

FASTTM

AG SOLUTIONS



8200 LIQUID FERTILIZER APPLICATOR PARTS MANUAL





ILLUSTRATED PARTS LIST

Limited Warranty

FAST AG Solutions warrants to the buyer that the new machinery is free from defects in material and workmanship.

This warranty is only effective as to any new machinery which has not been altered, changed, repaired or treated since its delivery to the buyer, other than by FAST AG Solutions or its authorized dealers or employees, and does not apply to accessories, attachments, tools or parts, sold or operated with the new machinery, if they have not been manufactured by FAST AG Solutions.

FAST AG Solutions shall only be liable for defects in the materials or workmanship attributable to faulty material or bad workmanship that can be proved by the buyer, and specifically excludes liability for repairs arising as a result of normal wear and tear of the new machinery or in any other manner whatsoever, and without limiting the generality of the foregoing, excludes application or installation of parts not completed in accordance with this operator's manual, specifications, or printed instructions.

Written notice shall be given by registered mail, to the Manufacturer within seven (7) days after the defect shall have become apparent or the repairs shall have become necessary, addressed as follows:

FAST AG Solutions
4130 Commerce Boulevard
Windom, MN 56101

This warranty shall expire one (1) year after the date of delivery of the new machinery.

If these conditions are fulfilled, FAST AG Solutions shall at its own cost and at its own option either repair or replace any defective parts provided that the buyer shall be responsible for all expenses incurred as a result of repairs, labor, parts, transportation or any other work, unless FAST AG Solutions has authorized such expenses in advance.

The warranty shall not extend to any repairs, changes, alterations, or replacements made to the new equipment other than by FAST AG Solutions or its authorized dealers or employees.

This warranty extends only to the original owner of the new equipment.

Rubber parts (including tires, hoses, grommets) are not warranted.

This warranty is limited to the terms stated herein and is in lieu of any other warranties whether express or implied, and without limiting the generality of the foregoing, excluded all warranties, express or implied or conditions whether statutory or otherwise as to quality and fitness for any purpose of the new equipment. the Manufacturer disclaims all liability for incidental or consequential damages.

This Applicator is subject to design changes and FAST AG Solutions shall not be required to retrofit or exchange items on previously sold units except at its own option.

Warranty void if not registered.



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FAST LIQUID FERTILIZER APPLICATOR

Warranty Registration Form & Inspection Report

Warranty Registration

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Customer Name					
Address					
City		State		Zip	
Phone					
Dealer Name					
Address					
City		State		Zip	
Applicator Model					
Serial Number					
Delivery Date					

DEALER INSPECTION REPORT

- ☐ All Fasteners Tight
- ☐ Wheel Bolts Torqued
- ☐ Hydraulic Hoses and Fittings Free and Tight
- ☐ Fertilizer Hoses and Fittings Free and Tight
- ☐ Wheel Drive Turns Freely
- ☐ Lubricate Machine
- ☐ Check Tire Pressure
- ☐ Frame and Wings Level
- ☐ Monitors and Controllers Function
- ☐ Wiring Harness Connected

SAFETY

- ☐ Safety Chain Installed
- ☐ All Guards Installed
- ☐ All Safety Signs Installed
- ☐ Reflectors, SMV and Lights Clean
- ☐ Review Operating and Safety Instructions

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, safe operation and applicable warranty policy.

Date _____

Dealer's Rep. Signature _____

The above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

Date _____

Owner's Signature _____

White - FAST
Yellow - Dealer
Pink - Customer



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FAST 8200 Series Applicator

APPLICATOR SERIAL NUMBER _____

DATE PURCHASED _____/_____/_____

TANK SIZE _____

NUMBER OF COULTERS _____

PUMP MANUFACTURER:

(CIRCLE ONE)

ACE 205F-304

Hypro HM1



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General Information

All rights, especially copying and distribution rights are reserved. No part of this publication may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission from FAST AG Solutions.

Parts information in this manual represents components installed when product was manufactured based upon the best available information. Modifications made subsequent to initial delivery are not included. Always verify the parts and color required when ordering parts.

If you have any questions, please contact your FAST AG Solutions Parts and Service Department.

Explanation Of Parts Lists

The parts lists are broken down sub assemblies and listed in 4 columns:

- ITEM - These numbers are found on the illustration associated with the parts list.
 - NS- This item is NOT SHOWN, included for reference.
- QTY. - This is the quantity of parts needed in an assembly.
 - AR- The quantity of this item is AS REQUIRED for the location.
- PART NO.- These are the part numbers associated to the ITEM.
- DESCRIPTION - This is the description of the part.



ILLUSTRATED PARTS LIST





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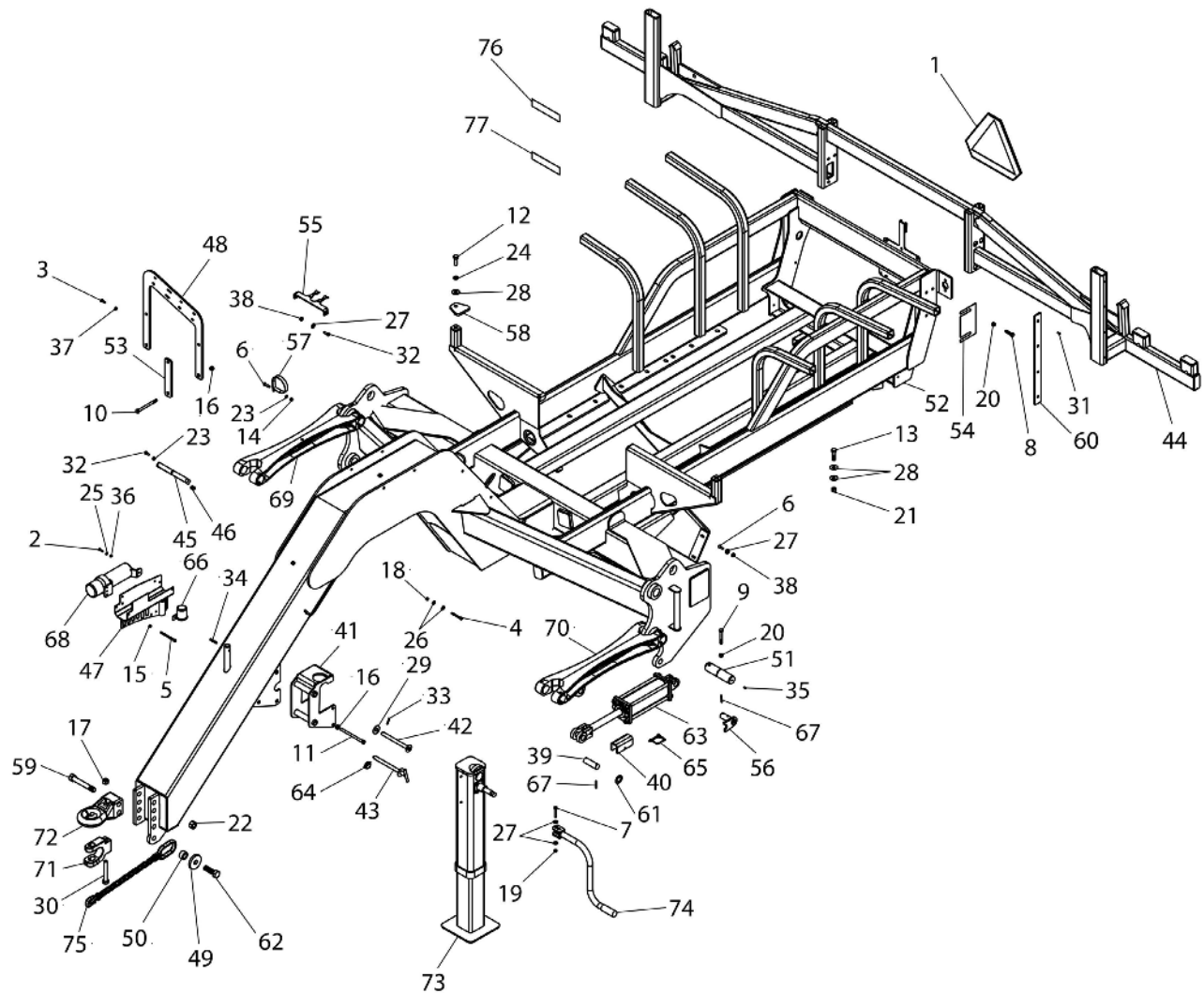
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ILLUSTRATED PARTS LIST

8200 Cart - Welded





ILLUSTRATED PARTS LIST

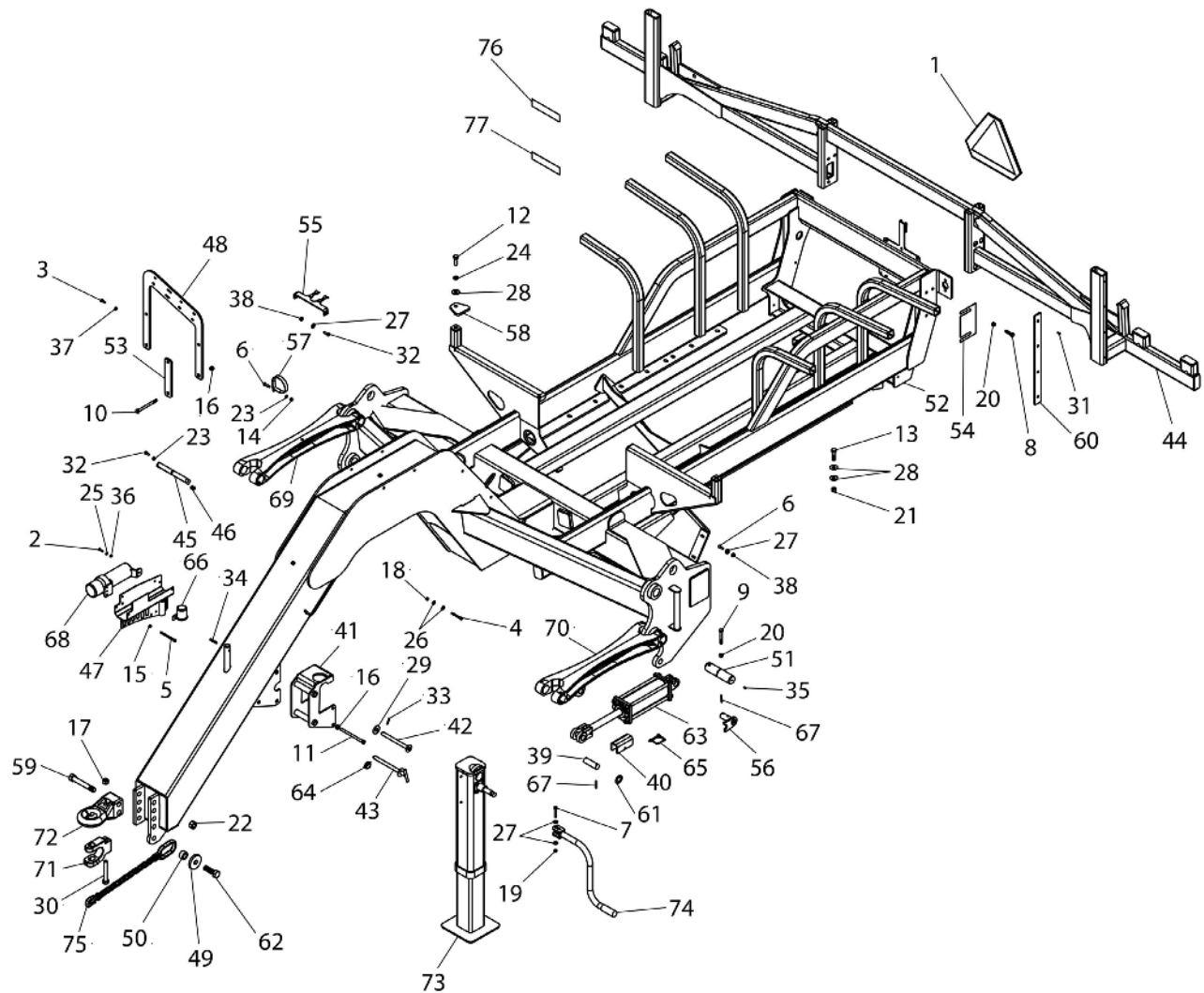
8200 Cart - Welded Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	90SASMV	1	SMV ASSEMBLY
2	102	5	Bolt, 1/2 X 1" Grade 5 ZP
3	115	AR	Bolt 5/16 X 1" Grade 5 ZP
4	119	1	Bolt, 5/16 X 3" Grade 5 ZP
5	122	2	Bolt, 5/16 X 4-1/2" Grade 5 ZP
6	129	2	Bolt, 3/8 X 1-1/2" Grade 5 ZP
7	131	1	Bolt, 3/8 X 2-1/2" Grade 5 ZP
8	154	1	1/2-13 X 2
9	157	8	Bolt, 1/2 X 3-1/2" Grade 5 ZP
10	162	AR	Bolt, 1/2 6" Grade 5 ZP
11	164	2	Bolt, 1/2 X 7" Grade 5 ZP
12	170	2	Bolt, 5/8 X 2" Grade 5 ZP
13	171	6	Bolt, 5/8 X 2-1/2" Grade 5 ZP
14	213	2	Nut, 3/8" ZP
15	228	2	Nut, Nylock, 5/16" ZP
16	231	AR	Nut, Nylock, 1/2" ZP
17	233	1	Nut, Nylock, 3/4" ZP
18	236	1	Nut, Centerlock, 5/16" ZP
19	237	1	Nut, Centerlock, 3/8" ZP
20	239	8	Nut, Centerlock, 1/2" ZP
21	240	6	Nut, Centerlock, 5/8" ZP
22	242	3	Nut, Centerlock, 1" ZP
23	250	4	Washer, Lock, 3/8" ZP
24	253	2	Washer, Lock, 5/8" ZP
25	256	5	1/4" Flat Washer ZP
26	257	2	Washer, 5/16" ZP
27	258	6	Washer, 3/8" ZP
28	261	14	Washer, 5/8" ZP
29	262	1	Washer 3/4" ZP
30	390	1	Bolt, 3/4 X 5-1/2" Grade 8 ZP
31	581	1	Rivet, 1/4" Drive
32	616	4	Bolt, 3/8 X 1-1/4" Grade 5 ZP
33	683	1	Roll Pin, 1/4 X 1-1/2"
34	707	1	Roll Pin, 3/8 X 2"
35	759	10	Zerk, 1/4" Straight Pipe
36	767	5	Nut, Whiz, 1/4" ZP
37	768	AR	Nut, Whiz, 5/16" ZP
38	769	4	Nut, Whiz, 3/8" ZP
39	15158	2	Pin, Main Lift
40	15159	2	5" Cylinder Stop
40	590205	2	3/4" Cylinder Stop
40	590206	2	1" Cylinder Stop
40	590207	2	1-1/4" Cylinder Stop
40	590208	2	1-1/2" Cylinder Stop
41	15430	1	Jack Holder Weldment



ILLUSTRATED PARTS LIST

8200 Cart - Welded





ILLUSTRATED PARTS LIST

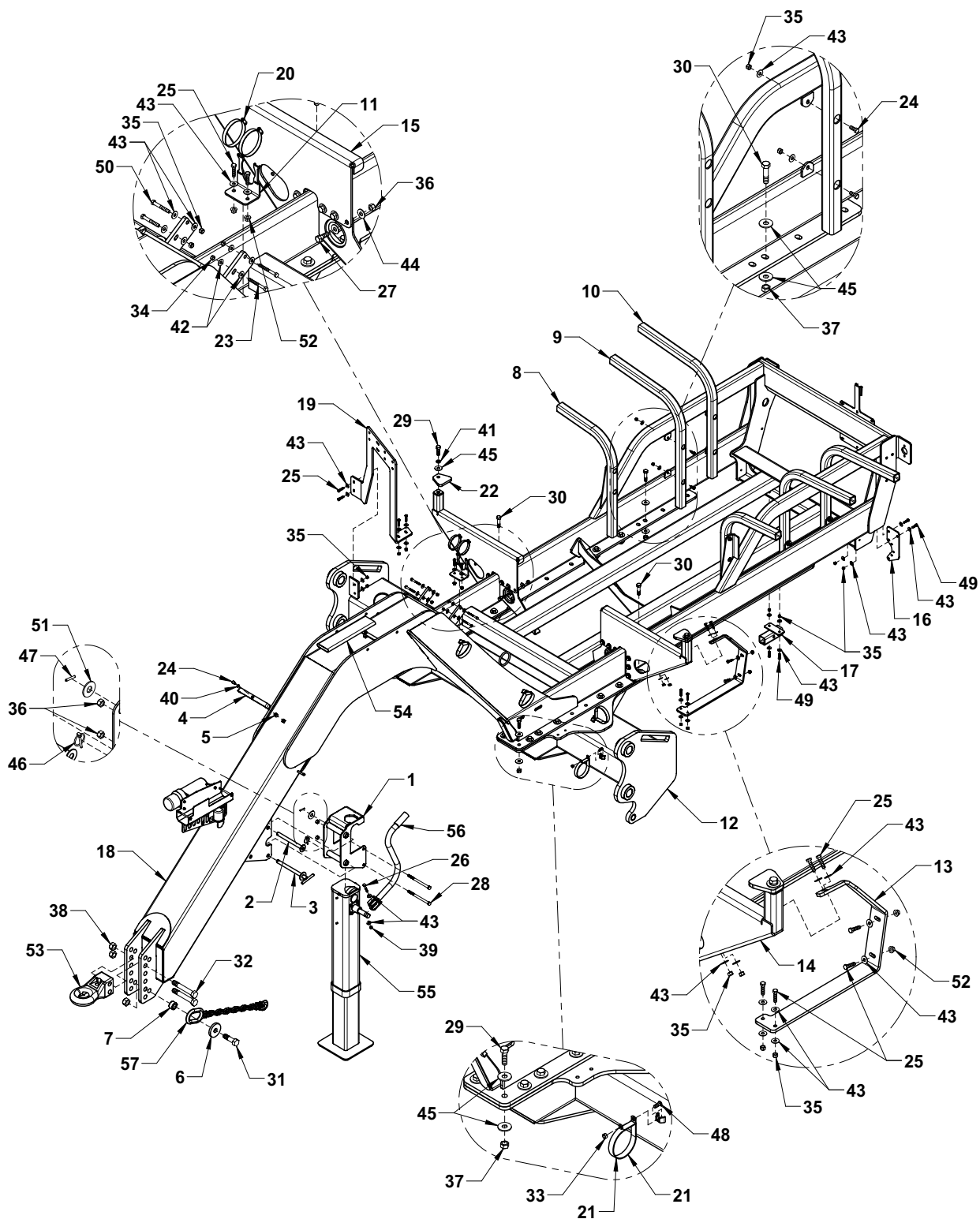
8200 Cart - Welded Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
42	15437	1	3/4" Link Pin
43	15440	1	Pin, Jack, Removable
44	15480	AR	Transport Rack, Standard
44	15485	AR	Transport Rack, 132" Wheels
45	15558	2	Bracket, Hose
46	15566	2	Tube, Spacer
47	15810	1	Hose Holder Weldment
48	15814	AR	Plate, Ball Valve Mount
49	15829	1	Plate, Safety Chain Washer
50	15835	1	DOM, Safety Chain Spacer
51	15848	1	Pin, Liftarm Casting
52	16892	AR	1800 Gallon Fertilizer Cart
NS	15300	AR	2400 Gallon Fertilizer Cart
53	16905	AR	Plate, Bolt Through
54	18086	AR	Plate, Shim
55	18397	1	Mount, Flow Meter
56	18445	2	Anti Rotation Pin
57	540053	2	P-Clamp, 4" With .38" Hole
58	590023	2	1/2" UHMW Hold Down Tab
59	590153	2	Bolt, 1 X 6-3/4" Grade 5 ZP
60	590170	1	Plate, Bump
61	590218	4	Washer, 1-1/4" 14GA ZP
62	590226	1	1 X 3-1/4" Grade 5 ZP
63	620073	2	Cylinder, 4 X 10
64	710005	1	Lynch Pin, 1/4 X 1-3/4" ZP
65	720001	2	Snap Pin
66	740018	1	Light Harness Holder
67	750033	6	5MM X 50MM Spring Pin ZP
68	750048	1	Manual Holder
69	750051M	2	Upper Liftarm Casting
70	750052M	2	Lower Liftarm
71	790002	1	Hitch, CAT 4, Bottom
72	790004	1	Hitch, CAT 4, Top
73	790045	1	Jack, Jost, 25,000 LB Lifting
74	790046	1	Handle, Jost Jack
75	790050	1	Chain, Safety, 30,000 LB
76	800109	2	Decal, Red Reflector
77	800111	2	Decal, Orange Reflector



ILLUSTRATED PARTS LIST

8200 Cart - Bolted





ILLUSTRATED PARTS LIST

8200 Cart - Bolted Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	15430	1	JACK HOLDER WELDMENT
2	15437	1	PIN, JACK LINKAGE
3	15440	1	PIN, JACK LOCK
4	15558	2	BRACKET, HOSE
5	15566	2	SPACER, HOSE BRACKET
6	15829	1	WASHER PLATE, SAFETY CHAIN
7	15835	1	BUSHING, SAFETY CHAIN SPACER
8	18183	2	TUBE, SUPPORT, FENDER
9	18184	2	TUBE, SUPPORT, FENDER
10	18185	2	TUBE, SUPPORT, FENDER
11	22218	1	BRACKET, FLOW METER
12	22221	1	PLINK MOUNT WLDMT
13	22241	1	MOUNT, BOLT ON PUMP
14	22242L	1	LH WELDMENT, TANK SUPPORT
15	22242R	1	RH WELDMENT, TANK SUPPORT
16	22253	1	PLATE, QUICK FILL VALVE MOUNT
17	22625	1	TOOLBOX MOUNT WLDMT.
18	22630	1	CART, LARGE BOLT TOGETHER
19	26992	AR	PLATE, VALVE MOUNT
20	540020	2	CLAMP, 3-1/2" SS
21	540053	6	P-CLAMP, 4" W /3/8" HOLE
22	590023	2	TAB, HOLD DOWN
23	596119M	2	BOLT, HH 5/16-18X3 GR5 MAGNI
24	596128M	14	BOLT, HH 3/8-16 X 1 GR5 MAGNI
25	596129M	12	BOLT, HH 3/8-16X1-1/2 GR5 MAGNI
26	596131M	1	BOLT, HH 3/8-16X2-1/2 GR5 MAGNI
27	596153M	12	BOLT, HH 1/2-13X1-1/2 GR5 MAGNI
28	596164M	2	BOLT, HH 1/2X7 GR5 MAGNI
29	596170M	28	BOLT, HH 5/8-11X2 GR5 MAGNI
30	596171M	8	BOLT, HH 5/8-11X2.5 GR5 MAGNI
31	596201M	1	BOLT, HEX 1-8X3-1/2 GR5 MAGNI
32	596208M	2	BOLT, HH 1-8X6-3/4 GR5 MAGNI
33	596213M	6	NUT, HEX 3/8" MAGNI
34	596228M	2	NUT, HEX NYLOCK 5/16-18 MAGNI

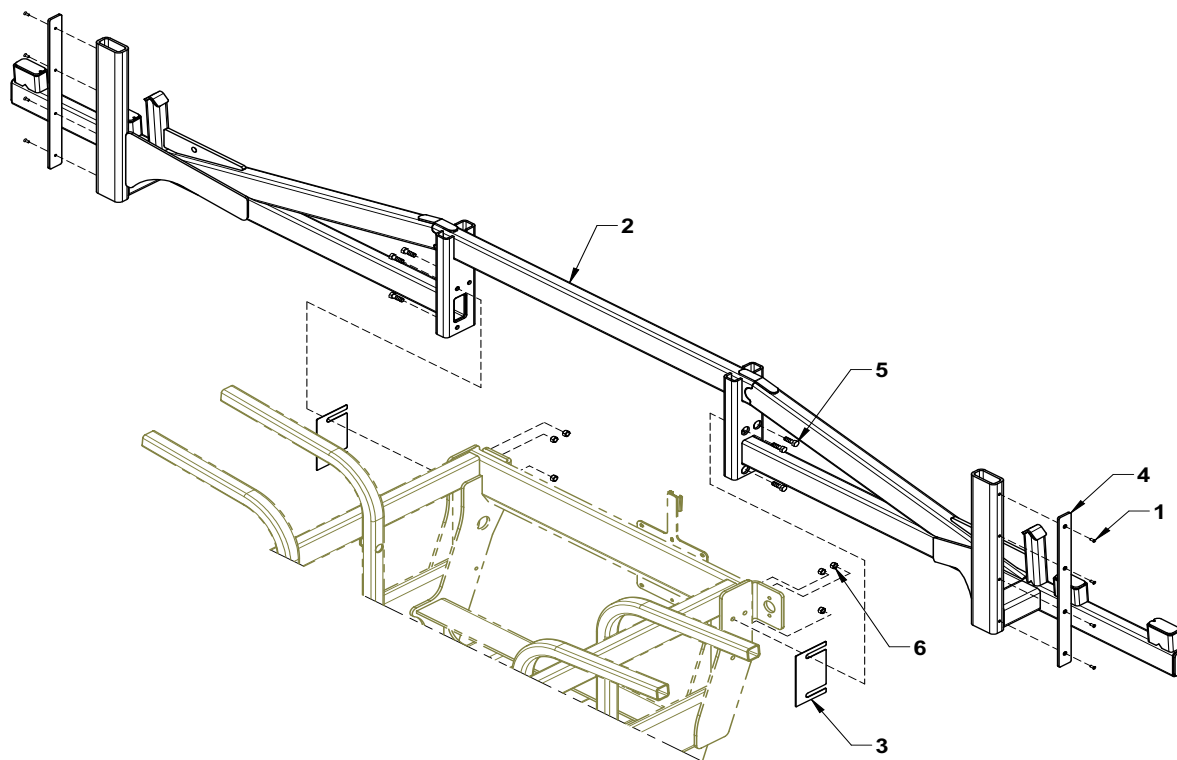


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8200 Cart - Bolted Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
35	596229M	26	NUT, HEX NYLOCK 3/8-16 MAGNI
36	596231M	14	NUT, HEX NYLOCK 1/2-13 MAGNI
37	596232M	34	NUT, HEX NYLOCK 5/8-11 MAGNI
38	596234M	3	NUT, HEX NYLOCK 1-8 MAGNI
39	596237M	1	NUT, CENTERLOCK 3/8 MAGNI
40	596250M	8	LOCKWASHER 3/8 MAGNI
41	596253M	2	WASHER, LOCK 5/8 MAGNI
42	596257M	4	WASHER, FLAT 5/16 USS MAGNI
43	596258M	46	WASHER, FLAT 3/8 MAGNI
44	596260M	24	WASHER, FLAT 1/2" MAGNI
45	596261M	70	WASHER, FLAT 5/8 MAGNI
46	596296M	1	LYNCH PIN, 1/4 X 1-3/4 MAGNI
47	596299M	1	ROLL PIN, 1/4 X 1-1/2"
48	596592M	6	BOLT, CARR., 3/8-16 X 1" MAGNI
49	596635M	4	BOLT, HH 3/8-16 X 1-1/4 MAGNI
50	596637M	2	BOLT, HH 3/8-16X2-3/4GR5 MAGNI
51	596738M	1	MACHINED BUSHING 3/4" 10GA
52	596769M	4	NUT, HEX FLANGE 3/8-16 MAGNI
53	790004	1	HITCH, CAT 4, TOP
54	790018	1	HOSE SLEEVE
55	790045	1	JACK, JOST, 25,000 LB LIFTING
56	790046	1	HANDLE, JOST JACK
57	790050	1	CHAIN, SAFETY, 30,000LB
NS	21800	AR	BUSHING, HARDENED PRESS IN
NS	21802	AR	TRIPLE LUG P-LINK MOUNT
NS	22217	AR	PLATE, VALVE MOUNT
NS	23385	AR	PIN, MAIN LIFT BASE TRIPLE LUG

8200 Transport Rack



8200 Transport Rack Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	581	8	RIVET, 1/4" DRIVE
2	15480	1	TRANSPORT RACK, STANDARD
3	18086	2	PLATE, SHIM
4	590170	2	PLATE, BUMP
5	596153M	6	BOLT, HH 1/2-13X1-1/2 GR5 MAGNI
6	596239M	6	NUT, CENTERLOCK, 1/2-13 MAGNI



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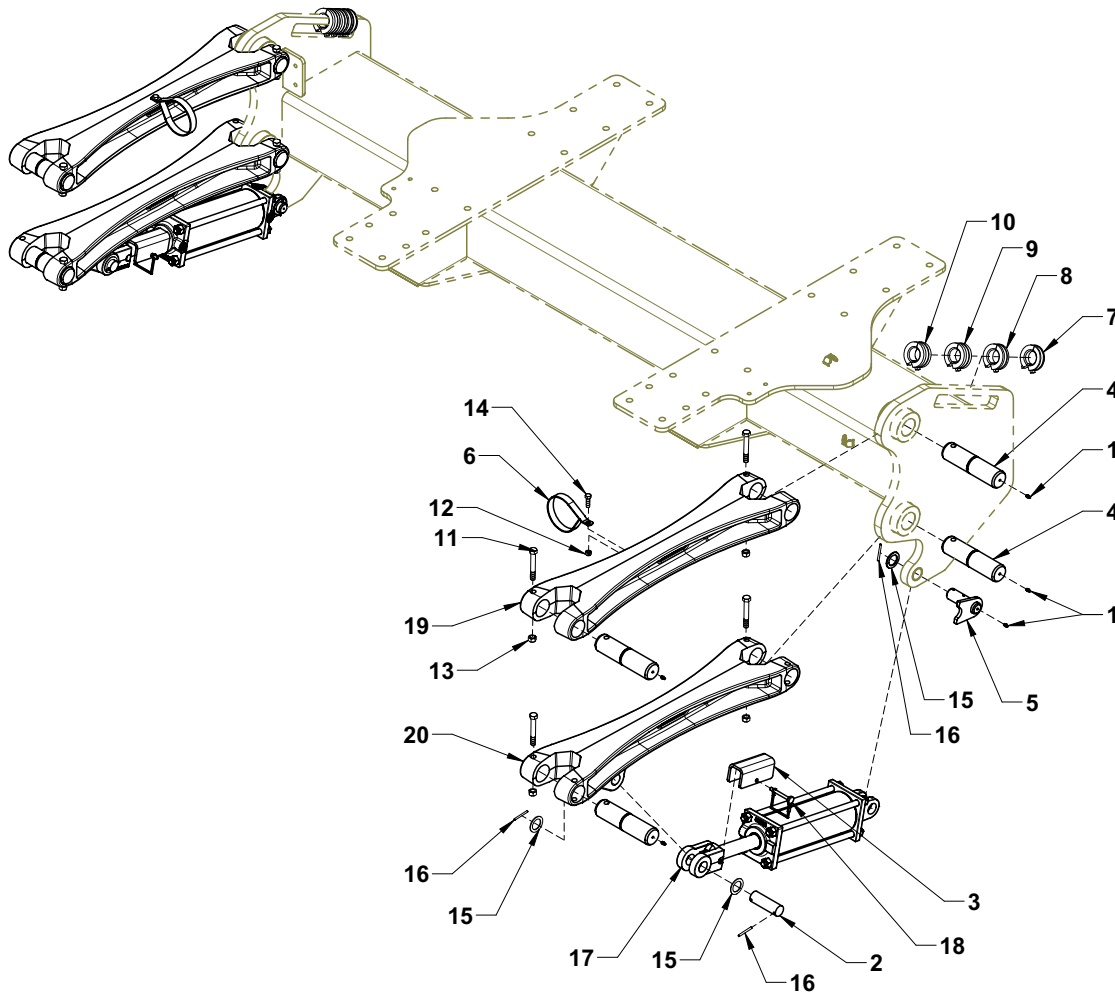


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8200 Parallel Links





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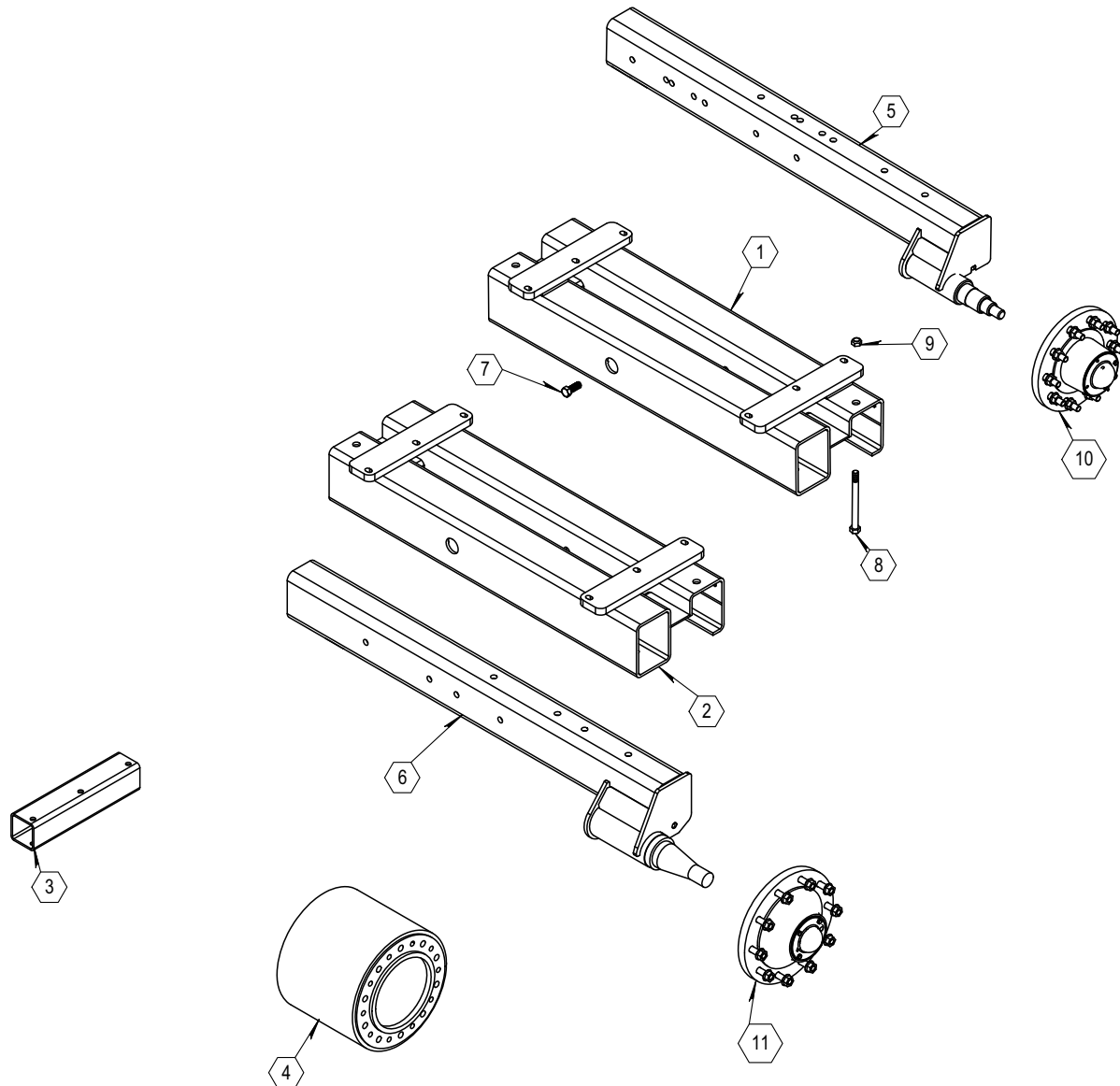
8200 Parallel Links Parts List

