



Camera-Ready - 120' / 132' / 135'
SPRAYER BOOM
PARTS MANUAL





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 warrantied.

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, excluding 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 Sprayer Boom 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.



FAST SPRAYER BOOM

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	

Sprayer Boom Model					
Serial Number					
Delivery Date					

Warranty Inspection Report

DEALER INSPECTION REPORT

- All Fasteners Tight
- Hydraulic Hoses and Fittings Free and Tight
- Chemical Hoses and Fittings Free and Tight
- Lubricate Machine
- Check Tire Pressure (if equipped)
- Wheel Bolts Torqued (if equipped)
- 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



FAST Camera-Ready Sprayer Boom

SPRAYER SERIAL NUMBER _____

DATE PURCHASED _____ / _____ / _____

BOOM WIDTH (CIRCLE ONE) **120 ft.** **132 ft.** **135 ft.**

NOZZLE SPACING (CIRCLE ONE) **15 in.** **20 in.** **22 in.**

CAMERA MANUFACTURER:
(CIRCLE ONE)

NONE

**CARBON BEE
STRIKER-X**

**PRECISION PLANTING
SYMPHONY VISION**

General Information

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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 list is organized as follows:

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BOOM & TOUCHDOWN WHEELS

WINGS

LIFT and CENTER

CONTROLS

CAMERAS

WETBOOM MOUNTING

PRODUCT PLUMBING

PRODUCT ELECTRICAL COMP.S

HYDRAULICS

FOLD BOX ELECTRICAL

LIGHTS, DECALS, & TAGS

The parts lists are broken down into sub-assemblies and listed in four (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 applied AS REQUIRED for the location.
- **PART NO.** - These are the part numbers associated with the ITEM.
- **DESCRIPTION** - This is the description of the part.



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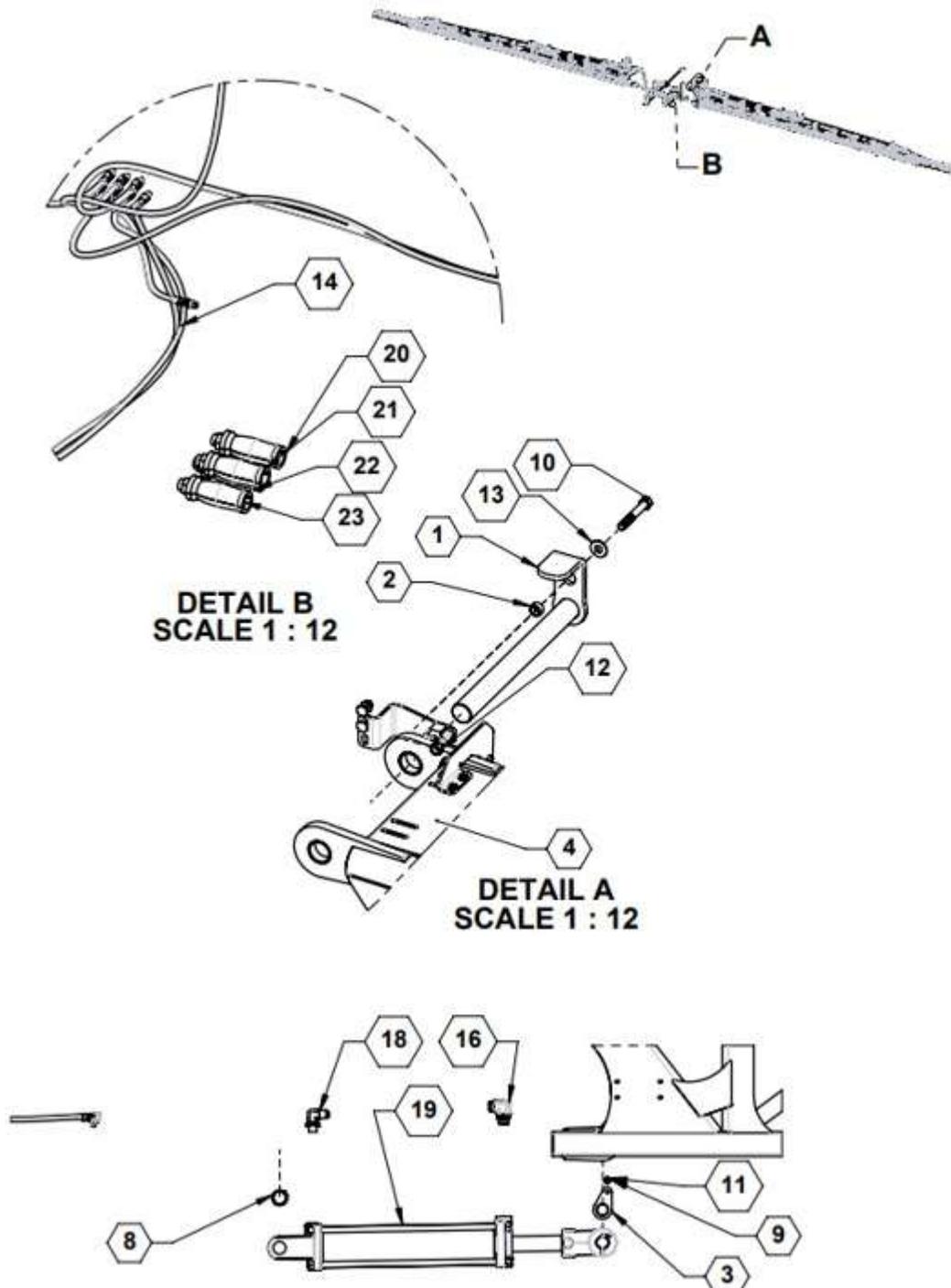
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BOOM & TOUCHDOWN WHEELS

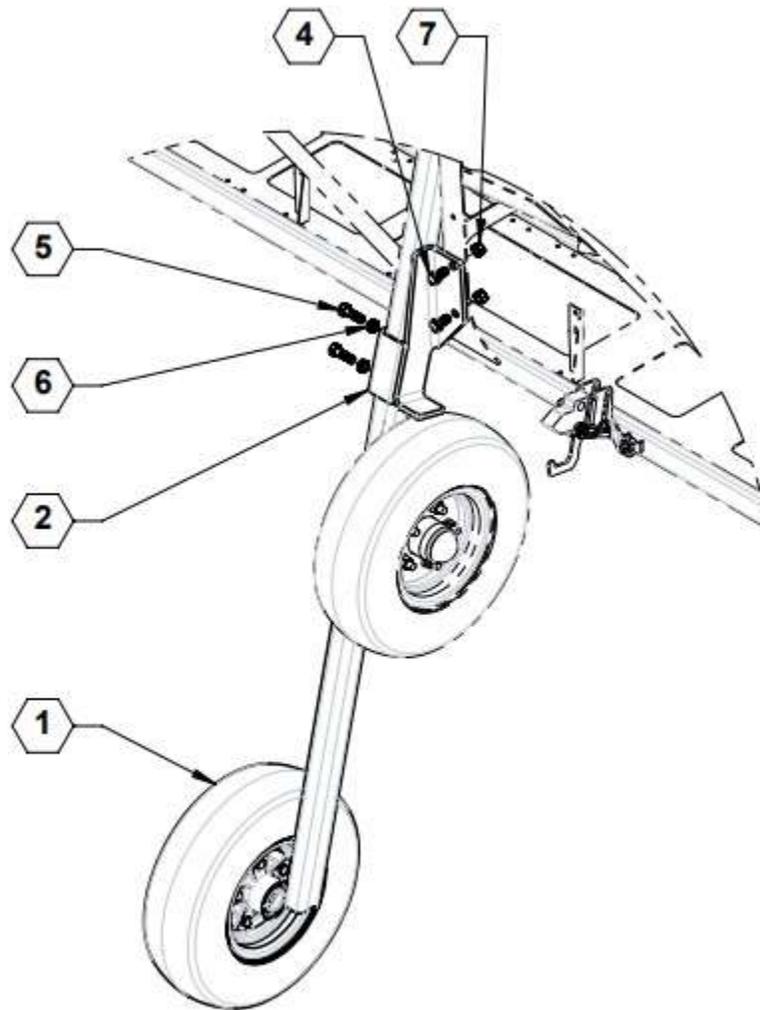
Wings & Tilt Connection



Parts List 36800 / 36850 / 36900: Wings & Tilt Connection

ITEM	PART NO.	QTY.	DESCRIPTION
1	18265	2	PIN, 1 1/2" MAIN WING
2	18268	2	DOM, 7/16" Lg
3	36791	2	WELDMENT, TILT CYLINDER PIN
4	36805L	1	ASSEMBLY, WING 120'
	36855L		ASSEMBLY, WING 132'
	36905L		ASSEMBLY, WING 135'
5	36805R	1	ASSEMBLY, WING 120'
	36855R		ASSEMBLY, WING 132'
	36905R		ASSEMBLY, WING 135'
6	36840	1	ASSEMBLY, XRT AUTOBOOM
7	530280	4	BUSHING 1.5ID x 1.75OD x .75LG
8	530281	2	SPRING BUSHING 1" I.D.
9	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
10	596157M	2	BOLT, HH 1/2 X 3-1/2 GR5 MAGNI
11	596235M	2	NUT, CENTERLOCK, 1/4-20 MAGNI
12	596239M	2	NUT, CENTERLOCK, 1/2-13 MAGNI
13	596260M	2	WASHER, FLAT 1/2 MAGNI
14	600131	1	HOSE KIT, TRUSS BOOM CENTER
15	600150	1	HYD. KIT, 120'/132'/135' S-BOOM
19	620028	2	(120'/132') CYLINDER, 3.0" X 12" 1-1/4" ROD
	620097		(132'/135') CYLINDER, 3.5" X 12" 1-1/4" ROD
20	621000	1	HOSE GRIP, #8ORB, RED/RED
21	621001	1	HOSE GRIP, #8ORB, GREEN/GREEN
22	621005	1	HOSE GRIP, #8ORB, RED/BLACK
23	621006	1	HOSE GRIP, #8ORB, GREEN/BLACK
24	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
25	800375	2	DECAL, -120 SILVER, 120FT BOOM
	800376		DECAL, -132 SILVER, 132FT BOOM
	-		DECAL, -135 SILVER, 135FT BOOM

Touchdown Wheels

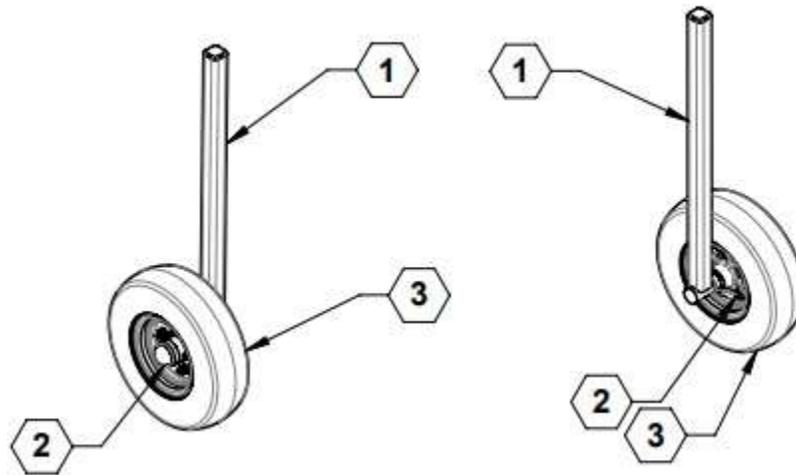


DETAIL A
SCALE 1 : 16

Parts List 36830: Touchdown Wheels

ITEM	PART NO.	QTY.	DESCRIPTION
1	34921	1	TOUCHDOWN WHEEL ASSEMBLY
2	36858L	1	WELDMENT, TD BRACKET
3	36858R	1	WELDMENT, TD BRACKET
4	596152M	4	BOLT, HH 1/2 X 1 GR5 MAGNI
5	596153M	4	BOLT, HH 1/2-13X1-1/2 GR5 MAGNI
6	596223M	4	NUT, HEX JAM 1/2-13 MAGNI
7	596239M	4	NUT, CENTERLOCK, 1/2-13 MAGNI

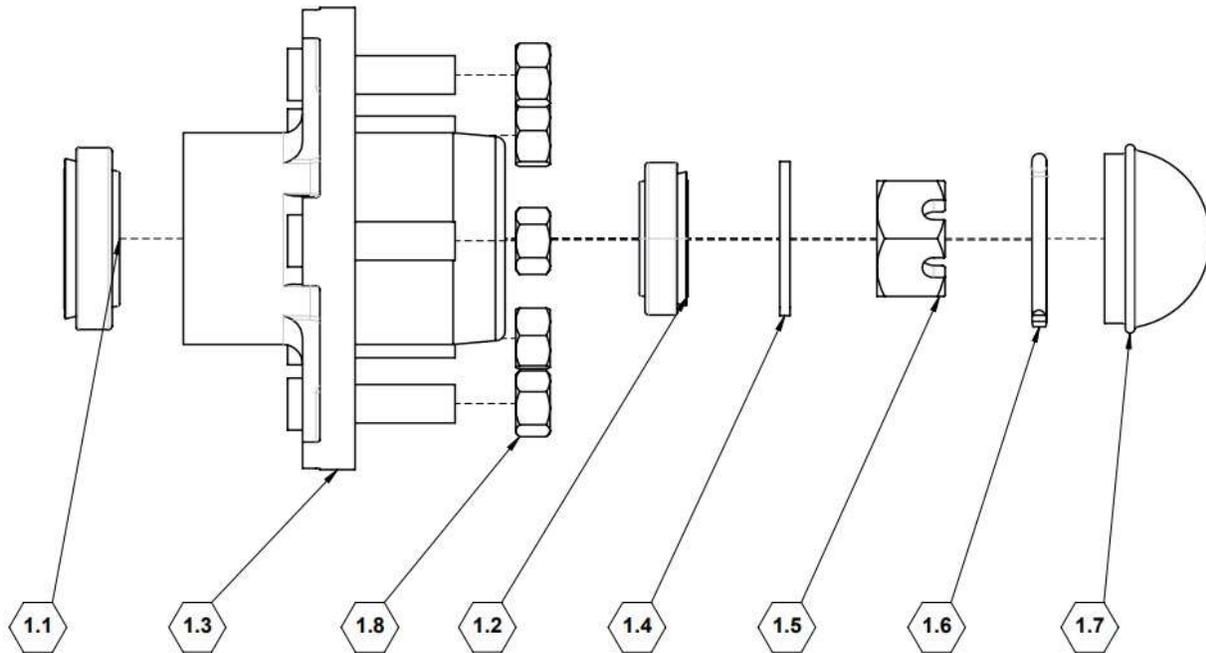
Touchdown Wheel



Parts List 34921: Touchdown Wheel

ITEM	PART NO.	QTY.	DESCRIPTION
1	34920	2	WELDMENT, TD WHEEL MOUNT
2	36278	2	HUB, N545, TURNED DOWN
3	700215	2	WHEEL, 4.80-8, CARLISLE

Hub Assembly, Machined to Fit

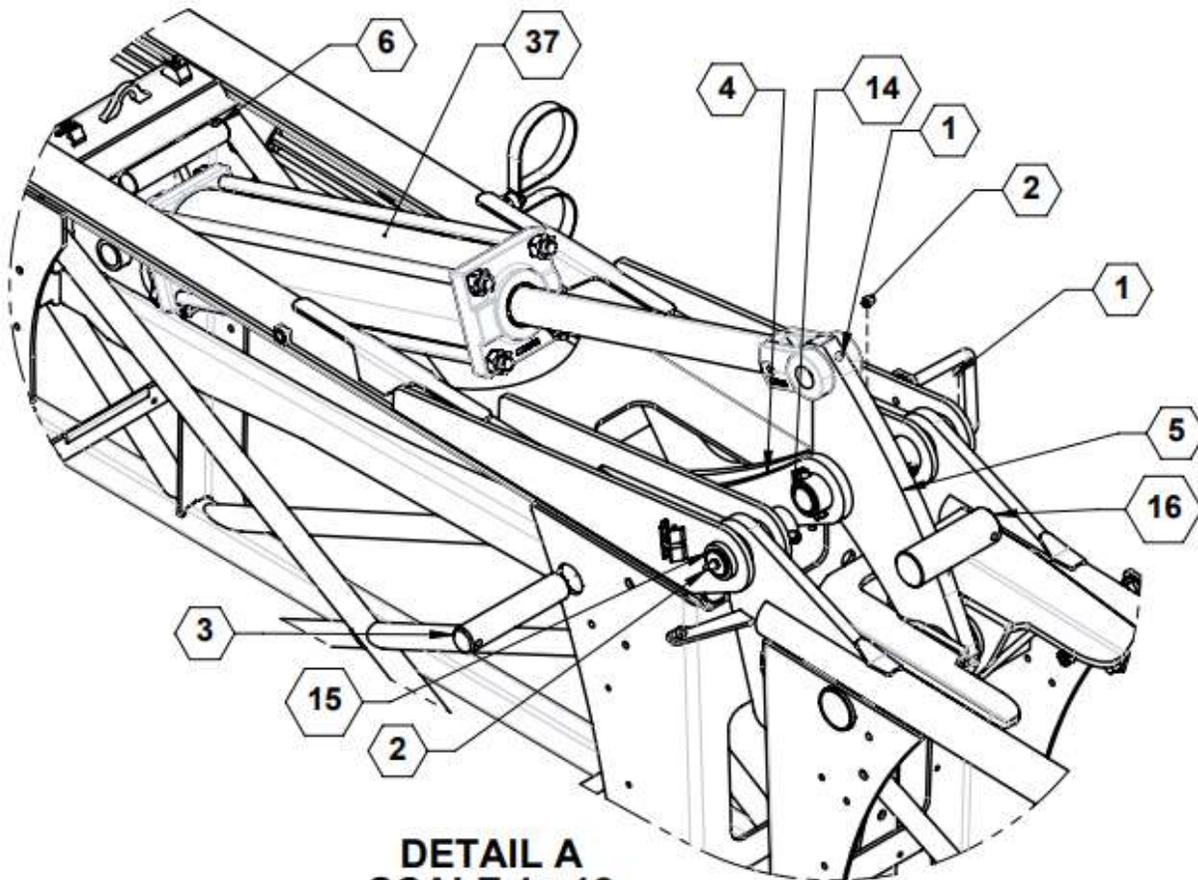
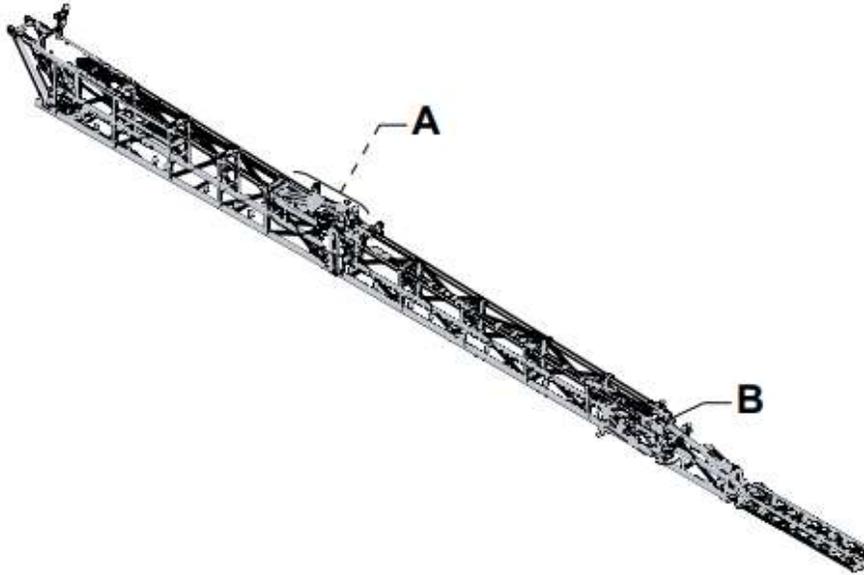


Parts List 36278: Hub Assembly, Machined to Fit

ITEM	PART NO.	QTY.	DESCRIPTION
1	730125	1	HUB, N545 - 5 BOLT 4.5IN B.C.
1.1	-	1	BEARING, INNER, L68149-L68111
1.2	-	1	BEARING, OUTER, L44649-L44610
1.3	-	1	HUB, CASTING
1.4	-	1	WASHER
1.5	-	1	NUT, CASTLE 1.00-12
1.6	-	1	COTTER PIN
1.7	-	1	CAP, HUB NI 909900W
1.8	-	5	NUT, HEX 0.50-13

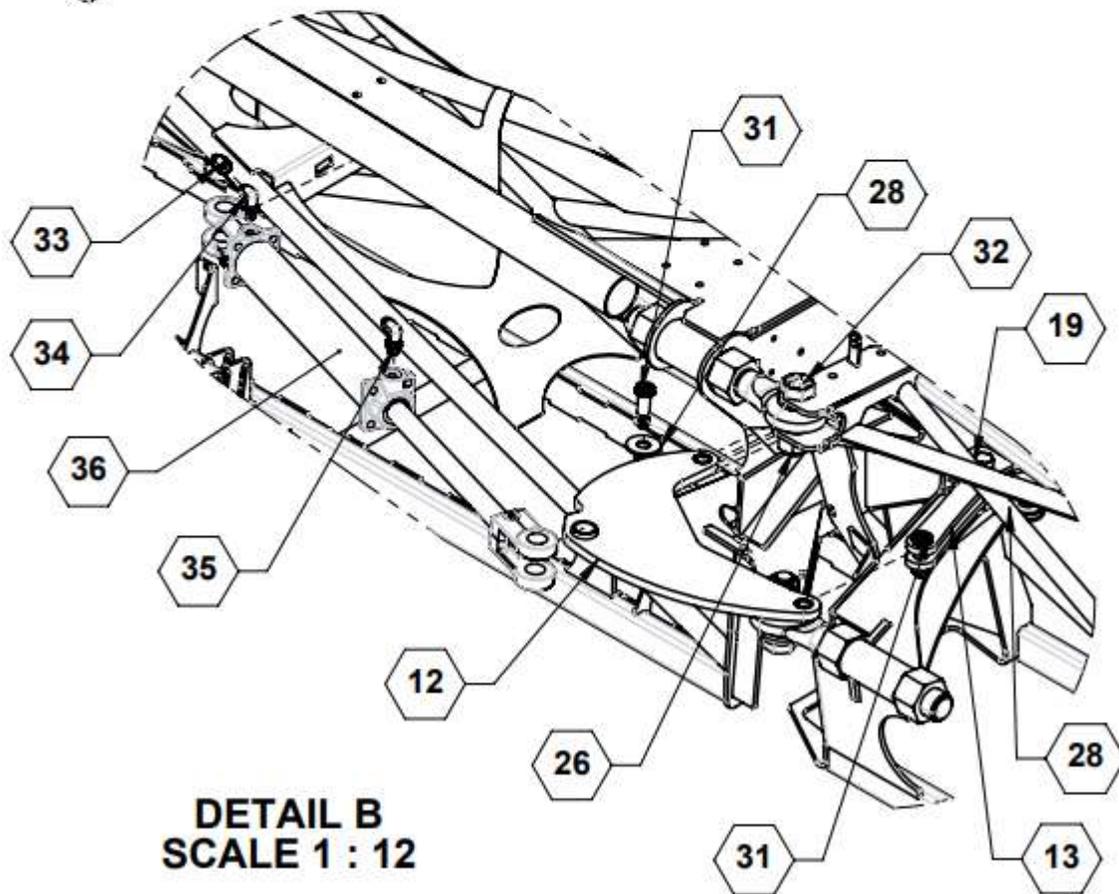
WINGS

Wing Assembly

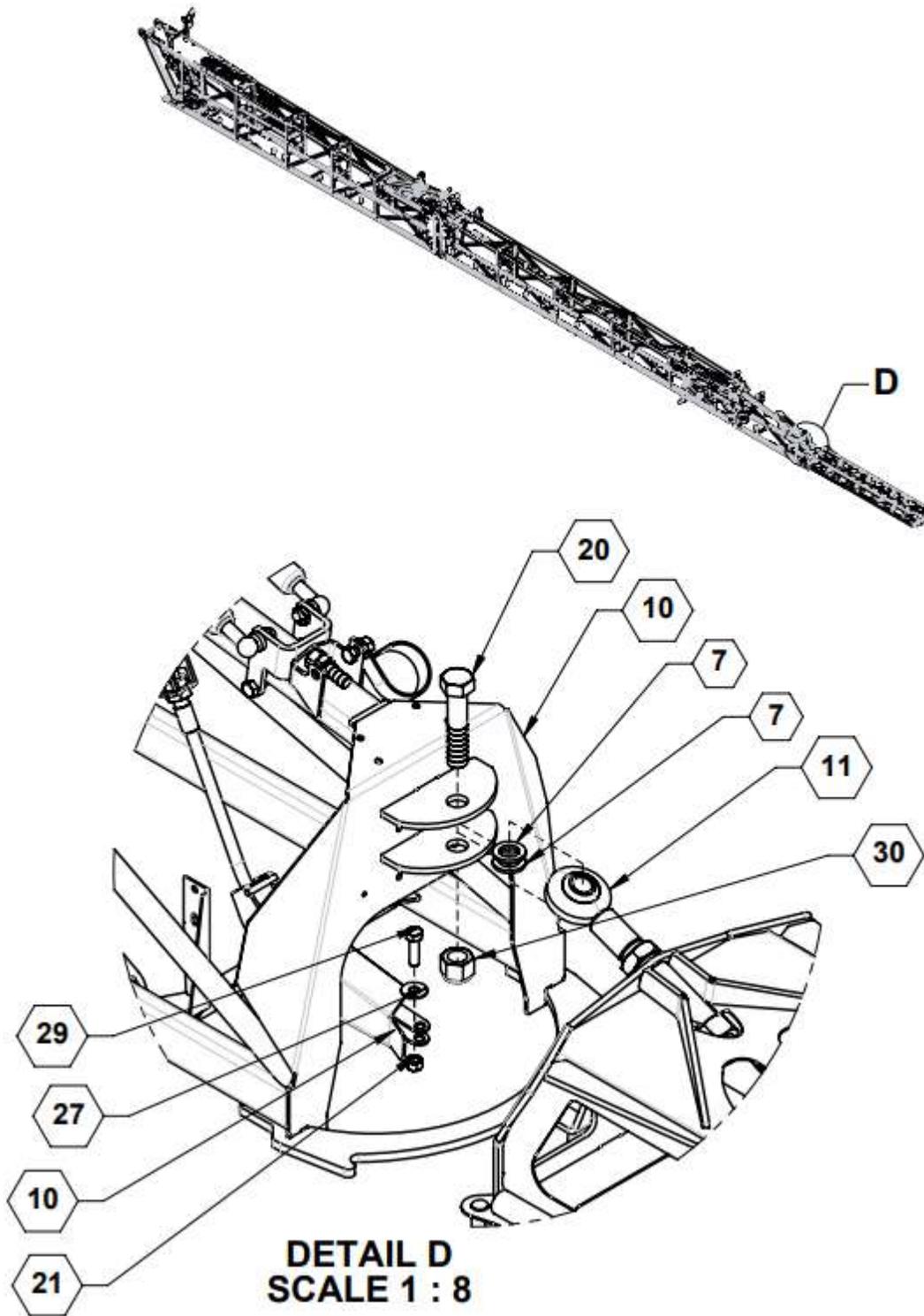


DETAIL A
SCALE 1 : 12

Wing Assembly (continued)



Wing Assembly (continued)



Parts List 36805L/R / 36855L/R / 36905L/R: Wing Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	5	ZERK, 1/4-28 STRAIGHT PIPE THREAD
2	761	2	ZERK, 90~, 1/4-28 STRAIGHT PIPE THREAD

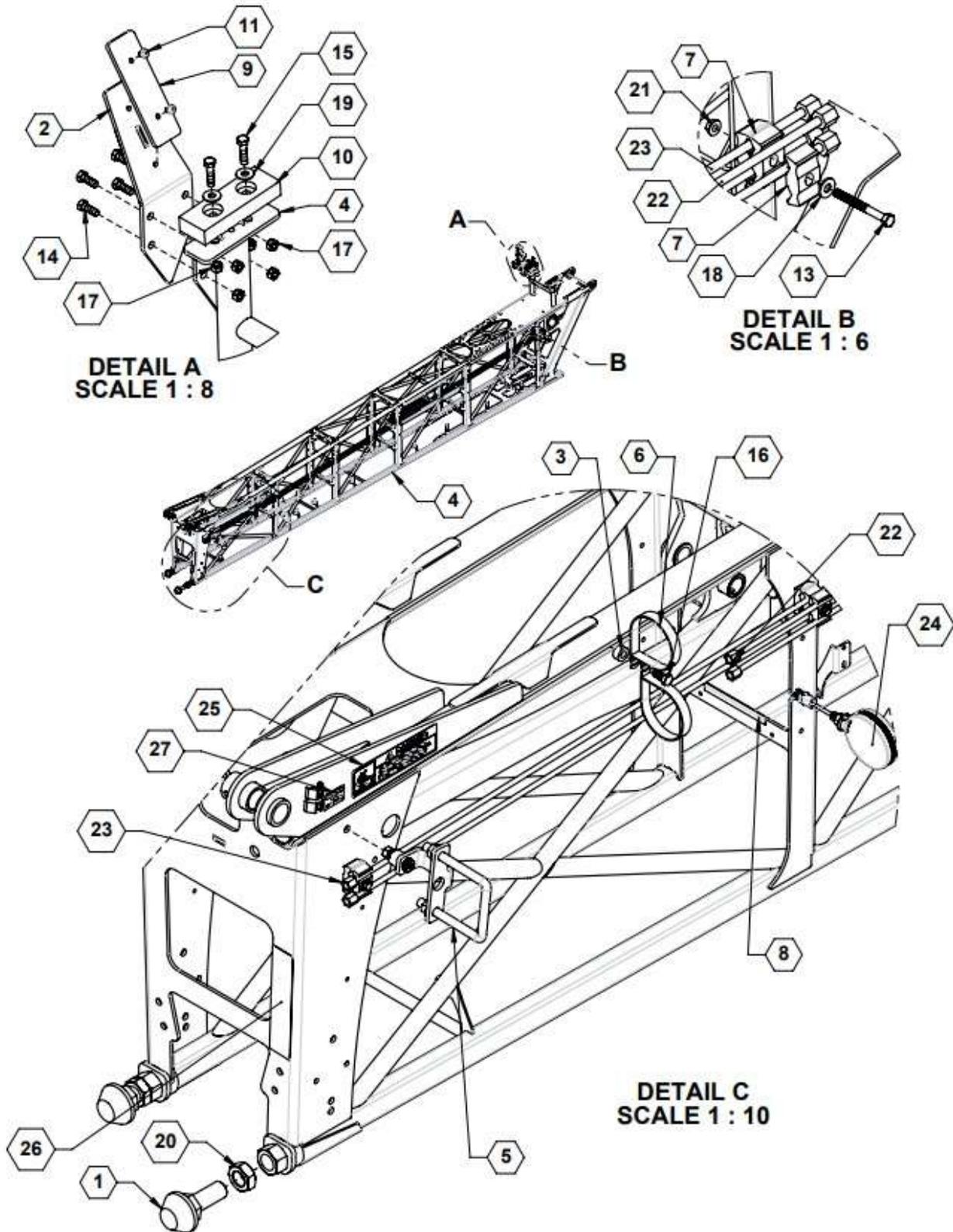


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ITEM	PART NO.	QTY.	DESCRIPTION
3	5617	1	PIN, 1 1/2 DIA. x 7 1/4" LG
4	16030	1	LINK, SCISSOR WELDMENT
5	16075	1	WELDMENT, W1W2 FLIPPER
6	16149	1	PIN, 1 1/4" X 6 7/8" LG.
7	36367	2	PLATE, HINGE WASHER SPACER
8	36801	1	ASSEMBLY, WING 1
9	36802L/R	1	ASSEMBLY, WING 2, S-BOOM
10	36803L/R	1	ASSEMBLY, WING 3, LEFT 120'
	36853L/R		ASSEMBLY, WING 3, LEFT 132'
	36903L/R		ASSEMBLY, WING 3, LEFT 135'
11	36804	1	WING 4, BOX BREAKAWAY
12	36807	1	WELDMENT, LINK PLATE 2
13	36809	2	PLATE, LINK TO W3
14	36895	1	PIN, FLIPPER TO LINK
15	36896	2	PIN, GREASEABLE WING LINK
16	37878	1	PIN, WING BASE THRU
17	596130M	1	BOLT, HH 3/8-16 X 2 GR5 MAGNI
18	596131M	5	BOLT, HH 3/8-16 X 2-1/2 GR5 MAGNI
19	596171M	1	BOLT, HH 5/8-11 X 2-1/2 GR5 MAGNI
20	596187M	1	BOLT, HH 3/4-10 X 3-1/2 GR5 MAGNI
21	596213M	1	NUT, HEX 3/8-16 MAGNI
22	596231M	1	NUT, HEX NYLOCK 1/2-13 MAGNI
23	596237M	6	NUT, CENTERLOCK 3/8-16 MAGNI
24	596239M	1	NUT, CENTERLOCK, 1/2-13 MAGNI
25	596240M	1	NUT, CENTERLOCK, 5/8-11 MAGNI
26	596242M	2	NUT, CENTERLOCK, 1" MAGNI
27	596258M	1	WASHER, FLAT 3/8 MAGNI
28	596261M	3	WASHER, FLAT 5/8 MAGNI
29	596635M	1	BOLT, HH 3/8-16 x 1-1/4 MAGNI
30	596743M	1	NUT, NYLOCK 3/4-10 MAGNI
31	596846M	2	BOLT, SHOULDER, 5/8 X 1-1/4" MAGNI
32	596861M	2	BOLT, HEX 1"-8 X 3.5" GR. 8 MAGNI
33	610002	1	ADAPTER JIC #4 X JIC #6 FEMALE
34	610049	1	JIC #4 X O-RING #6 90-DEG
35	610117	1	JIC #6 TO O-RING #6 EL R.031
36	620011	1	CYLINDER, 2 X 12"
37	620118	1	CYLINDER, 5X2, 20 STROKE, #10 ORB
38	750112	2.4	VINYL WRAP, 1.50 DIA HOOK/LOOP

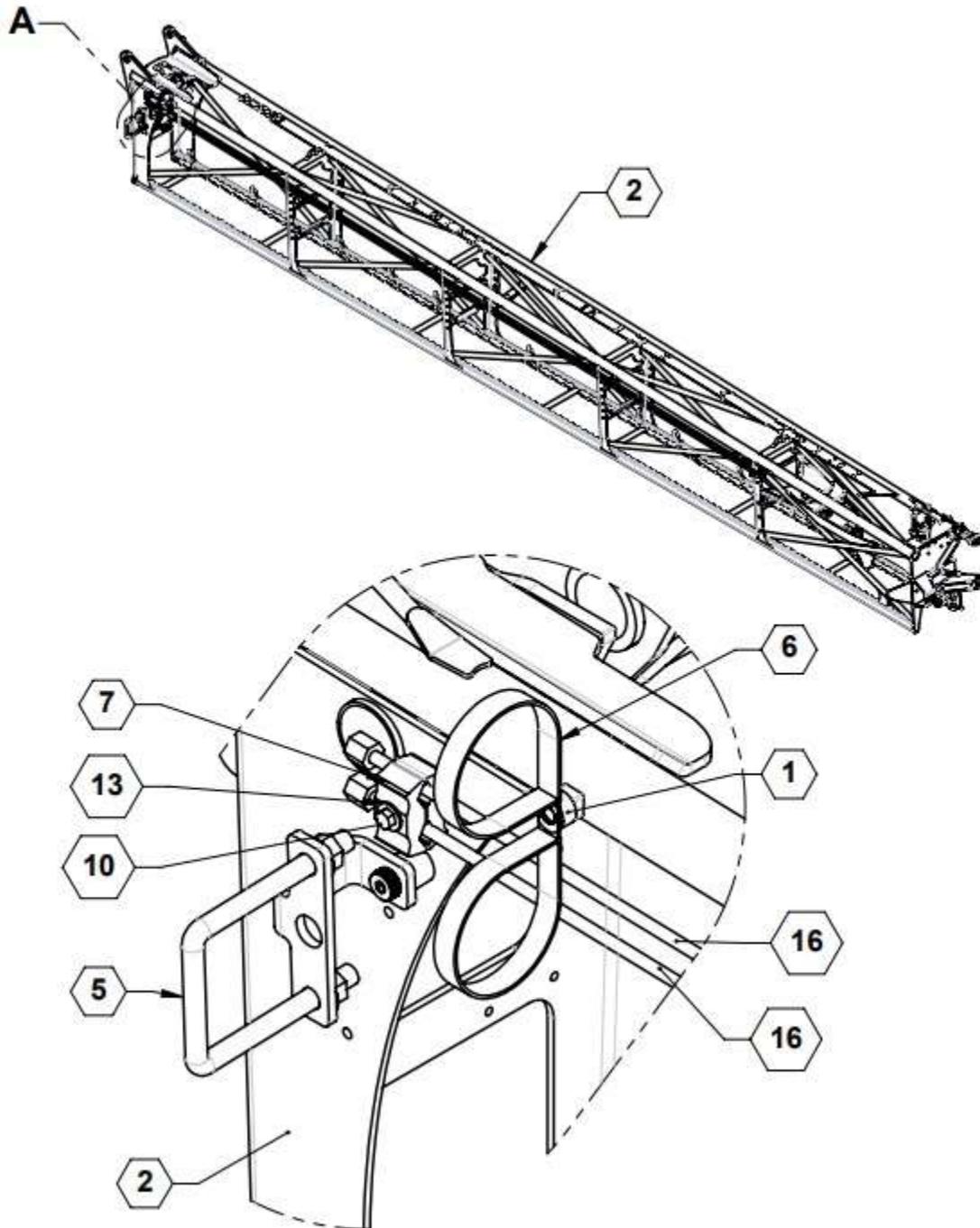
Wing 1



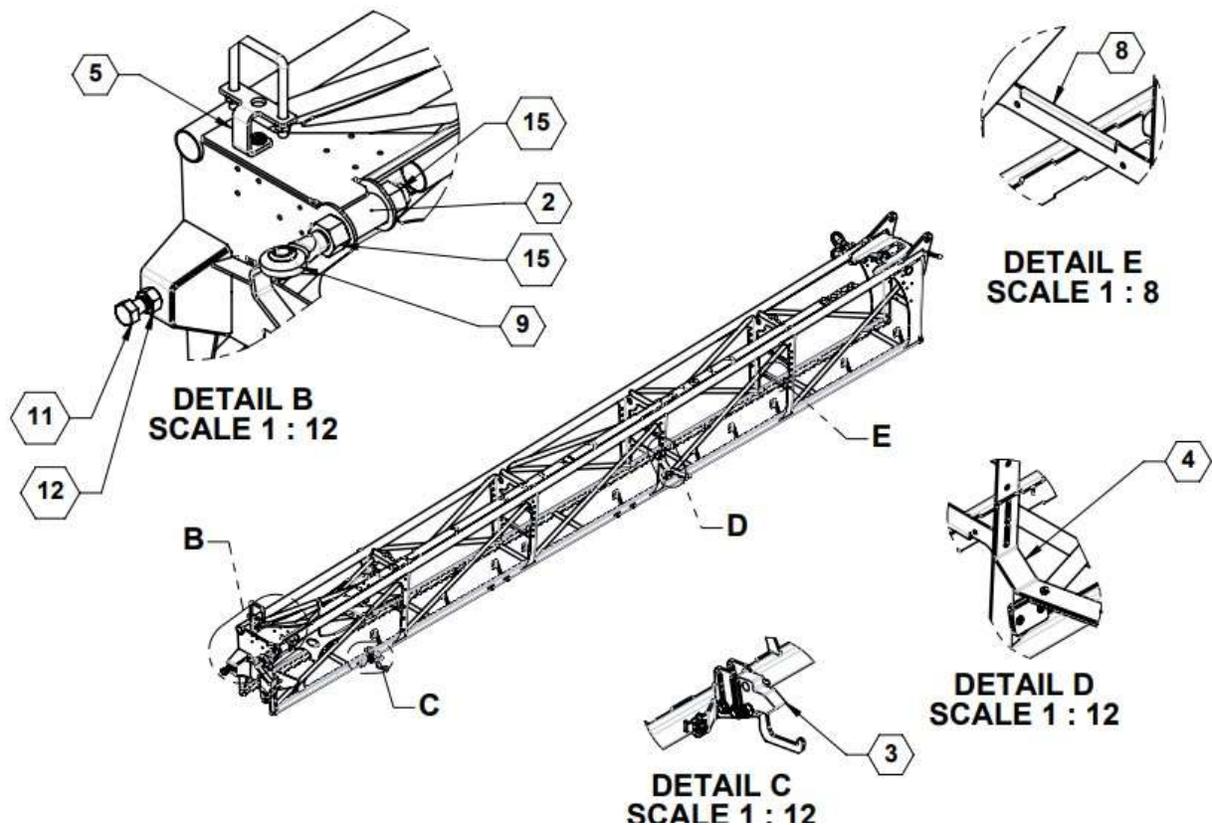
Parts List 36801: Wing 1

ITEM	PART NO.	QTY.	DESCRIPTION
1	16185	2	CONE, 3X1 3/8 WELD
2	16794	2	GUIDE, WING REST, BOLT-ON
3	36221	1	PLATE, THICC WASHER
4	36790	1	WELDMENT, W1 FRAME MAIN
5	37532	1	ASSEMBLY, SWIVELING HOSE CLAMP
6	540054	2	P-CLAMP, 4" W/1/2" HOLE
7	540077	8	CLAMP TWIN AG 2 STAUFF
8	590019	2	(FT) TRIM, EDGE GUARD 1/8
9	590024	2	PLASTIC TRANSPORT
10	590094	2	BUMPER PAD, 6" LG
11	590581	4	RIVET, POUND IN, 1/4 X 7/16
12	596118M	1	BOLT, HH 5/16-18 X 2-1/2 GR5 MAGNI
13	596119M	2	BOLT, HH 5/16-18 X 3 GR5 MAGNI
14	596128M	8	BOLT, HH 3/8-16 X 1 GR5 MAGNI
15	596129M	4	BOLT, HH 3/8-16X1-1/2 GR5 MAGNI
16	596152M	1	BOLT, HH 1/2 X 1 GR5 MAGNI
17	596237M	12	NUT, CENTERLOCK 3/8-16 MAGNI
18	596257M	3	WASHER, FLAT 5/16 USS MAGNI
19	596258M	4	WASHER, FLAT 3/8 MAGNI
20	596722M	2	NUT, HEX 1-1/4 -7 UNC JAM MAGNI
21	596768M	3	NUT, HEX FLANGE 5/16-18 MAGNI
22	600150-01	2	STRAIGHT TUBE, FLARED HYD. LINE
23	600150-02	2	STRAIGHT TUBE, FLARED HYD. LINE
24	740024	1	LIGHT, AMBER WARNING
25	800106	1	DECAL, DANGER-STAND CLEAR
26	800110	1	DECAL, AMBER, REFLECTOR
27	800287	1	DECAL, GREASE PIVOT POINTS

Wing 2



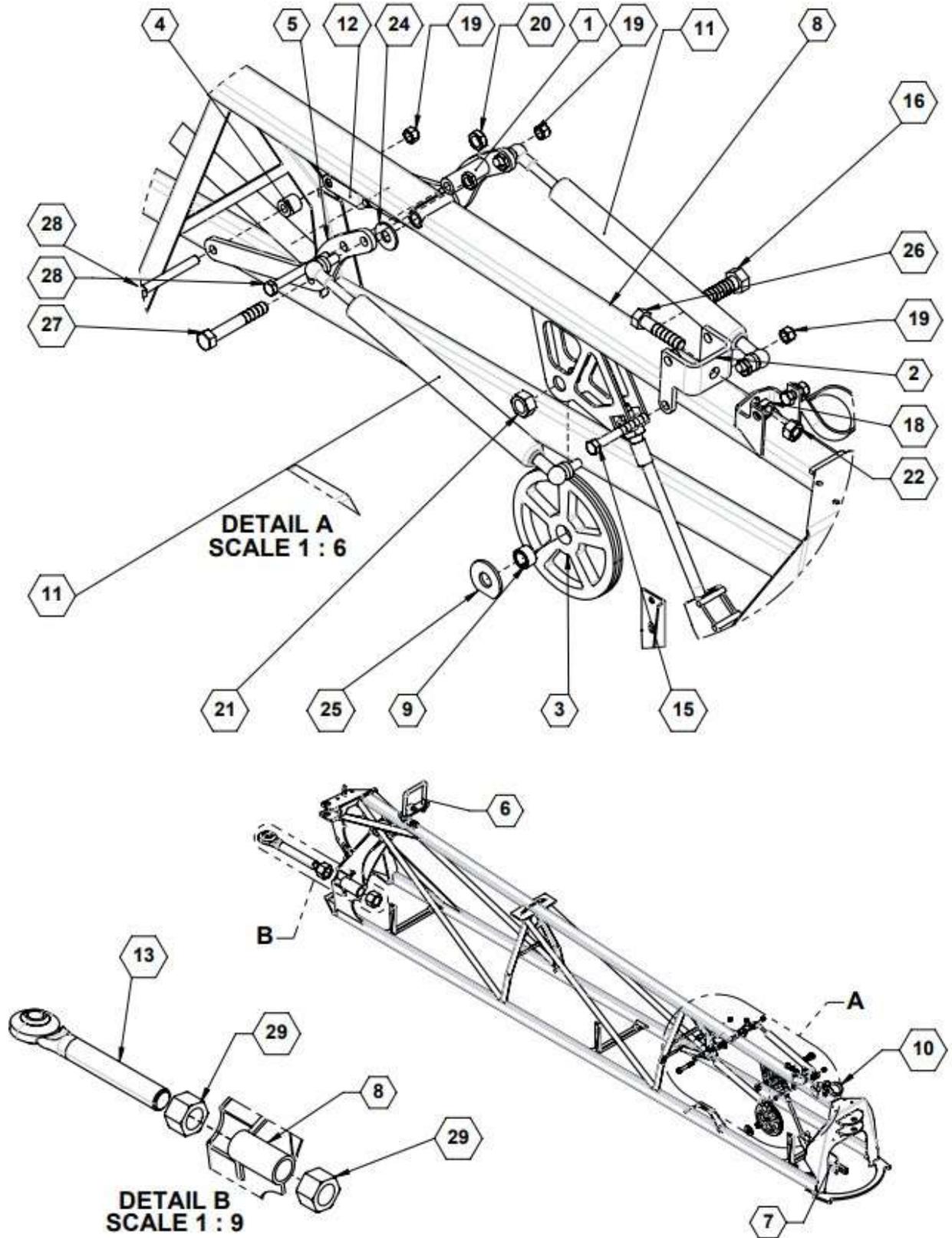
DETAIL A
SCALE 1 : 6



Parts List 36802L/R: Wing 2

ITEM	PART NO.	QTY.	DESCRIPTION
1	36221	1	PLATE, THICC WASHER
2	36510L/R	1	WELDMENT, WING 2 FRAME
3	36795	1	ASSEMBLY, TRANSPORT LATCH, W3 MALE
4	36810	1	ASSEMBLY, TRANSPORT REST
5	37532	2	ASSEMBLY, SWIVELING HOSE CLAMP
6	540054	2	P-CLAMP, 4" W/1/2" HOLE
7	540077	4	CLAMP TWIN AG 2 STAUFF
8	590019	2	(FT) TRIM, EDGE GUARD 1/8
9	590898	1	ROD END, 1.00ID x 1.75W x 11.5L, 1.5-6 UNC-2A
10	596118M	2	BOLT, HH 5/16-18 X 2-1/2 GR5 MAGNI
11	596201M	1	BOLT, HEX 1-8 X 3-1/2 GR5 MAGNI
12	596218M	2	NUT, HEX 1-8 MAGNI
13	596257M	2	WASHER, FLAT 5/16 USS MAGNI
14	596768M	2	NUT, HEX FLANGE 5/16-18 MAGNI
15	596813M	2	NUT, HEX 1-1/2-6 GR8 MAGNI
16	600150-03	2	STRAIGHT TUBE, FLARED HYD. LINE

Wing 3





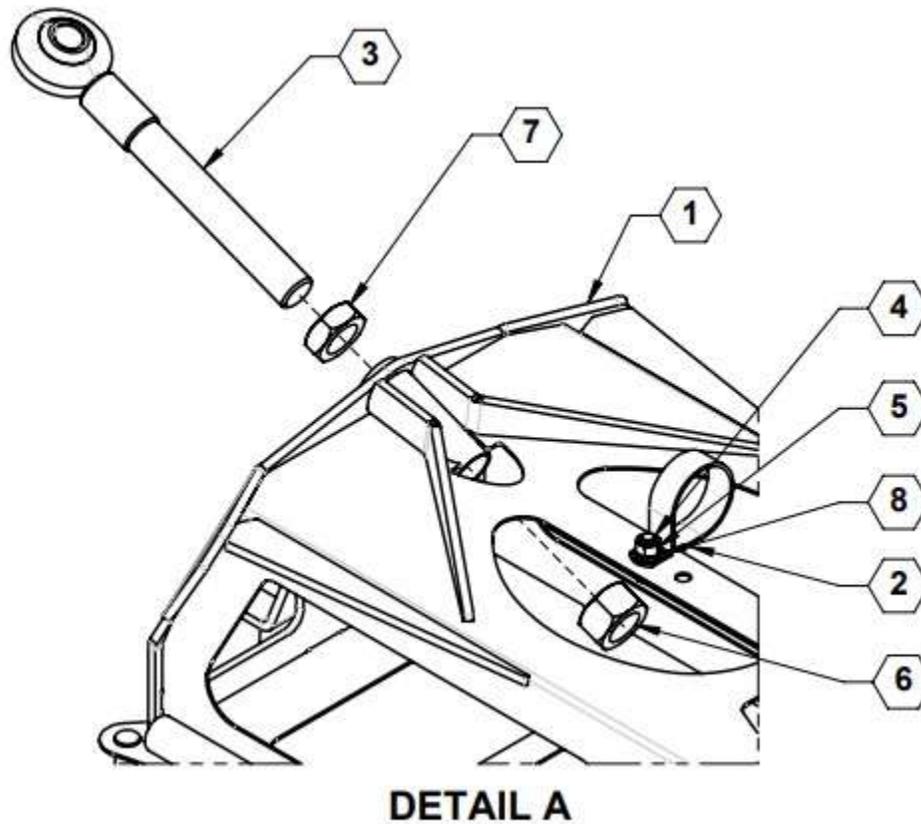
ILLUSTRATED PARTS LIST

[TOC](#)

