANG ASSY 7-28 RR W/SCRAPER
	220699	GANG ASSY 5-28 RR W/SCRAPER
3	220682	GANG ASSY 7-28 LF W/SCRAPER
	220740	GANG ASSY 5-28 LF W/SCRAPER
4	220683	GANG ASSY 7-28 RF W/SCRAPER
	220741	GANG ASSY 5-28 RF W/SCRAPER
5	234060	BEARING OFFSET TUBE
6	221098	AXLE CLAMP BASE
7	221097	AXLE CLAMP CAP
	88263	GREASE ZERK
	234066	GREASE ZERK EXTENTION
	234067	COUPLER 1/8"

ITEM PART NO DESCRIPTION

8	88403	3/4NCx8 GR5 BOLT
9	69964	DISK LIFT
10	69977	TIEROD
11	222982	1-1/4NCx4 GR5 BOLT
13	88430	1-1/4NC LOCK NUT
14	88293	3/4NCx6 GR5 BOLT
15	222061	ADJUSTABLE LINK ASSEMBLY
	222058	PIVOT LINK
	222065	LINK ARM
	88622	1-1/4 NC JAM NUT
16	222249	957 DISC GANG WRENCH



NOTE: ALL GANG BEARING ASSEMBLIES ARE DOUBLE NUTTED. (89080 - 3/4NC GR8 NUT)

NOTE: DISK LIFT DOES NOT USE BEARING OFFSET PLATES.

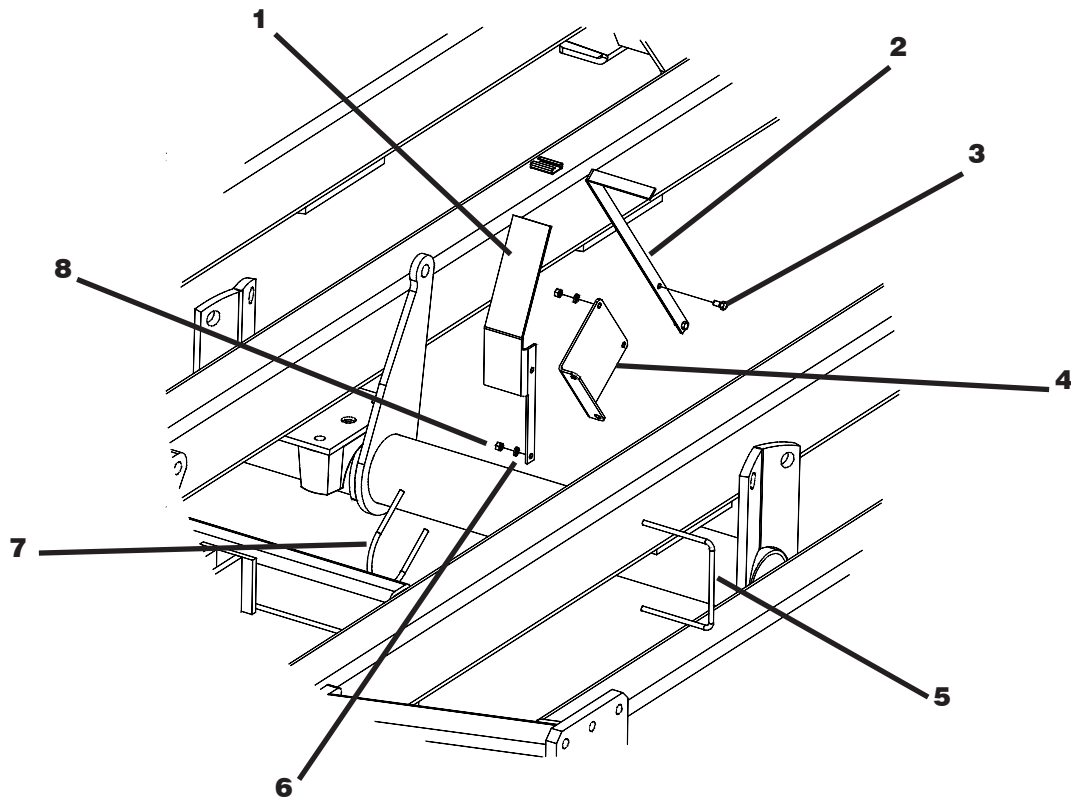
NOTE: IF USING ONLY ONE OFF-SET PLATE, THE BOTTOM PLATE MUST BE USED.

ITEM	PART NO	DESCRIPTION
1	223306	GANG ASSY 7-28 LR W/SCRAPER
	234013	GANG ASSY 6-28 LR W/ SCRAPER
	223302	GANG ASSY 5-28 LR W/SCRAPER
2	223307	GANG ASSY 7-28 RR W/SCRAPER
	234014	GANG ASSY 6-28 RR W/ SCRAPER
	223303	GANG ASSY 5-28 RR W/SCRAPER
3	223304	GANG ASSY 7-28 LF W/SCRAPER
	234015	GANG ASSY 6-28 LF W/ SCRAPER
	223316	GANG ASSY 5-28 LF W/SCRAPER
4	223305	GANG ASSY 7-28 RF W/SCRAPER
	234012	GANG ASSY 6-28 RF W/ SCRAPER
	223301	GANG ASSY 5-28 RF W/SCRAPER
5	234060	DISK GANG SHIM TOP
5A	235753	DISK GANG SHIM W/ STOPS BOTTOM
6	221098	AXLE CLAMP BASE
	88263	GREASE ZERK
	234066	GREASE ZERK EXTENTION
	234067	COUPLER 1/8"
7	221097	AXLE CLAMP CAP

ITEM	PART NO	DESCRIPTION
8	89409	3/4NCx7 GR8 BOLT (NO PLATES)
	89408	3/4NCx8 GR8 BOLT (1 PLATES)
	89092	3/4NCx9 GR8 BOLT (2 PLATES)
9	69964	DISC LIFT (CYLINDER T OFRONT)
	234058	DISC LIFT (CYLINDER TO BACK)
10	69977	TIE ROD
11	222982	1-1/4NCx4 GR5 BOLT
12	88133	PIN COT 3/16DIAX2 Z
13	88350	1-1/4NC LOCK NUT
14	88293	3/4NCx6 GR5 BOLT
15	222061	ADJUSTABLE LINK ASSEMBLY
	222058	PIVOT LINK
	222065	LINK ARM
	88622	1-1/4 NC JAM NUT
16	222249	957 DISC GANG WRENCH

GANG DEPTH INDICATOR

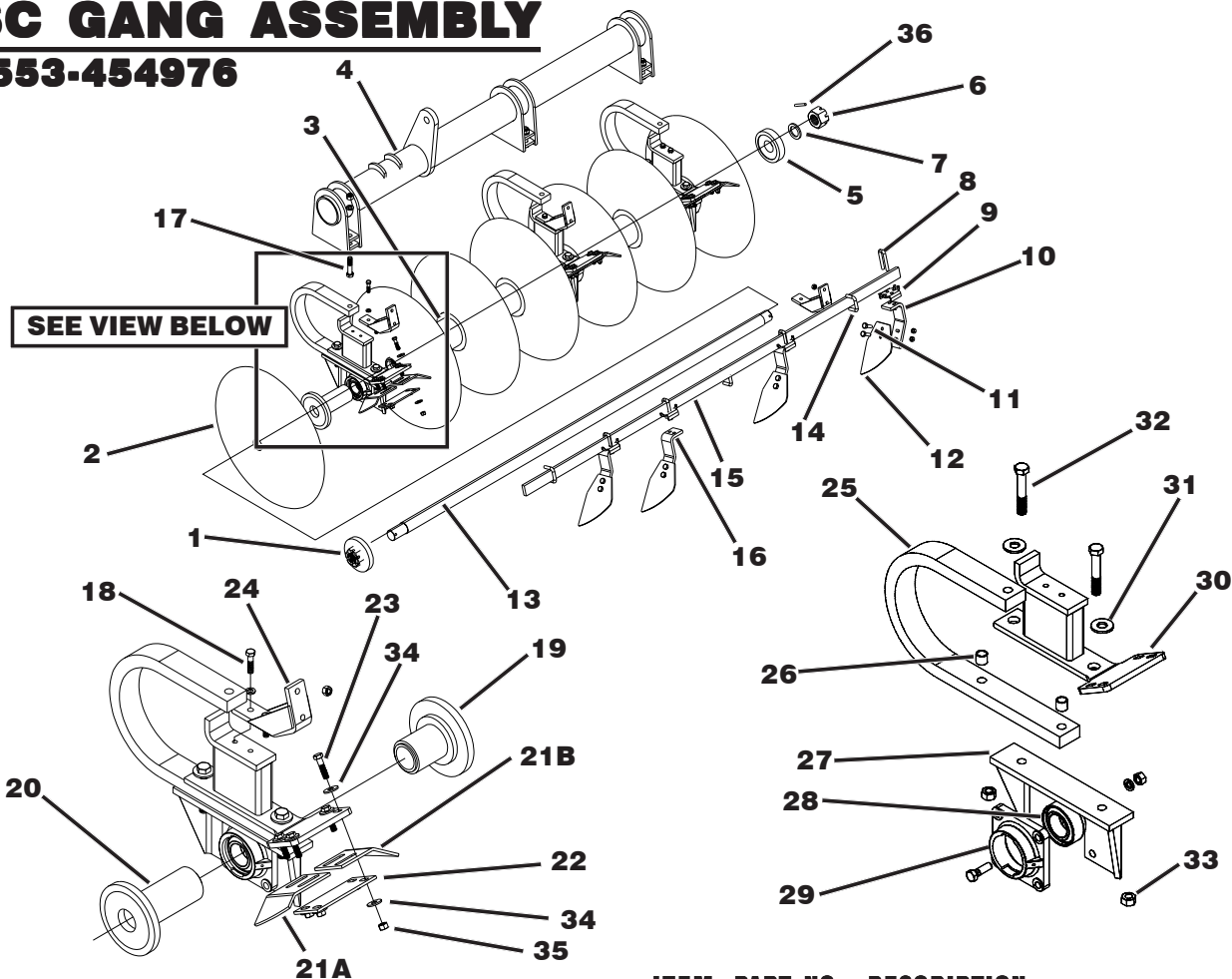
SERIAL # 456365-UP



ITEM	PART NO	DESCRIPTION
1	238360	GUAGE PLATE
2	238371	INDICATOR BAR
3	88566	3/8NCx3/4 GR5 BOLT
4	238359	FORMED PLATE
5	89279	3/8NCx7x6-1/4 U-BOLT
6	88362	3/8 LOCK WASHER
7	238372	U-BOLT ASSY
8	88103	3/8NC NUT

