



2019
TOOLBAR PARTS
MANUAL

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Table of Contents

OPENERS

- 2 Standard Opener
- 4 Mirrored Opener
- 6 Furrow Following Packer Standard
- 8 Furrow Following Packer Mirrored

FRAME

- 10 Front Hitch Bundle - Standard Hitch
& M-Fold Hitch
- 12 Frame Connections
- 13 M80/90/100 Fifth Fold Links
- 14 M50/60/70/80 CT Fifth Fold Links
- 15 Active Wing Brace
- 17 Clearance Light Mount

WHEELS

- 18 Heavy Dual Castor Bundle
- 19 Rear Walking Axle - Main Frame
- 20 Single Castor Assembly
- 21 Dual Wing Castor Assembly
- 22 Rear Wing Axle
- 23 Rear Wing Castor Assembly

OPTIONS

- 24 Pintle and Heavy Clevis Hitches
- 25 Rear Hitch Packages
- 26 Rear Hitch - Heavy Axle - JD C850
- 28 Packing Force Sensor Bundle
- 29 Smart Hitch Sensor Bundle
- Hall Effect Sensor Style
- 30 Lift Kit Bundles
- 32 Wheel, Hubs and Cylinders
- 33 Adjustable Manifold Distribution
- 34 Adjustable Manifold Distribution Mount

- 35 Quick Hose Disconnect - Dual Shoot
- 36 Quick Hose Disconnect - Single Shoot
- 37 2-1/2 IN Delivery Hose Hitch Disconnect -
T/B Nova - Dual Shoot
- 38 2-1/2 IN Delivery Hose Hitch Disconnect -
T/B Nova - Single Shoot
- 39 J Pipes layout - Dual / Single Shoot

HYDRAULIC SCHEMATICS

- 44 Main Hydraulic Block
- 46 Smart Openers Hydraulic Manifold
- 47 Openers
- 48 M-Fold Opener
- 49 Opener Spacing Locks for M80 Toolbar
- 50 Opener Spacing Locks for STD Toolbar
- 51 STD 3-Plex Wing Fold
- 52 Wide 3-Plex Wing Fold
- 53 STD 5-Plex Wing Fold
- 54 "M" Wing Fold
- 55 Smart Hitch
- 56 Lift Kit
- 57 Smart Openers - Add On
- 58 Air Tank and Compressor
- 60 Auto Zone Command Air Compressor Tank
- 62 Electrical Schematic - Air Compressor
- 63 Clearance Light

Electrical Schematics

- 65 Viper 4+ In-Cab Kit
- 66 ISO Toolbar (with Smart Openers)
- 67 ISO Toolbar with Raven VT In-Cab Kit
- 68 ISO Toolbar (ISO Cart Ready)
- 69 ISO Toolbar (Liquid ISO Cart Ready)
- 70 Smart Hitch Node and Cabling



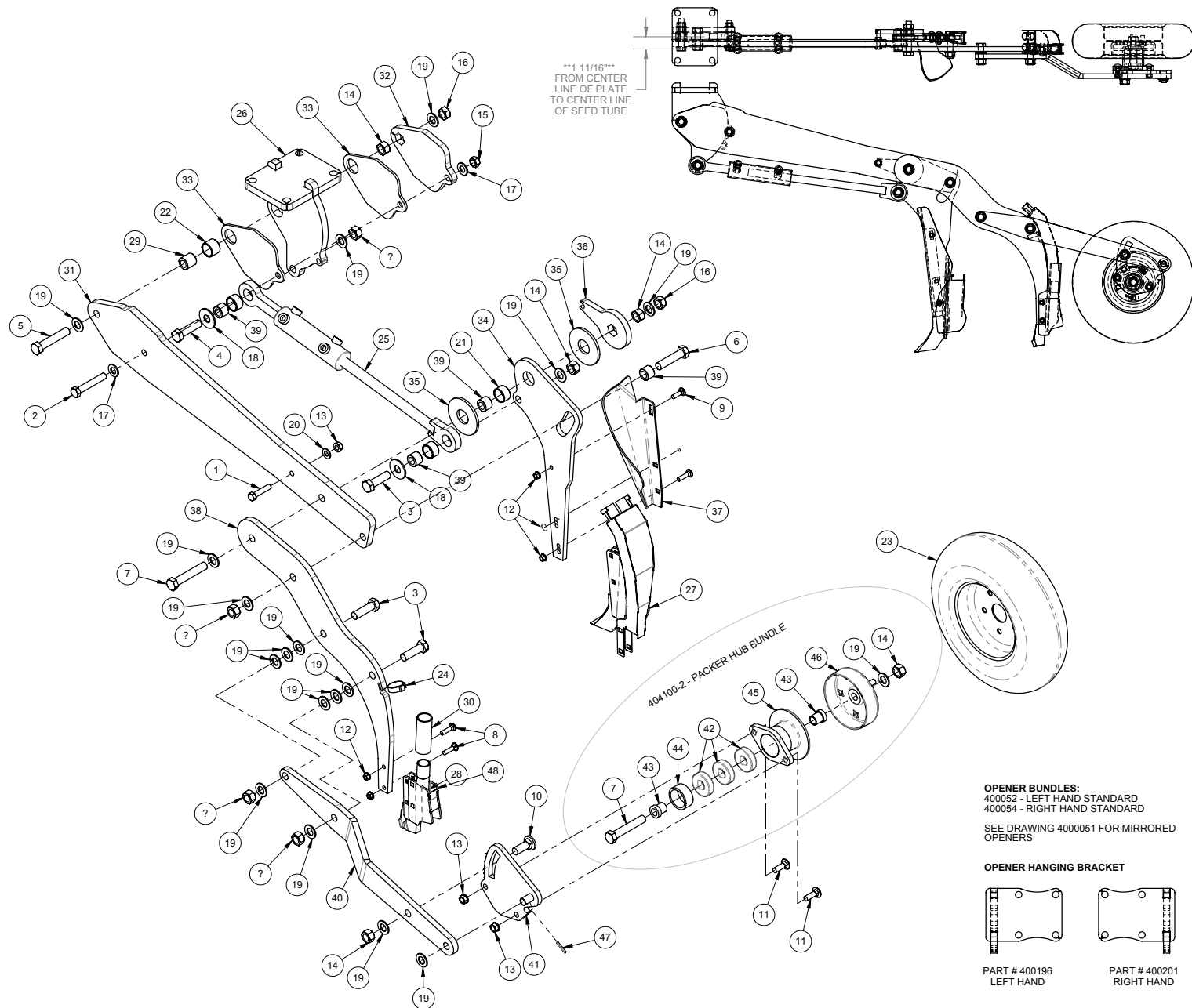
Parts Description:

Standard Opener

Used on Left Side of Toolbar

400050			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	500125	BDL, TRACK SYS - CAMOPLAST - NOVA - 100-3612
1	1	250000	BOLT, HEX 1/2 X 2 1/4 IN GR5 PL
2	1	250002	BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL
3	3	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
5	1	250025	BOLT, HEX 3/4 X 4 UNC GR5 PL
6	1	250026	BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL
7	2	250049	BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL
8	4	250100	BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL
9	1	250101	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL
10	1	250102	BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL
11	2	250104	BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL
12	5	250400	NUT, FLANGE - 3/8 UNC PL
13	3	250401	NUT, FLANGE - 1/2 UNC PL
14	9	250451	NUT, HEX 3/4 UNC GR5 PL
15	1	250500	NUT, LOCK 5/8 UNC - STOVER - PL
16	2	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
17	2	250550	WASHER, FLAT 5/8 IN GR8 PL
18	2	250551	WASHER, FLAT 3/4 IN PL
19	18	250552	WASHER, FLAT 3/4IN GR8 PL
20	1	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
21	3	250601	BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX
22	1	250604	BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX
23	1	255000	ASSY, TIRE - 4.8 X 8 - CARLISLE
24	1	256603	CLAMP, GEAR - S/S - 1 IN - HAS-16
25	1	258500	CYL, HYD 1 3/4 X 4 IN - OPENER
26	1	400191	ASSY, HANGER - OPENER - CTR - YEL
27	1	400202	ASSY, FERT KNIFE - EXTENDED WEAR - BLK
28	1	400222	BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN
29	1	400230-1	PLATE, ARM 3/4 IN - MAIN - YEL
30	1	400231-1	PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL
31	2	400232	PAD, WEAR 1/4 IN - UHMW
32	1	400233-2	PLATE, FERT TRIP 1/2IN - YEL
33	2	400234-1	WASHER, TRIP 1/4 IN - UHMW
34	1	400235-2	PLATE, TRIP WASHER 5/8 IN - YEL
35	1	400236-4	SHEET, FRMD 10 GA - RESIDUE DEFLECTOR - STAINLESS
36	1	400237-3	PLATE, SEED KNIFE HOLDER - YEL
37	4	400241-2	BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN
38	1	400266	FORMED PACKER ARM
39	1	400132	ASS'Y, PLATE, DEPTH ADJ 1/2 IN - OPENER - LH
40	3	250705	BEARING, BALL - BEI 6305 2RS
41	2	404104-1	BUSH, SPACER - INNER - PACKER HUB
42	1	404105-1	BUSH, SPACER - OUTER - PACKER HUB
43	1	404115	HUB, PACKER WHEEL - CASTING
44	1	404120-2	PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS
45	1	250607	PIN, SPRING - 3/16 X 1 1/4 IN
46	1	404170	ASSY, SEED KNIFE - DUAL SEED HOSE - RH - BLK
400185 (Opener Cylinder Hardware Bundle)			
ITEM	QTY.	PART NO.	DESCRIPTION
3	1	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
14	2	250451	NUT, HEX 3/4 UNC GR5 PL
18	2	250551	WASHER, FLAT - 3/4 IN PL
19	2	250552	WASHER, FLAT 3/4IN GR8 PL
21	2	250601	BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX
39	2	400241-2	BUSH, CYL SPACER 1.24OD X .77ID X .9IN - PLATE





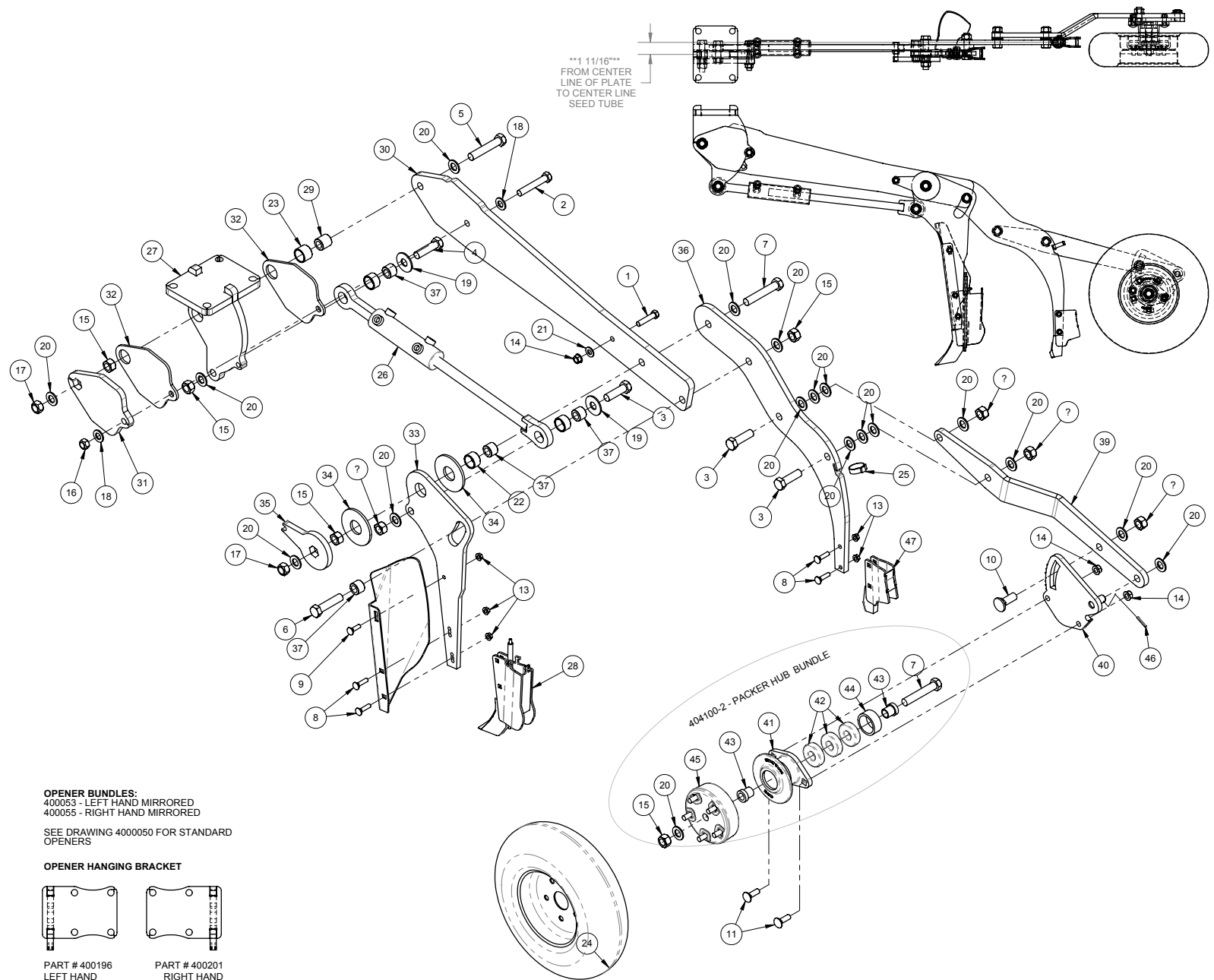
Parts Description:

Mirrored Opener

Used on Right Side of Toolbar

400051			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250000	BOLT, HEX 1/2 X 2 1/4 IN GR5 PL
2	1	250002	BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL
3	3	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
5	1	250025	BOLT, HEX 3/4 X 4 UNC GR5 PL
6	1	250026	BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL
7	2	250049	BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL
8	4	250100	BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL
9	1	250101	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL
10	1	250102	BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL
11	2	250104	BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL
12	5	250400	NUT, FLANGE - 3/8 UNC PL
13	3	250401	NUT, FLANGE - 1/2 UNC PL
14	9	250451	NUT, HEX 3/4 UNC GR5 PL
15	1	250500	NUT, LOCK 5/8 UNC - STOVER - PL
16	2	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
17	2	250550	WASHER, FLAT 5/8 IN GR8 PL
18	2	250551	WASHER, FLAT 3/4 IN PL
19	18	250552	WASHER, FLAT 3/4IN GR8 PL
20	1	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
21	3	250601	BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX
22	1	250604	BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX
23	1	255000	ASSY, TIRE - 4.8 X 8 - CARLISLE
24	1	256603	CLAMP, GEAR - S/S - 1 IN - HAS-16
25	1	258500	CYL, HYD 1 3/4 X 4 IN - OPENER
26	1	400191	ASSY, HANGER - OPENER - CTR - YEL
27	1	400202	ASSY, FERT KNIFE - EXTENDED WEAR - BLK
28	1	400222	BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN
29	1	400230-1	PLATE, ARM 3/4 IN - MAIN - YEL
30	1	400231-1	PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL
31	2	400232	PAD, WEAR 1/4 IN - UHMW
32	1	400233-2	PLATE, FERT TRIP 1/2IN - YEL
33	2	400234-1	WASHER, TRIP 1/4 IN - UHMW
34	1	400235-2	PLATE, TRIP WASHER 5/8 IN - YEL
35	1	400237-3	PLATE, SEED KNIFE HOLDER - YEL
36	4	400241-2	BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN
37	1	400246	PLATE, FRMD 10GA S.S. - DEFLECTOR MIRROR
38	1	400366	FORMED PACKER ARM
39	1	400133	ASSY, QUICK DEPTH ADJUSTMENT - RH
40	1	404115	HUB, PACKER WHEEL - CASTING
41	3	250705	BEARING, BALL - BEI 6305 2RS
42	2	404104-1	BUSH, SPACER - INNER - PACKER HUB
43	1	404105-1	BUSH, SPACER - OUTER - PACKER HUB
44	1	404120-2	PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS
45	1	250607	PIN, SPRING - 3/16 X 1 1/4 IN
46	1	404171	ASSY, SEED KNIFE - DUAL SEED HOSE - LH - BLK
46	1	404170	ASSY, SEED KNIFE - DUAL SEED HOSE - RH - BLK



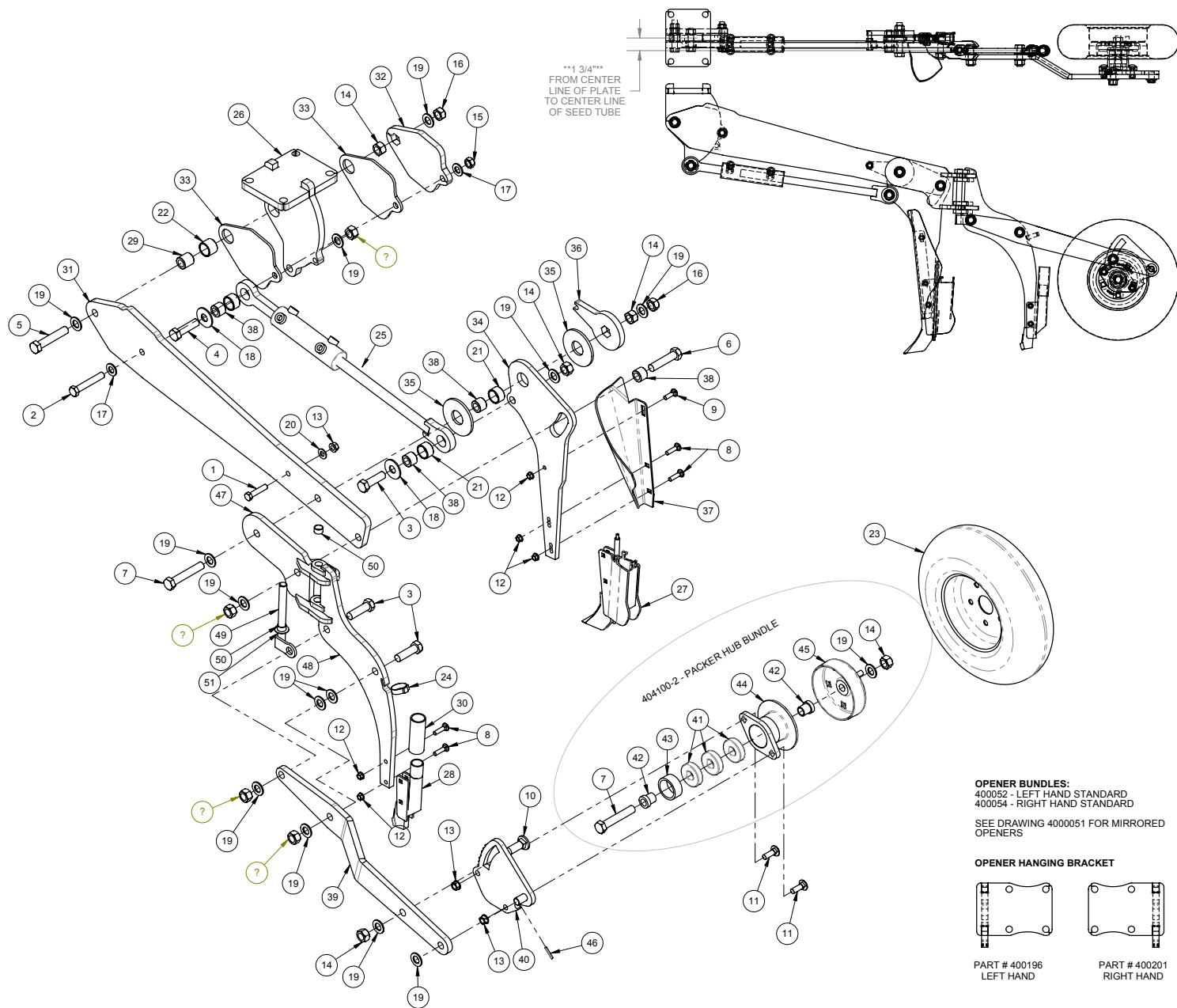


Parts Description:

Furrow Following Packer Standard

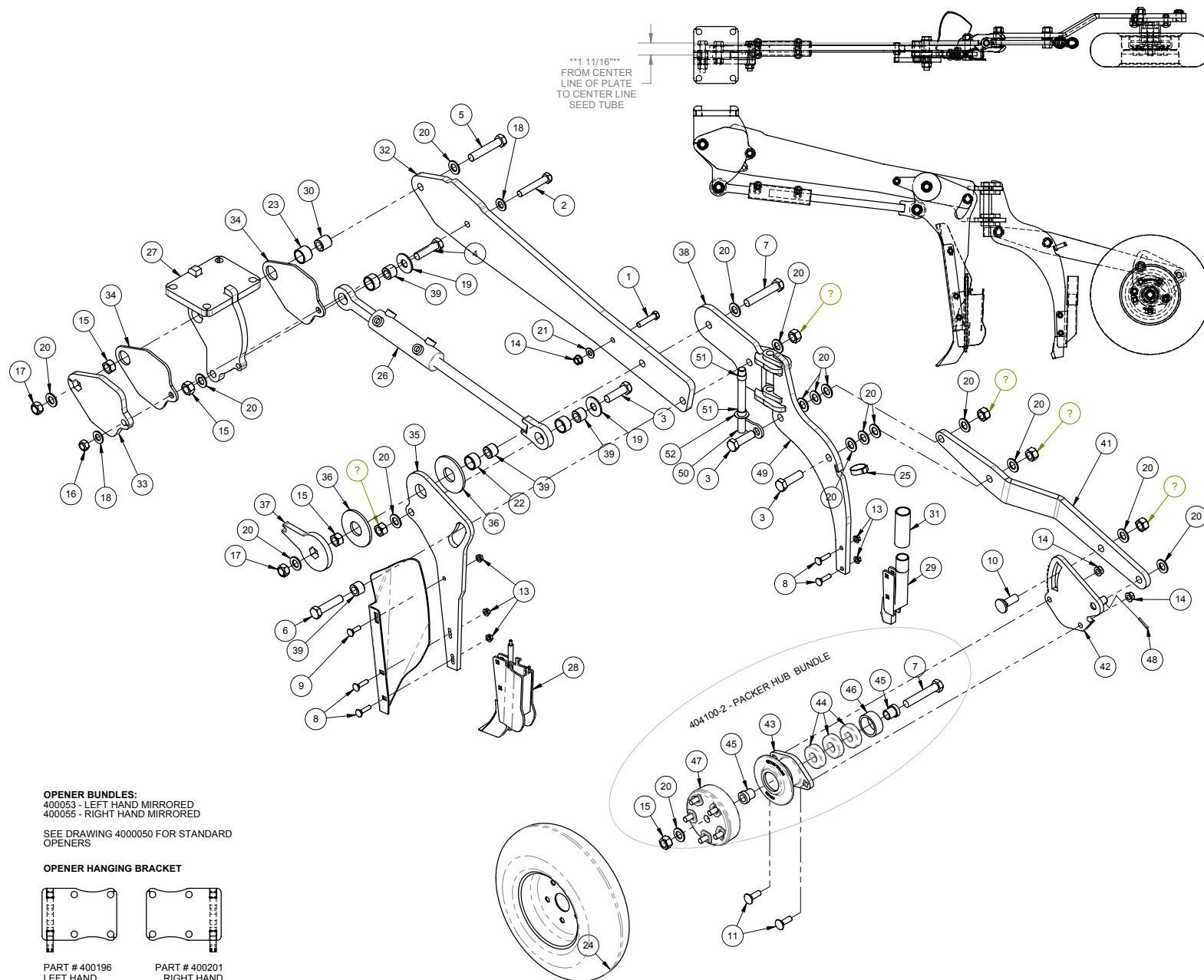
400070			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250000	BOLT, HEX 1/2 X 2 1/4 IN GR5 PL
2	1	250002	BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL
3	3	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
5	1	250025	BOLT, HEX 3/4 X 4 UNC GR5 PL
6	1	250026	BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL
7	2	250049	BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL
8	4	250100	BOLT, CARRIAGE - 3/8 X 1 1/2 IN UND GR5 PL
9	1	250101	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL
10	1	250102	BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL
11	2	250104	BOLT, CARRIAGE - 1/2 X 1 1/2 IN UNC GR5 PL
12	5	250400	NUT, FLANGE - 3/8 UNC PL
13	3	250401	NUT, FLANGE - 1/2 UNC PL
14	9	250451	NUT, HEX 3/4 UNC GR5 PL
15	1	250500	NUT, LOCK 5/8 UNC - STOVER - PL
16	2	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
17	2	250550	WASHER, FLAT 5/8 IN GR8 PL
18	2	250551	WASHER, FLAT 3/4 IN PL
19	14	250552	WASHER, FLAT 3/4 IN GR8 PL
20	1	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
21	3	250601	BUSH, 1 1/2 OD X 1 1/4 ID X 7/8 IN - CONNEX
22	1	250604	BUSH, 1 1/2 OD X 1 1/4 ID X 1 1/8 IN - CONNEX
23	1	255000	ASSY, TIRE - 4.8 X 8 - CARLISLE
24	1	256603	CLAMP, GEAR - S/S - 1 IN - HAS-16
25	1	258500	CYL, HYD 1 3/4 X 4 IN - OPENER
26	1	400191	ASSY, HANGER - OPENER - CTR - YEL
27	1	400202	ASSY, FERT KNIFE - EXTENDED WEAR - BLK
28	1	400222	BUSH, PIVOT SPACER 1 1/4 OD X .77 ID X 1.25 IN
29	1	400230-1	PLATE, ARM 3/4 IN - MAIN - YEL
30	1	400231-1	PLATE, CLAMP 5/8 IN - UHMW HOLDER - YEL
31	2	400232	PAD, WEAR 1/4 IN - UHMW
32	1	400233-2	PLATE, FERT TRIP 1/2 IN - YEL
33	2	400234-1	WASHER, TRIP 1/4 IN - UHMW
34	1	400235-2	PLATE, TRIP WASHER 5/8 IN - YEL
35	1	400236-4	SHEET, FRMD 10 GA - RESIDUE DEFLECTOR - STAINLESS
36	4	400241-2	BUSH, CYL SPACER 1.124 OD X .77 ID X .9 IN
37	1	400266	FORMED PACKER ARM
38	1	400132	ASS'Y, PLATE, DEPTH ADJ 1/2 IN - OPENER - LH
39	3	250705	BEARING, BALL - BEI 6305 2RS
40	2	404104-1	BUSH, SPACER - INNER - PACKER HUB
41	1	404105-1	BUSH, SPACER - OUTER - PACKER HUB
42	1	404115	HUB, PACKER WHEEL - CASTING
43	1	404120-1	CASTING, WHEEL PLATE - OPENER ASSEMBLY - YEL
44	1	250607	PIN, SPRING - 3/16 X 1 1/4 IN
45	1	400080	ASSY, SEED KNIFE HOLDER - TOP - SWIVEL OPENER - YEL
46	1	400085	ASSY, SEED KNIFE HOLDER - BTM - STANDARD - SWIVEL OPENER - YEL
47	1	400095	ASSY, PIVOT PIN - STANDARD - SWIVEL OPENER - S.S.
48	2	250686	BUSH, 7/8 OD X 3/4 ID X 1/2 IN - IGUS - JSI-1214-08
49	1	250685	WASHER, THRUST 1.42 OD X 0.79 ID X .060 - IGUS JTM-2036-015
50	1	404170	ASSY, SEED KNIFE - DUAL SEED HOSE - RH - BLK

400185 (Opener Cylinder Hardware Bundle)			
ITEM	QTY.	PART NO.	DESCRIPTION
3	1	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
14	2	250451	NUT, HEX 3/4 UNC GR5 PL
18	2	250551	WASHER, FLAT - 3/4 IN PL
19	2	250552	WASHER, FLAT 3/4 IN GR8 PL
21	2	250601	BUSH, 1 1/2 OD X 1 1/4 ID X 7/8 IN - CONNEX
39	2	400241-2	BUSH, CYL SPACER 1.24 OD X .77 ID X .9 IN - PLATE