Parts List 36803L/R / 36853L/R / 36903L/R: Wing 3

ITEM	PART NO.	QTY.	DESCRIPTION
1	36364	1	TUBE, ARM DISTANCE SETTER
2	36431	1	PLATE, DUAL GAS MOUNT
3	36439	1	PLATE, 1/8 ROPE 6.0 PULLEY
4	36441	2	SPACER, ARM DISTANCE SETTER
5	36446	2	PLATE, GAS SWING ARM
6	37532	1	ASSEMBLY, SWIVELING HOSE CLAMP
7	37755	1	WELDMENT, CABLE END SHIELD
8	36460L	1	WELDMENT, W3 FRAME 120'
	36460R		WELDMENT, W3 FRAME 120'
	37875L		WELDMENT, W3 FRAME 132'
	37875R		WELDMENT, W3 FRAME 132'
	38905L		WELDMENT, W3 FRAME 135'
	38905R		WELDMENT, W3 FRAME 135'
9	530304	1	BUSHING, CONEX, 7/8 OD, 1/8 W, 1/2 LG
10	540051	1	P-CLAMP, 2" W/3/8" HOLE
11	590202	2	SPRING, GAS, TENSION, PRELOAD 125LBS, BALL STUDS
12	590897	1	CABLE ASSEMBLY, BREAKAWAY RETRACTION
13	590898	1	ROD END, 1.00ID x 1.75W x 11.5L, 1.5-6 UNC-2A
14	596128M	1	BOLT, HH 3/8-16 X 1 GR5 MAGNI
15	596132M	1	BOLT, HH 3/8-16 X 3 GR5 MAGNI
16	596172M	1	BOLT, HH 5/8-11 X 1-3/4 GR5 MAGNI
17	596213M	1	NUT, HEX 3/8-16 MAGNI
18	596223M	1	NUT, HEX JAM 1/2-13 MAGNI
19	596229M	3	NUT, HEX NYLOCK 3/8-16 MAGNI
20	596230M	1	NUT, NYLOCK THIN, 1/2-13 MAGNI
21	596232M	1	NUT, HEX NYLOCK 5/8-11 MAGNI
22	596239M	1	NUT, CENTERLOCK, 1/2-13 MAGNI
23	596250M	1	LOCKWASHER, 3/8 MAGNI
24	596260M	2	WASHER, FLAT 1/2 MAGNI
25	596261M	1	WASHER, FLAT 5/8 MAGNI
26	596638M	1	BOLT, HH 1/2-13 X 2-1/4 GR5 MAGNI
27	596640M	1	BOLT, HH 1/2 X 3-1/4 GR5 MAGNI
28	596741M	2	BOLT, HH 3/8 X 3-1/4 GR5 MAGNI
29	596813M	2	NUT, HEX 1-1/2-6 GR8 MAGNI

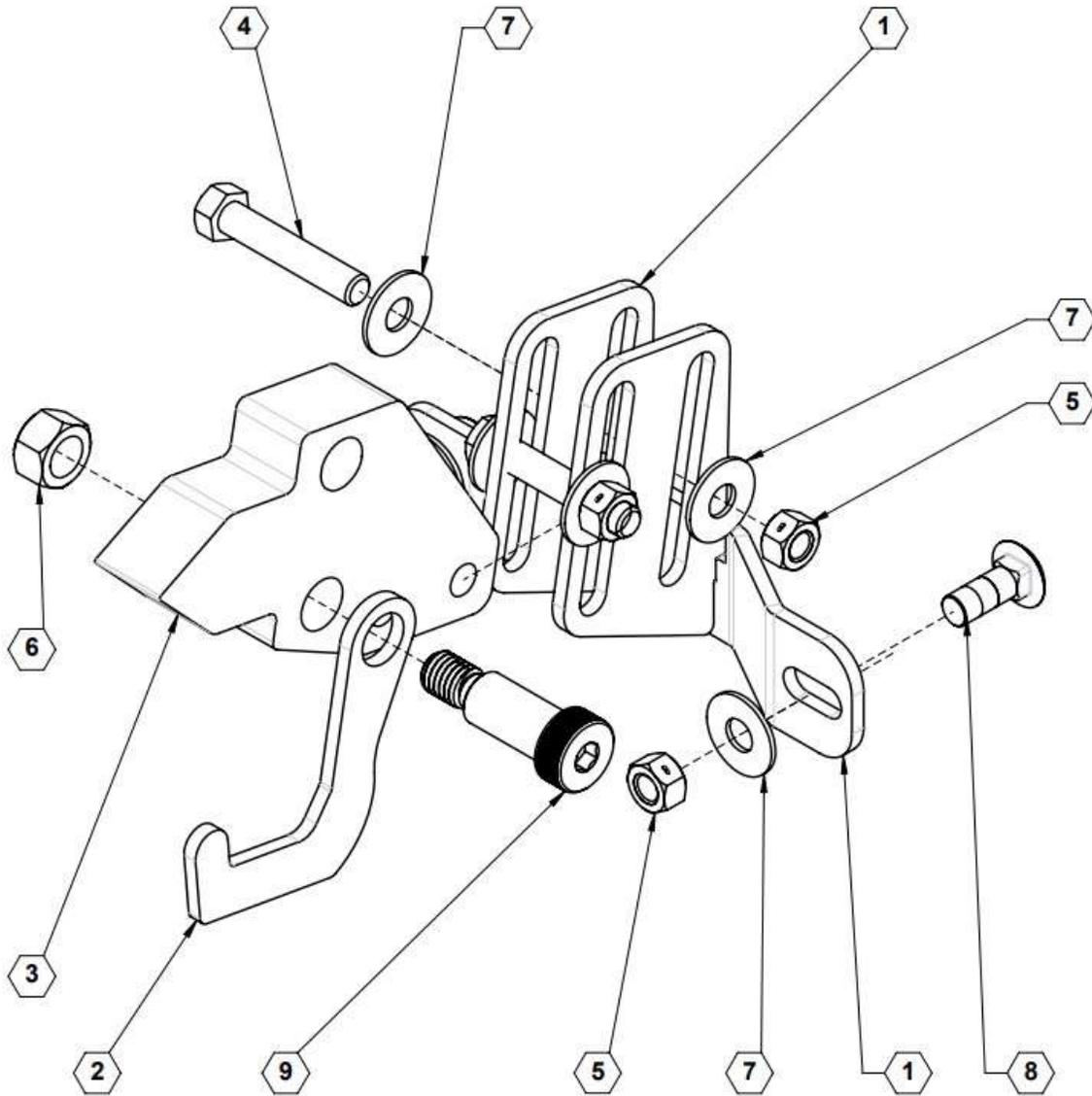
Wing 4



Parts List 36804: Wing 4

ITEM	PART NO.	QTY.	DESCRIPTION
1	36405	1	WELDMENT, W4 FRAME
2	540051	1	P-CLAMP, 2" W/3/8" HOLE
3	590896	1	ROD END, 0.75ID x 1.38W x 9.0L, 1.0-8 UNC-2A
4	596128M	1	BOLT, HH 3/8-16 X 1 GR5 MAGNI
5	596213M	1	NUT, HEX 3/8-16 MAGNI
6	596218M	1	NUT, HEX 1-8 MAGNI
7	596226M	1	NUT, HEX JAM 1-8 MAGNI
8	596250M	1	LOCKWASHER, 3/8 MAGNI

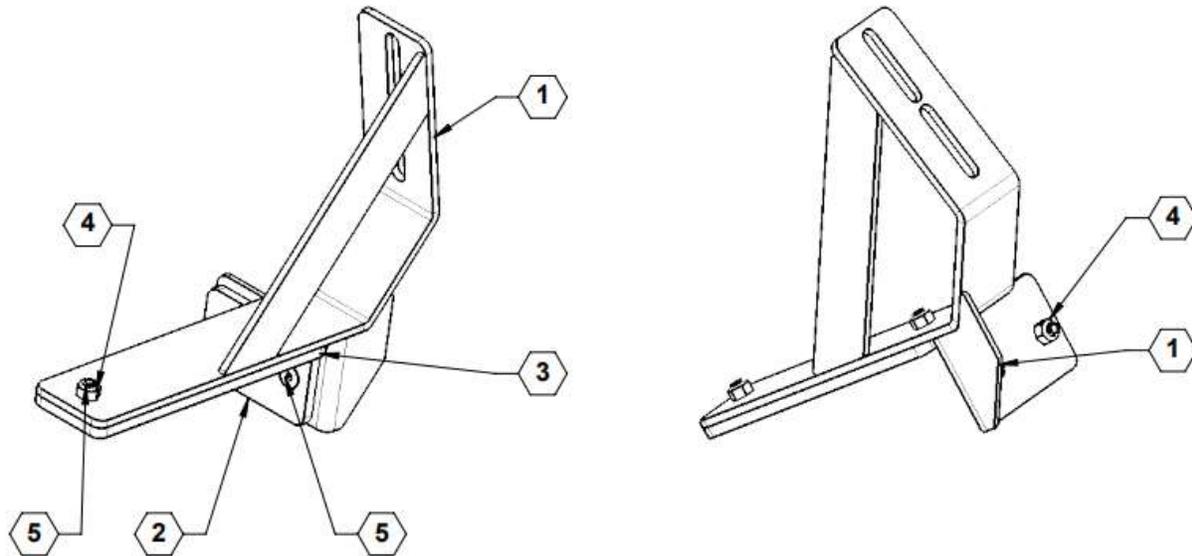
W3 Transport Rest Assembly



Parts List 36795: W3 Transport Rest Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	36482	1	PLATE, SOFT TOOTH LATCH
2	36796	1	WELDMENT, TRANSPORT BRACKET
3	36799	1	PLATE, HARD HOOK
4	596130M	2	BOLT, HH 3/8-16 X 2 GR5 MAGNI
5	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
6	596239M	1	NUT, CENTERLOCK, 1/2-13 MAGNI
7	596258M	6	WASHER, FLAT 3/8 MAGNI
8	596592M	2	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
9	596846M	1	BOLT, SHOULDER, 5/8 X 1-1/4" MAGNI

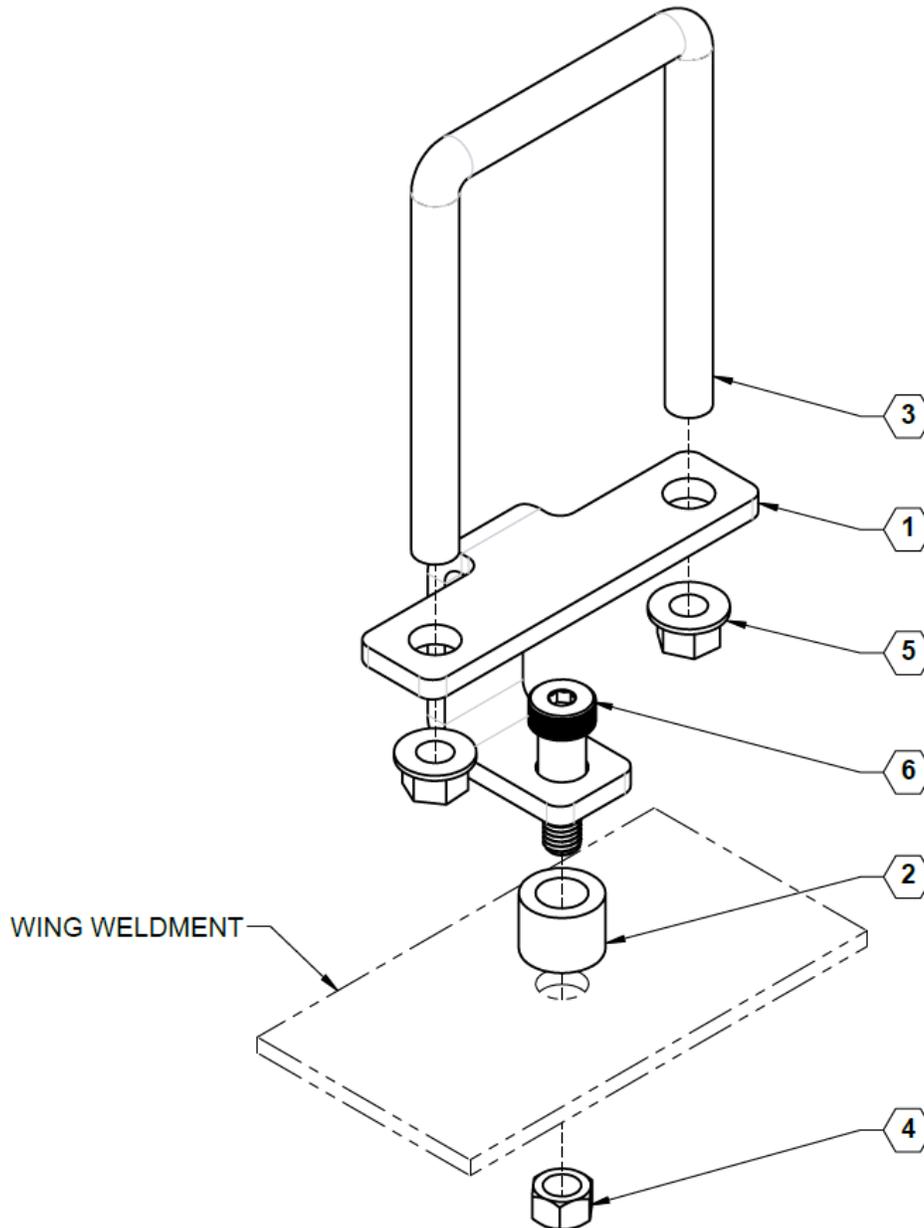
W4 Transport Rest Assembly



Parts List 36810: W4 Transport Rest Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	36811	1	WELDMENT, TRANSPORT BRACKET
2	590106	1	PAD, TRANSPORT
3	590110	1	PAD, RUB, LONG
4	596227M	4	NUT, HEX NYLOCK 1/4-20 MAGNI
5	596629M	4	FHSCS 1/4-20 X 3/4 MAGNI

Boom Routing Swiveling Hose Clamp



Parts List 37532: Boom Routing Swiveling Hose Clamp

ITEM	PART NO.	QTY.	DESCRIPTION
1	37529	1	PLATE, HOSE CONTROL
2	37530	1	SPACER, HOSE CONTROL
3	590186	1	U-BOLT, 5/8 X 4 X 5-3/4
4	596239M	1	NUT, CENTERLOCK, 1/2-13 MAGNI
5	596771M	2	NUT, HEX FLANGE 1/2-13 MAGNI
6	596846M	1	BOLT, SHOULDER, 5/8 X 1-1/4" MAGNI

LIFT and CENTER**Lift Arms / P-Links**

For S18/S26, see 36907 in Trailer Parts Manual 820118



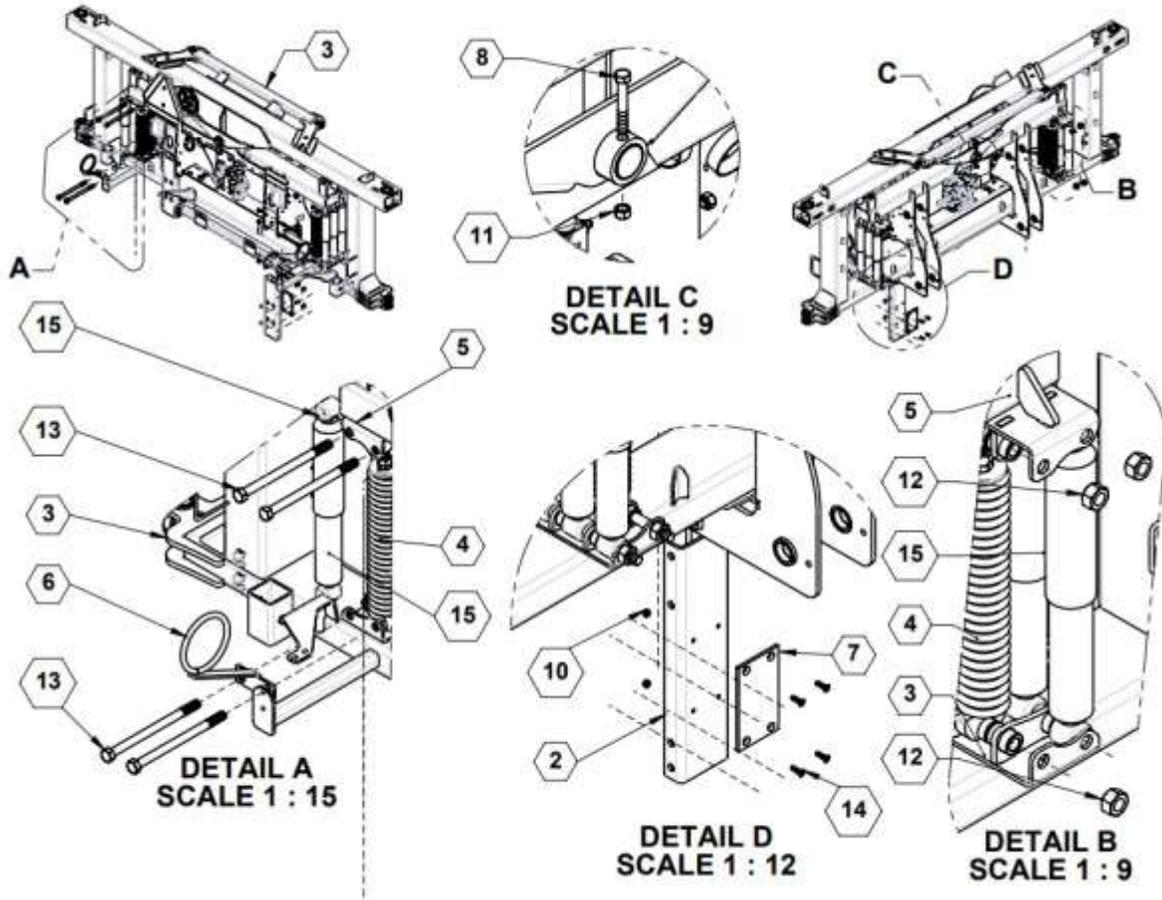
<https://fastagsolutions.com/820118-s18-s26-parts-manual-english/>

For S23, see 36706 in Trailer Parts Manual 820116



<https://fastagsolutions.com/820116-s-series-parts-manual-english/>

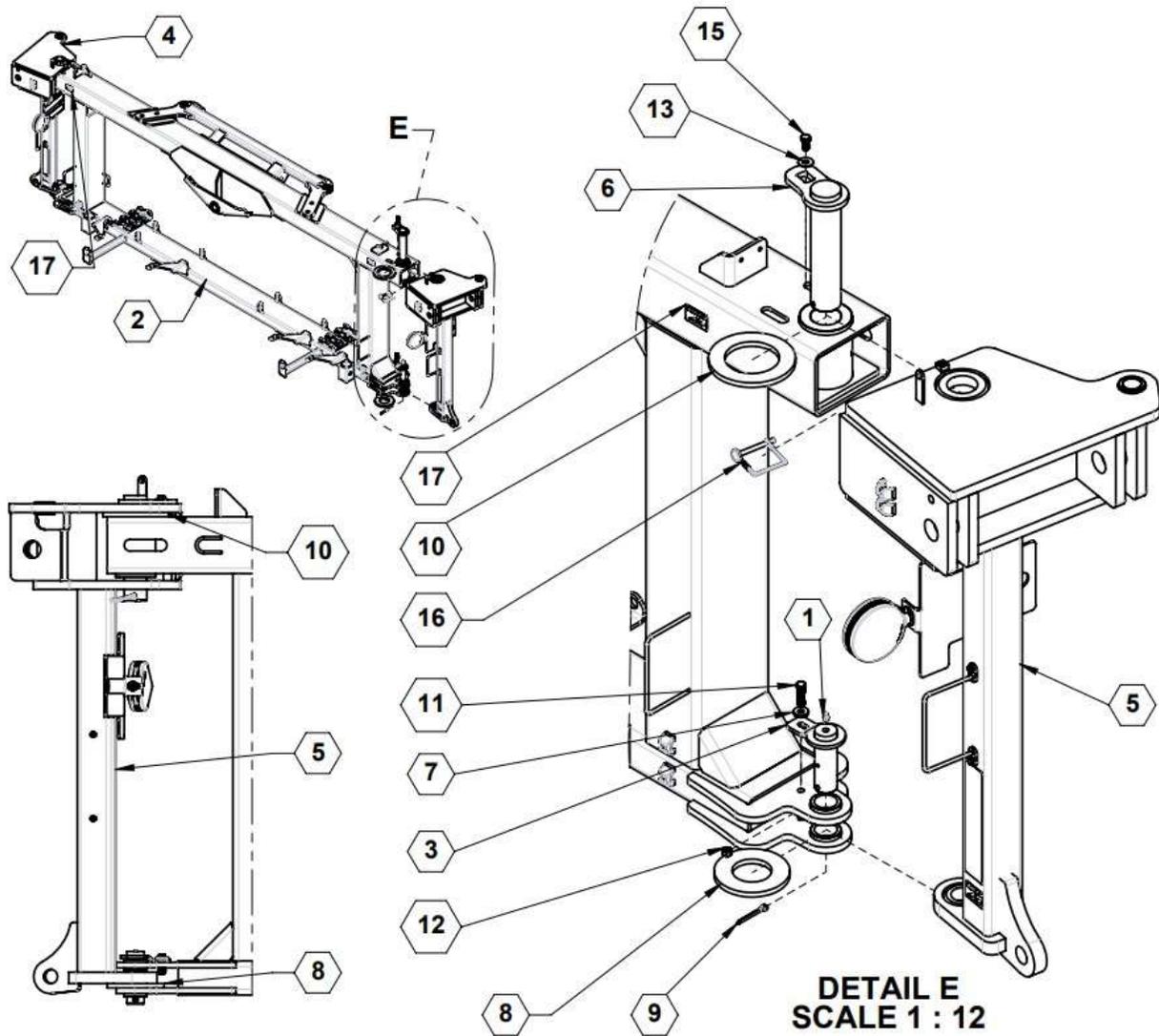
Center Assembly



Parts List 36908 / 36856: Center Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	11515	1	PIN, MAIN PIVOT
2	16518	2	TUBE, CRADLE LOCK
3	22017	1	WLDMNT, TRUSS CENTER SECTION
4	28360	4	ASM, CRADLE CENTERING SPRING
5	36899	1	ASSEMBLY, BOOM INNER TO P-LINK (S32)
	36909		ASSEMBLY, BOOM INNER TO P-LINK (S18/S26)
6	37752	2	WELDMENT, HOSE ROUTING MOUNT
7	590079	2	RUB PLATE
8	596157M	1	BOLT, HH 1/2 X 3-1/2 GR5 MAGNI
9	596163M	8	BOLT, HH 1/2 X 6-1/2 GR5 MAGNI
10	596227M	8	NUT, HEX NYLOCK 1/4-20 MAGNI
11	596239M	9	NUT, CENTERLOCK, 1/2-13 MAGNI
12	596241M	8	NUT, CENTERLOCK 3/4-10 MAGNI
13	596397M	8	BOLT, HH 3/4-10 X 11 GR5 MAGNI
14	596630M	8	FHSCS 1/4-20 X 1 MAGNI
15	790010	6	SHOCK, YELLOW 7400 120' CENTER

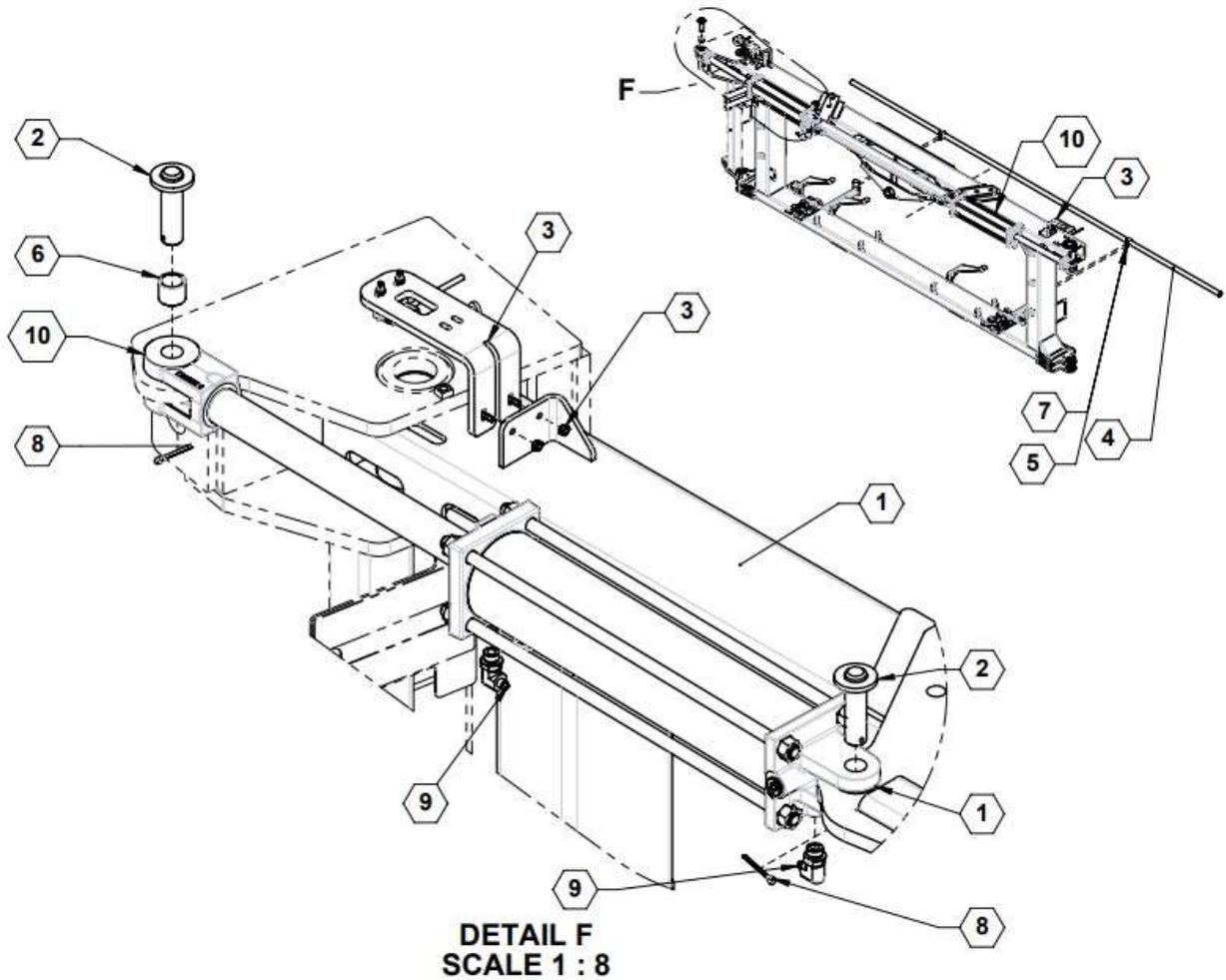
Center Assembly (continued)



Parts List 36908 / 36856: Center Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	2	ZERK, 1/4-28 STRAIGHT PIPE THREAD
2	22017	1	WLDMNT, TRUSS CENTER SECTION
3	35568	2	WLDMNT, LOWER PIVOT PIN
4	36890L	1	ASSEMBLY, CENTER HINGE, LEFT
5	36890R	1	ASSEMBLY, CENTER HINGE, RIGHT
6	36892	2	WLDMT, UPPER HINGE PIN
7	530309	2	WASHER, 1.00 OD X .406 ID X .188, MAGNI
8	590038	2	WASHER, 2 5/8" ID THRUST
9	590403	2	COTTER PIN, 1/4" X 2"
10	590901	2	WASHER, 3.625000 ID, 5.8 OD THRUST
11	596129M	2	BOLT, HH 3/8-16X1-1/2 GR5 MAGNI
12	596237M	2	NUT, CENTERLOCK 3/8-16 MAGNI
13	596258M	2	WASHER, FLAT 3/8 MAGNI
14	596767M	1	NUT, HEX FLANGE 1/4-20 MAGNI
15	596818M	2	BOLT, HH 3/8-16 X 3/4 GR5 MAGNI
16	720001	2	SNAP PIN, 5/16
17	800287	2	DECAL, GREASE PIVOT POINTS

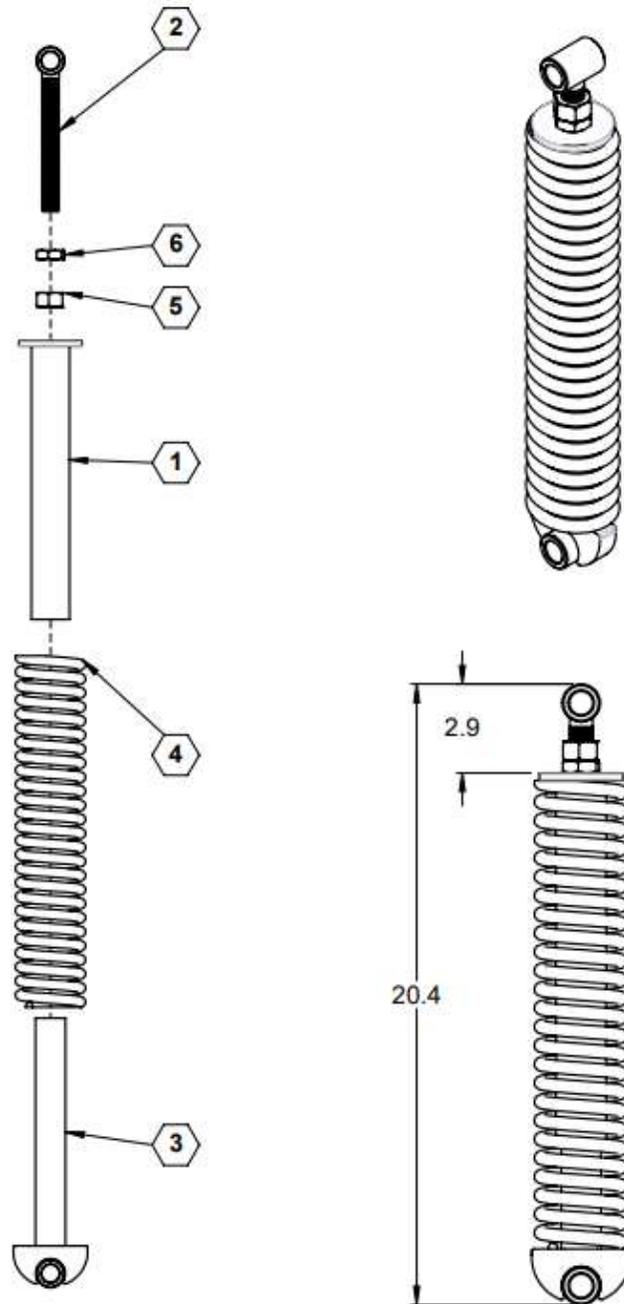
Center Assembly (continued)



Parts List 36908 / 36856: Center Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	22017	1	WLDMNT, TRUSS CENTER SECTION
2	28111	4	PIN WLDMNT, 1.00 CYL PIN
3	36707	2	ASSEMBLY, ROTATION SENSOR
4	36826	1	TUBE, BUMPER
5	530168	2	1/4" 1 1/2 U-BOLT SQ.
6	590248	4	SLEEVE BEARING, 1.00ID, 1.25OD, 1.00LG, CAST BRONZE
7	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI
8	596808M	4	COTTER PIN, 3/16 X 2" MAGNI
9	610029	4	ADAPTER, -4MJIC X -8MORB90
10	620077	2	CYLINDER, 4 X 18"

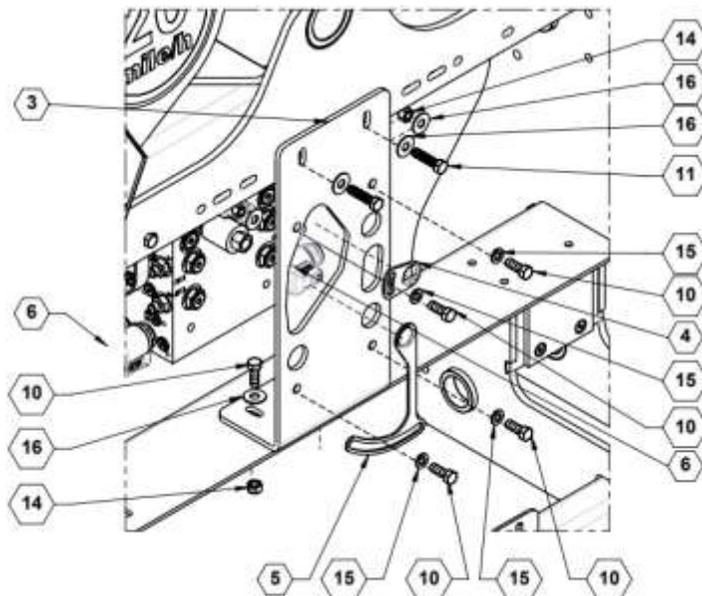
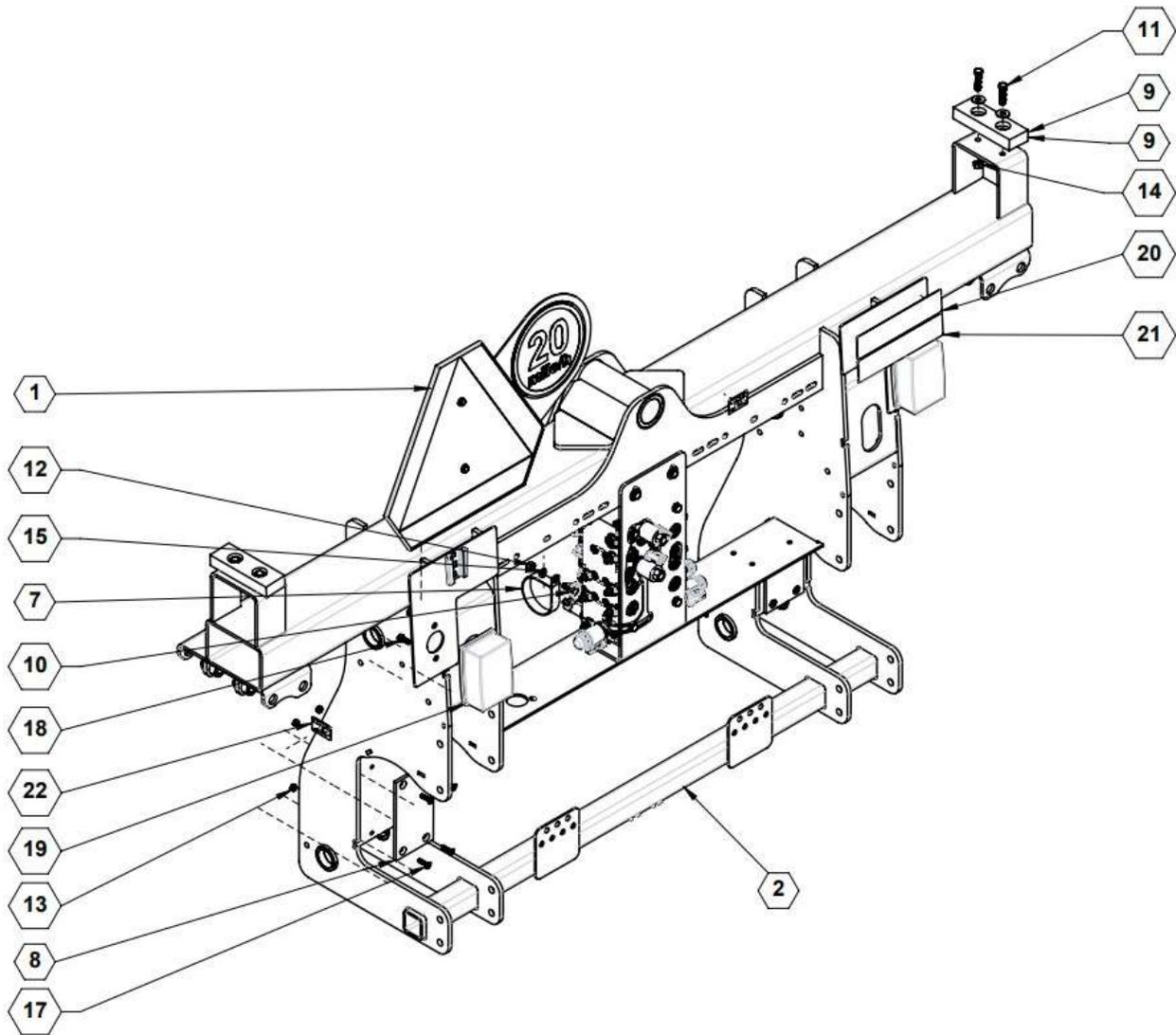
Cradle Centering Spring



Parts List 28360: Cradle Centering Spring

ITEM	PART NO.	QTY.	DESCRIPTION
1	7442	1	OUTER SPRING GUIDE
2	7444	1	SPRING ADJUSTMENT EYEBOLT
3	11620	1	BASE SPRING MT
4	590011	1	CENTER SECTION SPRING
5	596217M	1	NUT, HEX 3/4-10 G5 MAGNI
6	596225M	1	NUT, HEX JAM 3/4-10 GR8 MAGNI

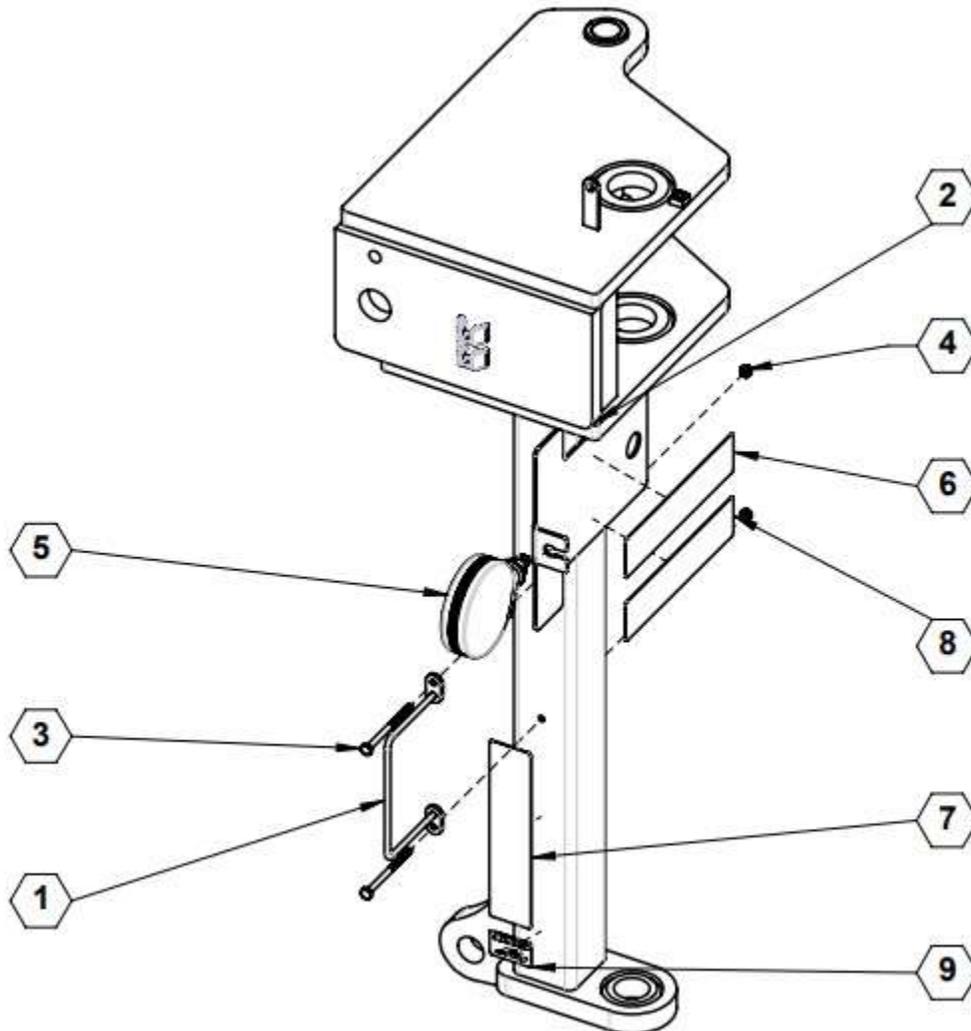
Boom Inner to P-Links



Parts List 36899 / 36909: Boom Inner to P-Links

ITEM	PART NO.	QTY.	DESCRIPTION
1	90SASMV	1	SMV ASSEMBLY
2	16040	1	PIVOT, CENTER, PASSIVE TRIPLE (S18/S26)
	34253		PIVOT, CENTER, PASSIVE TRIPLE (S32)
3	18389	1	PLATE, MOUNT, RAVEN
4	21496	1	PLATE, CARTRIDGE LOCK
5	21497	1	PLATE, CARTRIDGE LOCK
6	36711	1	ASSEMBLY, HYD BLOCK W/ FITTINGS
7	540052	2	P-CLAMP, 3" W/3/8" HOLE
8	590079	2	RUB PLATE
9	590094	2	BUMPER PAD, 6" LG
10	596128M	8	BOLT, HH 3/8-16 X 1 GR5 MAGNI
11	596129M	6	BOLT, HH 3/8-16X1-1/2 GR5 MAGNI
12	596213M	2	NUT, HEX 3/8-16 MAGNI
13	596227M	8	NUT, HEX NYLOCK 1/4-20 MAGNI
14	596237M	8	NUT, CENTERLOCK 3/8-16 MAGNI
15	596250M	6	LOCKWASHER, 3/8 MAGNI
16	596258M	10	WASHER, FLAT 3/8 MAGNI
17	596630M	8	FHSCS 1/4-20 X 1 MAGNI
18	596737M	4	BOLT, HH 8-1.25 X 20MM 8.8 MAGNI
19	740025	2	LIGHT, RED SURF MNT ASSY
20	800109	1	DECAL, RED REFLECTOR
21	800111	1	DECAL, NON-REFLECTIVE, ORANGE
22	800287	3	DECAL, GREASE PIVOT POINTS

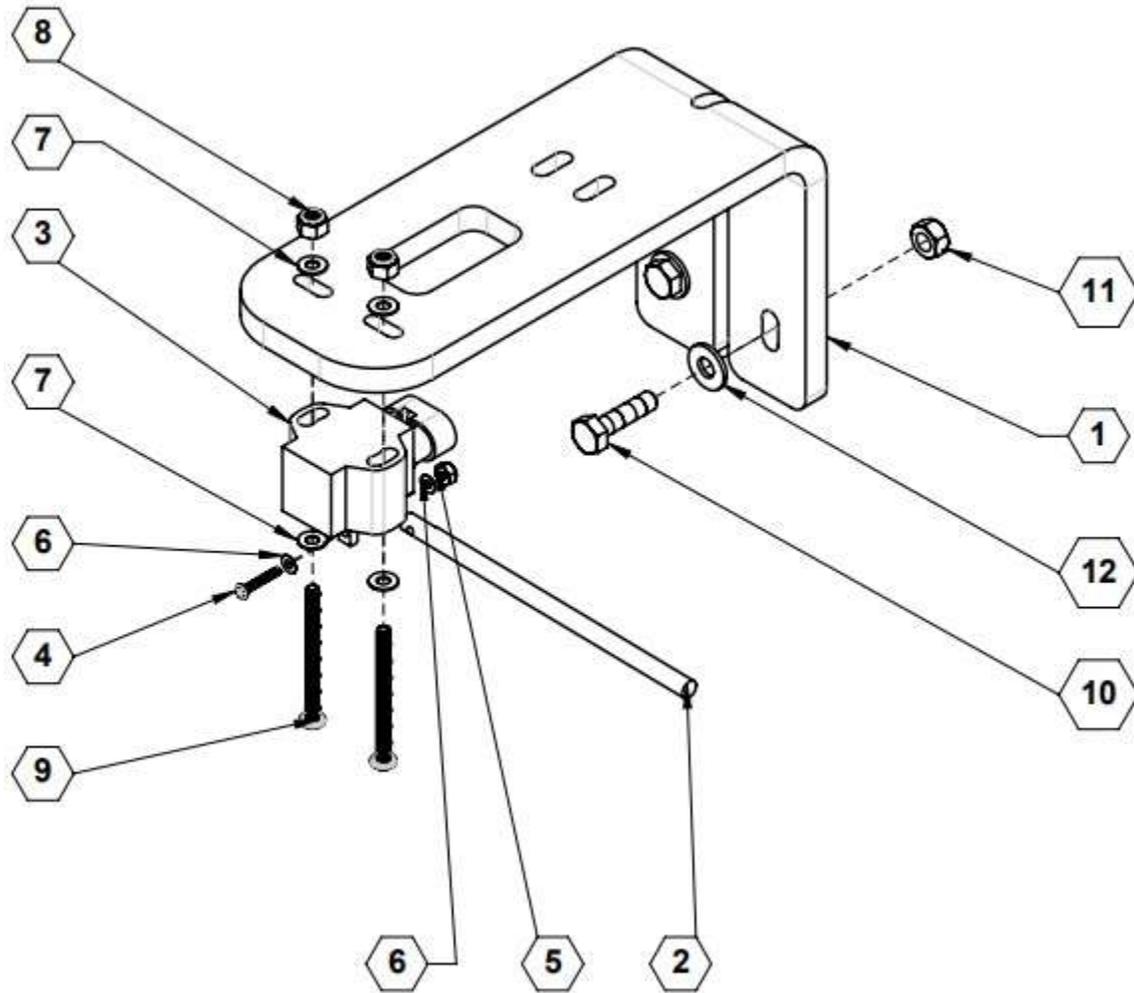
Center Hinge Assembly



Parts List 36890L / 36890R: Center Hinge Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	18267	1	BOLT ON HOSE HOLDER
2	22219L	1	WING PIVOT LH, HYD YAW
	22219R		WING PIVOT RH, HYD YAW
3	596107M	2	BOLT, HH 1/4-20X3-1/2 GR5 MAGNI
4	596235M	2	NUT, CENTERLOCK, 1/4-20 MAGNI
5	740024	1	LIGHT, AMBER, PED. MOUNT
6	800109	1	DECAL, RED REFLECTOR
7	800110	1	DECAL, AMBER, REFLECTOR
8	800111	1	DECAL, NON-REFLECTIVE, ORANGE
9	800287	1	DECAL, GREASE PIVOT POINTS

Rotation Sensor Assembly

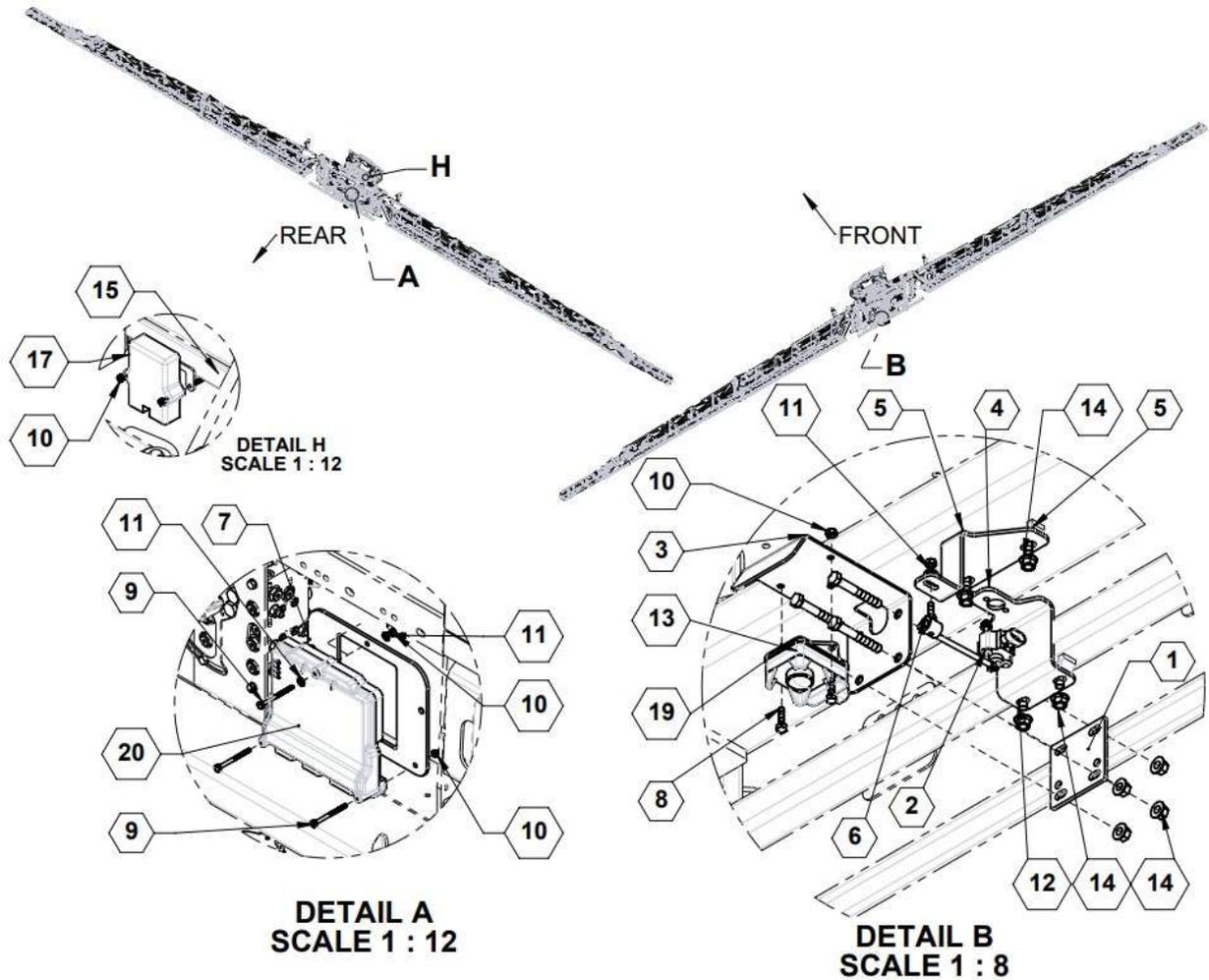


Parts List 36707: Rotation Sensor Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	22904	1	SENSOR MT BRKT
2	22906	1	ROD, ROTARY SENSOR LEVER
3	22955	1	270 DEGREE ROTARY SENSOR
4	590275	1	SCREW PHIL 3-48 X .625 SS18-8
5	590276	1	NUT NYLON 3-48 SS18-8
6	590277	2	WASHER #3 SS18-8
7	590435	4	WASHER, #8 SS
8	590436	2	NUT, NYLOCK, 8-32 SS
9	590437	2	SCREW, #8-32 X 2" SS
10	596115M	2	BOLT, HH 5/16-18 X 1 GR5 MAGNI
11	596236M	2	NUT, CENTERLOCK, 5/16-18 MAGNI
12	596257M	2	WASHER, FLAT 5/16 USS MAGNI