NO.	PART	QTY.	DESCRIPTION
1	759	10	ZERK, 1/4" STRAIGHT PIPE
2	15158	2	PIN, MAIN LIFT
3	15159	2	5" CYLINDER STOP
4	15848	8	PIN, CAST LIFTARM
5	18445	2	ANTI ROTATION PIN
6	540053	2	P-CLAMP, 4" W /3/8" HOLE
7	590205	2	3/4" CYLINDER STOP
8	590206	2	1" CYLINDER STOP
9	590207	2	1-1/4" CYLINDER STOP
10	590208	2	1-1/2" CYLINDER STOP
11	596157M	8	BOLT, HH 1/2X3-1/2 GR5 MAGNI
12	596237M	2	NUT, CENTERLOCK 3/8 MAGNI
13	596239M	8	NUT, CENTERLOCK, 1/2-13 MAGNI
14	596635M	2	BOLT, HH 3/8-16 X 1-1/4 MAGNI
15	596744M	6	BUSHING, MACHINED, 1-1/4 X 14 GA MAGNI
16	596746M	6	SPRING PIN 5X50MM MAGNI
17	620073	2	CYLINDER, 4 X 10
	620091	AR	CYLINDER, 4.5 X 10"
18	720001	2	SNAP PIN, 5/16
19	750051M	2	UPPER LIFTARM CASTING
20	750052M	2	LOWER LIFTARM



ILLUSTRATED PARTS LIST

Adjustable Wheel Axle





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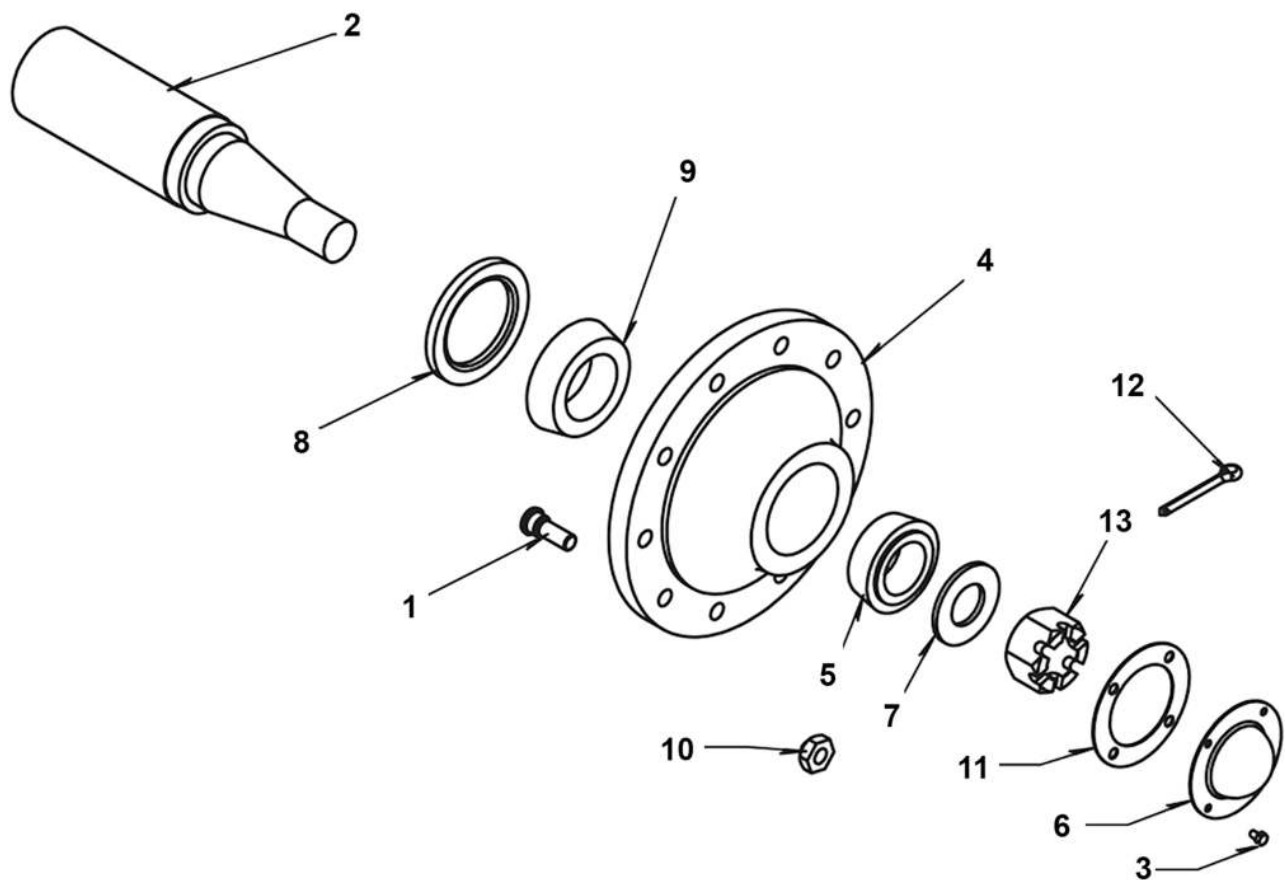
Adjustable Wheel Axle Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	13512	AR	RECEIVER, SINGLE AXLE
2	16061	AR	RECEIVER, DUAL AXLE
3	16457	AR	TUBE, 4" AXLE RISER
4	71 0030	AR	SPACER, DUAL, 13.75"
	71 0031	AR	SPACER, DUAL, 5"
	71 0032	AR	SPACER, DUAL, 7"
	710029	AR	SPACER DUAL, 12.58"
5	13518	AR	15K ADJUSTABLE SINGLE AXLE, 62-120"
	13752	AR	15K ADJUSTABLE SINGLE AXLE, 72-144"
	27106	AR	15K ADJUSTABLE SINGLE AXLE, 45-76CM
6	18386	AR	20K ADJUSTABLE SINGLE AXLE, 72-144"
	18432	AR	20K ADJUSTABLE SINGLE AXLE, 80-120"
	27109	AR	20K ADJUSTABLE DUAL AXLE, 50-76CM
	27129	AR	20K ADJUSTABLE SINGLE AXLE, 45-76CM
7	596184M	AR	BOLT, HH 3/4X2 GR5 MAGNI
8	596488M	AR	BOLT, HH 3/4-10 X 8-1/2 MAGNI
9	596626M	AR	NUT, TOPOCK 3/4-10 MAGNI
10	730010ASSY	AR	HUB PKG 15K Q873
11	730029ASSY	AR	HUB PKG 20K Q881 W -LONG STUDS



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N873 Hub Assembly, 10 Bolt



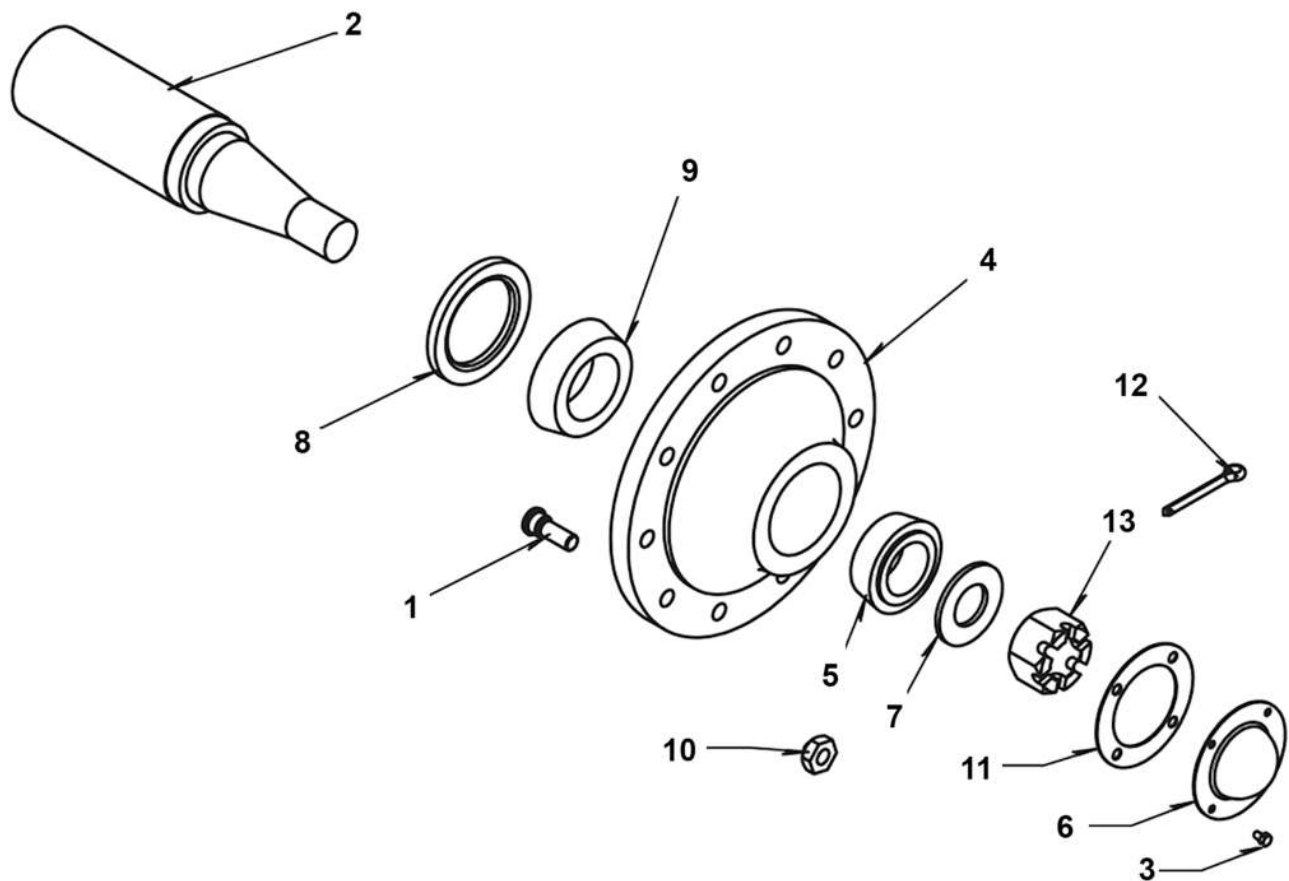


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N873 Hub Assembly, 10 Bolt Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	730110	1	N873 HUB ASSEMBLY COMPLETE (ITEMS 1-13)
1	54101216	10	WHEEL STUD
2	730111	1	SPINDLE, 18500 LB
3	730017	4	5/16 x 1/2" BOLT
4	730110	1	N873 Hub Package, 18.5k
5	130012	1	FRONT BEARING
6	730072	1	HUB CAP
7	730018	1	WASHER
8	730013	1	SEAL
9	730011	1	REAR BEARING
10	730051	10	LUG NUT
11	730016	1	HUB CAP SEAL
12	COTTER PIN	1	COTTER PIN
13	730014	1	2" CASTLE NUT

Q881 Hub Assembly, 10 Bolt



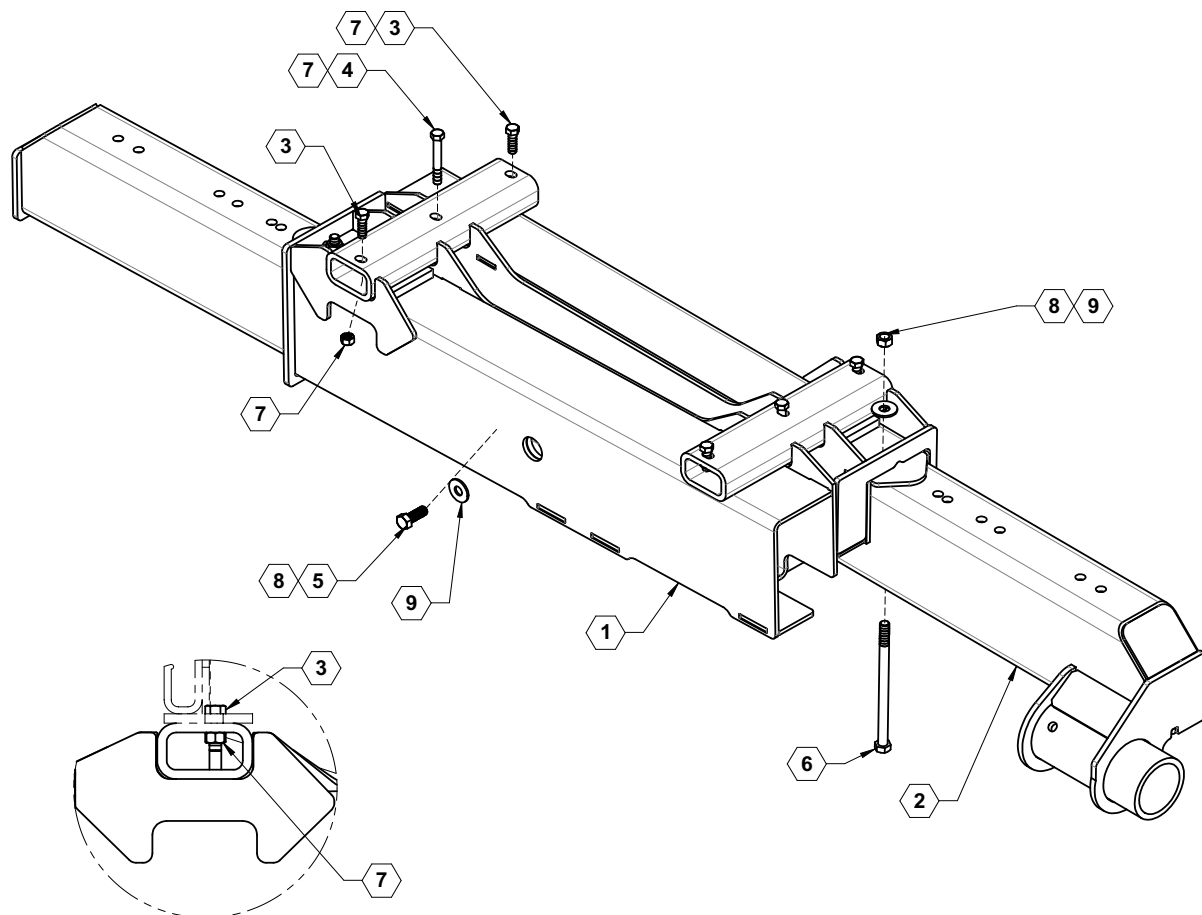


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Q881 Hub Assembly, 10 Bolt Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	730029	1	Q881 HUB ASSEMBLY COMPLETE (ITEMS 1-13)
1	NI953035	10	WHEEL STUD
2	730007	1	SPINDLE, 20000 LB
3	730017	4	5/16 x 1/2" BOLT
4	730029	1	Q881 Hub Package, 20k
5	730037	1	FRONT BEARING
6	730039	1	HUB CAP
7	730040	1	WASHER
8	730041	1	SEAL
9	730043	1	REAR BEARING
10	730051	10	LUG NUT
11	730061	1	HUB CAP SEAL
12	COTTER PIN	1	COTTER PIN

Adjustable Track Axle



DETAIL A

Adjustable Track Axle Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	23955	1	AXLE RECEIVER
2	23958	AR	80-120" ADJUSTABLE AXLE
	26312	AR	84-144" ADJUSTABLE AXLE
	26994	AR	45-76CM ADJUSTABLE AXLE
3	596170M	4	BOLT, HH 5/8-11X2 GR5 MAGNI
4	596177M	2	BOLT, HH 5/8-11X4.5 GR5 MAGNI
5	596184M	2	BOLT, HH 3/4X2 GR5 MAGNI
6	596210M	2	BOLT, 3/4-10 X 12 GR5 MAGNI
7	590189M	6	NUT, TOPLOCK 5/8-11 MAGNI
8	596626M	4	NUT, TOPOCK 3/4-10 MAGNI
9	596259M	4	WASHER, FLAT 3/4 MAGNI



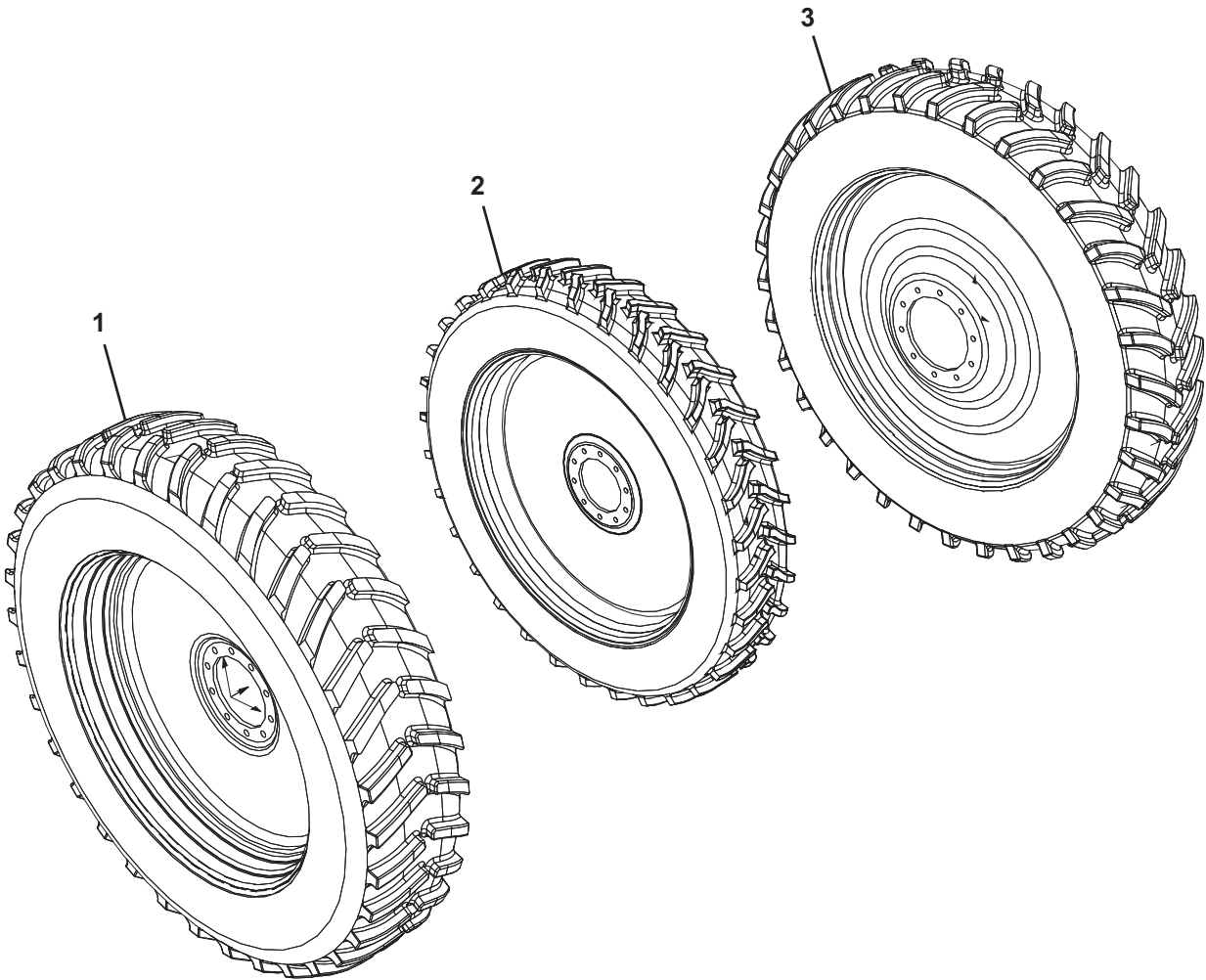
ILLUSTRATED PARTS LIST





ILLUSTRATED PARTS LIST

Tire and Rim





ILLUSTRATED PARTS LIST

Tire and Rim Parts List

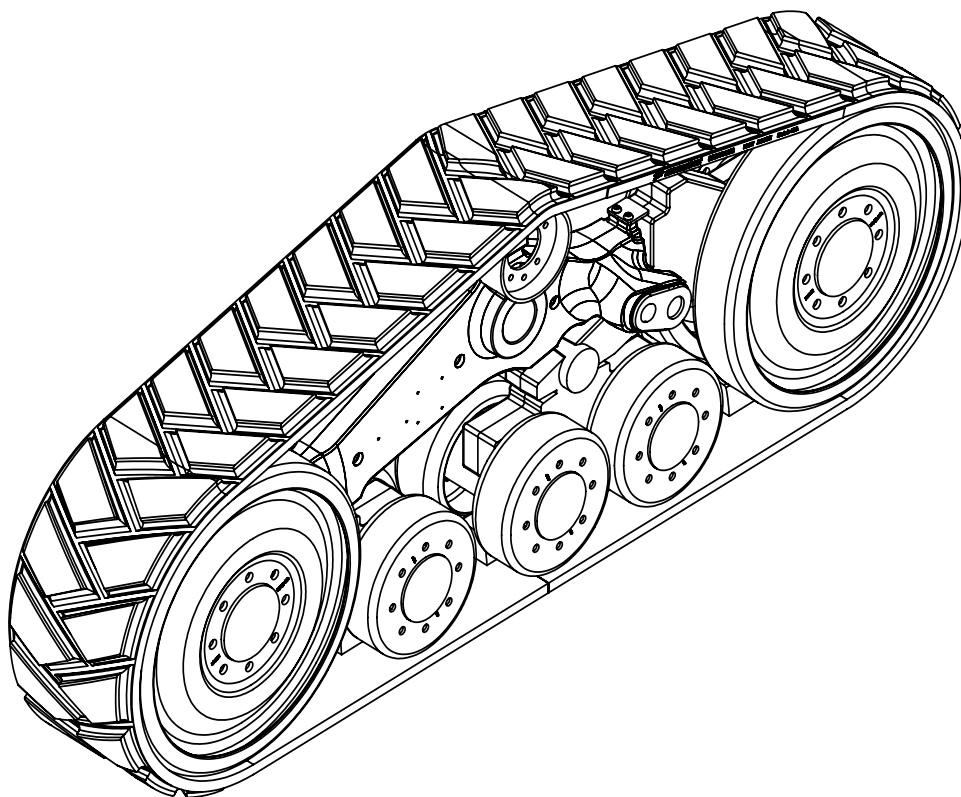
ITEM	PART NO.	QTY. 8218	QTY. 8224	DESCRIPTION
1	700088	1 Opt.	1	480/80R50 LR176 Tire/Wheel Yellow LH
1	700086	1 Opt.	1	480/80R50 LR176 Tire/Wheel Silver LH
1	700087	1 Opt.	1	480/80R50LR176 Tire/Wheel Yellow RH
1	700085	1 Opt.	1	480/80R50LR176 Tire/Wheel Silver RH
2	700003	1		380/90R46 LR149 Tire/Wheel Yellow LH
2	700000	1		380/90R46 LR149 Tire/Wheel Silver LH
2	700002	1		380/90R46 LR149 Tire/Wheel Yellow RH
2	700001	1		380/90R46 LR149 Tire/Wheel Silver RH
3	700020	2 Opt.	2 Opt.	380/90R46 LR 149 Tire/Wheel Yellow Dual LH
3	700034	2 Opt.	2 Opt.	380/90R46 LR 149 Tire/Wheel Silver Dual LH
3	700021	2 Opt.	2 Opt.	380/90R46 LR 149 Tire/Wheel Yellow Dual RH
3	700035	2 Opt.	2 Opt.	380/90R46 LR 149 Tire/Wheel Silver Dual RH

Consult factory for other tire sizes.



ILLUSTRATED PARTS LIST

Camso Tracks



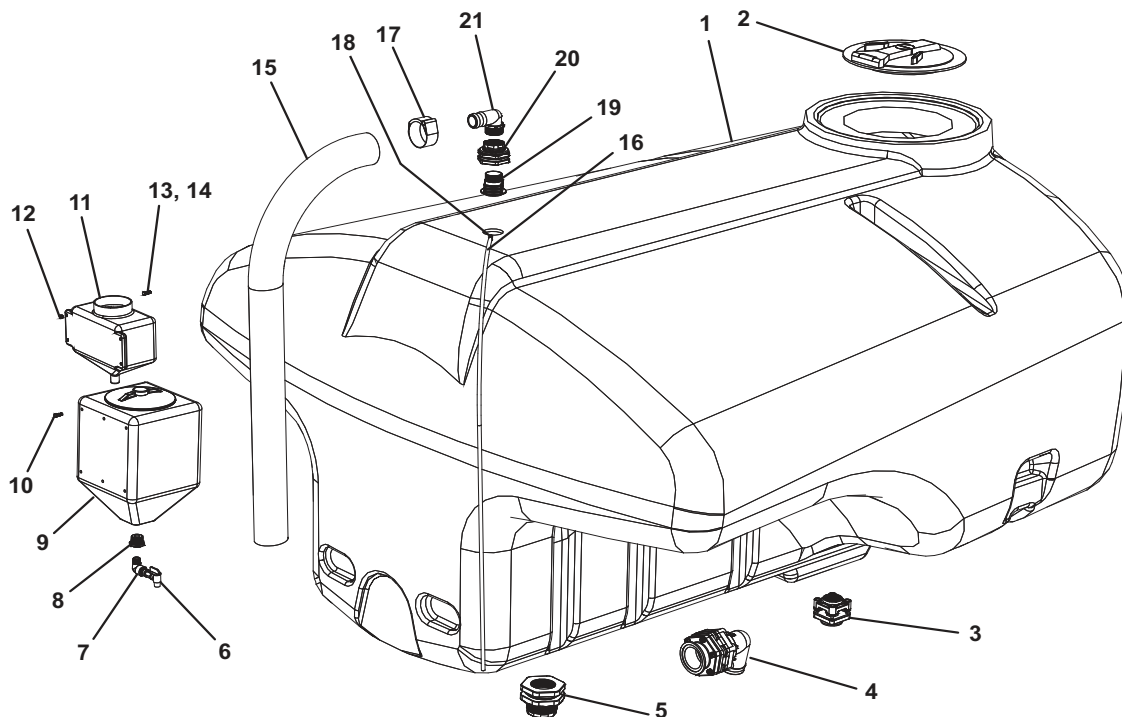
Camso Tracks Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	700206	AR	CAMSO TTS 40-1511, SILVER



ILLUSTRATED PARTS LIST

1800-2400 Tank



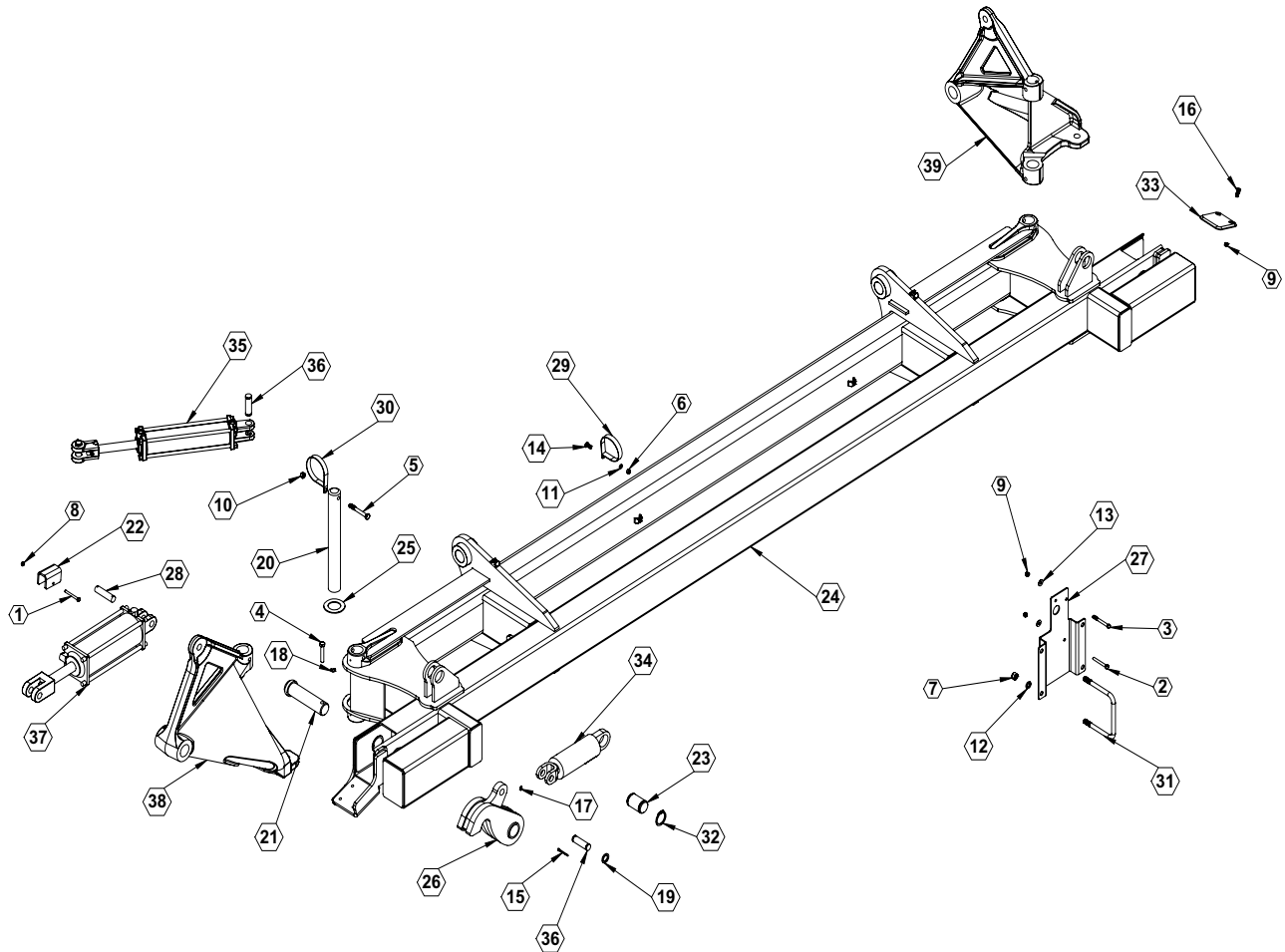
1800-2400 Tank Parts List

ITEM	PART NO.	QTY. 8218	QTY. 8224	DESCRIPTION
NS	570089	1		Tank 1800 Gallon Yellow
NS	570088	1		TANK 1800 GALLON WHITE
NS	570091		1	TANK 2400 GALLON YELLOW
NS	570090		1	TANK 2400 GALLON WHITE
2	570070	1	1	LID ASSEMBLY
3	530116			FITTING TANK (BJMBF150200BD)
3	530350	1	1	FITTING TANK (BJMBF222BD)
4	90SASUMP96			SUMP FITTING W/ELBOW
5	530164	1	1	3 INCH POLYPRO TANK FLANGE ASSEMBLY
6	510022	1	1	HOSE 3/4 FLO-RITE FAUCET CLEAR
7	530151	1	1	3/4 INCH POLY STREET ELBOW - 90°
8	530143	1 Used On 10 Gallon Option		BUSHING REDUCER 1-1/4 TO 3/4" NPT
NS	570092	1 Used On 10 Gallon Option		TANK 10 GALLON RINSE WHITE
10	114	1 Used On 10 Gallon Option		BOLT HEX HEAD 5/16 X 3/4" GRADE 5 ZP
11	570038	1	1	TANK 2.5 GALLON RINSE YELLOW
NS	570044			TANK 2.5 GALLON RINSE WHITE
12	228	4	4	HUT HEX NYLOCK ZP
13	257	4	4	WASHER FLAT 5/16" ZP
14	116	4	4	BOLT HEX HEAD 5/16 X 1-1/2" GRADE 5 ZP
15	510025	7 Ft	7 Ft	HOSE OVERFLOW 2"
16	510023	18 Ft	18 Ft	BURP TUBE PUMP
17	540007	1	1	CLAMP, HOSE 2" T-BOLT
18	530004	1	1	1/4" X 1/4" MALE ELBOW
19	530331	1	1	2" VENT CAP WITHOUT SCREEN
20	530163	1	1	2" POLY TANK FITTING
21	530051	1	1	2" MPT X 2" HOSE SHANK - 90