DISC GANG ASSEMBLY

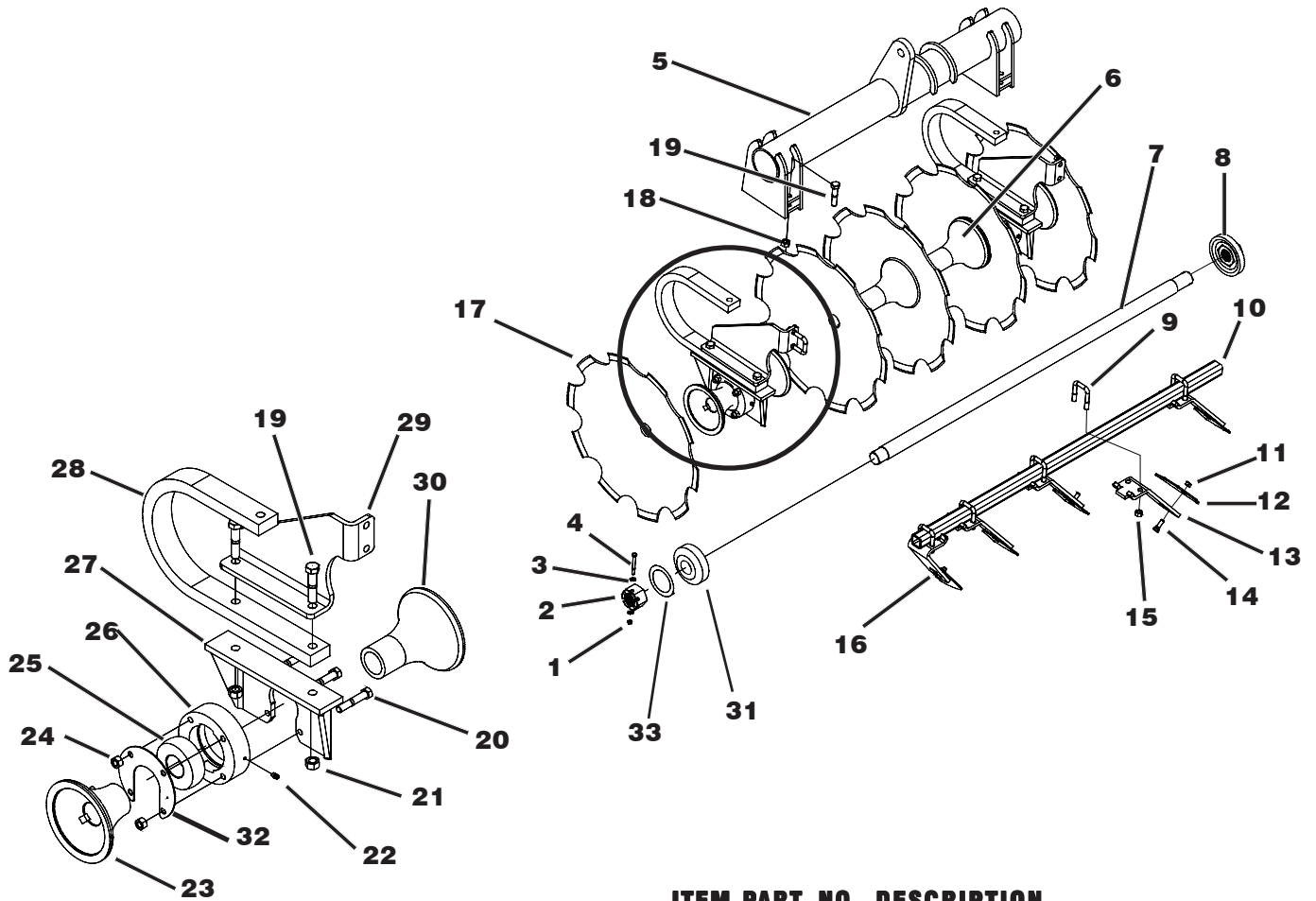
453553-454976



ITEM	PART NO	DESCRIPTION	ITEM	PART NO	DESCRIPTION
1	220660	SPOOL END CAP(FRONT GANG)	15	24115	SCRAPER BAR 96"
	221860	SPOOL END CAP(REAR GANG)		24631	SCRAPER BAR 66-1/2"
		(SHOWN)	16	24247	SCRAPER ARM
2	220686	28" BLADE NOTCHED 2-1/4" RD 2.88 CON.	17	88111	3/4NCx3-1/2 GR5 BOLT
	222973	28" BLADE SMOOTH 2-1/4 RD 2.88 CON	18	88679	1/2NCx2 GR5 BOLT
	234064	26" BLADE NOTCHED 2-1/4 RD 2.45 CON	19	220664	SPOOL (5.06)
	234065	26" BLADE SMOOTH 2-1/4 RD 2.45 CON	20	220663	SPOOL (8.33)
3	233822	SPOOL (14.62)	21A	58181	RIGHT BEARING SCRAPER(LF&RR)
4	69967	ROCK SHAFT - LR(7 SHANK) (79.6)		58182	LEFT BEARING SCRAPER
	69959	ROCK SHAFT - RR (7 SHANK)SHOWN (79.6)			(RF&LR)
	69955	ROCK SHAFT - RF(7 SHANK) (91.25)	21B	58183	LEFT BEARING SCRAPER
	69966	ROCK SHAFT - LF(7 SHANK) (91.25)			(RF&LR)
	69961	ROCK SHAFT - LR(5 SHANK) (51.6)		58184	RIGHT BEARING SCRAPER(LF&RR)
	69969	ROCK SHAFT - RR(5 SHANK)(51.6)	22	220693	4 HOLE BOLT PLATE (1.75x6.00)
	69968	ROCK SHAFT - RF(5 SHANK) (62.0)	23	88679	1/2NCx2 GR5 BOLT
	69957	ROCK SHAFT - LF(5 SHANK)(62.0)	24	220673	SCRAPERBAR SUPPORT
5	220661	SPOOL END CAP	25	220670	SPRING SHANK
6	89320	2NC SLOTTED NUT	26	24359	PIVOT BUSHING 10Dx3/4ID
7	220748	DISK GANG WASHER	27	222102	BEARING MOUNT
8	24329	1/2NC U-BOLT	28	24022	BEARING 2-3/16
9	27950	CLIP SCRAPER ARM (BLACK)	29	29018	BEARING 1.75 HOUSING
10	25716	SCRAPER ARM (5 & 7 SHANK) 10-1/2" SPACING	30	220667	SCRAPERBAR BRACKET(28"DISK)
11	88873	1/2NCx1-1/2 CARRIAGE BOLT	31	88131	3/4 FLAT WASHER
12	24301	SCRAPER BLADE	32	88421	3/4NCx4-1/2 GR5 BOLT
13	220688	GANG SHAFT (2-3/16 x 68.81)	33	88611	3/4NC LOCK NUT
	220689	GANG SHAFT (2-3/16 x 98.81)	34	89054	1/2 FLAT WASHER
	221861	5 SHANK REAR (2-3/16 x 66.75)	35	88621	1/2NC LOCK NUT
	221862	7 SHANK REAR (2-3/16 x 96.75)	36	88771	3/8x3 ROLL PIN
14	24217	1/2NCx2-1/8x1-7/8 U-BOLT			

DISC GANG ASSEMBLY

455623-UP



ITEM PART NO DESCRIPTION

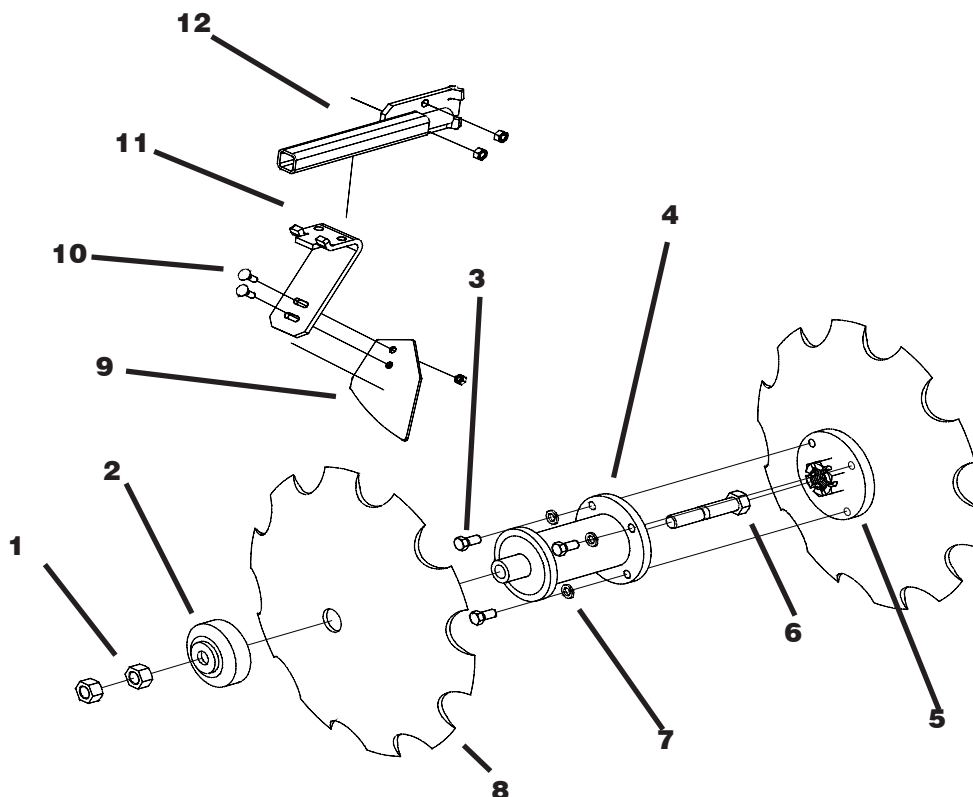
1	88162	3/8NC LOCK NUT
2	89320	4-1/2NC SLOTTED NUT
3	88282	3/8 FLAT WASHER
4	88412	3/8NCx3-1/2 BOLT
5	69967	ROCK SHAFT - RL 7 SHANK (79.6)
	69959	ROCK SHAFT - RR 7 SHANK (79.6)
	69955	ROCK SHAFT - FR 7 SHANK (91.25)
	69966	ROCK SHAFT - FL 7 SHANK (91.25)
	69961	ROCK SHAFT - RL 5 SHANK (51.6)
	69969	ROCK SHAFT - RR 5 SHANK (51.6)
	69968	ROCK SHAFT - FR 5 SHANK (62.0)
	69957	ROCK SHAFT - FL 5 SHANK (62.0)
6	233822	FULL SPOOL CASTING
7	220688	GANG SHAFT (2-3/16 x 68.81)
	233823	GANG SHAFT (2-3/16 x 81.75)
	220689	GANG SHAFT (2-3/16 x 98.81)
	221861	GANG SHAFT (2-3/16 x 66.75) (5 SHANK)
	221862	GANG SHAFT (2-3/16 x 96.75) (7 SHANK)
8	221860	GANG END CAP
9	89380	5/8NCx2x3-1/2 U-BOLT
10	236178	SCRAPER TUBE (79.5)
	236181	SCRAPER TUBE (94)
	236183	SCRAPER TUBE (64)
11	88621	1/2 NC LOCK NUT
12	233799	SCRAPER BLADE

ITEM PART NO DESCRIPTION

13	222969	SCRAPER MOUNT
14	88873	1/2NCx1-1/2 CARRIAGE BOLT
15	88627	5/8NC LOCK NUT
16	222972	SCRAPER MOUNT
17	220686	28" NOTCHED BLADE 2-1/4RD 2.88 CON
	222973	28" SMOOTH BLADE 2-1/4RD 2.88 CON
	234064	26" BLADE NOTCHED 2-1/4RD 2.45 CON
	234065	26" BLADE SMOOTH 2-1/4RD 2.45 CON
18	88611	3/4NC LOCK NUT
19	88111	3/4NCx3-1/2 BOLT
20	88507	1/2NCx3-1/2 BOLT
21	88611	3/4NC LOCK NUT
22	89318	GREASE FITTING
23	220889	SHORT SPOOL (5.25)
24	88621	1/2NC LOCK NUT
25	238374	BEARING (HD)
26	222375	BEARING HOUSING
27	222377	BEARING MOUNT (HD)
28	220670	C-SPRING
29	222970	SCRAPER MOUNT - RH
	222974	SCRAPER MOUNT - LH
30	220890	LONG SPOOL (8.0)
31	220661	SPOOL END CAP
32	236894	BEARING GUARD
33	220748	DISC GANG WASHER(1/4WX2IDX3OD)

SINGLE BLADE ADD ON

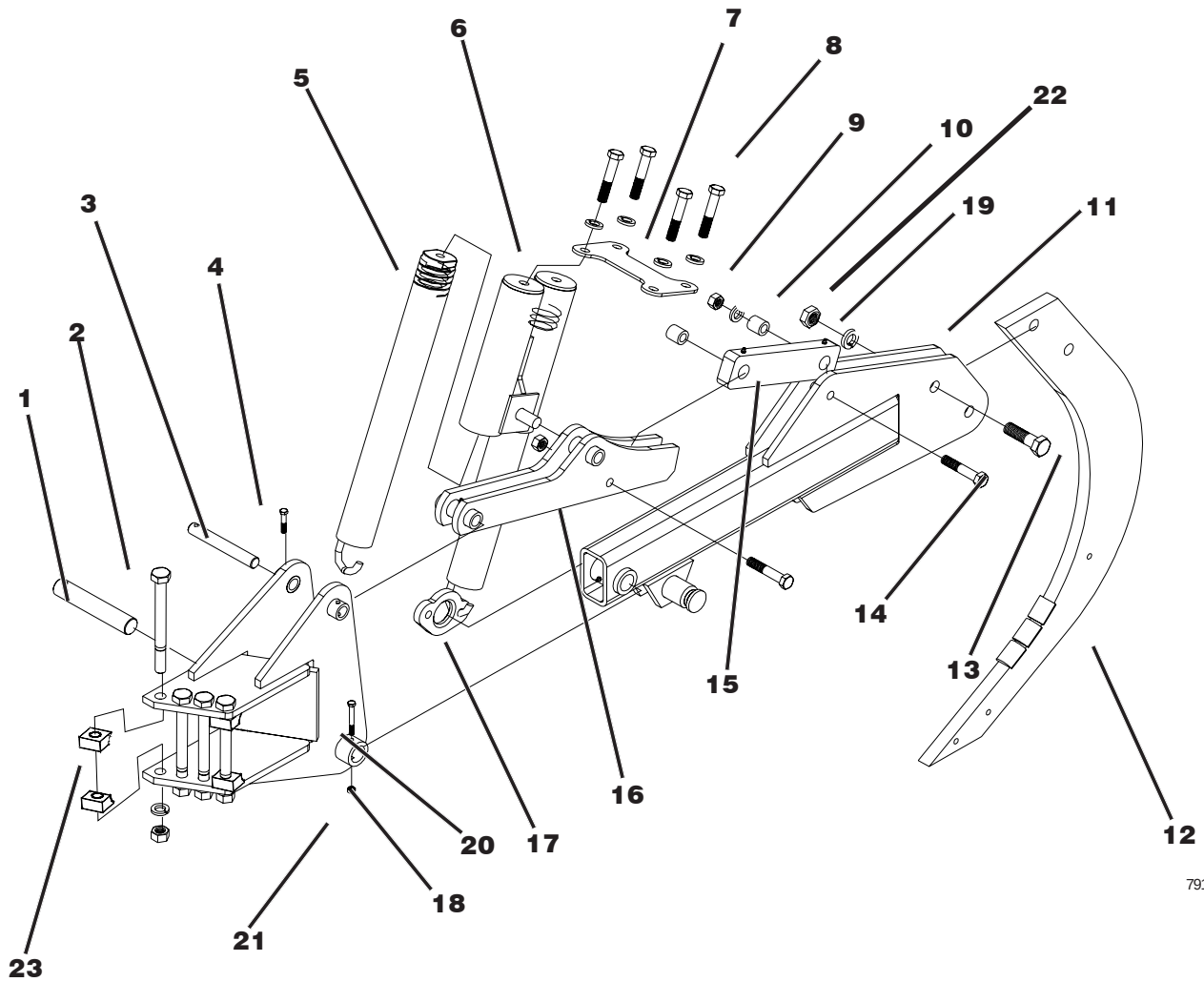
ALL SERIAL NUMBERS



ITEM	PART NO	DESCRIPTION
1	88622	1-1/4NC JAM NUT
2	220660	SPOOL END CAP
3	89057	3/4NCx1-1/2 GR5 BOLT
4	233796	BLADE EXTENSION
5	233798	THREADED END CAP
6	88349	1-1/4NCx6-1/2 GR5 BOLT
7	88130	3/4 LOCK WASHER
8	220686	28" NOTCHED BLADE 2-1/4RD 2.88 CON
	222973	28" SMOOTH BLADE 2-1/4RD 2.88 CON
	234064	26" BLADE NOTCHED 2-1/4RD 2.45 CON
	234065	26" BLADE SMOOTH 2-1/4RD 2.45 CON
9	233799	SCRAPPER BLADE
10	88873	BLT CRG 1/2-13NCX1-1/2
11	222972	SCRAPER MOUNT
12	233827	SCRAPER TUBE EXTENSION
13	88621	NUT NLK 1/2-13NC