CONTROLS

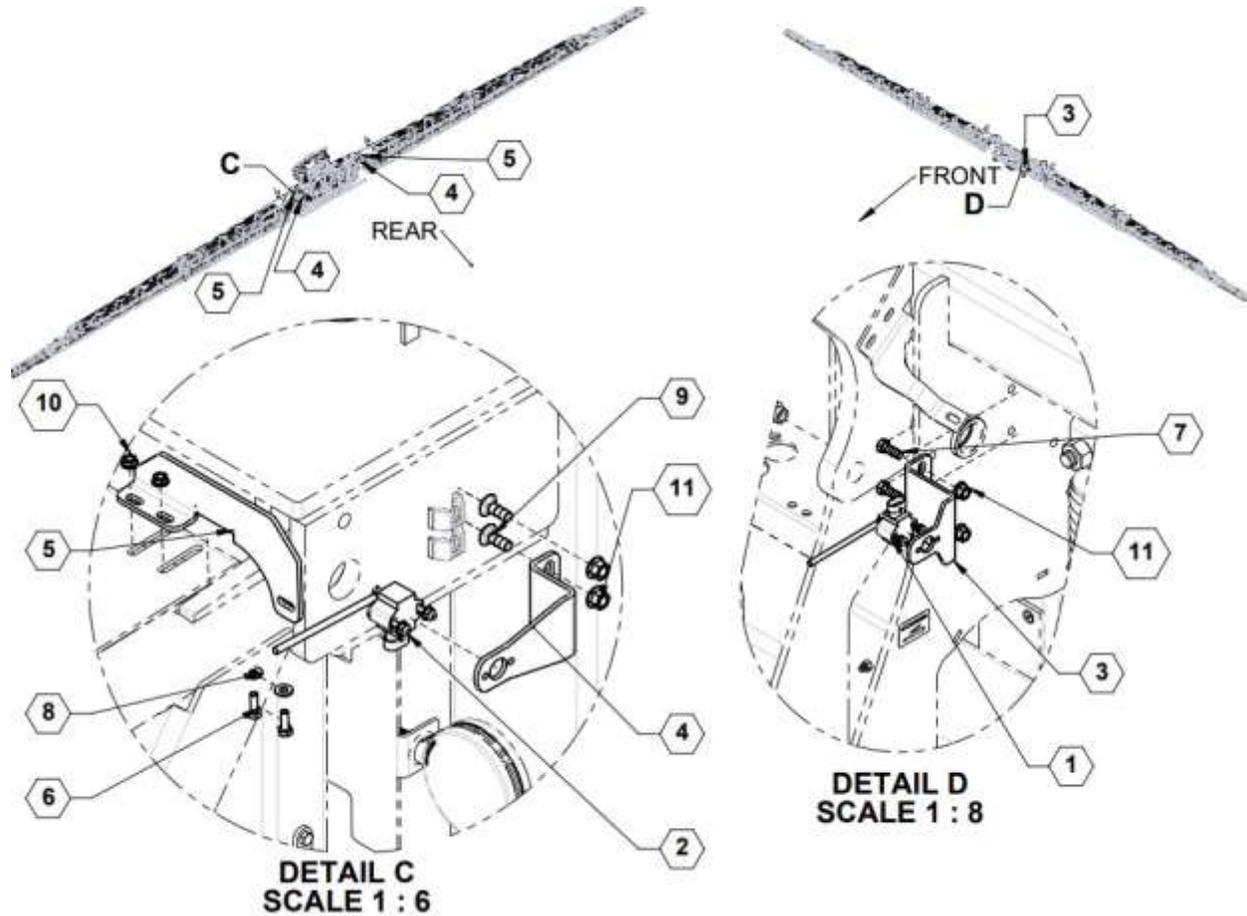
AutoBoom XRT



Parts List 36840: AutoBoom XRT

ITEM	PART NO.	QTY.	DESCRIPTION
1	18317	1	PLATE, BACKING
2	28853-1	1	ASSEMBLY, ROTATION SENSOR 050
3	28895	1	BRACKET, XRT SENSOR, TRUSS CENTER
4	34701	1	PLATE, SENSATA MOUNT
5	34719	1	PLATE, ROLL SENSOR
6	34721	1	WLDMNT, SLIDE PIVOT
7	37157	1	PLATE, XRT NODE
8	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
9	596110M	3	BOLT, HH 1/4-20 X 3 MAGNI
10	596235M	8	NUT, CENTERLOCK, 1/4-20 MAGNI
11	596256M	3	WASHER, FLAT 1/4 USS MAGNI
12	596592M	4	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
13	596637M	4	BOLT, HH 3/8-16 X 2-3/4 GR5 MAGNI
14	596769M	8	NUT, HEX FLANGE 3/8-16 MAGNI
15	596848M	2	BOLT, HH 1/4-20 X 2 GR5 MAGNI
16	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
17	632199	1	NODE, XRT AUTOBOOM FOLD YAW
18	632207	1	KIT, XRT AB/AF/AY 120/132
19	632209	1	SENSOR, XRT
20	632225	1	RAVEN REM XRT

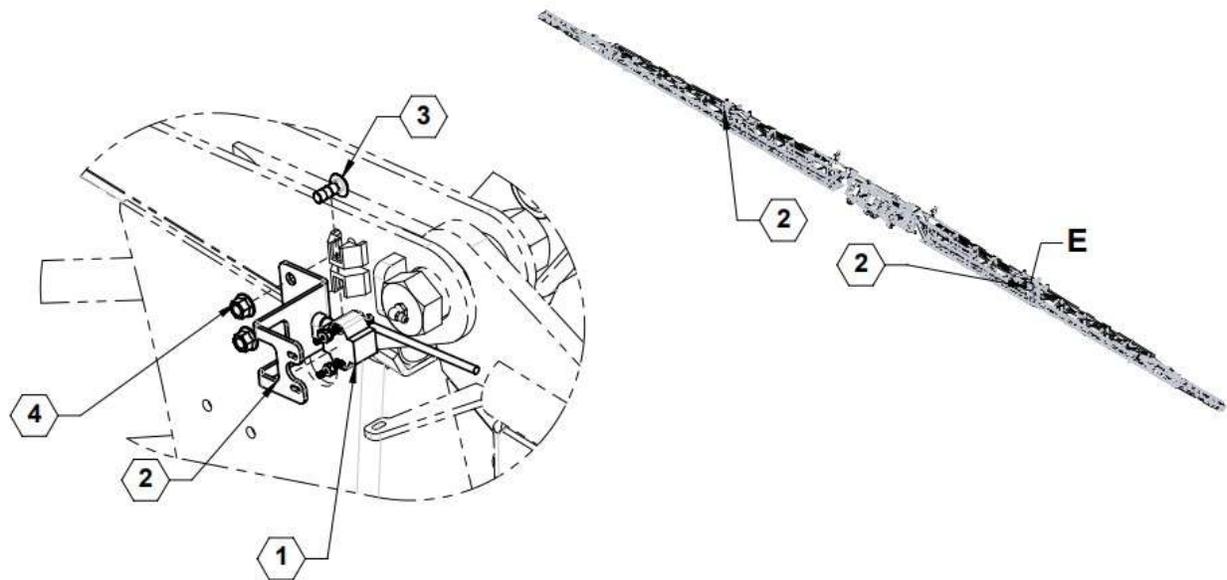
AutoBoom XRT (continued)



Parts List 36840: AutoBoom XRT

ITEM	PART NO.	QTY.	DESCRIPTION
1	21495-1	1	ASSEMBLY, ROTATION SENSOR 180
2	28853-1	2	ASSEMBLY, ROTATION SENSOR 050
3	34701	1	PLATE, SENSATA MOUNT
4	34704	2	PLATE, TILT ROTARY SENSOR
5	34705	2	PLATE, WING TILT SENSOR
6	596101M	4	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
7	596128M	2	BOLT, HH 3/8-16 X 1 GR5 MAGNI
8	596256M	4	WASHER, FLAT 1/4 USS MAGNI
9	596592M	2	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
10	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI
11	596769M	4	NUT, HEX FLANGE 3/8-16 MAGNI

AutoBoom XRT (continued)

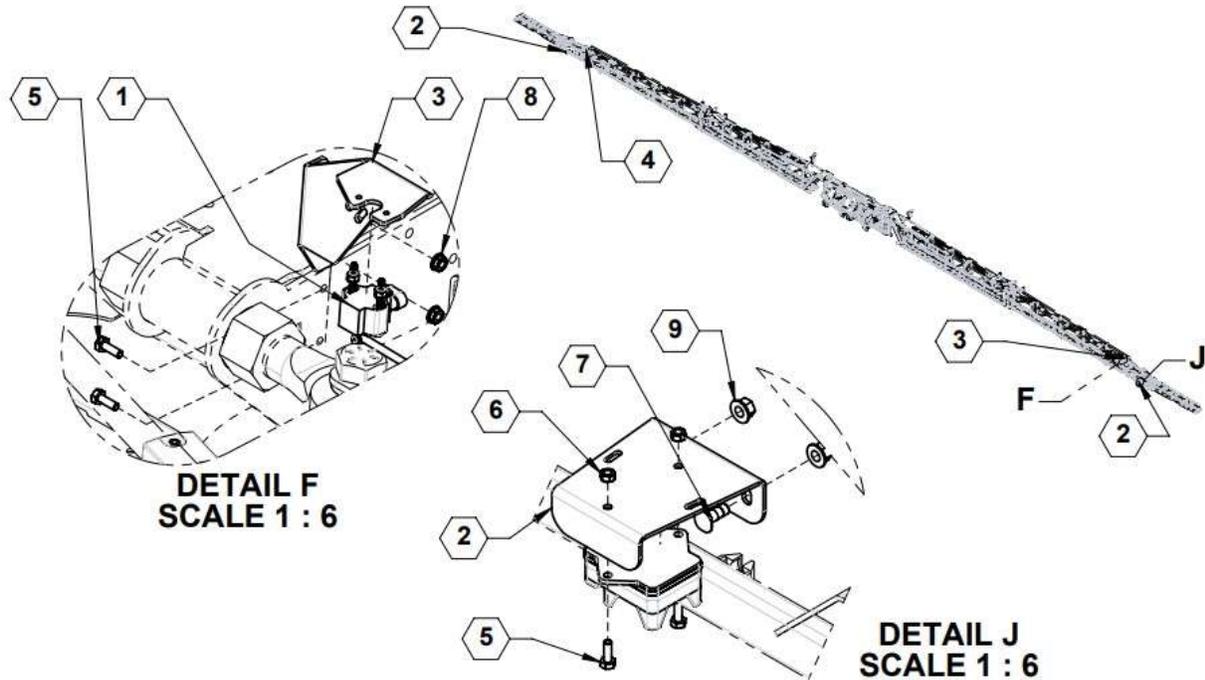


DETAIL E
SCALE 1 : 6

Parts List 36840: AutoBoom XRT

ITEM	PART NO.	QTY.	DESCRIPTION
1	22955-1	2	ASSEMBLY, ROTATION SENSOR 270
2	36458	2	PLATE, XRT SENSOR W1W2
3	596592M	4	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
4	596769M	4	NUT, HEX FLANGE 3/8-16 MAGNI

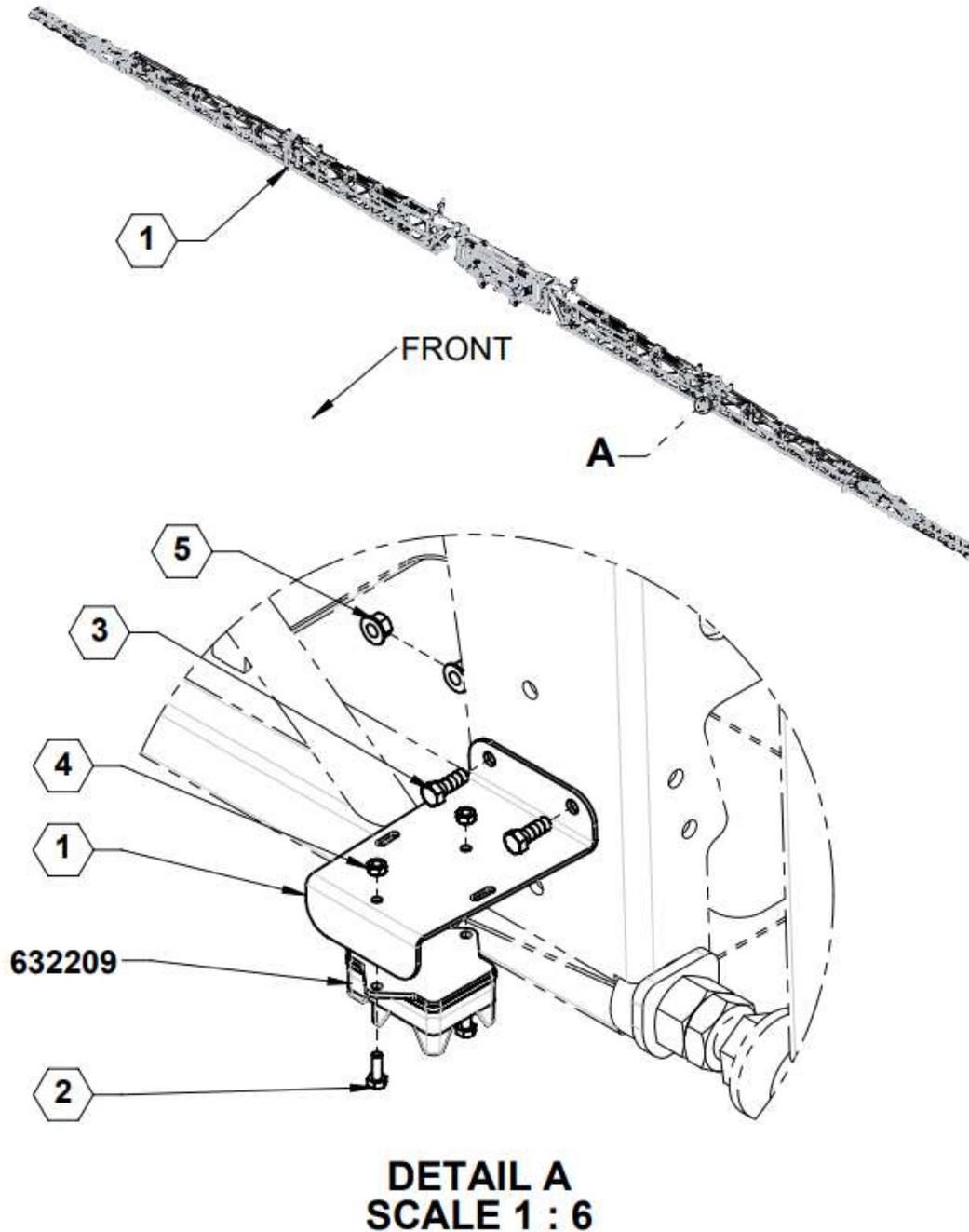
AutoBoom XRT (continued)



Parts List 36840: AutoBoom XRT

ITEM	PART NO.	QTY.	DESCRIPTION
1	22955-1	2	ASSEMBLY, ROTATION SENSOR 270
2	36829	2	PLATE, XRT HEIGHT BRACKET
3	37800L	1	PLATE, XRT SENSOR MOUNT
4	37800R	1	PLATE, XRT SENSOR BRACKET
5	596101M	8	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
6	596235M	4	NUT, CENTERLOCK, 1/4-20 MAGNI
7	596592M	5	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
8	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI
9	596769M	5	NUT, HEX FLANGE 3/8-16 MAGNI

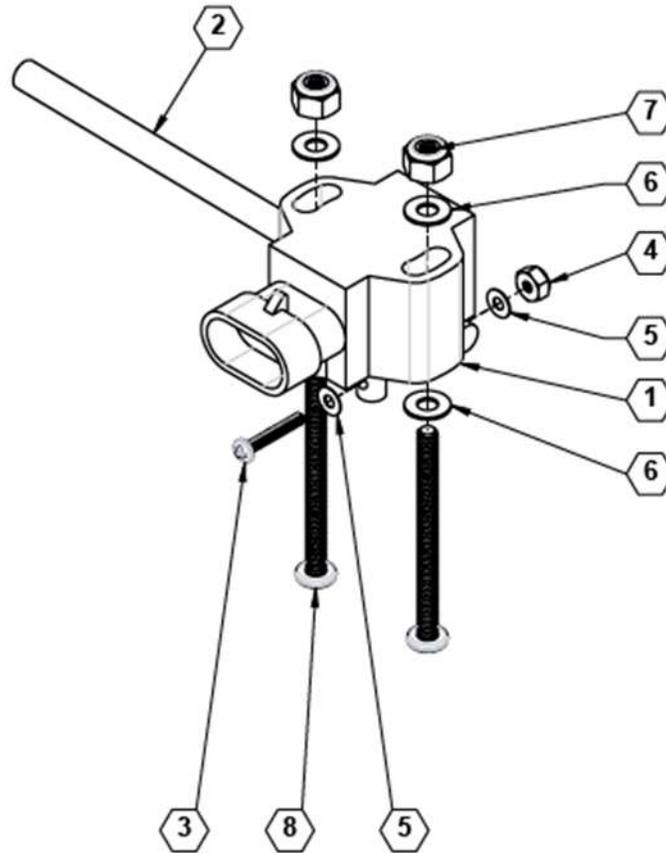
XRT +2 Height Sensor Option



Parts List 36843: XRT +2 Height Sensor Option

ITEM	PART NO.	QTY.	DESCRIPTION
1	36845	2	PLATE, XRT W1 HEIGHT SENSOR
2	596101M	4	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
3	596128M	4	BOLT, HH 3/8-16 X 1 GR5 MAGNI
4	596235M	4	NUT, CENTERLOCK, 1/4-20 MAGNI
5	596769M	4	NUT, HEX FLANGE 3/8-16 MAGNI

XRT Rotary Sensor

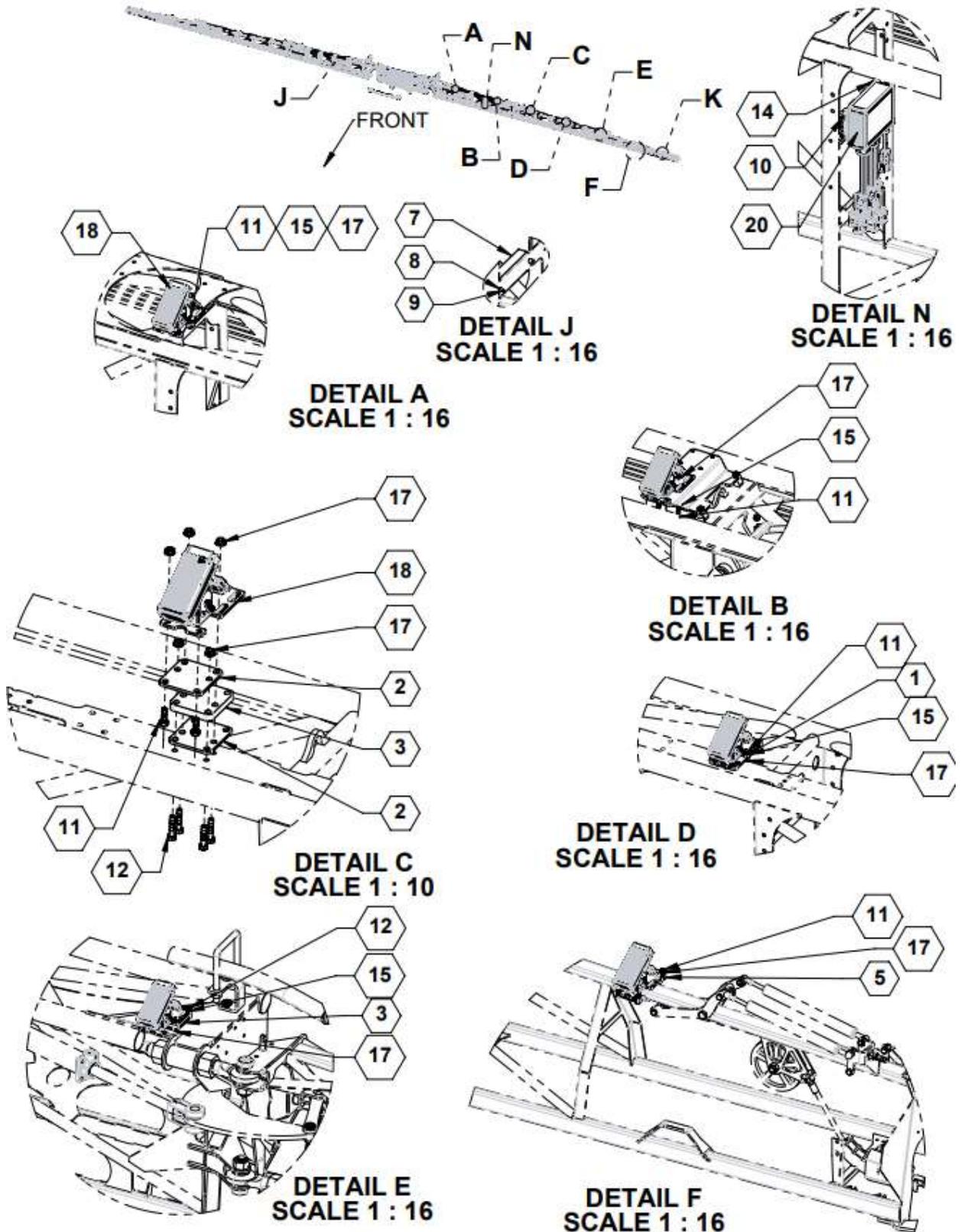


Parts List 21495-1 / 22955-1 / 28853-1: XRT Rotary Sensor

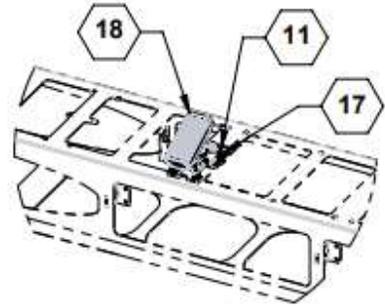
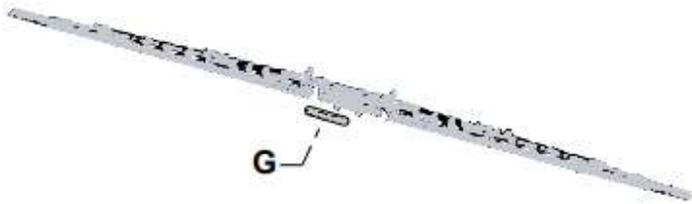
ITEM	PART NO.	QTY.	DESCRIPTION
1	21495	1	180 ROTARY SENSOR
	22955		270 ROTARY SENSOR
	28853		050 ROTARY SENSOR
2	22906	1	ROD, ROTARY SENSOR LEVER
3	590275	1	SCREW PHIL 3-48 X .625 SS18-8
4	590276	1	NUT NYLON 3-48 SS18-8
5	590277	2	WASHER #3 SS18-8
6	590435	4	(180/270) WASHER, #8 SS
	590272		(050 only) WASHER, #10 SS
7	590436	2	(180/270) NUT, NYLOCK, 8-32 SS
	590274		(050 only) NUT, NYLON 10-24 SS
8	590437	2	(180/270) SCREW, #8-32 X 2" SS
	590275		(050 only) SCREW, #10-24 X 1.75 SS

CAMERAS

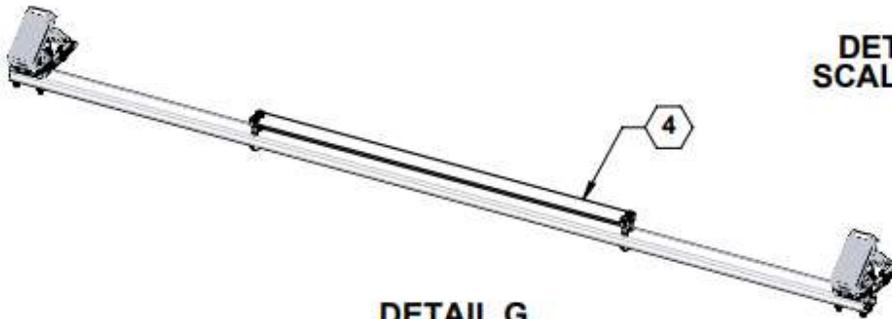
Carbon Bee



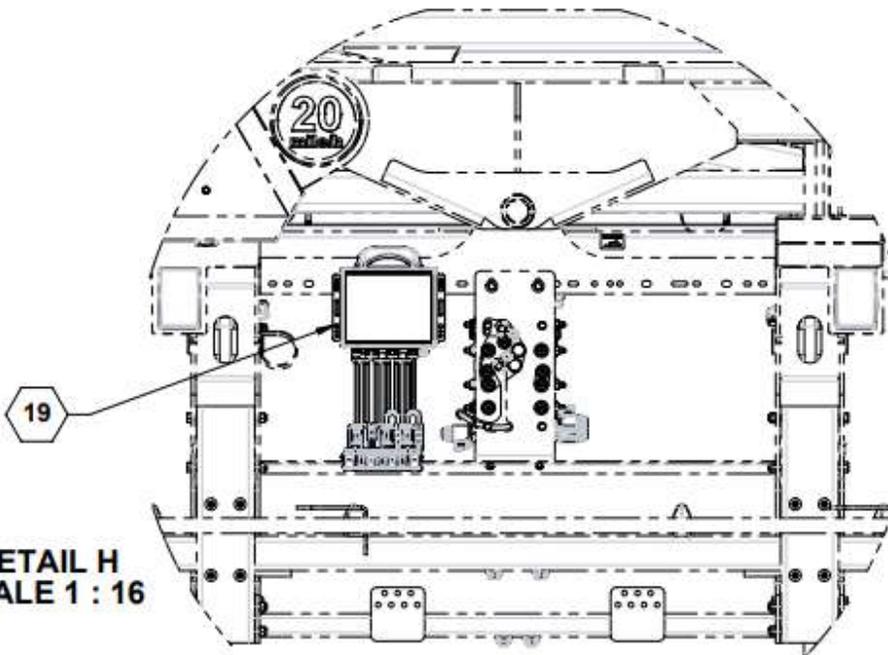
Carbon Bee (continued)



**DETAIL K
SCALE 1 : 16**



**DETAIL G
SCALE 1 : 16**

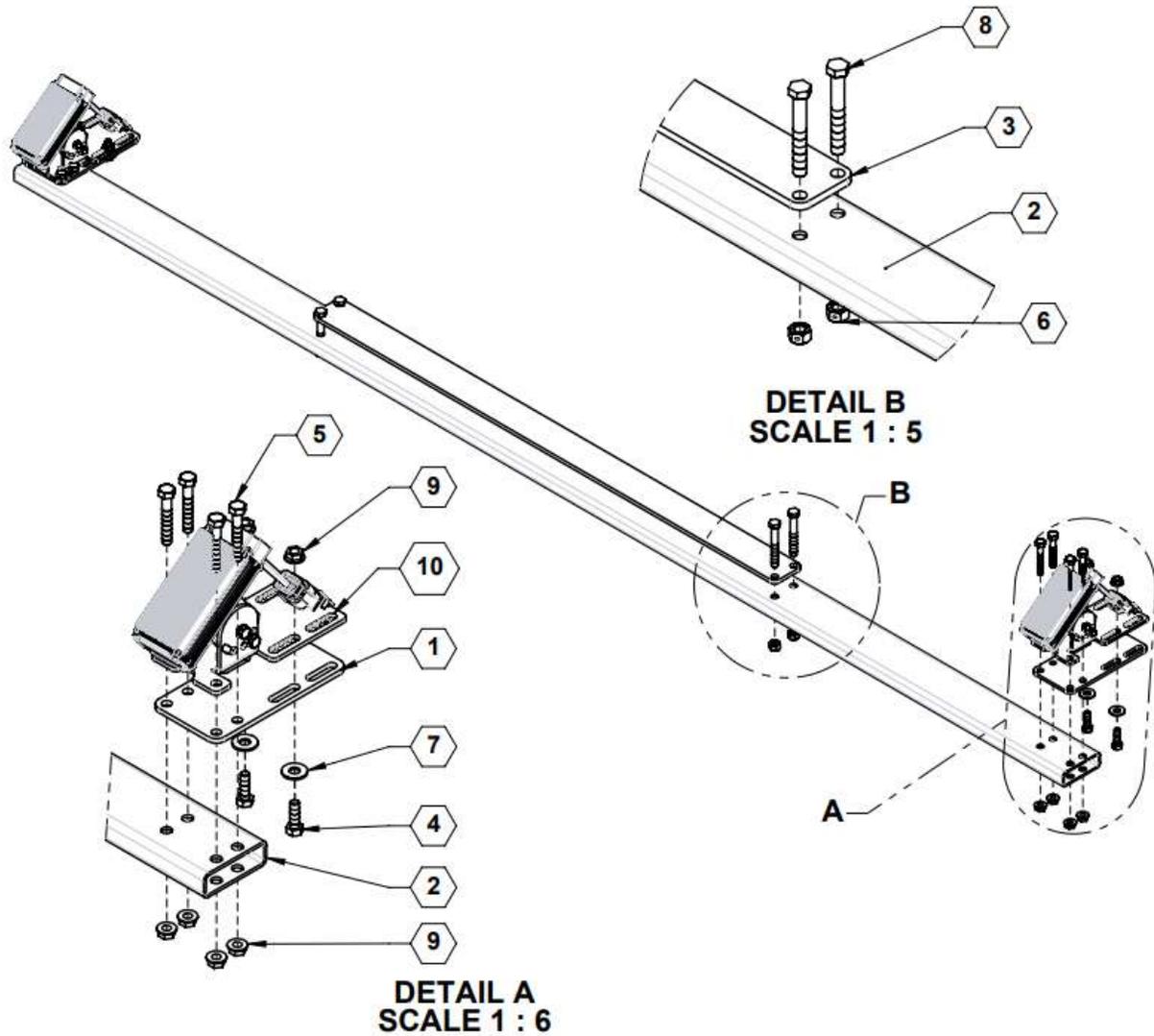


**DETAIL H
SCALE 1 : 16**

Parts List 36491 / 37880: Carbon Bee

ITEM	PART NO.	QTY.	DESCRIPTION
1	36492	2	PLATE, MICRO MOUNT ADAPTER
2	36493	6	PLATE, OFFSET MOUNT
3	36494	4	PLATE, MICRO RISER
4	36835	1	ASSEMBLY, CB FRONT END MOUNT
5	37898	2	PLATE, W3 CB BRACKET
6	123300-001	AR	CAPSTAN CONTROL BLOCK
7	590903	4	NUT, NYLOCK M4-0.7 SS18-8
8	590905	4	BOLT, HH M4 X 20MM, SS
9	596101M	10	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
10	596115M	44	BOLT, HH 5/16-18 X 1 GR5 MAGNI
11	596116M	16	BOLT, HH 5/16-18 X 1-1/2 GR5 MAGNI
12	596235M	10	NUT, CENTERLOCK, 1/4-20 MAGNI
13	596257M	32	WASHER, FLAT 5/16 USS MAGNI
14	596768M	60	NUT, HEX FLANGE 5/16-18 MAGNI
15	632253	14	ASSEMBLY, SENSOR AND BRACKET
16	-	1	CONTROLLER-X
17	-	2	DISPATCHER-X

Carbon Bee Front Mount – John Deere



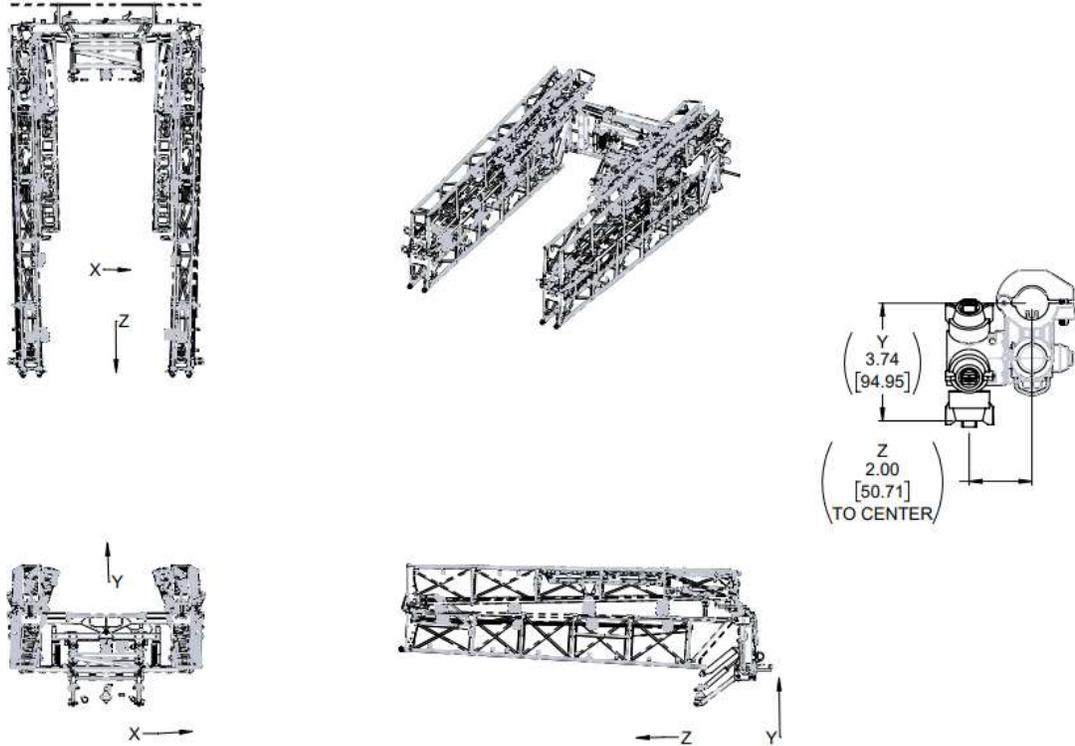
Parts List 36835: Carbon Bee Front Mount – John Deere

ITEM	PART NO.	QTY.	DESCRIPTION
1	36492	2	PLATE, MICRO MOUNT ADAPTER
2	36838	1	TUBE, FRONT END MOUNT
3	36839	1	PLATE, TOP CLAMP FRONT
4	596115M	4	BOLT, HH 5/16-18 X 1 GR5 MAGNI
5	596117M	8	BOLT, HH 5/16-18 X 2 GR5 MAGNI
6	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
7	596257M	4	WASHER, FLAT 5/16 USS MAGNI
8	596637M	4	BOLT, HH 3/8-16 X 2-3/4 GR5 MAGNI
9	596768M	12	NUT, HEX FLANGE 5/16-18 MAGNI
10	632252	2	ASSEMBLY, SENSOR AND BRACKET

Precision Planting Layout Dimensions

Reference Triad & Nozzle Offset

COORDINATE SYSTEM REFERENCE



X = LEFT/RIGHT from MACHINE CENTER

Y = UP/DOWN from WETBOOM (TUBE) CENTER

Z = FORWARD/BACKWARD from BOOM CENTER

W#_Z = FORWARD/BACKWARD of WETBOOM CENTER from BOOM CENTER

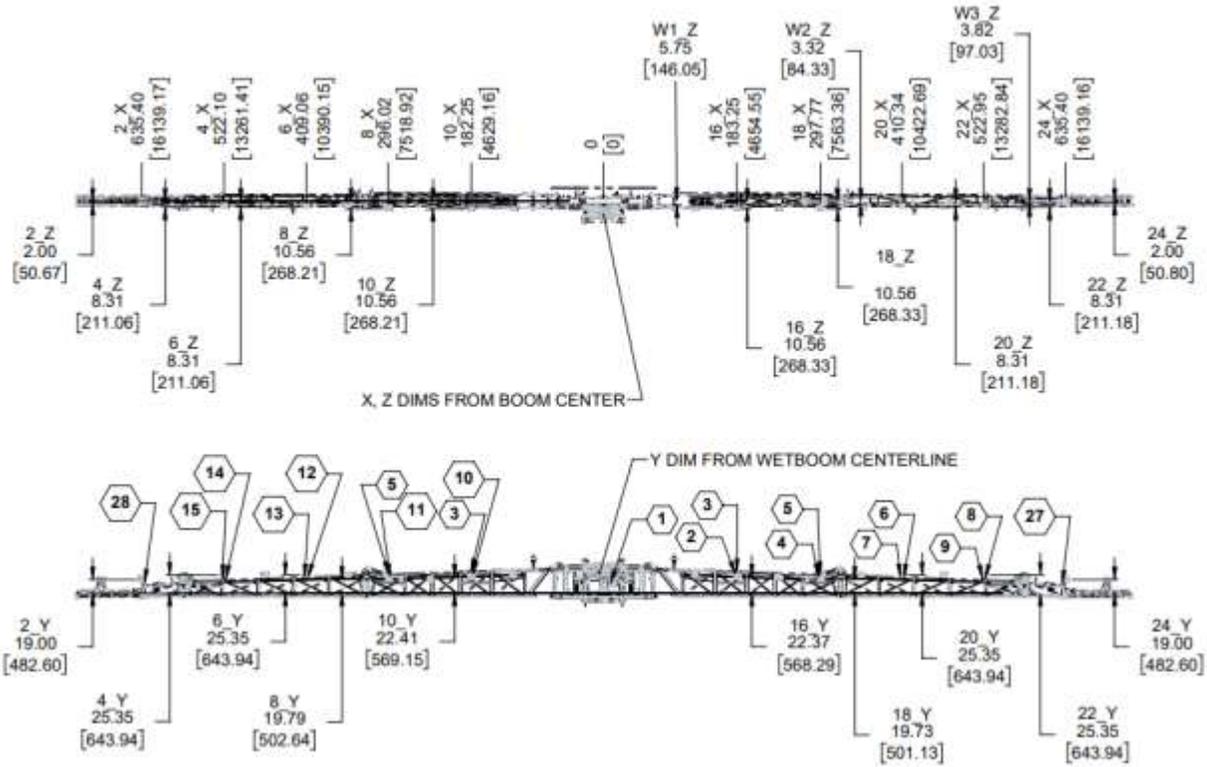
Dimensions are given in inches with millimeters in brackets, e.g. "10.20 [259]" is 10.2 inches and 259 millimeters.

Nozzle offset values are given as reference only. Confirm dimensions for your equipped nozzles.

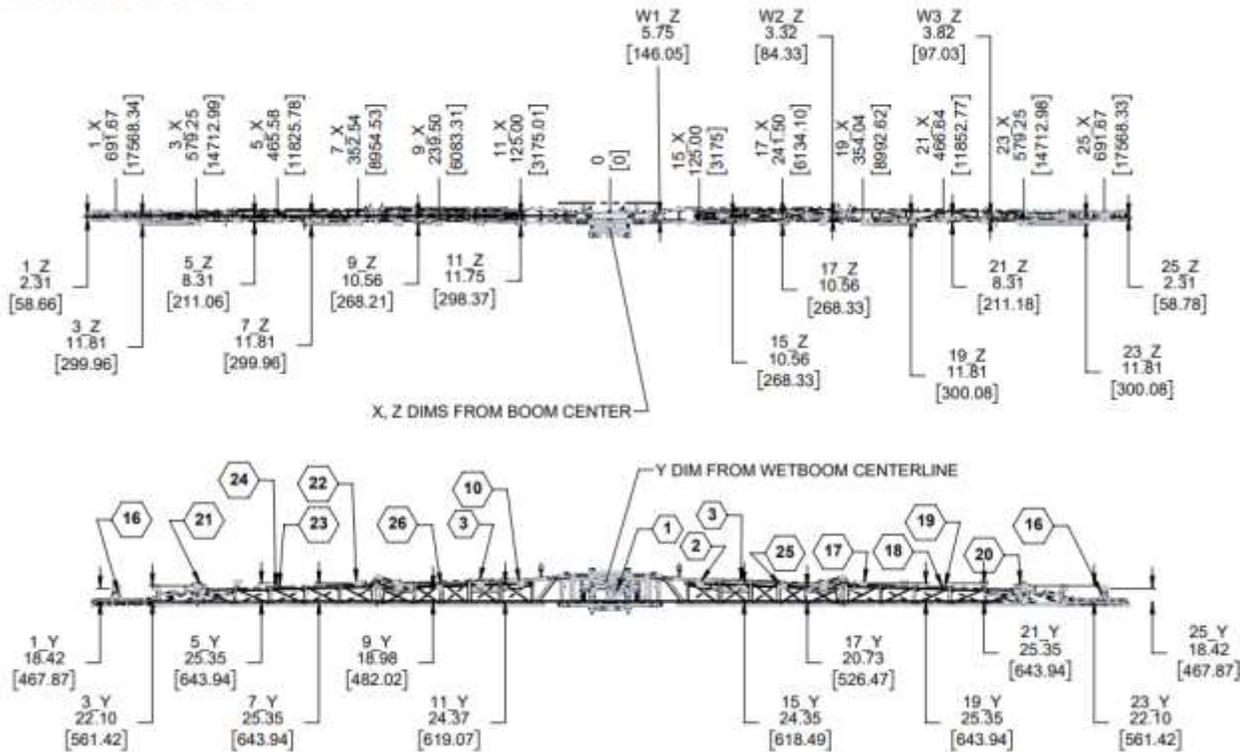
Numbers in the hexagonal balloons are the Item Numbers related to the assembly's Bill of Materials.