ILLUSTRATED PARTS LIST

Center Wing Section



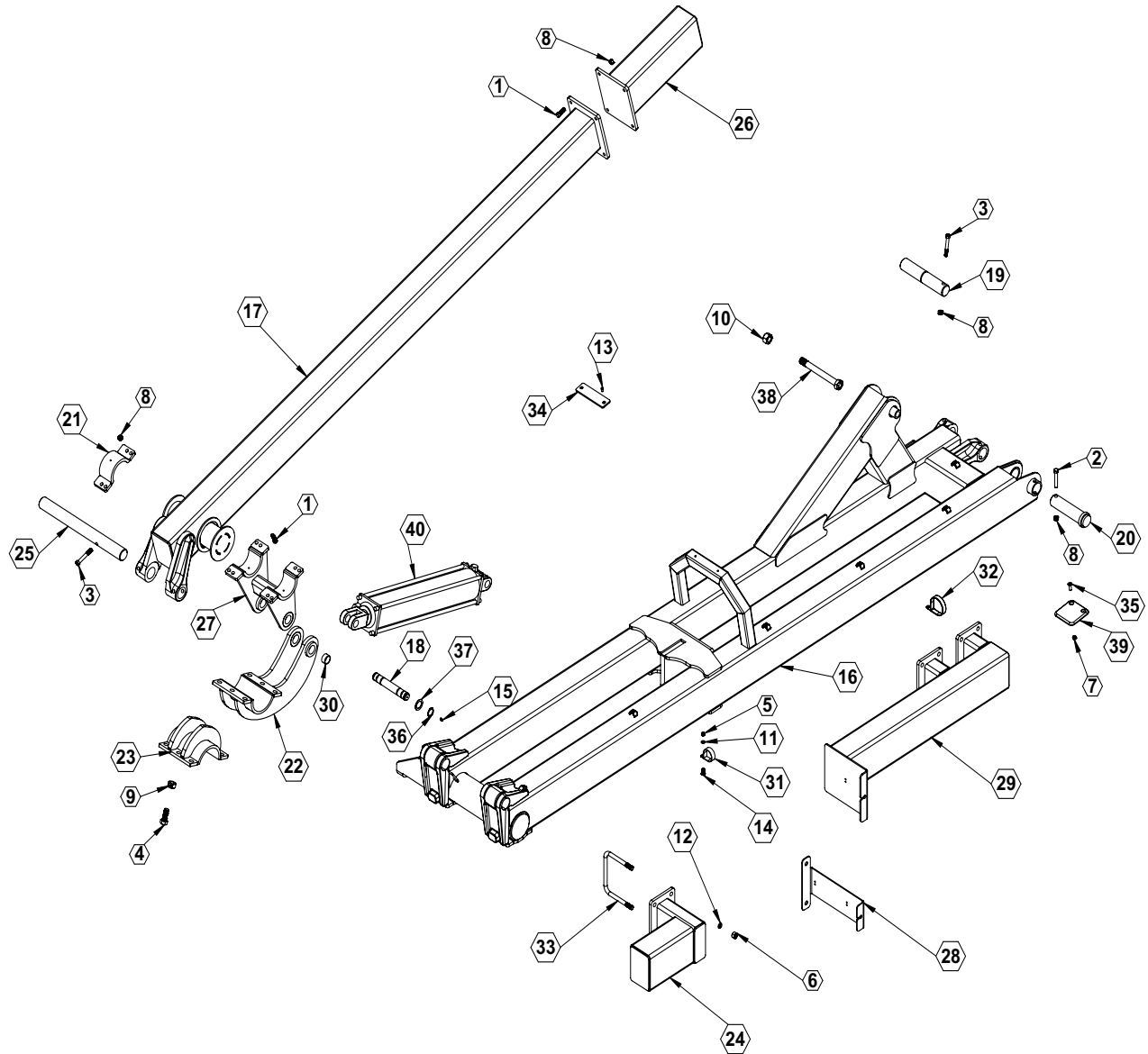


ILLUSTRATED PARTS LIST

Center Wing Section Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	119	1	BOLT, 5/16 X 3" GR5
2	132	1	BOLT, 3/8 X 3" GR5
3	133	1	BOLT, 3/8-16 X 3-1/2"
4	156	2	BOLT, 1/2 X 3" GRADE 5 ZP
5	158	1	BOLT, 1/2 X 4" GR5
6	213	1	NUT, 3/8" ZP
7	216	1	NUT, 5/8" ZP
8	236	1	NUT, CENTERLOCK, 5/16-18
9	237	3	NUT, CENTERLOCK, 3/8" ZP
10	239	3	NUT HEX HEAD 1/2" CENTERLOCK ZP
11	250	1	WASHER, LOCK, 3/8" ZP
12	253	1	WASHER, LOCK, 5/8" ZP
13	258	2	WASHER, FLAT 3/8"
14	592	1	BOLT, CARRIAGE, 3/8 X 1" GRADE 5 ZP
15	624	1	PIN, COTTER, 3/16 X 2"
16	721	1	BOLT FLAT HEAD 3/8 X 1-1/4 SS
17	759	1	ZERK, 1/4" STRAIGHT PIPE
18	761	1	ZERK, 90~, 1/4" STRAIGHT PIPE
19	787	1	WASHER, 1" ID X 10GA
20	15045	1	PIN, MAIN HINGE
21	15155	2	PIN, LATCH
22	15169	1	WING KICK CYLINDER STOP
23	15179	1	PIN, LATCH CYL BASE
24	15276	1	CENTER SECTION WLDMNT
25	15277	1	STAINLESS STEEL WASHER
26	15630	1	LATCH WLDMNT
27	16461	1	MOUNT, HYDRAULIC BLOCK
28	23658	1	PIN, CYLINDER, 1 X 3-7/8" ETD
28	620072	2	PIN, CYLINDER, 1 X 3-3/8"
29	540053	1	P-CLAMP, 4" W/3/8" HOLE
30	540054	1	P-CLAMP, 4" W/1/2" HOLE
31	590061	1	U-BOLT 5/8 X 5 X 7"
32	590215	1	SNAP RING, 2"
33	590265	1	PLATE, WEAR
34	620026	1	CYLINDER LATCH (PMI0003) 3004-150
35	620028	1	CYLINDER WING SWING (MI648990) 30TD12-112
36	23658	1	PIN, CYLINDER, 1 X 3-7/8" ETD
37	620087	1	CYLINDER 4.5 X 10"
38	750077	1	RH CAST FLEX HINGE
39	750078	1	LH CAST FLEX HINGE

Inner and Outer Wing Section



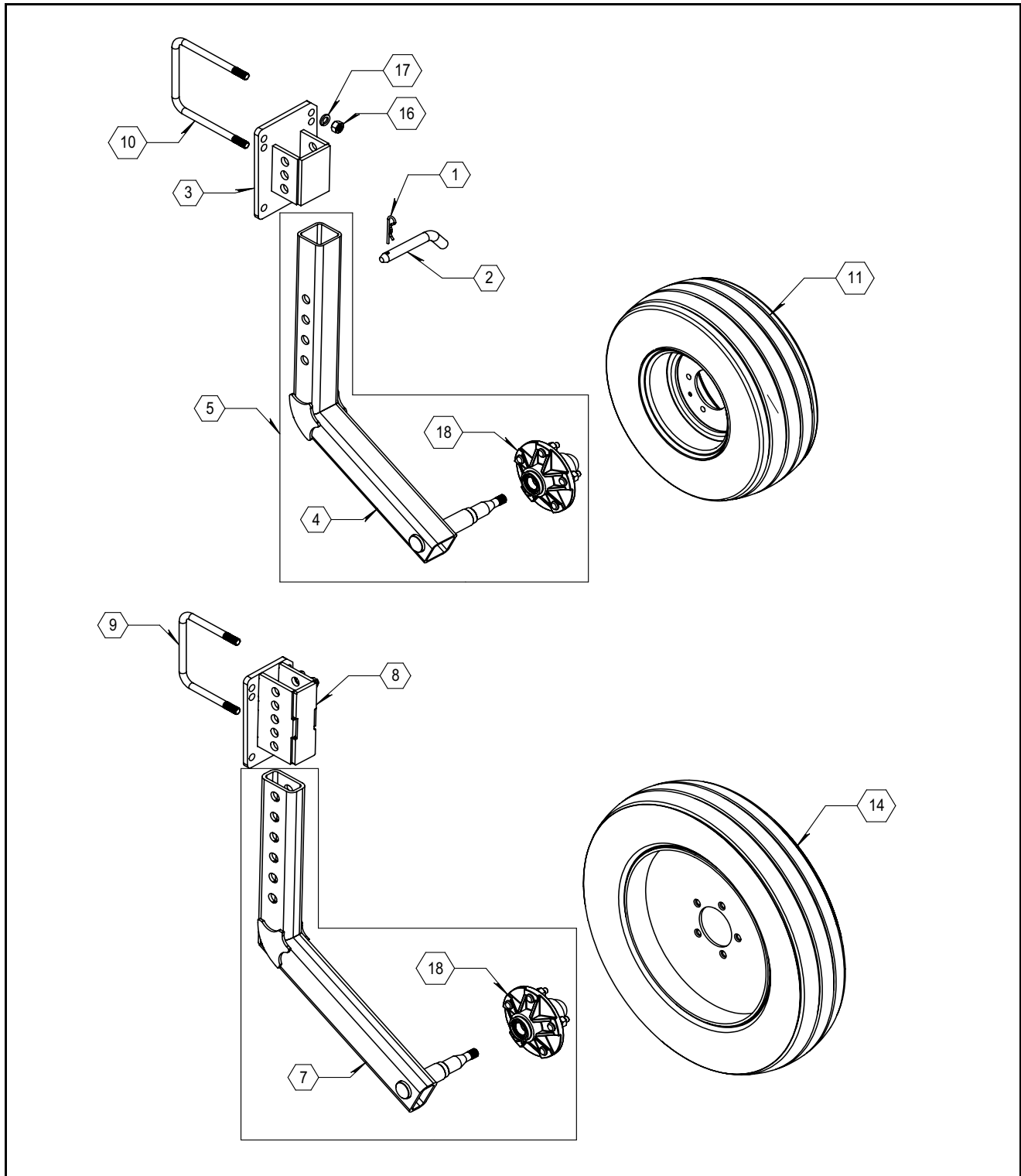


ILLUSTRATED PARTS LIST

Inner and Outer Wing Section Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	153	4	1/2-13 X 1-1/2" BOLT
2	156	2	BOLT, 1/2 X 3" GR5
3	157	4	BOLT, 1/2-13 X 3-1/2"
4	184	2	BOLT, 3/4 X 2" GR5
5	213	2	NUT, HEX 3/8-16 GR5
6	216	2	NUT, HEX 5/8-11
7	237	2	NUT, CENTERLOCK, 3/8-16
8	239	8	NUT, CENTERLOCK, 1/2"
9	241	2	NUT, CENTERLOCK 3/4-10
10	242	2	1-8 NUT CENTERLOCK
11	250	2	WASHER, LOCK, 3/8"
12	252	2	WASHER, LOCK, 1/2"
13	581	2	RIVET, 1/4" DRIVE
14	592	2	BOLT, CARRIAGE, 3/8-16 X 1"
15	759	4	ZERK, 1/4-28 STRAIGHT
16	15181	1	WING, MAIN, LEFT W LDMNT
16	15251	1	RH INNER WING W LDMNT
17	15226	AR	WING, FLIP 60'
17	15082	AR	WING, FLIP 66'
18	15137	2	PIN, FLIP WING LINKAGE
19	15139	2	PIN, MAIN FLEX
20	15155	2	W LDMT, LATCH PIN
21	15232	2	LINKAGE BASE W LDMNT
22	15535	2	FLIP LINKAGE W LDMNT
23	15537	2	LINKAGE BASE W LDMNT
24	15360	AR	BOLT ON OFFSET
25	15539	2	PIN, FLIP WING
26	15380	AR	WING EXTENSION W LDMNT
27	15392	2	FLIP LINKAGE W LDMNT
28	15816	AR	PLATE, LIGHT MOUNT
29	15625	AR	BOLT ON OFFSET - FOR 20" SPACING
29	15364	AR	BOLT ON OFFSET FOR 22" SPACING
30	530282	8	BUSHING 1.5 OD x 1.25 ID X .75 WIDE
31	540051	2	P-CLAMP, 2" W /3/8" HOLE
32	540052	8	P-CLAMP, 3" WITH 3/8" HOLE
33	590061	AR	U-BOLT, 5/8 X 7" X 5"
34	590110	2	PAD, RUB, LONG
35	590133	4	SCREW, FLAT HEAD, 3/8" X 1-1/4" SS
36	590214	4	SNAP RING, 1-1/4"
37	590218	4	WASHER, 1-1/4" 14GA ZP
38	590225	2	BOLT, 1 X 9.25", GR8 ZP
39	590265	2	PLATE, WEAR
40	620039	2	CYLINDER, 4.5 X 24"

Gauge Wheel





ILLUSTRATED PARTS LIST

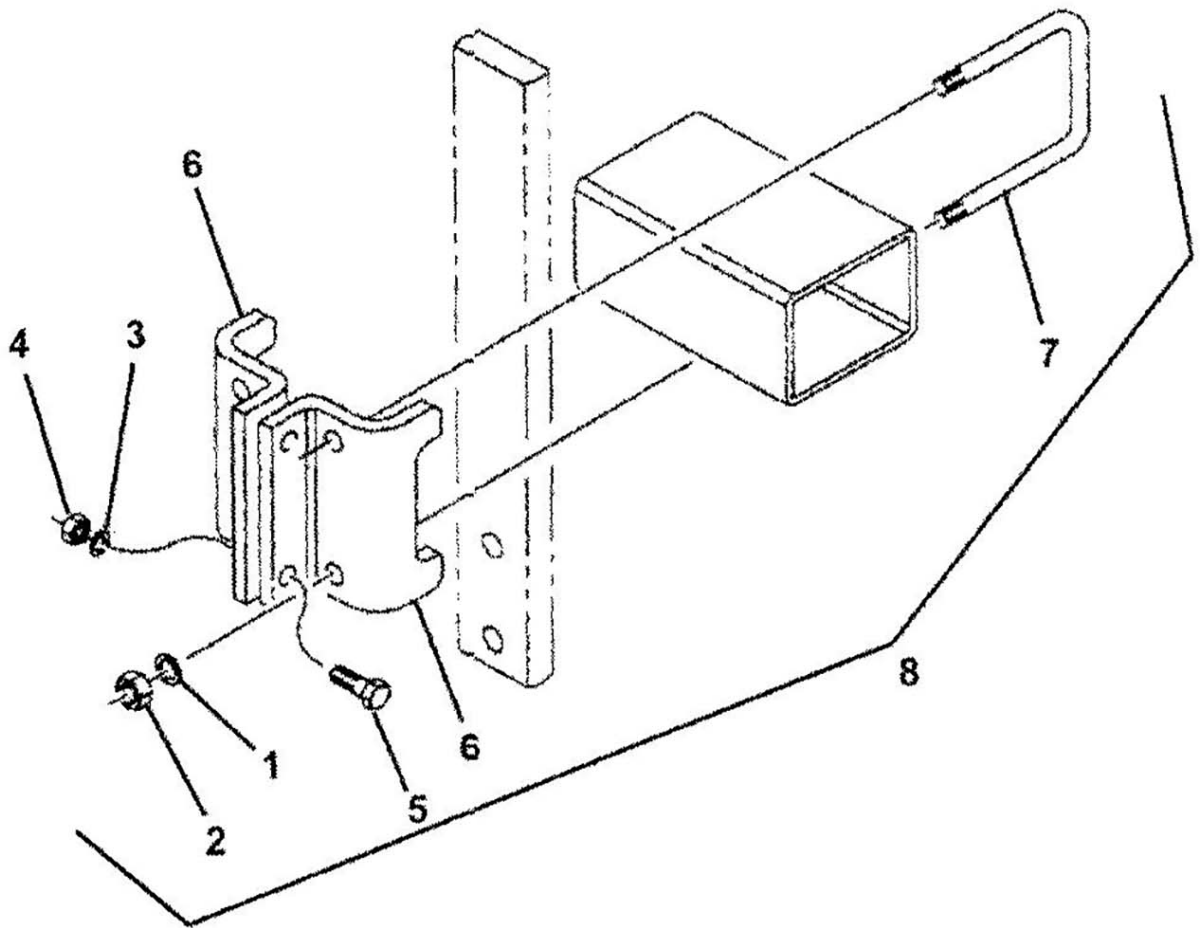
Gauge Wheel Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	285	AR	PIN, SPRING LOCK
2	19061	AR	PIN, CROSS
3	19055L	AR	STANDARD GAUGE WHEEL MOUNT
NS	19055R	AR	STANDARD GAUGE WHEEL MOUNT
4	19060L	AR	STANDARD GAUGE WHEEL ARM
NS	19060R	AR	STANDARD GAUGE WHEEL ARM
5	19063L	AR	STANDARD ARM WITH HUB
NS	19063R	AR	STANDARD ARM WITH HUB
6	22041L	AR	NARROW ARM WITH HUB
NS	22041R	AR	NARROW ARM WITH HUB
7	22045L	AR	NARROW GAUGE WHEEL ARM
NS	22045R	AR	NARROW GAUGE WHEEL ARM
8	22050L	AR	NARROW GAUGE WHEEL MOUNT
NS	22050R	AR	NARROW GAUGE WHEEL MOUNT
9	590061	AR	U-BOLT 5/8 X 5 X 7"
10	590108	AR	U-BOLT 5/8 X 7 X 7"
11	700023	AR	WHEEL, 20.5 X 8 X 10, YELLOW
12	700030	AR	WHEEL, 20.5 X 8 X 10, SILVER
13	700133	AR	NARROW WHEEL, SILVER
14	700134	AR	NARROW WHEEL, YELLOW
15	730030	AR	NUT, LUG
16	596216M	AR	NUT, HEX 5/8 MAGNI
17	596253M	AR	WASHER, LOCK 5/8 MAGNI
18	730003ASSY	AR	HUB ASSEMBLY



ILLUSTRATED PARTS LIST

Mounting Clamp Kit for Auscherman Coulter Option





ILLUSTRATED PARTS LIST

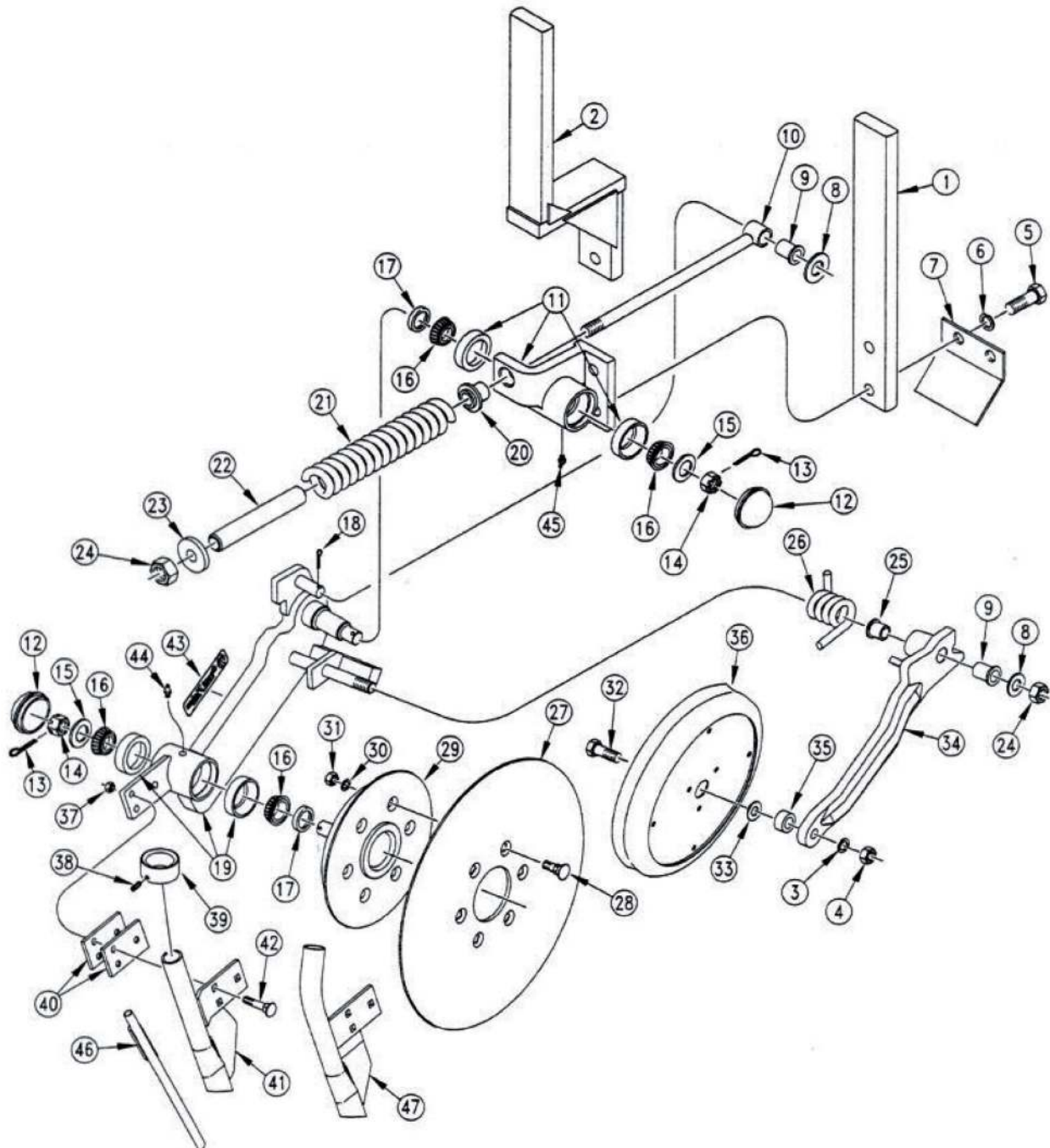
Mounting Clamp Kit for Auscherman Coulter Option Parts List

ITEM	VENDOR PART NO.	FAST PART NO.	QTY.	DESCRIPTION
1	804-022C	253	4	LOCKWASHER 5/8" ZP
2	803-021C	216	4	NUT HEX 5/8 ZP
3	804-015C	252	2	LOCKWASHER 1/2" ZP
4	803-020C	215	2	NUT HEX 1/2" ZP
5	802-091C	153	2	BOLT HEX HEAD 1/2 X 1-1/2 GR5 ZP
6	204-188D		AR	6" SPLIT BAR CLAMP
6	204-189D		AR	7" SPLIT BAR CLAMP
7	806-116C		AR	U-BOLT 6 X 4 X 5/8, Use With 204-356k
7	806-083C		AR	U-Bolt 5/8-11 X 7 1/32 X 7 1/2, Use With 204-228k
7	806-084C		AR	U-Bolt 5/8-11 X 7 1/32 X 9 1/2, Use With 204-224k
7	806-131C		AR	U-Bolt 5/8-11 X 7 1/32 X 6, Use With 204-243k
8	204-356K	750024	1	6 X 4 BAR CLAMP KIT
8	204-224K	750046	1	7 x 7" Square Bar Clamp Kit
8	204-228K	750047	1	7 x 5" Square Bar Clamp Kit



ILLUSTRATED PARTS LIST

Auscherman Vantage II Coulter



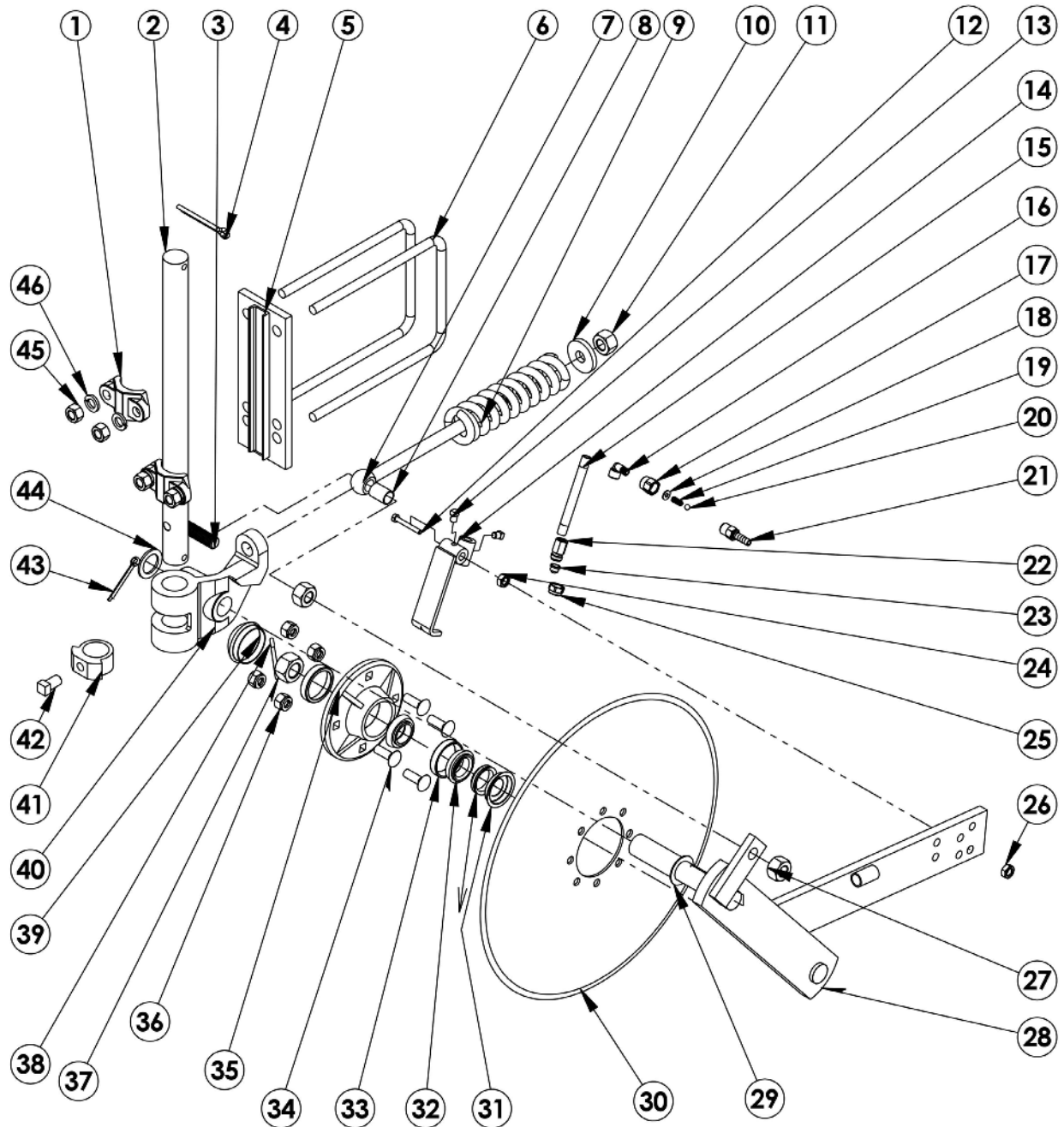


ILLUSTRATED PARTS LIST

Auscherman Vantage II Coulter Parts List

ITEM	VENDOR PART NO.	FAST PART NO.	QTY.	DESCRIPTION
1	807-124C	750026		21" Flat Bar Angled Coulter Shank
2	820-181C			Vantage II 5" Offset Flat Shank RH (Shown)
NS	820-182C			Vantage II 5" Offset Flat Shank LH
NS	804-022C			Washer Lock Spring 5/8
NS	803-021C			Nut Hex 5/8-11 Plt
5	802-064C			Hex Head Cap Screw 3/4-10 X 2 Grade 5
6	804-023C			Washer Lock Spring 3/4
7	204-154D			Front Shield
8	804-025C			Washer Flat 3/4 SAE
9	817-051C			Swing Arm Bushing
10	204-209H			Blade Spring Rod Weldment
11	204-233V			Coulter Pivot RH Sub-Assembly (Shown)
	204-235V			Coulter Pivot LH Sub-Assembly
12	200-001D			Hub Grease Cap
13	805-017C			Pin Cotter 3/16 X 1-3/4
14	803-029C			Nut Hex Slotted 7/8-14
15	804-055C			Washer Spindle - 7/8
	822-020C			Bearing Cup LM-67010 (Not Shown)
16	822-021C			Bearing Cone LM-67048
17	816-009C			Oil Seal Double Lip
18	805-063C			Pin Cotter 3/32 X 1 Long
19	204-234V			Blade Arm RH Sub-Assembly (Shown)
	204-236V			Blade Arm LH Sub-Assembly
20	817-029C			Bushing Coulter Casting
21	807-074C			Spring 2.25 OD X .5 Coil
22	204-107D			Spring Rod Sleeve 1-1/8 OD
23	812-031C			Casting Coulter Spring Washer
24	803-025C			Nut Hex 3/4-10 Plt Nylock
25	817-084C			Parallel Arm Pivot Bushing
26	807-089C			Torsion Spring 3/8 Wire RH (Shown)
	807-090C			Torsion Spring 3/8 Wire LH
27	820-093C			Single Bevel 18 Coulter Blade
28	802-354C			Plow Bolt 1/2-13 X 1-1/2 Grade 5
29	204-145D			Coulter Hub
30	804-015C			Washer Lock Spring 1/2
31	803-020C			Nut Hex 1/2-13
32	802-281C			Hex Head Cap Screw 5/8-11 X 2-3/4 Grade 5
33	804-019C			Washer Flat 5/8 USS
34	201-141D			Wiper Wheel Arm RH (Shown)
	204-142D			Wiper Wheel Arm LH
35	204-153D			Wiper Wheel Spacer
36	198-057S			2 x 13 Depth Wheel Assembly
	822-095C			Press Wheel Bearing Only
	814-083C			Press Wheel Tire Only
37	803-013C			Nut Lock 3/8-16 Plt
38	801-015C			Screw Set Socket Head 1/4-20 (1/2)
39	204-268D			Dry Fertilizer Tube Collar
40	816-134C			Rubber Pad
41	820-124C			Dry Fertilizer Tube RH
	820-125C			Dry Fertilizer Tube LH
42	802-406C			RHSNB 3/8-16 (1-3/4 SS)
43	838-482C			Decal Gp Planting Components
44	800-001C			Grease Zerk Straight 1/4-28
45	800-073C			Grease Zerk 1/4-28 X 90°
46	890-580C			Vantage II Liquid Insert
47	204-412H	750025		Vantage II RH Dry Drop Tube Weldment (shown)
	204-413H			Vantage II LH Dry Drop Tube Weldment
	204-218L	750022		Coulter Vantage II RH (Incl 8-45,47)
	204-219L	750023		Coulter Vantage II LH (Incl 8-45,47 LH)