Parts Description: Furrow Following Packer Mirrored

400071			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250000	BOLT, HEX 1/2 X 2 1/4 IN GR5 PL
2	1	250002	BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL
3	3	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
4	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
5	1	250025	BOLT, HEX 3/4 X 4 UNC GR5 PL
6	1	250026	BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL
7	2	250049	BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL
8	4	250100	BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL
9	1	250101	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL
10	1	250102	BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL
11	2	250104	BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL
12	5	250105	BOLT, CARRIAGE - 1/2 X 1 1/4IN UNC GR5 PL
13	5	250400	NUT, FLANGE - 3/8 UNC PL
14	3	250401	NUT, FLANGE - 1/2 UNC PL
15	9	250451	NUT, HEX 3/4 UNC GR5 PL
16	1	250500	NUT, LOCK 5/8 UNC - STOVER - PL
17	2	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
18	2	250550	WASHER, FLAT 5/8 IN GR8 PL
19	2	250551	WASHER, FLAT 3/4 IN PL
20	18	250552	WASHER, FLAT 3/4IN GR8 PL
21	1	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
22	3	250601	BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX
23	1	250604	BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX
24	1	255000	ASSY, TIRE - 4.8 X 8 - CARLISLE
25	1	256603	CLAMP, GEAR - S/S - 1 IN - HAS-16
26	1	258500	CYL, HYD 1 3/4 X 4 IN - OPENER
27	1	400191	ASSY, HANGER - OPENER - CTR - YEL
28	1	400202	ASSY, FERT KNIFE - EXTENDED WEAR - BLK
29	1	400222	BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN
30	1	400230-1	PLATE, ARM 3/4 IN - MAIN - YEL
31	1	400231-1	PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL
32	2	400232	PAD, WEAR 1/4 IN - UHMW
33	1	400233-2	PLATE, FERT TRIP 1/2IN - YEL
34	2	400234-1	WASHER, TRIP 1/4 IN - UHMW
35	1	400235-2	PLATE, TRIP WASHER 5/8 IN - YEL
36	1	400081	ASSY, SEED KNIFE HOLDER - TOP - MIRROR - SWIVEL OPENER - YEL
37	4	400241-2	BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN
38	1	400246	PLATE, FRMD 10GA S.S. - DEFLECTOR MIRROR
39	1	400366	FORMED PACKER ARM
40	1	400133	ASS'Y, QUICK DEPTH ADJUSTMENT - RH
41	1	404115	HUB, PACKER WHEEL - CASTING
42	3	250705	BEARING, BALL - BEI 6305 2RS
43	2	404104-1	BUSH, SPACER - INNER - PACKER HUB
44	1	404105-1	BUSH, SPACER - OUTER - PACKER HUB
45	1	404120-2	PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS
46	1	250607	PIN, SPRING - 3/16 X 1 1/4 IN
47	1	400086	ASSY, SEED KNIFE HOLDER - BTM - MIRROR - SWIVEL OPENER - YEL
48	1	400096	ASSY, PIVOT PIN - MIRROR - SWIVEL OPENER - YEL
49	2	250686	BUSH, 7/8 OD X 3/4 ID X 1/2 IN - IGUS - JSI-1214-08
50	1	250685	WASHER, THRUST 1.42 OD X 0.79 ID X .060 - IGUS JTM-2036-015
51	1	404171	ASSY, SEED KNIFE - DUAL SEED HOSE - LH - BLK



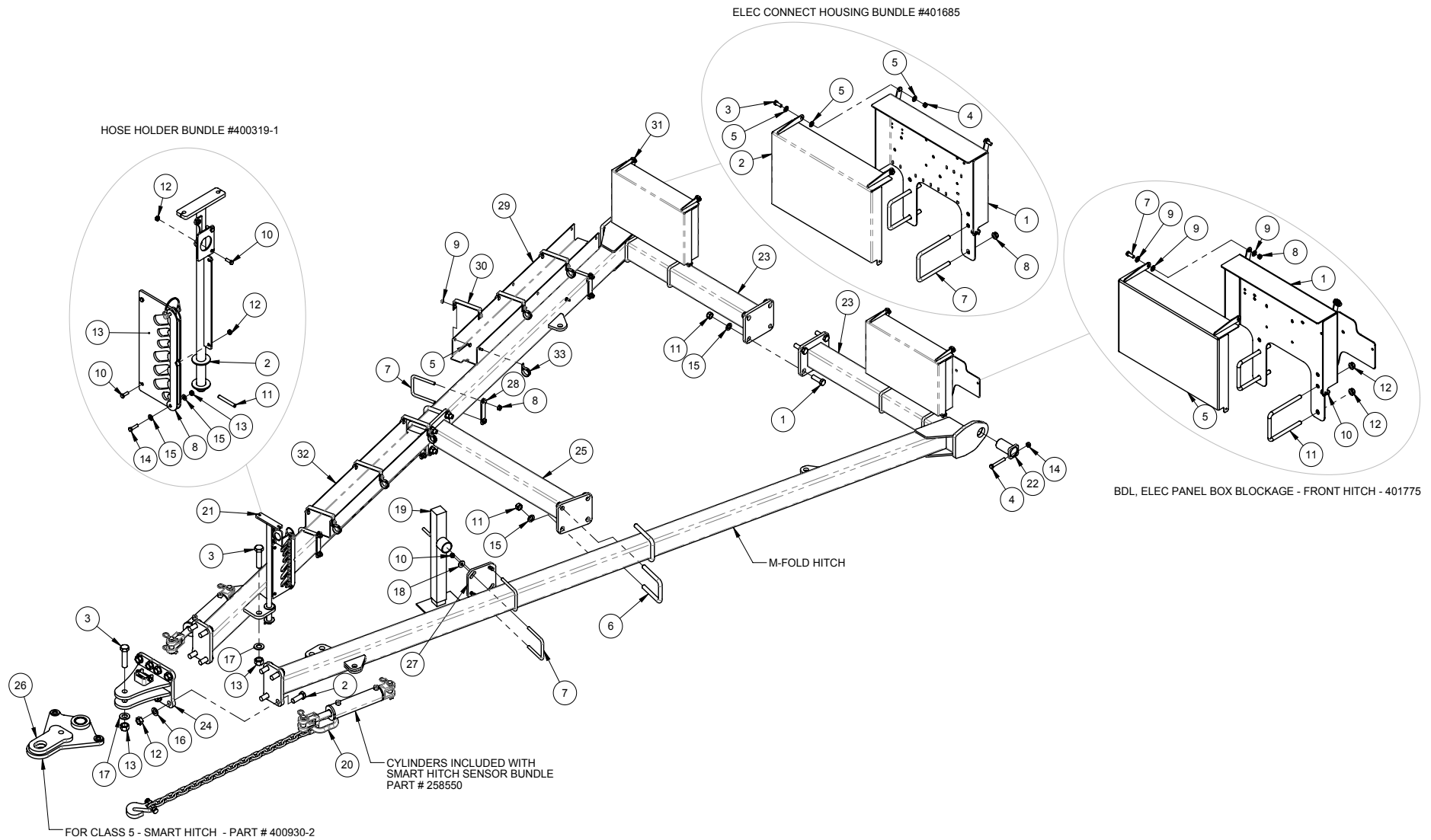
Parts Description:

Front Hitch Bundle

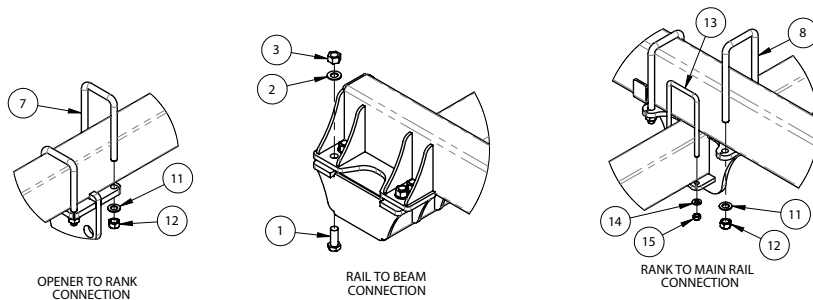
Part Number: 404275-1 – Standard Hitch
407250-1 – M-Fold Hitch

404250-1 - M-Fold Hitch			
ITEM	QTY.	PART NO.	DESCRIPTION
1	4	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
2	8	250007	BOLT, HEX 7/8 X 2 1/2 UNC GR5 PL
3	2	250032	BOLT, HEX 1 X 4 IN UNC GR5 PL
4	3	250050	BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL
5	12	250106	BOLT, CARRIAGE - 5/16 X 3/4 IN UNC GR5 PL
6	4	250201	BOLT, U-SQ - 3/4 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
7	6	250208	BOLT, U-SQ - 1/2 UNC X 4 ID X 5 IN - 2 IN THD - GR8 PL
8	8	250401	NUT, FLANGE - 1/2 UNC PL
9	12	250403	NUT, FLANGE - 5/16 UNC PL
10	4	250450	NUT, HEX 1/2 UNC GR5 PL
11	12	250451	NUT, HEX 3/4 UNC GR5 PL
12	8	250452	NUT, HEX - 7/8 UNC PL
13	2	250457	NUT, HEX 1 UNC GR5 PL
14	3	250504	NUT, LOCK - 1/2 UNC - STOVER - PL
15	12	250552	WASHER, FLAT 3/4IN GR8 PL
16	8	250553	WASHER, FLAT 7/8IN GR8 PL
17	2	250554	WASHER, FLAT - 1 IN GR8 PL
18	4	250556	WASHER, FLAT - 1/2 IN - PL
19	1	254503	HITCH JACK - 5000 LB - SIDE WIND - W/OUTER BUSHING
20	1	254552	SAFETY CHAIN, GR70 X 6 FT - 41000LB
21	1	400319-1	BDL, HOSE HOLDER - FRT HITCH
22	3	400725	ASSY, HINGE PIN - SEED MASTER - BLK
23	2	407251	ASSY, SIDE A-FRAME SMART HITCH
24	1	404285	ASSY, FRT TONGUE - SMART HITCH
25	1	407255	CROSS TUBE ASSY.
26	1	404295-1	ASSY, FRONT PIVOT PLATE - SMART HITCH - YEL
27	1	404300	ADJUSTABLE JACK PLATE
28	4	404312	PLATE, 1/4 IN HOSE HOLDER U-BOLT TAB
29	1	407271-2	SHEET, 12 GA FRMD BACK HOSE HOLDER - OPEN - BLK
30	6	407272	SHEET, FRMD 12 GA - HOSE HOLDER STRAP - BLK
31	1	401685	BDL, ELEC CONNECT HOUSING - FRONT HITCH
32	1	407270-2	SHEET, 12 GA FRMD HOSE HOLDER - OPEN
33	6	250533	CLAMP, LOOP - 1 1/2 INSULATED
STANDARD HITCH - PART #404275-1 (SUBSTITUTE ITEMS BELOW AND SUBTRACT #32 (407270-2))			
ITEM	QTY.	PART NO.	DESCRIPTION
23	2	404276	ASSY, SIDE A-FRAME SMART HITCH
25	1	404290	ASSY, MIDDLE CROSS TUBE - SMART HITCH

ELEC CONNECT HOUSING BUNDLE - PART #401685			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401693	ASSY, ELEC CONNECT HOUSING - BACK PANEL - BLK
2	1	401694	ASSY, ELEC CONNECT HOUSING - FRONT PANEL - BLK
3	2	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
4	2	250503	NUT, LOCK - 3/8 UNC - STOVER - PL
5	6	250557	WASHER, FLAT - 3/8 IN GR8 PL
6	1	250597	PIN, QUICK/LINCH - 1/8 X 1IN EFF.
7	2	250223	BOLT, U-SQ - 1/2 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
8	4	250401	NUT, FLANGE - 1/2 UNC PL
HOSE HOLDER BUNDLE - PART #400319-1			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	400320-4	ASSY, HOSE HOLDER - FRT HITCH - BLK
2	1	400421	PLATE, 1/4 IN - HOSE HOLDER - BLK
3	1	400327	ASSY, LOCK BAR - HOSE HOLDER - BLK
4	1	400422	SHEET, 10 GA - ISO BULKHEAD - BLK
5	4	250122	BOLT, HEX 1/4 X 3/4 IN GR5 PL
6	1	250600	PIN, SPRING - 5/16 X 2 1/2 IN - PL
7	4	250458	NUT, HEX - 1/4 UNC PL
8	1	250507	NUT, LOCK - 1/4 UNC - STOVER - PL
9	1	250033	BOLT, HEX 1/4 X 1 IN GR5 PL
10	3	250559	WASHER, FLAT - 1/4 IN - PL
11	1	250594	PIN, QUICK/LOCK - 1/4 X 1 3/4 IN EFF - ROUND
12	1	250554	WASHER, FLAT - 1 IN GR8 PL
13	1	259116	DECAL, HOSE HOLDER - FRT HITCH
ELEC PANEL BOX BLOCKAGE FRONT HITCH			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401772	ASSY, FRONT HITCH - BACK PANEL XEEDGATE - BLK
2	1	401694	ASSY, ELEC CONNECT HOUSING - FRONT PANEL - BLK
3	2	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
4	2	250503	NUT, LOCK - 3/8 UNC - STOVER - PL
5	6	250557	WASHER, FLAT - 3/8 IN GR8 PL
6	1	250597	PIN, QUICK/LINCH - 1/8 X 1IN EFF.
7	2	250223	BOLT, U-SQ - 1/2 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
8	4	250401	NUT, FLANGE - 1/2 UNC PL



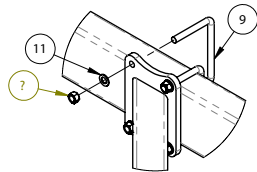
Parts Description: Frame Connections



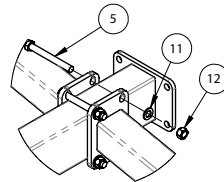
OPENER TO RANK
CONNECTION

RAIL TO BEAM
CONNECTION

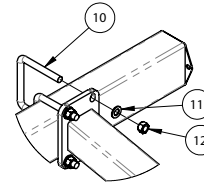
RANK TO MAIN RAIL
CONNECTION



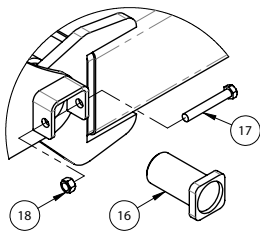
ANGLE BRACKET TO
RAIL CONNECTION



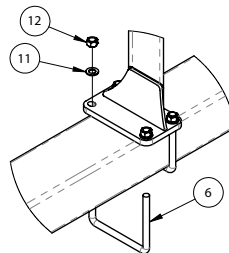
RANK SUPPORT
CONNECTION 1
(IF SUPPORTS DO NOT
LINE UP USE RANK
SUPPORT CONNECTION 2)