120' Spot & Rate (36971)

DIMENSIONS COMMON TO RATE

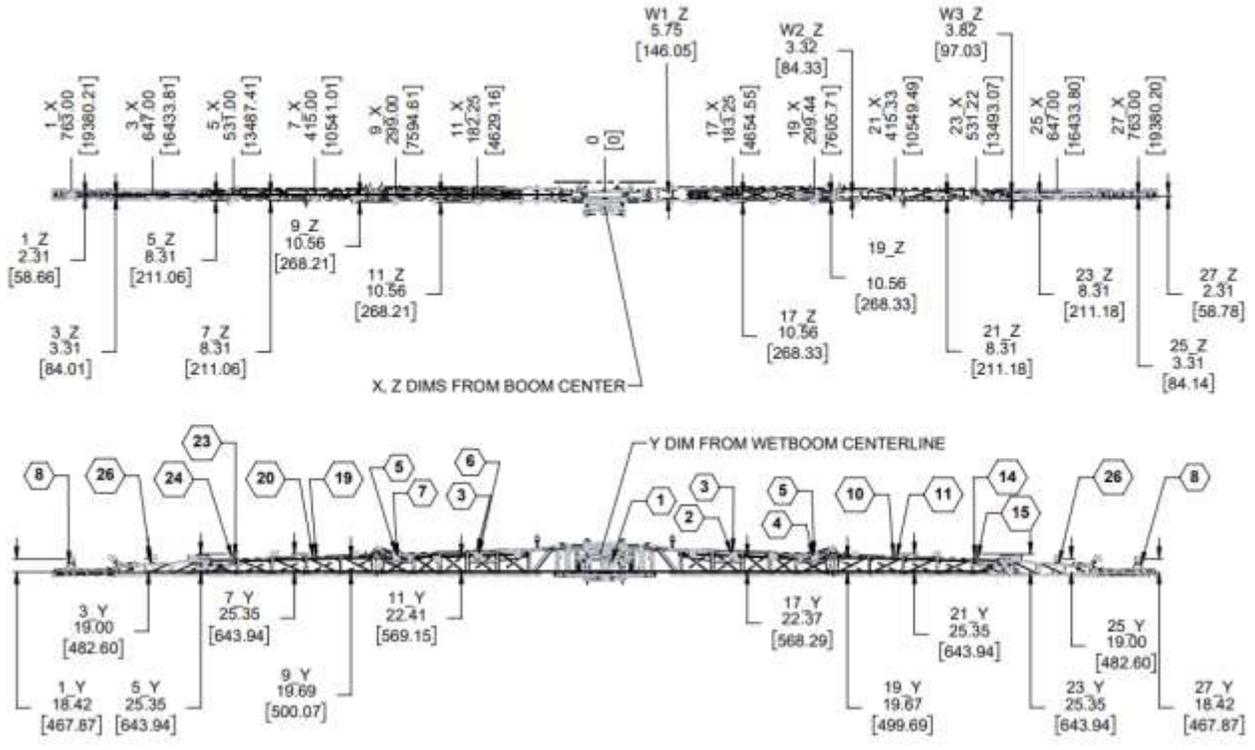


DIMENSIONS SPECIFIC TO SPOT

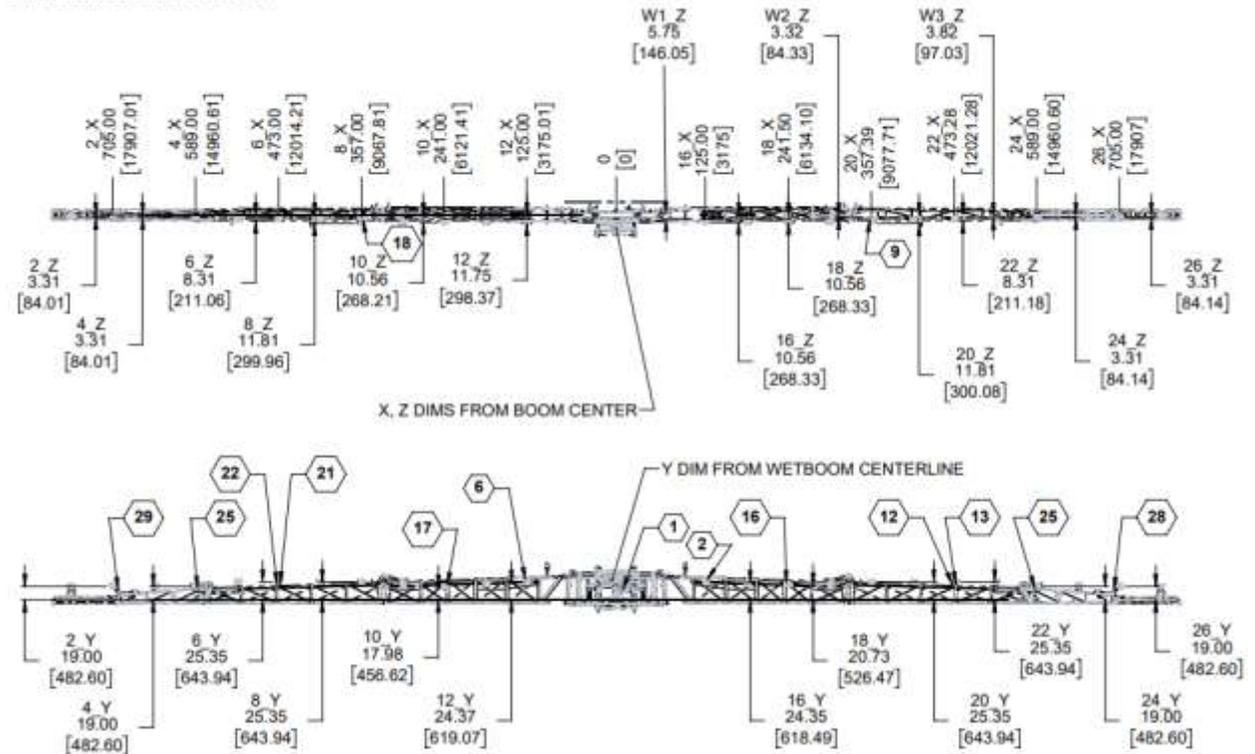


132' Spot & Rate (36972)

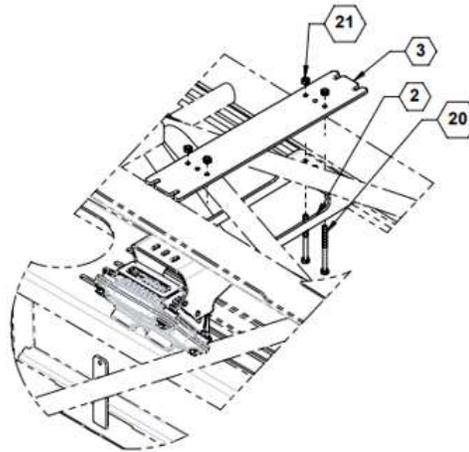
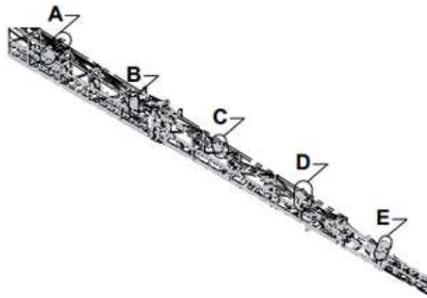
DIMENSIONS COMMON TO RATE



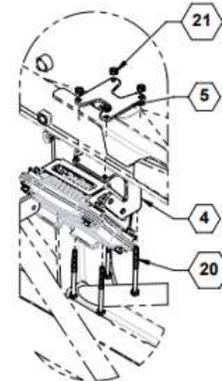
DIMENSIONS SPECIFIC TO SPOT



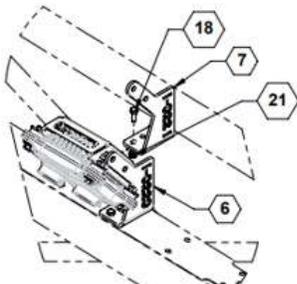
Precision Planting – Rate (Low Density) 120'



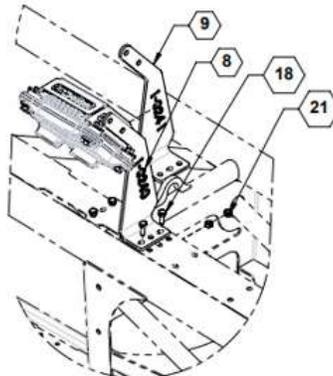
**DETAIL A
SCALE 1 : 8**



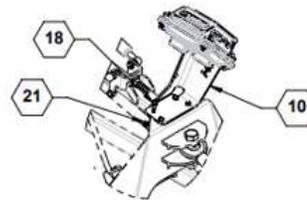
**DETAIL B
SCALE 1 : 8**



**DETAIL C
SCALE 1 : 8**



**DETAIL D
SCALE 1 : 8**

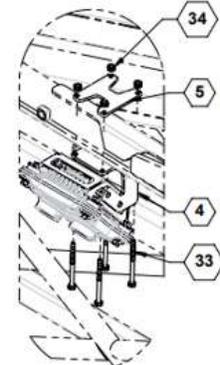
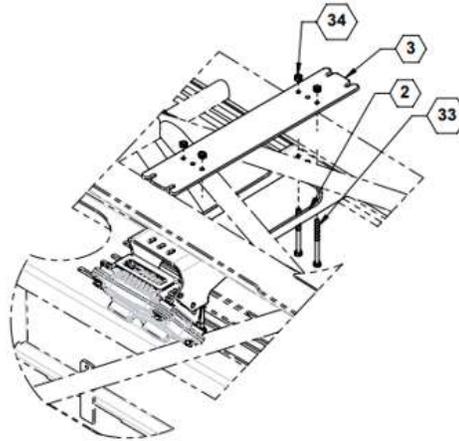
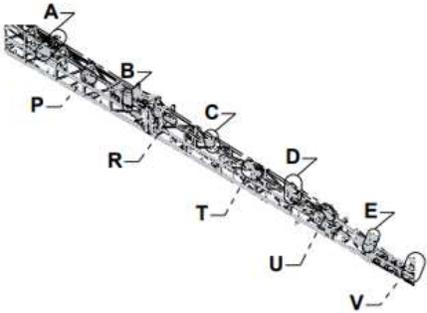


**DETAIL E
SCALE 1 : 12**

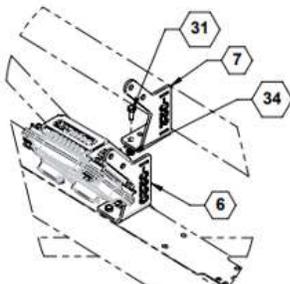
Parts List 36451: Precision Planting – Rate (Low Density) 120'

ITEM	PART NO.	QTY.	DESCRIPTION
1	36451-0010	1	PLATE, CENTER SWITCH MOUNT
2	36451-0120	1	PLATE, BETWEEN TUBE MOUNT
3	36451-0122	2	PLATE, CAMERA SENSOR MOUNT
4	36451-0140	1	PLATE, W1 END MOUNT
5	36451-0142	2	PLATE, END CAP SUPPORT
6	36451-0220	1	PLATE, W2 PP CAM BRACKET
7	36451-0221	1	PLATE, W2 PP CAM BRACKET
8	36451-0240	1	PLATE, W2 PP CAM BRACKET
9	36451-0241	1	PLATE, W2 PP CAM BRACKET
10	36451-0310	1	PLATE, CAMERA MOUNT, W3 END
11	36451-1120	1	PLATE, BETWEEN TUBE MOUNT
12	36451-1140	1	PLATE, W1 END MOUNT
13	36451-1220	1	PLATE, W2 PP CAM BRACKET
14	36451-1221	1	PLATE, W2 PP CAM BRACKET
15	36451-1240	1	PLATE, W2 PP CAM BRACKET
16	36451-1241	1	PLATE, W2 PP CAM BRACKET
17	36451-1310	1	PLATE, CAMERA MOUNT, W3 END
18	596101M	21	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
19	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
20	596107M	16	BOLT, HH 1/4-20X3-1/2 GR5 MAGNI
21	596235M	37	NUT, CENTERLOCK, 1/4-20 MAGNI
22	596767M	2	NUT, HEX FLANGE 1/4-20 MAGNI

Precision Planting – Spot (High Density) 120'

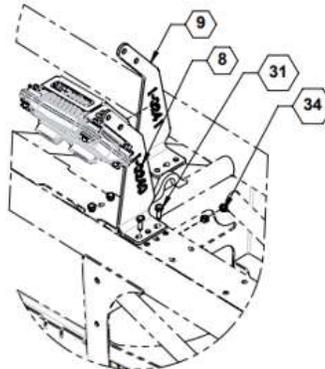


**DETAIL B
SCALE 1 : 8**

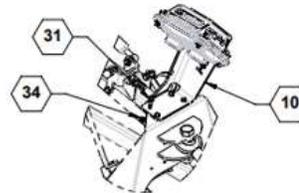


**DETAIL C
SCALE 1 : 8**

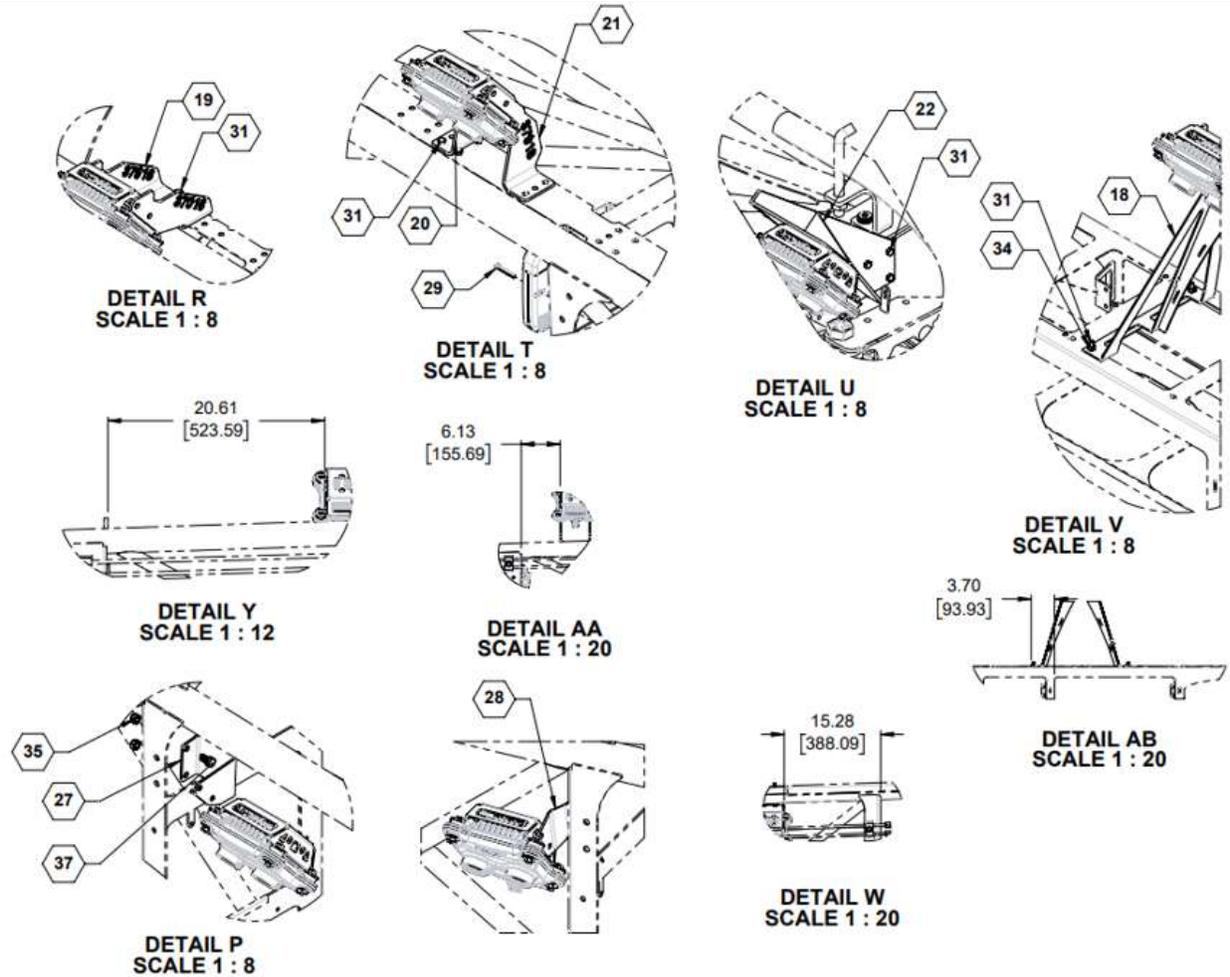
**DETAIL A
SCALE 1 : 8**



**DETAIL D
SCALE 1 : 8**



**DETAIL E
SCALE 1 : 12**



Parts List 36971: Precision Planting – Spot (High Density) 120'

ITEM	PART NO.	QTY.	DESCRIPTION
1	36451-0010	1	PLATE, CENTER SWITCH MOUNT
2	36451-0120	2	PLATE, BETWEEN TUBE MOUNT
3	36451-0122	2	PLATE, CAMERA SENSOR MOUNT
4	36451-0140	1	PLATE, W1 END MOUNT
5	36451-0142	2	PLATE, END CAP SUPPORT
6	36451-0220	1	PLATE, W2 PP CAM BRACKET
7	36451-0221	1	PLATE, W2 PP CAM BRACKET
8	36451-0240	1	PLATE, W2 PP CAM BRACKET
9	36451-0241	1	PLATE, W2 PP CAM BRACKET
10	38316L	1	PLATE, CAMERA MOUNT, W3 END
11	36451-1120	3	PLATE, BETWEEN TUBE MOUNT
12	36451-1140	1	PLATE, W1 END MOUNT
13	36451-1220	1	PLATE, W2 PP CAM BRACKET

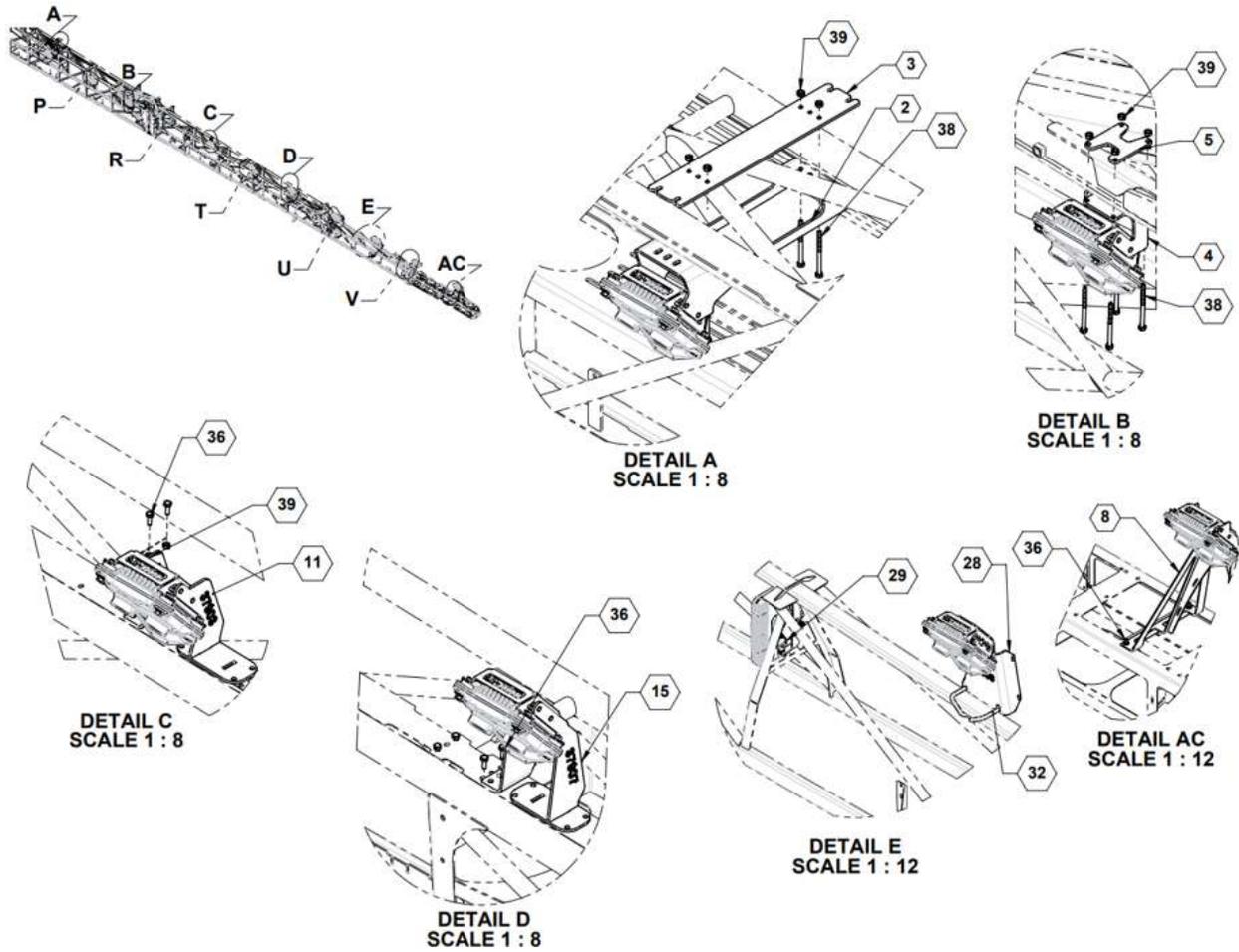


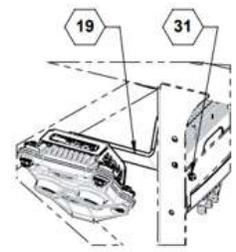
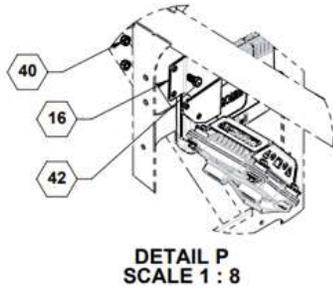
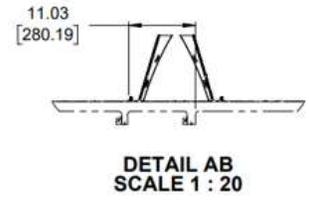
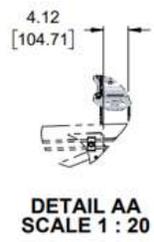
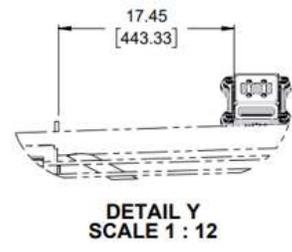
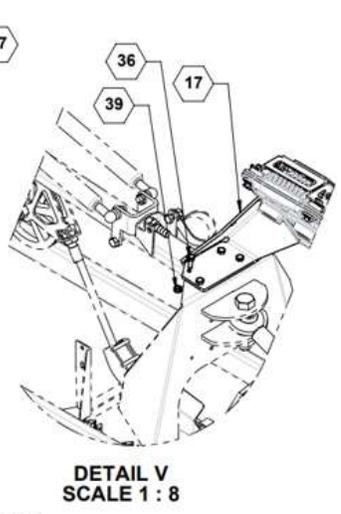
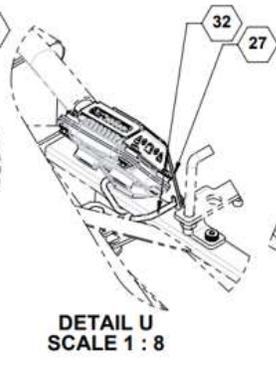
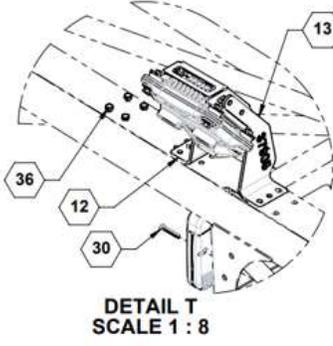
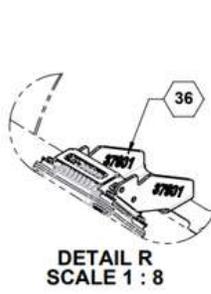
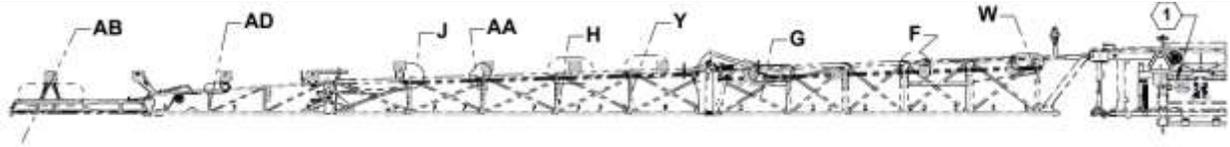
ILLUSTRATED PARTS LIST

[TOC](#)

ITEM	PART NO.	QTY.	DESCRIPTION
14	36451-1221	1	PLATE, W2 PP CAM BRACKET
15	36451-1240	1	PLATE, W2 PP CAM BRACKET
16	36451-1241	1	PLATE, W2 PP CAM BRACKET
17	38316R	1	PLATE, CAMERA MOUNT, W3 END
18	36454-010	2	BRACKET, PP CAMERA W4, L/R
19	37916	1	PLATE, W2 PP CAM BRACKET
20	37917	1	PLATE, W2 PP CAM BRACKET
21	37918	1	PLATE, W2 PP CAM BRACKET
22	37919L	1	WELDMENT, W2 END BRACKET 120
23	37919R	1	WELDMENT, W2 END BRACKET 120
24	37920	1	PLATE, W2 PP CAM BRACKET
25	37921	1	PLATE, W2 PP CAM BRACKET
26	37922	1	PLATE, W2 PP CAM BRACKET
27	37923	1	PLATE, W1 PP CAM 4L 120/132
28	37924	1	PLATE, W1 PP CAM 4R 120'
29	590243	6	SCREW, #10-32 X 1 1/2", STAINLESS
30	590244	6	NYLOCK, #10-32, STAINLESS
31	596101M	56	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
32	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
33	596107M	24	BOLT, HH 1/4-20X3-1/2 GR5 MAGNI
34	596235M	80	NUT, CENTERLOCK, 1/4-20 MAGNI
35	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
36	596767M	2	NUT, HEX FLANGE 1/4-20 MAGNI
37	596818M	4	BOLT, HH 3/8-16 X 3/4 GR5 MAGNI

Precision Planting – Spot (High Density (132’)





Parts List 36972: Precision Planting – Spot (High Density (132’)

ITEM	PART NO.	QTY.	DESCRIPTION
1	36451-0010	1	PLATE, CENTER SWITCH MOUNT
2	36451-0120	2	PLATE, BETWEEN TUBE MOUNT
3	36451-0122	2	PLATE, CAMERA SENSOR MOUNT
4	36451-0140	1	PLATE, W1 END MOUNT
5	36451-0142	2	PLATE, END CAP SUPPORT
6	36451-1120	2	PLATE, BETWEEN TUBE MOUNT
7	36451-1140	1	PLATE, W1 END MOUNT
8	36454-010	2	BRACKET, PP CAMERA W4, L/R
9	37901	1	PLATE, W2 PP CAM BRACKET
10	37902	1	PLATE, W2 PP CAM BRACKET
11	37903	1	WELDMENT, W2 PP CAM MOUNT

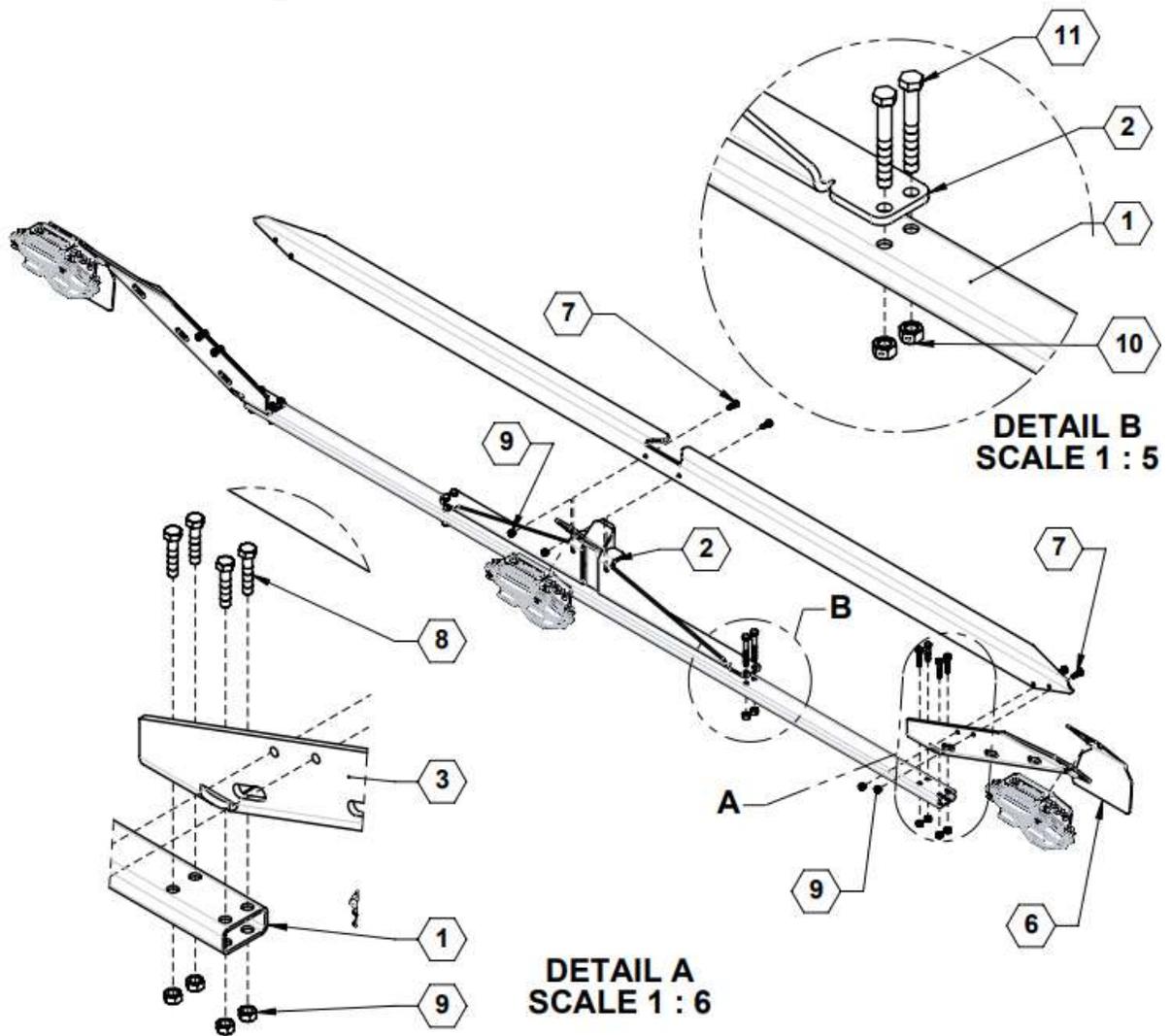


ILLUSTRATED PARTS LIST

[TOC](#)

ITEM	PART NO.	QTY.	DESCRIPTION
12	37904	1	PLATE, W2 PP CAM BRACKET
13	37905	1	PLATE, W2 PP CAM BRACKET
14	37906	1	PLATE, W2 PP CAM BRACKET
15	37907	1	WELDMENT, W2 PP CAM MOUNT
16	37923	1	PLATE, W1 PP CAM 4L 120/132
17	38941L	1	PLATE, CAMERA MOUNT, W3 END
18	38941R	1	PLATE, CAMERA MOUNT, W3 END
19	38317	1	PLATE, W1 PP CAM 4R 132/135
20	38318	1	PLATE, W2 PP CAM BRACKET
21	38319	1	PLATE, W2 PP CAM BRACKET
22	38321	1	WELDMENT, W2 PP CAM BRACKET
23	38322	1	PLATE, W2 PP CAM BRACKET
24	38323	1	PLATE, W2 PP CAM BRACKET
25	38324	1	PLATE, W2 PP CAM BRACKET
26	38326	1	WELDMENT, W2 PP CAM BRACKET
27	38327	2	PLATE, W3 CAMERA MOUNT
28	38328	2	PLATE, W3 CAMERA MOUNT
29	38329	2	PLATE, PP ETHERNET MOUNT
30	590243	8	SCREW, #10-32 X 1 1/2", STAINLESS
31	590244	8	NYLOCK, #10-32, STAINLESS
32	590257	8	U-BOLT 4X6X5/8"
33	590272	4	WASHER SAE #10 SS18-8
34	590273	4	SCREW PHIL 10-24 X 1.75 SS18-8
35	590274	4	NUT NYLON 10-24 SS18-8
36	596101M	52	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
37	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
38	596107M	24	BOLT, HH 1/4-20X3-1/2 GR5 MAGNI
39	596235M	76	NUT, CENTERLOCK, 1/4-20 MAGNI
40	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
41	596767M	2	NUT, HEX FLANGE 1/4-20 MAGNI
42	596818M	4	BOLT, HH 3/8-16 X 3/4 GR5 MAGNI

Precision Planting Front Mount – John Deere

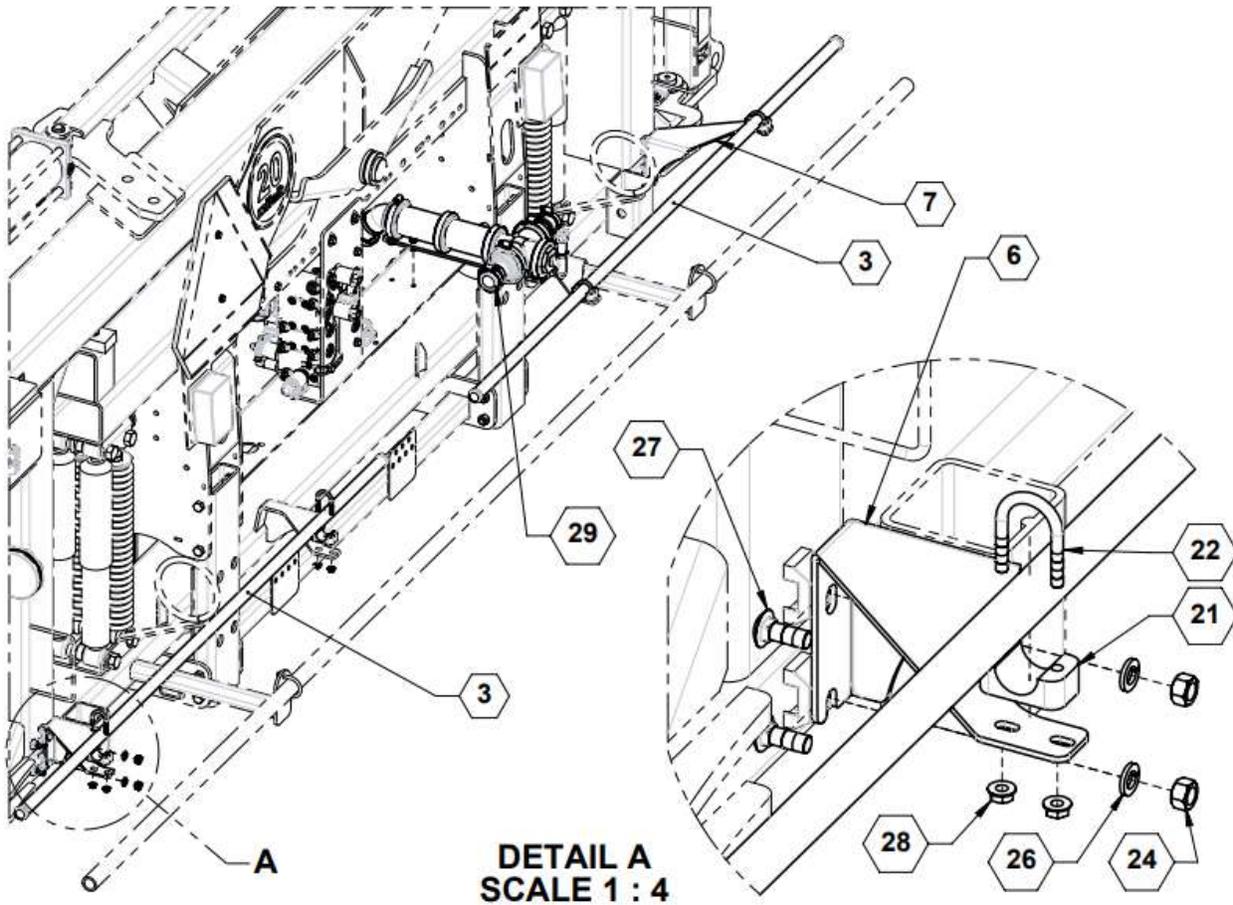


Parts List 38310 / 38315: Precision Planting Front Mount – John Deere

ITEM	PART NO.	QTY.	DESCRIPTION
1	36838	1	TUBE, FRONT END MOUNT
2	38308	1	WELDMENT, CENTER CAMERA MOUNT
	38312		PLATE, REINF CLAMP FRONT
3	38309L	1	PLATE, SHOULDER MOUNT
4	38309R	1	PLATE, SHOULDER MOUNT
5	38311	1	PLATE, TENSION TIE
6	38313	2	PLATE, MUD SKIRT
7	596114M	6	BOLT, HH 5/16-18X3/4 GR5 MAGNI
8	596116M	8	BOLT, HH 5/16-18 X 1-1/2 GR5 MAGNI
9	596236M	14	NUT, CENTERLOCK, 5/16-18 MAGNI
10	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
11	596637M	4	BOLT, HH 3/8-16 X 2-3/4 GR5 MAGNI

WETBOOM MOUNTING

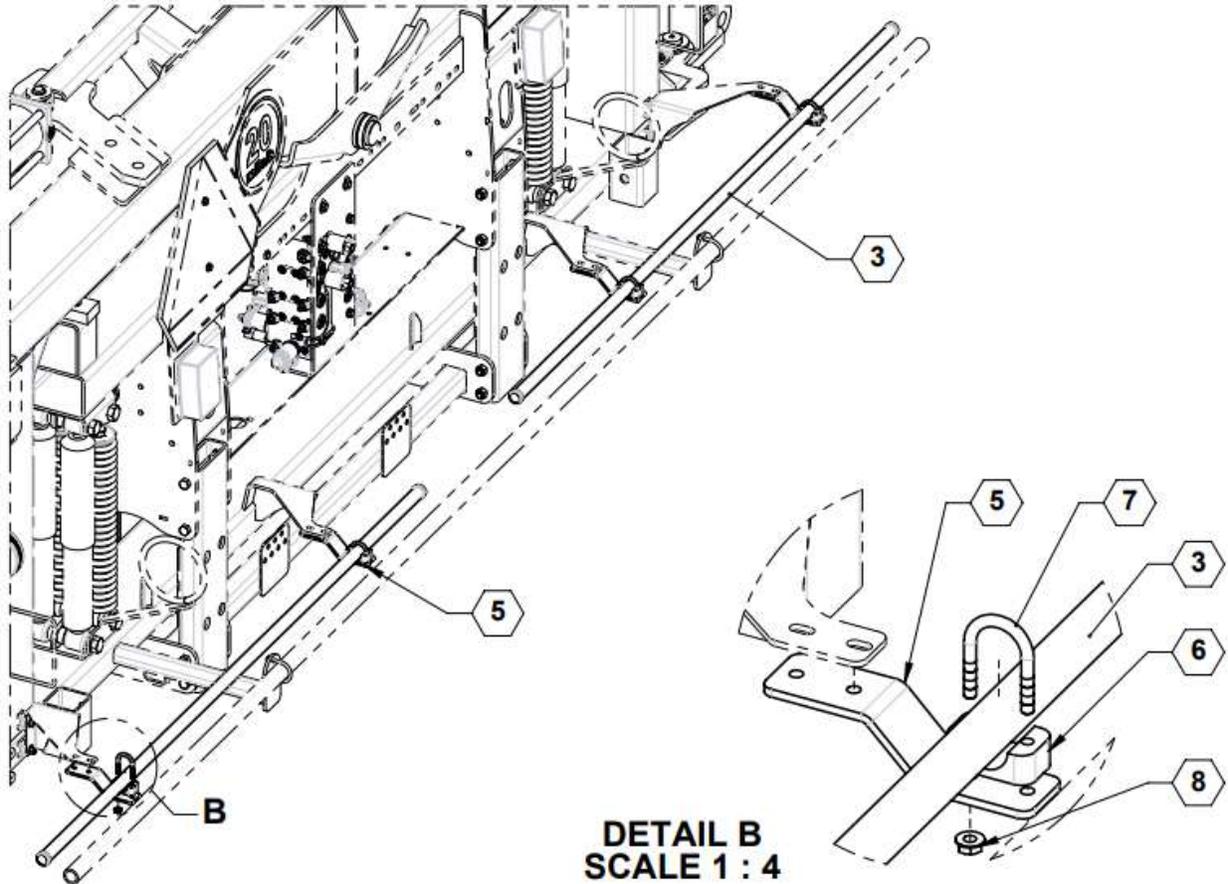
Center Section – Primary Line



Parts List: Center Section – Primary Line

ITEM	PART NO.	QTY.	DESCRIPTION
3	14304	1	TUBE, 4 PORT 15" WB
	14305	1	TUBE, 5 PORT 15" WB
	14314	2	TUBE, 4 PORT 20" WB
	14323	2	WET TUBE, 3 PORT 22"
6	36891L	1	PLATE, WETBOOM BRACKET CS ADD
7	36891R	1	PLATE, WETBOOM BRACKET CS ADD
21	540029	4	CLAMP BODY, 1.00" TUBE, POLY GREEN
22	590048	4	U-BOLT, 1/4 X 1"
24	596213M	4	NUT, HEX 3/8-16 MAGNI
26	596250M	4	LOCKWASHER, 3/8 MAGNI
27	596592M	4	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
28	596767M	8	NUT, HEX FLANGE 1/4-20 MAGNI
29	38361	1	CENTER INTAKE
	38363		CENTER RECOVERY NODE

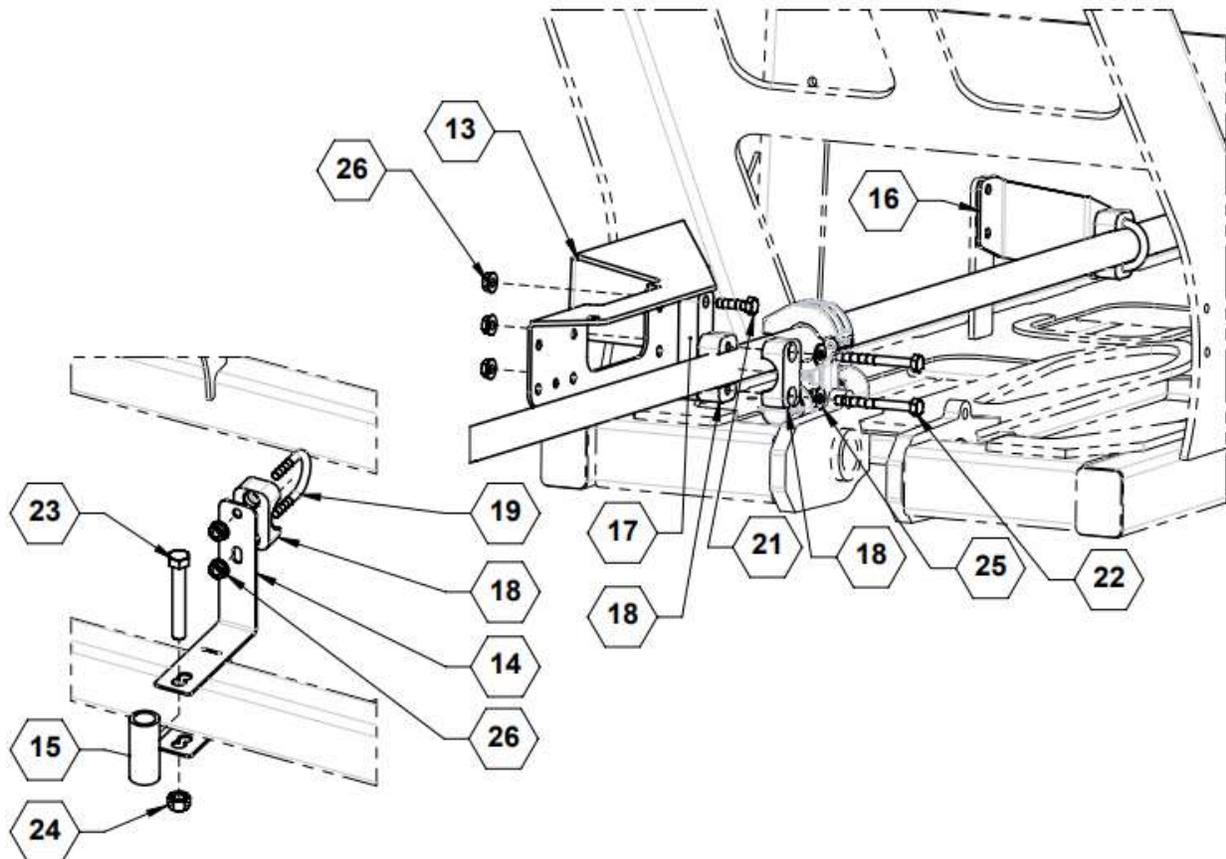
Center Section – Secondary Line



Parts List: Center Section – Secondary Line

ITEM	PART NO.	QTY.	DESCRIPTION
3	14304	1	TUBE, 4 PORT 15" WB
	14305	1	TUBE, 5 PORT 15" WB
	14314	2	TUBE, 4 PORT 20" WB
	14323	2	WET TUBE, 3 PORT 22"
5	37915	4	PLATE, DUAL LINE EXTENSION BAR
6	540029	4	CLAMP BODY, 1.00" TUBE, POLY GREEN
7	590048	4	U-BOLT, 1/4 X 1"
8	596767M	8	NUT, HEX FLANGE 1/4-20 MAGNI

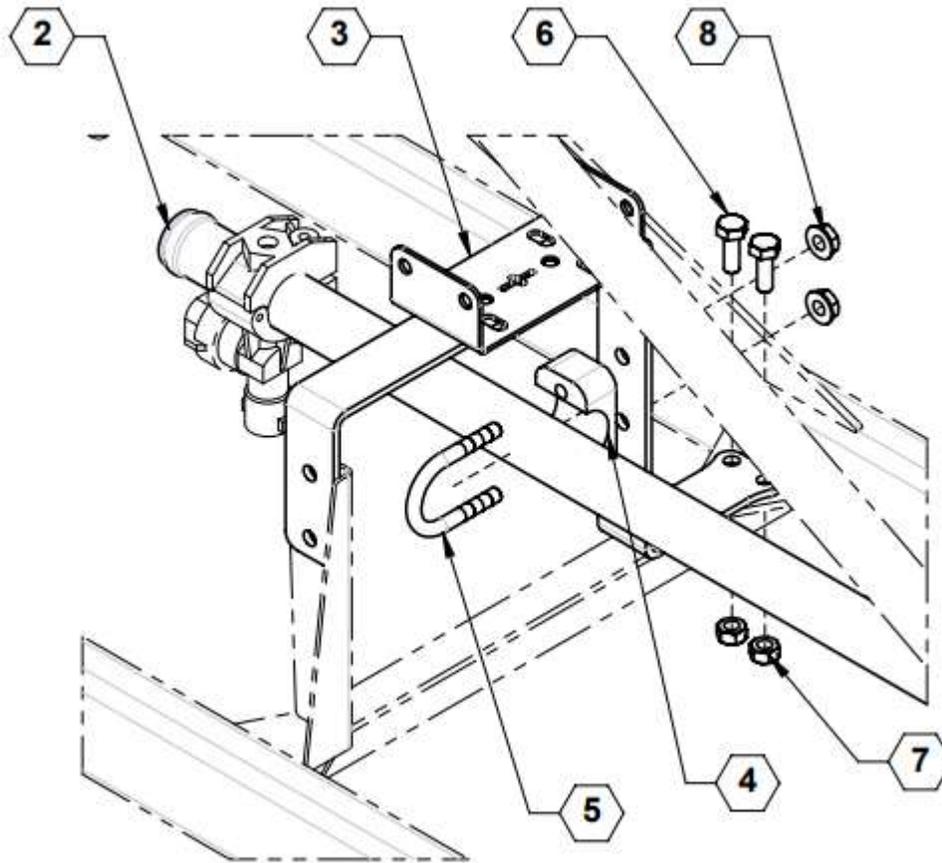
Wing 1 & Wing 2



Parts List: Wing 1 & Wing 2

ITEM	PART NO.	QTY.	DESCRIPTION
13	36792L	1	WELDMENT, INBOARD BRACKET, LEFT
	36792R		WELDMENT, INBOARD BRACKET, RIGHT
14	36815	1	WELDMENT, MULTI-NOZZLE BOLT-ON BRACKET
	37899		WELDMENT, SINGLE NOZZLE BOLT-ON BRACKET
15	36816	1	TUBE, WETBOOM BRACKET CLAMP
16	36819	6	PLATE, WETBOOM OFFSET 1.25x2 BRACKET
17	36821	1	PLATE, INBOARD DROP SPACER
18	540029	9	CLAMP BODY, 1.00" TUBE, POLY GREEN
19	590048	7	U-BOLT, 1/4 X 1"
20	596101M	10	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
21	596102M	1	BOLT, HH 1/4-20 X 1 GR5 MAGNI
22	596105M	2	BOLT, HH 1/4-20X2-1/2 GR5 MAGNI
23	596131M	1	BOLT, HH 3/8-16 X 2-1/2 GR5 MAGNI
24	596237M	1	NUT, CENTERLOCK 3/8-16 MAGNI
25	596256M	2	WASHER, FLAT 1/4 USS MAGNI
26	596767M	27	NUT, HEX FLANGE 1/4-20 MAGNI

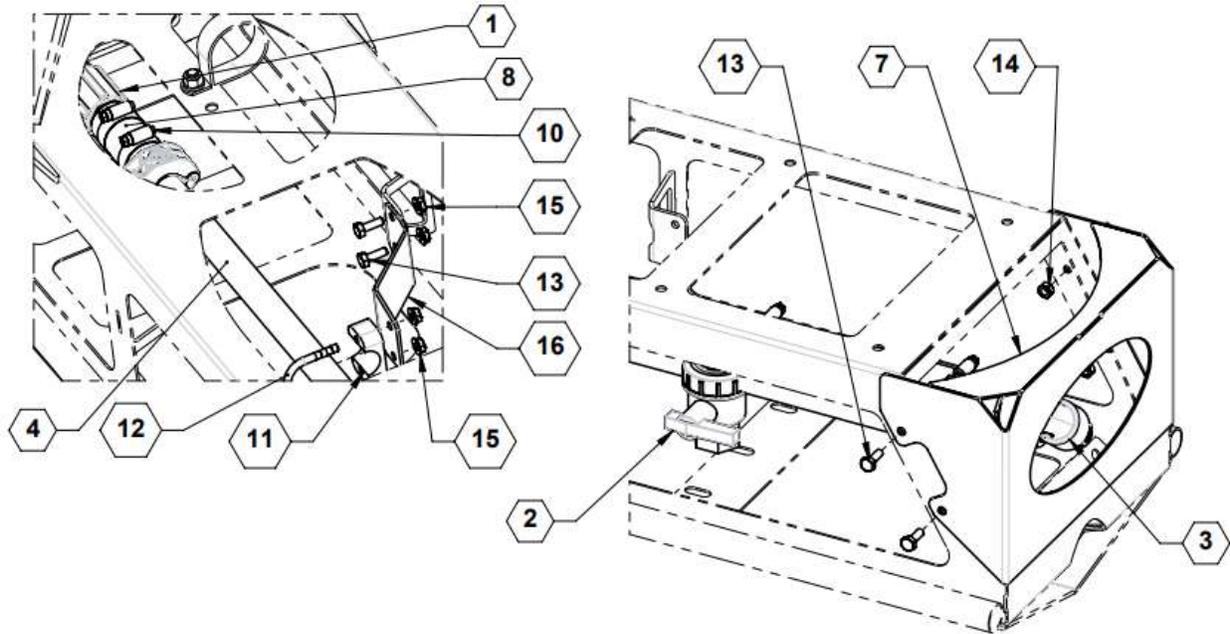
Wing 3



Parts List: Wing 3

ITEM	PART NO.	QTY.	DESCRIPTION
2	14304	1	TUBE, 4 PORT 15" WB
	14313		TUBE, 3 PORT 20" WB
	14326		TUBE, 6 PORT 22" WB
3	37911	2	WELDMENT, 1X LINE BRACKET
4	540029	2	CLAMP BODY, 1.00" TUBE, POLY GREEN
5	590048	2	U-BOLT, 1/4 X 1"
6	596101M	4	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
7	596235M	4	NUT, CENTERLOCK, 1/4-20 MAGNI
8	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI

Wing 4, Breakaway

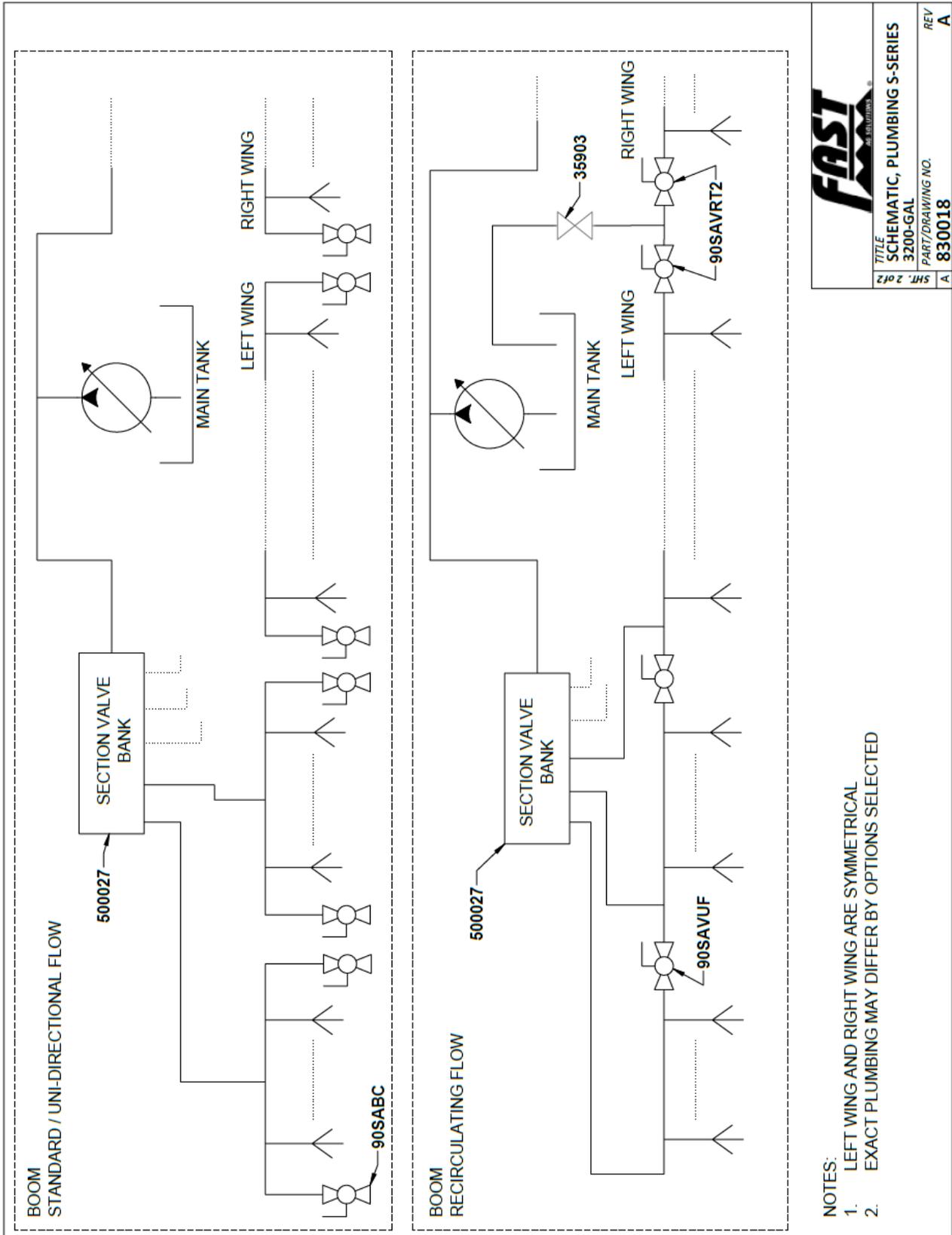


Parts List: Wing 4, Breakaway

ITEM	PART NO.	PRIMARY L1	SECONDARY L2	DESCRIPTION
1	90SA075100HBST	-	1	SUBASSEMBLY, 3/4" TO 1" HOSE BARB STRAIGHT
2	90SABC	-	1	ASSY, BOOM CLEAN OUT
3	90SAU	1	1	SUB ASSY U-FITTING
4	14306	1	1	TUBE, 6 PORT 15" WB
	14314			TUBE, 4 PORT 20" WB
	14324			WET TUBE 4 PORT 22"
7	36490	-	1	WELDMENT, 15IN SHROUD BOX
8	510016	1.8	2.7	(FT) HOSE, 1IN EPDM
9	540013	-	1	HOSE CLAMP, SS .75 #12
10	540014	5	6	HOSE CLAMP, SS 1.00 #16
11	540029	4	3	CLAMP BODY, 1.00" TUBE, POLY GREEN
12	590048	4	3	U-BOLT, 1/4 X 1"
13	596101M	4	10	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
14	596235M	4	4	NUT, CENTERLOCK, 1/4-20 MAGNI
15	596767M	8	12	NUT, HEX FLANGE 1/4-20 MAGNI
16	36819	-	3	PLATE, WETBOOM OFFSET 1.25x2 BRACKET