Auscherman Coulter Assembly





ILLUSTRATED PARTS LIST

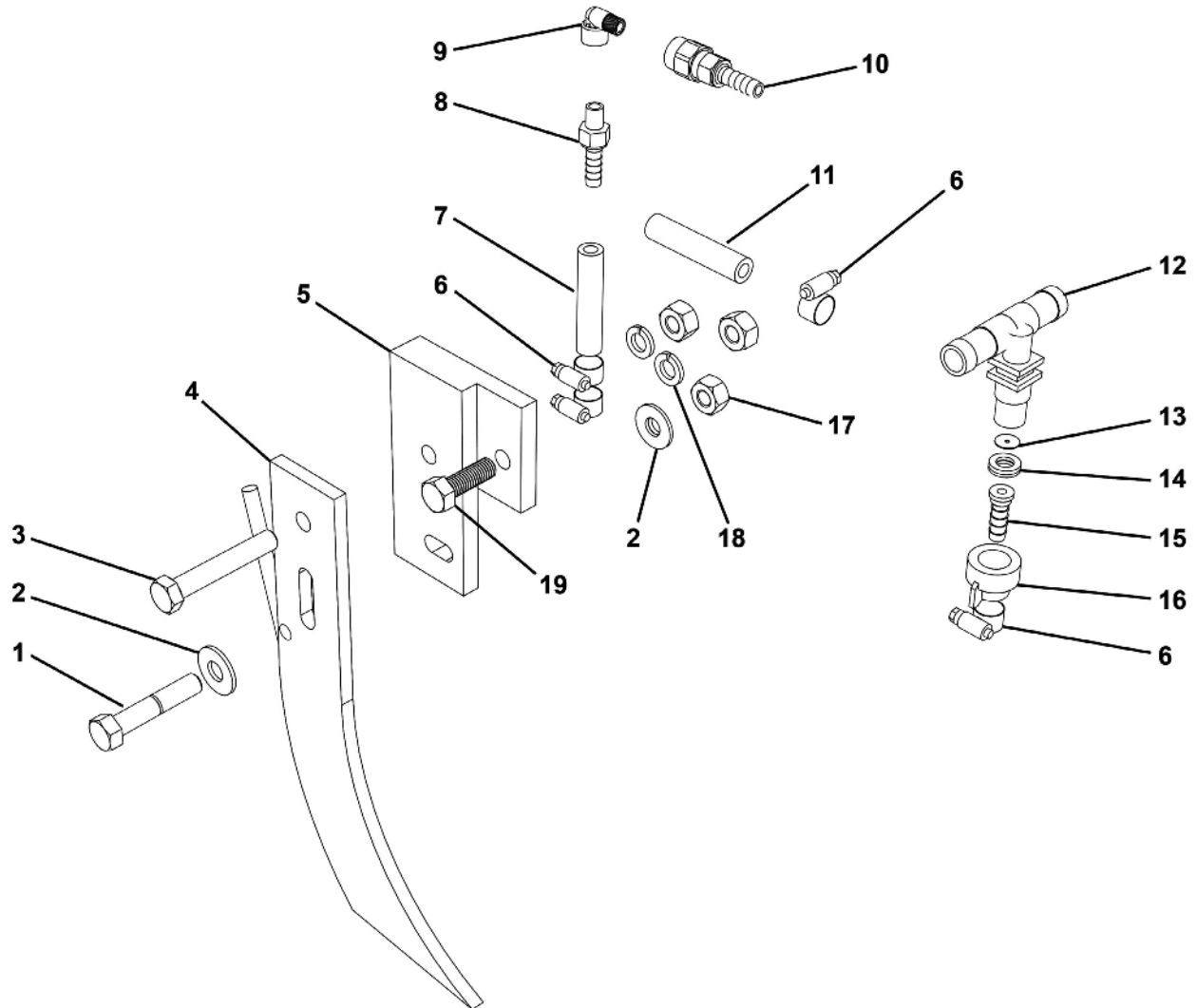
Auscherman Coulter Assembly Parts List

ITEM	VENDOR PART NO.	FAST PART NO.	QTY.	DESCRIPTION
1	N369	590005	2	Casting Clamp
2	N343	750012	1	1-1/2" Straight Coulter Shank
NS	N345	750055	AR	1-1/2" Offset Coulter Shank
NS		750054	1	1-1/2" Offset Coulter Shank Special
NS		750053	1	1-1/2" Offset Coulter Shank Special
3		186	1	Bolt Hex Head 3/4 X 3 Grade 5 Zp
4			2	Cotter Pin 5/16" X 3
5	FPC510		1	Clamp Plate
6	N367-1		2	U-Bolt 7 X 8-1/2 X 5/8 E-Coat
7	FBU6B0		1	Bushing Nylon For Spring Rod
8	N347-7		1	Spring Rod
9	N347-5		1	Spring Coulter
10	S233		1	Spring Bushing Casting
11	N347-3	233	1	Nut Hex Head 3/4 Nylock Zp
12		750010	1	Bolt Hex Head 1/2 X 4 Grade 5 SS
13	FBH0816-SS	750018	2	Set Screw 3/8 X 1/2"
14	FBS0602	750016	1	Rock Guard
15	COI100-7	530199	1	Nipple, Pipe 1/4 X 5 SS
16	TJ-4676-22-1/4	530246	1	Elbow, Street 1/4" NPT SS
	TJ-CP4916-250	530188	1	Hose Shank Check Valve Assembly Items 17-21
17			1	Adapter 11/16" X 1/4" NPT
18	TJ-4676-22-1/4		1	Orifice Plate 302 SS
19	TJ-CP4916-250		1	Spring 5# 302 SS
20	TJ-CP3655-5-SS		1	Ball 302 SS
21	TJ-CP7671-5/16/SS		1	Hose Shank 11/16 X 1/4" NPT 303 SS
22	TJ-39189-8400-406-SS	520014	1	Teejet Body SS
23	TJ-CP1321-SS		1	Tip SS Teejet (Specify Tip Size)
24	TP-00xx-SS	750009	1	Hut Hex Head Jam 1/2" SS
25	FNJ08-SS	750015	1	Nozzle Cap SS
26	TJ-CP1325SS	750011	1	Nut Hex Head Nylock 1/2" SS
27	FNJL08-SS		1	Nut Hex Head 3/4" Nf Zp
28	FNL12-NF		1	Swing Arm W Hub
29	N347-47		1	Bushing Coulter Flanged
30	N347-6	750014	1	Coulter Ripple 20"
31	N342		1	Seal Coulter 2 Piece
32	W40-2		1	Bearing
33	W32		2	Cup
34	W38		2	Bolt Carriage 1/2" X 1-1/2" Zp
35	FBC0806		4	Hub Assembly Complete (Items 31-33,35,37-39)
	W23Y		1	Hub Only
36	W23		1	Nut Hex Head 1/2" Zp
37	FNH08		4	Nut Spindle 5/8"
38	W60		1	Pin Cotter 1/8" X 1-1/4"
39	FPC497		1	Cap Hub
40	W50		1	Coulter Hinge Casting
41	N347-1	750008	1	Locking Collar 30°
NS	N347-2		OPT.	Locking Collar 45°
42	N347-2/45		1	Setscrew 5/8" X 1"
43	FBS1004		1	Pin Cotter 1/8" X 1-1/4"
44	FPC505		1	Bushing 1/8" Thick
45	FWM18	216	4	Nut Hex Head 5/8" Zp
46		253	4	Washer Lock 5/8"



ILLUSTRATED PARTS LIST

Auscherman Knife Assembly





ILLUSTRATED PARTS LIST

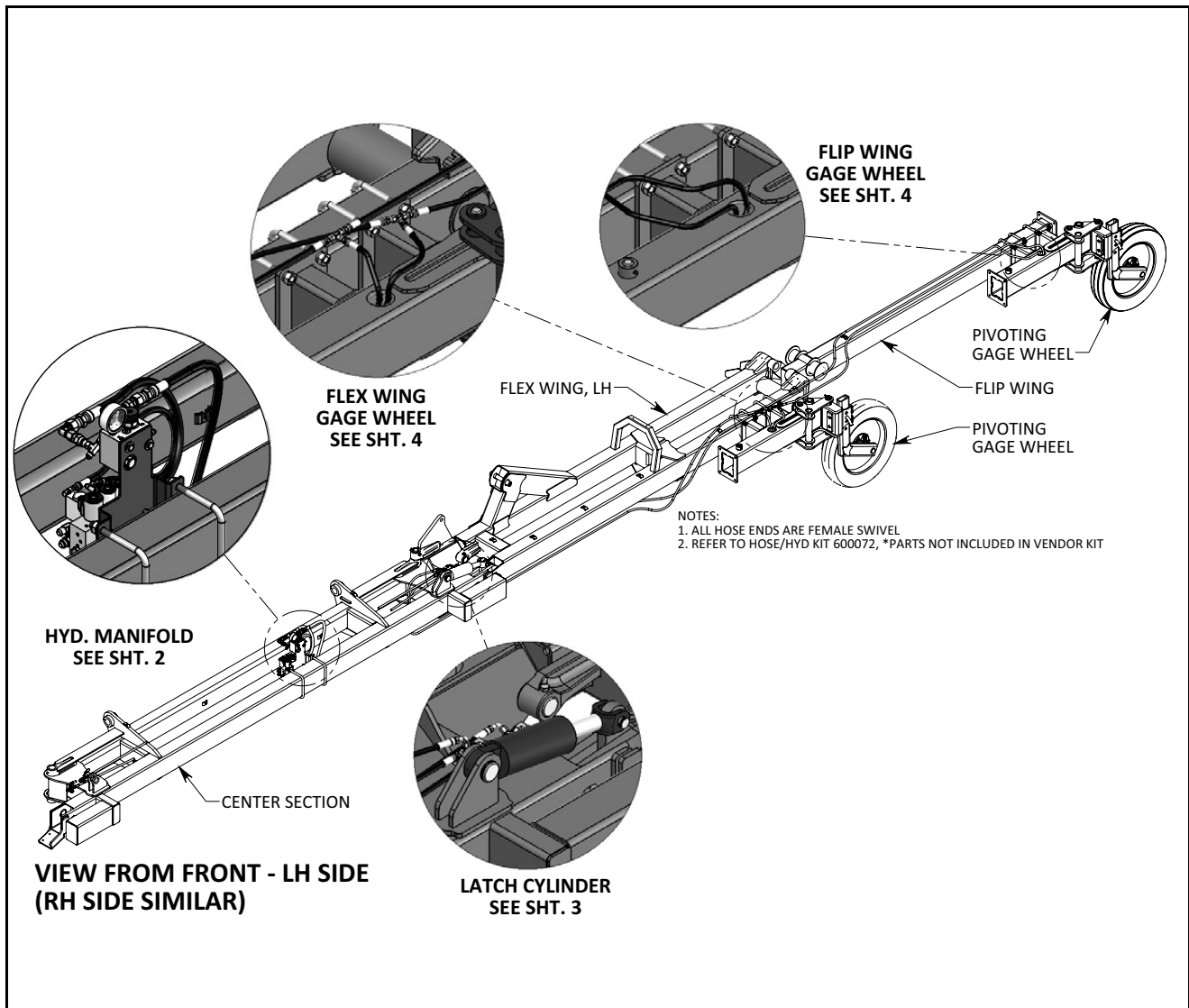
Auscherman Knife Assembly Parts List

ITEM	VENDOR PART NO.	FAST PART NO.	QTY.	DESCRIPTION
1		FBH0813	1	Bolt Hex Head 1/2 X 3-1/4 Zp Grade 5
2		260	2	Washer Flat 1/2" Zp
3		155	1	Bolt Hex Head 1/2 X 2-1/2 Zp Grade 5
4	WI-CO501000	750003	1	Wiese CO50100 Knife
5	CLN3934	750019	1	Mounting Bracket And Shim Kit
6	BR-64006H	540011	4	Clamp Hose 5/16"
7	BS-3/8BH200	510020	1	Hose EDPM 3/4" X 4'
8	VI-316A1438	530247	1	Hose Barb 1/4" MPT X 3/8" Hose
9	VI-304SE14	530246	1	Elbow Street 1/4" MPT
10	39188-8400-406-SS	530188	1	Valve Check 1/4" MPT X 3/8" Hose
11	BS-3/8BH200	510020	1	Hose EDPM 3/4" X 54'
12	18720-112-785-NYB	520004	AR	Tee 3/4" Hose Barb
NS	18719-111-785-NYB	520003	AR	L 3/4" Hose Barb
13	CP4916-XX	CP4916-XX	1	Orifice Disc 4916-XX See Rate Chart
14	CP18999EPR	590029	1	Gasket Orifice Disc
15	8400-406-NYB	590077	1	Hose Shank 3/8"
16	CP25607-1-NY	590076	1	Cap Nozzle Black
17		215	3	Nut Hex Head 1/2" Zp
18		252	3	Washer Lock 1/2" Zp
19		603	1	Bolt Hex Head 1/2 X 1-3/4" Zp Grade 5



ILLUSTRATED PARTS LIST

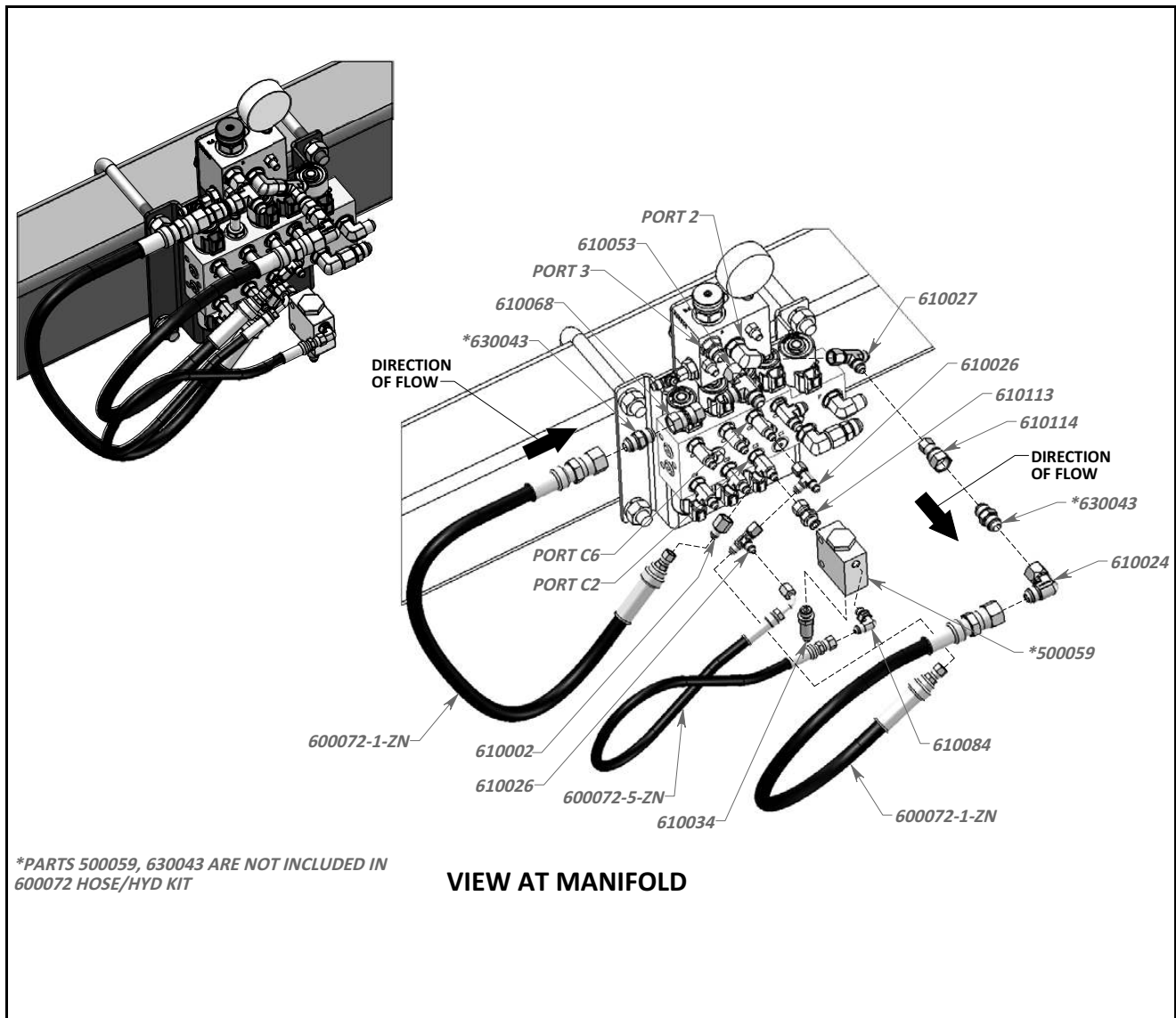
8200 Folding Gauge Wheel

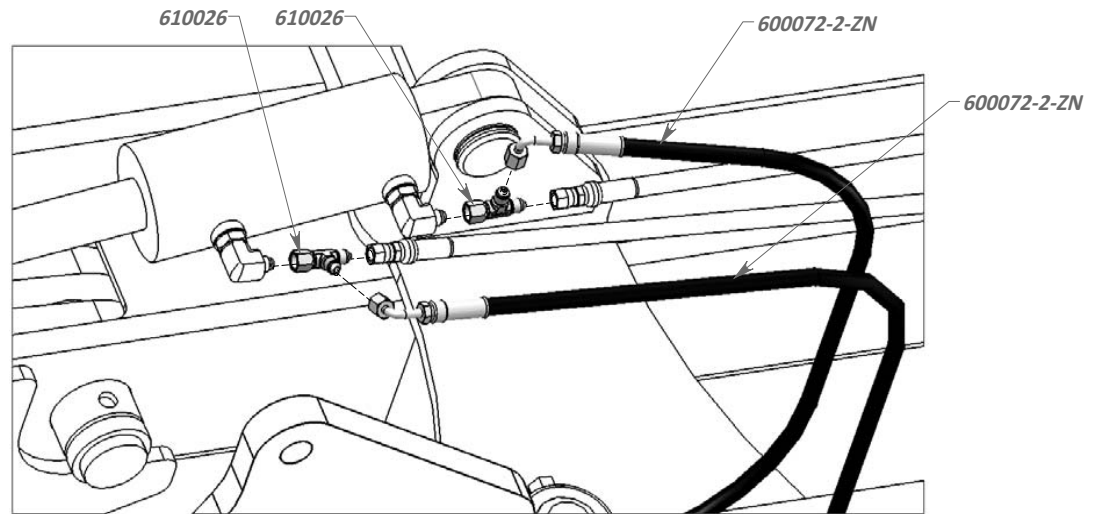
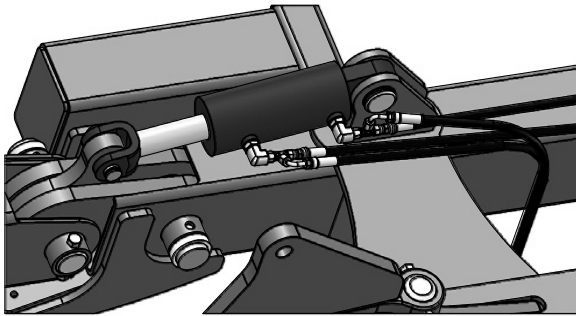




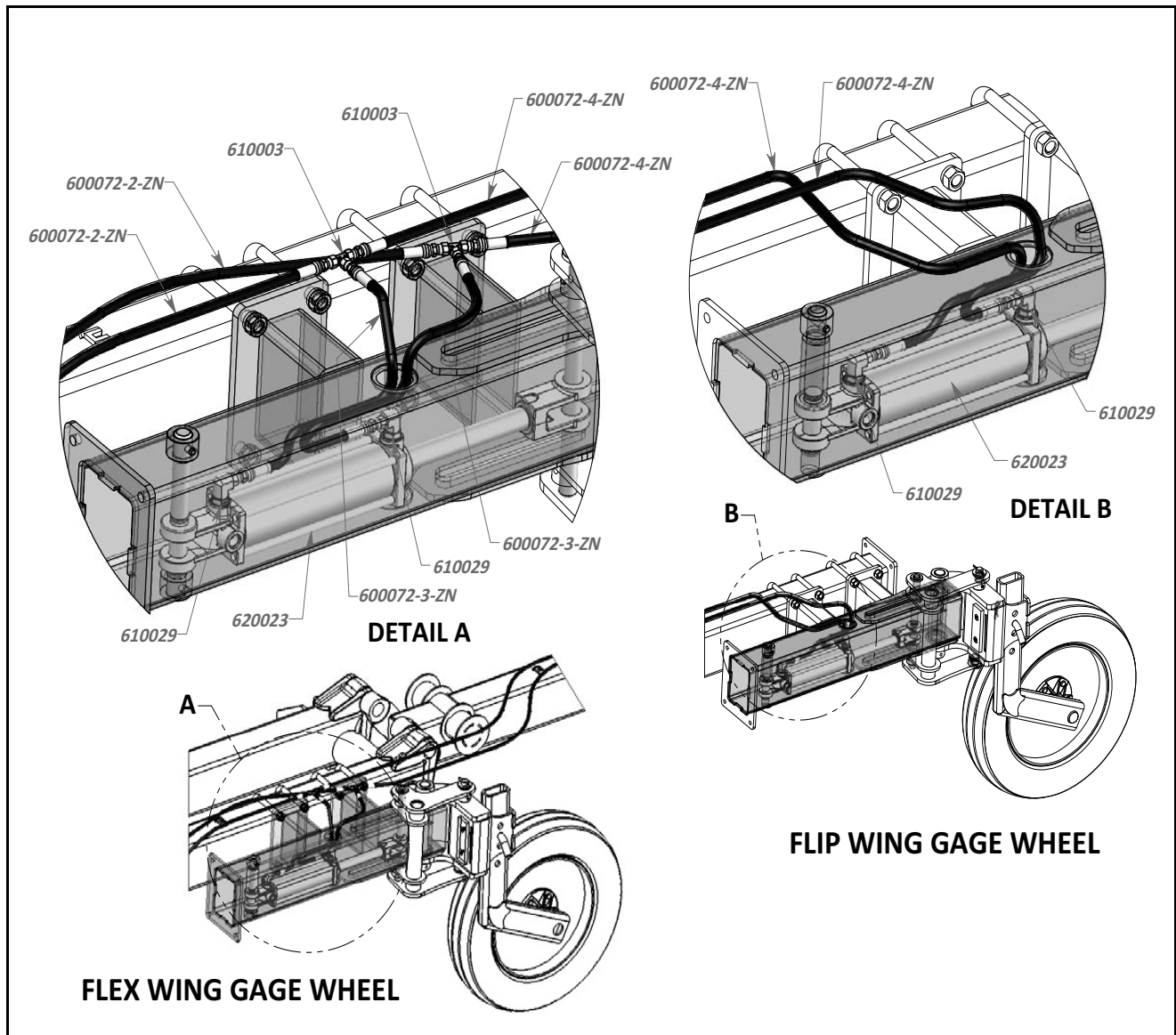
ILLUSTRATED PARTS LIST

8200 Folding Gauge Wheel (Cont.)



8200 Folding Gauge Wheel (Cont.)**VIEW AT LATCH CYLINDER**

8200 Folding Gauge Wheel (Cont.)





ILLUSTRATED PARTS LIST

8200 Folding Gauge Wheel Parts List

PART NO.	QTY.	DESCRIPTION
610002	4	JIC #4 X JIC #6 FEMALE
610003	4	IC #4 UNION TEE
610024	1	JIC #8 90 DEG
610026	7	JIC #4 SWIVEL RUN TEE
610027	1	JIC #6 RUN TEE
610029	8	JIC #4 TO ORING #8 90 DEG
610034	1	#4 JIC TO #6 O RING RUN TEE
610053	1	JIC #8 SWIVEL RUN TEE
610068	1	JIC #8 SWIVEL UNION
610074	1	6804-06-06-06
610084	1	6801-04-04
610113	1	#6 O-RING TO #6 JIC SWIVEL
610114	1	JIC SWIVEL UNION #8 - #6
*500059	1	VALVE, P.O. CHECK, SINGLE
*620023	4	CYLINDER, 25TD08-112
*630043	2	INLINE CHECK VALVE
600072-1-ZN	2	3/8" X 26" LONG #8 STRAIGHT #4 STRAIGHT
600072-2-ZN	4	1/4" X 192" LONG #4 90 #4 STRAIGHT
600072-3-ZN	4	1/4" X 24" LONG #4 STRAIGHT #4 STRAIGHT
600072-4-ZN	4	1/4" X 171" LONG #4 STRAIGHT #4 STRAIGHT
600072-5-ZN	1	1/4" X 24" LONG #4 90 #4 STRAIGHT



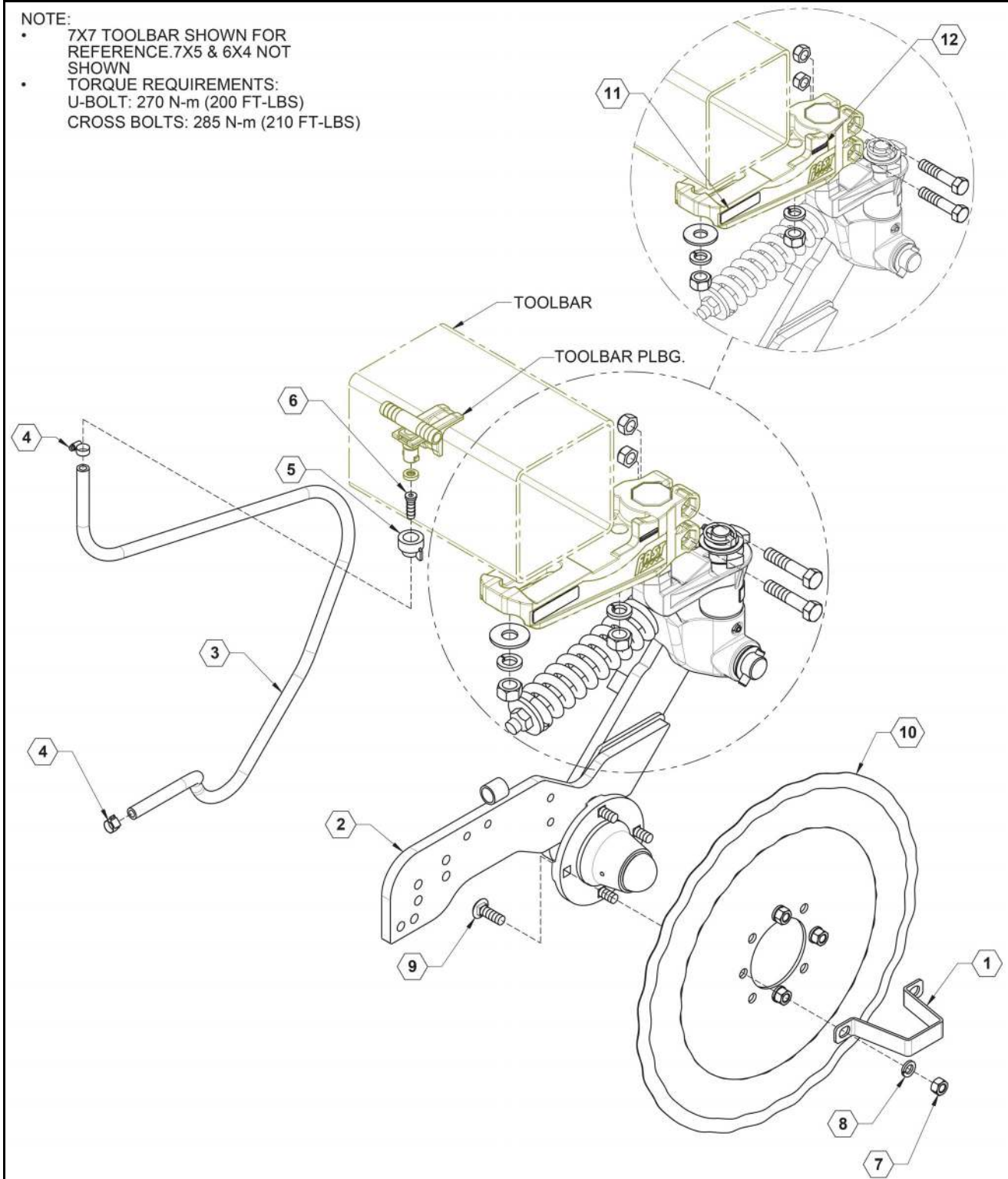
ILLUSTRATED PARTS LIST



AP Coulter Row Unit Base Assembly

NOTE:

- 7X7 TOOLBAR SHOWN FOR REFERENCE. 7X5 & 6X4 NOT SHOWN
- TORQUE REQUIREMENTS:
U-BOLT: 270 N-m (200 FT-LBS)
CROSS BOLTS: 285 N-m (210 FT-LBS)



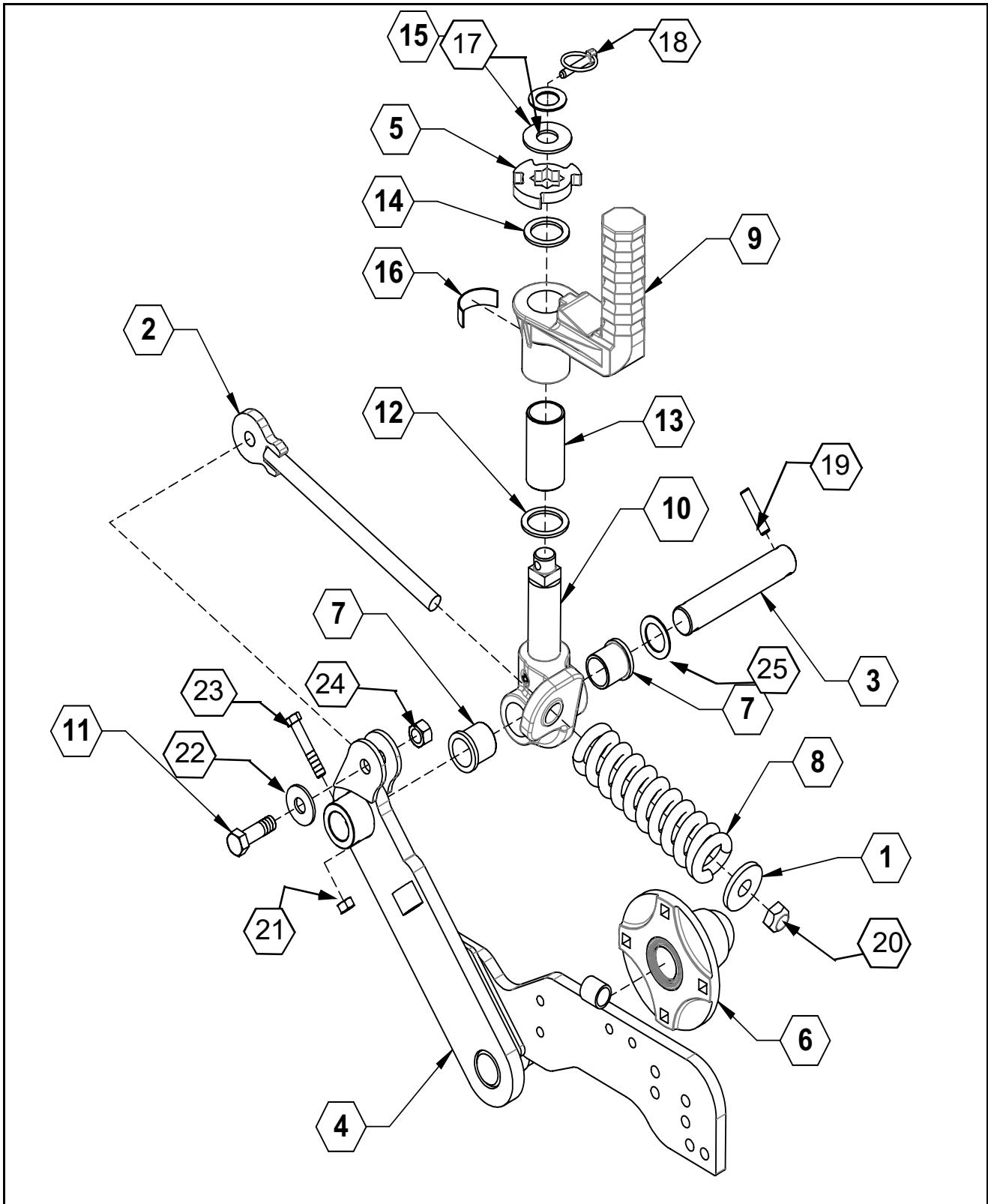


ILLUSTRATED PARTS LIST

AP Coulter Row Unit Base Assembly Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	17214	1	HUB RETAINER BRACKET
2	17300	1	ASSY, AP COULTER ROW UNIT
3	510020	AR	HOSE, 3/8", EPDM
4	540032	2	CLAMP, HOSE 5/16"
5	590076	1	CAP
6	590077	1	CONNECTOR, HOSE BARB
7	596215M	4	NUT, HEX 1/2 NC GR5 MAGNI
8	596251M	4	WASHER, LOCK 1/2" MAGNI
9	596620M	4	BOLT, CARR, 1/2X 1-1/2 GR5 MAGNI
10	750014	1	COULTER BLADE, 20" RIPPLED
11	800198	1	DECAL, UPPER MOUNT PATENT
12	800209	1	DECAL, D FAST GLOBAL SOLUTIONS

AP Coulter Row Unit Cast Coulter Assembly



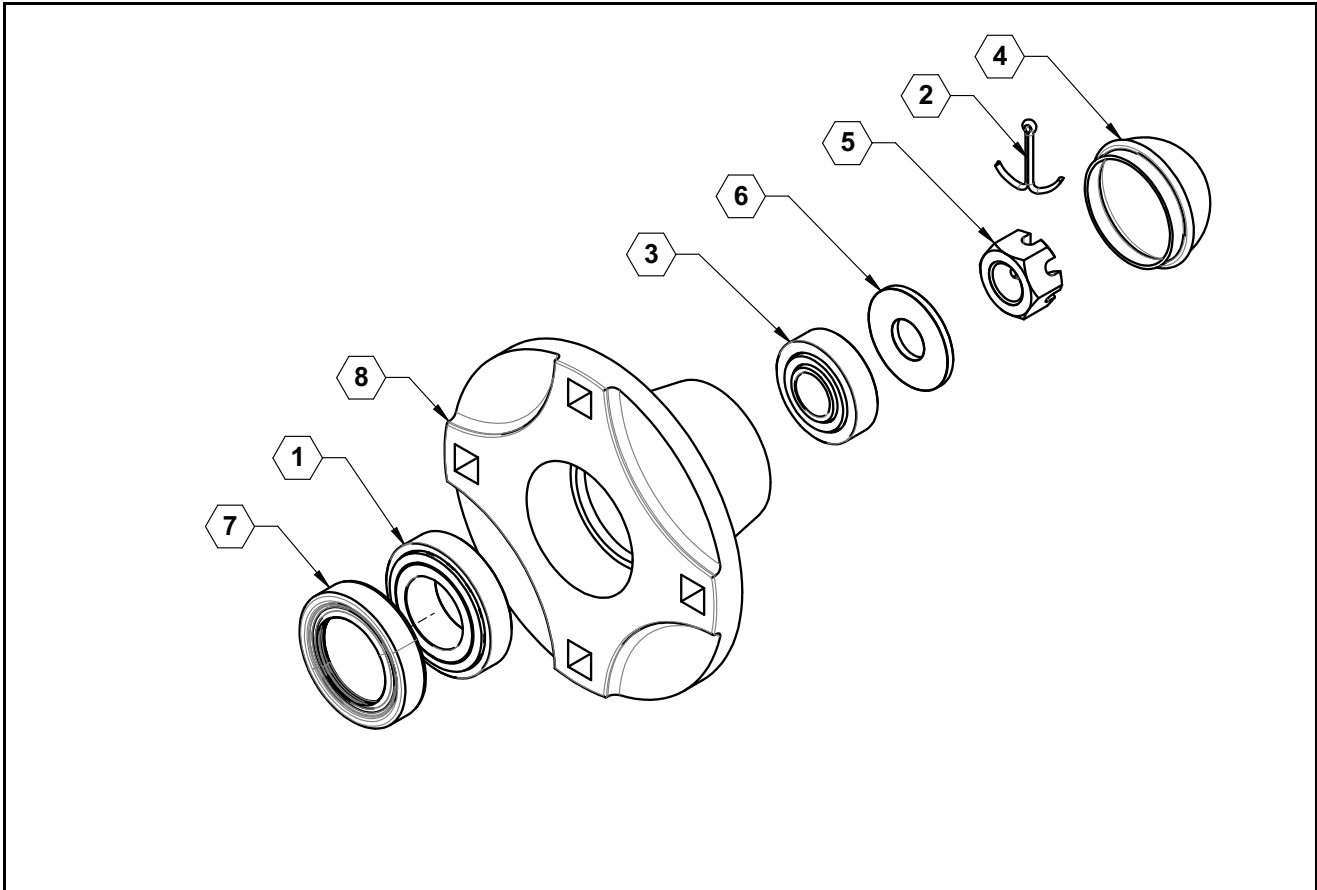


ILLUSTRATED PARTS LIST

AP Coulter Row Unit Cast Coulter Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	17208	1	PLATE, SPRING END
2	17276	1	SPRING LEVER WELDMENT
3	17291	1	PIVOT SHAFT
4	17293	1	COULTER ARM WELDMENT
5	21088	1	PLATE, COULTER ROTATION
6	26891	1	N669 COMPLETE HUB W/ SQ HOLE W/TRIPLE SEAL
7	530328	2	IGUS FLANGED BUSHING
8	590123	1	COULTER SPRING
9	590232	1	MID CASTING
10	590233	1	LOWER CASTING
11	590260	1	BOLT, HH 5/8 X 2" SPECIAL GR5 MAGNI
12	750081	1	COULTER WASHER
13	750082	1	COULTER PIVOT BUSHING
14	750085	1	LOWER DUST CAP WASHER
15	750086	1	UPPER DUST CAP WASHER
16	800197	1	DECAL, SHANK PATENT
17	596179M	1	BUSHING, MACHINED 1" X 14GA MAGNI
18	590819M	1	LYNCH PIN, 5/16 X 1-3/4 MAGNI
19	596740M	1	ROLL PIN, 7/16 X 2 MAGNI
20	596626M	1	NUT, TOPOCK 3/4-10 MAGNI
21	596238M	1	NUT, CENTERLOCK 7/16-14 MAGNI
22	596261M	1	WASHER, FLAT 5/8 MAGNI
23	596143M	1	BOLT, HH 7/16X2-1/2 GR5 MAGNI
24	596240M	1	NUT, CENTERLOCK, 5/8-11 MAGNI
25	596744M	1	BUSHING, MACHINED, 1-1/4 X 14 GA MAGNI