SHANK ASSEMBLY

ALL SERIAL NUMBERS



79170

ITEM PART NO DESCRIPTION

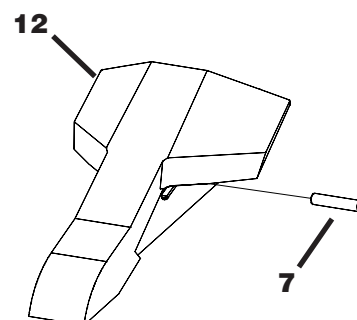
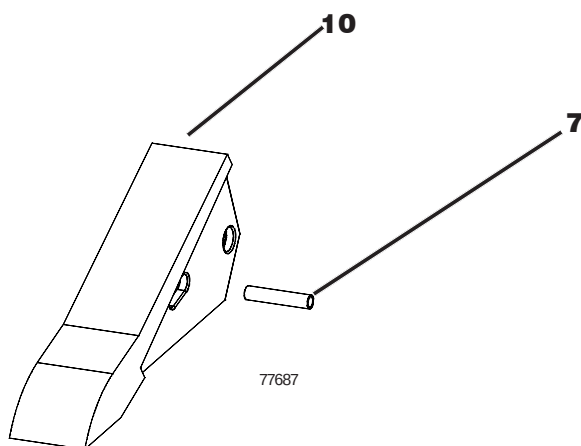
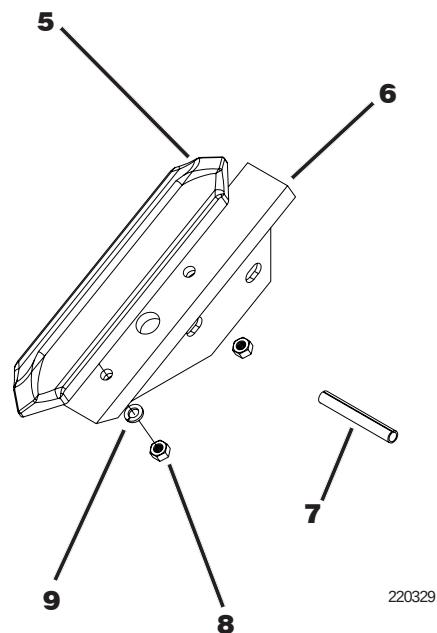
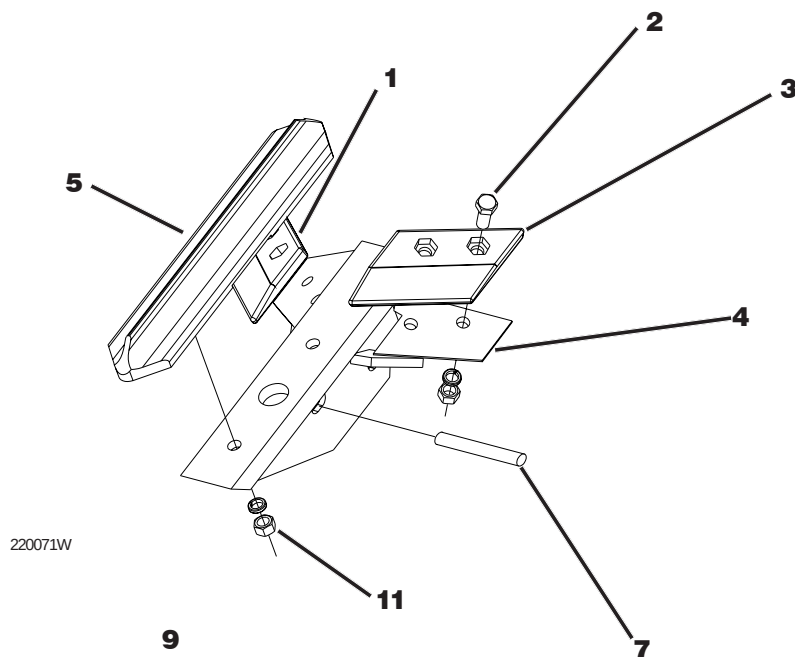
	69818	TRIP ASSY - LEFT (INCLUDES ITEMS 1-11 & 14-21)
	69819	TRIP ASSY - RIGHT (INCLUDES ITEMS 1-11 & 14-21)
1	69827	LOWER PIN (1-1/2x8-1/4)
2	89094	7/8NCx9-1/2 GR5 BOLT
3	69826	UPPER PIN (1x7-1/4)
4	89011	3/8NCx2 GR5 BOLT
5	221209	SPRING & CAST PLUG ASSEMBLY
6	69970	SPRING CANISTER
7	69975	SPRING CANISTER PLATE
8	10210	ADJUSTMENT BOLT
9	88356	3/4NC LOCK NUT
10	69825	BUSHING (1-1/4ODx1-1/4)
11	69801	LOWER LINK WELD

ITEM PART NO DESCRIPTION

12	220908	SHANK (ALL PRIOR TO 455623)
	236503	SHANK (455623-UP)
13	237506	1NCx3-1/2 GR5 BOLT
14	64409	3/4NCx3-1/2 GR8 PIVOT BOLT
15	69809	LINK ARM
	88528	FTG GRS 1/8NPT 1607-B
16	69821	UPPER LINK (RED)(ALL PRIOR TO 455623)
	236504	UPPER LINK (BLACK)(455623-UP)
17	220332	SPRING ANCHOR PLATE
18	69811	CLAMP WELD LH
	69810	CLAMP WELD RH (SHOWN)
19	88550	1/4 GREASE FITTING
20	88541	1/2NCx3 GR5 BOLT
21	88363	1/2NC LOCK NUT
22	88348	1NC LOCK NUT
23	238922	WEDGE

RIPPER POINTS

ALL SERIAL NUMBERS

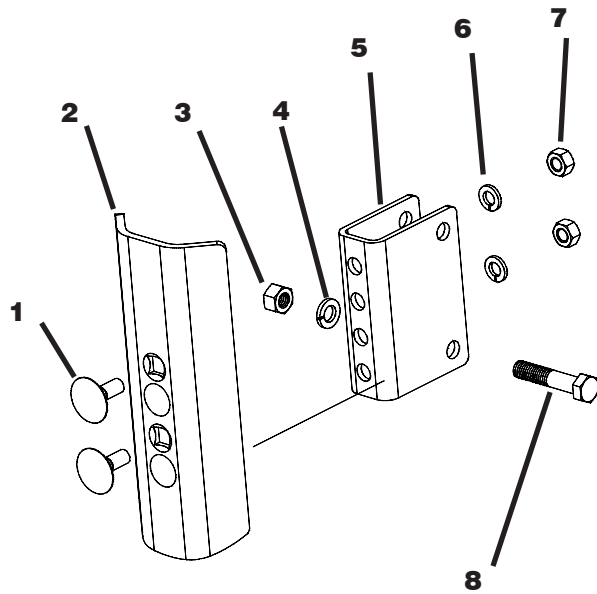


ITEM	PART NO	DESCRIPTION
	220071	WINGED RIPPER POINT ASSY (INCLUDES 1,2,3,4,5,9 & 11)
	220329	INSERT RIPPER POINT (INCLUDES ITEM 5,6, 8 & 9)
1	220076	RIGHT WING POINT
2	88475	1/2NCx1-1/2 GR5 BOLT
3	220075	LEFT WING POINT
4	221399	WINGED RIPPER POINT BASE
5	221414	INSERT FACE BOLT ON
6	221398	INSERT RIPPER POINT BASE

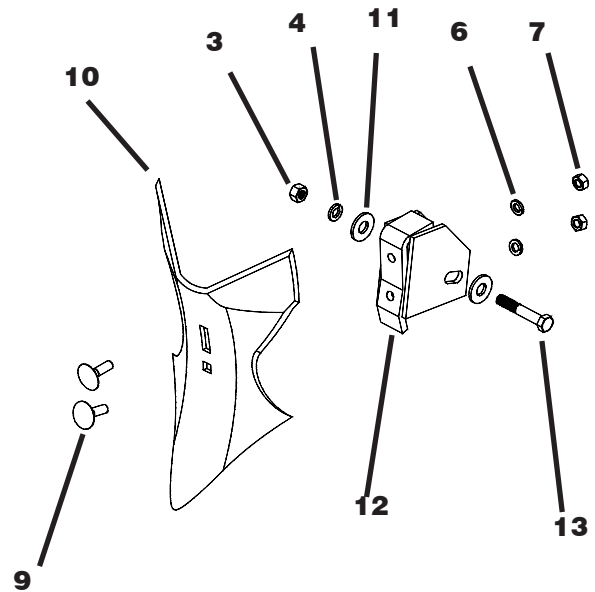
ITEM	PART NO	DESCRIPTION
7	89059	1/2x2-1/2 ROLL PIN
8	88587	1/2NF NUT
9	88303	1/2 LOCK WASHER
10	233409	CAST RIPPER POINT LARGE
11	88104	5/8NC NUT
12	221353	WING POINT (10')

TRASH BOARDS AND FURROWER

ALL SERIAL NUMBERS



4" TRASH BOARD



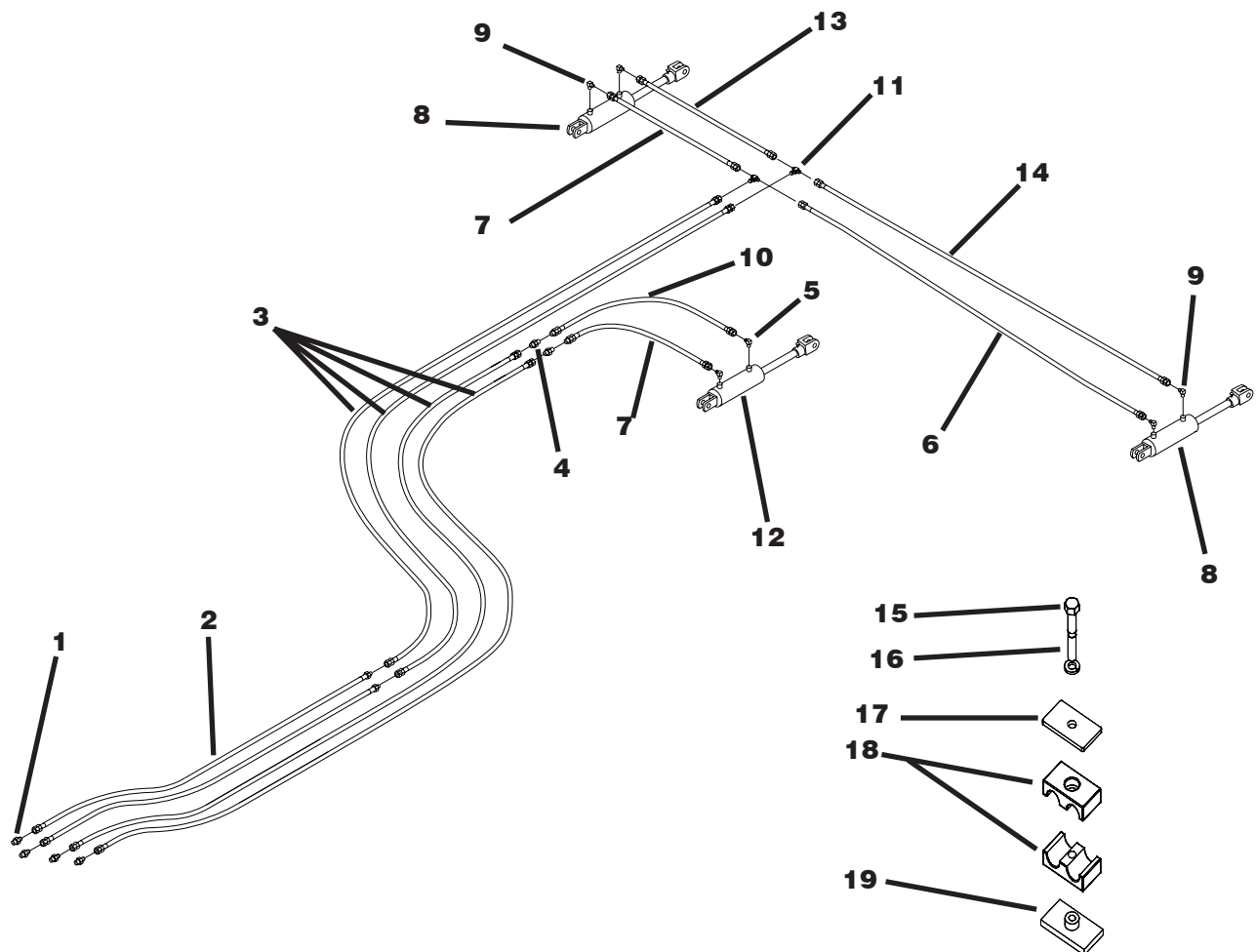
9" FURROWER

ITEM	PART NO	DESCRIPTION
1	88423	7/16NCx1-1/4 PLOW BOLT
2	233213	TRASH PLATE
3	88104	1/2NC NUT
4	88303	1/2 LOCK WASHER
5	233626	TRASH PLATE MOUNT
6	88269	7/16 LOCK WASHER
7	88270	7/16NC NUT
8	88410	1/2NCx2-1/2 BOLT
9	88599	7/16NCx1-1/2 PLOW BOLT
10	23180	9" FURROWER
11	88347	1/2 FLAT WASHER
12	42513	FURROW MOUNT
13	88541	1/2NCx3 BOLT