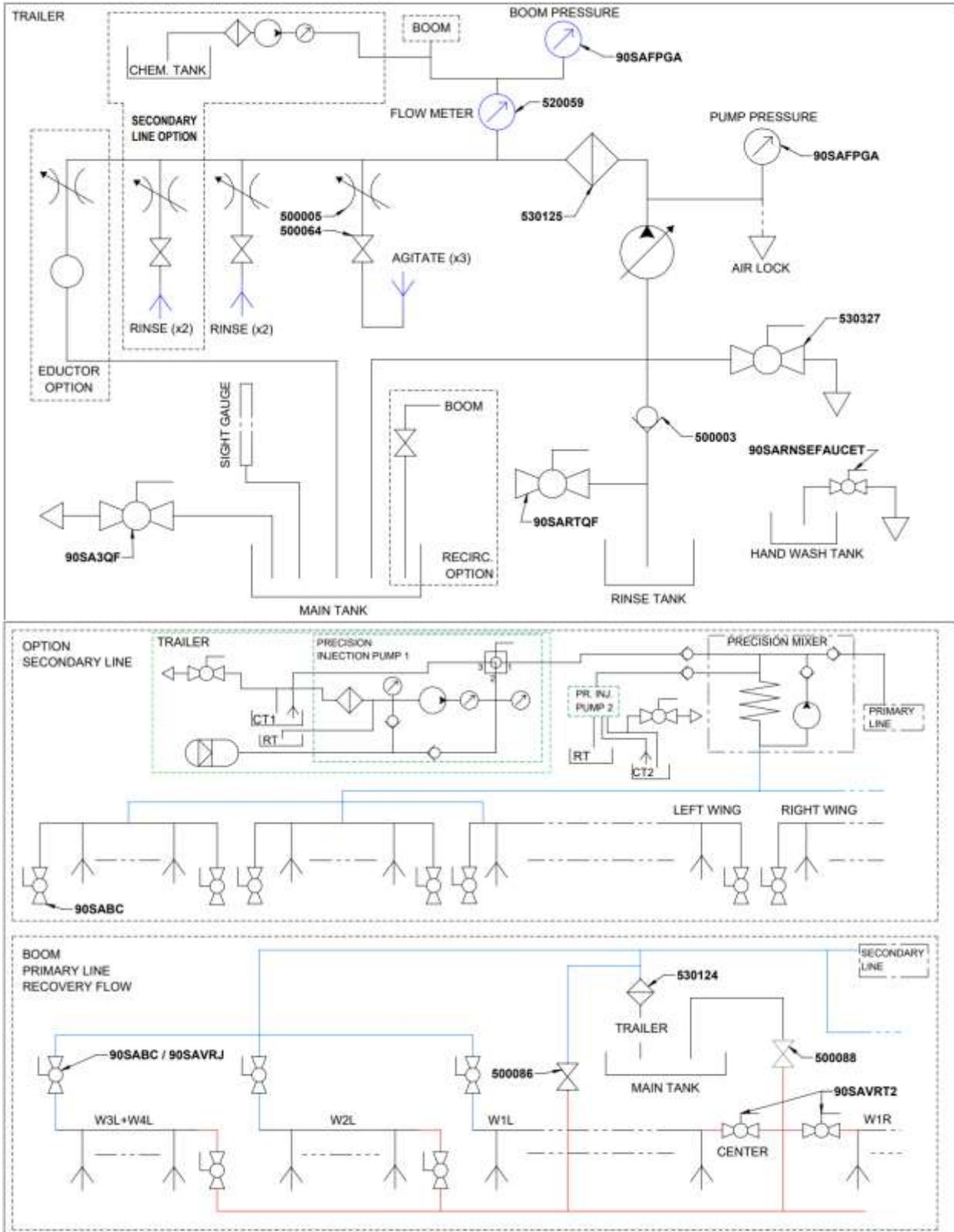
PRODUCT PLUMBING

Plumbing Schematic, Standard (830018)

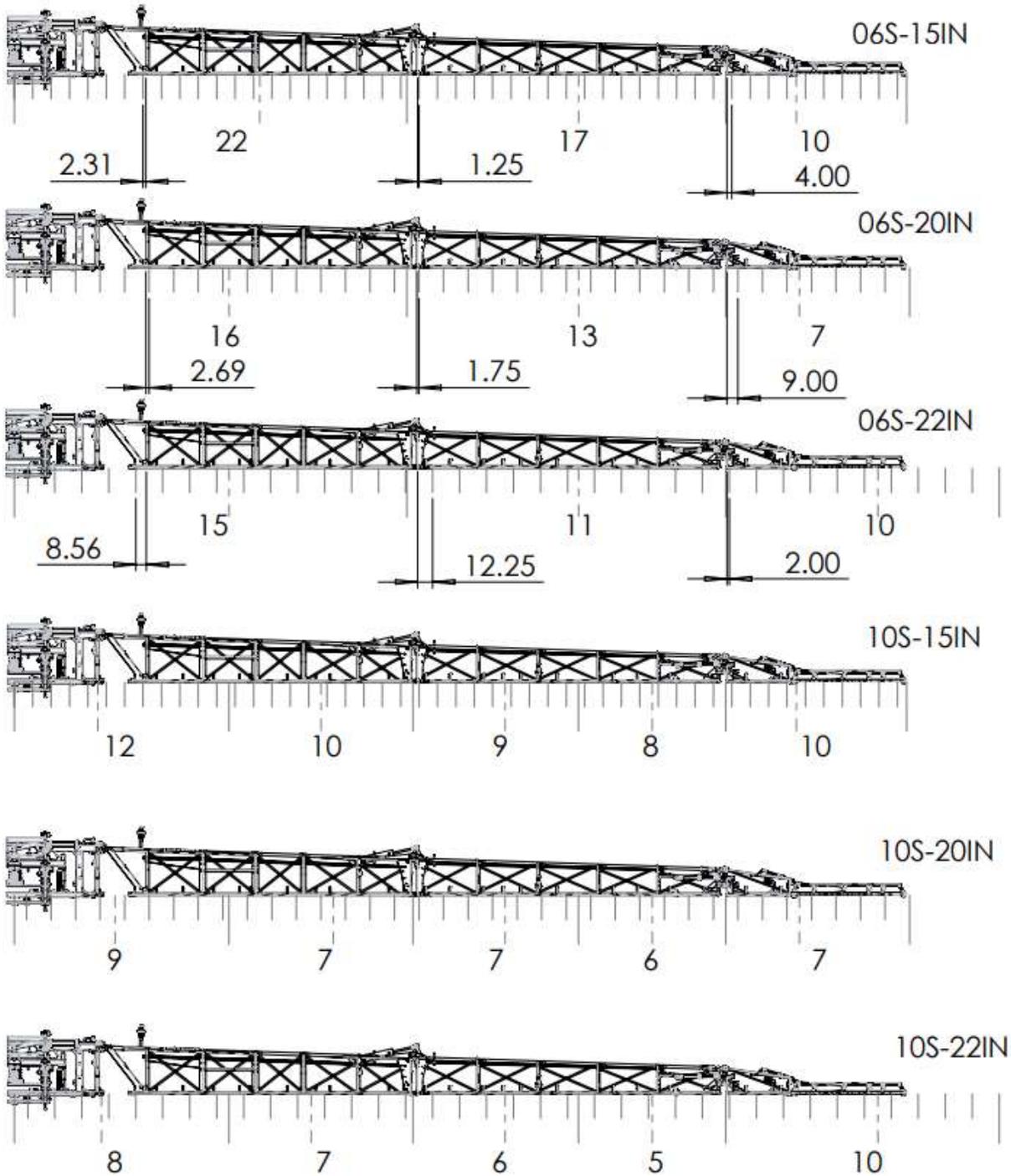


SHT. 2 of 2	TITLE	REV
3200-GAL	SCHEMATIC, PLUMBING S-SERIES	A
PART/DRAWING NO.	830018	

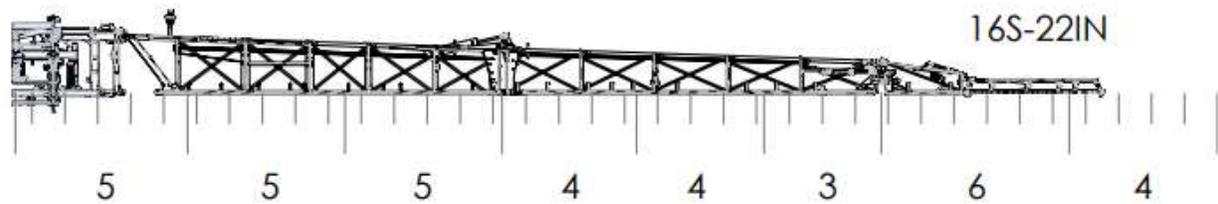
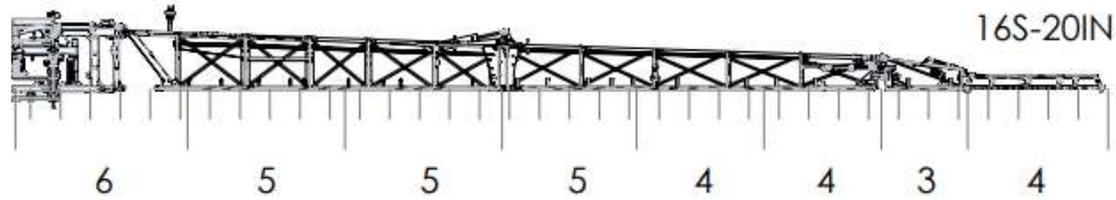
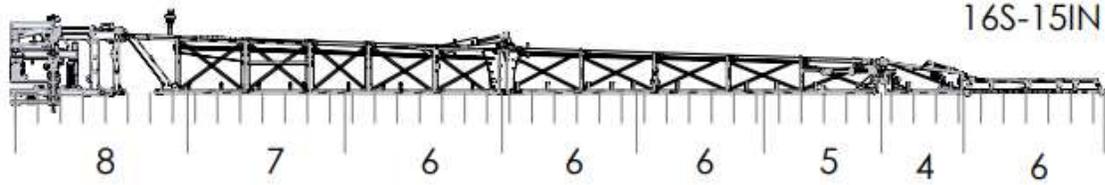
Plumbing Schematic, with Injection Option (830022)



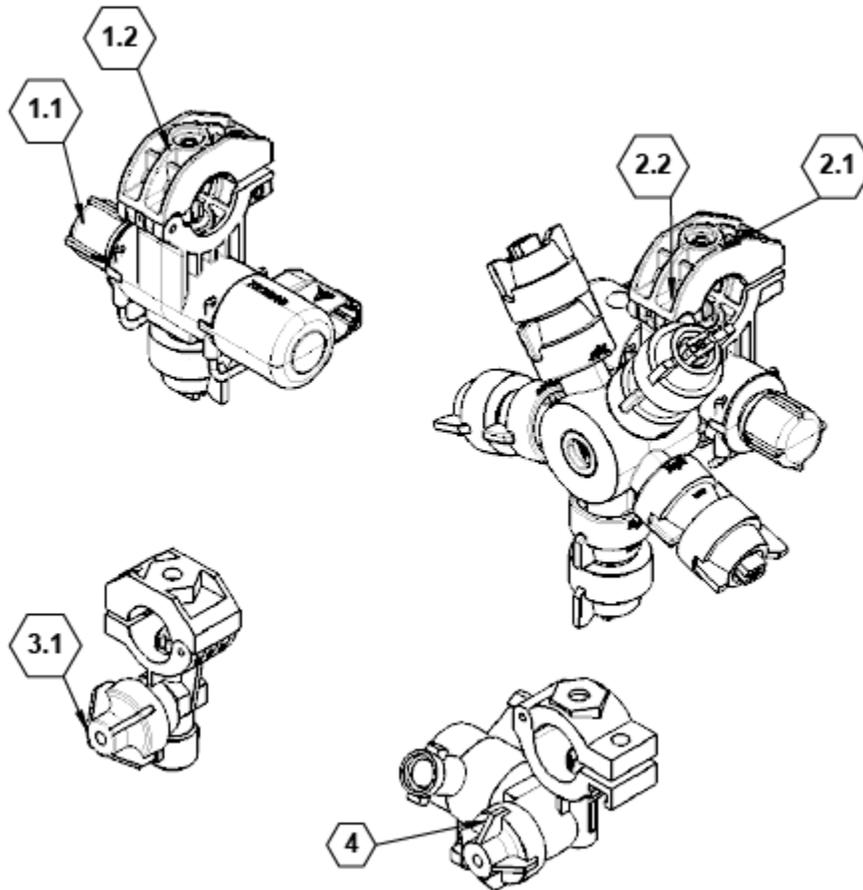
Wetboom Plumbing Guide



Wetboom Plumbing Guide (continued)



Standard Nozzles

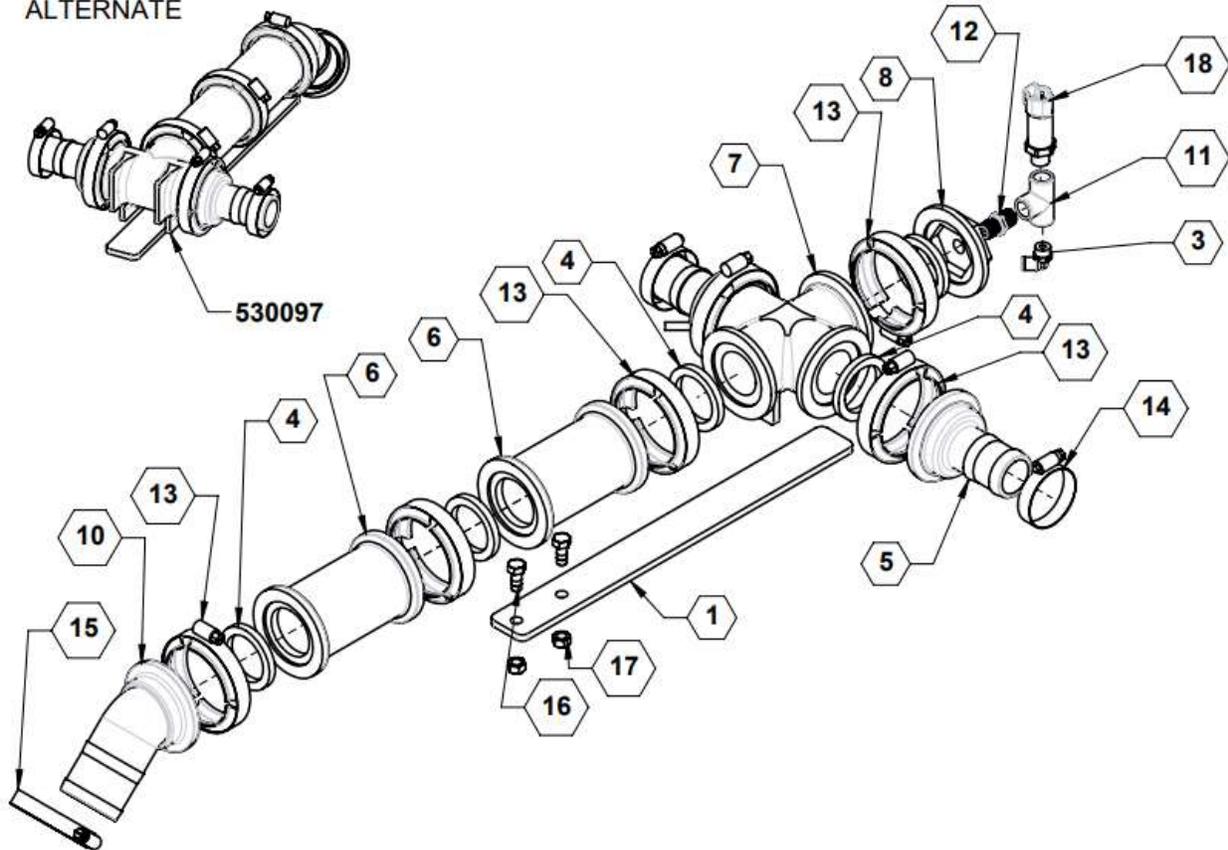


Parts List 36998 / 36999 / 520030 / 520084: Standard Nozzles

ITEM	PART NO.	QTY.	DESCRIPTION
1	36998	1	ASM, PP NOZZLE STANDARD 1
1.1	523497	1	NOZZLE BODY, 3/4 PRECISION PLANTING STANDARD 1-TURRET
1.2	523385	1	SHIM, NOZZLE BODY 3/4 TO 1.0 OD, PRECISION
2	36999	1	ASM, PP NOZZLE STANDARD 5
2.1	523495	1	NOZZLE BODY, PRECISION PLANTING STANDARD 5-TURRET
2.2	523385	1	SHIM, NOZZLE BODY 3/4 TO 1.0 OD, PRECISION
3	520030	1	NOZZLE, 25MM SINGLE, WET BOOM
3.1	530338	1	END CAP ASSY 2 PSI
4	520084	1	NOZZLE BODY, TRIPLE 25mm

Center Intake, Standard

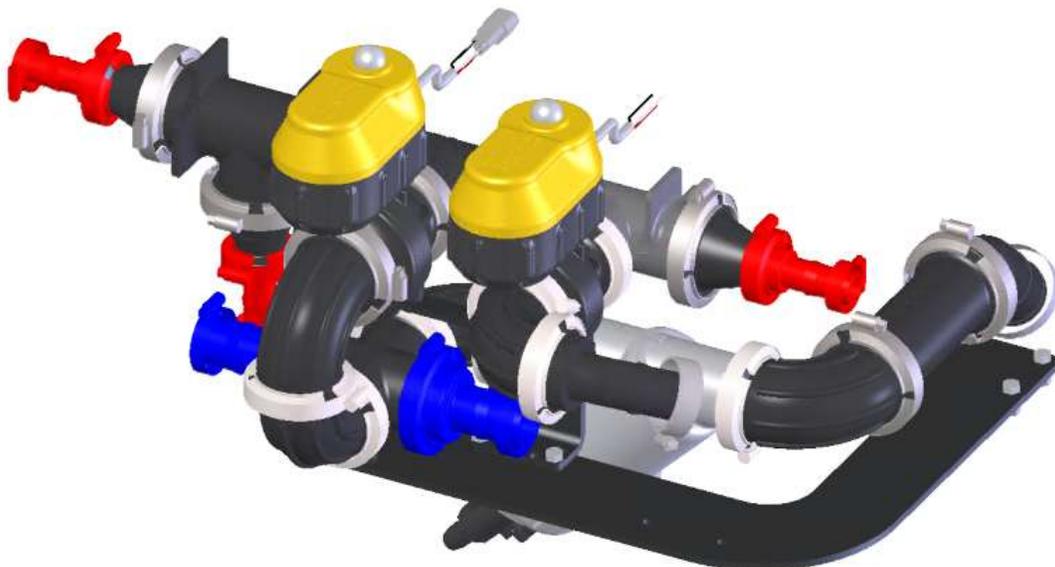
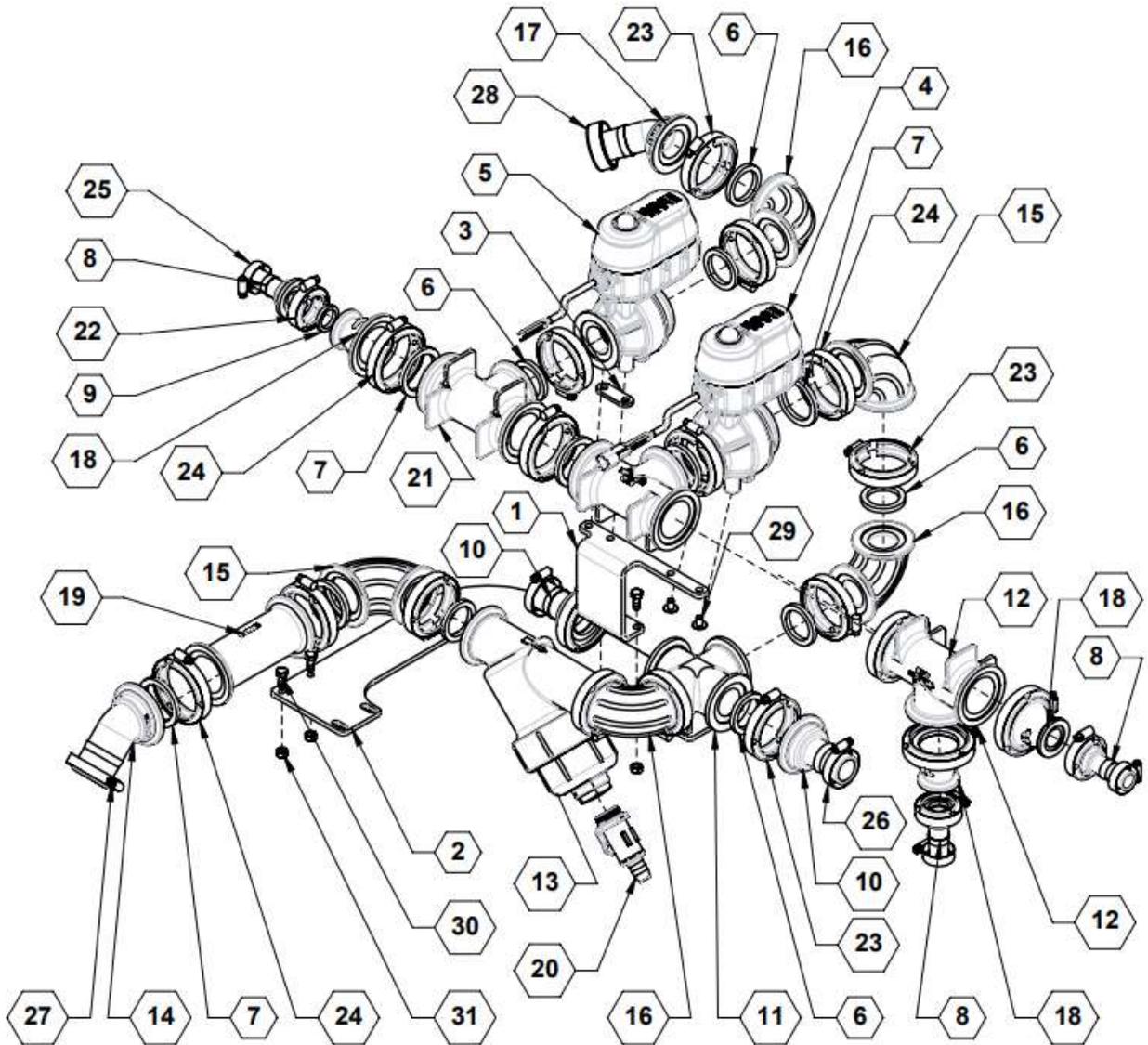
ALTERNATE



Parts List 38361: Center Intake, Standard

ITEM	PART NO.	QTY.	DESCRIPTION
1	16682	1	MOUNT, PLUMBING FITTING
2	510023	30	(FT) TUBING, 0.25IN POLY
3	530004	1	FITTING, ELBOW, .250 QC X .250 MPT, 90D
4	530014	6	GASKET, 1.500 EPDM
5	530079	2	MANIFOLD FLANGE, 2" X 1-1/2" HB
6	530084	2	FLANGE, STD PORT 2" X 2"
7	530090	1	CROSS, MANIFOLD 2.00
8	530094	1	PLUG, MANIFOLD 2.00 W/ HOLE
10	530346	1	MANIFOLD HB 2 X 45 DEG
11	530400	1	TEE 1/4" FPT, POLY
12	530401	1	NIPPLE, 1/4 MPT x 1/4 MPT, POLY
13	540001	6	CLAMP, 2.00 STD WORM SCREW
14	540016	2	CLAMP, SS 1.500 #24
15	540018	1	CLAMP, 2-3/4" SS
16	596114M	2	BOLT, HH 5/16-18X3/4 GR5 MAGNI
17	596236M	2	NUT, CENTERLOCK, 5/16-18 MAGNI
18	632036	1	TRANSDUCER, PRESSURE

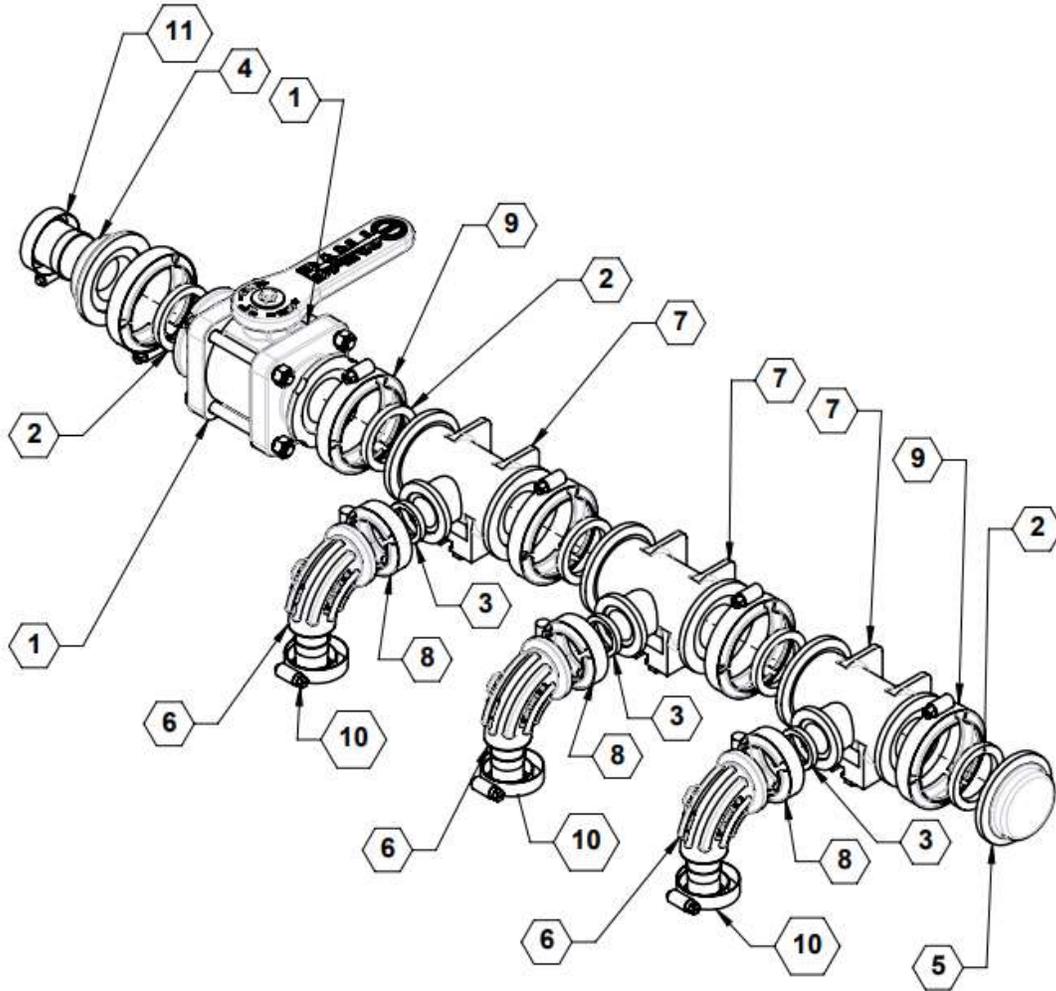
Center Intake, Recovery Flow



Parts List 38363: Center Intake, Recovery Flow

ITEM	PART NO.	QTY.	DESCRIPTION
1	38338	1	PLATE, VALVE STANDOFF
2	38362	1	PLATE, CENTRAL FILTER SHELF
3	38599	1	PLATE, FEEDBACK VALVE SPACER
4	500086	1	VALVE, SHUTOFF, EVX220, RECIRC
5	500088	1	VALVE, SHUTOFF, EVX200F3, RECOVERY
6	530014	10	GASKET, 1.500 EPDM
7	530019	9	GASKET, 2.00 EPDM
8	530066	3	FITTING, 1.00 MANIFOLD X 1.00 HB
9	530068	3	GASKET, 1.00 EPDM
10	530079	2	MANIFOLD FLANGE, 2" X 1-1/2" HB
11	530090	1	CROSS, MANIFOLD 2.00
12	530110	2	MANIFOLD TEE, 2"
13	530124	1	Y STRAINER, 2" MANIFOLD, 50 Mesh
14	530354	1	ELBOW 45, 2.00 MANIFOLD X 2.00 HB
15	530388	2	MANIFOLD SWEEP, 2" FP X 2" STD
16	530393	3	MANIFOLD SWEEP, 2" STD X 2" STD 90°
17	530423	1	2" MANIFOLD X 1-1/2" HOSE BARB X 45
18	530447	3	MANIFOLD, 2 IN FP X 1 IN COUPLING
19	530454	1	2" X 2" LONG PORT MANIFOLD
20	530517	1	MICRO VALVE, 3/4" HB X 1" MPT
21	530564	1	FITTING, TEE M220X220X200
22	540000	3	CLAMP, WORM SCREW, 1.00
23	540001	10	CLAMP, 2.00 STD WORM SCREW
24	540002	9	CLAMP, FP WORM SCREW, 2.00
25	540014	3	HOSE CLAMP, SS 1.00 #16
26	540016	2	CLAMP, SS 1.500 #24
27	540018	1	CLAMP, 2-3/4" SS
28	540079	1	CLAMP, HOSE, PRESSURE SEAL HD, 1.62-2.12"
29	590361	4	BHCS M8 X 1.25 X 12MM
30	596114M	4	BOLT, HH 5/16-18X3/4 GR5 MAGNI
31	596236M	4	NUT, CENTERLOCK, 5/16-18 MAGNI

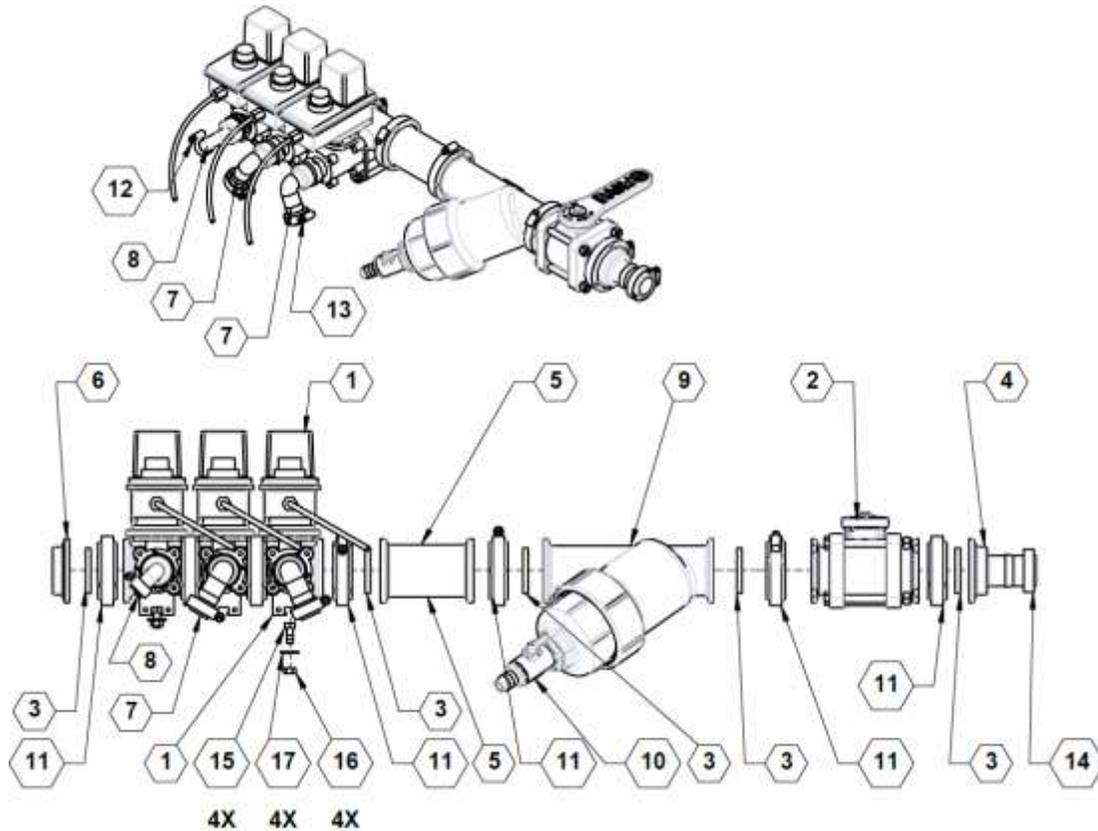
Boom Section Distribution - Continuous



Parts List 38355: Boom Section Distribution - Continuous

ITEM	PART NO.	QTY.	DESCRIPTION
1	500039	1	VALVE, MANIFOLD, 2.00 STD. PORT, 4 BOLT, POLY
2	530014	5	GASKET, 1.500 EPDM
3	530068	3	GASKET, 1.00 EPDM
4	530079	1	MANIFOLD FLANGE, 2" X 1-1/2" HB
5	530093	1	PLUG, MANIFOLD, 2.00
6	530445	3	FLANGE SWEEP X 1 IN HB
7	530538	3	FITTING, MANIFOLD 2" X 1" TEE, W/ BRACKET
8	540000	3	CLAMP, WORM SCREW, 1.00
9	540001	5	CLAMP, 2.00 STD WORM SCREW
10	540014	3	HOSE CLAMP, SS 1.00 #16
11	540016	1	CLAMP, SS 1.500 #24
12	596114M	3	BOLT, HH 5/16-18X3/4 GR5 MAGNI
13	596768M	3	NUT, HEX FLANGE 5/16-18 MAGNI

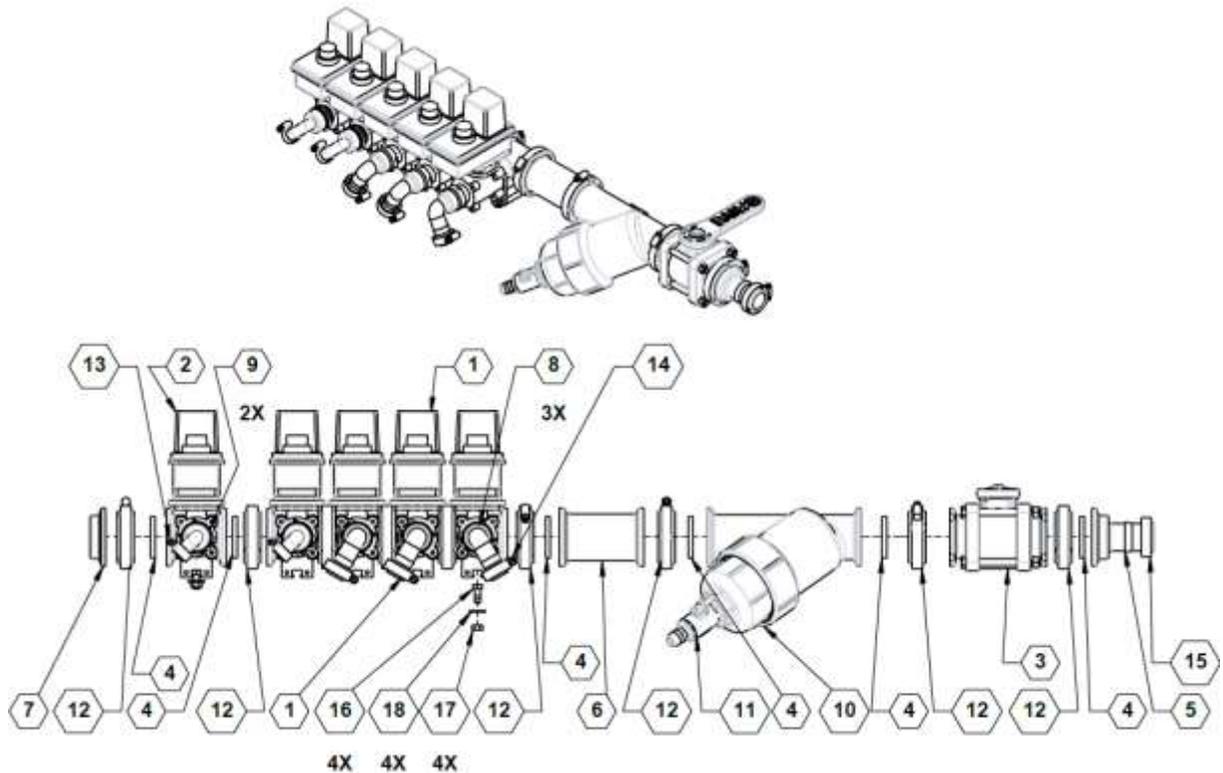
Boom Section Distribution – 06 Section



Parts List 36327 / 36328: Boom Section Distribution – 06 Section

ITEM	PART NO.	QTY.	DESCRIPTION
1	500027	0.75	VALVE, 450 4-BANK, NON-FLOWBACK, NARROW TEE
2	500039	1	VALVE, MANIFOLD, 2.00 STD. PORT, 4 BOLT, POLY
3	530014	5	GASKET, 1.500 EPDM
4	530079	1	MANIFOLD FLANGE, 2" X 1-1/2" HB
5	530084	1	FLANGE, STD PORT 2" X 2"
6	530093	1	PLUG, MANIFOLD, 2.00
7	530190	2	QUICK CONNECT, 1.00 HB ELBOW 90
8	530358	1	(UNI-DIR) QUICK CONNECT, 3/4" HB, 90°
	530190		(RECIRC) QUICK CONNECT, 1.00 HB ELBOW 90
9	530473	1	Y STRAINER, 2" MANIFOLD, 80 MESH
10	530517	1	MICRO VALVE, 3/4" HB X 1" MPT
11	540001	5	CLAMP, 2.00 STD WORM SCREW
12	540013	1	HOSE CLAMP, SS .75 #12
13	540014	2	HOSE CLAMP, SS 1.00 #16
14	540016	1	CLAMP, SS 1.500 #24
15	596114M	4	BOLT, HH 5/16-18X3/4 GR5 MAGNI
16	596236M	4	NUT, CENTERLOCK, 5/16-18 MAGNI
17	596257M	4	WASHER, FLAT 5/16 USS MAGNI

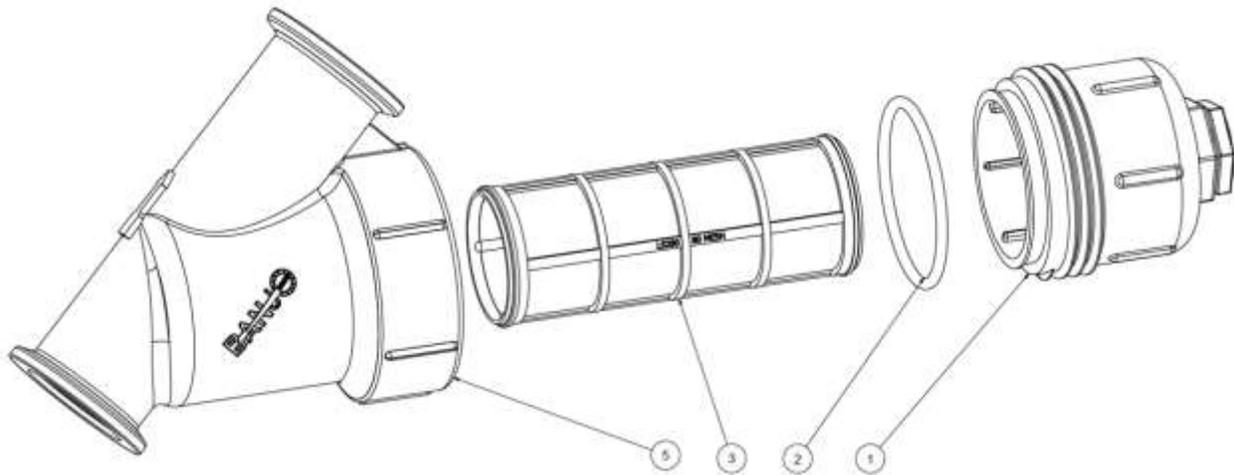
Boom Section Distribution – 10 Section



Parts List 36204 / 36205: Boom Section Distribution – 10 Section

ITEM	PART NO.	QTY.	DESCRIPTION
1	500027	1	VALVE, 450 4-BANK, NON-FLOWBACK, NARROW TEE
2	500027	0.25	VALVE, 450 4-BANK, NON-FLOWBACK, NARROW TEE
3	500039	1	VALVE, MANIFOLD, 2.00 STD. PORT, 4 BOLT, POLY
4	530014	6	GASKET, 1.500 EPDM
5	530079	1	MANIFOLD FLANGE, 2" X 1-1/2" HB
6	530084	1	FLANGE, STD PORT 2" X 2"
7	530093	1	PLUG, MANIFOLD, 2.00
8	530190	3	QUICK CONNECT, 1.00 HB ELBOW 90
9	530358	2	(UNI-DIR) QUICK CONNECT, 3/4" HB, 90°
	530190		(RECIRC) QUICK CONNECT, 1.00 HB ELBOW 90
10	530473	1	Y STRAINER, 2" MANIFOLD, 80 MESH
11	530517	1	MICRO VALVE, 3/4" HB X 1" MPT
12	540001	6	CLAMP, 2.00 STD WORM SCREW
13	540013	2	HOSE CLAMP, SS .75 #12
14	540014	3	HOSE CLAMP, SS 1.00 #16
15	540016	1	CLAMP, SS 1.500 #24
16	596114M	4	BOLT, HH 5/16-18X3/4 GR5 MAGNI
17	596236M	4	NUT, CENTERLOCK, 5/16-18 MAGNI
18	596257M	4	WASHER, FLAT 5/16 USS MAGNI

Filter / Strainer at Boom



Parts List 530473: Filter / Strainer at Boom

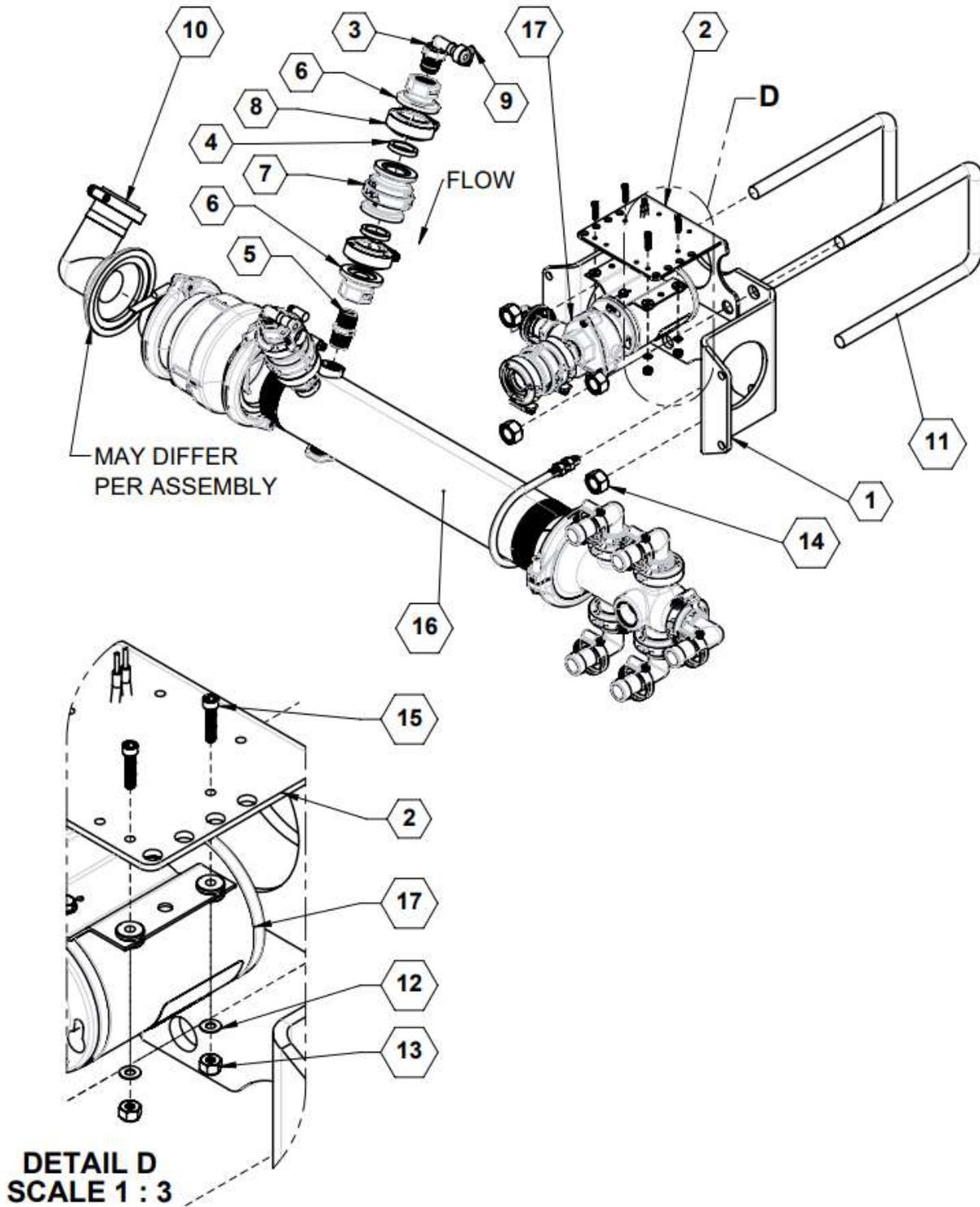
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LS150-C	LS CAP ASSY
2	1	LS150-G	#339 O-RING
3	1	LS280	2" LS SCREEN - 80 MESH
4	1	LST225D	DECAL (N/S)
5	1	MLS200B	2" LINE STRAINER BODY

Parts List 530124: Filter / Strainer at Boom

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LS150-C	LS CAP ASSY
2	1	LS150-G	#339 O-RING
3	1	LS250	2" LS SCREEN - 50 MESH
4	1	LST225D	DECAL (N/S)
5	1	MLS200B	2" LINE STRAINER BODY

See <https://www.banjocorp.com/banjo/Manifold-Flange-Connections/MLS200-80/p/2821208> and <https://www.banjocorp.com/banjo/Manifold-Flange-Connections/MLS200-50/p/2821187>

Secondary Line Injection Mixer

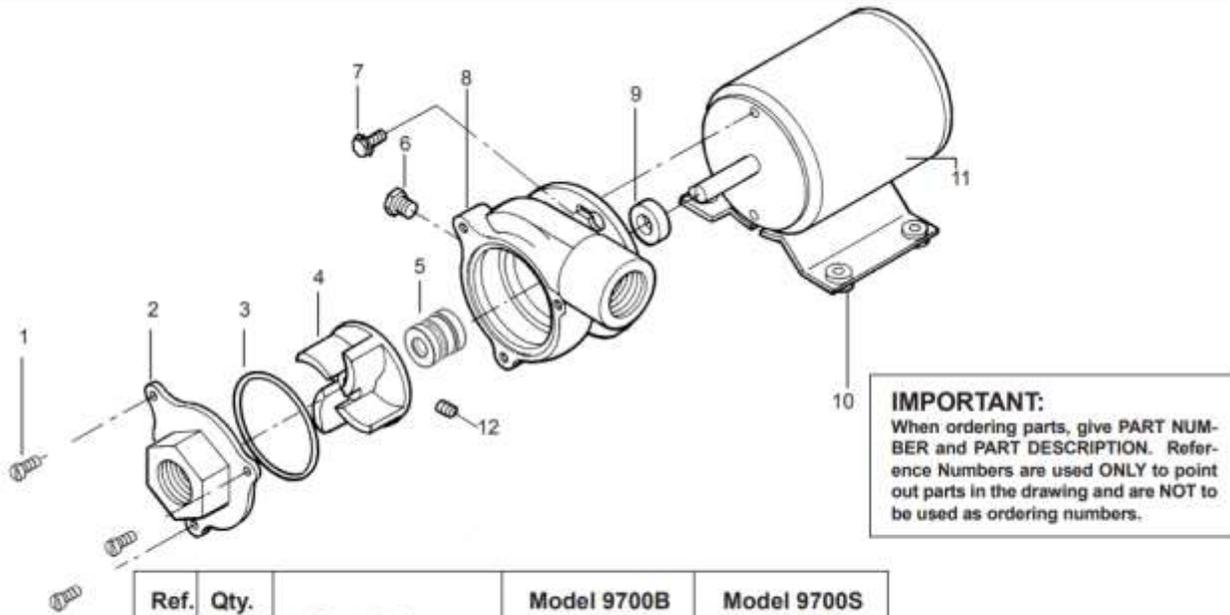


Parts List 37773: Secondary Line Injection Mixer

ITEM	PART NO.	QTY.	DESCRIPTION
1	38269	1	PLATE, MIXER MOUNT
2	38277	1	PLATE, MARINE PUMP MOUNT
3	530059	2	ELBOW 90, .50 MPT X .50 HB, POLY
4	530068	4	GASKET, 1.00 EPDM
5	530264	2	FITTING, NIPPLE 1/2 X 1/2 MPT
6	530265	4	1" FLANGE x 1/2" FPT
7	530444	2	VALVE 1IN MANIFOLD CHECK ASSY
8	540000	4	CLAMP, WORM SCREW, 1.00
9	540012	2	HOSE CLAMP, SS 1/2" #12
10	540018	1	CLAMP, 2-3/4" SS
11	590177	2	U-BOLT, 5 X 7 X 5/8, MAGNI
12	590435	4	WASHER, #8 SS
13	590436	4	NUT, NYLOCK, 8-32 SS
14	596216M	4	NUT, HEX 5/8-11 MAGNI
15	596836M	4	BOLT, 8-32 X 3/4" SOCKET HEAD
16	723671	1	ASSEMBLY, INJECTION MIXER
17	723692	1	ASSY, RECIRCULATION PUMP

Pump Breakdown – Injection Mixer

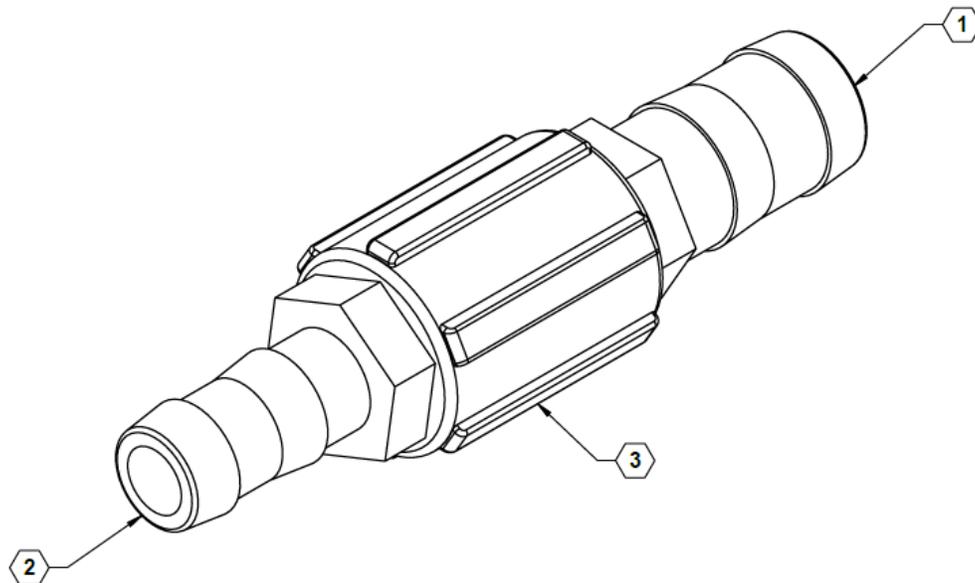
Parts List 723692



IMPORTANT:
When ordering parts, give PART NUMBER and PART DESCRIPTION. Reference Numbers are used ONLY to point out parts in the drawing and are NOT to be used as ordering numbers.