N669 Complete Hub W/ Square Hole w/ Triple Seal Assembly



N669 Complete Hub w/ Square Hole w/ Triple Seal Parts List

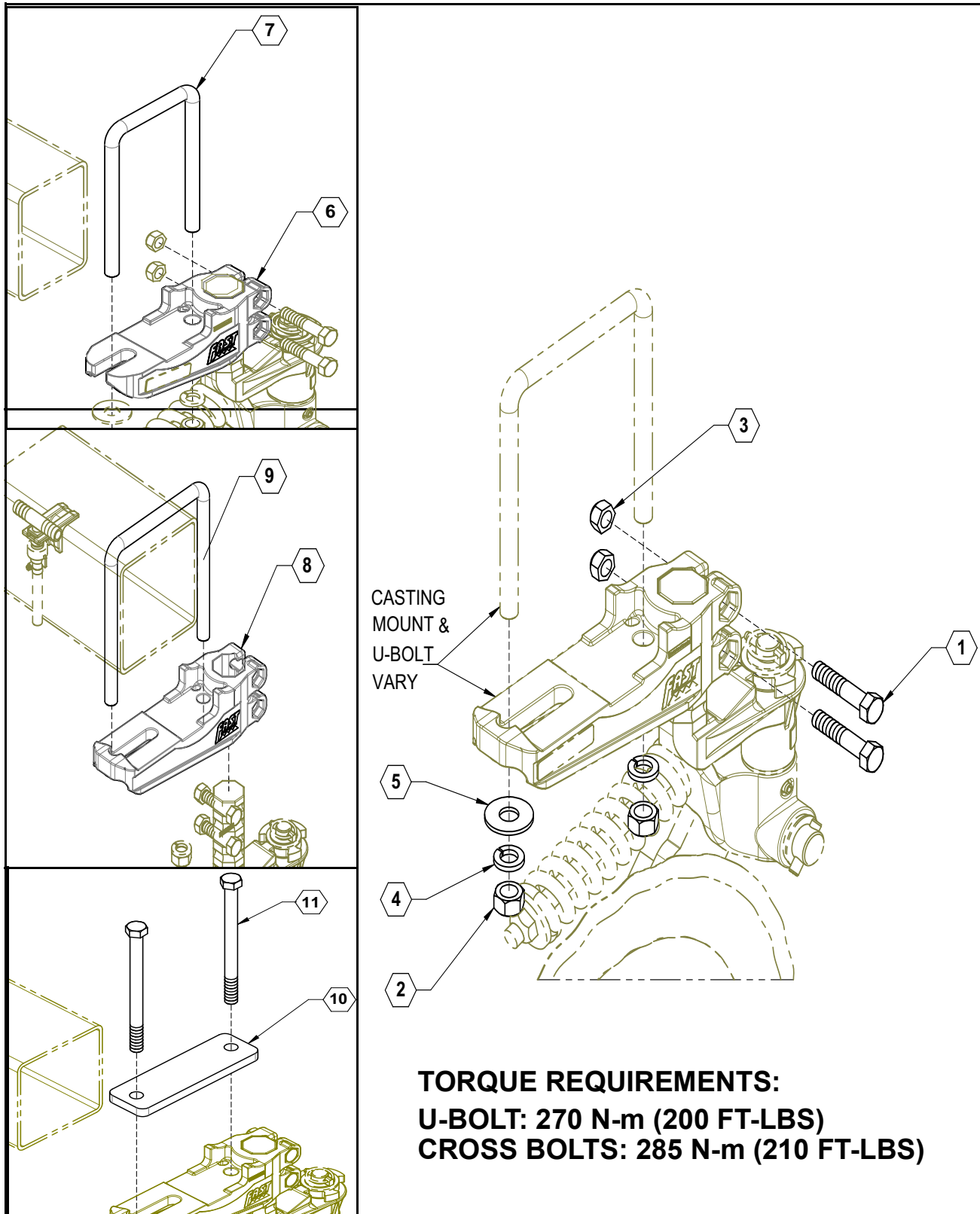
ITEM	PART NO.	QTY.	DESCRIPTION
1	730032	1	BEARING, LG LM 67048, N669 HUB
2	730033	1	COTTER PIN, N669, 4-BOLT
3	730036	1	BEARING, SM LM 11949, N669 HUB
4	730044	1	HUB CAP, (699/736) HUB
5	730088	1	CASTLE NUT 4-BOLT, 5/8-18
6	730096	1	WASHER, NSS9 4-BOLT
7	730102	1	SEAL, TRIPLE LIP ID
8	730104	1	HUB, W / CUPS, 4 BOLT, N669



ILLUSTRATED PARTS LIST



AP Coulter Upper Casting Mounts





ILLUSTRATED PARTS LIST

AP Coulter Upper Casting Mounts Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	596779M	2	BOLT, G8 HEX 5/8 X 3 MAGNI
2	596217M	2	NUT, HEX 3/4-10 MAGNI
3	596243M	2	NUT, G8 TOPLOCK 5/8-11 MAGNI
4	596254M	2	LOCKWASHER 3/4 MAGNI
5	596259M	1	WASHER, FLAT 3/4 MAGNI
6	590310	1	MOUNT CASTING AP COULTER
7	596773M	1	U-BOLT, 7 X 5 MAGNI
	596772M	1	U-BOLT, 6 X 4 MAGNI
8	590231	1	MOUNT CASTING, 7X7 TB
9	596774M	1	U-BOLT, 7 X 7 MAGNI
10	17284	1	PLATE, TOP
11	596197M	2	BOLT, 3/4-10 X 9-1/2 MAGNI

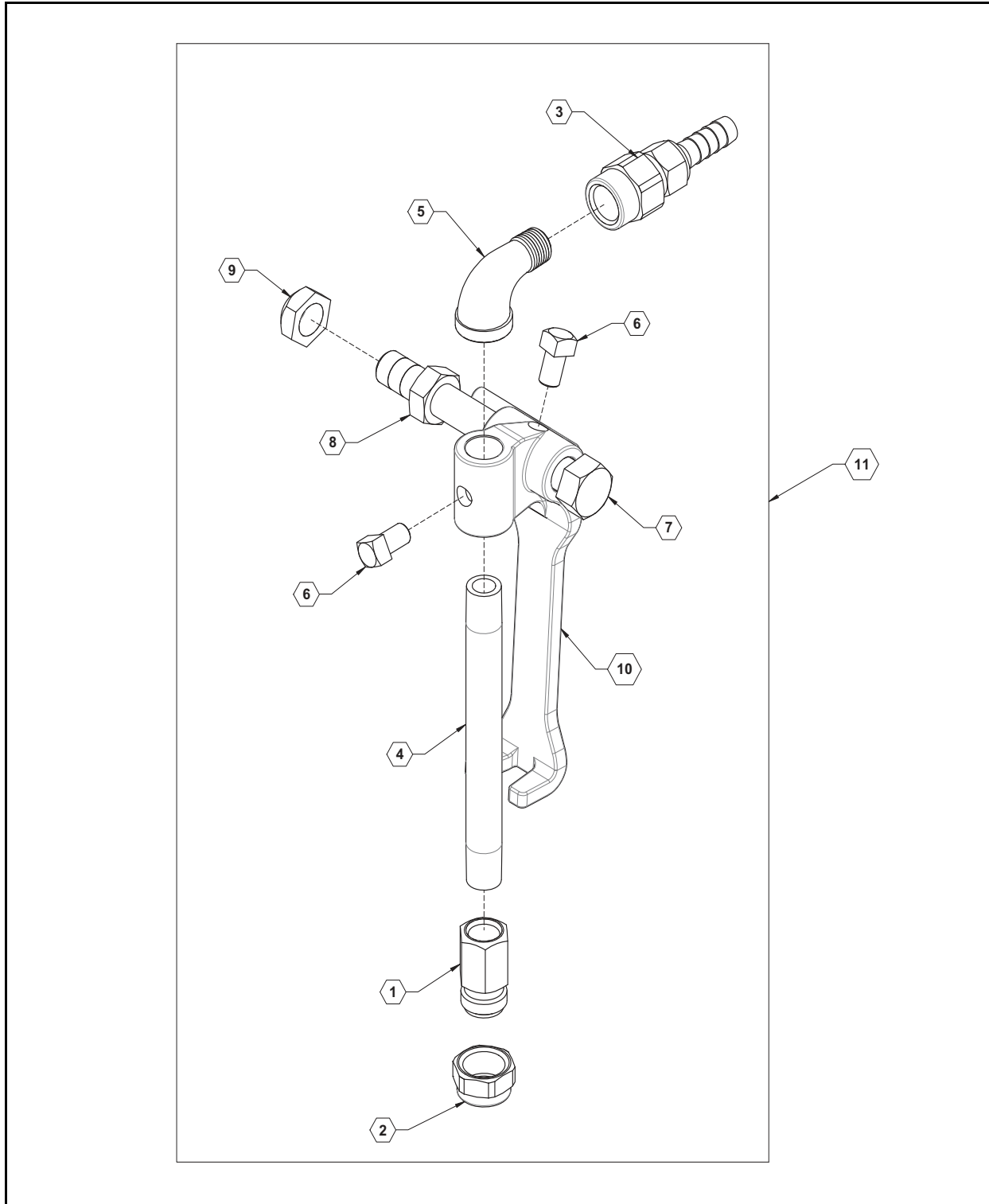


ILLUSTRATED PARTS LIST

Injector and Knife Options

FAST AP Coulter Injection Option Assembly

No closing wheel



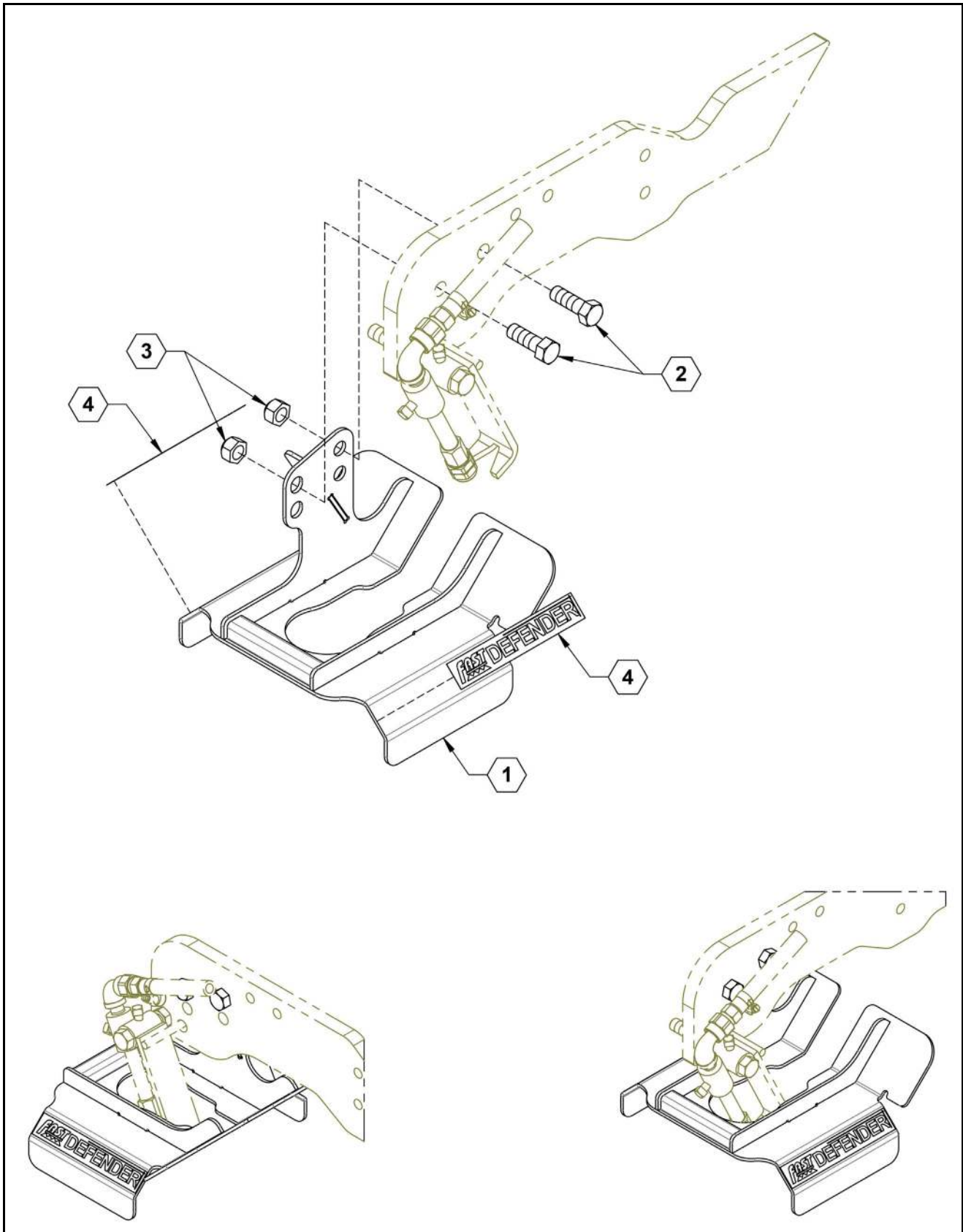


ILLUSTRATED PARTS LIST

FAST AP Coulter Injection Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	520014	1	NOZZLE, SS 1/4" TEE
2	520015	1	NOZZLE, SS CA
3	530188	1	HOSE SHANK ASSEMBLY
4	530199	1	PIPE NIPPLE, 1/4" SS
5	530246	1	STR. ELB:1/4" MPTX1/4" FPT
6	596100M	2	SET SCREW, 3/8-16X 1/2 MAGNI
7	596158M	1	BOLT, HH 1/2 X 4 GR5 MAGNI
8	596223M	1	NUT, HEX JAM 1/2-13 MAGNI
9	596618M	1	NUT, TOPLOCK THIN 1/2-13 MAGNI
10	750084	1	ROCK GUARD
11	90SAINJ	AR	COMPLETE INJECTOR ASSEMBLY
NS	520049	AR	#8 STREAM JET TIP
NS	520056	AR	#10 STREAM JET TIP
NS	520034	AR	TIP, SS - 0015 TEEJET
NS	520035	AR	#20 STREAM JET TIP
NS	TJTP0030SS	AR	#30 STREAM JET TIP
NS	TJTP0040SS	AR	#40 STREAM JET TIP

DeFender for Injection Assembly





ILLUSTRATED PARTS LIST

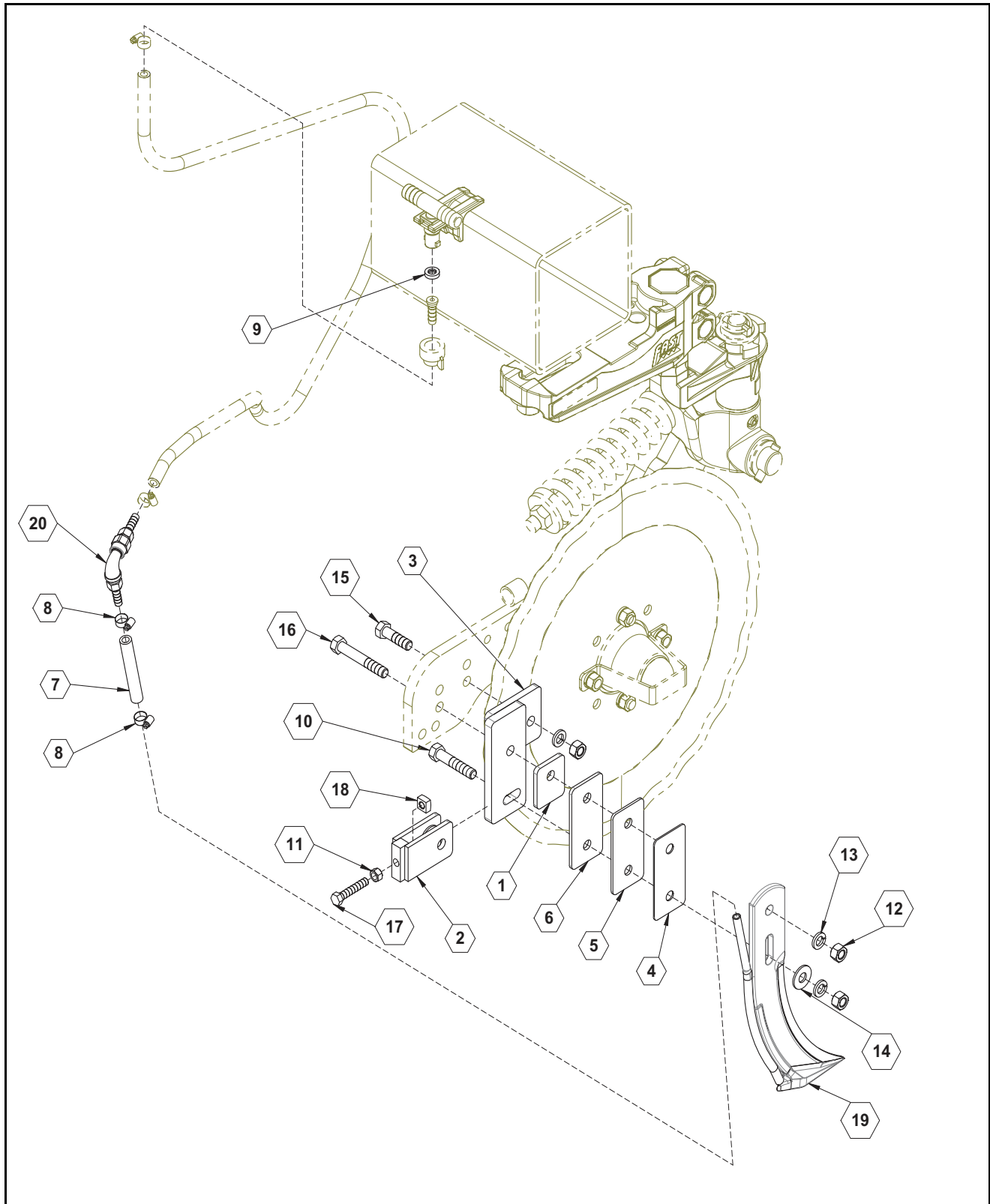
DeFender for Injection Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	21805	1	COULTER DEFENDER®
2	596153M	2	BOLT, HH 1/2-13X1-1/2 GR5 MAGNI
3	596619M	2	NUT, TOPLOCK 1/2-13 MAGNI
4	800273	2	DECAL, FAST DEFENDER®



ILLUSTRATED PARTS LIST

AP Coulter Knife Option Assembly



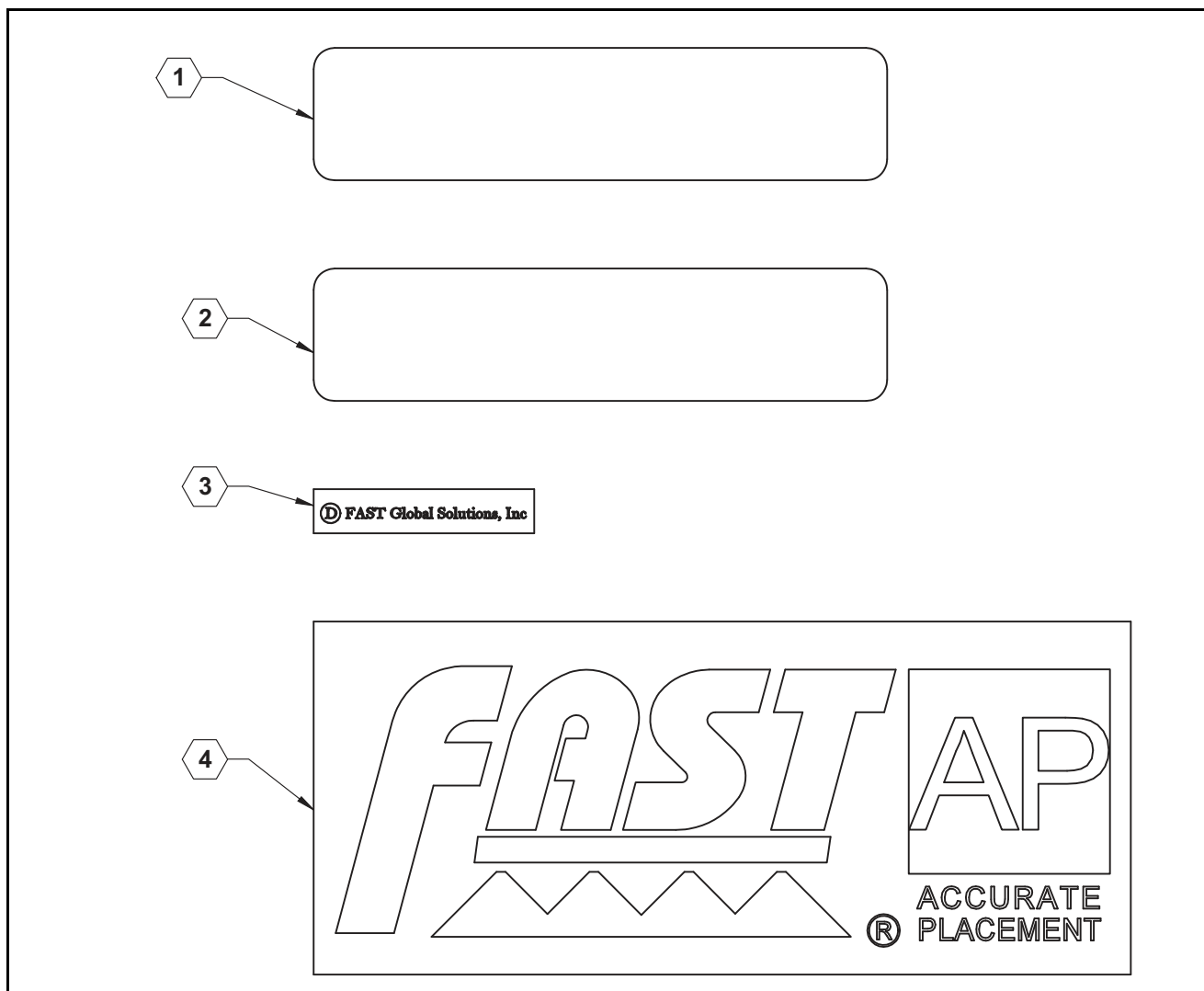


ILLUSTRATED PARTS LIST

AP Coulter Knife Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	17909	1	PLATE, SHIM SPACER
2	17910	1	KNIFE ADJUSTER BRACKET
3	17915	1	KNIFE MOUNT
4	17920	1	KNIFE SHIM, 14 GA
5	17921	1	KNIFE SHIM, 10 GA
6	17922	1	KNIFE SHIM, 7 GA
7	510020	1	HOSE, 3/8", EPDM
8	540032	2	CLAMP, HOSE 5/16"
9	590029	1	SEAL, EDPM RUBBER
10	596155M	1	BOLT, HH 1/2 X 2.5" GR5 MAGNI
11	596213M	1	NUT, HEX 3/8" MAGNI
12	296215M	3	NUT, HEX 1/2" MAGNI
13	596251M	3	WASHER, LOCK 1/2" MAGNI
14	596260M	1	WASHER, FLAT 1/2" MAGNI
15	596639M	1	BOLT, HH 1/2 X 1.75" GR5 MAGNI
16	596640M	1	BOLT, HH 1/2 X 3.25" GR5 MAGNI
17	596660M	1	BOLT, HH 3/8 X 2" FT GR5 MAGNI
18	596762M	1	NUT, SQUARE 3/8" MAGNI
19	750003	1	KNIFE, EXTRA THIN W / 3/8" PIPE
20	90SACLYKNFCHCKVLV	1	KNIFE CHECK VALVE ASSEMBLY
NS	CP491663	AR	#63 ORIFICE DISK
NS	CP491665	AR	#65 ORIFICE DISK
NS	CP491672	AR	#72 ORIFICE DISK
NS	CP491675	AR	#75 ORIFICE DISK
NS	CP491677	AR	#77 ORIFICE DISK
NS	CP491678	AR	#78 ORIFICE DISK
NS	CP491680	AR	#80 ORIFICE DISK
NS	CP491689	AR	#89 ORIFICE DISK
NS	CP491691	AR	#91 ORIFICE DISK
NS	CP491693	AR	#93 ORIFICE DISK
NS	CP4916103	AR	#103 ORIFICE DISK
NS	CP4916107	AR	#017 ORIFICE DISK
NS	CP4916115	AR	#115 ORIFICE DISK
NS	CP4916125	AR	#125 ORIFICE DISK
NS	CP4916132	AR	#132 ORIFICE DISK
NS	CP4916144	AR	#144 ORIFICE DISK
NS	CP4916151	AR	#151 ORIFICE DISK
NS	CP4916177	AR	#177 ORIFICE DISK

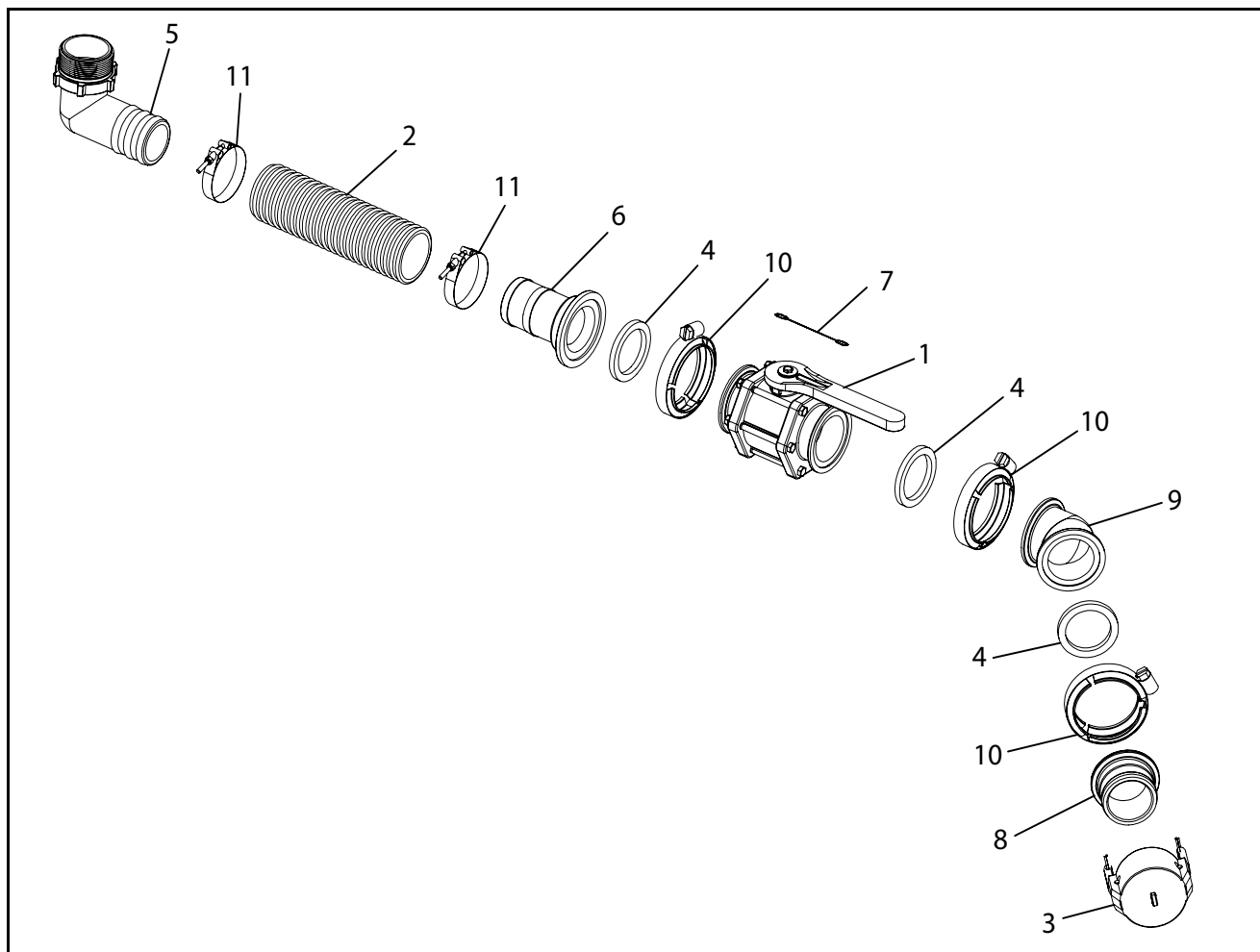
Coulter Decal Assembly



Coulter Decal Assembly Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	800197	1	DECAL, SHANK PATENT
2	800198	1	DECAL, UPPER MOUNT PATENT
3	800209	1	DECAL, D FAST GLOBAL SOLUTIONS
4	800210	1	DECAL, FAST AP COULTER LOGO

8218-8224 3 Inch Quick Fill



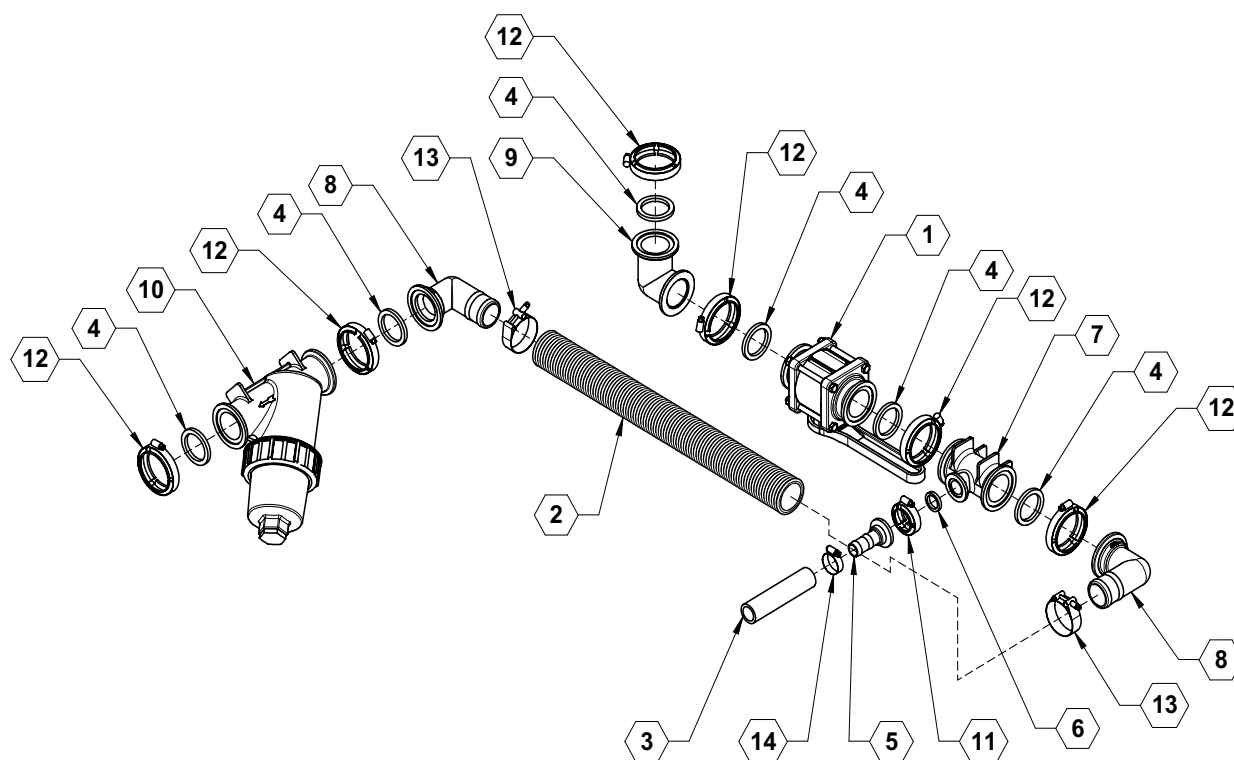
8218-8224 3 Inch Quick Fill Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500042	1	VALVE, 3" MANIFOLD
2	510004	1	HOSE, 3" FERTILIZER
3	530023	1	CAP, 3"
4	530024	3	3" EDPM GASKET
5	530053	1	3" HOSE BARB ELBOW 90°
6	530113	1	3" MANIFOLD X 3" HOSE BARB
7	530179	1	LANYARD
8	530233	1	3" MANIFOLD X 3" MALE ADAPTER
9	530234	1	3" MANIFOLD COUPLER, 45°
10	540003	3	CLAMP, 3" WORM SCREW
11	540009	2	CLAMP, 3" T BOLT