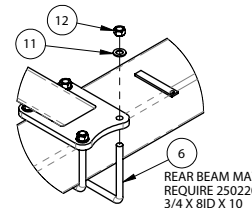
RANK SUPPORT
CONNECTION 2



HINGE PIN
CONNECTION



ANGLE BRACKET TO
BEAM CONNECTION



MAIN WING STOP TO
BEAM CONNECTION

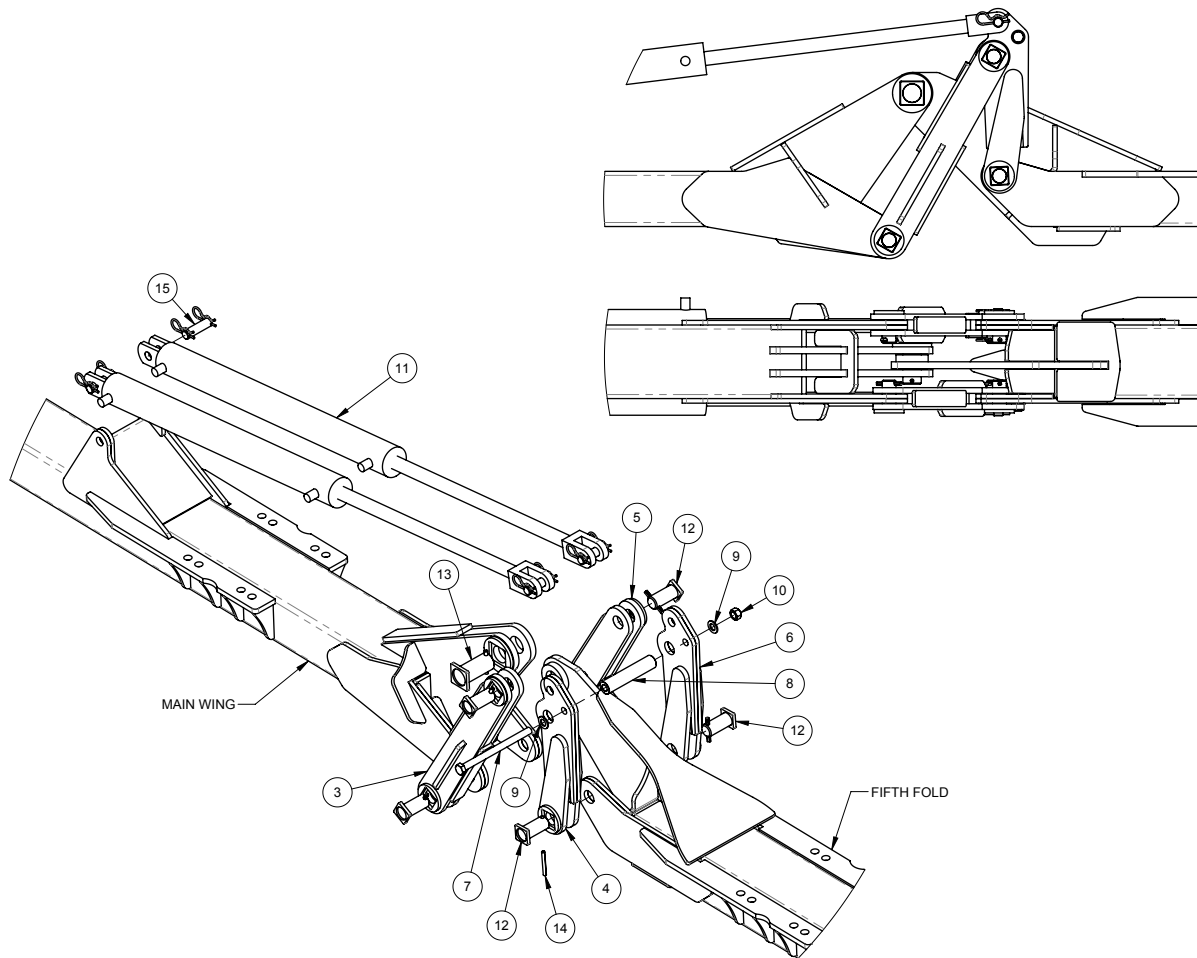
REAR BEAM MAY
REQUIRE 250220
3/4 X 8ID X 10

ITEM	QTY.	PART NO.	DESCRIPTION
1	8	250006	BOLT, HEX 7/8 X 2 1/4 UNC GR5 PL
2	8	250553	WASHER, FLAT 7/8IN GR8 PL
3	8	250452	NUT, HEX - 7/8 UNC PL
4	4	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL
5	4	250057	BOLT, HEX 3/4 X 6 1/2 UNC GR5 PL
6	6	250202	BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL
7	6	250204	BOLT, U-SQ - 3/4 UNC X 4 ID X 8 IN - 2 IN THD - GR8 PL
8	2	250206	BOLT, U-SQ - 3/4 UNC X 4 ID X 10 IN - 2 IN THD - GR8 PL
9	4	250209	BOLT, U-SQ - 3/4 UNC X 8 ID X 6 IN - 2 IN THD - GR8 PL
10	2	250210	BOLT, U-SQ - 3/4 UNC X 6 ID X 6 IN - 2 IN THD - GR8 PL
11	48	250552	WASHER, FLAT 3/4IN GR8 PL
12	48	250451	NUT, HEX 3/4 UNC GR5 PL
13	2	250218	BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL
14	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
15	4	250450	NUT, HEX 1/2 UNC GR5 PL
16	1	400725	ASSY, HINGE PIN - SEED MASTER - BLK
17	1	250050	BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL
18	1	250504	NUT, LOCK - 1/2 UNC - STOVER - PL



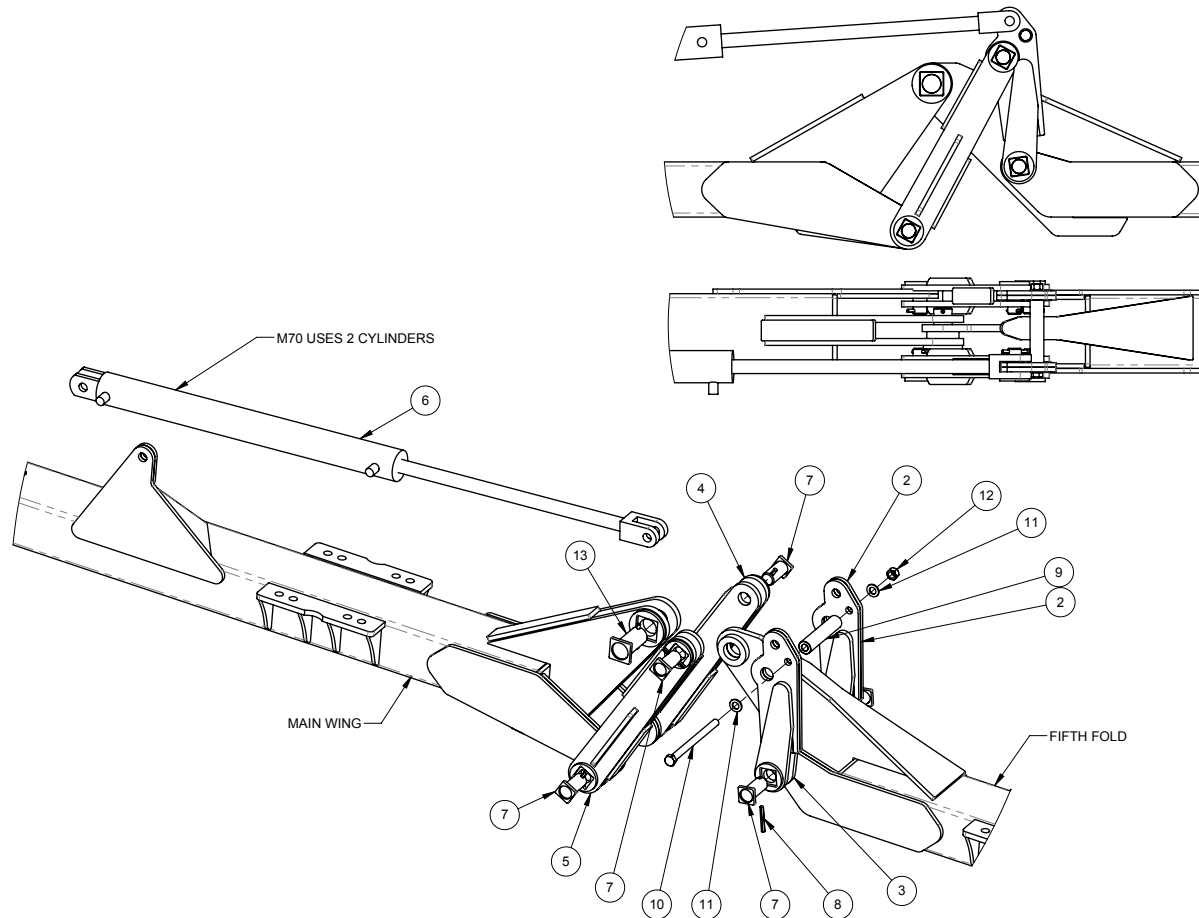
Parts Description: M80/90/100 Fifth Fold Links

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	407014-2	ASSY, BEAM - MAIN WING - RH - M80 TXB - BLK
2	1	407690	ASSY, BEAM - FIFTH FOLD - M80 - BLK
3	1	407050	ASSY, HINGE LINK - MAIN - RH - BLK
4	1	407060	ASSY, HINGE LINK - LIFT - RH - BLK
5	1	407051	ASSY, HINGE LINK - MAIN - LH - BLK
6	1	407061	ASSY, HINGE LIFT LINK - 13" - LH
7	1	250060	BOLT, HEX 3/4 X 10 UNC GR5 PL
8	1	407105	BUSH, LINK SPACER 1 1/2 OD X .77ID X 7IN
9	2	250552	WASHER, FLAT 3/4IN GR8 PL
10	1	250451	NUT, HEX 3/4 UNC GR5 PL
11	2	258548	CYL, 3 X 32 IN
12	6	407075	ASSY, LINK PIN - 1 1/2" X 3 3/8"
13	1	407070	ASSY, HINGE PIN - 2 IN - BLK
14	7	250609	PIN, COILED SPRING - 3/8 X 3 IN - PL
15	4	250598	PIN, CYLINDER - 1 X 3 IN EFF. c/w CLIP PINS