Ref. No.	Qty. Req'd.	Description	Model 9700B Part Number	Model 9700S Part Number
1	3	Cover Screw	2210-0124	2210-0124
2	1	Cover	19893	23660
3	1	O-ring, Viton*	19898	19898
4	1	Impeller	19892	23659
5	1	Mechanical Seal Assy.**	N/A	23665S
6	1	Pipe Plug	00336	21059
7	2	Hex Head Screw	2210-0123	2210-0123
8	1	Housing	19891	23627
9	1	Lip Seal, Viton*	19928	A/N
10	4	Grommet	21138	21138
11	1	Motor 12VDC (TENV)	23697S	23697S
12	1	Set Screw	19929	19929

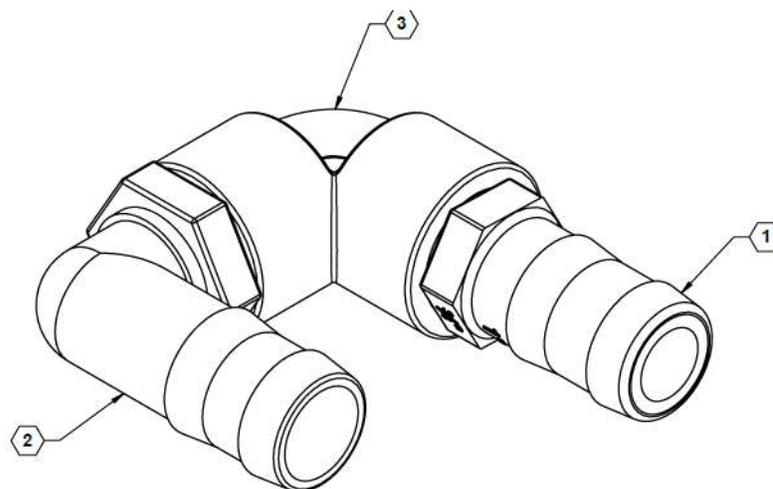
Hose Barb Reducer, 1" to 3/4" ID



Parts List 90SA075100HBST: Hose Barb Reducer, 1" to 3/4" ID

ITEM	PART NO.	QTY.	DESCRIPTION
1	530203	1	FITTING, .750 MNPT X 1.00 HB, POLY
2	530230	1	FITTING, .75 MPT X .75 HB
3	530235	1	COUPLER, 3/4" POLY PIPE

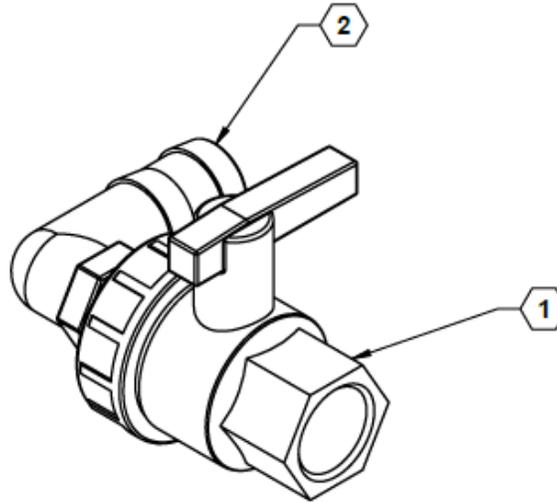
Hose Barb U-Fitting



Parts List 90SAU / 90SAU075: Hose Barb U-Fitting

ITEM	PART NO.	QTY.	DESCRIPTION
1	530203	1	FITTING, 3/4" MPT X 1" HOSE BARB
	530230		FITTING, 3/4" MPT X 3/4" HOSE BARB
2	530238	1	ELBOW, 3/4" NPT X 1" HB, POLY
3	530239	1	3/4" POLY PIPE ELBOW 90 DEG

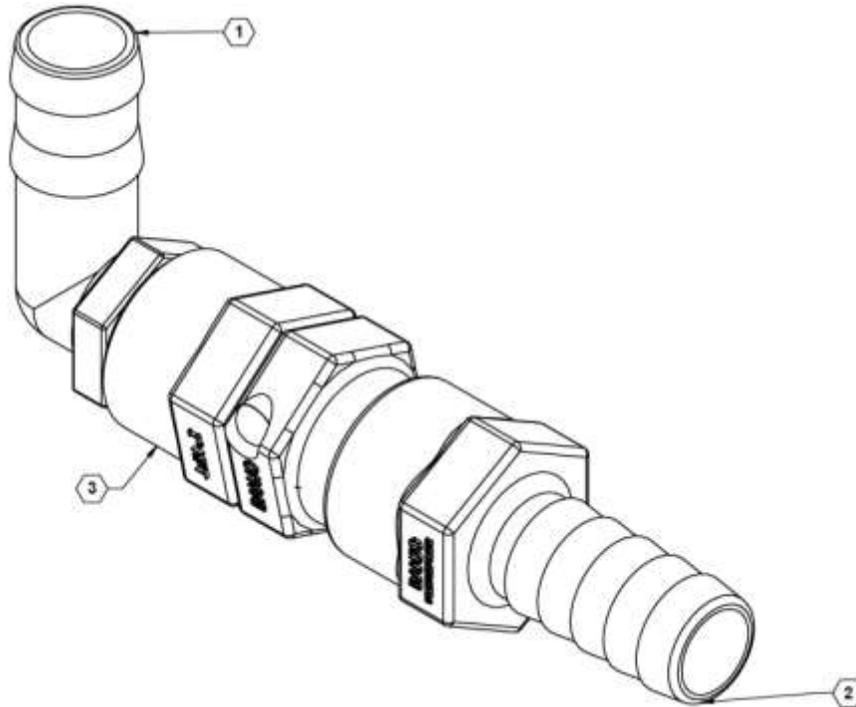
Boom Clean Out



Parts List 90SABC: Boom Clean Out

ITEM	PART NO.	QTY.	DESCRIPTION
1	500043	1	VALVE, 3/4" UNION
2	530036	1	ELBOW, .75 MPT X 90°

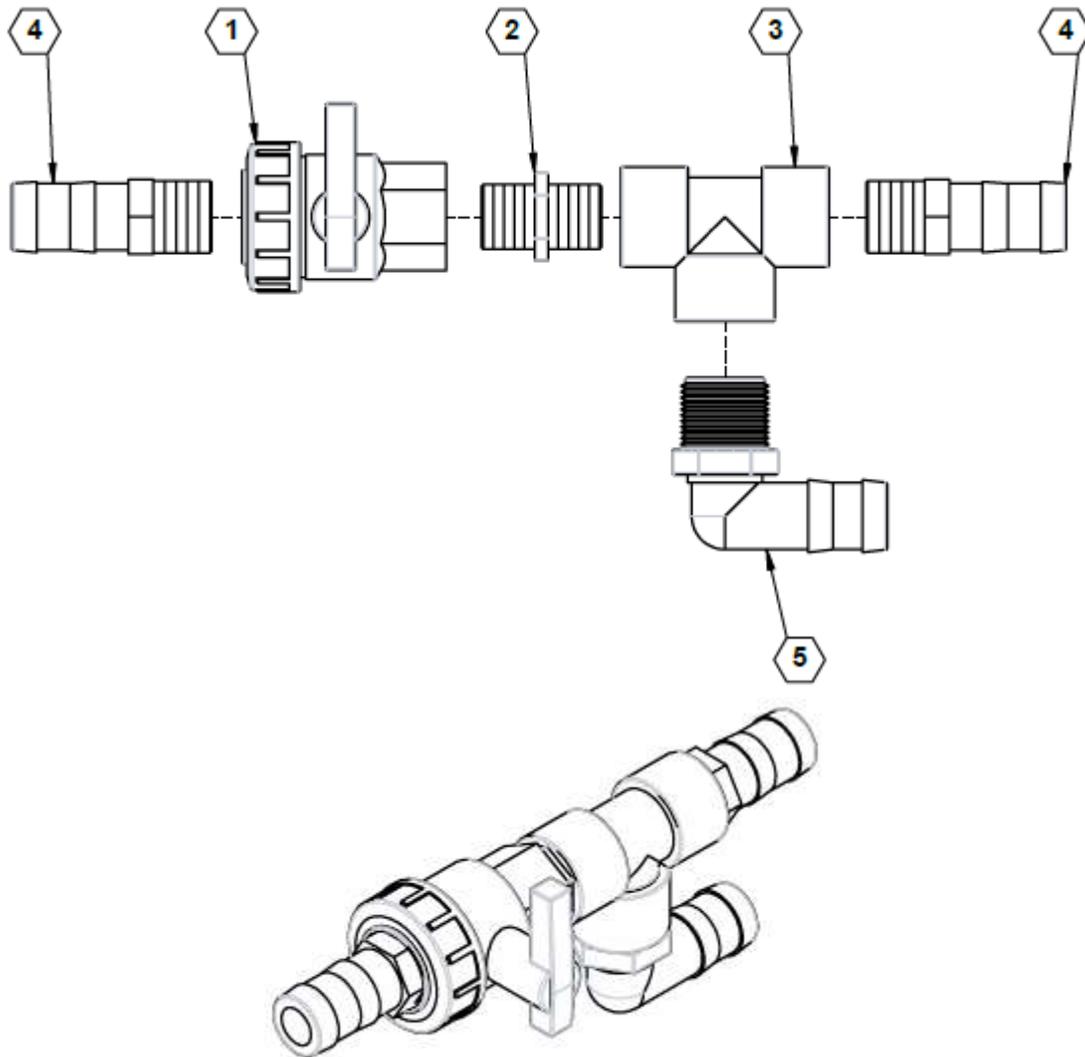
Side Fold Fitting for 60' Extension



Parts List 90SA6080SF: Side Fold Fitting for 60' Extension

ITEM	PART NO.	QTY.	DESCRIPTION
1	530044	1	FITTING, ELBOW, 90D, 1.00 MNPT X 1.00 HB, POLY
2	530325	1	FITTING, 1.00 FNPT X 1.00 HB, POLY
3	530326	1	SWIVEL MPT 1 X 1 FEM THRD

Valved Tee

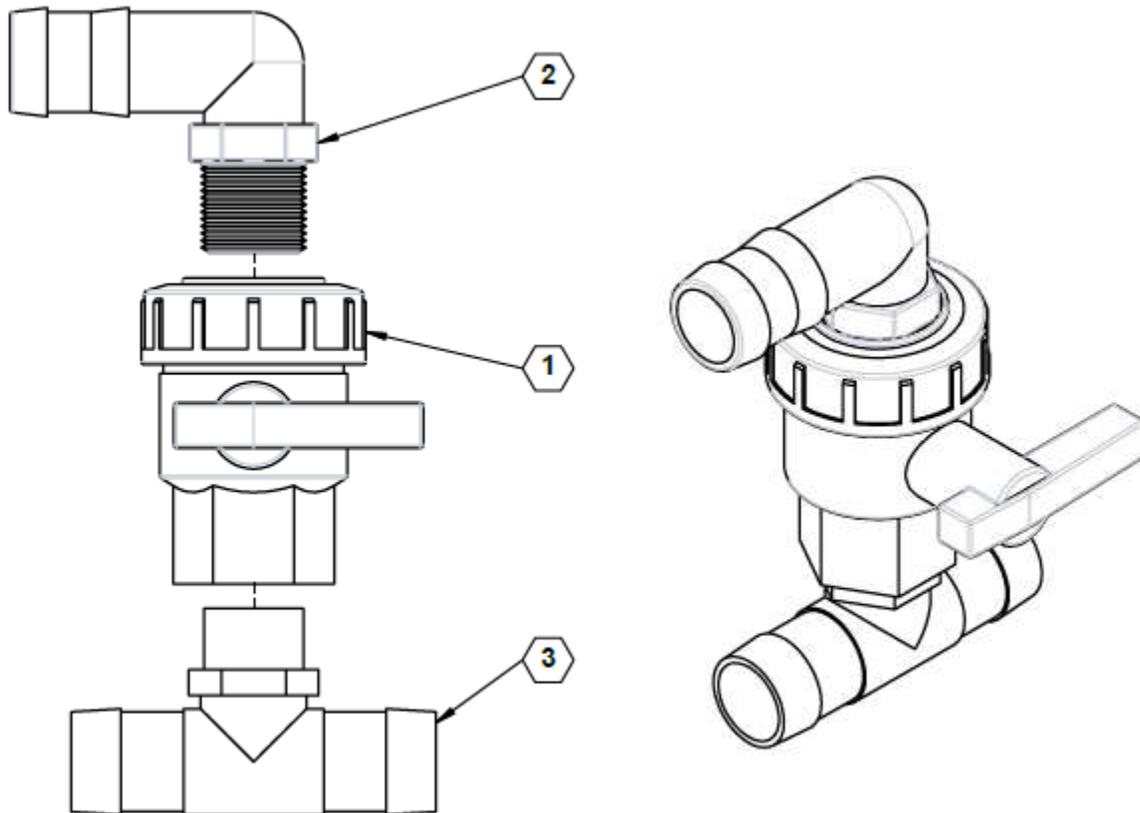


Parts List 90SAVUF: Valved Tee

ITEM	PART NO.	QTY.	DESCRIPTION
1	500043	1	VALVE, 3/4" UNION
2	530131	1	NIPPLE, POLY PIPE 3/4" SHORT
3	530156	1	TEE, 3/4" POLY PIPE
4	530203	2	FITTING, .750 MNPT X 1.00 HB, POLY
5	530238	1	1" 90° ELBOW

Note: Multiple orientations of this part exist.

Recirculation Tee, One Valve

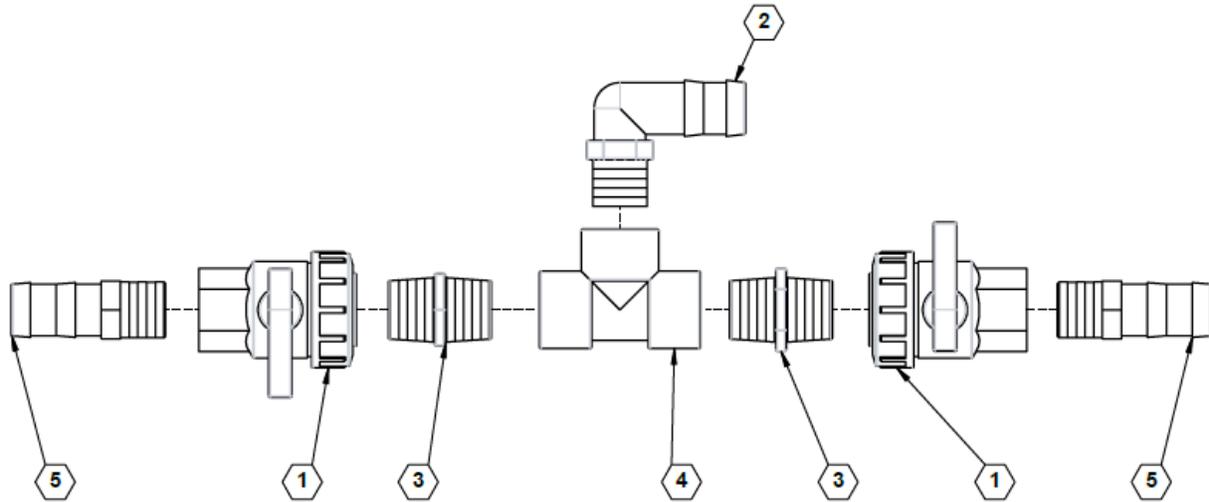


Parts List 90SAVRJ: Recirculation Tee, One Valve

ITEM	PART NO.	QTY.	DESCRIPTION
1	500043	1	VALVE, 3/4" UNION
2	530036	1	ELBOW, .75 MPT X 1.00 HB, 90~
3	530181	1	TEE, .75 MPT X 1.00 HB X 1.00 HB

Note: Multiple orientations of this part exist.

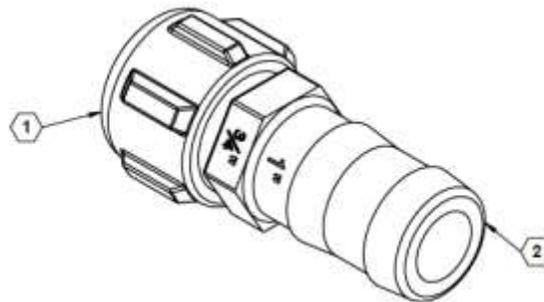
Recirculation Tee, Two Valve



Parts List 90SAVRT2: Recirculation Tee, Two Valve

ITEM	PART NO.	QTY.	DESCRIPTION
1	500043	2	VALVE, 3/4" UNION
2	530036	1	ELBOW, .75 MPT X 1.00 HB, 90~
3	530131	2	NIPPLE, SHORT POLY X 3/4 IN
4	530156	1	TEE, 3/4" POLY PIPE
5	530203	2	FITTING, .750 MNPT X 1.00 HB, POLY

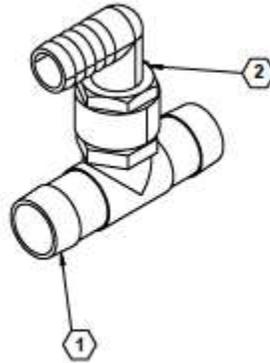
End of Hose Plug



Parts List 90SAPLUG: End of Hose Plug

ITEM	PART NO.	QTY.	DESCRIPTION
1	530245	1	CAP, .750 FGT, BLACK POLY
2	530275	1	FITTING, 3/4" STRAIGHT THREAD X 1" HB
3	530227	1	WASHER, 1.00 OD X .750 ID, BLACK VINYL

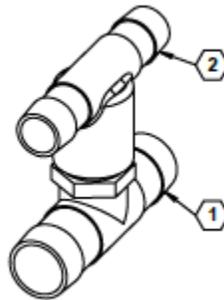
Hose Barb Tee, 1" to 3/4"



Parts List 90SAFTG100T07590: Hose Barb Tee, 1" to 3/4"

ITEM	PART NO.	QTY.	DESCRIPTION
1	530181	1	TEE, .75 MPT X 1.00 HB X 1.00 HB
2	530213	1	HOSE BARB ELBOW, 3/4" FPT X 3/4" BARB

Hose Barb H, 1" to 3/4"



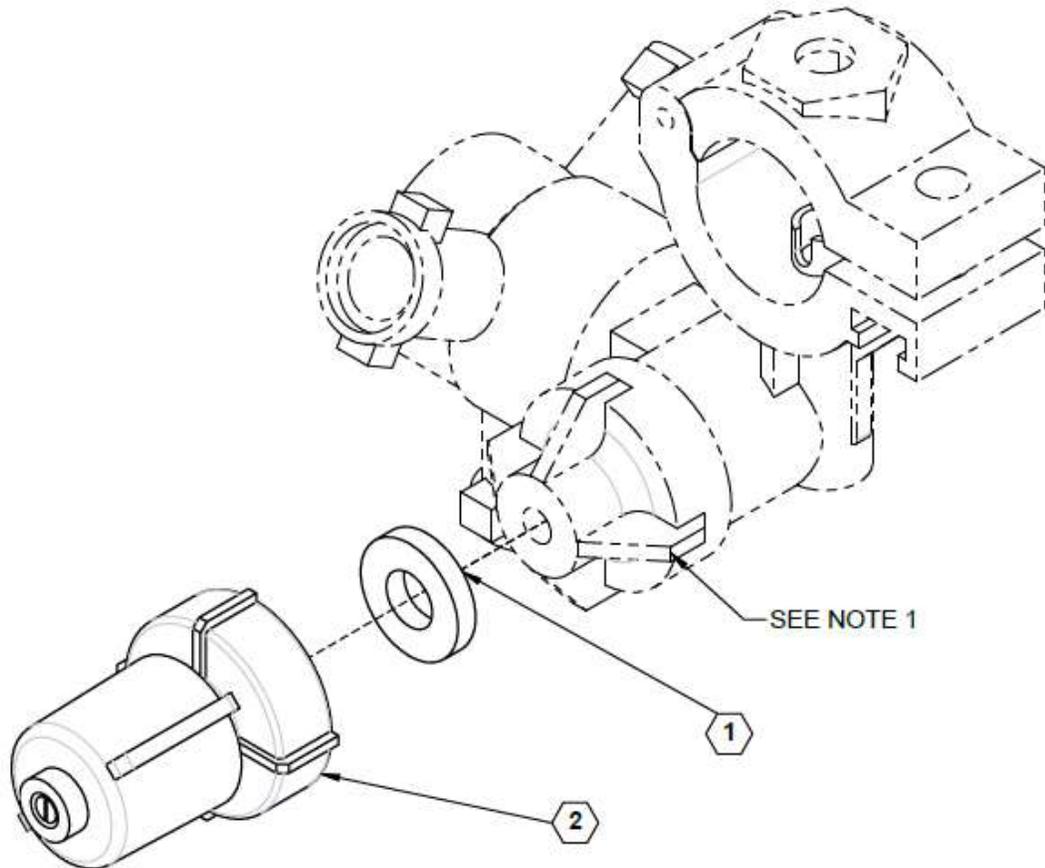
Parts List 90SAFTG100T075T: Hose Barb H, 1" to 3/4"

ITEM	PART NO.	QTY.	DESCRIPTION
1	530181	1	TEE, .75 MPT X 1.00 HB X 1.00 HB
2	530220	1	TEE, .75 MPT X .75 HB X .75 HB

Fenceline Nozzles – Manual

NOTE:

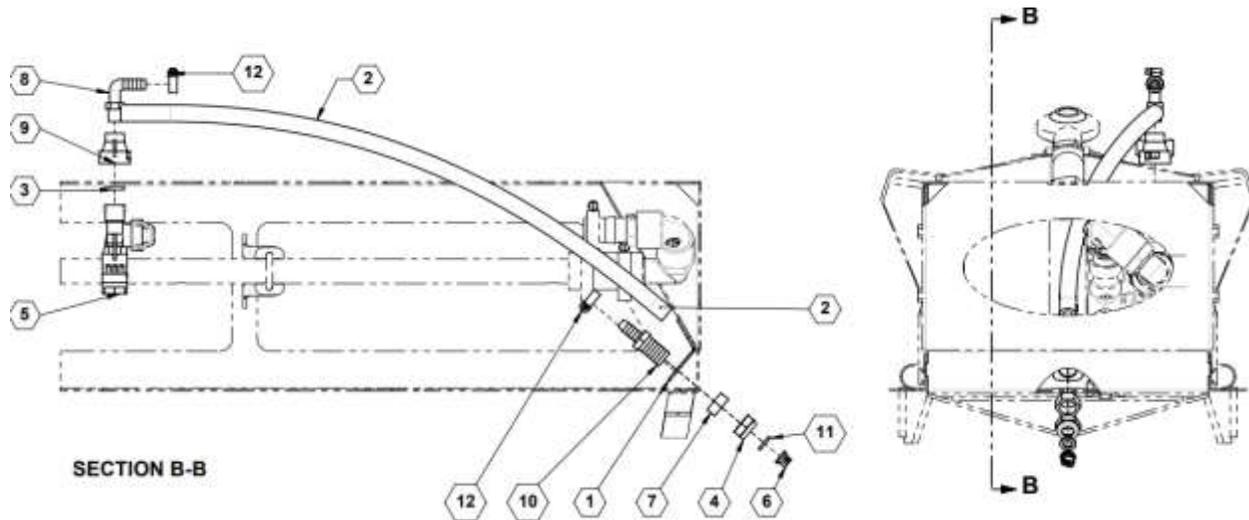
1. REMOVE CHECK VALVE CAP FROM NOZZLE BODY
2. FINISH: NONE



Parts List 99EPFLN00: Fenceline Nozzles – Manual

ITEM	PART NO.	QTY.	DESCRIPTION
1	520016	2	GASKET, QUICK TEEJET SEAT, STD EPDM
2	520037	2	VALVE, MANUAL SHUTOFF, FENCELINE

Fenceline Nozzle Plumbing



Parts List 36870: Fenceline Nozzle Plumbing

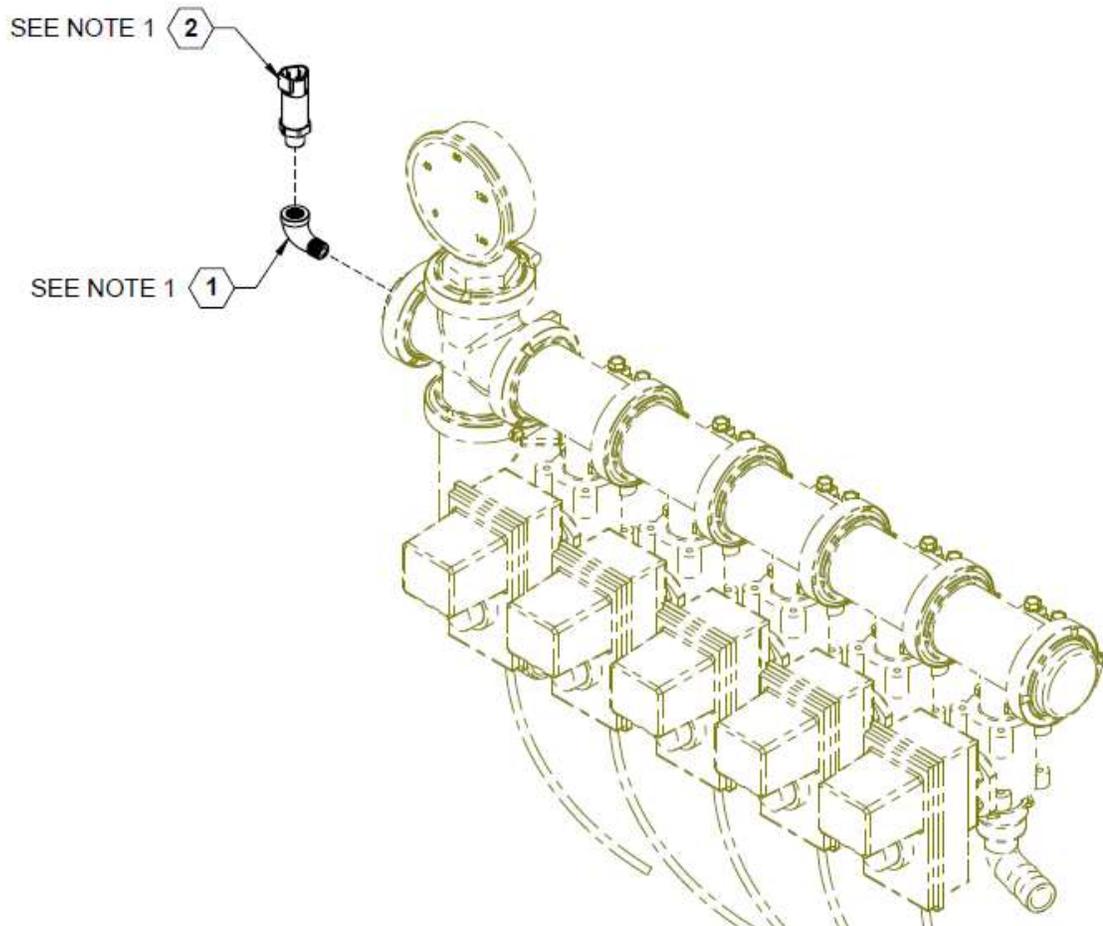
ITEM	PART NO.	QTY.	DESCRIPTION
1	36878	1	PLATE, FENCELINE NOZZLE BRACKET
2	510020	2	(FT) HOSE, 0.38IN EPDM
3	520016	1	GASKET, QUICK TEEJET SEAT, STD EPDM
4	520019	1	CAP, NOZZLE, BLACK NYLON
5	520030	1	NOZZLE BODY, 25MM SINGLE
6	520050	1	TIP, NOZZLE, BLUE POLYMER, FLAT SPRAY
7	530206	1	NUT, NOZZLE 11/16"
8	530209	1	FITTING, ELBOW, 90D, .250 MNPT X .375 HB, POLY
9	530248	1	QUICKJET ADAPTER NY
10	530306	1	NOZZLE, POLY FENCELINE W/ HB
11	530356	1	GASKET, RUBBER QJT
12	540032	2	HOSE CLAMP, 5/16 #5 SS

PRODUCT ELECTRICAL COMP.S

Pressure Transducer

NOTES:

1. APPLY A SMALL AMOUNT OF THREAD SEALANT BEFORE INSTALLING
2. INSTALL WITH TRANSDUCER ELECTRICAL CONNECTION FACING UPWARD



Parts List 28027: Pressure Transducer

ITEM	PART NO.	QTY.	DESCRIPTION
1	530246	1	ELBOW, 90° STREET ¼ NPT SS
2	632036	1	TRANSDUCER, PRESSURE

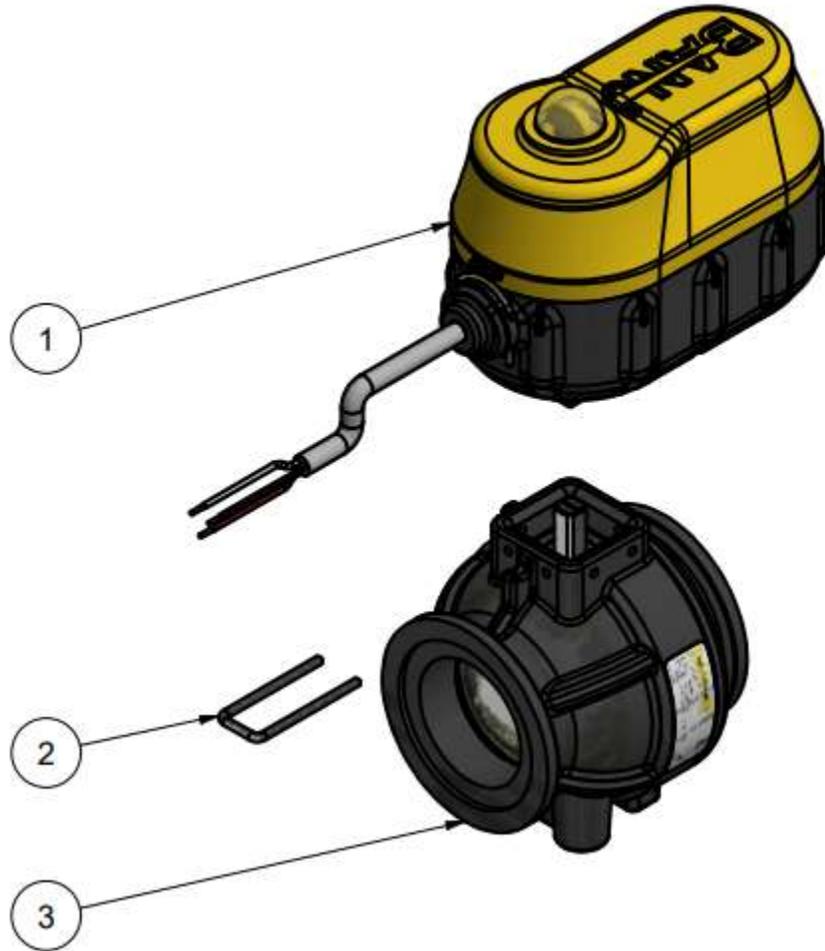
No Pressure Transducer



Parts List: No Pressure Transducer

ITEM	PART NO.	QTY.	DESCRIPTION
1	530446	1	PLUG, .25 MPT, POLY

Remote Shutoff Valve



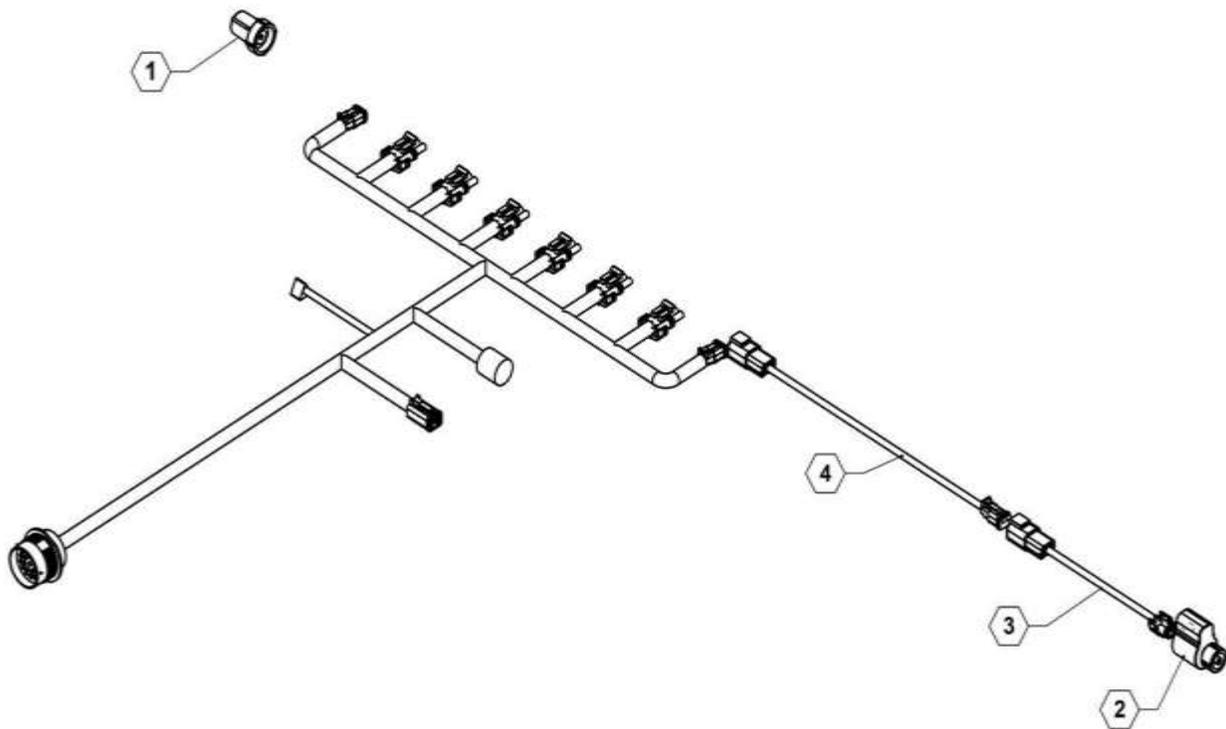
Parts List 500086 / 500088: Remote Shutoff Valve

ITEM	PART NO.	QTY.	DESCRIPTION
1	EP31B10513	1	(M200) EVX ACT 1.5S WWC 5W OP/CL-VFY
	EP31B10310		(M220) EVX ACT 1.5S WWC 3W
2	EVP20001	1	EV U-PIN
3	MEVX200GX	1	(M200) 2" STD PORT MEVX VALVE ONLY
	MEVX220GX		(M220) MEVX 2"FP STUBBY VALVE ONLY

Fenceline Nozzles – Single, Display Control

NOTE:

1. FOR USE WITH RAVEN RCM AND JD RC2000

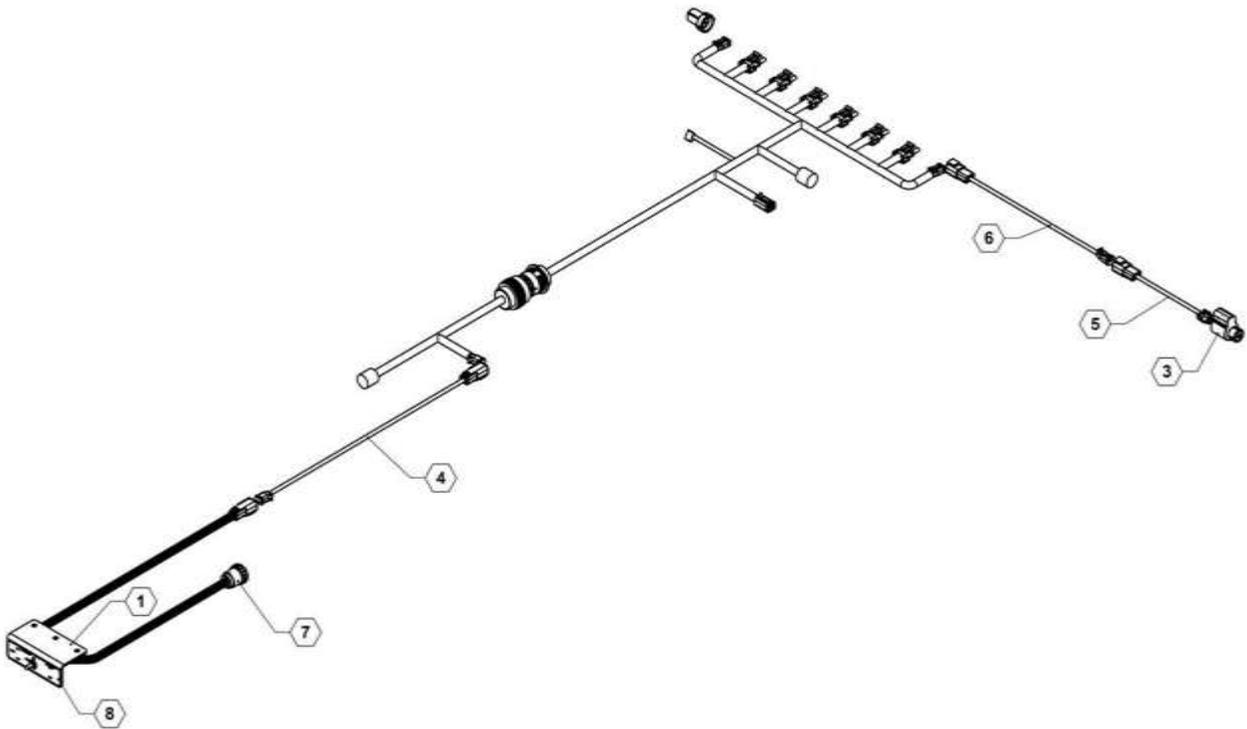


Parts List 27360: Fenceline Nozzles – Single, Display Control

ITEM	PART NO.	QTY.	DESCRIPTION
1	520037	1	VALVE, MANUAL CHEMSAVER
2	520038	1	VALVE, ELECTRIC CHEMSAVER
3	632044	1	FENCEROW ADAPTER CABLE, 6"
4	632054	1	FENCEROW CABLE, 55'

Fenceline Nozzles – Single, Toggle Switch Control

NOTE:
1. FOR USE WITH RAVEN 450, JD GREENSTAR & OTHER 16 & 37 PIN CABLING CONTROLLERS

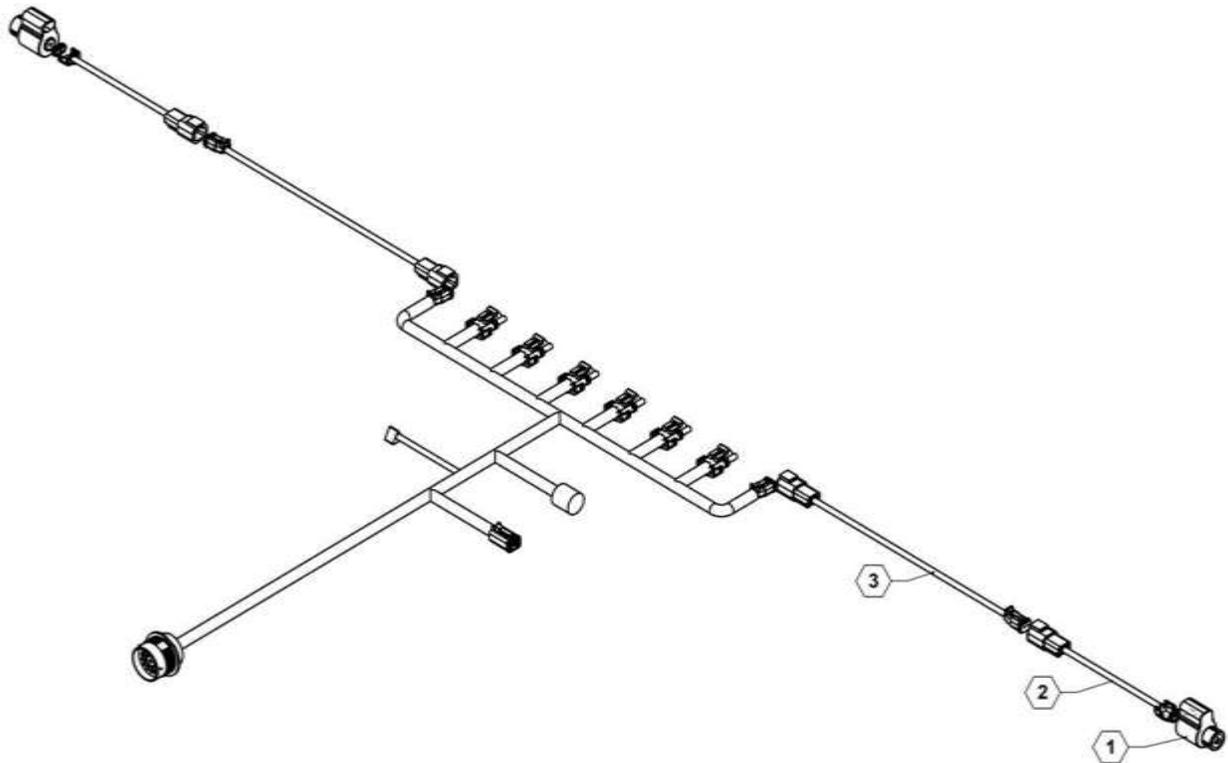


Parts List 27362: Fenceline Nozzles – Single, Toggle Switch Control

ITEM	PART NO.	QTY.	DESCRIPTION
1	18437	1	PLATE, MOUNT
2	520037	1	VALVE, MANUAL CHEMSAVER
3	520038	1	VALVE, ELECTRIC CHEMSAVER
4	632042	1	2 PIN DT 40' CABLE EXTENSION
5	632044	1	FENCEROW ADAPTER CABLE 6"
6	632054	1	FENCEROW CABLE, 55'
7	632089	1	CABLE, SINGLE ELECTRIC FENCELINE NOZZLE
8	800261	1	DECAL, FENCELINE & AGITATION

Fenceline Nozzles – Dual, Display Control

NOTE:
1. FOR USE WITH RAVEN RCM AND JD RC2000

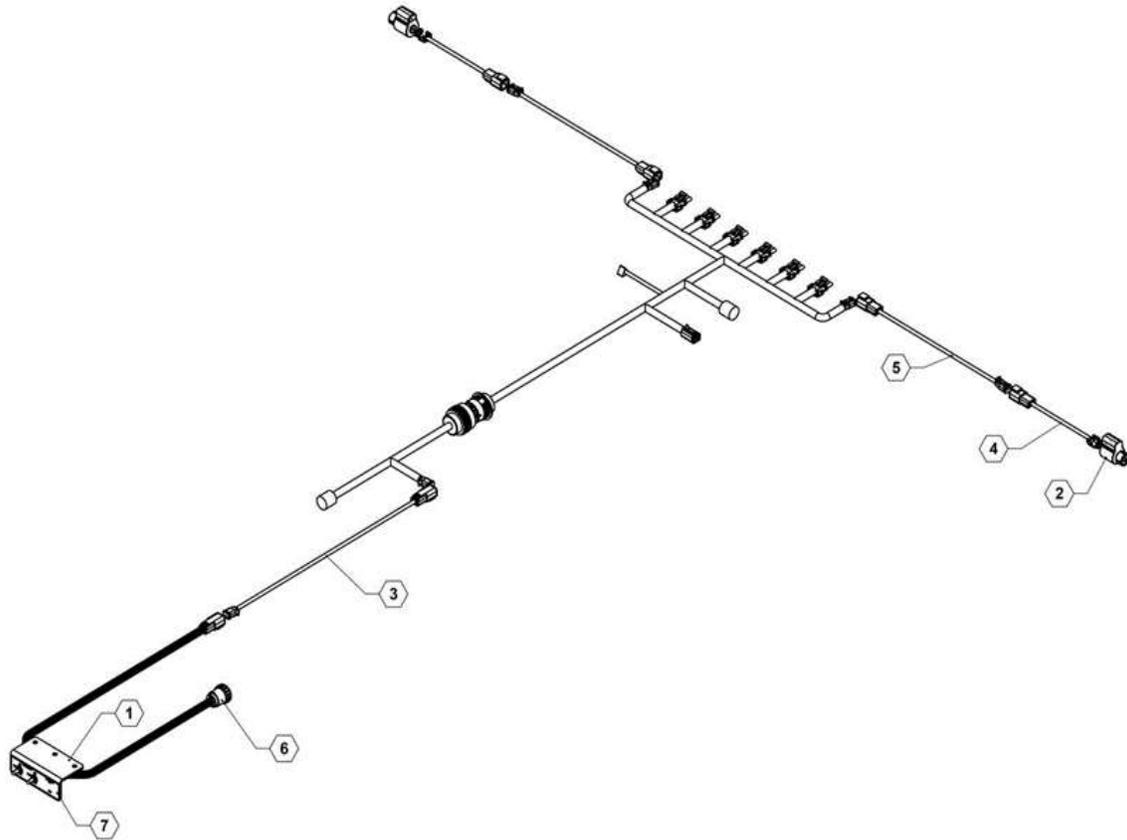


Parts List 27361: Fenceline Nozzles – Dual, Display Control

ITEM	PART NO.	QTY.	DESCRIPTION
1	520038	2	VALVE, ELECTRIC CHEMSAVER
2	632044	2	FENCEROW ADAPTER CABLE, 6'
3	632054	2	FENCEROW CABLE, 55'