ILLUSTRATED PARTS LIST

Large Cart Tank to Pump Plumbing



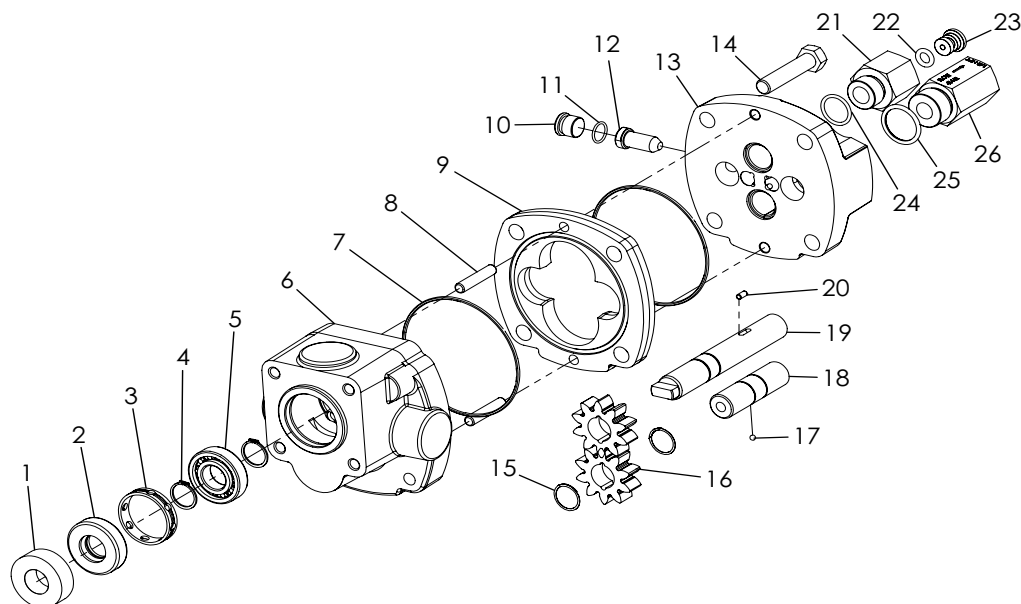
Large Cart Tank to Pump Plumbing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500006	1	VALVE, 2" FULL PORT MANIFOLD
2	510003	AR	HOSE, 2" BUMBLEBEE
3	510016	AR	HOSE, 1" EPDM X 6IN
4	530019	6	2" EDPM GASKET
5	530066	1	MANIFOLD, 1" X 1" HB
6	530068	1	GASKET, 1" EPDM
7	530099	1	MANIFOLD, 2" FP X 1" FLANGE TEE
8	530104	2	FLANGE, 2" FP X 2" HB 90
9	530106	1	MANIFOLD COUPLING 90° 2" FP
10	530125	1	STRAINER, 2" FULL PORT LINE
11	540000	1	CLAMP, WORM SCREW 1"
12	540002	6	CLAMP, 2" FULL WORM SCREW
13	540007	2	CLAMP, HOSE 2" T-BOLT
14	540014	1	CLAMP, STAINLESS 1" #16
NS	550011	1	PUMP, HYPRO
NS	550025	1	PUMP, ACE, 205-304
NS	530024	AR	3" EDPM GASKET
NS	530316	AR	MANIFOLD REDUCER 3" X 2" CPLR (W/ 3" PUMP INLET)
NS	540003	AR	CLAMP, 3" WORM SCREW



ILLUSTRATED PARTS LIST

Ace 205 Motor



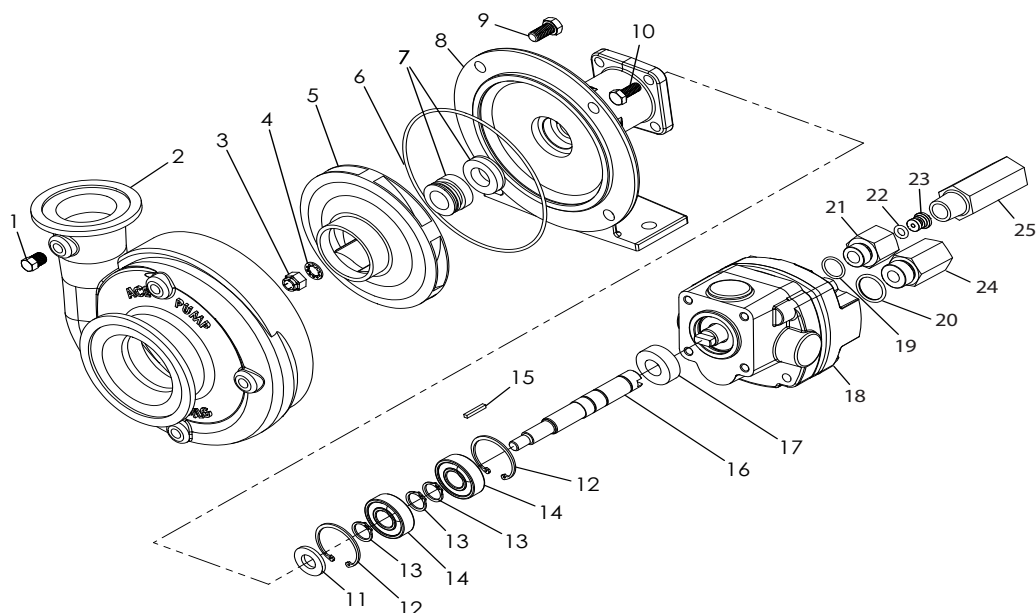
Ace 205 Motor Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	41110	4	PIPE PLUG
1	41120	4	PIPE PLUG, STAINLESS STEEL (OPTIONAL)
2	41535	1	VOLUTE, 300 STANDARD FLANGE X 220 FULL PORT FLANGE
3	40393	1	NUT, 3/8" NF, STAINLESS STEEL
4	42702	1	WASHER, 3/8", STAINLESS STEEL, SELF-LOCKING
5	40434	1	IMPELLER, WITH EXTENDED KEYWAY, THERMOPLASTIC
5	40433	1	IMPELLER, WITH EXTENDED KEYWAY, CAST IRON (OPTIONAL)
5	40436	1	IMPELLER, WITH EXTENDED KEYWAY, 316 STAINLESS STEEL (OPTIONAL)
6 ¹	40149	1	SEAL, SILICON CARBIDE
7 ¹	40005	1	O-RING, BODY SEAL
8	40338	1	MOUNTING FRAME FOR 205 PUMP
9	40950	4	CAP SCREW, 3/8" NC X 3/4" HEX HEAD
9	40930	4	CAP SCREW, 3/8" NC X 3/4" HEX HEAD, STAINLESS STEEL (OPTIONAL)
10	41330	4	CAP SCREW, 5/16" NC X 3/4" HEX HEAD, MOTOR TO PUMP
11	41130	1	SLINGER
12	40820	2	SNAP RING, INTERNAL, BAC-14-205 MOUNTING FRAME
13	40385	3	SNAP RING, EXTERNAL, BAC-6-205 SHAFT
14	40880	2	BALL BEARING, SEALED, BAC-6-205 SHAFT
15	40068	1	SHAFT, EXTENDED KEYWAY, TANG, STAINLESS STEEL
16	40425	1	KEY, 1/8" X 1/8" X 13/16", EXTENDED KEYWAY
17	40163	1	SEAL SUPPORT SPACER, S305 FOR 205 SERIES PUMPS
18	41343	1	HYDRAULIC MOTOR, 11 GPM, EFFECTIVE 5/13
19	41875	1	O-RING, #8 SAE FITTING
20	41445	1	O-RING, #10 SAE FITTING
21	41455	1	BODY, RESTRICTOR ORIFICE, #8 SAE X 1/2" NPT
22	41448	1	O-RING, ORIFICE INSERT
23	41447	1	ORIFICE INSERT, RESTRICTOR INSERT
24	41442	1	REVERSE CHECK ASSEMBLY, #10 SAE X 1/2" NPT
25	41429	1	FLOW LIMITER (OPTIONAL)
NS	52705	AR	REPAIR KIT FOR FMC-205 PUMP WITH SILICON CARBIDE SHAFT SEAL
NS	41362	AR	MOTOR REPAIR KIT, INCLUDES 2, 7, 11



ILLUSTRATED PARTS LIST

Ace 304 Pump



Ace 304 Pump Parts List

ITEM	PART NO.	PART NO.	QTY.	DESCRIPTION
	Model 304N	Model 310N		
1	40162	40162	1	SEAL SUPPORT SPACER, S300 FOR 200 SERIES PUMPS
1	40163	40163	1	SEAL SUPPORT SPACER, S305 FOR 205 SERIES PUMPS
2*	40154	40154	1	SEAL CARTRIDGE, BAC-75-300-TLS
3	43056	43056	1	SPACER SEAL/BEARING, PERFORATED, 300 SERIES MOTOR
4	43205	43205	2	RETAINING RING, BEARING
5	43225	43225	1	BALL BEARING
6	43016	43016	1	DRIVE PLATE
7*	43130	43130	2	O-RING, HOUSING SEAL
8	43085	43080	2	DOWEL PIN, HOUSING
9	43005	43000	1	GEAR HOUSING
10	43277	43277	1	CAP, NEEDLE VALVE WITH O-RING, 300N SERIES MOTOR
11*	43276	43276	1	O-RING, NEEDLE VALVE CAP
12	43266	43266	1	NEEDLE, 300N SERIES MOTOR
13	43022	43022	1	END PLATE, 300N SERIES MOTOR
14	43185	43180	4	CAP SCREW, 3/8" N.C. HEX HEAD
15	43240	43240	2	RETAINING RING, GEAR
16	43035	43030	2	GEAR
17	43250	43250	1	BALL, IDLER SHAFT
18	43235	43230	1	IDLER SHAFT
19	43046	43039	1	DRIVE SHAFT
20	43195	43190	1	DOWEL PIN, DRIVE SHAFT
21	41455	41455	1	BODY, RESTRICTOR ORIFICE, #8 SAE X 1/2" NPT
22	41448		1	O-RING, ORIFICE INSERT
23	41447		1	ORIFICE INSERT, RESTRICTOR INSERT
24	41875	41875	1	O-RING, #8 SAE FITTING
25	41445	41445	1	O-RING, #10 SAE FITTING
26	41442	41442	1	REVERSE CHECK ASSEMBLY, #10 SAE X 1/2" NPT
*	41362	41362	AR	MOTOR REPAIR KIT, INCLUDES 2, 7, 11



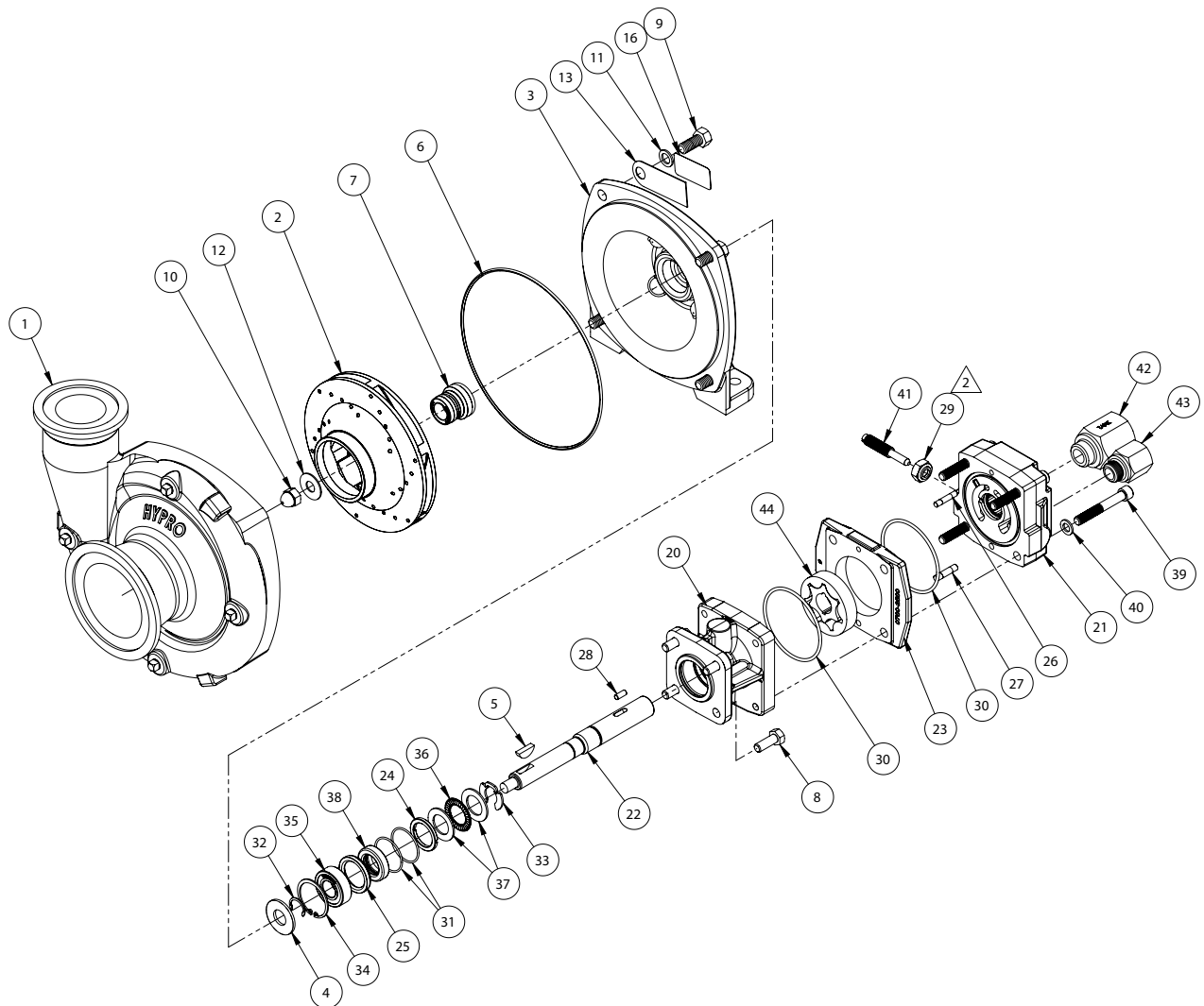
ILLUSTRATED PARTS LIST





ILLUSTRATED PARTS LIST

Hypro Pump



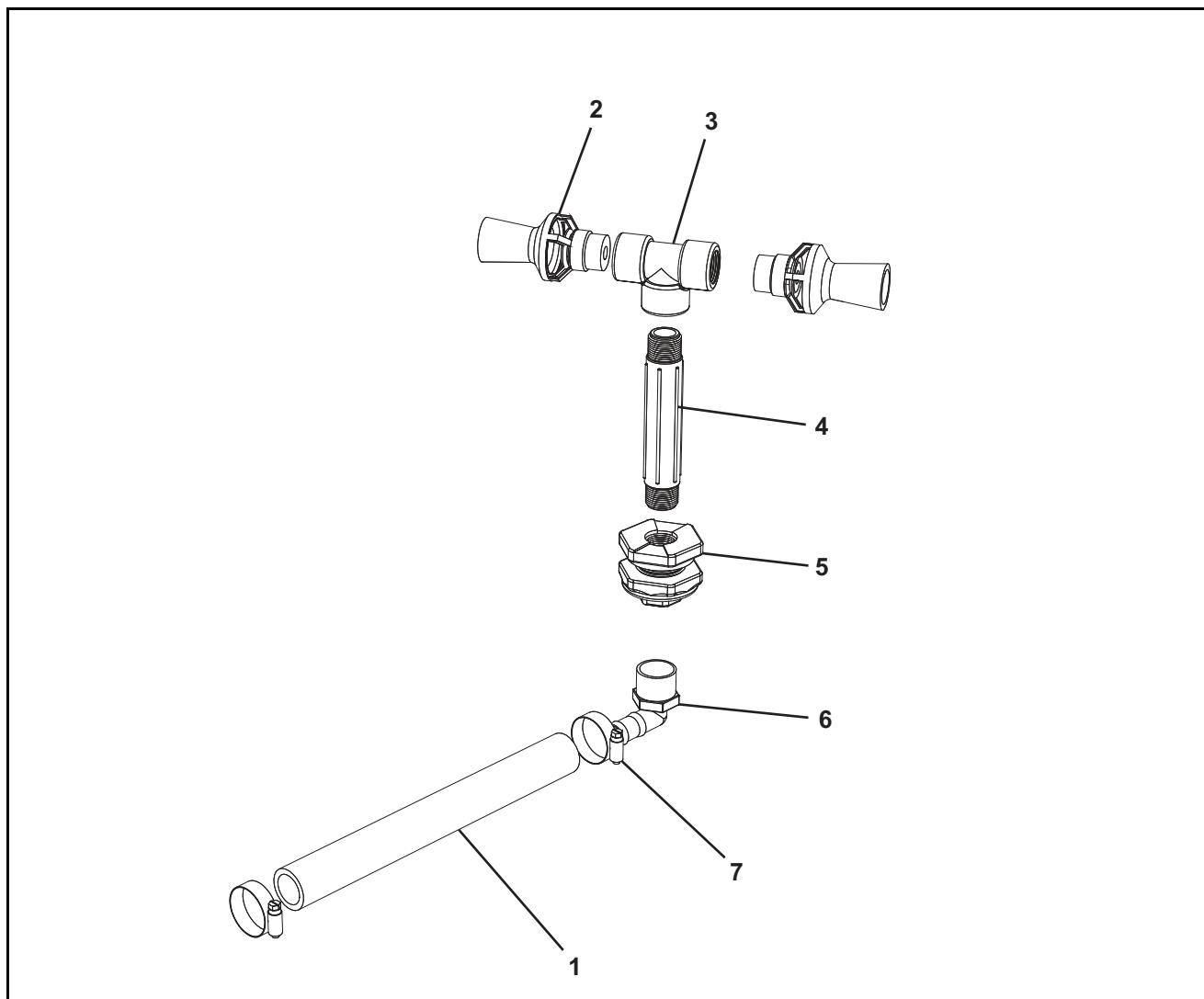


ILLUSTRATED PARTS LIST

Hypro Pump Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	0158-9200C	1	PUMP HOUSING, 300X220 U.FLG
2	0401-9200P2	1	IMPELLER (CW ROTATION)
3	0750-9300C2	1	MOUNTING FLANGE
4	1410-0056	1	SLINGER SEAL
5	1610-0012	1	WOODRUFF KEY
6	1720-0083	1	O-RING
7	2120-0039	1	SEAL, MECHANICAL
8	2210-0005	4	CAP SCREW, HEX HEAD 5/16"-18 X 7/8"
9	2210-0020	4	CAP SCREW, HEX HEAD 3/8"-16 X 7/8"
10	2253-0002	1	ALCNUT 0.3750-24-N
11	2270-0041	1	WASHER
12	2270-0071	1	IMPELLER WASHER
13	2270-0076	1	TAG
14	3031-0134	1	CARTON - INDIVIDUAL
15	3435-0171	1	PACKING KIT
16	6031-0325	1	DECAL
17	6031-0340	1	LABEL READY FOR ROUND UP
18	6031-0343	1	INSTRUCTION TAG
19	6031-0373	1	CE STICKER LABEL
20	0150-2500C	1	BODY ASSY-SMALL PILOT
21	0254-2500C2	1	END PLATE ASSY
22	0533-2500	1	SHAFT
23	0700-2500C1	1	GEROTOR HOUSING HM1, COATED
24	1410-0130	1	SPACER, 3L SEAL
25	1410-0131	1	CARTRIDGE, FRONT
26	1600-0037	1	DOWEL PIN
27	1600-0044	1	DOWEL PIN
28	1610-0031	1	HM1 & HM5 ROUND KEY
29	1700-0245	1	NUT, SEALING
30	1720-0110	2	O-RING
31	1720-0268	2	O-RING
32	1810-0014	1	RETAINING RING
33	1810-0026	1	RETAINING RING
34	1820-0013	1	INT. RET. RING
35	2000-0010	1	BEARING, BALL
36	2029-0009	1	BEARING, THRUST
37	2029-0010	2	BEARING RACE, THRU
38	2104-0010	1	LIP SEAL
39	2220-0021	4	SCREW, SOCKET HEAD
40	2270-0039	4	WASHER, FLAT 5/16"
41	3220-0029	1	VALVE STEM
42	3320-0052A	1	CHECK VALVE ASSY - TANK PORT
43	3360-0023A	1	ADAPTER-INLET PORT ASSY
44	3900-0022	1	GEROTOR

8218-8224 Agitation



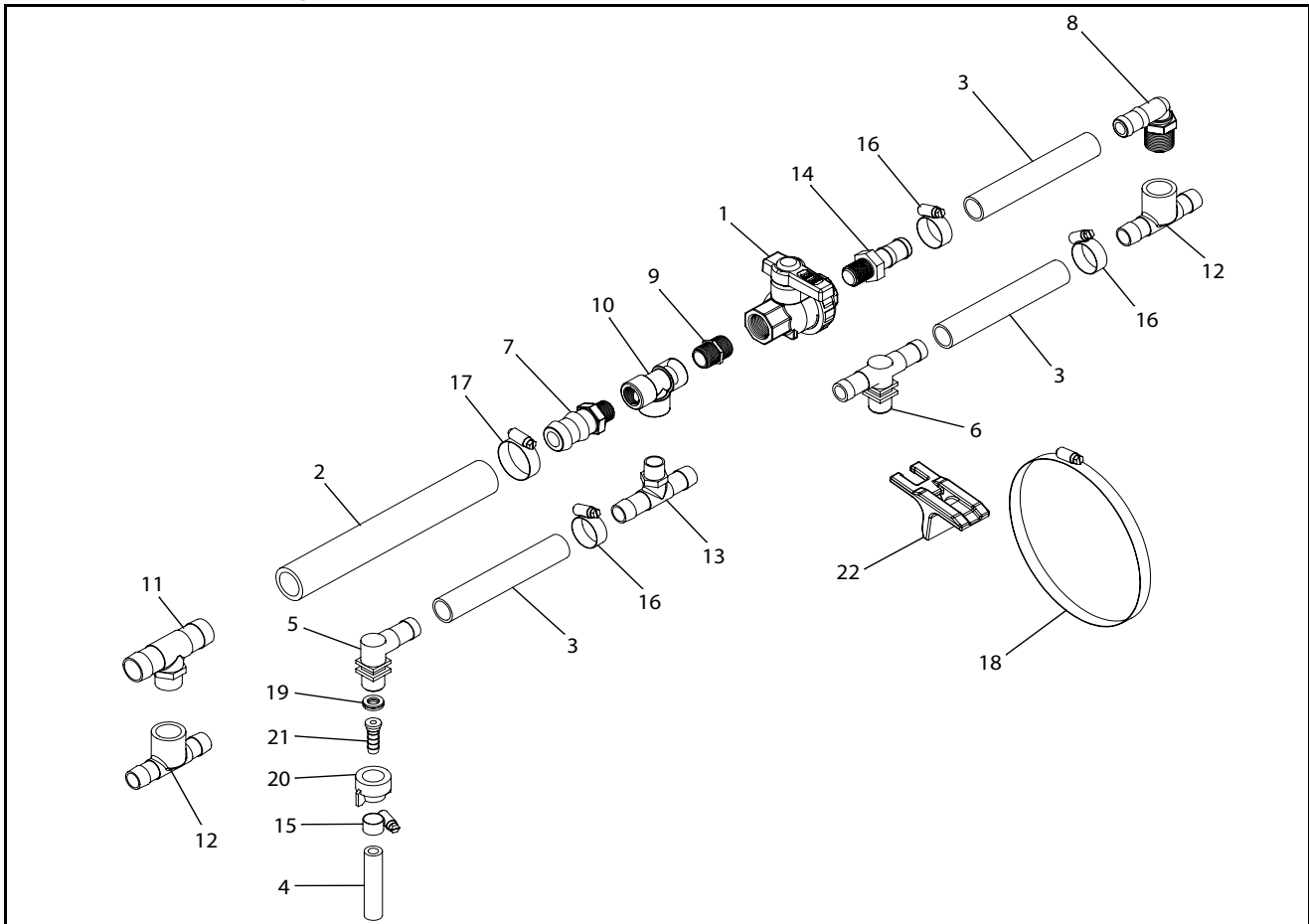
8218-8224 Agitation Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	510016	AR	HOSE, 1" EPDM X 6IN
2	520029	2	AGITATION NOZZLE
3	530156	1	3/4" FPT POLY TEE
4	530130	1	NIPPLE 3/4" X 6
5	530160	1	BULKHEAD 3/4" NPT
6	530036	1	HOSE BARB ELBOW 3/4" NPT X 1" HOSE
7	540014	2	CLAMP, STAINLESS 1" #16



ILLUSTRATED PARTS LIST

Toolbar Plumbing



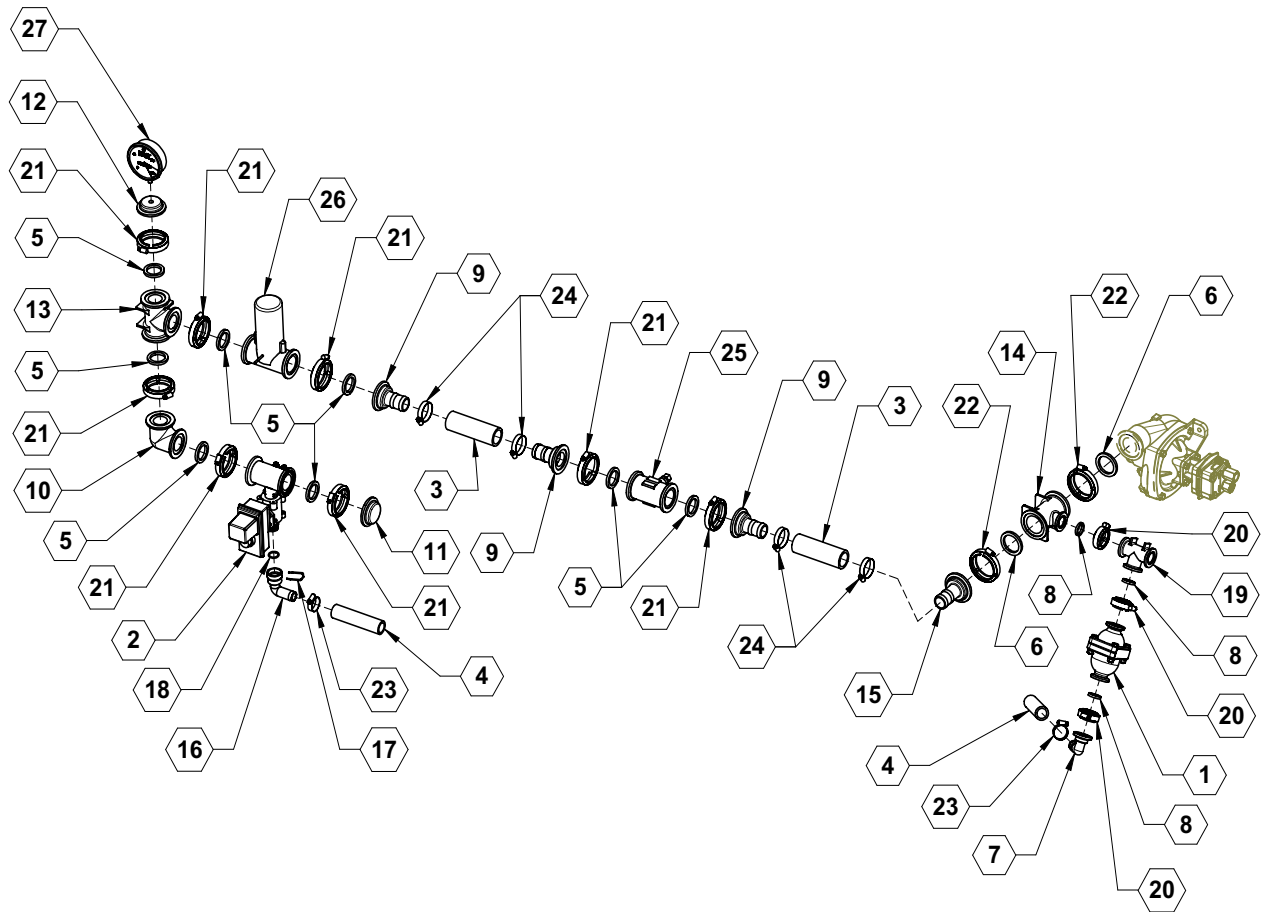
Toolbar Plumbing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500043	AR	VALVE, 3/4"
2	510016	AR	HOSE, 1" EPDM X 6 IN
3	510019	AR	HOSE, 3/4", EPDM
4	510020	AR	HOSE, 3/8", EPDM
5	520003	AR	3 NOZZLE, SINGLE HOSE SHANK NYB 3
6	520004	AR	NOZZLE, DOUBLE HOSE SHANK NYB
7	530039	AR	3/4" MPT X 1" HOSE BARB
8	530040	AR	3/4" MPT X 3/4" HOSE BARB 90°
9	530131	AR	3/4" MPT SHORT NIPPLE
10	530156	AR	3/4" FPT POLY TEE
11	530181	AR	3/4" MPT X 1" HOSE BARB TEE
12	530220	AR	3/4" FPT X 3/4" HOSE BARB TEE
13	530221	AR	3/4" MPT X 3/4" HOSE BARB TEE
14	530230	AR	3/4" MPT X 3/4" HOSE BARB
15	540011	AR	CLAMP, 3/8"
16	540013	AR	CLAMP, STAINLESS 3/4" #12
17	540014	AR	CLAMP, STAINLESS 1" #16
18	540021	AR	CLAMP, 4 1/8 - 7"
19	590029	AR	SEAL, EDPM RUBBER
20	590076	AR	CAP
21	590077	AR	CONNECTOR, HOSE BARB
22	590187	AR	MOUNT, PLUMBING



ILLUSTRATED PARTS LIST

Large Frame Pump to Valve Plumbing





ILLUSTRATED PARTS LIST

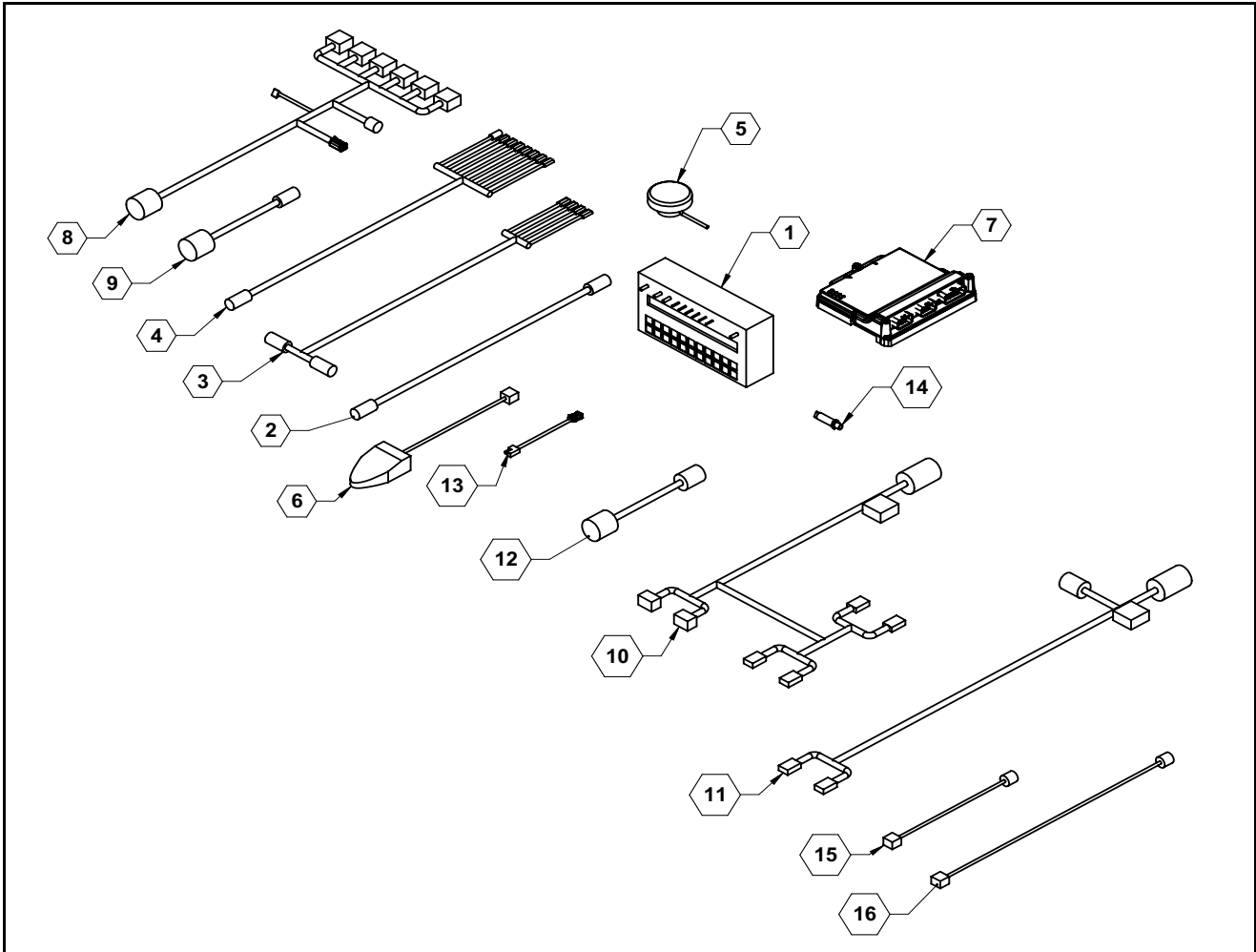
Large Frame Pump to Valve Plumbing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500004	1	VALVE, 100 PSI RELIEF
2	500027	1	VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK)
2	500028	1	VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)
3	510014	2	HOSE, 1-1/2" EPDM
4	510016	2	HOSE, 1" EPDM X 6IN
5	530014	8	1-1/2" EDPM GASKET
6	530019	2	2" EDPM GASKET
7	530067	1	FITTING, 1" MANIFOLD X 1" HB 90°
8	530068	3	GASKET, 1" EPDM
9	530079	3	MANIFOLD FLANGE, 2" X 1-1/2" HB
10	530089	1	MANIFOLD COUPLER, 2" X 90~ SHORT
11	530093	1	MANIFOLD PLUG, 2"
12	530094	1	PLUG, 2" MANIFOLD W/ HOLE
13	530097	1	MANIFOLD TEE, 2"
14	530099	1	MANIFOLD, 2" FP X 1" FLANGE TEE
15	530100	1	MANIFOLD FLANGE, 2" FP X 1-1/2" HB
16	530190	1	HOSE BARB, QUICK CONNECT 1" 90~
17	530193	1	RETAINING CLIP
18	530198	1	O-RING, VITON
19	530298	1	MANIFOLD TEE, 1"
20	540000	3	CLAMP, WORM SCREW 1"
21	540001	8	CLAMP, 2" STD WORM SCREW
22	540002	2	CLAMP, 2" FULL WORM SCREW
23	540014	2	CLAMP, STAINLESS 1" #16
24	540016	4	CLAMP, 1-1/2" SS
25	631804	1	FLOW METER, 60P
25	631801	1	FLOW METER, 100P
26	632079	1	VALVE, BUTTERFLY, 1.5", RAVEN, W/DEUTCH CONNECTOR
26	631805	1	VALVE, BUTTERFLY, 1.5", RAVEN, W/MOLDED CONNECTOR
27	790020	1	GAUGE, FAST LOGO 160PSI
NS	530102	AR	MANIFOLD COUPLER, REDUCER 220 TO 200