Parts Description: M50/60/80 CT Fifth Fold Links

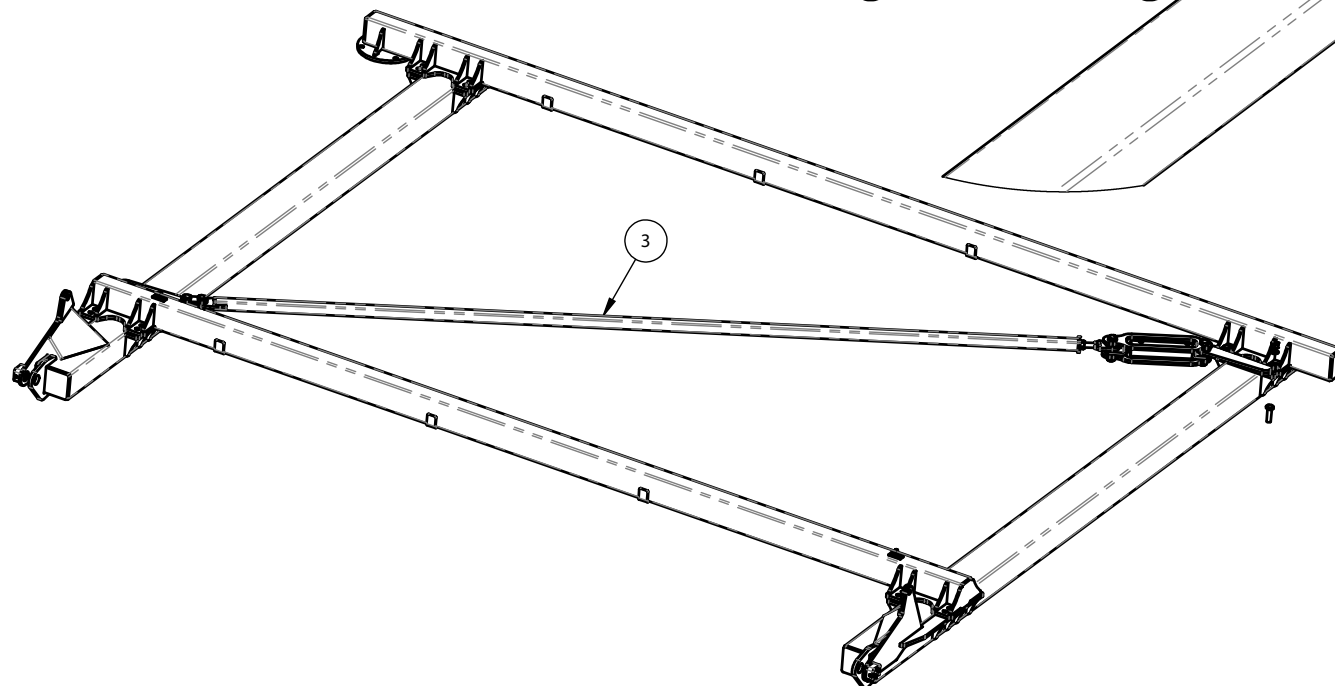
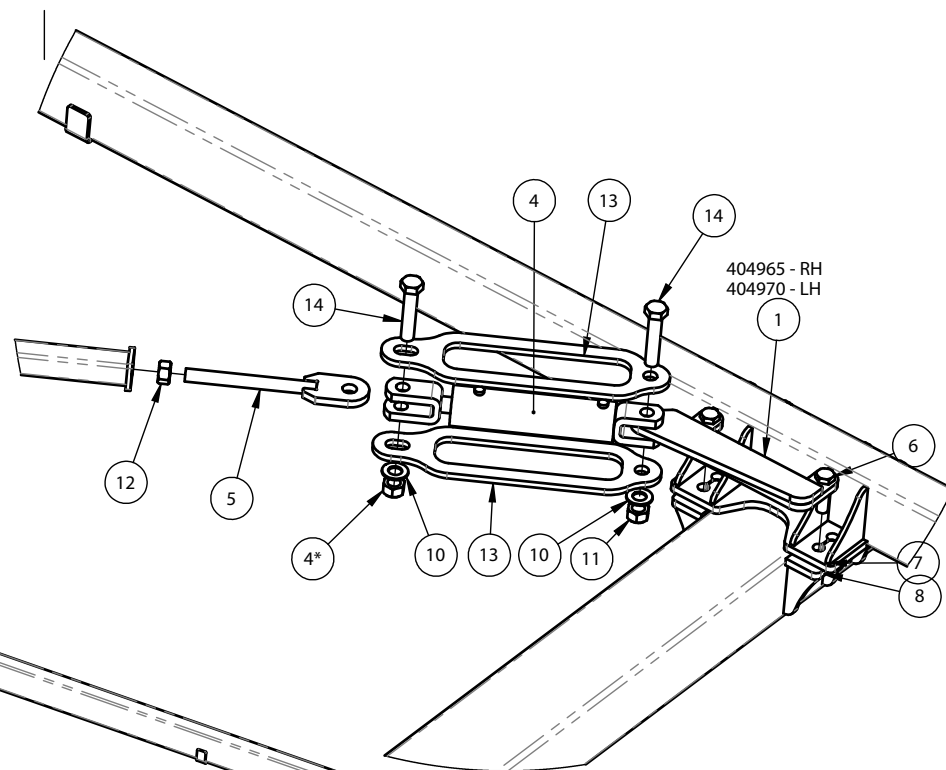
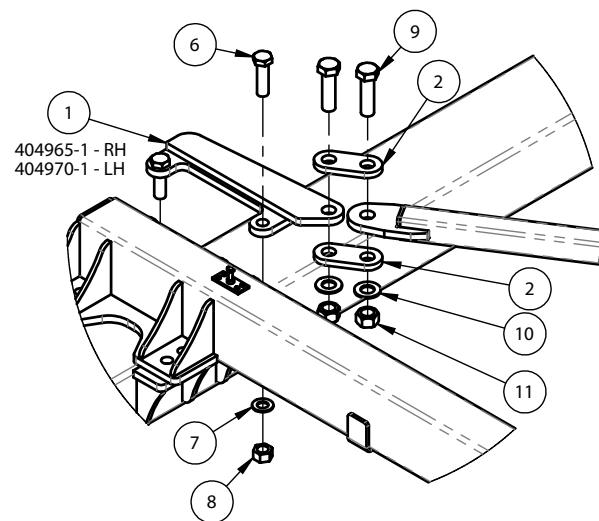
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	4 07565	ASSY, BEAM - FIFTH FOLD WING - M60 -BLK
2	1	407524	ASSY, HINGE LINK - M70 LIFT - LH - BLK
3	1	407525	ASSY, HINGE LINK - M70 LIFT - RH - BLK
4	1	407519	ASSY, HINGE LINK - M70 - 21 1/2" - MAIN - LH - BLK
5	1	407520	ASSY, HINGE LINK - M70 - MAIN - RH - BLK
6	1	258548	CYL, 3 X 32 IN
7	6	407075	ASSY, LINK PIN - 1 1/2" X 3 3/8"
8	7	250609	PIN, COILED SPRING - 3/8 X 3 IN - PL
9	1	407105	BUSH, LINK SPACER 1 1/2 OD X .77ID X 7IN
10	1	250060	BOLT, HEX 3/4 X 10 UNC GR5 PL
11	2	250552	WASHER, FLAT 3/4IN GR8 PL
12	1	250451	NUT, HEX 3/4 UNC GR5 PL
13	1	407070	ASSY, HINGE PIN - 2 IN - BLK



Parts Description: Active Wing Brace

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	404965-1	ASSY, BOLT PLATE - RIGHT ADJUSTABLE ACTIVE WING BRACE - BLK
2	2	404837	PLATE, LINK 1/2 IN - ACTIVE WING BRACE
3	1	404955-1	ASSY, ADJUSTABLE ACTIVE WING BRACE TUBE - BLK
4	1	258550	CYL, HYD 2 1/2 X 8 IN
5	1	404930	ASSY, LUG - ADJUSTABLE ACTIVE WING BRACE - PLATE
6	4	250044	BOLT, HEX 7/8 X 3 IN UNC GR5 PL
7	4	250553	WASHER, FLAT 7/8IN GR8 PL
8	4	250452	NUT, HEX - 7/8 UNC PL
9	2	250031	BOLT, HEX 1 X 3 1/2 IN GR5 PL
10	4	250554	WASHER, FLAT - 1 IN GR8 PL
11	4	250505	NUT, LOCK - 1 UNC - STOVER - PL
12	1	250457	NUT, HEX 1 UNC GR5 PL
13	2	404934	PLATE, LIMITER 1/2 IN - ACTIVE WING BRACE - BLK
14	2	404971	BOLT, HEX - 1 X 6 1/2 IN UNC GR5 PL

SUBSTITUTE FOR ITEMS 3 & 4 ACCORDING TO TABLE BELOW				
FRAME	MAIN WING BRACE		FIFTH FOLD WING BRACE	
	BRACE TUBE	CYLINDER	BRACE TUBE	CYLINDER
WIDE 3-PLEX	404940-1	258550		
STD 5-PLEX	404940-1	258550		
50CT 3-PLEX	404955-1	258549		
M50	404935-1	258550		
M60	404940-1	258550		
M70	404945-1	258549		
M80CT	404955-1	258549	404935-1	258550
M80	404945-1	258549		
M90	404955-1	258549	404940	258550
M100	404960-1	258549	404950	258549

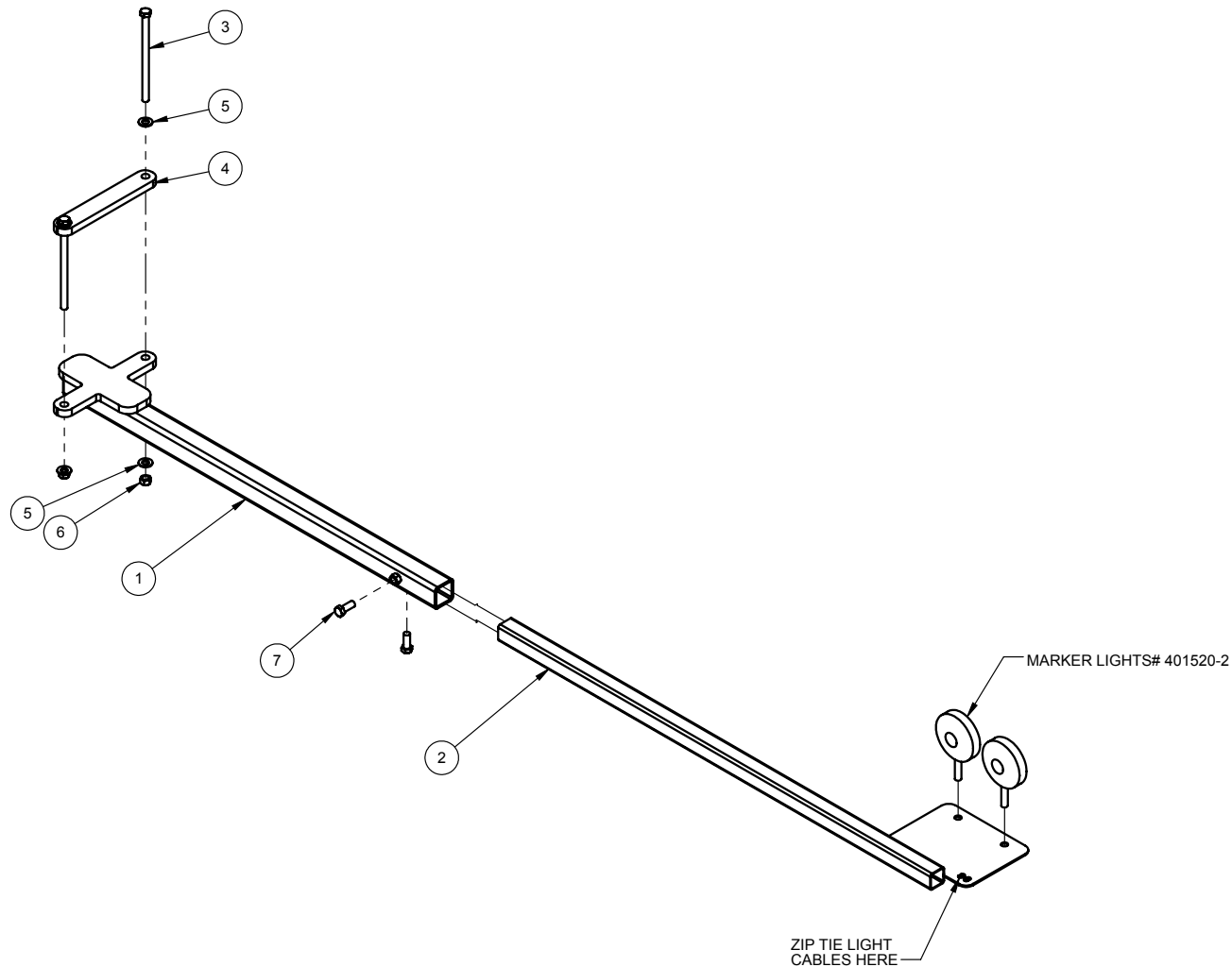


Parts Description:

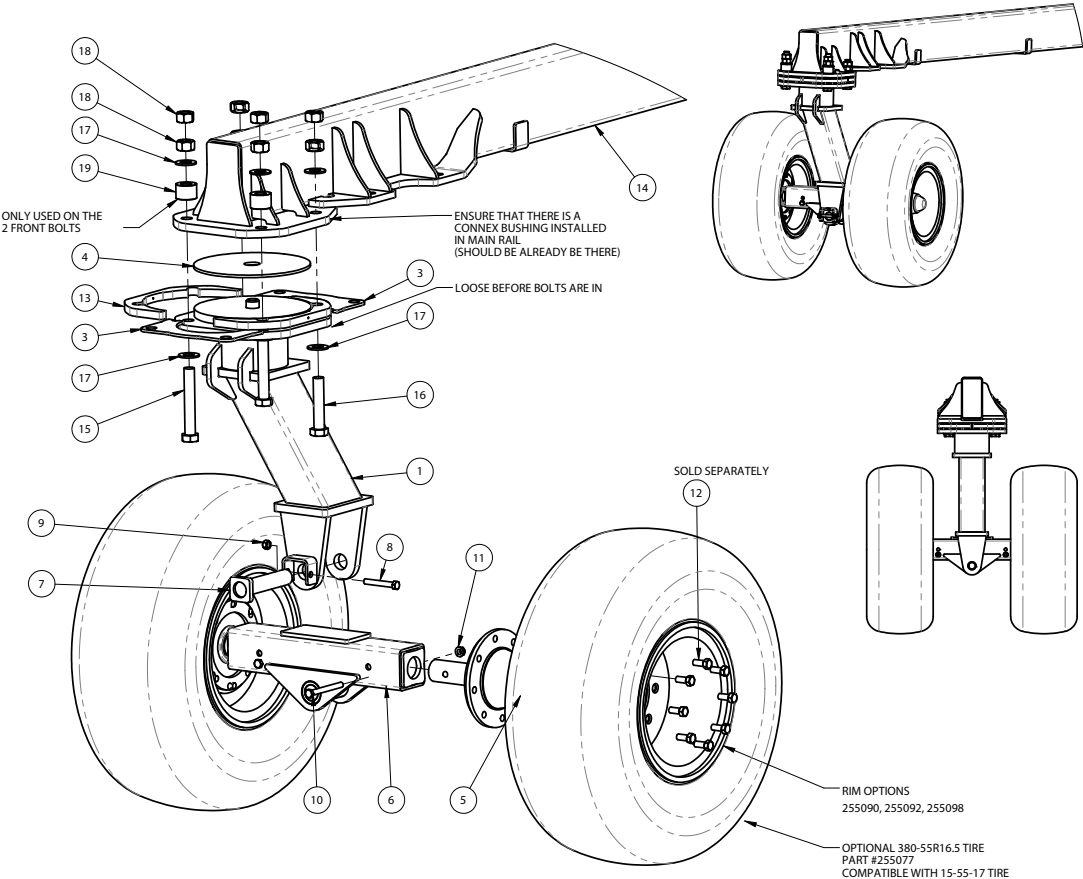
Clearance Light Mount

Part Number: 400105 – 8 x 6 Beam
400106 – 8 x 8 Beam

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	400110	ASSY, CLEARANCE LIGHT MOUNT
2	1	400115	ASSY, CLEARANCE LIGHT ADJUSTABLE ARM
3	2	250069	BOLT, HEX 1/2 X 8 IN GR5 PL
4	1	400113	PLATE, BOLT 5/8 IN - CLEARANCE LIGHT MOUNT
5	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
6	2	250450	NUT, HEX 1/2 UNC GR5 PL
7	2	250013	BOLT, HEX 1/2 X 1 1/4 IN GR5 PL