HYDRAULICS

453553-454976

456365-UP

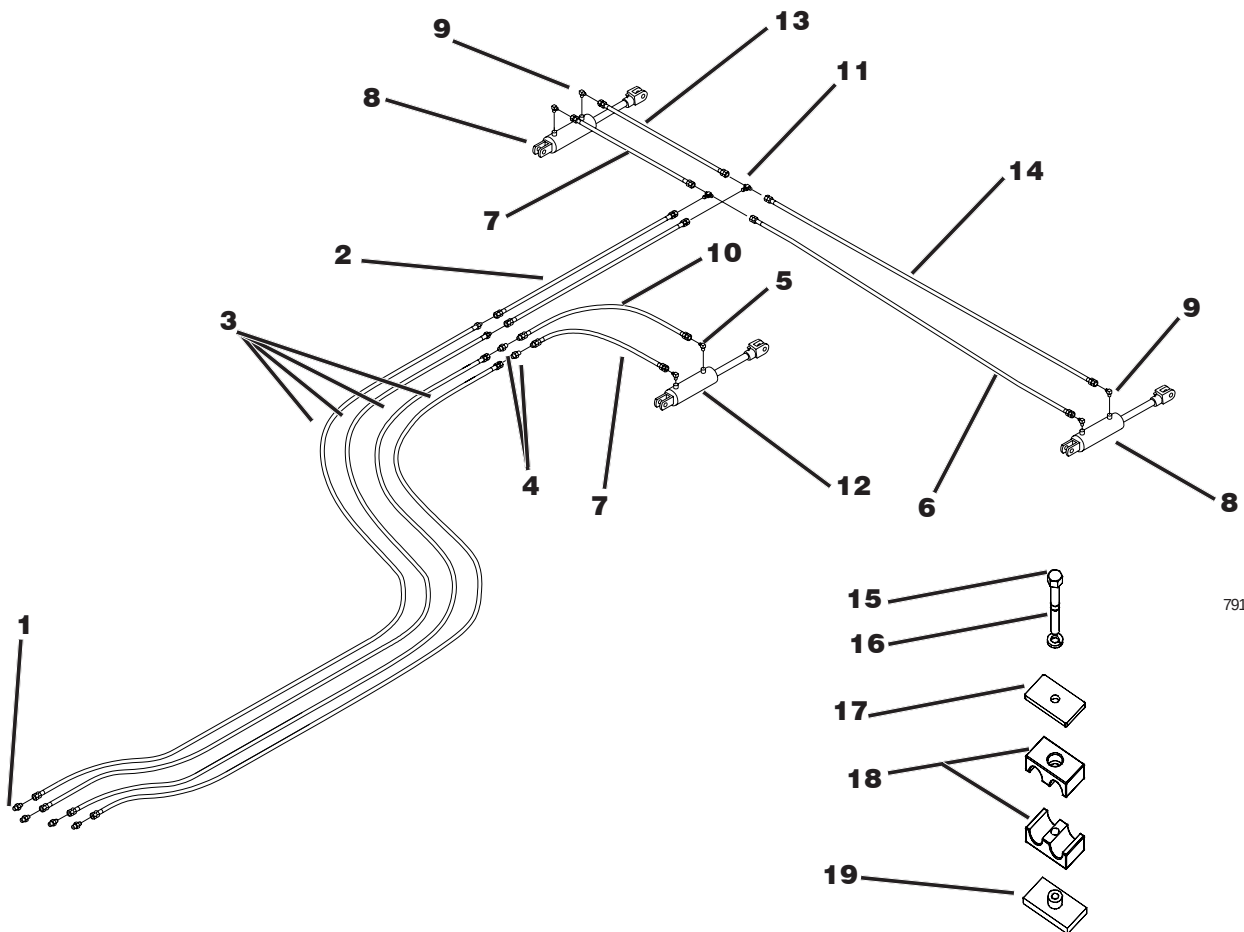


ITEM	PART NO	DESCRIPTION
1	13234	3/4JICx1/2NPT COUPLER ADAPTER
2	13267	3/8x72 HOSE MF
3	13484	3/8x156 HOSE FF
4	13239	3/4JIC UNION
5	13235	3/4JICx 3/8NPT PORT ELBOW
6	25602	3/8x65 HOSE FF
7	25596	3/8x32 HOSE FF
8	222213	4x16 HYD CYLINDER (453553-454976)
	233833	4" SEAL KIT
	222213F1	4x16 HYD CYL FGS (456365-UP)
	233838	4" SEAL KIT

ITEM	PART NO	DESCRIPTION
9	13236	3/4JICx1/2NPT PORT ELBOW
10	14851	3/8x42 HOSE FF
11	13238	3/4JIC TEE
12A	51240	3x12 HYD CYLINDER (WELDED)
	233831	SEAL KIT (453553-454976)
12B	234764	4x12 HYD CYLINDER (TIEROD)
	222038	4" SEAL KIT TIEROD (456365-UP)
13	13265	3/8x56 HOSE FF
14	56540	3/8x89 HOSE FF
	63834	CYLINDER STOP PACKAGE
15	88480	BLT HEX 5/16-18NCX1-3/4
16	88358	PIN COT 5/32DIA X1
17	221445	COVER PLATE
18	220645	CLAMP HALF 3/8 TWIN
19	221443	TWIN PLATE

HYDRAULICS

454976-456365



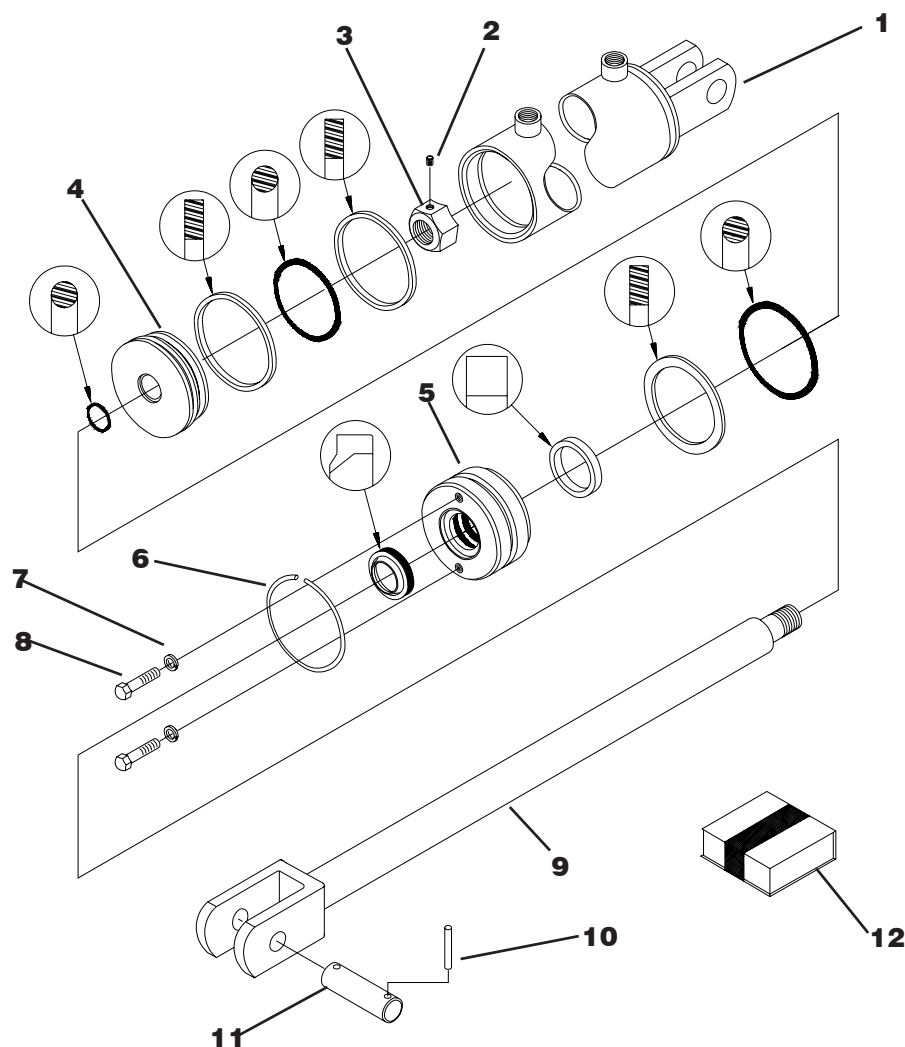
79171

ITEM	PART NO	DESCRIPTION
1	13234	3/4JICx1/2NPT COUPLER ADAPTER
2	13580	3/8x96 HOSE MF
3	233689	3/8x180 HOSE FF
4	13239	3/4JIC UNION
5	13235	3/4JICx 3/8NPT PORT ELBOW
6	25602	3/8x65 HOSE FF
7	13269	3/8x84 HOSE MF
8	222213F1 233838	4x16 HYD CYLINDER 4" SEAL KIT

ITEM	PART NO	DESCRIPTION
9	13236	3/4JICx1/2NPT PORT ELBOW
10	13267	3/8x72 HOSE MF
11	13238	3/4JIC TEE
12	51240F 233729	3x12 HYD CYLINDER 3" SEAL KIT
13	13265	3/8x56 HOSE FF
14	56540	3/8x89 HOSE FF
	63834	CYLINDER STOP PACKAGE
15	88480	BLT HEX 5/16-18NCX1-3/4
16	88358	PIN COT 5/32DIAX1
17	221445	COVER PLATE
18	220645	CLAMP HALF 3/8 TWIN
19	221443	TWIN PLATE

3x12 HYDRAULIC CYLINDER

453553-454576



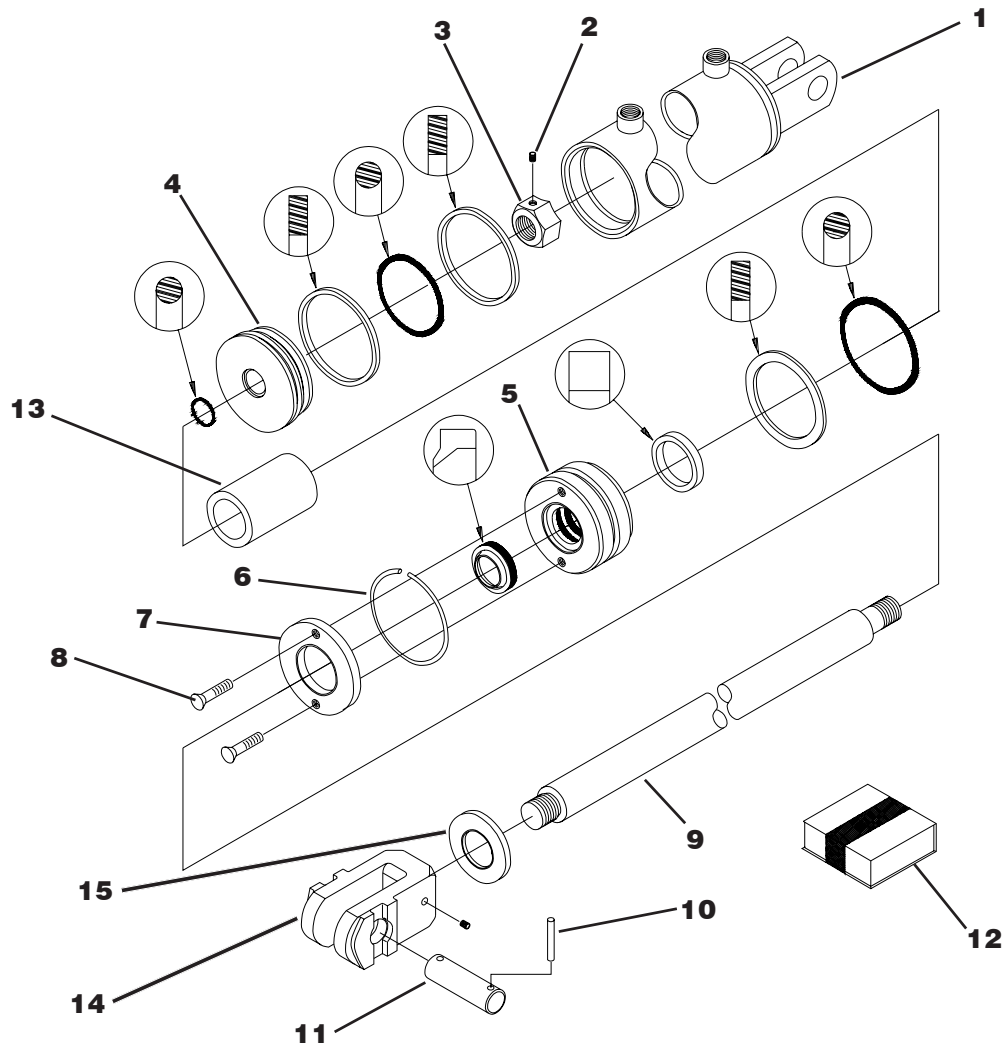
78716B

ITEM	PART NO	DESCRIPTION
	51240	3x12 HYDRAULIC CYLINDER
1	55692	3x12 CYLINDER TUBE
2	88706	5/16NCx5/16 SET SCREW
3	14824	PISTON LOCK NUT
4	12308	PISTON
5	51206	END GLAND 3"
6	12303	3" CYLINDER SNAP RING

ITEM	PART NO	DESCRIPTION
7	88855	1/4 SAE FLAT WASHER
8	88190	1/4NCx1/2 GR5 BOLT
9	55722	CYLINDER ROD
10	42484	CYLINDER LOCK PIN (1/4X2-1/4)
11	42473	CYLINDER PIN (H)
12	233831	3" SEAL KIT
	42504	CYLINDER PIN PACKAGE (INCLUDES ITEMS 10 & 11)