ILLUSTRATED PARTS LIST

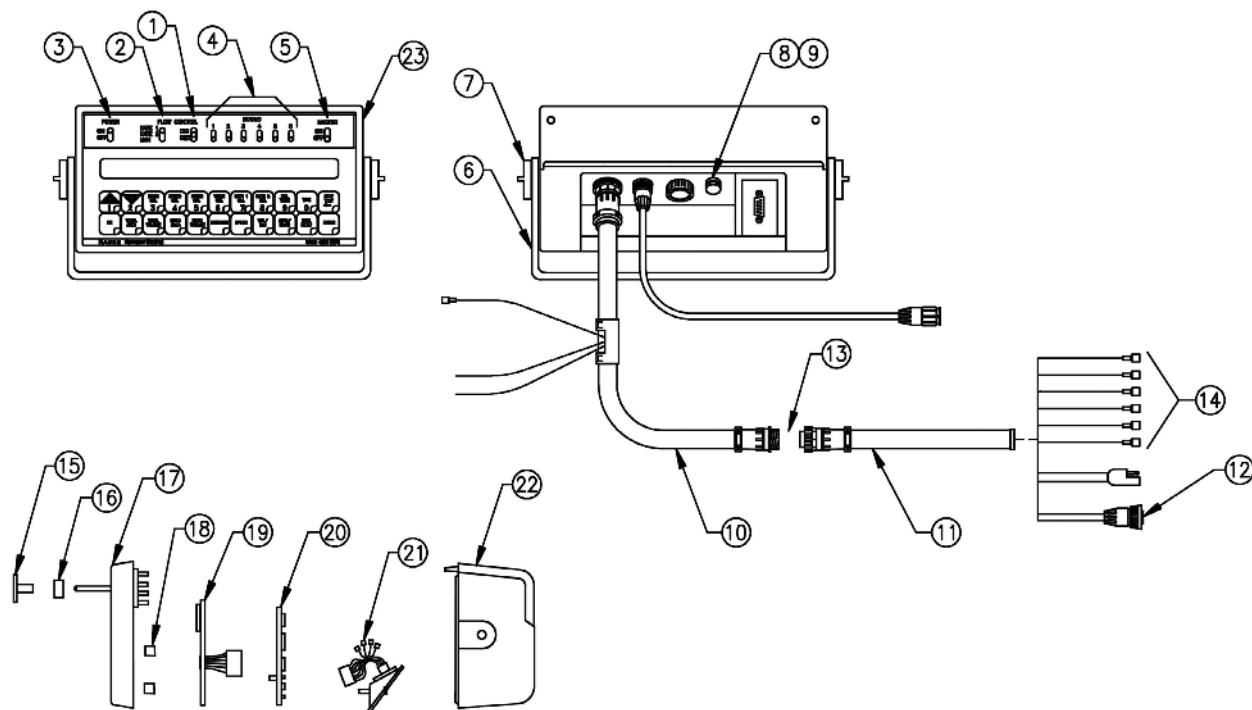
Raven Components



Raven Components Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	631803	AR	6 SECTION 450 CONSOLE
2	631814	AR	12' 16 PIN EXTENSION CABLE
3	631818	AR	10' 440/450 CONSOLE CABLE
4	631819	AR	16 PIN 6 SECTION CABLE
5	631832	AR	GPS SPEED SENSOR
6	631856	AR	FOOTSWITCH
7	632010	AR	RCM
8	632027	AR	47 PIN 6 SECTION CABLE
9	632028	AR	47 PIN TO 16 PIN ADAPTER
10	632029	AR	47 PIN RCM Y-CABLE
11	632031	AR	12' ISO TO IBIC CABLE
12	632033	AR	47 PIN TO 37 PIN ADAPTER
13	632034	AR	TRAILER TO DEUTSCH PLUG ADAPTER CABLE
14	632036	AR	PRESSURE TRANSDUCER
15	632061	AR	CABLE, FOOTSWITCH, 12'
16	632062	AR	CABLE, FOOTSWITCH, 23'
NS	631802	AR	3 SECTION 440 CONSOLE

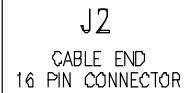
Raven SCS450 Console



ITEM	DESCRIPTION	RAVEN PART #
1	Manual Adj. Switch	412-2011-049
2	Rate1/Rate2/Manual Switch	019-0159-078
3	Power Switch	412-2011-048
4	Boom Switch	412-2003-010
5	Master Switch	412-2011-046
6	Mounting Bracket	106-0159-437
7	Mounting Knob	106-0159-438
8	Fuse Holder	510-2001-018
9	Fuse, 15 Amp.	510-1003-003
10	Console Control Cable (10 ft.)	115-0159-492
	Console Control Cable (3 ft.)	115-0159-707
11	Flow Control Cable (6 ft.)	115-0159-495
	Flow Control Cable (12 ft.)	115-0159-496
	Flow Control Cable (24 ft.)	115-0159-708
12	Flow Meter Cable Ext. (6 ft.)	115-0159-016
	Flow Meter Cable Ext. (12 ft.)	115-0159-017
13	Flow Ext. Cable (12 ft.)	115-0159-493
	Flow Ext. Cable (24 ft.)	115-0159-494
14	Assorted Terminal Kit	117-0159-402
15	Switch Cover	063-0159-734
16	1-Set Filler Spacers	117-0159-421
17	Face Plate Assembly	063-0172-024
18	Display Board Spacer	107-0159-478
19	LCD Display Board	063-0171-961
20	Processor Board (Serial Interface)	064-0159-745
21	Connector Plate Assembly (Serial Interface)	063-0172-022
22	Back Assembly	063-0159-530
23	SCS 450 Console (Serial Interface)	063-0171-220



J1
CONSOLE END
16 PIN CONNECTOR



T1
REMOTE SWITCH

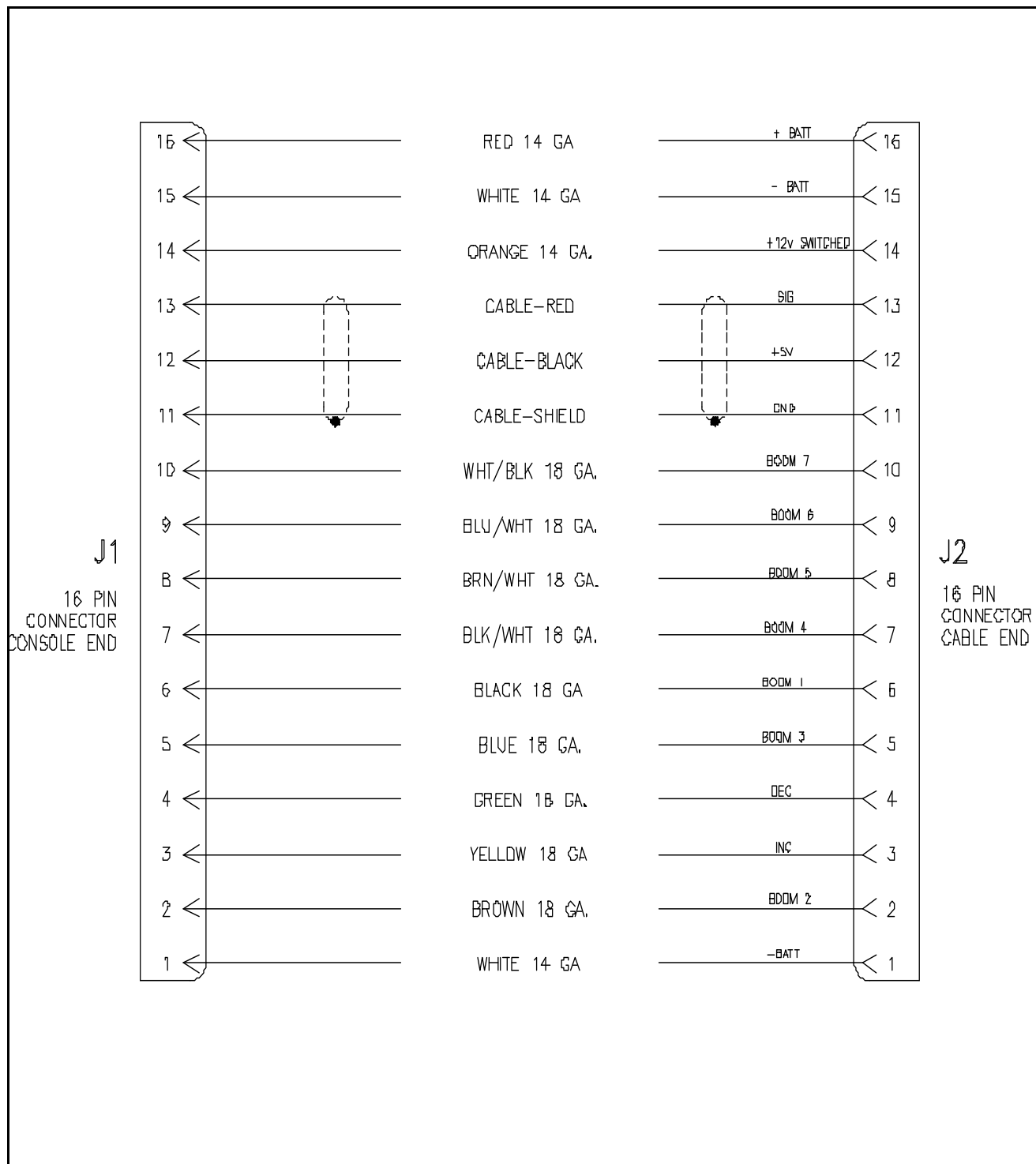
T2
+12V SWITCHED

J3
RADAR



ILLUSTRATED PARTS LIST

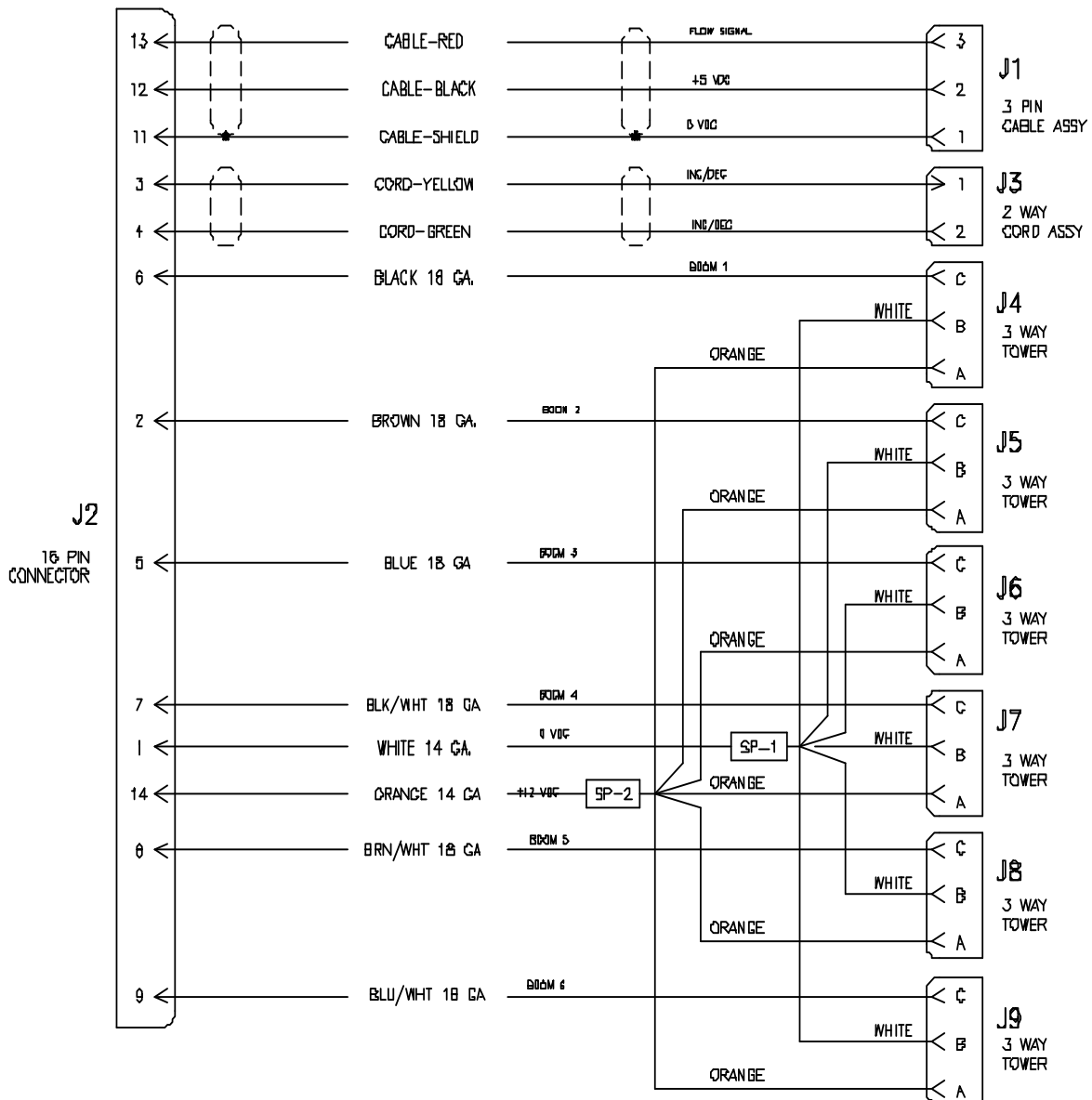
Control Harness 155-0159-856





ILLUSTRATED PARTS LIST

Control Harness 155-0171-086





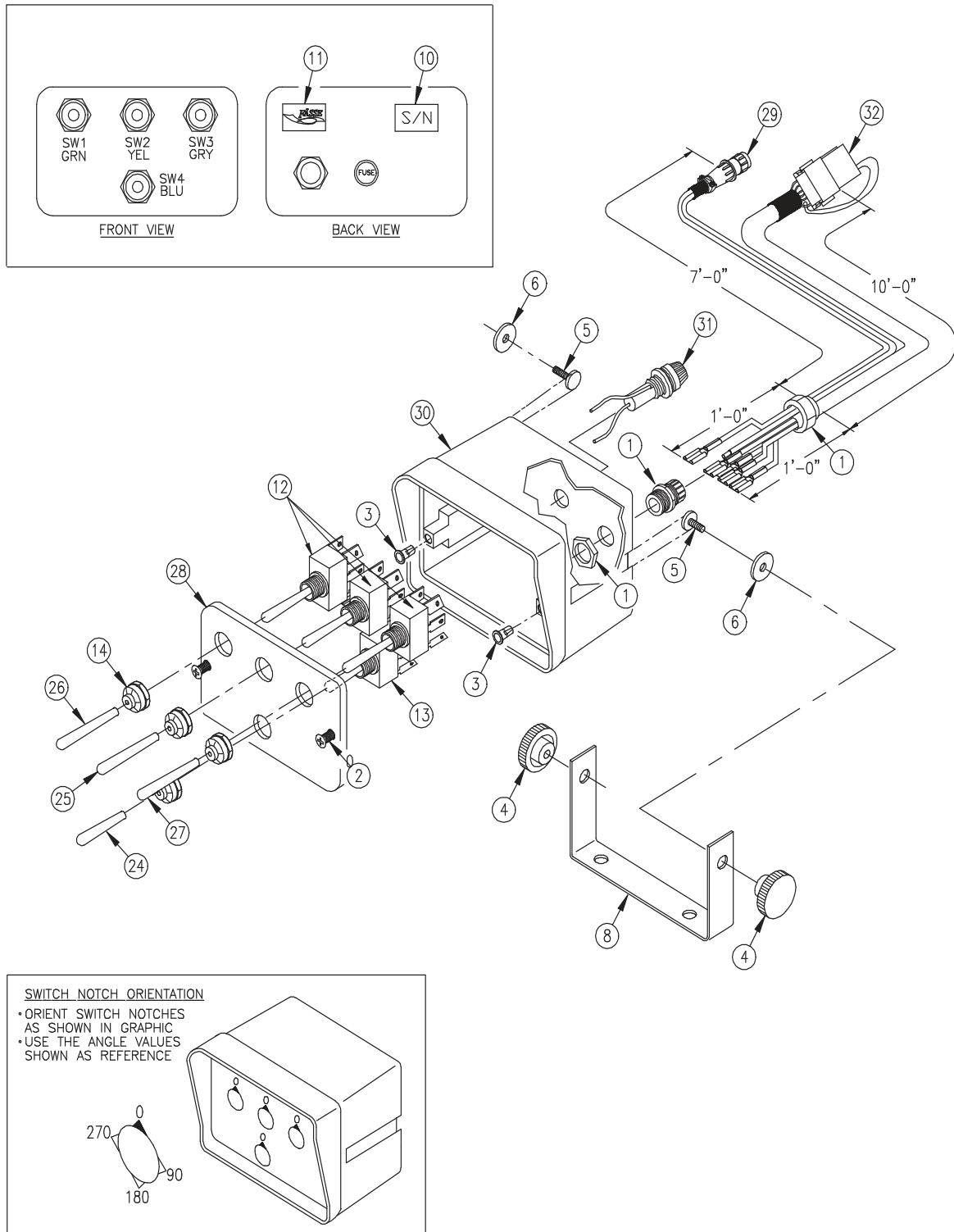
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ILLUSTRATED PARTS LIST

Fold Control Cab Box





ILLUSTRATED PARTS LIST

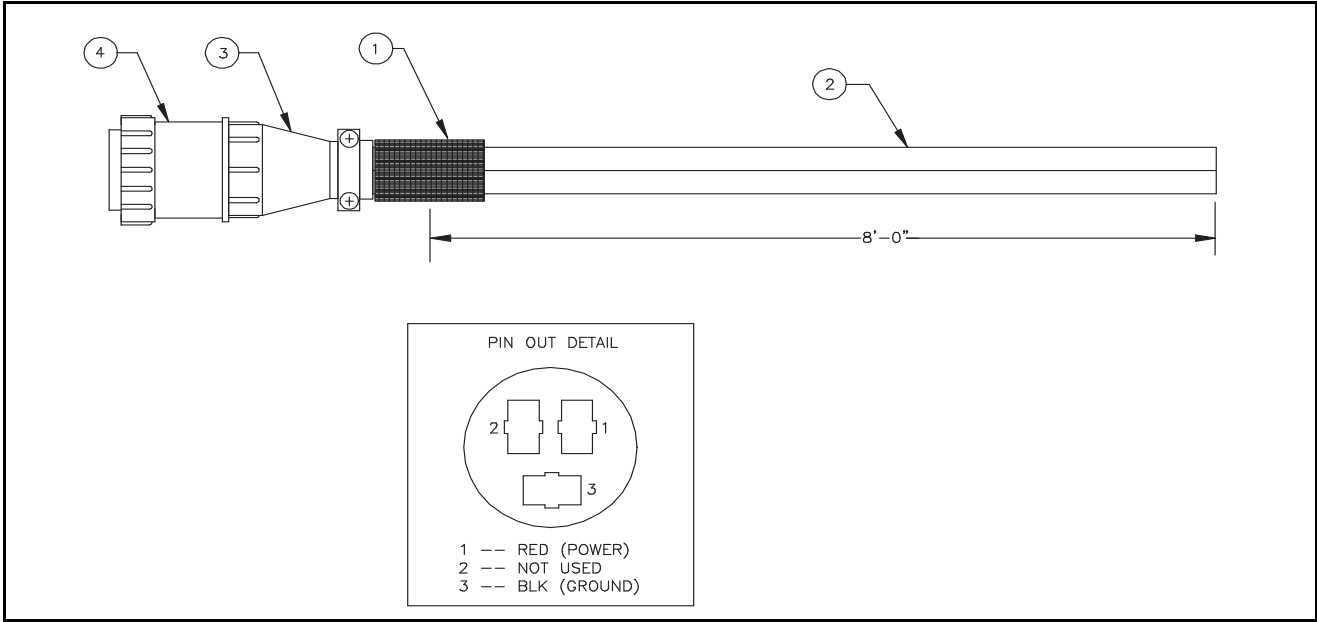
Fold Control Cab Box Parts List

Item	Vendor Part #	Qty.	Description
1	210-710	1	STR RLF HEYCO .23 - .53 ID HOLE DIA .886
2	212-184	2	SCREW 6-32 X 3/8 OVAL HD BLK
3	212-202	2	INSERT 6-32 X 3/8 BRASS
4	212-215	2	KNOB 1/4-20 FEMALE
5	212-231	2	SCREW, WELDED 1/4-20 X .500
6	213-335	2	WASHER NYLON .257 X .875 X .060
7	214-002	3	CABLE TIE BLACK
8	219-300	1	BRACKET HOUSING MONITOR
9	230-057	1	BAG POLY CLEAR 14 X 18 2 MIL W/LOGO
10	232-050	2	DECAL S/N SILVER
11	232-059	1	DECAL GOLD/BLACK 1.5 X .5
12	250-013	3	SW TOG DPDT 3P MOM LONG
13	250-015	1	SW TOG DPDT 2P MOM SHORT
14	250-023	4	SW TOG BOOT OPN GREY
15	252-058	18"	WIRE BLACK 18 GA
16	252-059	24"	WIRE 18 GA BLACK
17	252-060	18"	WIRE 18 GA BLACK
18	252-001	1	DIODE D116A2 6 AMP
19	255-002	10	TRM T-TAP F PO BLUE
20	255-006	5	TRM PO F NON INS 20/18 GA
21	255-070	2	TRM PO MF 14-16 GA
22	255-119	5	TRM PO F INS 16-14 GA
23	255-285	1	TRM SPLICE CLOSED END LARGE
24	259-015	1	SW TOG GRIP VINYL BLUE .187
25	259-022	1	SW TOG GRIP VINYL YELLOW .187
26	259-023	1	SW TOG GRIP VINYL GREEN .187
27	259-027	1	SW TOG GRIP VINYL GREY .187
28	304-037	1	ENCL DRILL FP MONITOR SW4 F00204
29	314-217	1	HARNESS R/B WIRE SERIES 3 P/8
30	319-725	1	ENCL DRILL MNTRBX FH-7/8" STR RLF
31	319-769	1	FUSEHOLDER PM ASSM. 10A / .5'
32	320-184	1	HRN 12 CON 16 GA DTP KEY A 12P (12) 11' END CAP



ILLUSTRATED PARTS LIST

Wiring Harness



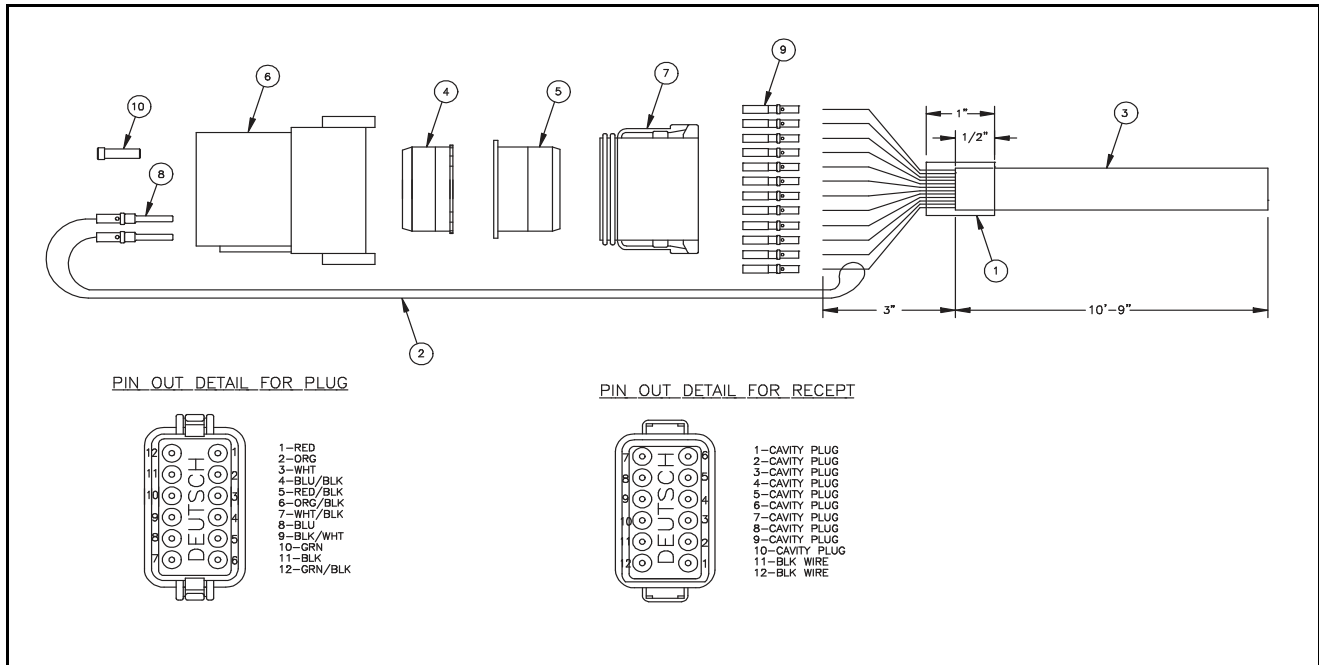
Wiring Harness Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	230-250	2"	SHRINK TUBING .250 BLACK
2	252-021	8'	WIRE RED/BLACK 16 GA ZIP
3	255-043	1	CENTER 16 PIN SHELL #17
4	255-233	1	CENTER AMP SOCKET
5	255-549	1	CENTER SERIES 3 17-3 PLUG



ILLUSTRATED PARTS LIST

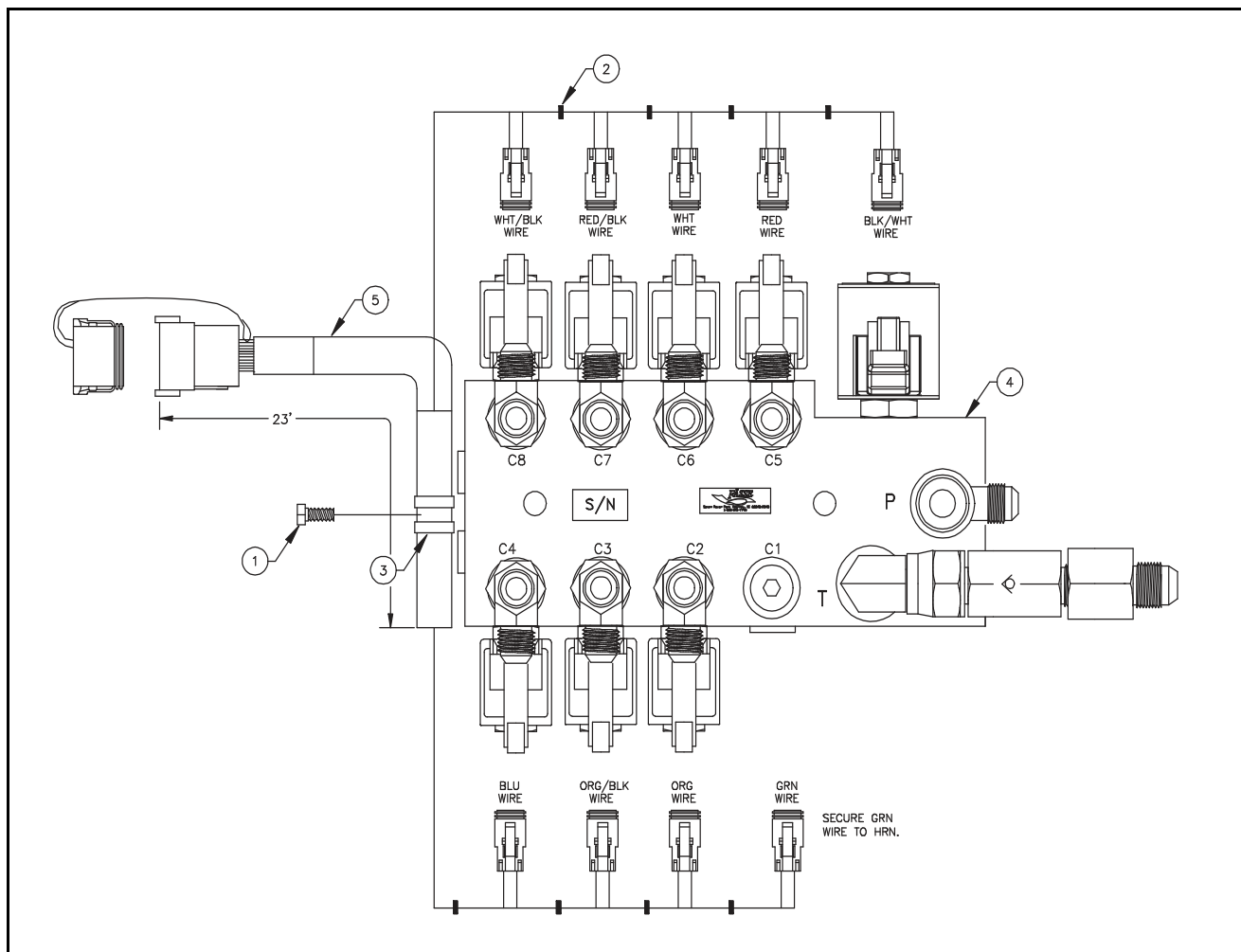
Harness Connector



Harness Connector Parts List

Item	Vendor Part NO.	Qty.	Description
1	231-009	1"	SHRINK TUBING .500 BLACK
2	252-058	12"	WIRE BLACK 18 GA
3	252-064	11'	CABLE 12 CON 18 GA PVC GREY
4	255-214	1	CONN DUET LOCK WEDGE 12 PIN DTR
5	255-215	1	CENTER LOCK WEDGE 12 PIN DTR
6	255-755	1	CONN DUET DT RCPT 12 PIN KEY A
7	255-756	1	CONN DUET DT PLUG 12 PIN KEY A
8	255-977	2	CONN DUET PIN 16-18 GA
9	255-978	12	CENTER DUETSCH SOCKET 16/18 GA.
10	255-979	10	CONN DUET CAVITY PLUG