Fenceline Nozzles – Dual, Toggle Switch Control

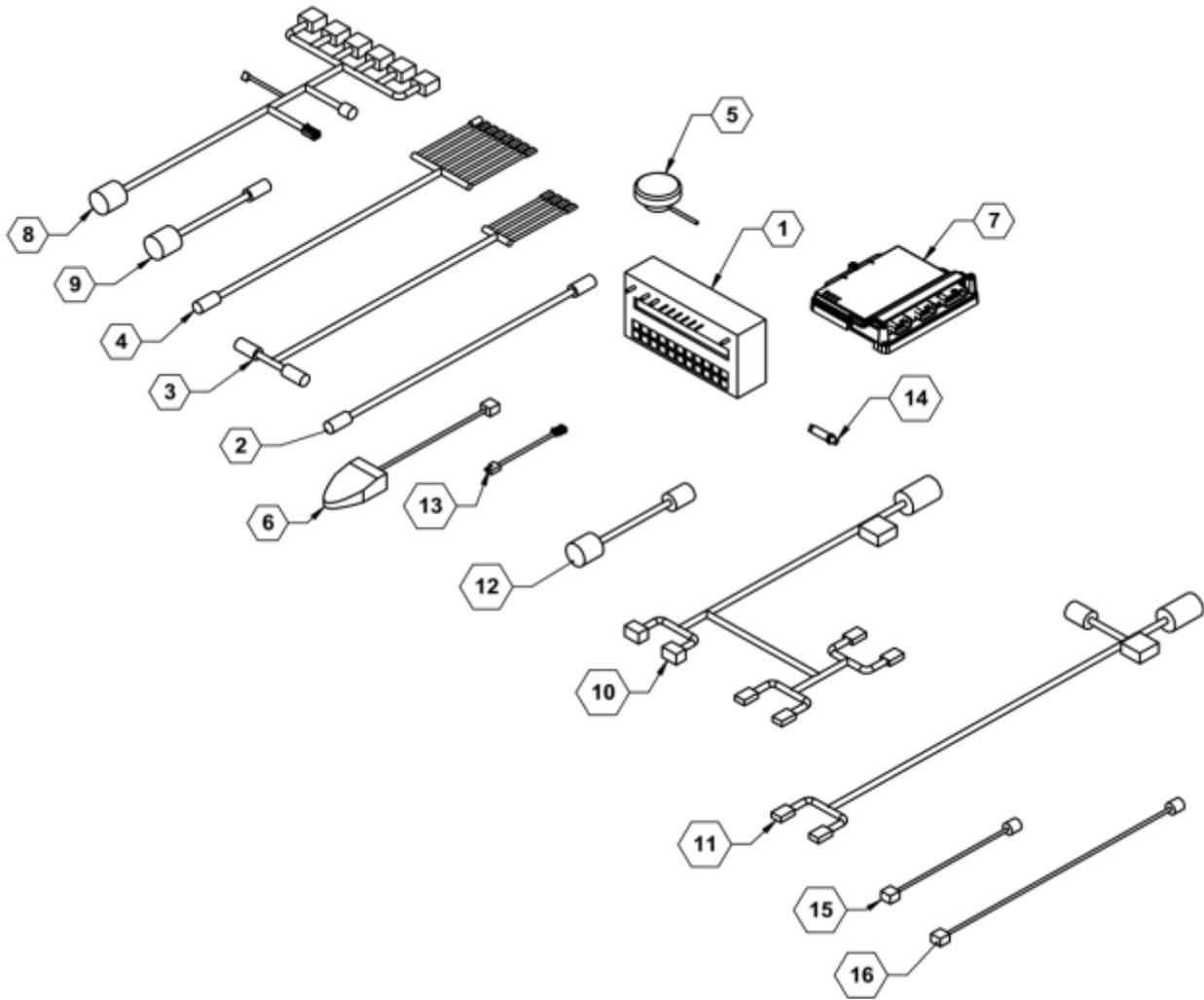
NOTE:
1. FOR USE WITH RAVEN 450, JD GREENSTAR & OTHER 16 & 37 PIN CABLING CONTROLLERS



Parts List 27363: Fenceline Nozzles – Dual, Toggle Switch Control

ITEM	PART NO.	QTY.	DESCRIPTION
1	18437	1	PLATE, MOUNT
2	520038	2	VALVE, ELECTRIC CHEMSAVER
3	632042	1	2 PIN DT 40' CABLE EXTENSION
4	632044	2	FENCEROW ADAPTER CABLE, 6"
5	632054	2	FENCEROW CABLE, 55'
6	632088	1	CABLE, DUAL ELECTRIC FENCELINE NOZZLES
7	800261	1	DECAL, FENCELINE & AGITATION

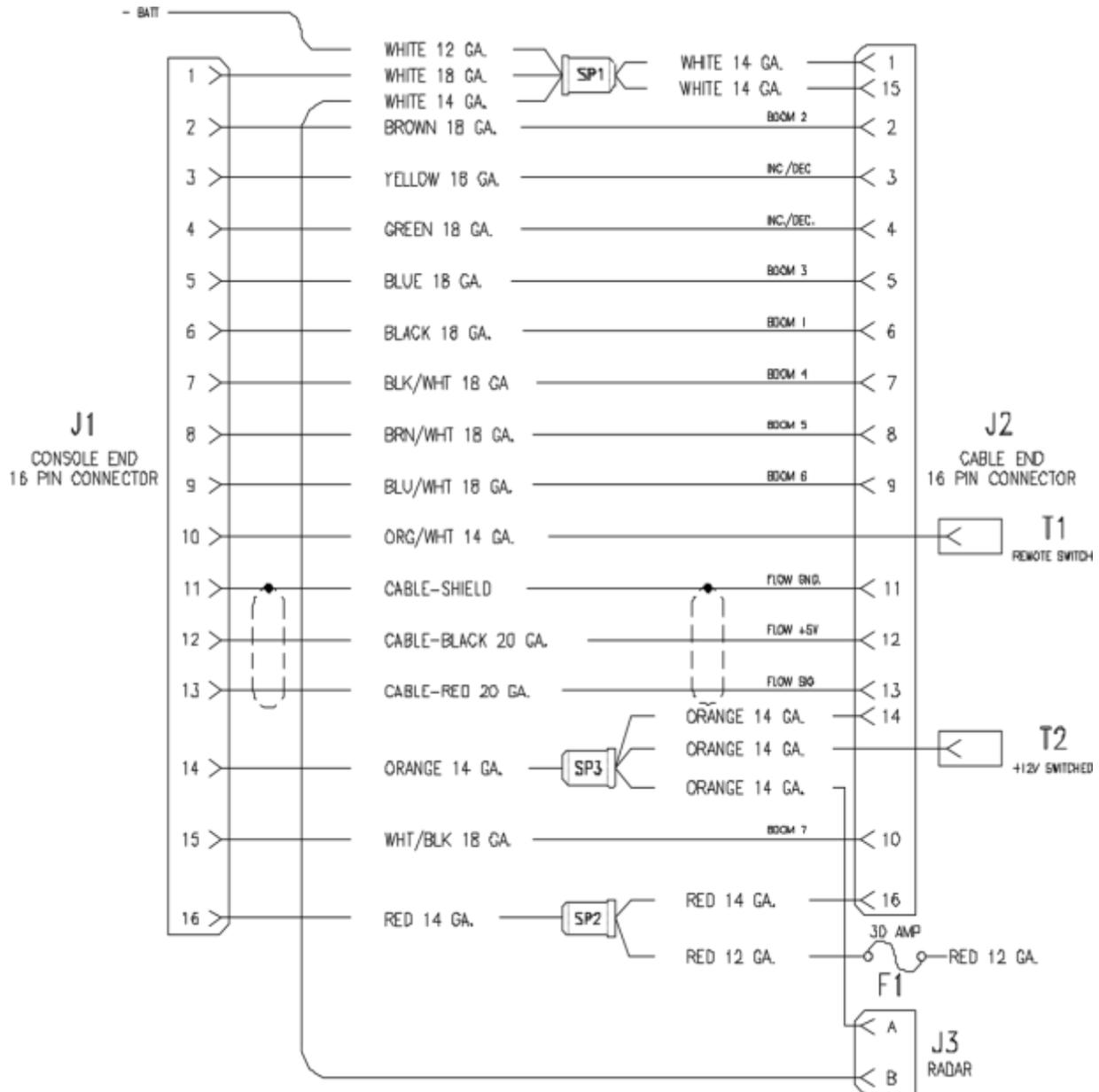
Raven Harnesses & Components



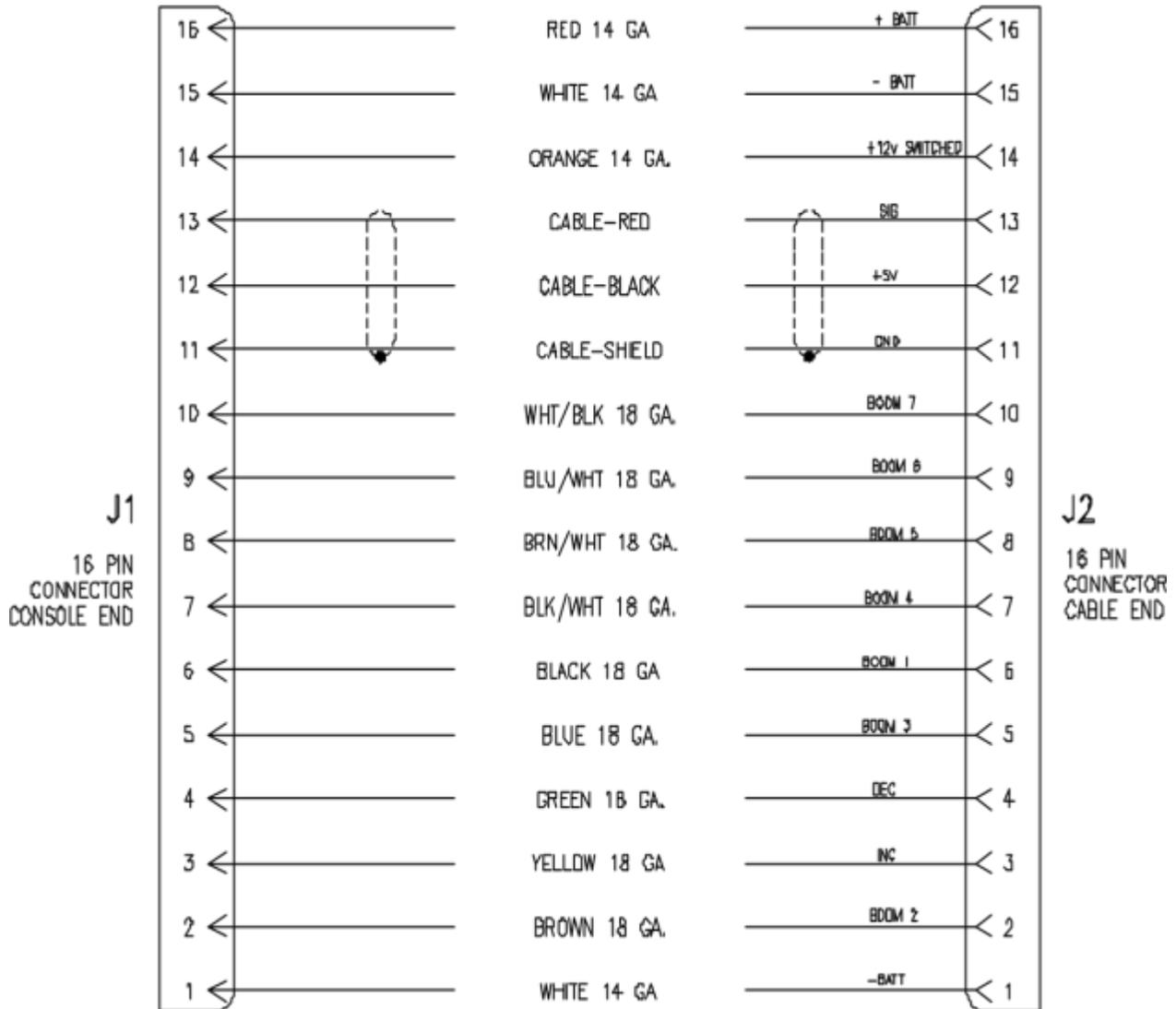
Parts List: Raven Harnesses & Components

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	632080	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

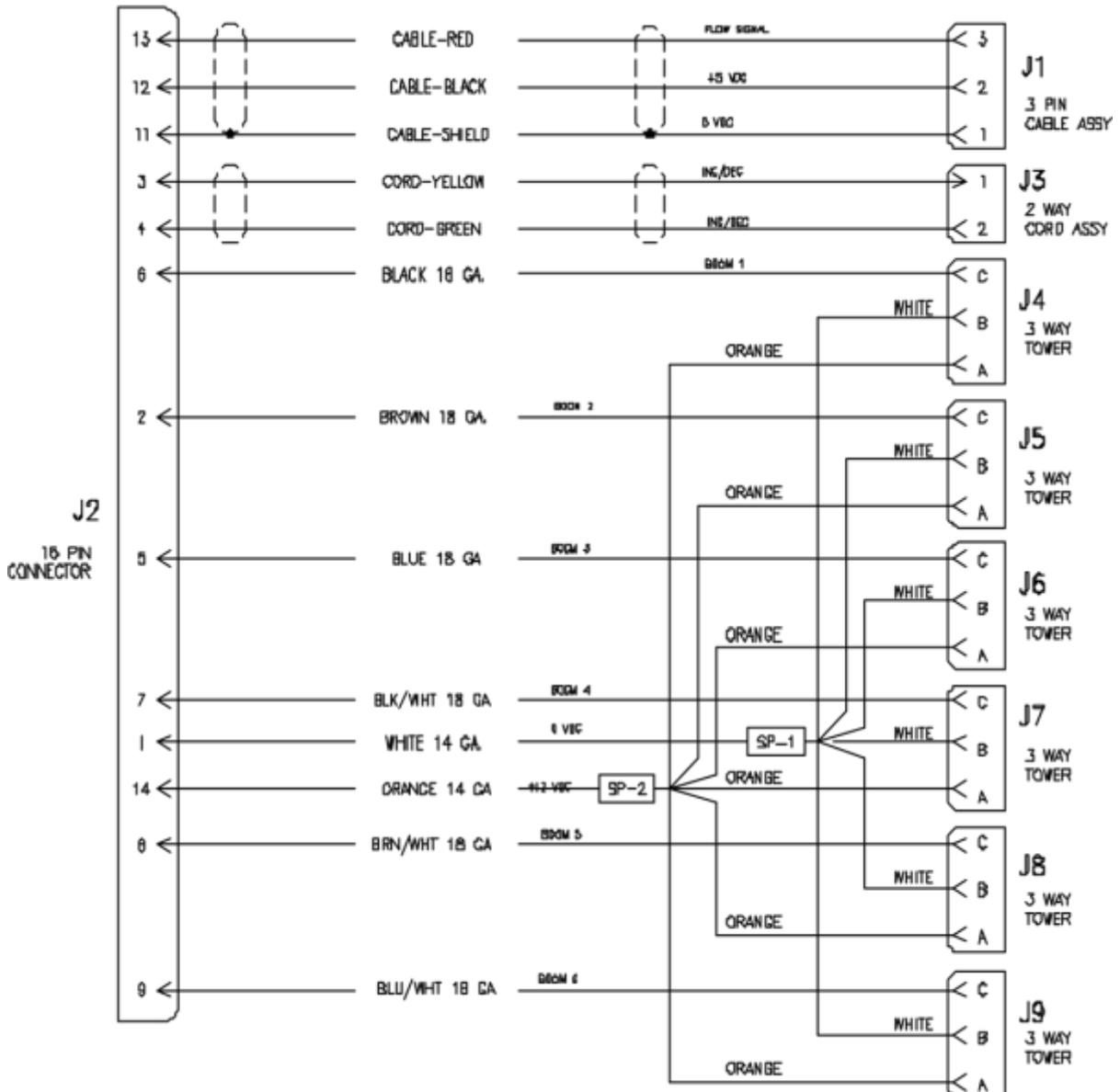
Control Harness 115-0171-085



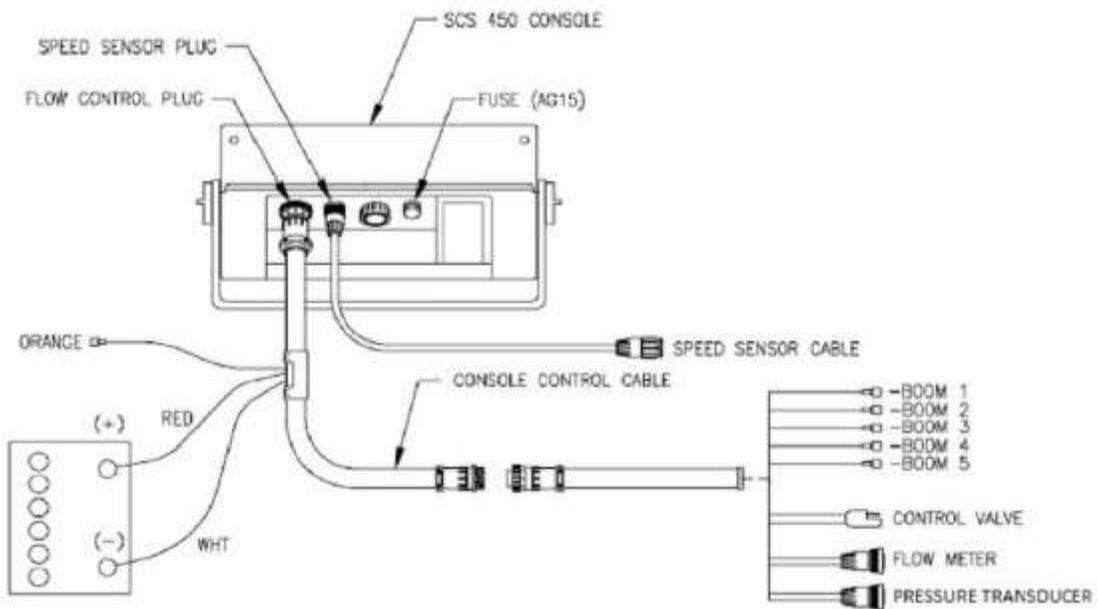
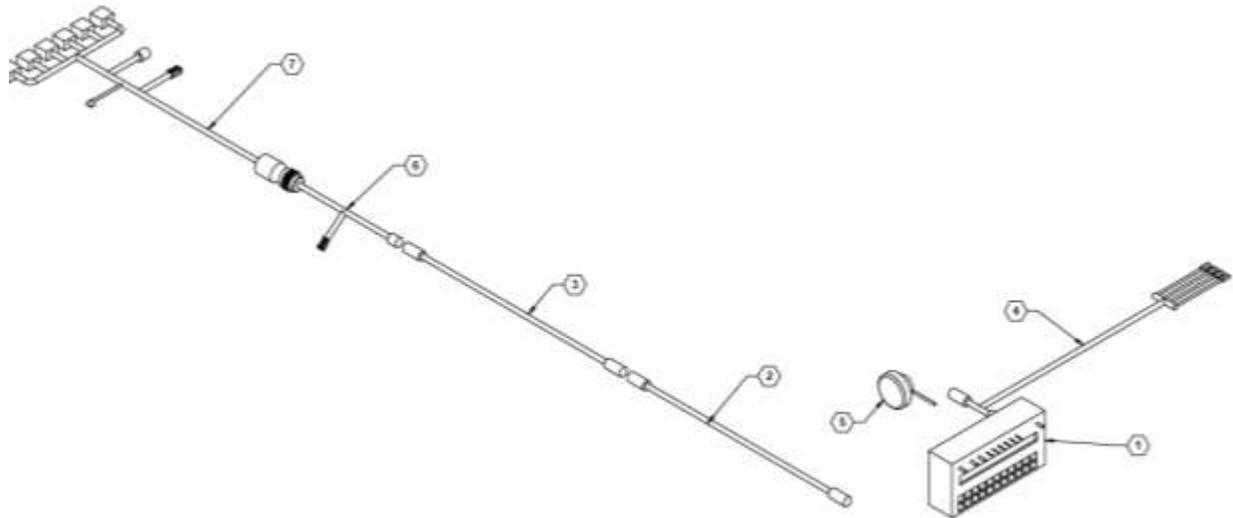
Control Harness 115-0159-856



Control Harness 115-0171-086



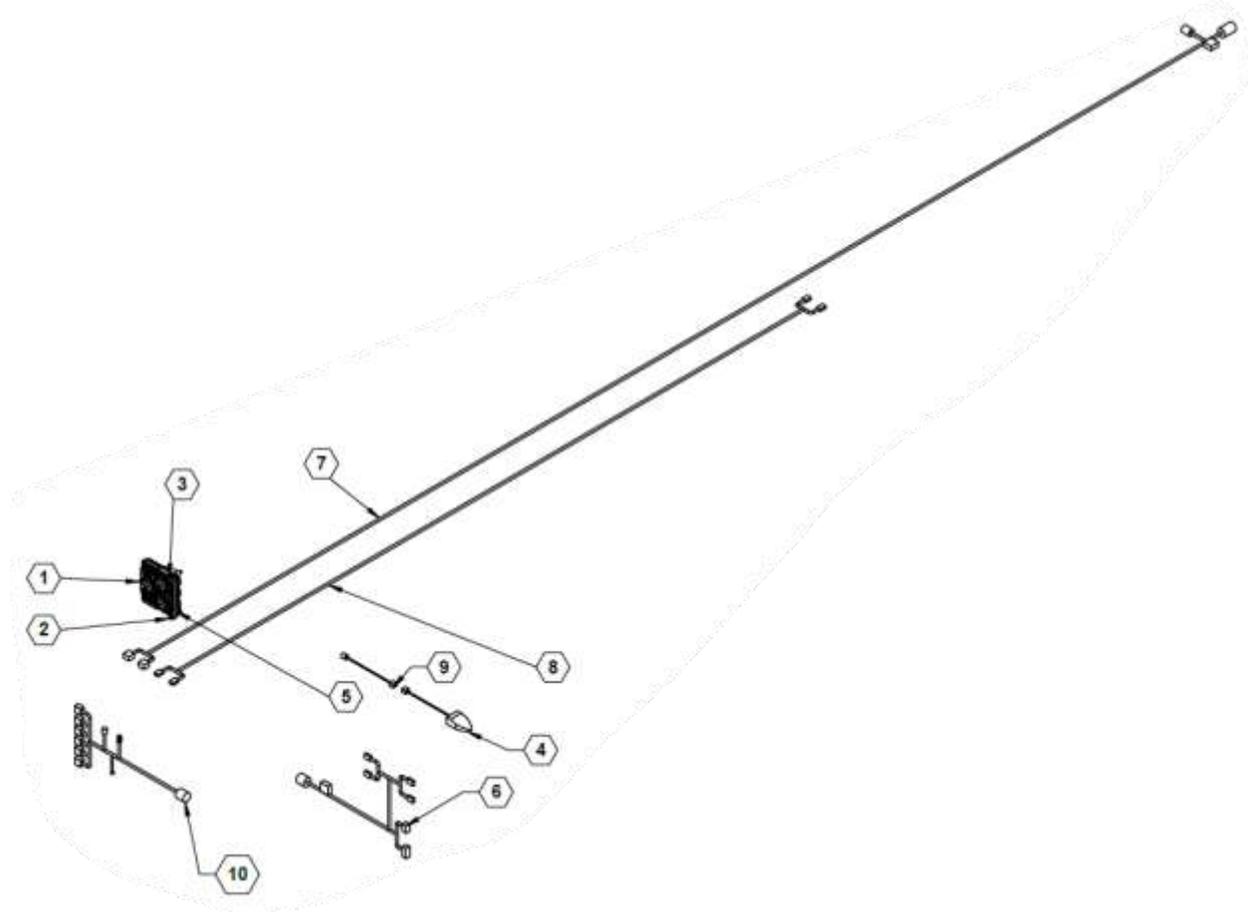
Raven 450 Rate Controller



Parts List 35742: Raven 450 Rate Controller

ITEM	PART NO.	QTY.	DESCRIPTION
1	631803	1	RAVEN SCS450 CONTROLLER
2	631814	1	CABLE, 6 BOOM 12' EXTENSION
3	631815	1	CABLE, 6 BOOM 24' EXTENSION
4	631818	1	CABLE 10' CONSOLE 7 BOOM SCS 440/4
5	631832	1	SKYTRAK GPS SPEED SENSOR
6	632080	1	6 SECTION 6' FINAL CABLE
6	632028	1	47 PIN TO 16 PIN ADAPTER
7	632080	1	6 SECTION APP FINAL HARNESS

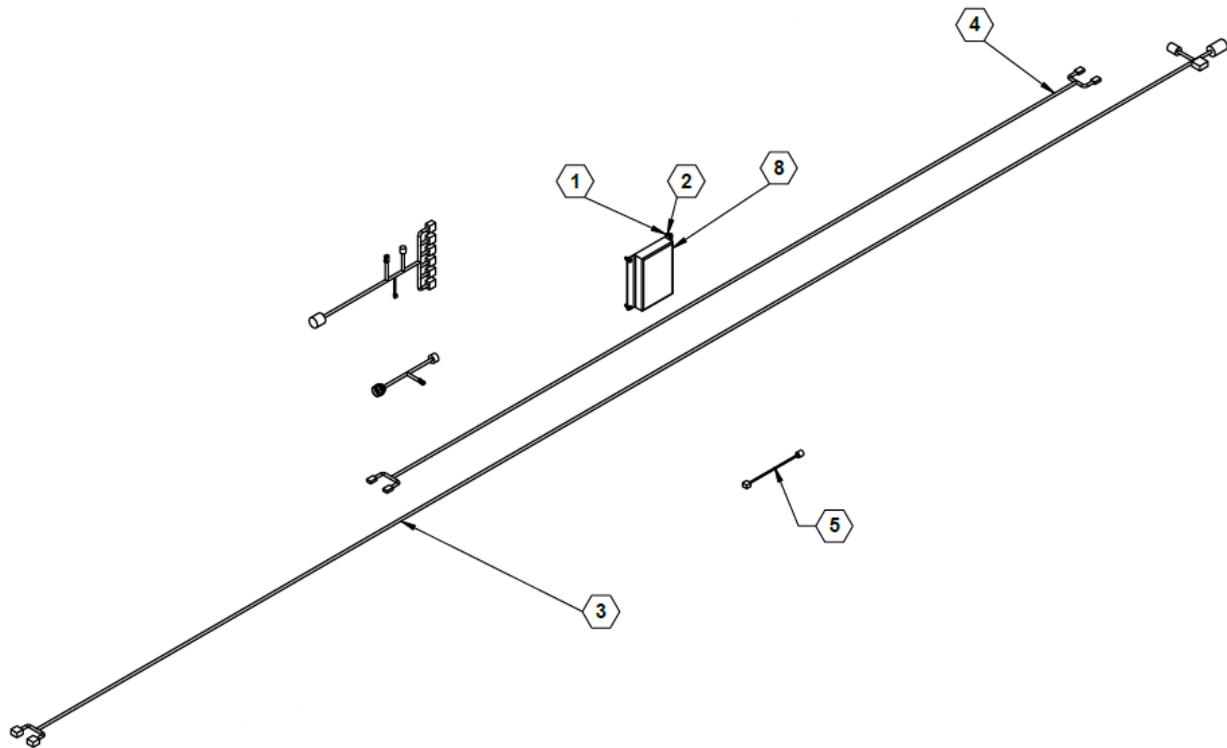
Raven RCM Rate Controller



Parts List 35678: Raven RCM Rate Controller

ITEM	PART NO.	QTY.	DESCRIPTION
1	596105M	1	BOLT, HH 1/4-20X2-1/2 GR5 MAGNI
2	596110M	2	BOLT, HH 1/4-20 X 3 MAGNI
3	596235M	3	NUT, CENTERLOCK, 1/4-20 MAGNI
4	631856	1	FOOTSWITCH, ISO PRODUCT CONTROL
5	632010	1	RAVEN RCM
6	632029	1	47 PIN RATE CTRL INTERFACE CABLE
7	632051	1	IBIC TO GEN 1 ISO 24'
8	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
9	632061	1	CABLE, FOOTSWITCH, 12' ROW CROP TRACTOR
10	632080	1	6 SECTION 6' FINAL CABLE

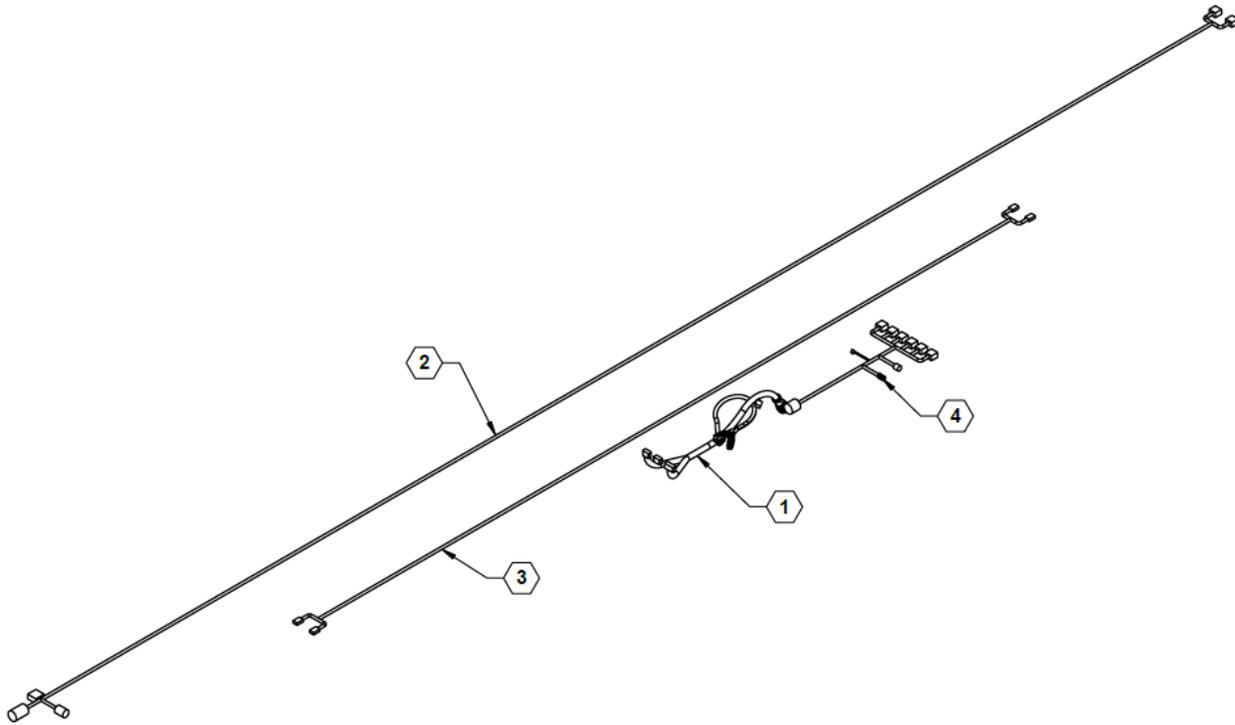
Greenstar Rate Controller



Parts List 35679: Greenstar Rate Controller

ITEM	PART NO.	QTY.	DESCRIPTION
1	596128M	4	BOLT, HH 3/8-16 X 1 GR5 MAGNI
2	596237M	6	NUT, CENTERLOCK 3/8-16 MAGNI
3	632051	1	IBIC TO GEN 1 ISO 24'
4	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
5	632061	1	CABLE, FOOTSWITCH, 12' CROP TRACTOR
6	632070	1	37 TO 47 PIN ADAPTER CABLE
7	632080	1	6 SECTION 6' FINAL CABLE
8	632145	1	JD GREENSTAR RATE CONTROLLER

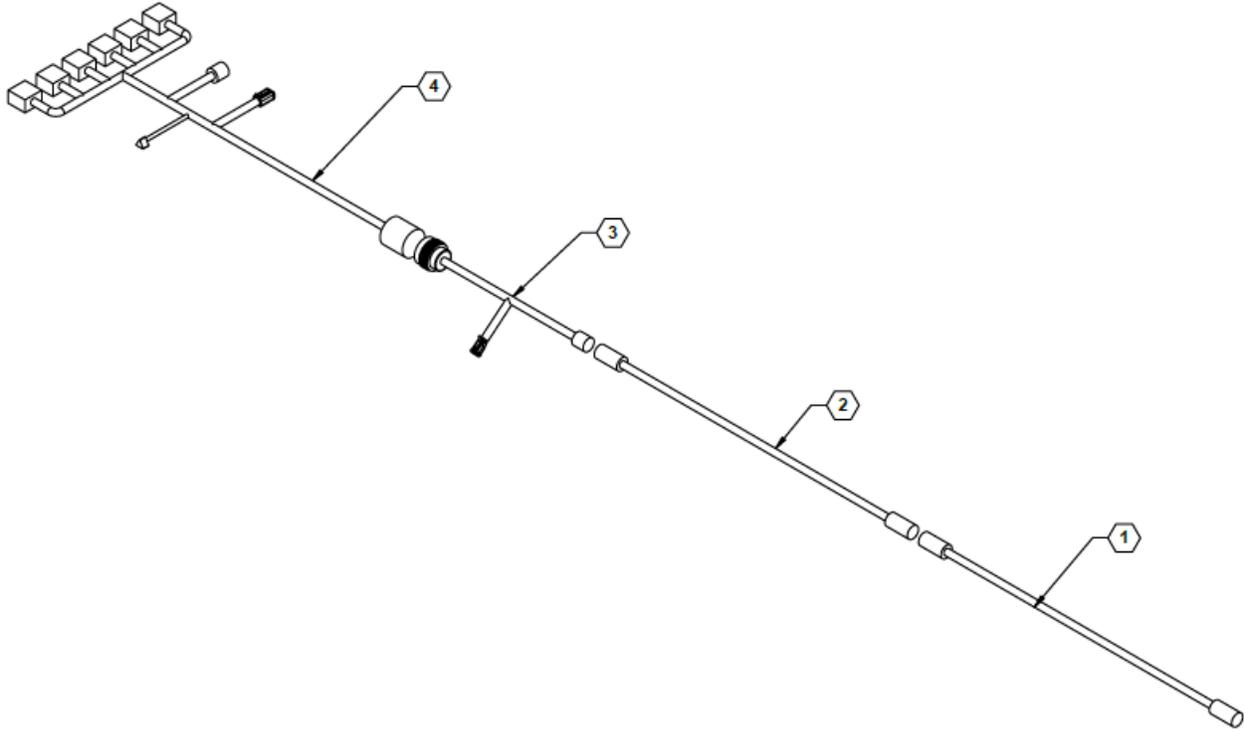
Customer Supplied RCM/RC2000



Parts List 35741: Customer Supplied RCM/RC2000

ITEM	PART NO.	QTY.	DESCRIPTION
1	632029	1	47 PIN RATE CTRL INTERFACE CABLE
2	632051	1	IBIC TO GEN 1 ISO 24'
3	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
4	632080	1	6 SECTION APP FINAL HARNESS

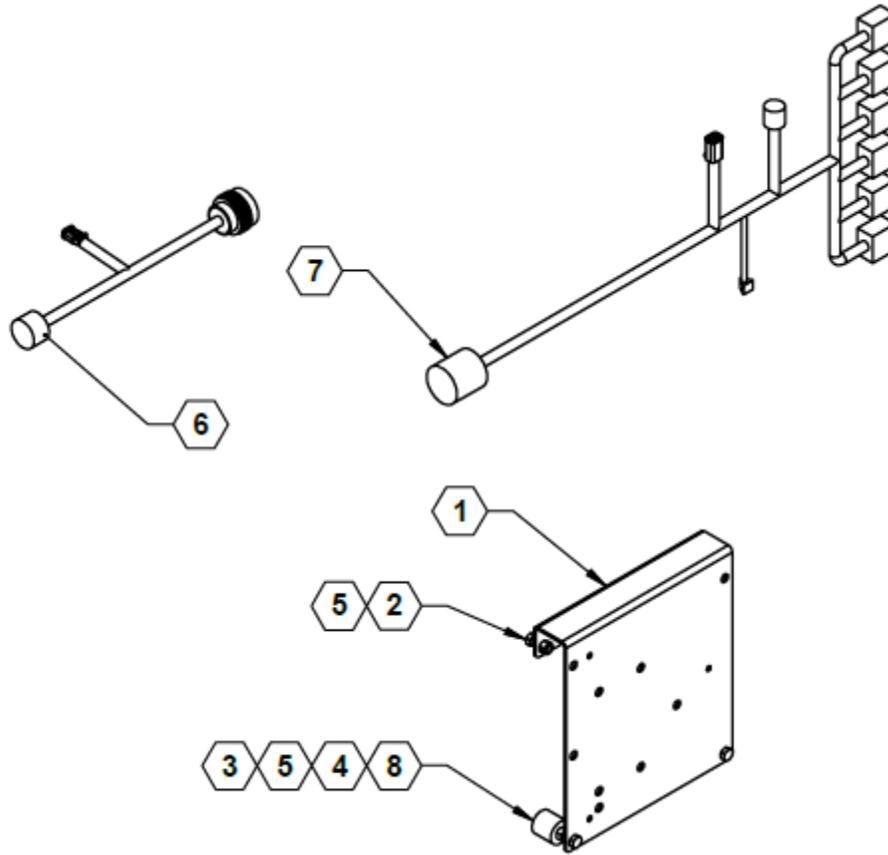
Customer Supplied Raven 450



Parts List 35743: Customer Supplied Raven 450

ITEM	PART NO.	QTY.	DESCRIPTION
1	631814	1	CABLE, 6 BOOM 12' EXTENSION
2	631815	1	CABLE, 6 BOOM 24' EXTENSION
3	632028	1	47 PIN TO 16 PIN ADAPTER
4	632080	1	6 SECTION APP FINAL HARNESS

Customer Supplied JD Greenstar

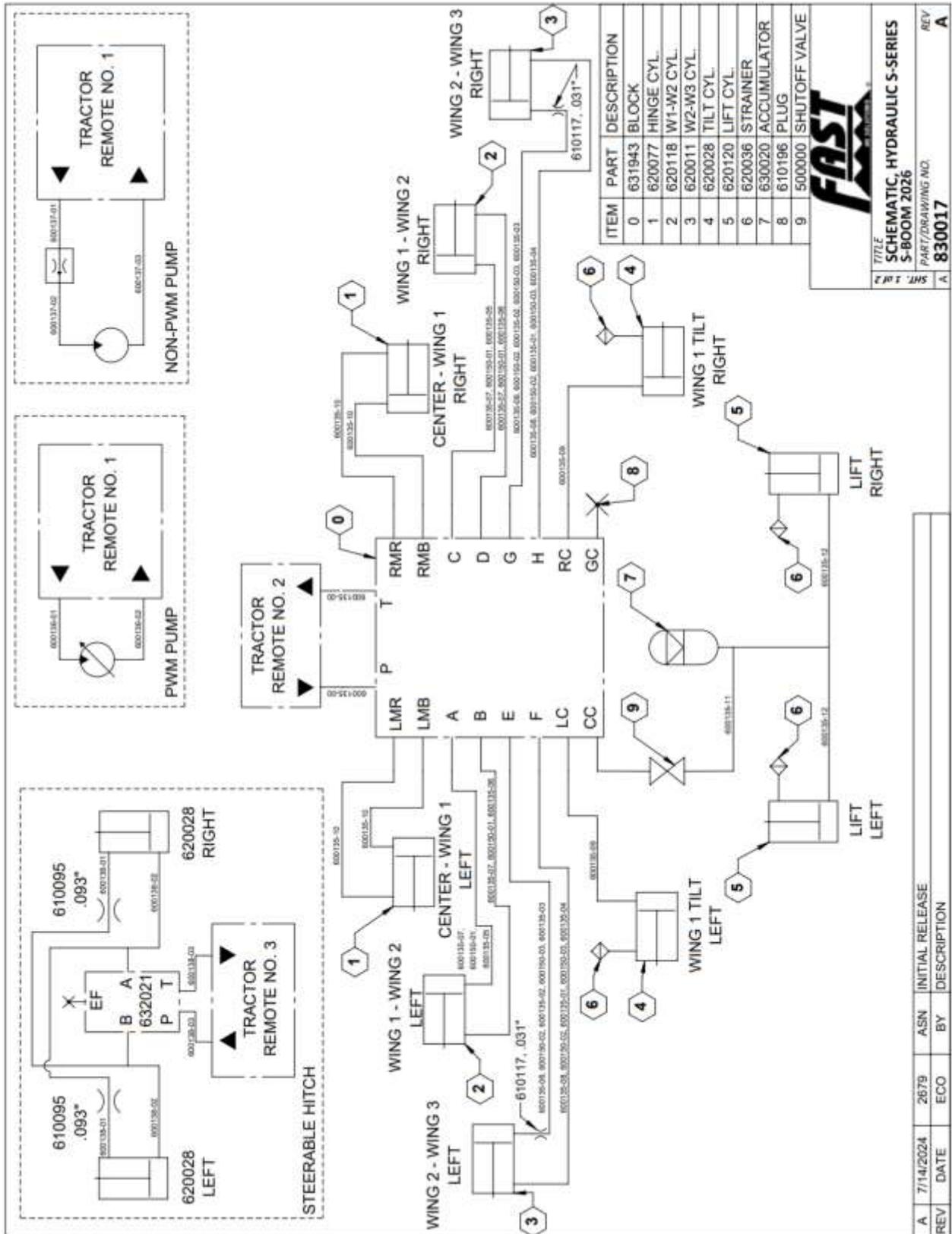


Parts List 35404/35744: Customer Supplied JD Greenstar

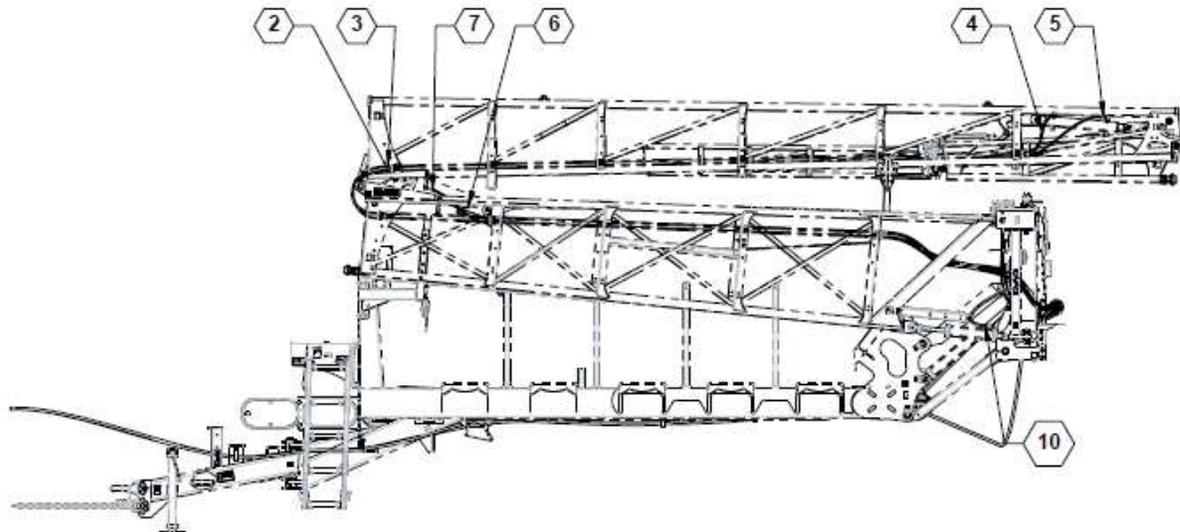
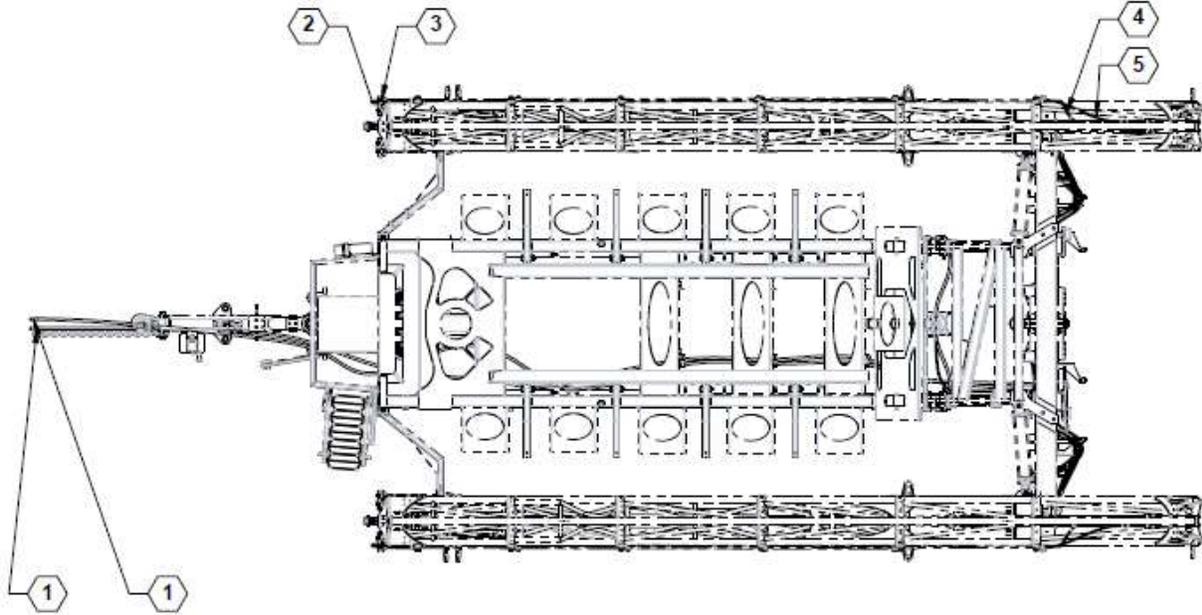
ITEM	PART NO.	QTY.	DESCRIPTION
1	15813	1	PLATE, FORMED MOUNT
2	596128M	2	BOLT, HH 3/8-16 X 1 GR5 MAGNI
3	596129M	2	BOLT, HH 3/8-16 X 1-1/2 GR5 MAGNI
4	596213M	2	NUT HEX 3/8-16 MAGNI
5	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
NS	632051	1	IBIC TO GEN 1 ISO 24'
NS	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
6	632070	1	37 TO 47 PIN ADAPTER CABLE
7	632080	1	6 SECTION 6' FINAL CABLE
8	750050	2	BUMPER, EBCO

HYDRAULICS

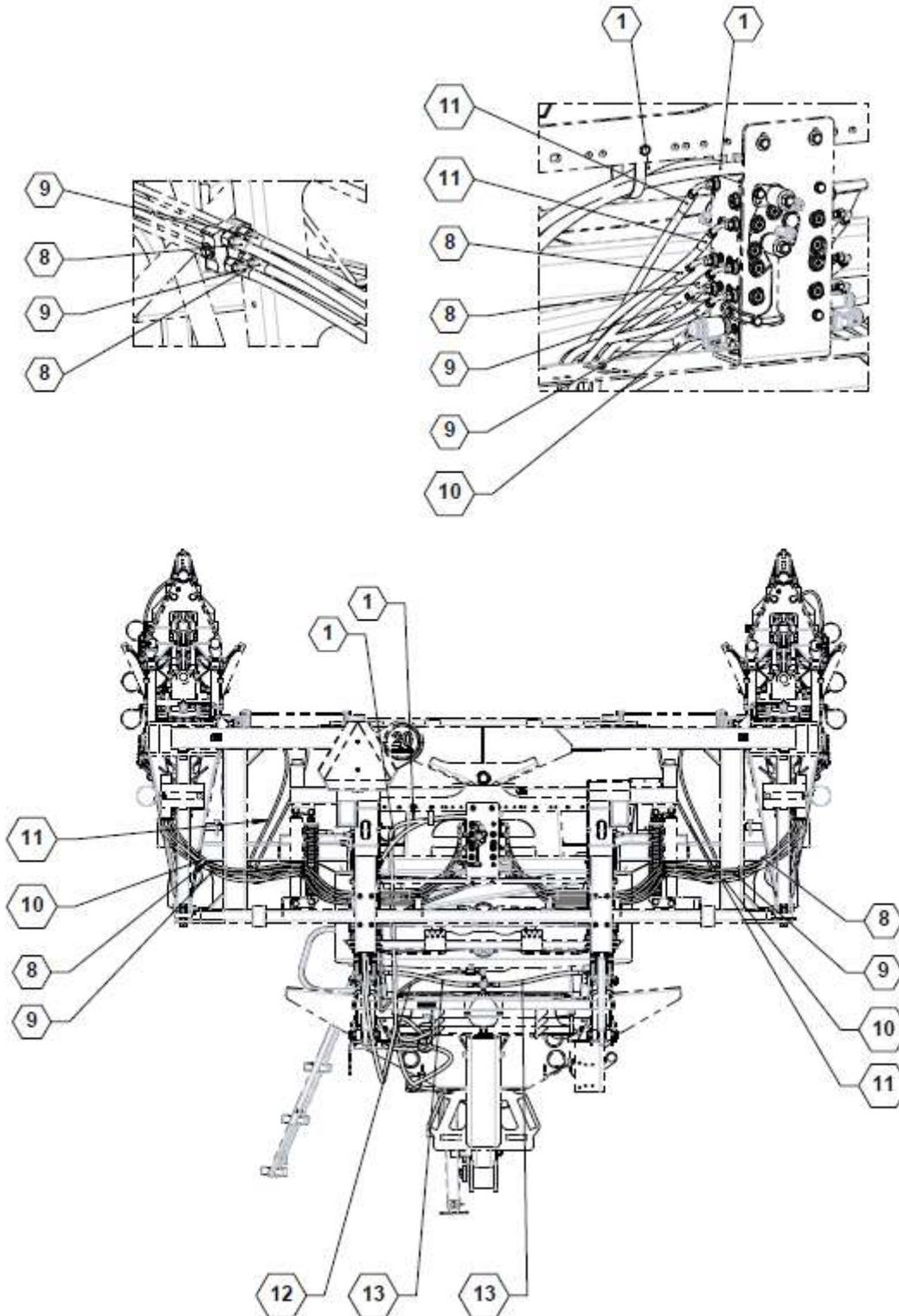
Hydraulic Diagram (830017)