4x16 CYLINDER

453553-454976



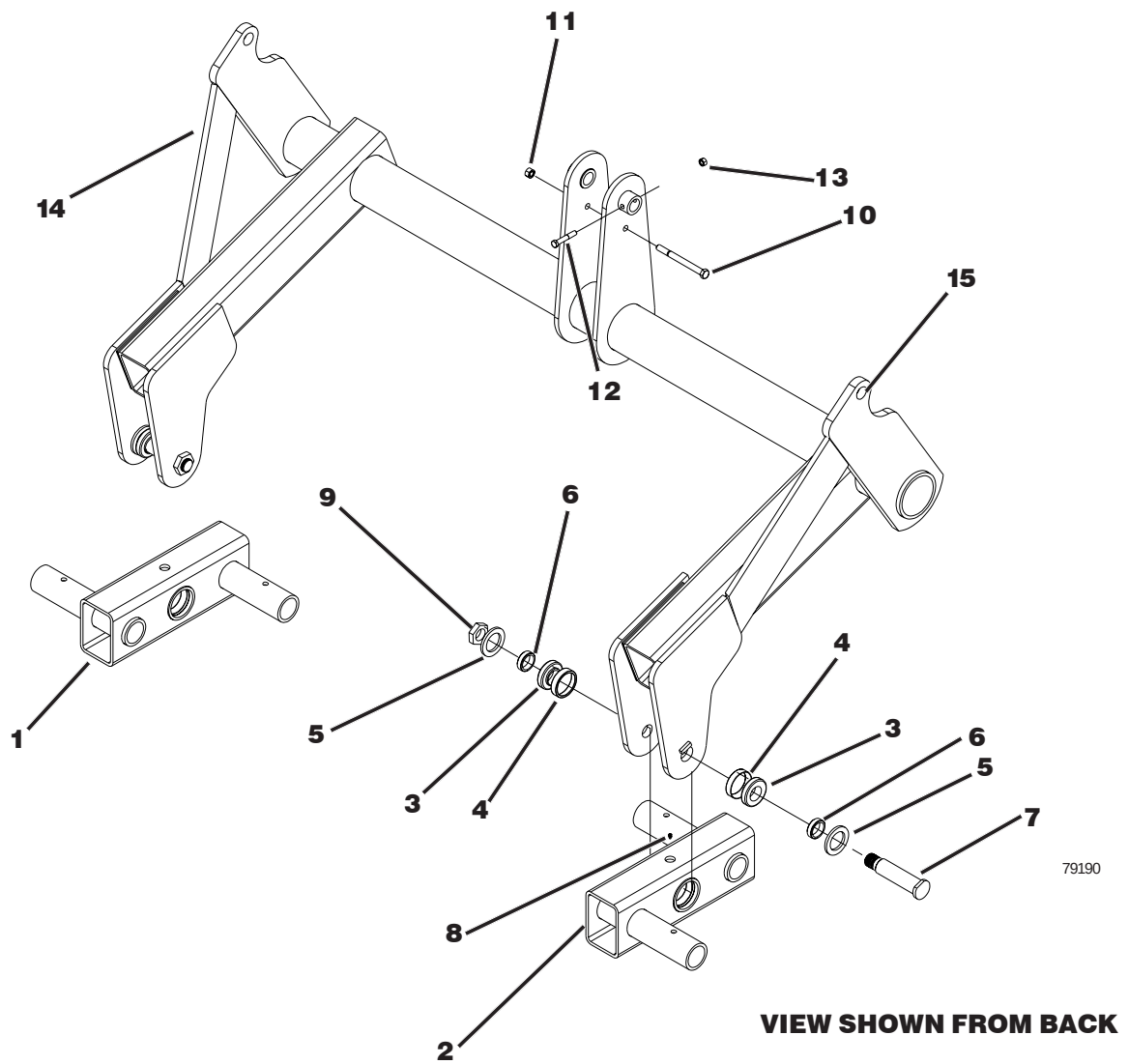
78716

ITEM	PART NO	DESCRIPTION
	222213	4x16 HYDRAULIC CYLINDER
1	220914	TUBE ASSEMBLY
2	88706	5/16NCx5/16 SET SCREW
3	14824	PISTON LOCK NUT
4	12282	PISTON
5	222212	4" OD x 2" ROD END GLAND
6	12286	4" CYLINDER SNAP RING
7	89336	3/8NCx1-1/4 BOLT

ITEM	PART NO	DESCRIPTION
8	222215	STOP PLATE (4ODx2)
9	222214	4X16 (2") CYLINDER ROD
10	42484	CYLINDER LOCK PIN (1/4x2-1/4)
11	22022	CYLINDER PIN (1-1/4x2-7/16)
	222247	HEADLESS PIN 1-1/4X4-5/8
12	233155	4" SEAL KIT
13	222216	TUBE
14	22019	CYLINDER YOKE
15	222217	ROD STOP PLATE
	42506	CYLINDER PIN PACKAGE (INCLUDES ITEMS 10, & 11)
	63834	STOP PACKAGE (1-3/4 DIA)

WALKING TANDEM

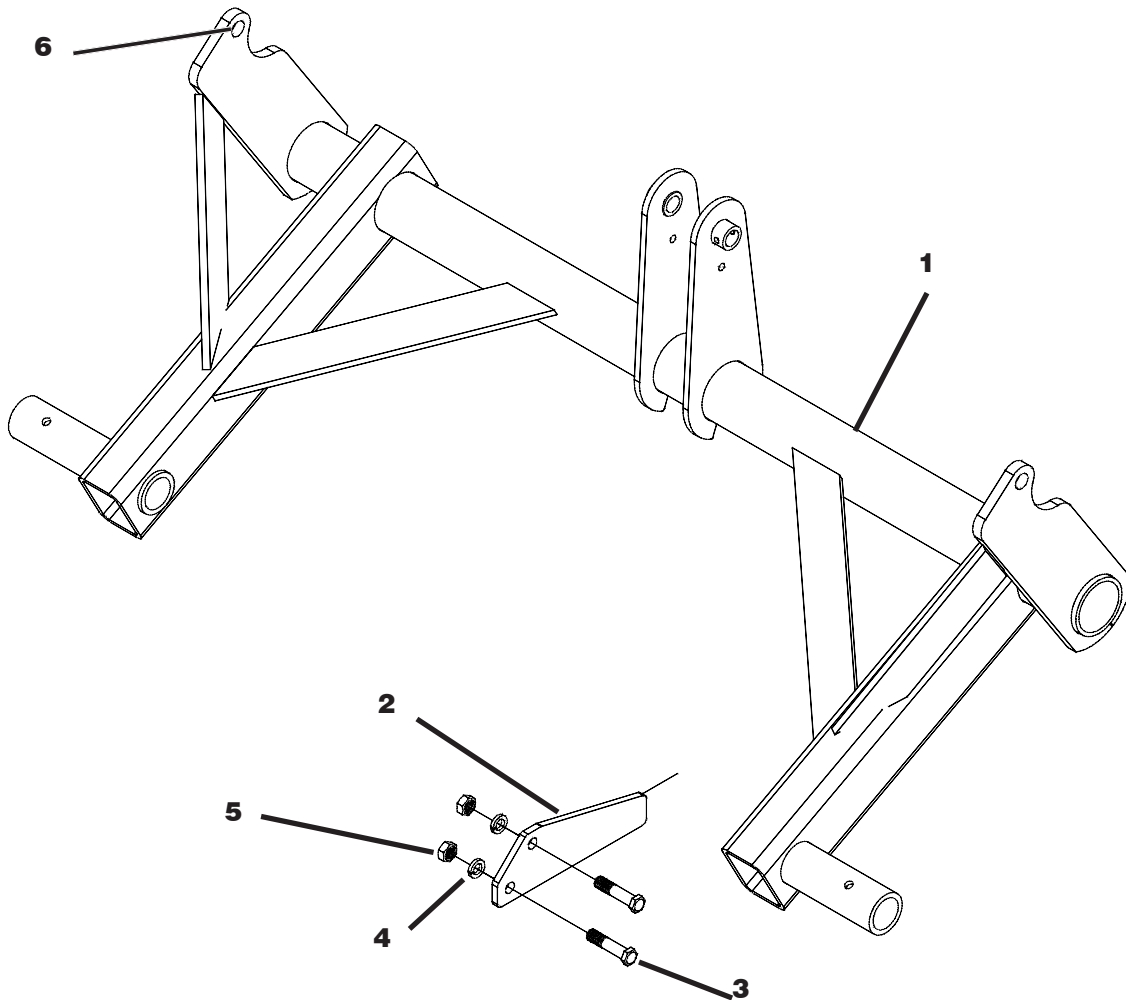
ALL SERIAL NUMBERS



ITEM	PART NO	DESCRIPTION
1	69996	AXLE - LH (5x15)
2	69997	AXLE - RH (5x15)
3	12103	1.75 BORE BRG CONE
4	12104	3.265 OD BEARING CUP
5	23733	SEAL
6	16278	BEARING BUSHING
7	69908	TANDEM PIN (8-1/4)
8	88550	1/4 GREASE FITTING
9	42082	1-1/2NF HYDRA LOCK NUT
10	88383	5/8NCx7 GR5 BOLT
11	88369	5/8NC LOCK NUT
12	88541	1/2NCx3 GR5 BOLT
13	88621	1/2NC LOCK NUT
14	69906	MAIN FRAME AXLE
15	33535	SPRING TENSION BUSHING(1-1/4")

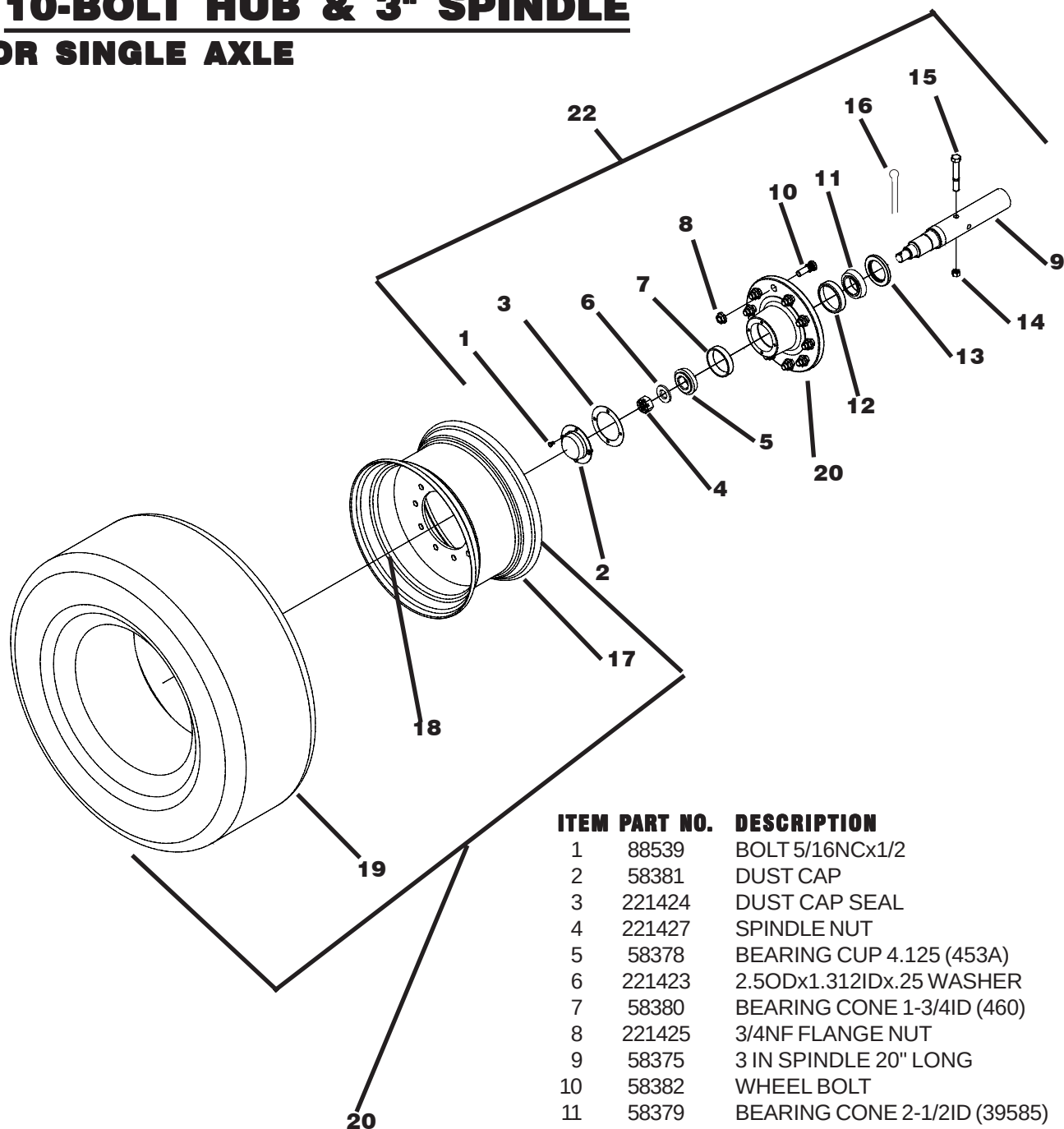
SINGLE TIRE AXLE

456365-UP



ITEM	PART NO	DESCRIPTION
1	237505	SINGLE TIRE AXLE
2	237517	MUD SCRAPER
3	88580	1NCx4-1/2 GR5 BOLT
4	88617	1" LOCK WASHER
5	88125	1 NC NUT
6	33535	SPRING TENSION BUSHING(1-1/4")