Valve Harness



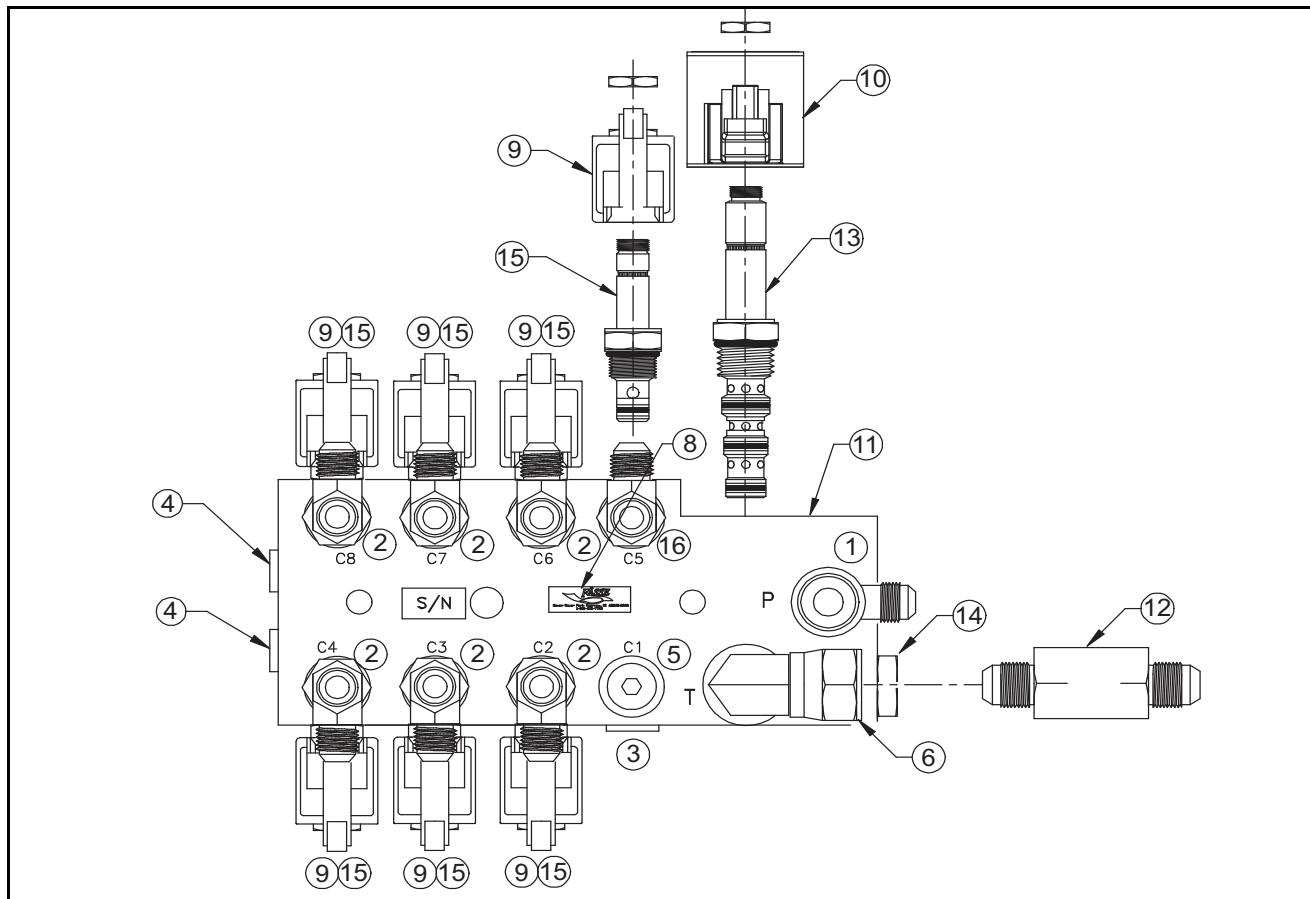
Valve Harness Parts List

Item	Vendor Part NO.	Qty.	Description
1	212-025	1	BOLT 5/16-18 X 0.75
2	214-002	11	CABLE TIE BLACK
3	255-026	1	LOOM CLAMP .5" ID METAL/RUBBER
4	302-468	1	MANIFOLD ASSEMBLY
5	304-039	1	HARNESS ASSEMBLY 23'



ILLUSTRATED PARTS LIST

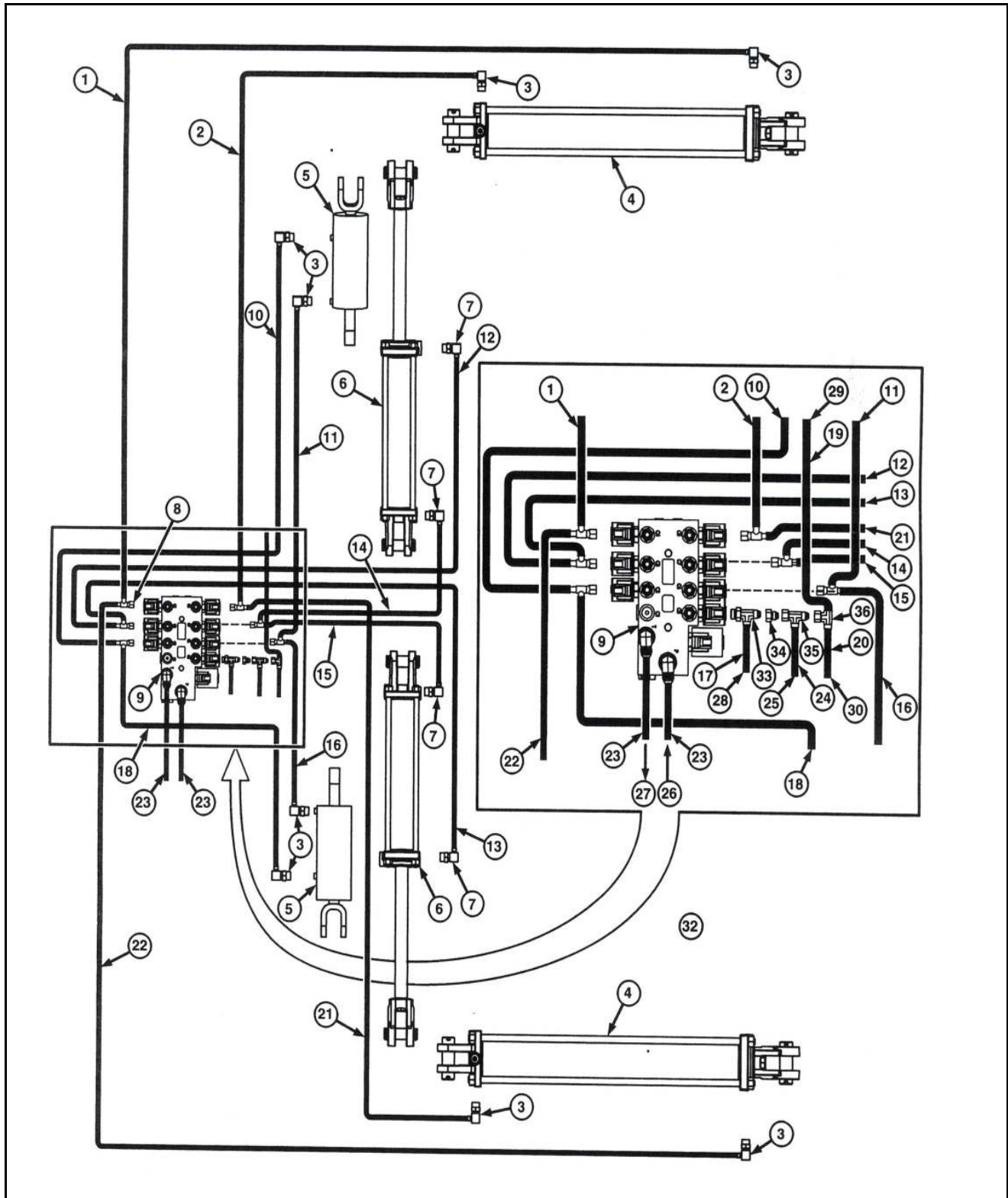
Valve Block



Valve Block Parts List

Item	Vendor Part #	FAST Part #	Qty.	Description
1	210-017	610097	1	FTG 6801-8-8 E-MJ-MO
2	210-023	610034	6	FTG 6804-04-06-04
3	210-038		1	FTG 6408-HHP-8/HOLL HEX PLUG MO
4	210-126		2	FTG 6408-HHP-4 HOLL HEX PLUG MO
5	210-127		1	FTG 6408-HHP-6 HOLL HEX PLUG MO
6	210-141		1	FTG 6409-8-9/E-MO-FJSW
7	232-050		6	DECAL S/N SILVER
8	232-058		1	DECAL GOLD/BLACK 1.5 X .5
9	253-046		2	COIL HYDAC 0312600 DL DSTCH RECPT.
10	253-421	630037	1	COIL H/F 4301892 0-10 INTG DEUT DTR 12V 1.67A DIODE
11	270-092		1	BLOCK M11204-2 804
12	271-034		1	CHECK VALVE VON 1908-8-8/S-MJ-MJ
13	273-008		1	CART SV10-40-0-N-00
14	273-012		1	CART CP10-20
15	273-077		1	CART HY WS08W-01-C-N-0 BI DIR POP 2/2 N
16		610074	1	FITTING ADAPTER 6804-6-6-6

Hydraulic Diagram-Fold System



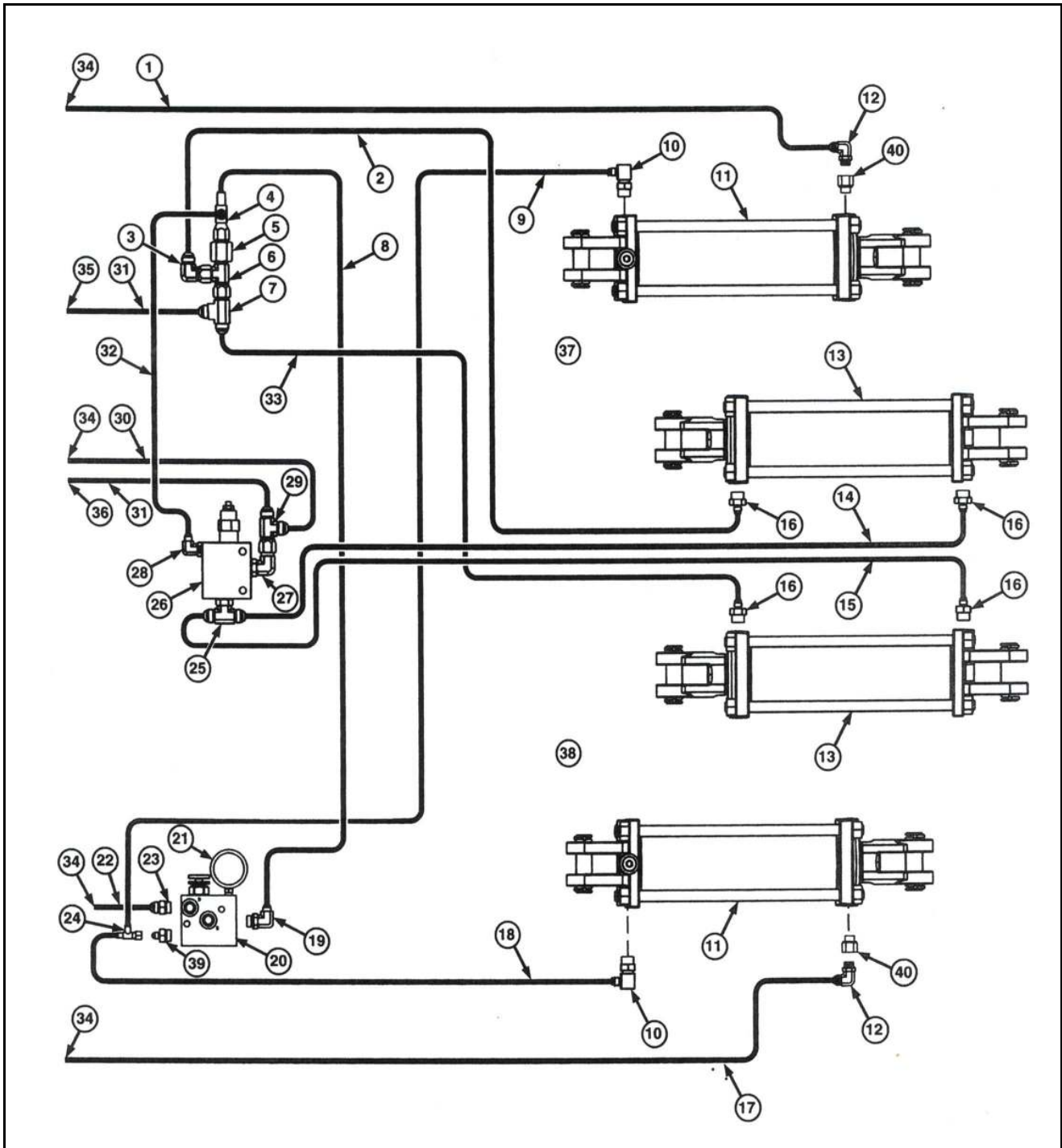


ILLUSTRATED PARTS LIST

Hydraulic Diagram-Fold System Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	PA600042-27	1	HOSE HYDRAULIC SEE PAGE 48 FOR SPEC'S
2	PA600040-11	1	HOSE HYDRAULIC SEE PAGE 48 FOR SPEC'S
3	610029	8	FITTING HYDRAULIC 6801-4-8 ELBOW ADAPTER
4	620039	2	CYLINDER FLIP WING (MI670213) 45TD24-200
NS	MI648472	AR	SEAL KIT FOR 620039 CYLINDER
5	620026	2	CYLINDER LATCH (PMI0003) 3004-150
NS	PMRKWP30153BPS	AR	SEAL KIT FOR 620026 CYLINDER
6	620028	2	CYLINDER WING SWING (MI648990) 30TD12-112
NS	661727	AR	SEAL KIT FOR 620028 CYLINDER
7	610039	4	FITTING ADAPTER RST 6801-04-08-R0.032
8	610034	6	FITTING ADAPTER 6804-4-6-4
9		1	BLOCK HYDRAULIC (PART OF 630027 BLOCK AND CAB BOX KIT)
10	PA600042-15	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
11	PA600042-32	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
12	PA600042-13	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
13	PA600042-30	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
14	PA600042-28	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
15	PA600042-29	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
16	PA600042-16	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
17	PA600063-1	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
18	PA600042-31	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
19	PA600064-2	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
20	PPA600064-4	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
21	PA600042-26	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
22	FDM 0049	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
23	PA600034-2	2	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
24	PA600064-1	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPEC'S
25	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
26	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
27	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
28	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
29	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
30	ROUTING INFO		HOSE ITEM 24 TO DOWN PRESSURE VALVE PORT 3
31			RIGHT HAND SIDE
32			LEFT HAND SIDE
33	610074	1	FITTING ADAPTER 6804-6-6-6
34	610108	1	FITTING ADAPTER 2406-06-08
35	610053	1	FITTING HYDRAULIC 6602-8-8-8 RUN TEE
36	610107	1	FITTING ADAPTER 6600-08-08-08

Hydraulic Diagram-Lift and Down Pressure





ILLUSTRATED PARTS LIST

Hydraulic Diagram-Lift and Down Pressure Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	PA600064-4	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
2	PA600042-2	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
3	610024	1	FITTING HYDRAULIC 6500-8 JIC ELBOW
4	610027	1	FITTING HYDRAULIC 6602-6-6-6 TUN TEE
5	610072	1	FITTING HYDRAULIC 2406-8-6 JIC EXPANDER
6	610053	1	FITTING HYDRAULIC 6602-8-8-8 RUN TEE
7	610004	1	FITTING HYDRAULIC 2603-8-8-8 JIC TEE
8	PA600042-33	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
9	PA600064-5A	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
10	610029	2	FITTING HYDRAULIC 6801-4-8 ELBOW ADAPTER
11	620087	2	CYLINDER 4.5 X 10"
12	610050	2	FITTING HYDRAULIC RST6801-4-8-R, 0.060 ORIFICE, 90°
12	610097	2	FITTING HYDRAULIC RST6801-4-8, NO ORIFICE, 90°
13	620073 & 620091	2	CYLINDER HYDRAULIC 40TD10-150 MI645947
14	PA600042-4	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
15	PA600042-2	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
16	610011	4	FITTING HYDRAULIC 6400-6-8 ADAPTER
17	PA600064-2	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
18	PA600064-3	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
19	610030	1	FITTING HYDRAULIC 6801-8-6 90°
20	630041	1	DOWN PRESSURE BLOCK
21	790052	1	GAUGE PRESSURE 0-3000
22	PA600064-1	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
23	610013	1	FITTING HYDRAULIC 6400-8-8 JIC TO ORB ADAPTER
24	610026		FITTING HYDRAULIC 6602-4-4-4 RUN TEE
25	610085	1	FITTING HYDRAULIC 6803-8-8-8 ORB TO JIC TEE
26	500049	1	VALVE COUNTERBALANCE
27	610029	1	FITTING HYDRAULIC 6801-4-8 ELBOW ADAPTER
28	610049	1	FITTING HYDRAULIC 6801-4-6 JIC TO ORB 90°
29	610053	1	FITTING HYDRAULIC 6602-8-8-8 RUN TEE
30	PA600063-1	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
31	PA600042-1	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
32	PA600042-34	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
33	PA600042-3	1	HOSE HYDRAULIC SEE HOSE DESCRIPTION PAGE FOR SPECS
34	ROUTING		TO PORT C5 ON FOLDING VALVE BLOCK
35	ROUTING		TO TRACTOR REMOTE #1 PRESSURE
36	ROUTING		TO TRACTOR REMOTE #1 RETURN
37	INFO		RIGHT HAND SIDE
38	INFO		LEFT HAND SIDE
39	610009	1	FITTING HYDRAULIC ADAPTER 6400-8-4
40	610096	2	FITTING HYDRAULIC ONE WAY R0.047

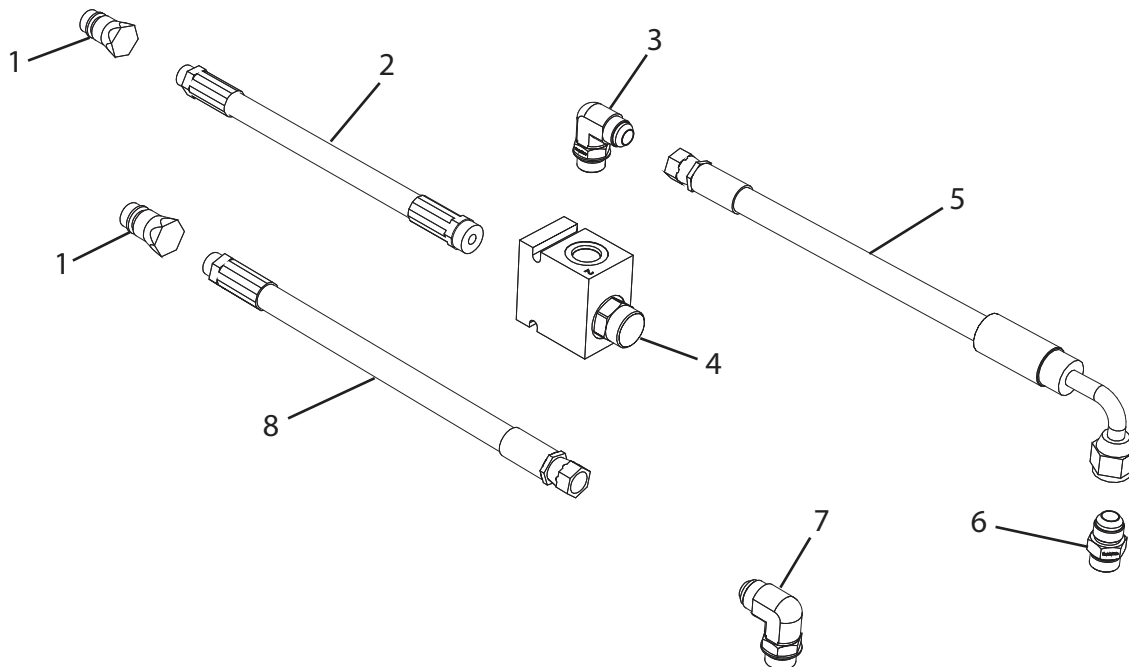


ILLUSTRATED PARTS LIST

Hose Description

Part #	Description	Hose Size	1st End	2nd End	Cut Hose	Qty.
600040-11-ZN	FDM4R17-4FJXZ-4FJX90MZ	1/4"	F St.	F 90	219"	1
600042-13-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	94"	1
600042-15-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	98"	1
600042-16-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	64"	1
600042-26-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	183"	1
600042-27-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	238"	1
600042-28-ZN	FDM4R17-4FJXZ-4FJX90MZ	1/4"	F St.	F 90	86"	1
600042-29-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F St.	52"	1
600042-30-ZN	FDM4R17-4FJXZ-4FJX90MZ	1/4"	F St.	F 90	64"	1
600042-31-ZN	FDM4R17-4FJXZ-4FJX90MZ	1/4"	F St.	F 90	70"	1
600042-32-ZN	FDM4R17-4FJXZ-4FJX90MZ	1/4"	F St.	F 90	93"	1
600064-1-ZN	FDM8R17-8FJX90MZ-8FJXZ	1/2"	F. 1/2" 90	F 1/2" St.	26"	1
600064-2-ZN	FDM6R17-8FJXZ-8FJXZ	3/8"	F 1/2" St.	F 1/2" St.	93"	1
600064-3-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F. 1/4" St.	F 1/4" St.	84"	1
600064-4-ZN	FDM6R17-8FJXZ-8FJXZ	3/8"	F 1/2" St.	F 1/2" St.	117"	1
600064-5-ZN	FDM4R17-4FJX90MZ-4FJXZ	1/4"	F 1/4" 90	F 1/4" St.	109"	1
FDM 0049-ZN	FDM4R17-4FJXZ-4FJXZ	1/4"	F St.	F 90	201"	1
600042-1-ZN	FDM8R17-8MBOZ-8FJXZ	1/2"	#8 O-RING	F St.	195"	2
600034-2-ZN	FDM6R17-8MBOZ-6FJXZ	3/8"	#8 O-RING	F St.	340"	2
600042-2-ZN	FDM6R17-6FJX90MZ-8FJXZ	3/8"	F. 90	F 1/2" St.	62"	2
600042-3-ZN	FDM6R17-6FJX90MZ-8FJXZ	3/8"	F. 90	F 1/2" St.	73"	1
600042-4-ZN	FDM6R17-6FJX90MZ-8FJXZ	3/8"	F. 90	F 1/2" St.	51"	1
600063-1-ZN	FDM6R17-6FJXZ-8FJXZ	3/8"	F. 3/8" St.	F 1/2" St.	152"	1
600042-33-ZN	FDM6R17-6FJXZ-6FJXZ	3/8"	F. St.	F St.	150"	1
600042-34-ZN	FDM4R17-6FJXZ-4FJXZ	1/4"	F 3/8"	F St.	7"	1

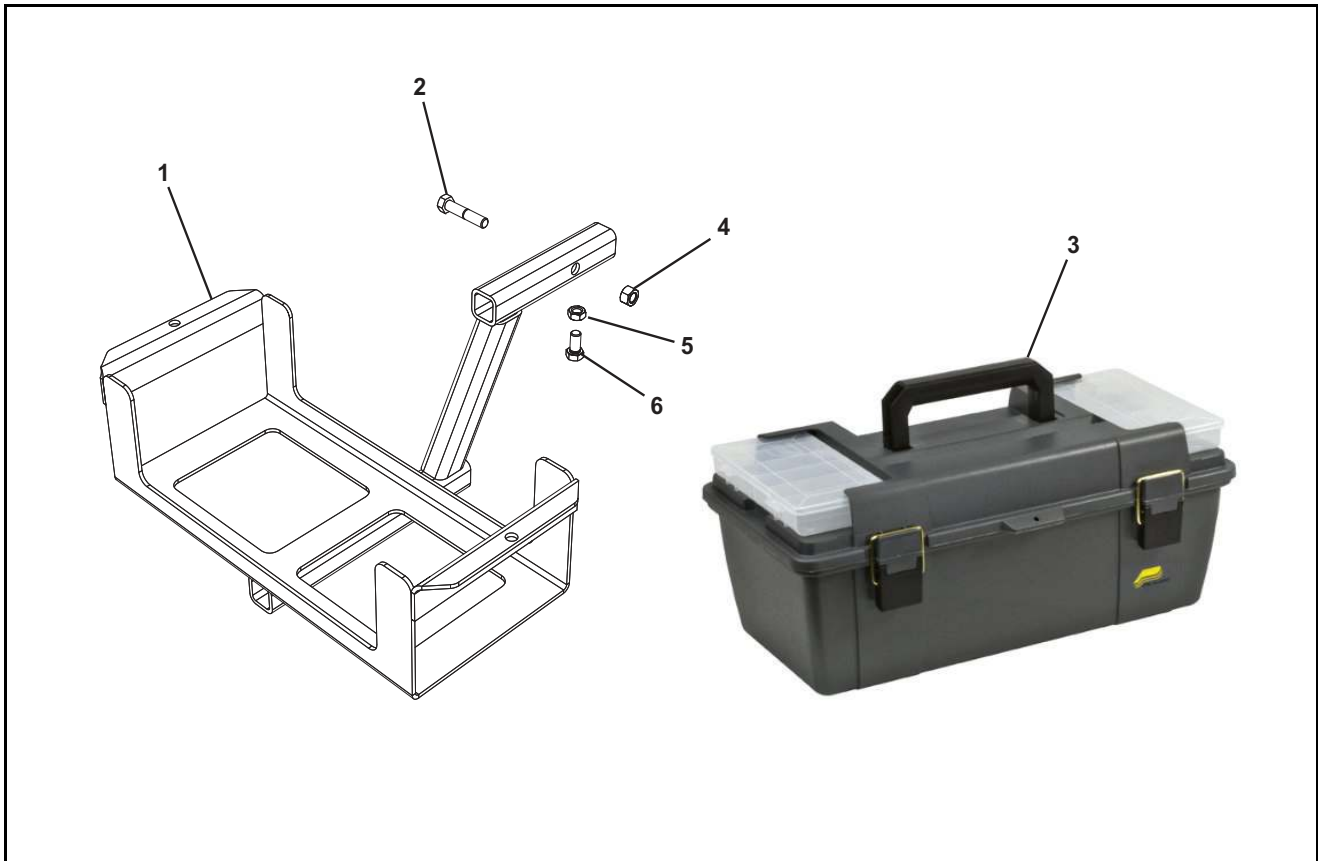
Hydraulic System for Pump



Hydraulic System for Pump Parts List

ITEM	PART NO.	QTY. 8218	QTY. 8224	DESCRIPTION
1	2-NV12-12SAE	2	2	HOSE TIP
2	PA600054-1	1	1	HOSE PRESSURE TO VALVE
3	610086	1	1	HYDRAULIC FITTING 6801-8-10
4	610099			PC VALVE 13 GPM
5	PA600054-2	1	1	HOSE PRESSURE TO PUMP
6	610106	1	1	HYDRAULIC FITTING 6400-10-10
7	610102	1	1	HYDRAULIC FITTING 6801-10-10
8	PA600054-3	1	1	HOSE PUMP RETURN

Toolbox Carrier



Toolbox Carrier Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	18426	1	TOOLBOX HOLDER
2	155	1	BOLT HEX HEAD 1/2 X 2-1/2: GRADE 5 ZP
3	790041	1	20" DEEP GRAB & GO TOOLBOX
4	239	1	NUT HEX HEAD 1/2" CENTERLOCK ZP
5	223	1	NUT HEX HEAD 1/2" JAM ZP
6	152	1	BOLT HEX HEAD 1/2 X 1: GRADE 5 ZP

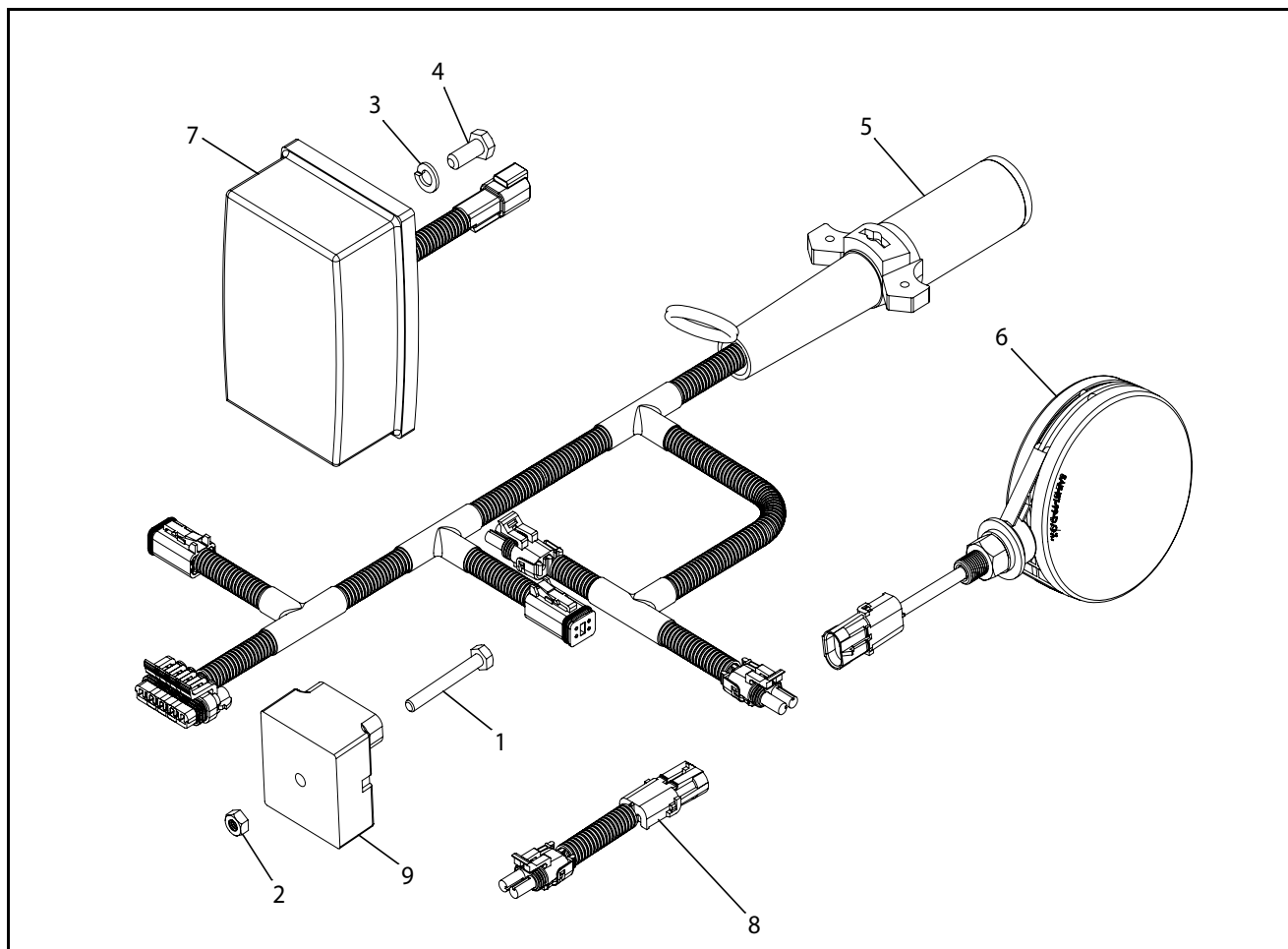


ILLUSTRATED PARTS LIST

Kit Contents

PART NO.	DESCRIPTION	INJECTOR QTY.	KNIFE QTY.
520003	3 NOZZLE, SINGLE HOSE SHANK NYB 3		2
520004	NOZZLE, DOUBLE HOSE SHANK NYB		2
520005	NOZZLE, SINGLE HS CONN 1/4" F	2	
520006	NOZZLE, DOUBLE HS CONN 1/4"F	2	3
520014	NOZZLE, SS 1/4" TEE	1	
520015	NOZZLE, SS CA	1	
520034	TIP, SS - 0015 TEEJET	2	
530001	1/4" X 1/4" MALE CONNECTOR	1	1
530014	1-1/2" EDPM GASKET	2	2
530019	2" EDPM GASKET	2	2
530024	3" EDPM GASKET	2	2
530188	HOSE SHANK ASSEMBLY	1	
530201	BARB HOSE 1/4" X 3/8"	4	
530218	3/8" X 3/8" HOSE MENDER W/ STOP	2	
530236	NIPPLE:1/4" MPTX6" MPT	1	
530246	STR. ELB:1/4" MPTX1/4" FPT	1	
540001	CLAMP, 2" STD WORM SCREW	1	1
540002	CLAMP, 2" FULL WORM SCREW	1	1
540003	CLAMP, 3" WORM SCREW	1	1
540006	CLAMP 1-1/2" T-BOLT HOSE 1.81"	2	2
540013	CLAMP, STAINLESS 3/4" #12	10	5
540014	CLAMP, STAINLESS 1" #16		4
540032	CLAMP, HOSE 5/16"	4	
590029	SEAL, EDPM RUBBER		3
590030	CAP Q.T. NY.LT.YELLOW		3
590031	PLATE ORIFICE, STAINLESS STEEL		3
750008	LOCKING COLLAR, STD 30°	2	2
750016	ROCK GUARD WITH PIN	1	
750018	3/8 X 1/2" SET SCREW, SS	2	
750019	MOUNTING BRACKET F/WIESE CO-50 KNIFE		1
790041	20" DEEP GRAB & GO TOOLBOX	1	1
AC40015	O-RING, VOLUTE SEAL		1
AC40151	SEAL, 5/8" SHAFT, VITON-C		1
AC52700	REPAIR KIT	1	
AP44103202	1/4 X 1/4" UNION CONNECTOR	3	3
AP44103240	1/4 X 1/4" FEMALE ADAPTOR	1	1
AXGC30020XL	XXL GREEN GLOVES	1	1
LAXNVGOGGLES	GOGGLES	1	1
BJ200SHIM	2" SHIM		2
BJHM075	3/4" X 3/4" HOSE BARB	2	2
BJHM100	1" X 1" HOSE BARB	2	2
BJHM150	1-1/2" X 1-1/2" HOSE BARB	1	1
CLFBS1004	5/8 X 1 SQUARE HEAD SET SCREW	2	
PL707TB	REDURAN	1	1
WA21047	CABLE TIE, 15" HEAVY DUTY	20	20
VI3K9438	BARB:3/8" HB FOR 8027 NUT-POLY		3

Lighting



Lighting Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	104	1	BOLT, 1/4 X 2" GRADE 5 ZP
2	235	1	NUT, CENTERLOCK, 1/4" ZP
3	249	4	WASHER, LOCK, 5/16" ZP
4	590229	4	BOLT, 8 X 20 MM 8.8 ZP
5	740023	1	APPLICATOR LIGHT WIRING HARNESS
6	740024	2	AMBER WARNING LIGHT
7	740025	2	RED TAIL LIGHT
8	740029	2	EXTENSION
9	740031	1	LIGHT MODULE



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