Boom Hydraulic Hoses & Fittings



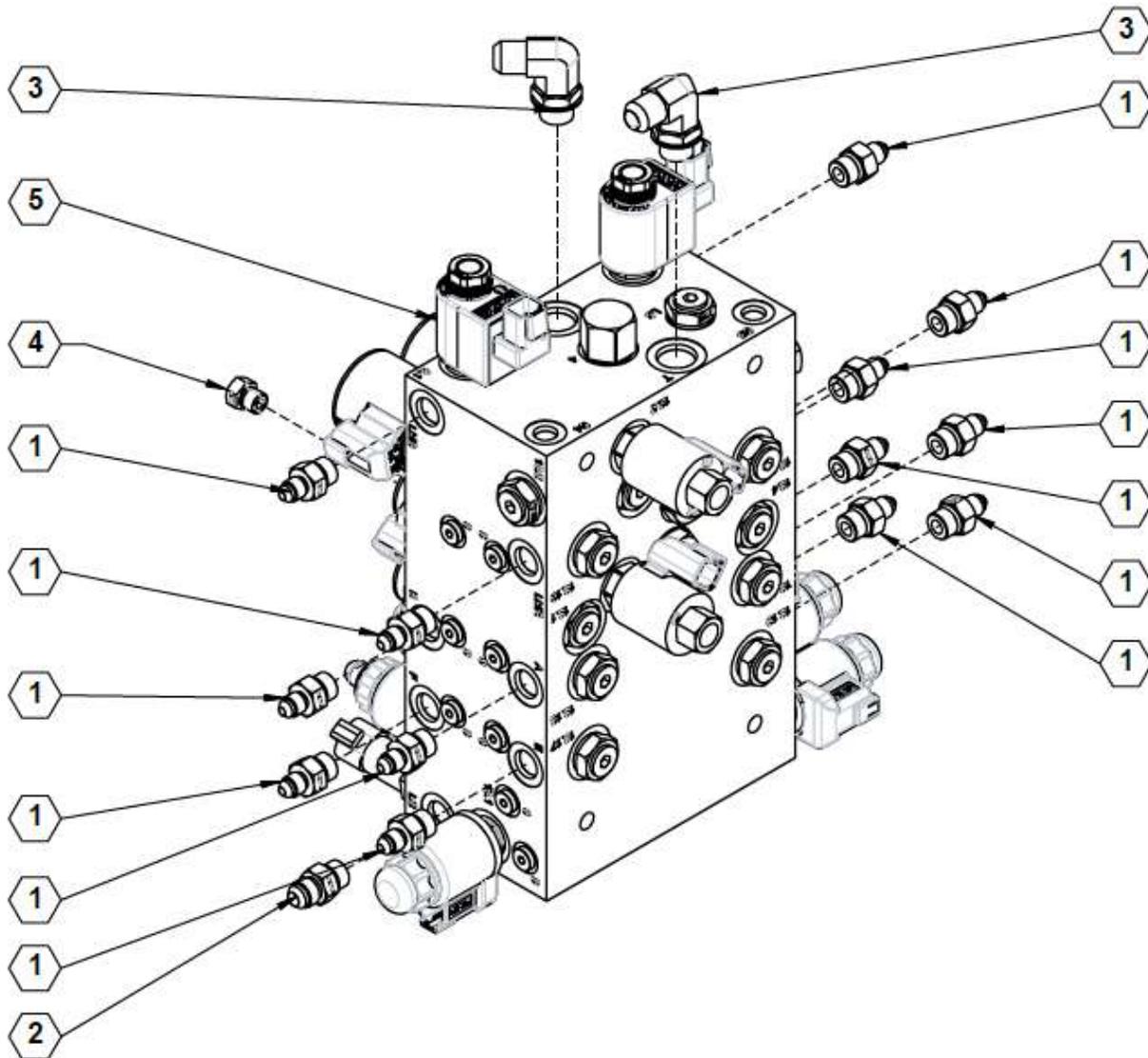
Boom Hydraulic Hoses & Fittings (continued)



Parts List 600135 (600150): Boom Hydraulic Hoses & Fittings

ITEM	PART NO.	QTY.	DESCRIPTION
-	-	-	HOSE ASSY, HOSE SIZE – FITTING 1 – FITTING 2 - LENGTH
1	600135-00-ZN	2	HOSE ASSY, 8-8MORB-8FJX-394
2	600135-01-ZN	2	HOSE ASSY, 4-6MJX-6MJX-23
3	600135-02-ZN	2	HOSE ASSY, 4-6MJX-6MJX-39
4	600135-03-ZN	2	HOSE ASSY, 4-6MJX-4FJX-29
5	600135-04-ZN	2	HOSE ASSY, 4-6MJX-4FJX-34
6	600135-05-ZN	2	HOSE ASSY, 6-6MJX-6FJX-25
7	600135-06-ZN	2	HOSE ASSY, 6-6MJX-6FJX-28
8	600135-07-ZN	4	HOSE ASSY, 6-4FJX90-6MJX-138
9	600135-08-ZN	4	HOSE ASSY, 4-4FJX90-6MJX-140
10	600135-09-ZN	2	HOSE ASSY, 6-6FJX90-8FJX-115
11	600135-10-ZN	4	HOSE ASSY, 4-4FJX90-6MJX-115
12	600135-11-ZN	1	HOSE ASSY, 4-4FJX90-4FJX-143
13	600135-12-ZN	2	HOSE ASSY, 8-8FJX-8FJX-26
14	830017	0	SCHEMATIC, HYDRAULIC S-SERIES

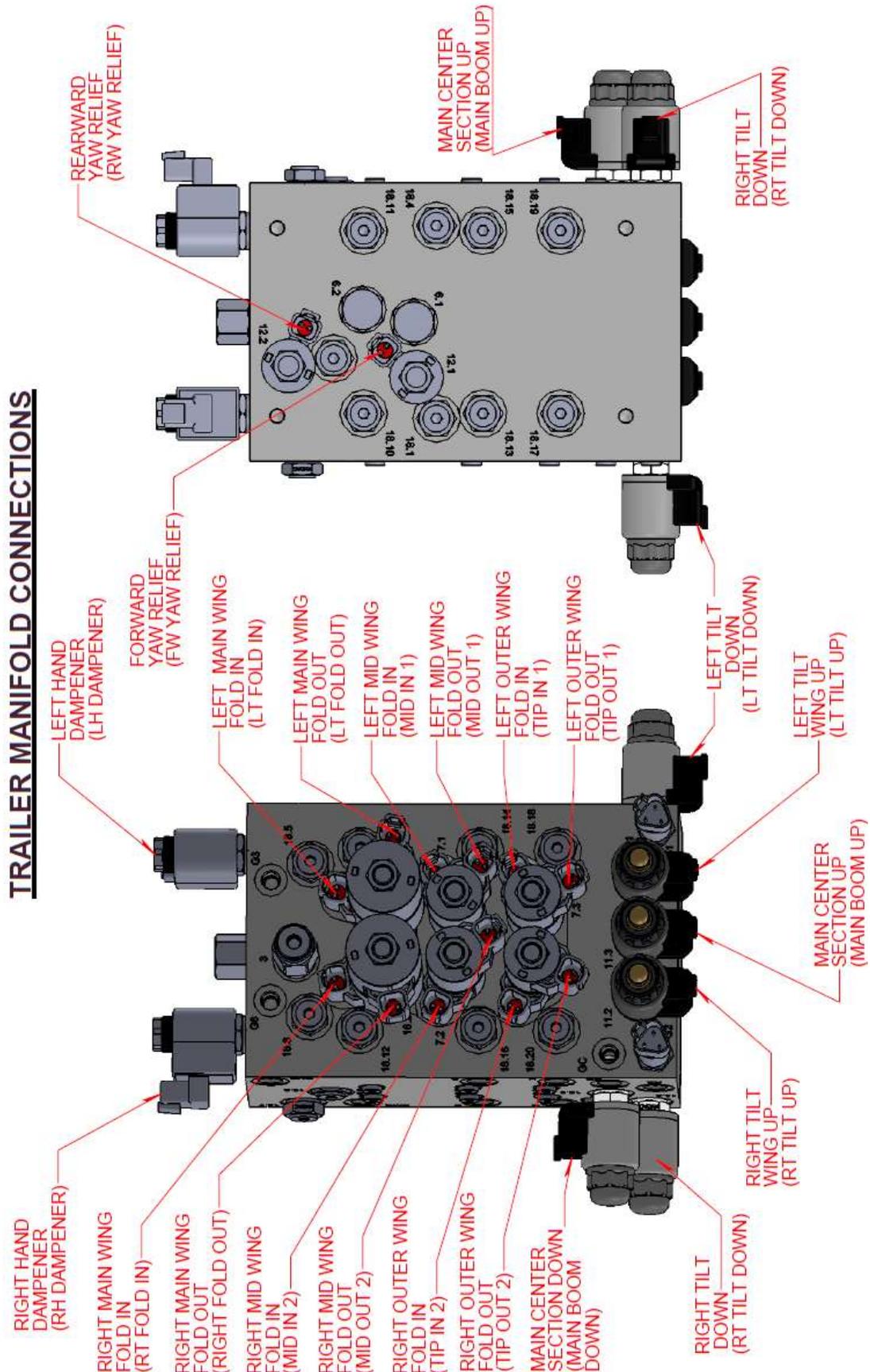
Boom Center Hydraulic Block & Fittings

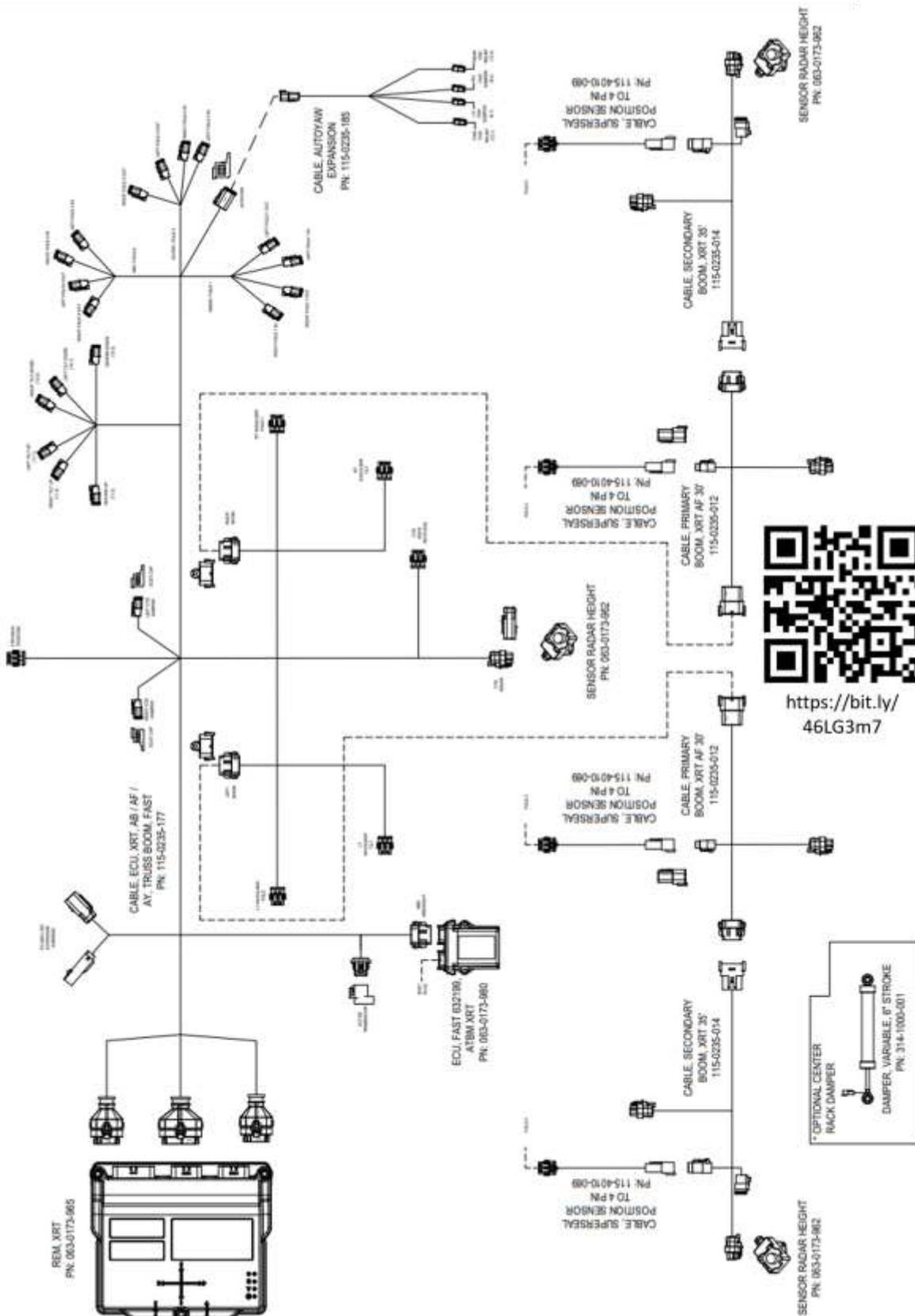


Parts List 36711: Boom Center Hydraulic Block & Fittings

ITEM	PART NO.	QTY.	DESCRIPTION
1	610008	13	ADAPTER, -4MJIC X -6MORB
2	610010	2	ADAPTER, -6MJIC X -6MORB
3	610097	2	ADAPTER, -8MJIC X -8MORB90
4	610196	1	FITTING, PLUG 04-MORB
5	631943 / 632120	1	YAW MANIFOLD

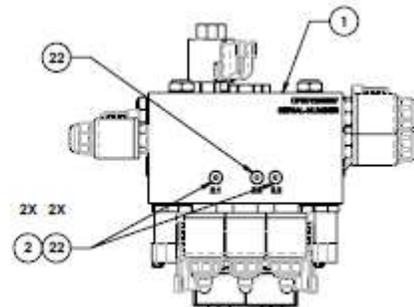
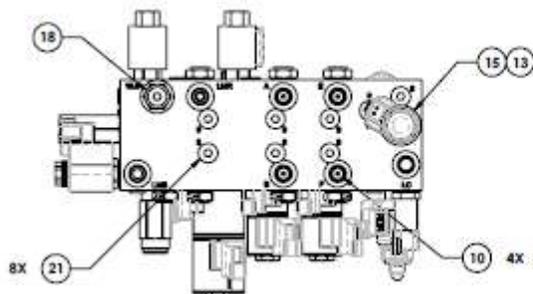
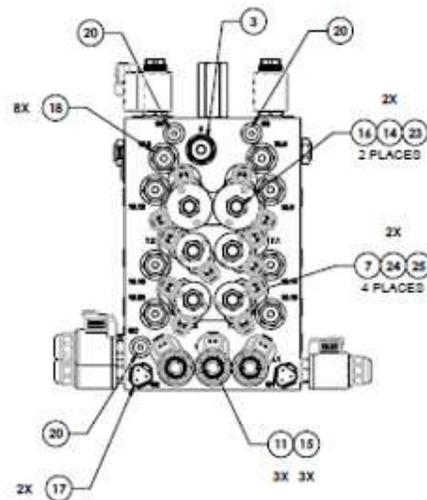
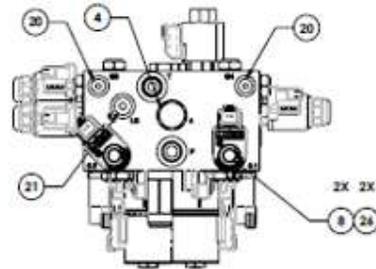
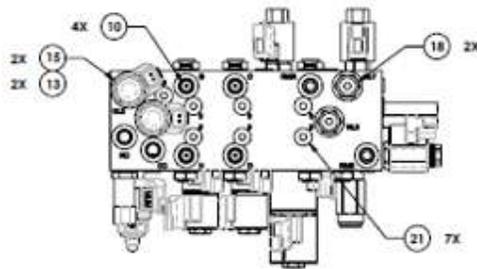
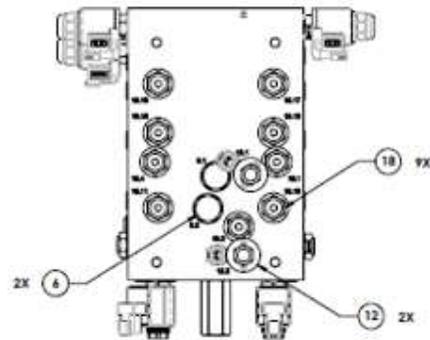
Boom Center Hydraulic Block Connections (631943 / 632120)





See <https://fastagsolutions.com/wp-content/uploads/2023/12/054-0239-100-A-AutoBoom-XRT-System-Drawing-for-Fast-MY-2024-newer.pdf>

Boom Center Hydraulic Block Breakdown

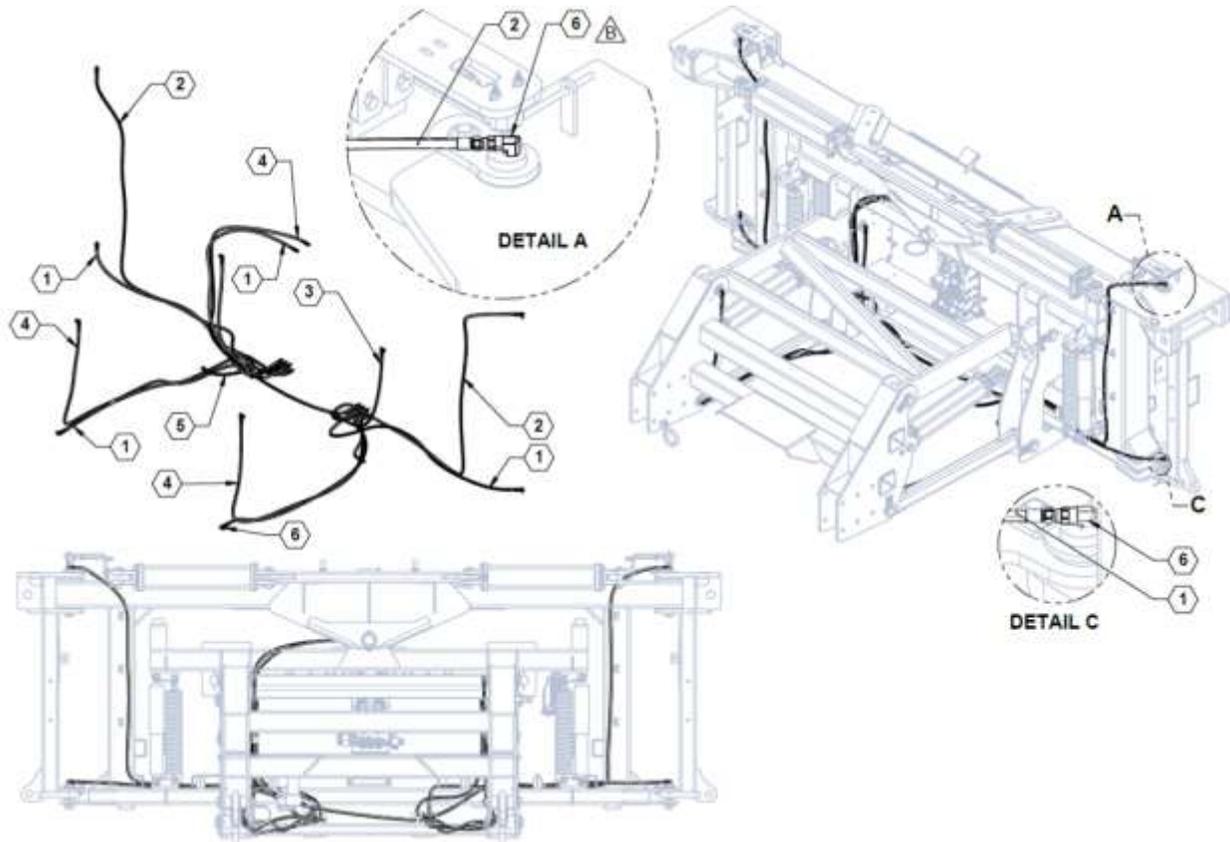


Parts List 631943 / 632120: Boom Center Hydraulic Block Breakdown

26	2	334-0002-185	COIL, 12VDC, M13, DEUTSCH, DT 04-2P, -8
25	4	334-0002-183	SPACER, COIL, ER, -8
24	8	334-0002-123	COIL, 12 VDC, ER, DEUTSCH, DT04-2P, -8
23	2	334-0002-119	SPACER, COIL, ER -10/12
22	3	333-0012-262	FITTING, PLUG, O-RING, -2
21	16	333-0012-104	FITTING, PLUG, O-RING, -6
20	5	333-0012-051	FITTING, PLUG, O-RING, -4
19	1		HYDAC 02610072 08 DOUBLE PILOT PISTON
18	20		HYDAC CHECK VALVE, RV08A-01-C-N-05
17	2	422-0000-086	PRESSURE TRANSDUCER, 4-20MA 0-3000 PSI
16	2	334-0002-182	CARTRIDGE, HYDRAULIC, PROPORTIONAL, DIRECTIONAL, 4-WAY, 3 POSITION, MOTOR SPOOL, -10
15	6	334-0002-118	COIL, 12VDC, DN-40, DEUTSCH DT04-2P CONNECTOR, -8
14	4	334-0002-117	COIL, 12 VDC, ER, DEUTSCH, DT04-2P, -10/12
13	3	334-0002-107	CARTRIDGE, HYDRAULIC, BLOCKER, DOUBLE, -08
12	2	334-0002-181	CARTRIDGE, HYDRAULIC, PROPORTIONAL RELIEF, 2-WAY NORMALLY CLOSED
11	3	334-0002-106	CARTRIDGE, HYDRAULIC, PROPORTIONAL, REDUCING/RELIEVING, -08
10	8	333-0002-222	ORIFICE, HYDRAULIC .0465 DIA. FLOATING HEX.
9	1		M&W BALL AND SPRING LOAD SENSE CHECK
8	2	334-0002-179	CARTRIDGE, HYDRAULIC DAMPENER, 2-WAY, NORMALLY OPEN W/ NUT
7	4	334-0002-148	CARTRIDGE, HYDRAULIC, PROPORTIONAL, DIRECTIONAL, 4-WAY, 3 POSITION, MOTOR SPOOL, -8
6	2	334-0002-104	CARTRIDGE, HYDRAULIC, CHECK, W/SCREEN, -10
5	1	333-0012-302	FITTING, HYDRAULIC ORIFICE, 0.020 ID, 1/4-20 UNC
4	1	334-0002-105	CARTRIDGE, HYDRAULIC, DIRECTIONAL, PILOTED, 2-WAY, 2-POSITION, NORMALLY CLOSED, -10
3	1	334-0002-178	CARTRIDGE, HYDRAULIC, RELIEF, DIRECT ACTING (2-1), -10
2	2	333-0012-284	FITTING, HYDRAULIC ORIFICE 0.060 W/ 1/4-20 THREAD
1	1	334-0002-175	MANIFOLD, HYDRAULIC, FAST, BOOM CONTROLS
ITM	QTY	PART NUMBER	DESCRIPTION

See Raven 063-0131-152

Boom Center Grease Hoses & Fittings



Parts List 600131: Boom Center Grease Hoses & Fittings

ITEM	PART NO.	QTY.	DESCRIPTION
1	600131-100	5	HOSE ASSY, 02-2NPTX-2GREASE-72
2	600131-200	2	HOSE ASSY, 02-2NPTX-2GREASE-110
3	600131-300	2	HOSE ASSY, 02-2NPTX-2GREASE-42
4	600131-400	3	HOSE ASSY, 02-2NPTX-2GREASE-88
5	600131-500	2	HOSE ASSY, 02-2NPTX-2GREASE-28
6	610184	10	FITTING, -2MPT X -2FPT 90

FOLD BOX ELECTRICAL

Cab Fold Box





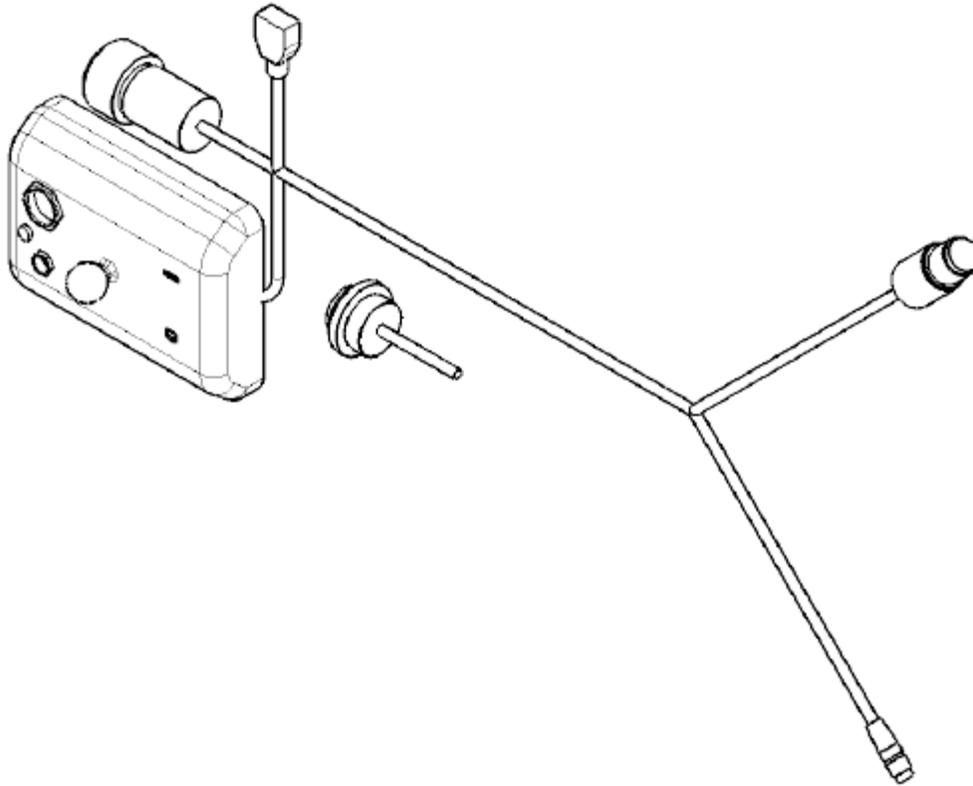
Parts List 632207: Cab Fold Box

PART #	QTY	DESCRIPTION	ITEM #
053-0159-181 (A1)	1	BOX, SHIPPING	1
115-0172-011	1	CABLE, CAN/POWER, ISO, SWITCHBOX, JOHN DEERE	2
053-0159-019	1	BOX, SHIPPING	3
053-0159-275	1	INSERT, KORRVU	4
063-0173-745	1	SWITCHBOX, FOLD, FAST ISO	5
053-0159-110	1	ENVELOPE, PLASTIC	6
311-0001-007	2	SCREW, 8-32 UNC x 5/16	7
311-0001-013	2	SCREW, 8-32 UNC x 1/2" PHL	8
313-4000-007	2	WASHER, #8 LOCK, EXT STL ZINC	9

This switchbox (063-173-745) is non-serviceable.

For the entire AutoFold kit, ask a Fast Ag Solutions Dealer for 632207.

Cab Display Raven CR7



Parts List 9920RACR7ISOPH / 9920RACR7ISOPHJD / 9920RACR7ISOH: Cab Display Raven CR7

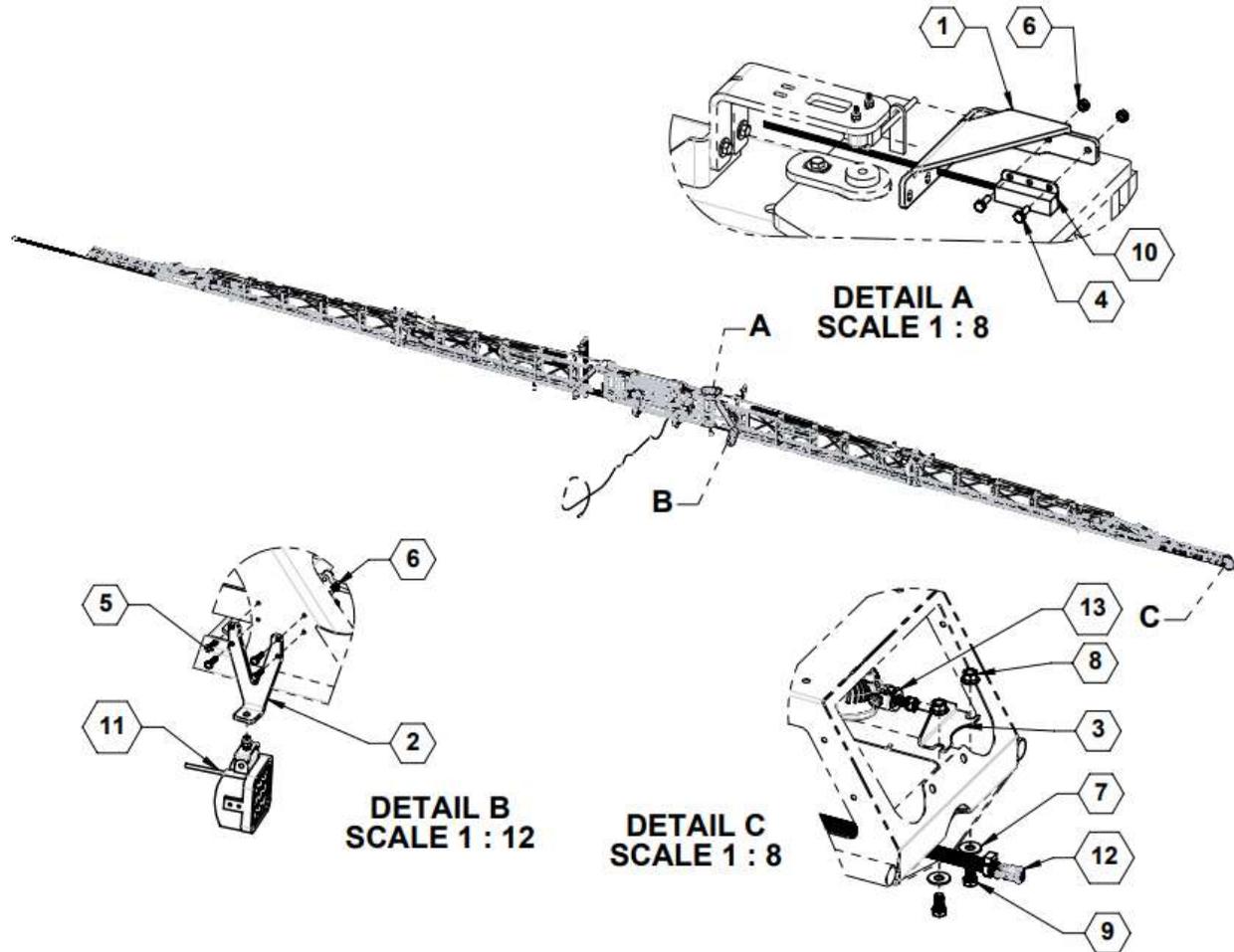
ITEM	VENDOR NO.	QTY.	DESCRIPTION
1	632063	1	RAVEN PRECISION CR7 DISPLAY
2	632066	1	CABLE, CR7 ISO VT ONLY
3	632064	1	CABLE, RAVEN ISO/POWER
	632065		CABLE, CAN/POWER OEM ISO
	632067		CABLE, DISPLAY PORT, Y ADAPTER

LIGHTS, DECALS, & TAGS

See also:

- Brake lights: [Boom Inner to P-Links](#)
- Turn signals: [Center Hinge Assembly](#)

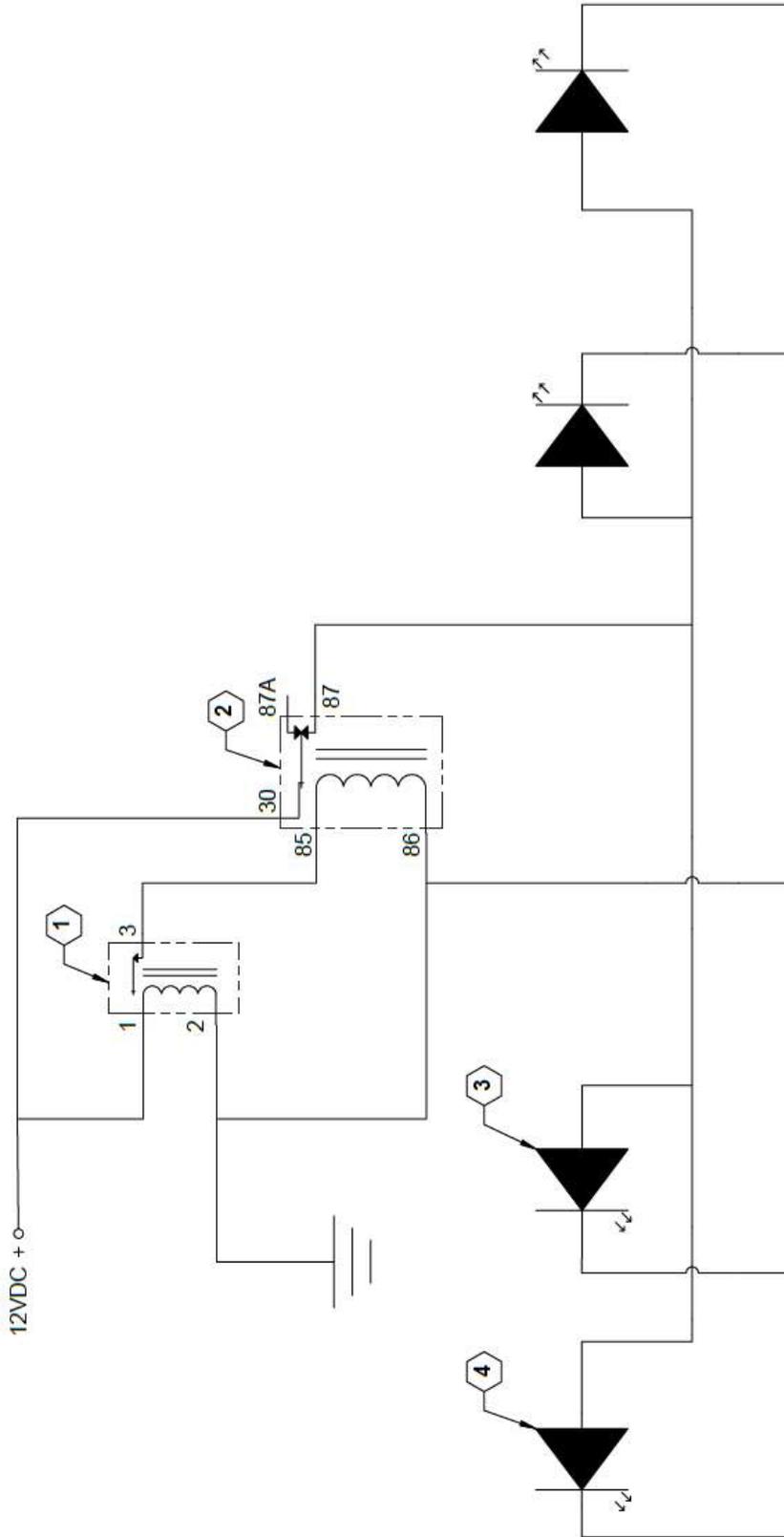
Night Lights



Parts List 36174 / 36211 / 36210: Night Lights

ITEM	PART NO.	QTY.	DESCRIPTION
1	28949	1	PLATE, PROX SWITCH MOUNT
2	36846	2	PLATE, BLUE LIGHT DROP
3	36847	2	PLATE, RED LIGHT MOUNT
4	596101M	2	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
5	596102M	8	BOLT, HH 1/4-20 X 1 GR5 MAGNI
6	596235M	10	NUT, CENTERLOCK, 1/4-20 MAGNI
7	596258M	4	WASHER, FLAT 3/8 MAGNI
8	596769M	4	NUT, HEX FLANGE 3/8-16 MAGNI
9	596818M	4	BOLT, HH 3/8-16 X 3/4 GR5 MAGNI
10	632121	1	PROX SWITCH, PARKER
11	740058	2	LARSEN BLUE LED SPRAY LIGHT
12	740076	1	HARNESS, NIGHT LIGHTS
13	740082	2	LIGHT, RED LED EDGE BEAM
NS	740083	2	(FOR 132') EXTENSION, 2P DEUTSCH HARNESS 6FT
NS	632204	2	(FOR 135') EXTENSION, 2P DEUTSCH HARNESS 20 FT

Night Light Schematic (830020)



NO.	PART	DESCRIPTION
1	632121	PROX SWITCH
2	740079	RELAY
3	740058	BLUE LED
4	740082	RED LED

UNLESS NOTED OTHERWISE DIMENSIONS ARE IN INCHES AND DECIMALS AND THE TOLERANCES ARE:

X.X: +.080
 X.XX: +.005
 X.XXX: +.005
 FRACTIONS: ± 1/16
 ANGLE: ± 1°
 DIM. IN BRACKETS ARE [MM]

DRAFTING BY: **ASN**
 7/23/2024
 ENG/DESIGNER: -

SHT. 1 of 1
 WGT: 0.00 #

MATERIAL: -

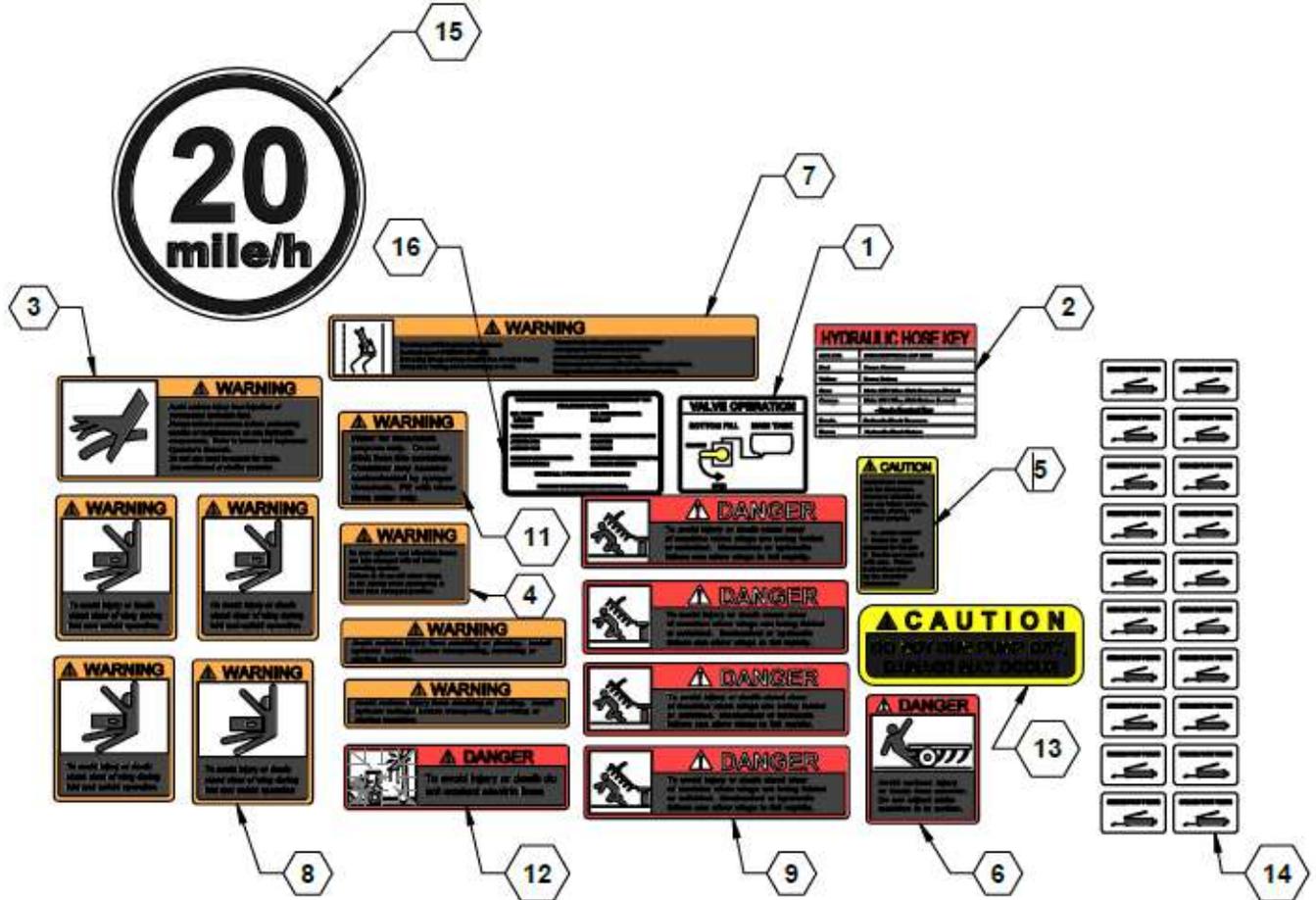
FAST AG SOLUTIONS
 1000 WESTERN PROMENADE ST. SUITE 100
 WESTLAKE, CALIFORNIA 91361-3000
 TEL: 818.351.1000
 WWW.FASTAGSOLUTIONS.COM

TITLE: **SCHEMATIC, ELECTRICAL, NIGHT LIGHT**
 S-SERIES
 PART/DRAWING NO. **830020**

REV: **A**

REV	DATE	ECO	BY	DESCRIPTION
A	7/23/2024	2587	ASN	INITIAL RELEASE

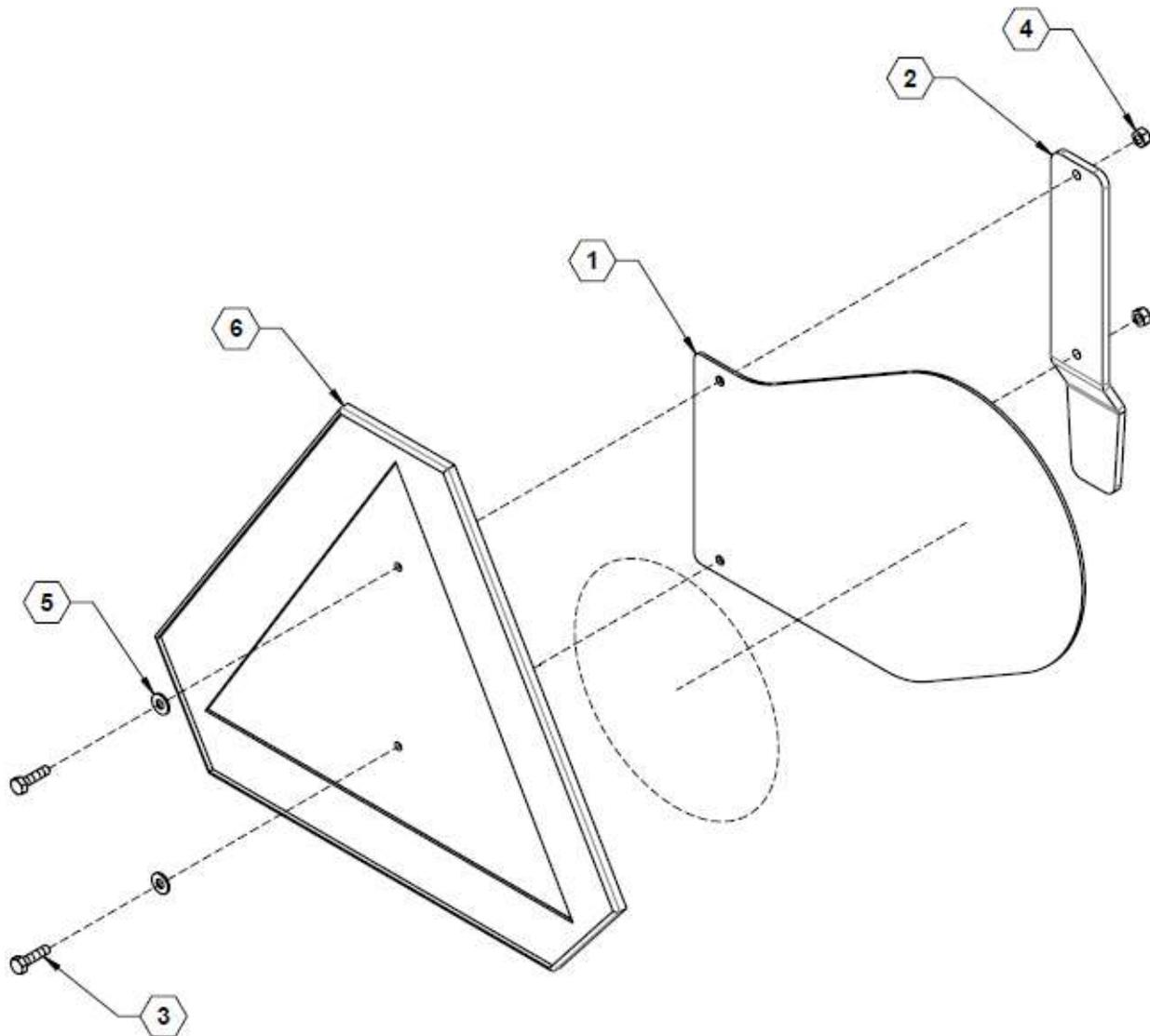
Standard Decals



Parts List 35746: Standard Decals

ITEM	PART NO.	QTY.	DESCRIPTION
1	800017	1	DECAL, MAIN TANK VALVE OPERATION
2	800087	1	DECAL, HOSE KEY
3	800098	1	DECAL, WARNING-HYDRAULIC FLUID
4	800099	1	DECAL, WARNING-CHARGE WITH OIL
5	800101	1	DECAL, CAUTION-AG CHEMICAL
6	800103	1	DECAL, DANGER-RUNOVER
7	800104	1	DECAL, WARNING-DO NOT SPEED
8	800105	4	DECAL, WARNING-STAND CLEAR
9	800106	4	DECAL, DANGER-STAND CLEAR
10	800107	2	DECAL, WARNING-AVOID CRUSHING
11	800108	1	DECAL, WARNING-RINSE TANK
12	800112	1	DECAL, DANGER, ELECTRIC LINES
13	800282	1	DECAL, DO NOT RUN PUMP DRY. ENGLISH
14	800287	20	DECAL, GREASE PIVOT POINTS
15	800306	1	DECAL, SIS, 20 mile/h
16	800338	1	DECAL, FAST PATENTS

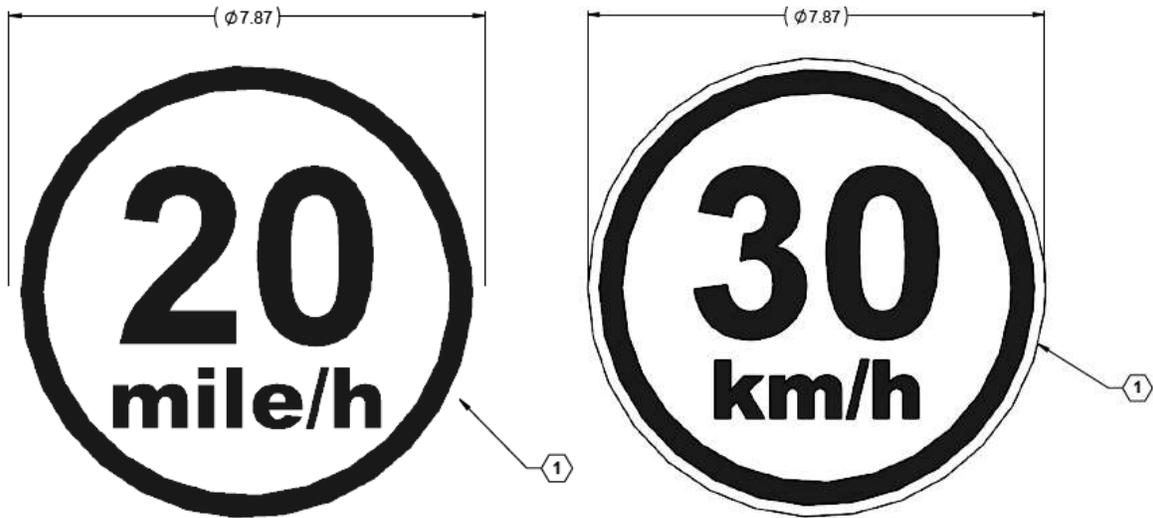
Slow-Moving-Vehicle Sign Assembly



Parts List 90SASMVWOSIS: Slow-Moving-Vehicle Sign Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	28251	1	PLATE, SIS MOUNT
2	28252	1	PLATE, SMV MOUNT
3	596102M	2	BOLT, HH 1/4-20 X 1 GR5 MAGNI
4	596227M	2	NUT, HEX NYLOCK 1/4-20 MAGNI
5	596256M	2	WASHER, FLAT 1/4 USS MAGNI
6	790017	1	SIGN, SMV PLASTIC MOLDED

Speed Decal



Parts List 800306 / 800307: Speed Decal

ITEM	PART NO.	QTY.	DESCRIPTION
1	800306	1	OPTION, 20 MILE/H DECAL
	800307	1	OPTION, 30 KM/H DECAL



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<https://fastagsolutions.com/>