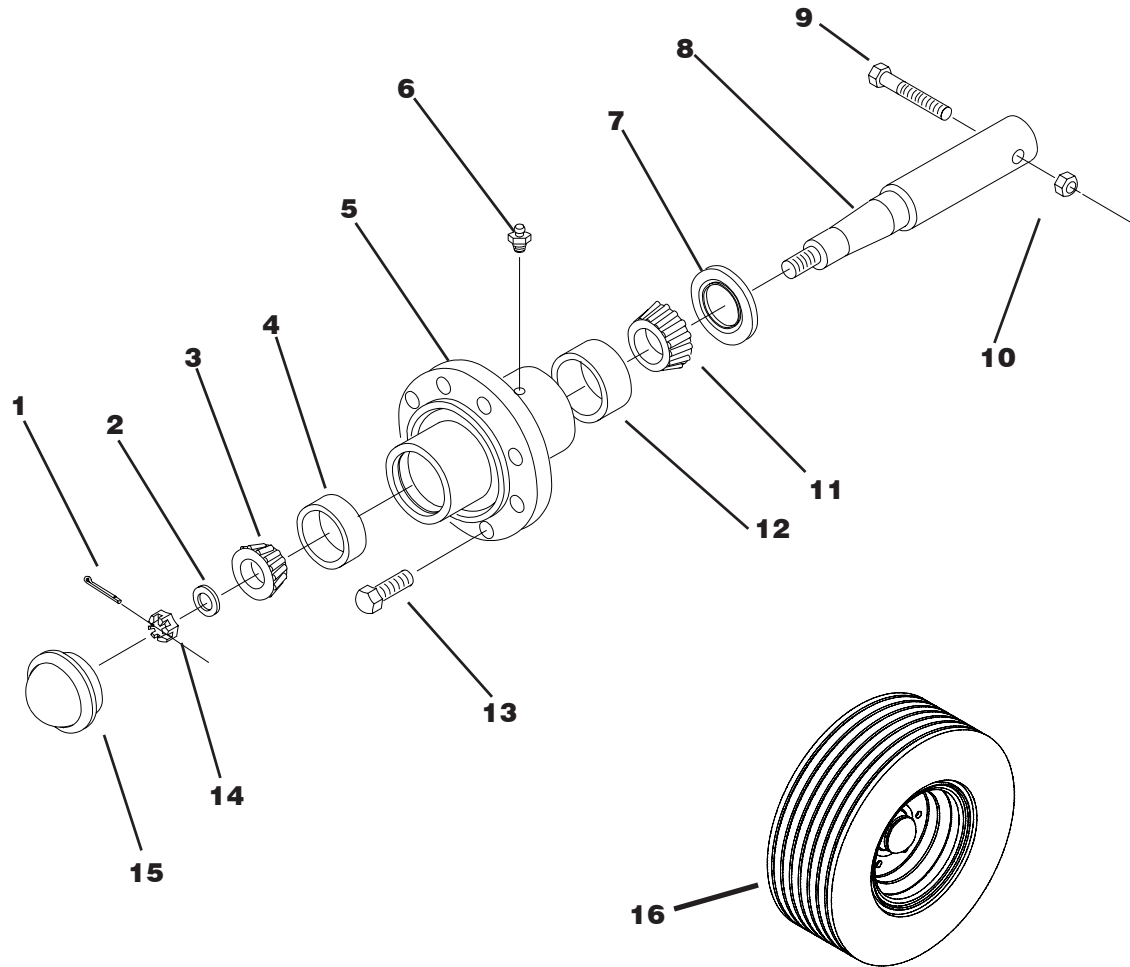
10-BOLT HUB & 3" SPINDLE FOR SINGLE AXLE



ITEM	PART NO.	DESCRIPTION
1	88539	BOLT 5/16NCx1/2
2	58381	DUST CAP
3	221424	DUST CAP SEAL
4	221427	SPINDLE NUT
5	58378	BEARING CUP 4.125 (453A)
6	221423	2.5ODx1.312IDx.25 WASHER
7	58380	BEARING CONE 1-3/4ID (460)
8	221425	3/4NF FLANGE NUT
9	58375	3 IN SPINDLE 20" LONG
10	58382	WHEEL BOLT
11	58379	BEARING CONE 2-1/2ID (39585)
12	58377	BEARING CUP 4.438OD (39520)
13	58383	GREASE SEAL
14	88369	NUT 5/8NC LOCK
15	88395	BOLT 5/8NCx5
16	88133	COTTER PIN 3/16x2
17	237512	16.5R22.5 RIM
18	57908	VALVE ASSY
19	237513	10-11.25-8.71 10B TIRE
20	237514	WHEEL TIRE AND RIM ASSY (INCLUDES ITEMS 17-19)
21	58376	10-BOLT HUB LESS SPINDLE (INCLUDES ITEMS 1-8 & 10-13)
22	58309	10-BOLT HUB & 3" SPINDLE ASSY (INCLUDES ITEMS 1-13 & 16-20)

8-BOLT HUB & 2-1/2" SPINDLE

FOR WALKING TANDEM ALL SERIAL NUMBERS

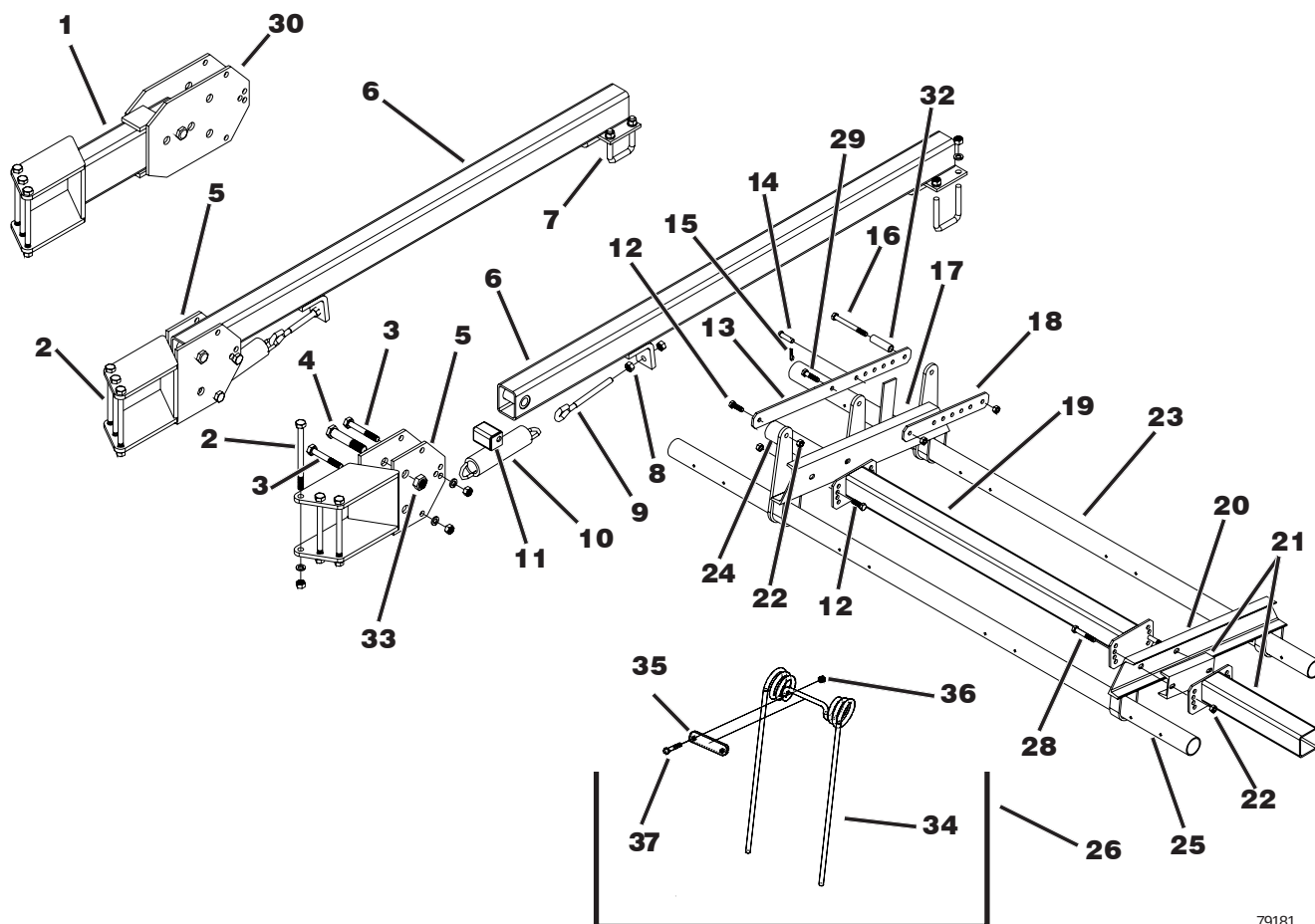


77836

ITEM	PART NO	DESCRIPTION	ITEM	PART NO	DESCRIPTION
	16154	8-BOLT HUB & SPINDLE (RED) (INCLUDES ITEMS 1-8 & 11-15)	8	16156	2-1/2" AXLE SPINDLE (14-3/4)
1	88301	3/16x1-1/2 COTTER PIN	9	88298	5/8NCx4 GR5 BOLT
2	64050	2-1/2ODx1-1/16ID SPINDLE WASHER	10	88369	5/8NC LOCK NUT
3	16081	OUTER BEARING CONE (TIMKIN# 2790)	11	16083	INNER BEARING CONE (TIMKIN# 3780)
4	16082	OUTER BEARING CUP (TIMKIN# 2720)	12	16084	INNER BEARING CUP (TIMKIN# 3720)
5	41054	8-BOLT PRESSED HUB (RED) (INCLUDES ITEMS 4, 6 & 12)	13	63831	9/16NFx1-1/8 90° WHEEL BOLT
6	88143	1/4NPT GREASE FITTING	14	88299	1NF SLOTTED NUT
7	16080	2-1/2" TRIPLE LIP SEAL (PRIOR 2003)	15	16077	DUSTCAP
	235298	2-1/2" TRIPLE LIP SEAL (2003 AND UP)	16	222259	31x13.5 12 PLY 8 BOLT WHEEL ASSY
				203196	15x10 WHEEL RIM
				57908	VALVE ASSEMBLY
				222088	31x13.5 12PLY TIRE

HARROW ASSEMBLY

453533-454976



79181

ITEM PART NO DESCRIPTION

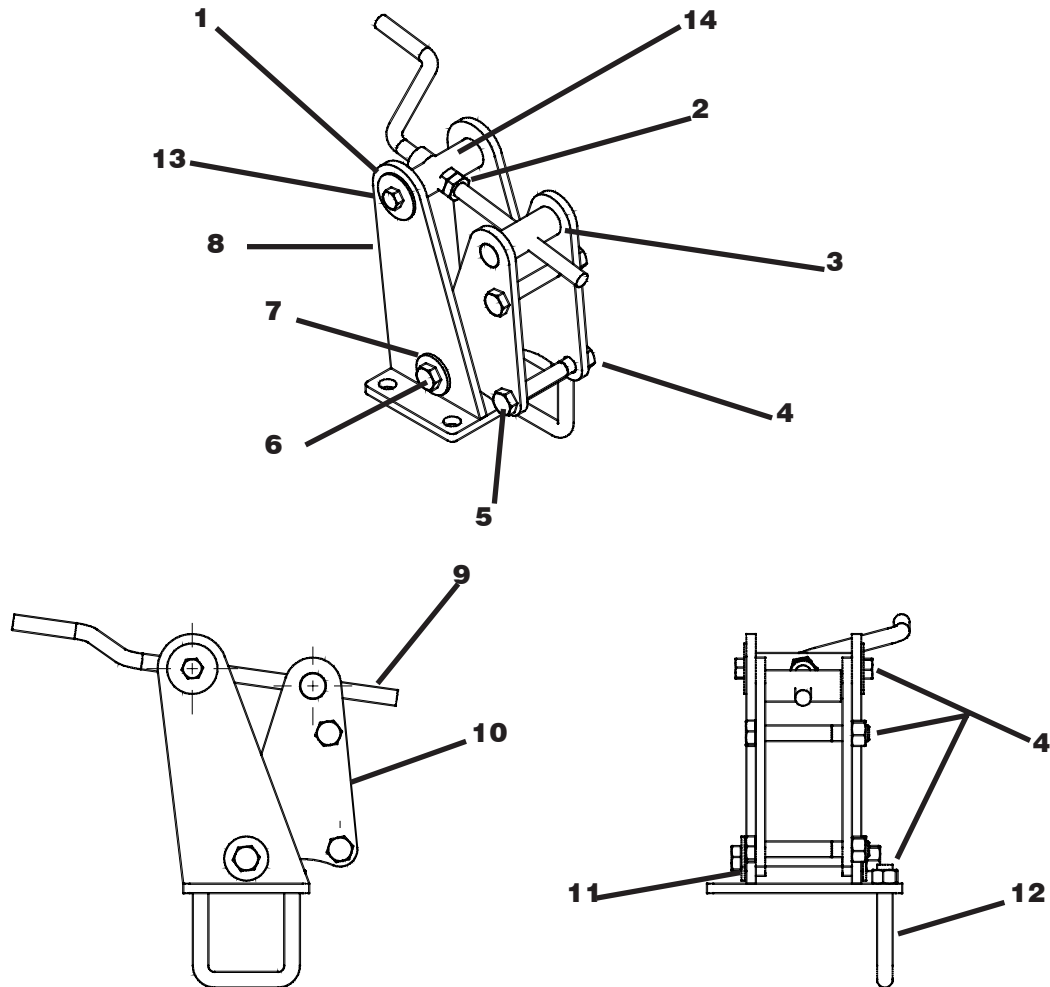
	221144	6' HARROW SECTION
	221145	8' HARROW SECTION
1	221490	HARROW EXTENSION BRKT(25.13)
	221830	HARROW EXTENSION BRKT(33.63)
2	88557	5/8NCx9 GR5 BOLT
3	88381	5/8NCx4-1/2 GR5 BOLT
4	88312	1NCx5 GR5 BOLT
5	221103	HARROW ARM MOUNT
6	221106	HARROW ARM
7	89327	5/8NCx3x4-1/4 U-BOLT
8	88126	5/8NC NUT
9	23123	5/8NC EYEBOLT
10	23122	EXTENSION SPRING (3/8x2-3/8ODx12)
11	221104	SPACER TUBE
12	88475	1/2NCx1-1/2 GR5 BOLT
13	221455	26" BAR LINKAGE
14	88448	CLEVIS PIN 1/2x1-3/4
15	88466	CLIP HAIRPIN 1/8x1
16	88681	1/2NCx5 GR5 BOLT
17	221453	4" RIGHT CHANNEL