Parts Description: Heavy Duty Dual Castor Bundle



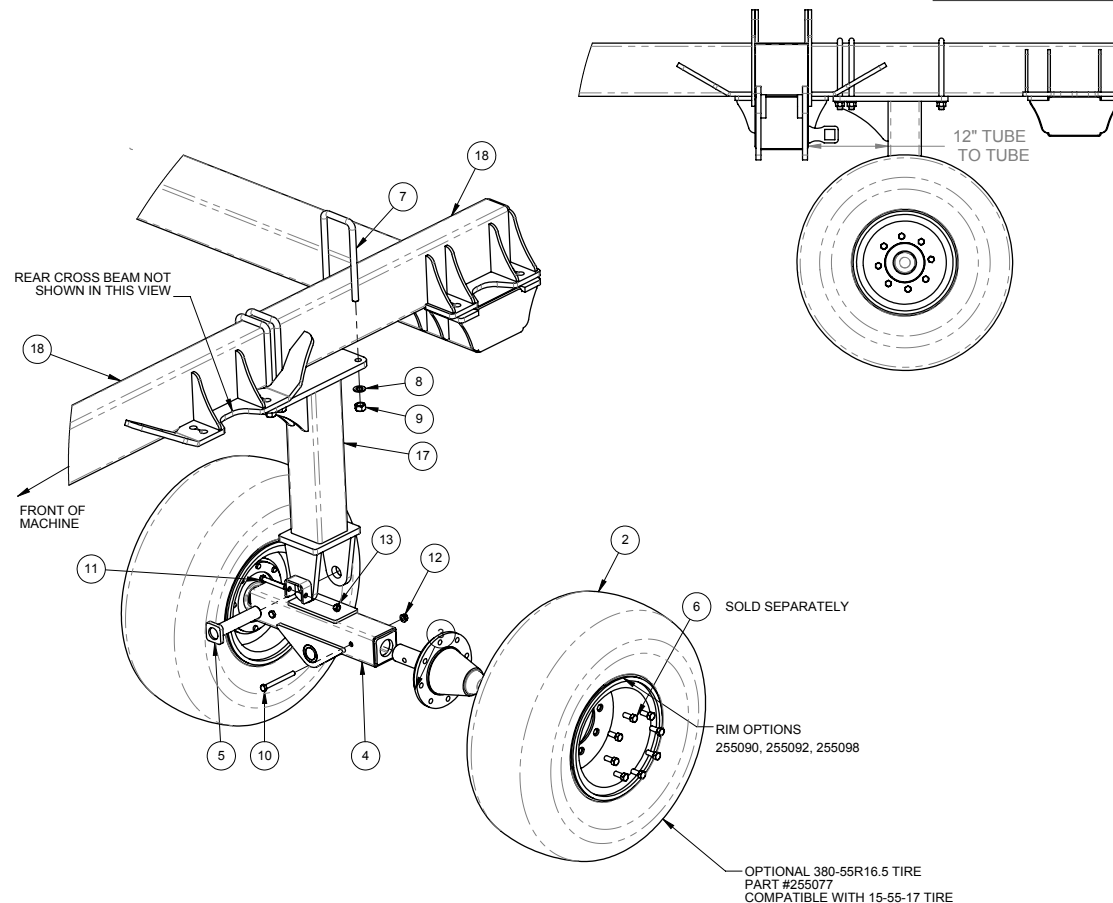
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	405901-1	ASSY, DUAL CASTOR - WALKING - HEAVY - BLK
2	2	255076	ASSY, TIRE - 12.5L15F1 - HWY SRV - 12 PLY - 8 BOLT - 1.5 NEG. OFF
3	2	405911	PAD, WEAR 1/4 IN - NYLON - HVY CASTER - BTM
4	1	405910	PAD, WEAR 1/4 IN - NYLON - HVY CASTER - TOP
5	2	252001	ASSY, HUB/SPINDLE - H811-2 1/8 IN STRAIGHT SPINDLE
6	1	404246	ASSY, SPINDLE HOLDER - WALKING AXLE - 15/55-17 - BLK
7	1	404214	ASSY, PIVOT PIN WALKING AXLE - SEEDMASTER
8	1	250050	BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL
9	1	250504	NUT, LOCK - 1/2 UNC - STOVER - PL
10	2	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
11	2	250401	NUT, FLANGE - 1/2 UNC PL
12	16	253010	BOLT, WHEEL - HA814 HUB - WB17 (SOLD SEPARATELY)
13	2	405915-1	PLATE, GREASE BLOCK - 3/4 IN - HEAVY CASTER
14	1	407190-2	ASSY, RAIL - MAIN FRM - SXX345 - BLK
15	2	250121	BOLT, HEX 1 X 6 1/2 UNC GR5 PL
16	2	250120	BOLT, HEX 1 X 5 UNC GR5 PL
17	8	250554	WASHER, FLAT - 1 IN GR8 PL
18	8	250457	NUT, HEX 1 UNC GR5 PL
19	2	405916	BUSH, 2 OD X 1.03125 ID X 1 3/8 IN - FRONT CASTER - PL

Parts Description:

Rear Walking Axle - Main Frame

Part Number: 404220-1

ITEM	QTY.	PART NO.	DESCRIPTION
2	2	255076	ASSY, TIRE - 12.5L15F1 - HWY SRV - 12 PLY - 8 BOLT - 1.5 NEG. OFF
3	2	252001	ASSY, HUB/SPINDLE - H811 - 2 1/8 IN STRAIGHT SPINDLE
4	1	404246	ASSY, SPINDLE HOLDER - WALKING AXLE - 15/55-17 - BLK
5	1	404214	ASSY, PIVOT PIN WALKING AXLE - SEEDMASTER
6	16	253010	BOLT, WHEEL - HA614 HUB - WB17 (SOLD SEPARATELY)
7	3	250206	BOLT, U-SQ - 3/4 UNC X 4 ID X 10 IN - 2 IN THD - GR8 PL
8	6	250552	WASHER, FLAT 3/4IN GR8 PL
9	6	250451	NUT, HEX 3/4 UNC GR5 PL
10	2	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
11	1	250050	BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL
12	2	250401	NUT, FLANGE - 1/2 UNC PL
13	1	250504	NUT, LOCK - 1/2 UNC - STOVER - PL
15	1	400730	ASSY, BEAM - REAR CROSS - WIDE 5 PLEX - BLK
16	1	400773	ASSY, REAR HITCH - WIDE FRM - BLK
17	1	404221-1	ASSY, REAR AXLE - DUAL - 12.5L15 - BLK
19	1	407190-2	ASSY, RAIL - MAIN FRM - SXX345 - BLK

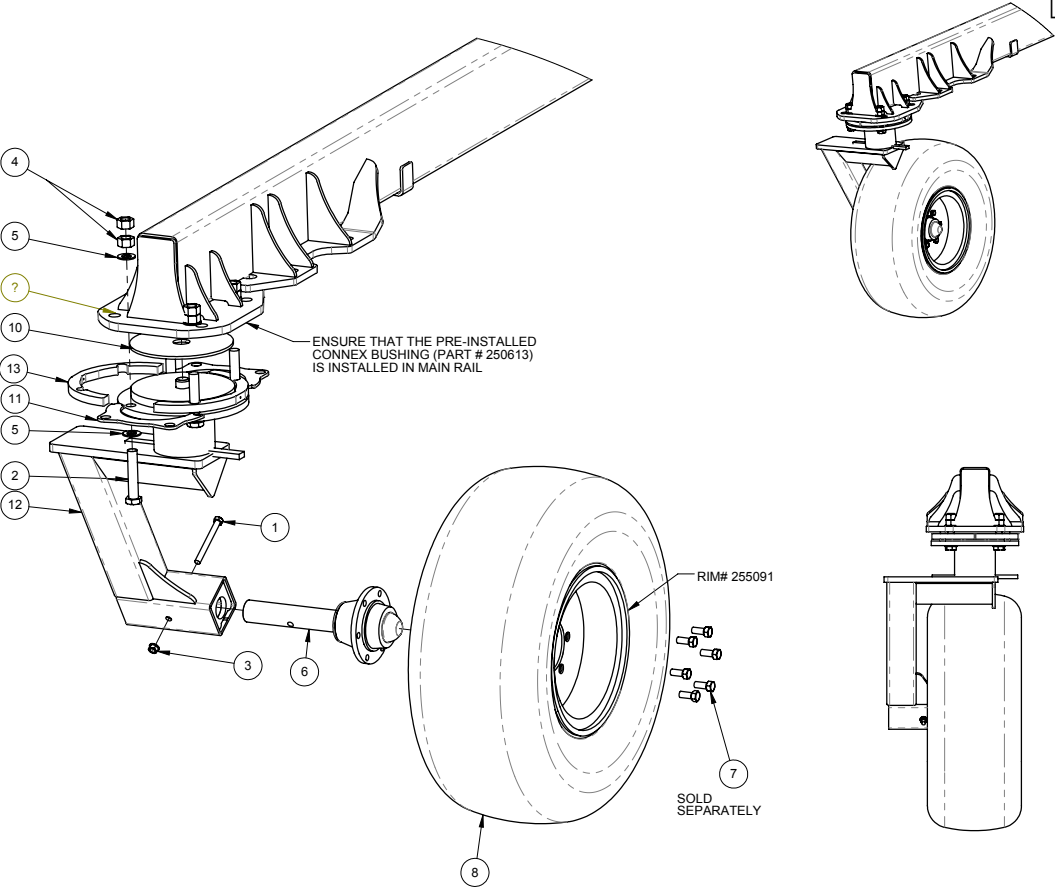


Parts Description:

Single Castor Assembly

Part Number: 400285-3

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
2	4	250029	BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL
3	1	250401	NUT, FLANGE - 1/2 UNC PL
4	8	250452	NUT, HEX - 7/8 UNC PL
5	8	250553	WASHER, FLAT 7/8IN GR8 PL
6	1	252000	ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE
7	6	253010	BOLT, WHEEL - HA614 HUB - WB17 (SOLD SEPARATELY)
8	1	255075	ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF
9	1	256576	CELLTITE SPONGE - 1/2 X 1 IN - A/B
10	1	400280-2	PAD, WEAR 1/4 IN - NYLON - TOP
11	2	400281-2	PAD, WEAR 1/4 IN - NYLON - BTM
12	1	400286-4	ASSY, SINGLE CASTOR - SEED MASTER - BLK
13	2	400317-2	PLATE, GREASE BLOCK - 3/4 IN - CASTOR
14	1	407190-2	ASSY, RAIL - MAIN FRM - SXX345 - BLK

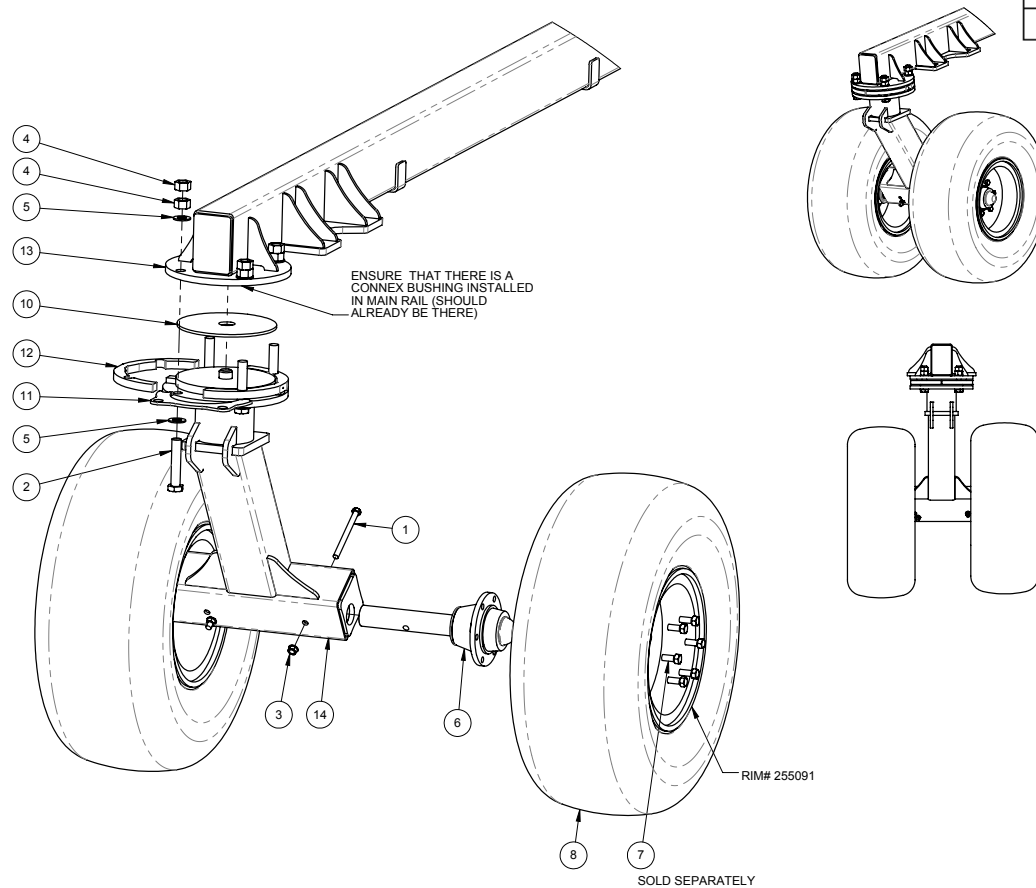


Parts Description:

Dual Wing Castor Assembly

Part Number: 404240-1

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	250011	BOLT, HEX 1/2 X 6 IN GR5 PL
2	4	250029	BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL
3	2	250401	NUT, FLANGE - 1/2 UNC PL
4	8	250452	NUT, HEX - 7/8 UNC PL
5	8	250553	WASHER, FLAT 7/8IN GR8 PL
6	2	252000	ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE
7	12	253010	BOLT, WHEEL - HA614 HUB - WB17 (SOLD SEPARATELY)
8	2	255075	ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF
9	1	256576	CELLTITE SPONGE - 1/2 X 1 IN - A/B
10	1	400280-2	PAD, WEAR 1/4 IN - NYLON - TOP
11	2	400281-2	PAD, WEAR 1/4 IN - NYLON - BTM
12	2	400317-2	PLATE, GREASE BLOCK - 3/4 IN - CASTOR
13	1	400410-3	ASSY, WING RAIL - OUTSIDE - BLK
14	1	404241-1	ASSY, DUAL WING CASTOR - 12.5L16 - BLK