ITEM PART NO DESCRIPTION

18	221456	14" BAR LINKAGE
19	221450	6' SPREADER BAR
	221451	8' SPREADER BAR
20	221454	4" LEFT CHANNEL
21	221493	16" FRAME EXTENSION W/HARDWARE
22	88621	1/2NC NYLON LOCK NUT
23	221483	PIPE 2-3/8 13" DISPL (6' SECTION)
	221486	PIPE 2-3/8 13" DISPL (8' SECTION)
24	221484	PIPE 2-3/8 19" DISPL (6' SECTION)
	221487	PIPE 2-3/8 19" DISPL (8' SECTION)
25	221485	PIPE 2-3/8 16" DISPL (6' SECTION)
	221488	PIPE 2-3/8 16" DISPL (8' SECTION)
26	236872	DOUBLE SPRING TINE ASSY
27	221495	SHOULDER BOLT
28	88541	1/2NCx3 GR5 BOLT
29	88679	1/2NCx2 GR5 BOLT
30	221367	HARROW EXTENSION BRACKET
32	205118	TUBE 1"ODx3
33	88348	1NC LOCK NUT
34	234081	HD HARROW TOOTH
35	236871	HARROW TINE STOP
36	88543	BLT HEX 1/2-13NCx3-3/4 5Z
37	88621	NUT NLK 1/2-13NC 5Z

HARROW PIVOT BRACKET

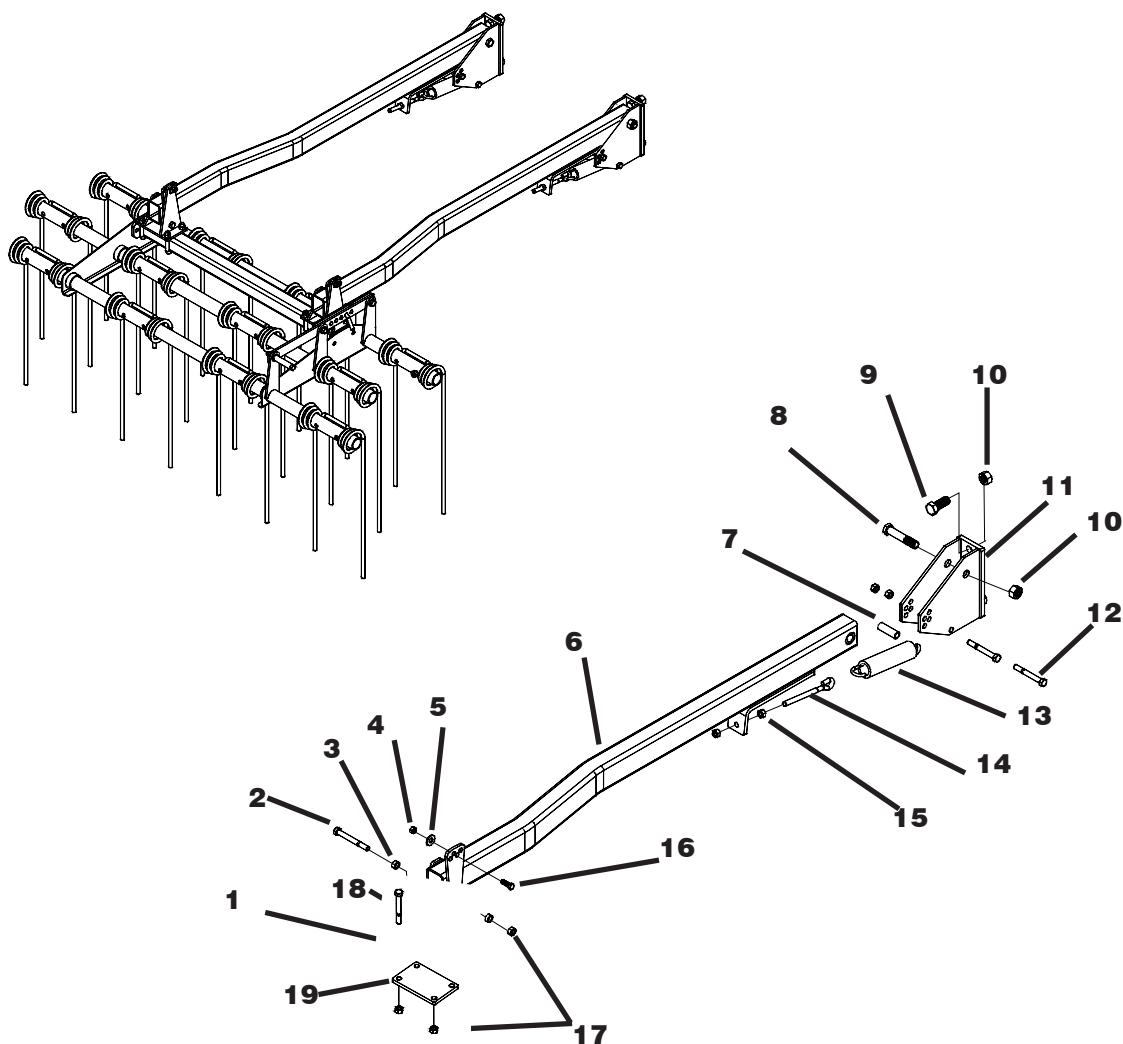
454976-455623



ITEM	PART NO	DESCRIPTION
1	89396	1/2 FENDER WASHER
2	23073	5/8-8 ACME THREAD NUT
3	222529	THREADED TRUNNION
4	88627	5/8NC LOCKNUT
5	88395	5/8NCx5 BOLT
6	88633	5/8NCx5-1/2 BOLT
7	88277	5/8 FLAT WASHER
8	233285	ARM PIVOT BRACKET
9	23076	GANG WHEEL CRANK
10	222526	BRACKET PLATE
11	222562	BUSHING (1"ODx5/8"IDx .41LONG)
12	89327	5/8NCx3x4-1/4 U-BOLT
13	89086	BLT HEX 1/2-13NC X 3/4 5P
14	222528	TRUNNION

HARROW ARM

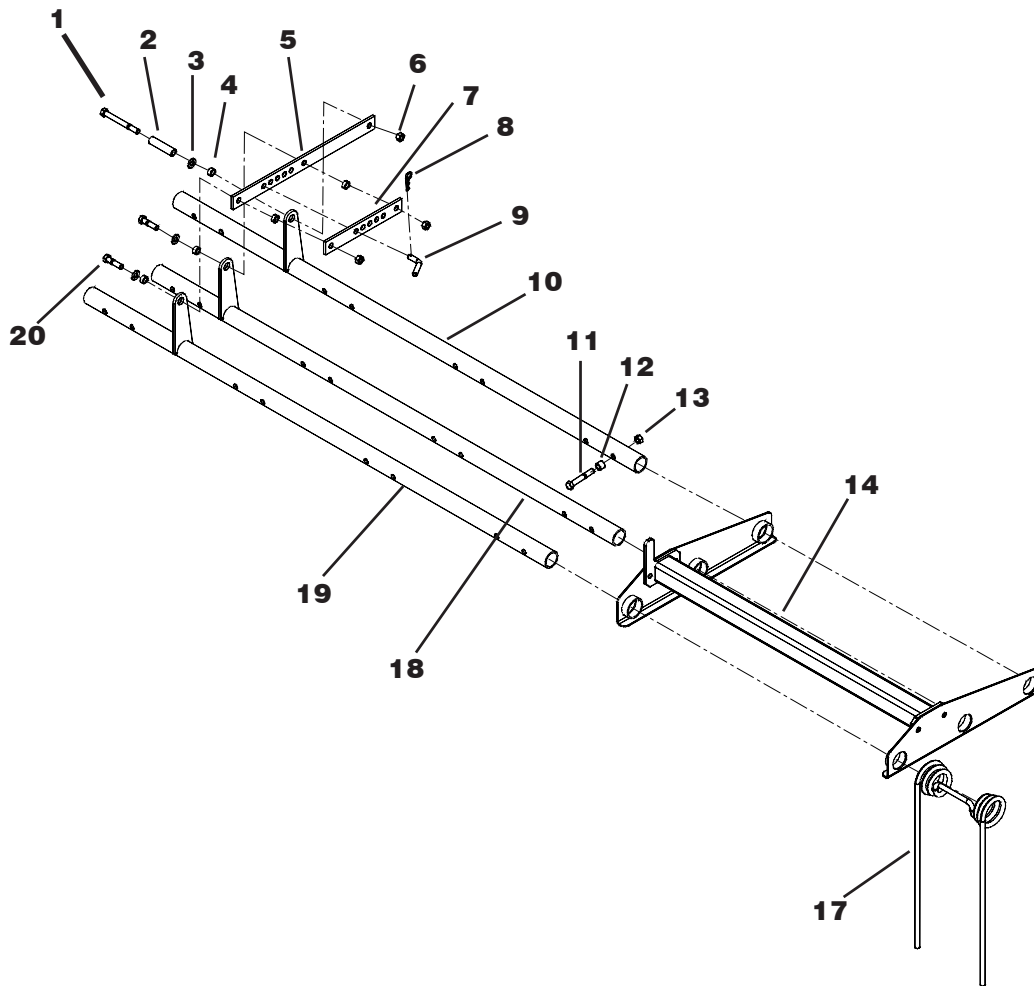
455623-UP



ITEM	PART NO	DESCRIPTION
1	238361	PIVOT BRACKET
2	88633	5/8NCx5-1/2 BOLT
3	222562	BUSHING (1"ODx.44)
4	88363	1/2NC LOCK NUT
5	88347	1/2 FLAT WASHER
6	236190	HARROWARM RIGHT
	236191	HARROWARM LEFT (SHOWN)
7	236185	SPACER 1"ODx3.06
8	88312	1NCx5 BOLT
9	88393	1NCx2-1/2 BOLT
10	89075	1NC LOCK NUT
11	233288	SINGLE MOUNT BRACKET
12	88395	5/8NCx5 BOLT
13	23122	EXTENSION SPRING (3/8x2-3/8ODx12")
14	23123	5/8 EYE BOLT
15	88126	5/8NC NUT
16	88475	1/2NCx1-1/2 BOLT
17	88627	5/8NC LOCK NUT
18	88395	5/8NCx5 GR5 BOLT
19	238310	PLATE

HARROW SECTION ASSEMBLY

454977-UP



ITEM PART NO. DESCRIPTION

1	88295	5/8NCx6 GR5 BOLT
2	22521	SPACER TUBE 1"ODx4.05
3	88277	5/8 FLAT WASHER
4	222562	BUSHING 1"ODx.44
5	222570	ADJUST BAR
6	88627	5/8NC LOCK NUT
7	222575	INNER ADJUST BAR
8	23039	HAIR PIN
9	32871	5/8x1-3/8 BENT PIN
10	222574	8FT REAR HARROW TUBE (84.7")
	222569	6FT REAR HARROW TUBE(60.7")
11	88298	5/8NCx4 GR5 BOLT
		QTY - 24-8FT
		18-6FT
12	200479	BUSHING
13	88845	5/8NC LOCK NUT
14	236195	8FT HARROW MOUNT WELD(49.7")
	236198	6FT HARROW MOUNT WELD (25.7")

ITEM PART NO. DESCRIPTION

17	234081	H.D. HARROW TOOTH 5/8x30
		QTY - 12/ 8FT SEC
		9/ 6FT SEC
18	222573	8FT CENTER HARROW TUBE (84.7")
	222568	6FT CENTER HARROW TUBE(60.7")
19	222572	8FT FRONT HARROW TUBE(84.7")
	222567	6FT FRONT HARROW TUBE(60.7")
20	88409	5/8NCx2-1/2 GR5 BOLT

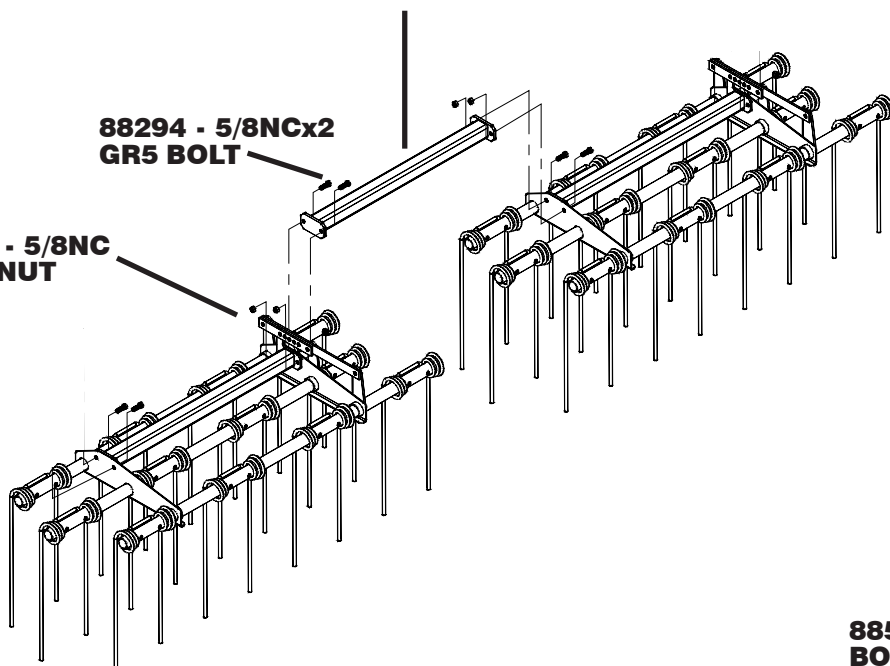
INTERMEDIATE TUBE ASSEMBLY

455622-UP

236189 - 46" SPANNER - 5 SHANK 30"
236501 - 142" SPANNER - 7 SHANK 30"

**88627 - 5/8NC
LOCK NUT**

**88294 - 5/8NCx2
GR5 BOLT**



**237591 -
EXTENTION TUBE**

**88312 - 1NCx5
GR5 BOLT**

**88557 - 5/8NCx9 GR5
BOLT**

**237510 -
HARROW
EXT TUBE**

**88393 - 1NCx2-1/2
GR5 BOLT**

**88627 - 5/8NC
LOCK NUT**

**89075 - 1NC
LOCK NUT**

**88395 - 5/
8NCx5 GR5
BOLT**

**237508 - HARROW EXT
BRACKET**

**233288 - SINGLE
MOUNT BRACKET**

**238361 -
PIVOT
BRACKET**

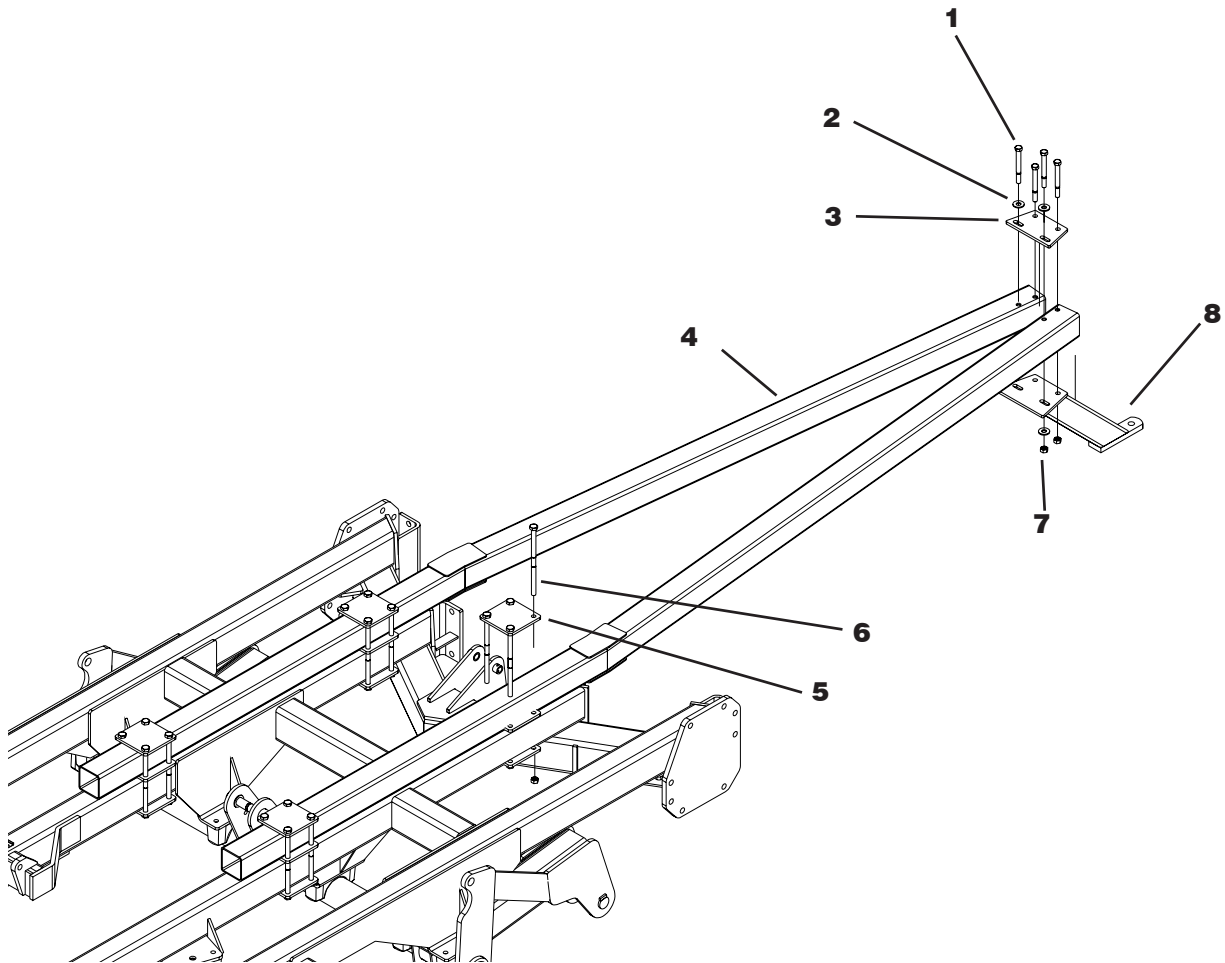
**236190 - HARROW WELD RH
236191 - HARROW WELD LH**

236038 - STUB

**238310 -
PLATE**



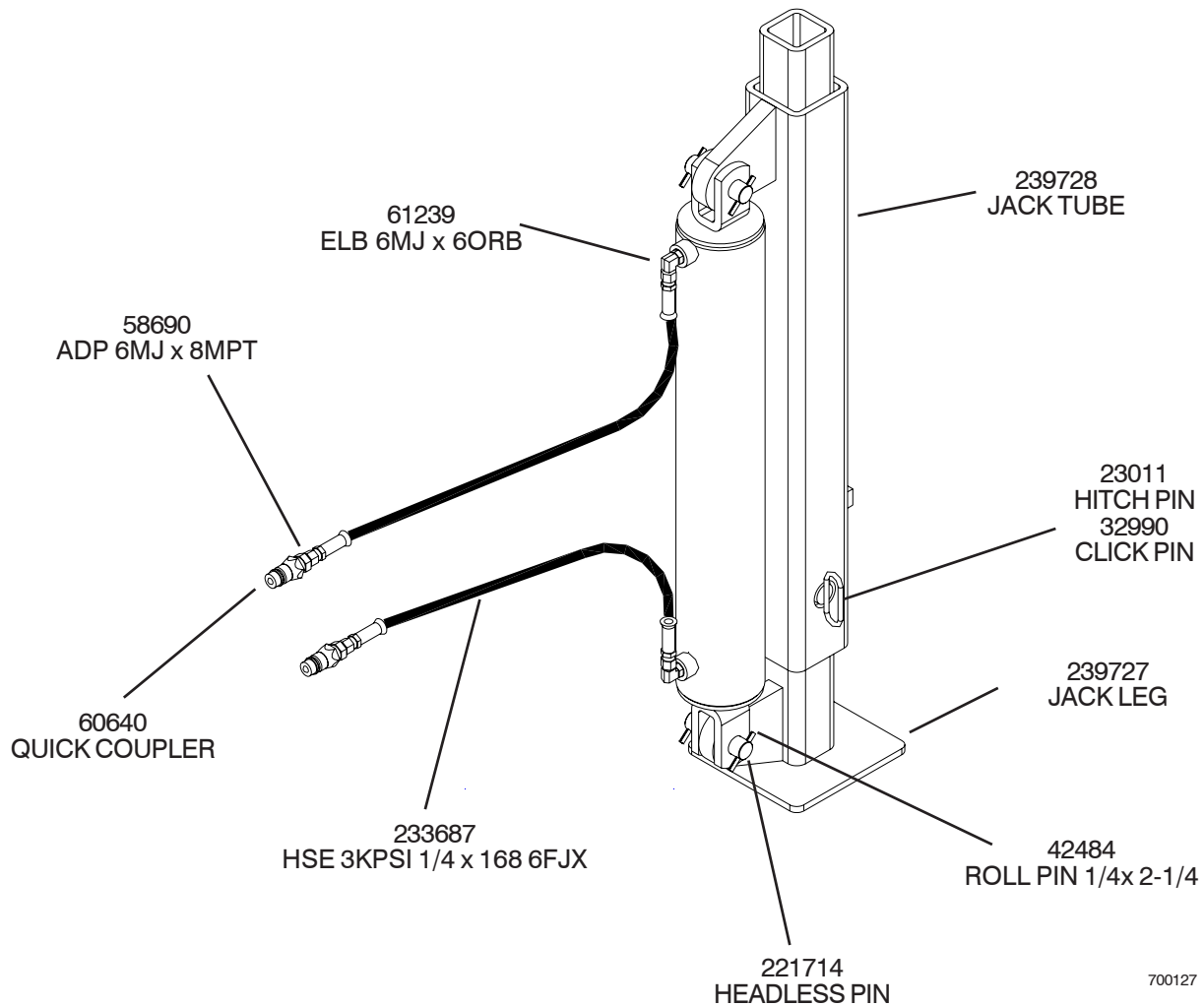
REAR HITCH ASSEMBLY

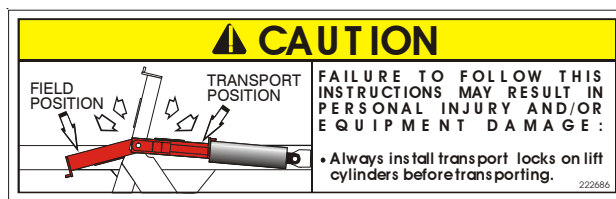


700161

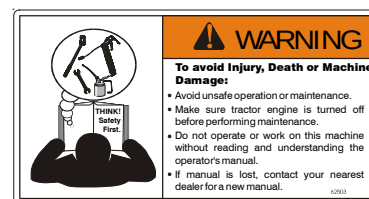
ITEM	PART NO.	DESCRIPTION
1	88335	BLT HEX 3/4-10NCX7 5Z
2	88131	WSHR FLAT 3/4(13/16X2ACT) Z
3	240828	HITCH PLATE
4	240849	TUBE WELD
5	240670	PLATE
6	89356	BLT HEX 3/4-10NC X 14 5Z
7	88356	NUT 2POSLK 3/4-10NC 5Z
8	240851	HITCH WELD

HYD JACK





222686 CHANNEL LOCK DECAL



62503 SERVICE DECAL



62558 HIGH PRESSURE FLUID



62557 GREASE FITTING DECAL



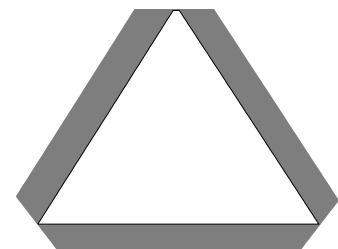
221481 PINCH DECAL



22372 AMBER REFLECTOR



22371 RED REFLECTOR



41345 SMV KIT

LIGHT KIT



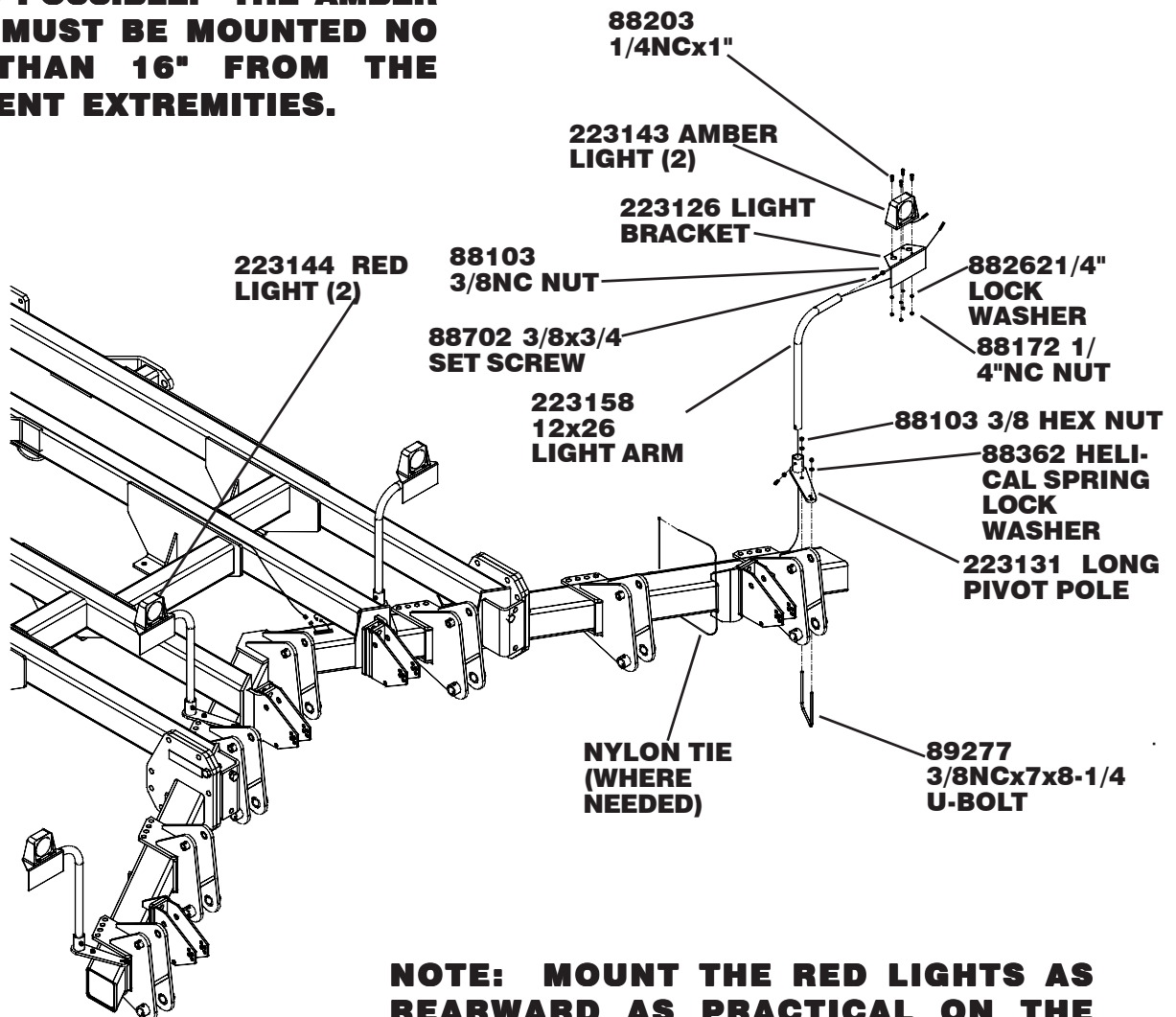
**221141 CLEARANCE
LIGHT PACKAGE**

**64597 35FT HAR-
NESS**

**223145 AG MOD-
ULE**

**223146 WISH-
BONE 4 LEAD**

**NOTE: MOUNT AMBER LIGHTS AS
WIDE AS POSSIBLE. THE AMBER
LIGHTS MUST BE MOUNTED NO
MORE THAN 16" FROM THE
IMPLEMENT EXTREMITIES.**



**NOTE: MOUNT THE RED LIGHTS AS
REARWARD AS PRACTICAL ON THE
CENTER FRAME. SPACE EVENLY 2' TO
5' FROM THE MACHINE CENTER.**