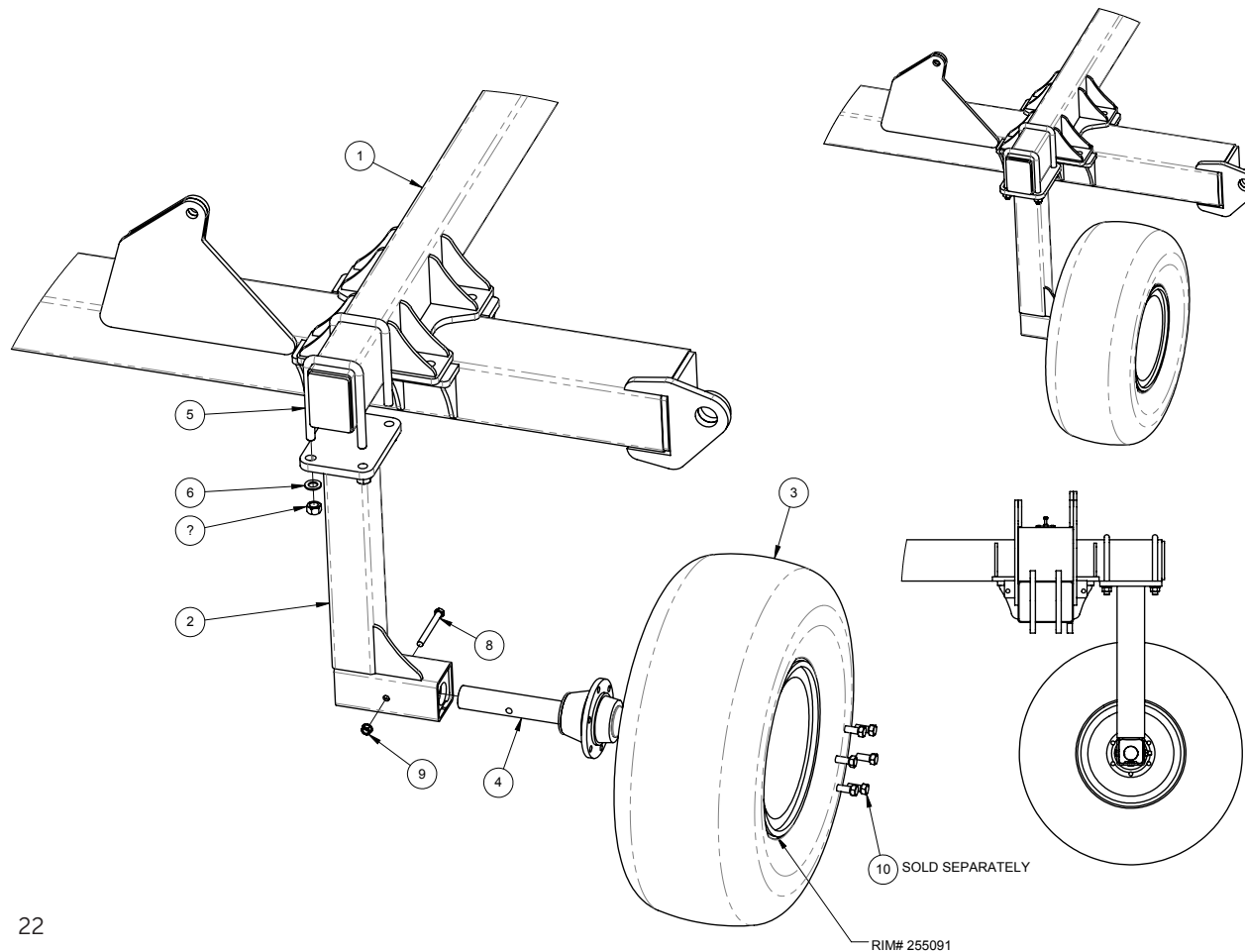


Parts Description:

Rear Wing Axle

Part Number: 400308-3

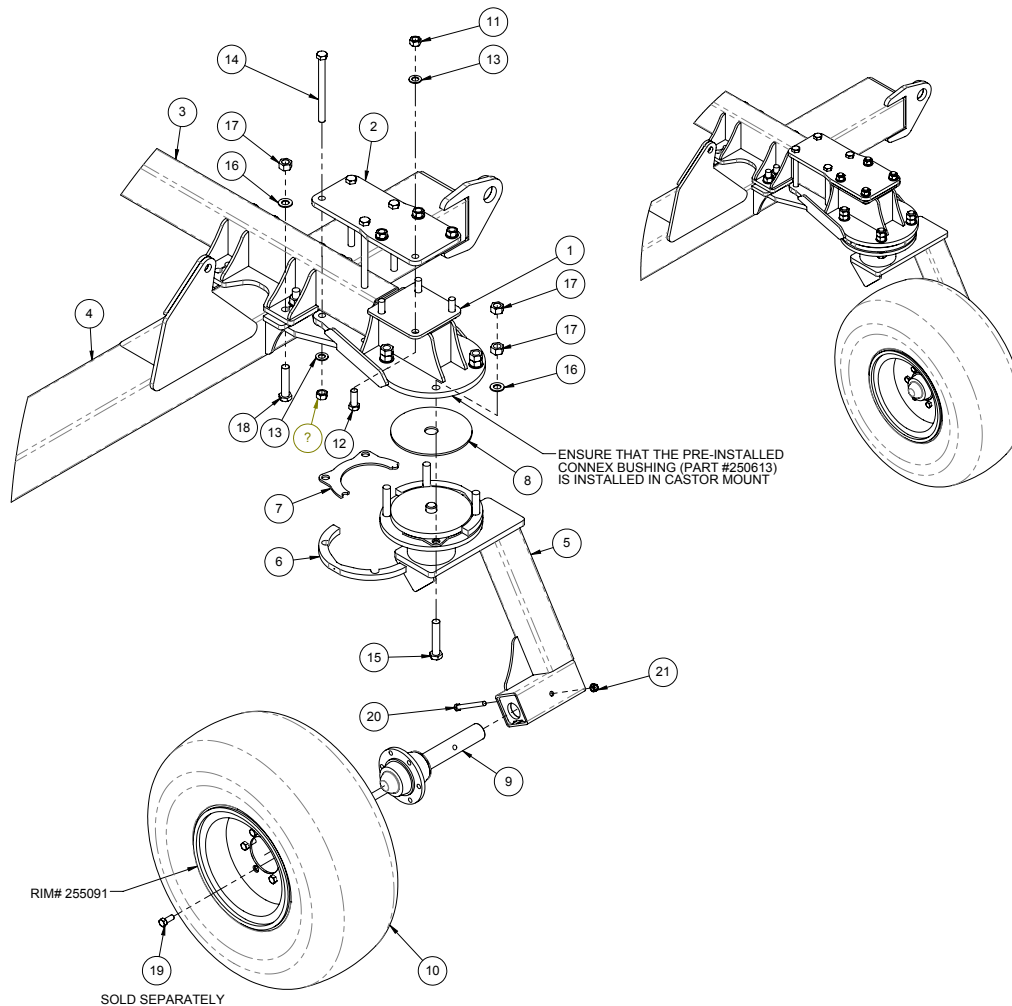
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	400410-3	ASSY, WING RAIL - OUTSIDE - BLK
2	1	400309-3	ASSY, REAR AXLE - WING - BLK
3	1	255075	ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF
4	1	252000	ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE
5	2	250204	BOLT, U-SQ - 3/4 UNC X 4 ID X 8 IN -2 IN THD - GR8 PL
6	4	250552	WASHER, FLAT 3/4IN GR8 PL
7	4	250451	NUT, HEX 3/4 UNC GR5 PL
8	1	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
9	1	250401	NUT, FLANGE - 1/2 UNC PL
10	6	253010	BOLT, WHEEL - HA614 HUB - WB17 (SOLD SEPARATELY)



Parts Description:

Rear Wing Castor Assembly

Part Number: 404230-2



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	404231-2	ASSY, CASTOR MOUNT - REAR WING - BLK
2	1	404197	PLATE, BOLT 5/8 IN - REAR WING CASTOR TOP PLATE
3	1	400410-3	ASSY, WING RAIL - OUTSIDE - BLK
4	1	400750-3	ASSY, REAR BEAM - WING - RH - WIDE 5 PLEX - BLK
5	1	400286-4	ASSY, SINGLE CASTOR - SEED MASTER - BLK
6	2	400317-2	PLATE, GREASE BLOCK - 3/4 IN - CASTOR
7	2	400281-2	PAD, WEAR 1/4 IN - NYLON - BOTTOM
8	1	400280-2	PAD, WEAR 1/4 IN - NYLON TOP
9	1	252000	ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE
10	1	255075	ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF
11	8	250451	NUT, HEX 3/4 UNC GR5 PL
12	4	250014	BOLT, HEX 3/4 X 2 UNC GR5 PL
13	8	250552	WASHER, FLAT 3/4IN GR8 PL
14	4	250076	BOLT, HEX 3/4 X 9 UNC GR5 PL
15	4	250029	BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL
16	8	250553	WASHER, FLAT 7/8IN GR8 PL
17	12	250452	NUT, HEX - 7/8 UNC PL
18	4	250008	BOLT, HEX 7/8 X 4 UNC GR5 PL
19	6	253010	BOLT, WHEEL - HA614 HUB - WB17
20	1	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
21	1	250401	NUT, FLANGE - 1/2 UNC PL

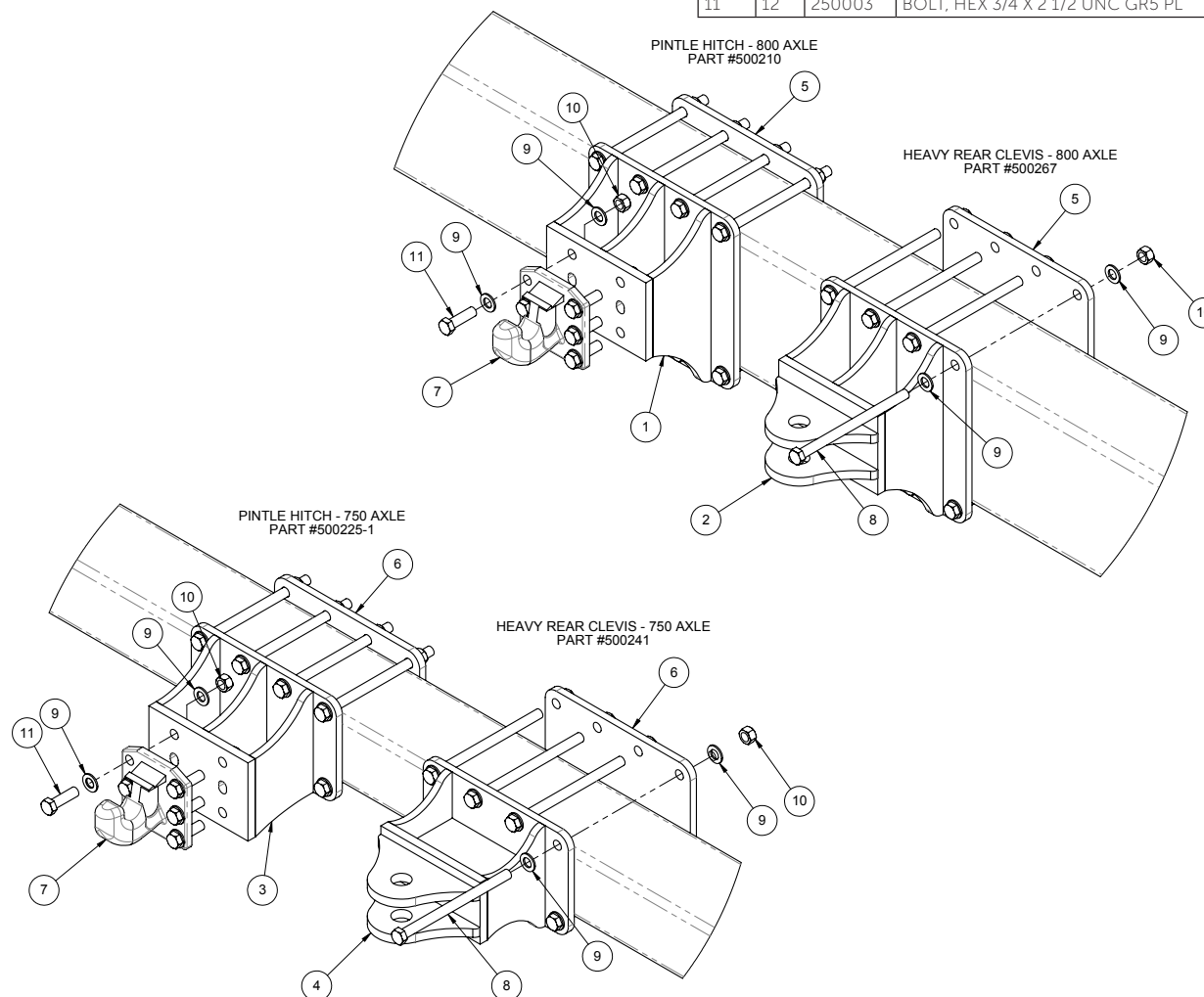
REAR CASTOR UPGRADE BDL#404237

Parts Description:

Pintle and Heavy Clevis Hitches

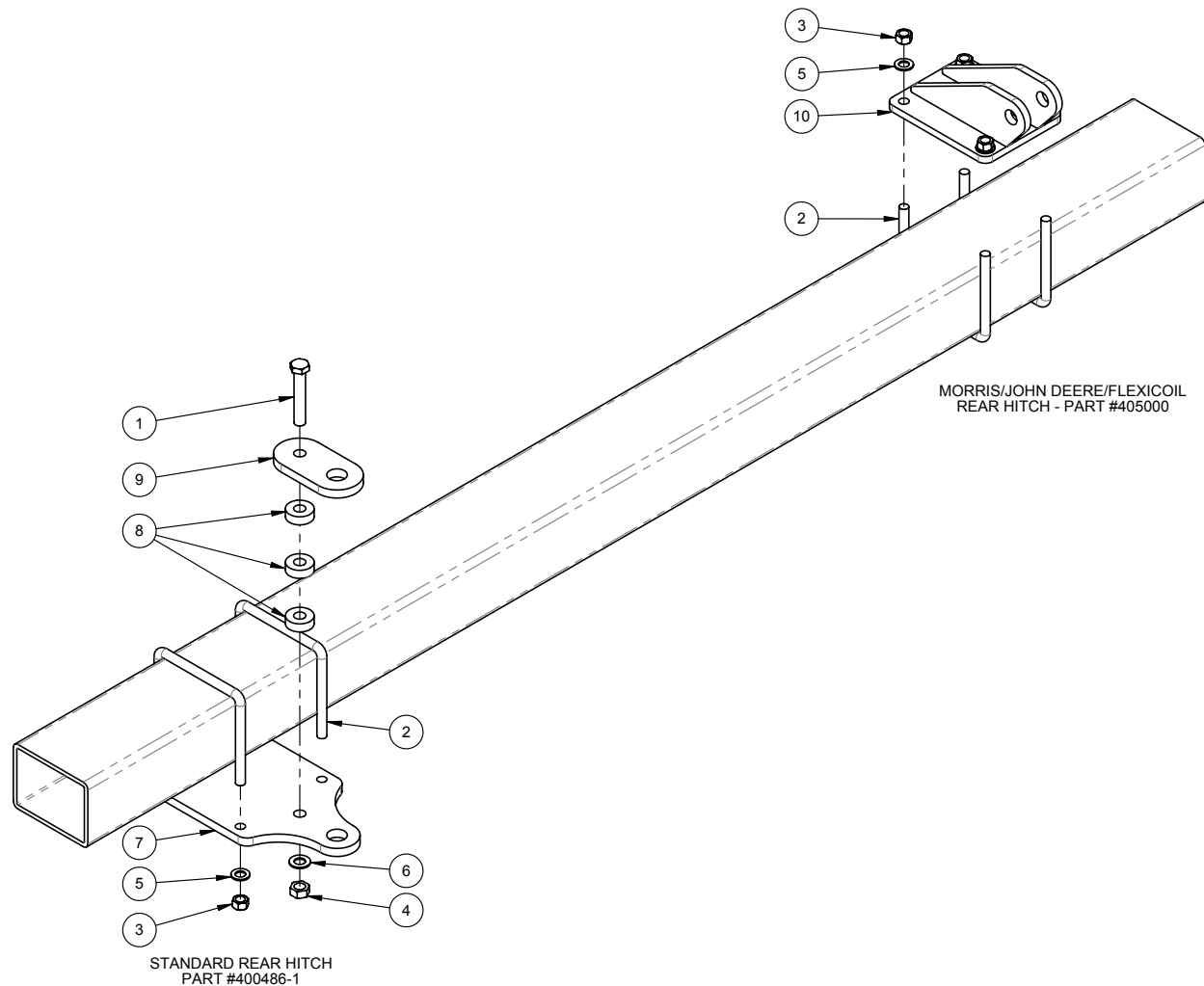
Part Number: 404230-2

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	500211-1	ASSY, PINTLE HITCH MNT - DRILL REAR AXLE - NOVA - BLK
2	1	500265	ASSY, HEAVY REAR CLEVIS - 800 AXLE - BLK
3	1	500226-1	ASSY, PINTLE HITCH MNT - DRILL REAR 750 AXLE - NOVA - BLK
4	1	500242	ASSY, HEAVY REAR CLEVIS - 750 AXLE - BLK
5	2	500216	PLATE, BOLT 5/8 IN - MAIN - DRILL HITCH - NOVA - BLK
6	2	500217-1	PLATE, BOLT 5/8 IN - CLAMP - PINTLE HITCH - 750 AXLE - NOVA - BLK
7	2	254512	PINTLE HOOK - HOLLAND - PH-410-RN11
8	32	250089	BOLT, HEX 3/4 X 10 UNC GR5 PL
9	88	250552	WASHER, FLAT 3/4IN GR8 PL
10	44	250451	NUT, HEX 3/4 UNC GR5 PL
11	12	250003	BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL



Parts Description: Rear Hitch Package

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250015	BOLT, HEX 7/8 X 5 UNC GR5 PL
2	4	250202	BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL
3	8	250451	NUT, HEX 3/4 UNC GR5 PL
4	1	250452	NUT, HEX - 7/8 UNC PL
5	8	250552	WASHER, FLAT 3/4IN GR8 PL
6	1	250553	WASHER, FLAT 7/8IN GR8 PL
7	1	400487-2	PLATE, BOLT 3/4 IN - 8 X 6 REAR HITCH
8	3	400488-1	PLATE, SPACER 3/4 IN - REAR HITCH
9	1	400489-1	PLATE, TOP 3/4 IN - REAR HITCH
10	1	405001-2	ASSY, REAR HITCH - MORRIS - BLK

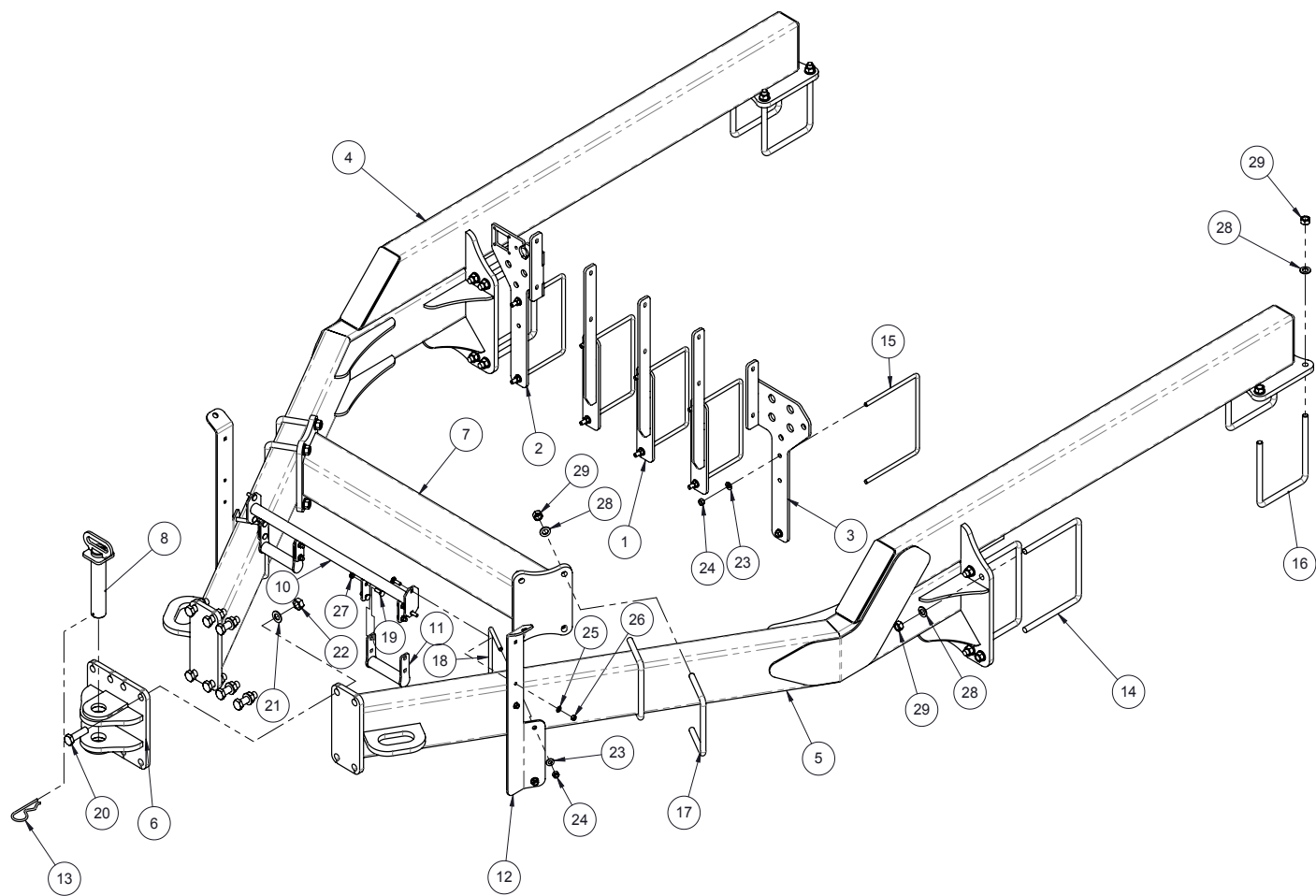


Parts Description:

Rear Hitch - Heavy Axle JD C850

Part Number: 407840

407840 - BDL, REAR HITCH - HEAVY AXLE - JD C850			
ITEM	QTY.	PART NO.	DESCRIPTION
1	3	407877	ASSY, COUPLER SUPPORT BRACKET - JD C850 REAR HITCH - BLK
2	1	407885	ASSY, HYD HOSE COUPLER - LH - JD C850 REAR HITCH - BLK
3	1	407880	ASSY, HYD HOSE COUPLER - RH - JD C850 REAR HITCH - BLK
4	1	407846	ASSY, LH BEAM - JD C850 REAR HITCH - BLK
5	1	407845	ASSY, RH BEAM - JD C850 REAR HITCH - BLK
6	1	407860	ASSY, CLEVIS - JD C850 REAR HITCH - BLK
7	1	407865	ASSY, CROSS BRACE - JD C850 REAR HITCH - BLK
8	1	503315-1	ASSY, REAR HITCH PIN - T/B NOVA - BLK
9	1	407872	PLATE, FRMD 1/4 IN - HOSE GUIDE SUPPORT - LH
10	1	407870	ASSY, GUIDE BAR - JD C850 REAR HITCH - BLK
11	2	407875	ASSY, HYD HOSE GUIDE - JD C850 REAR HITCH - BLK
12	1	407873	PLATE, FRMD 1/4 IN - HOSE GUIDE SUPPORT - RH
13	1	250627	HAIRPIN, 1/4 X 5 IN - HITCH PIN
14	8	250232	BOLT, U-SQ - 3/4 UNC X 12 ID X 10 IN - 2 IN THD - GR8 PL
15	5	250234	BOLT, U-SQ - 1/2 UNC X 12 ID X 8 IN - 2 IN THD - GR5 PL
16	4	250220	BOLT, U-SQ - 3/4 UNC X 8 ID X 10 IN - 2 IN THD - GR8 PL
17	4	250209	BOLT, U-SQ - 3/4 UNC X 8 ID X 6 IN - 2 IN THD - GR8 PL
18	2	250242	BOLT, U-SQ - 1/2 UNC X 8 ID X 5 IN - 1 1/2 IN THD - GR5 PL
19	12	250101	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL
20	8	250044	BOLT, HEX 7/8 X 3 IN UNC GR5 PL
21	8	250553	WASHER, FLAT 7/8IN GR8 PL
22	8	250452	NUT, HEX - 7/8 UNC PL
23	14	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
24	14	250450	NUT, HEX 1/2 UNC GR5 PL
25	4	250557	WASHER, FLAT - 3/8 IN GR8 PL
26	4	250453	NUT, HEX - 3/8 UNC PL
27	8	250400	NUT, FLANGE - 3/8 UNC PL
28	32	250552	WASHER, FLAT 3/4IN GR8 PL
29	32	250451	NUT, HEX 3/4 UNC GR5 PL

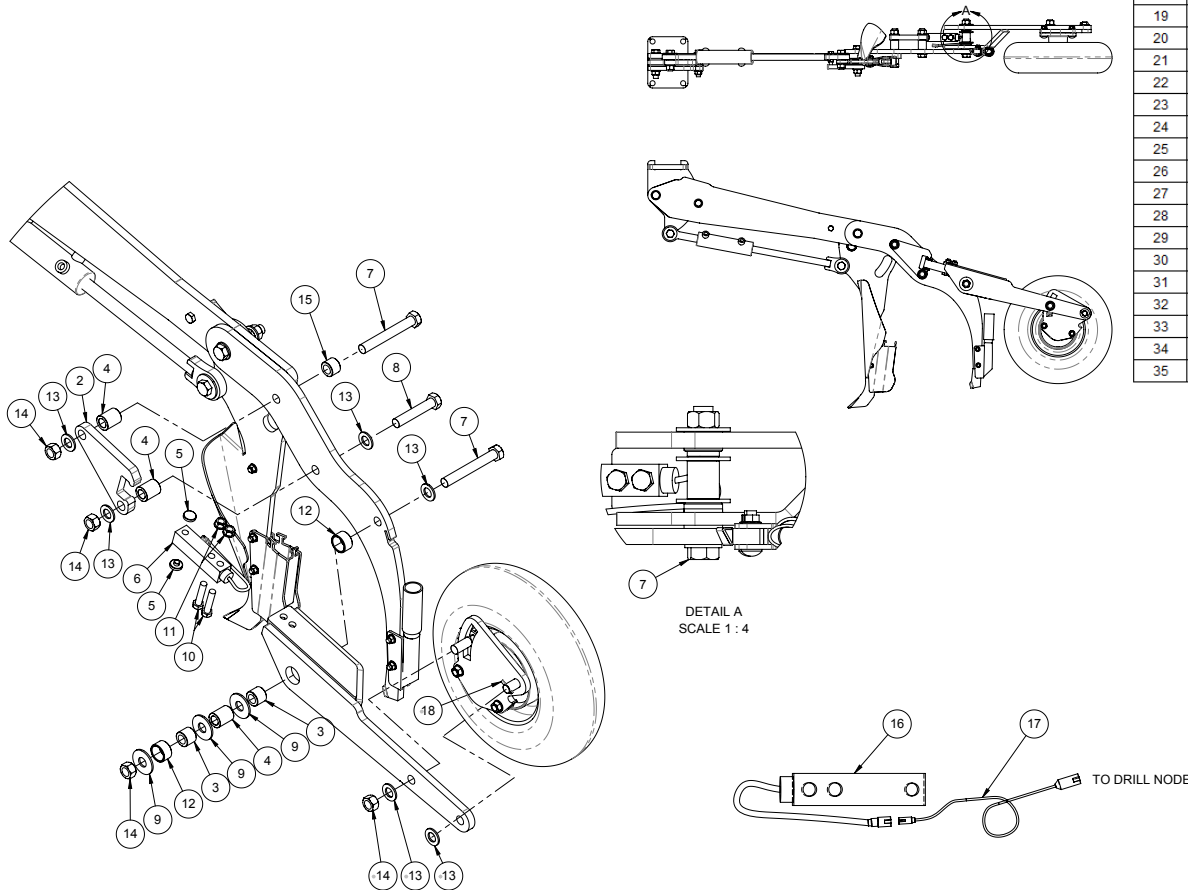


Parts Description:

Packing Force Sensor Bundle

Part Number: 404155 – Raven Control
404150-1 – ISO Control

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	500435-2	SFT, DRIVE - HEX - 5/8 X 85 IN - STAINLESS - NOVA - HOLES
2	2	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
3	12	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
4	19	250453	NUT, HEX - 3/8 UNC PL
5	24	250557	WASHER, FLAT - 3/8 IN GR8 PL
6	11	250630	SCREW, SET - 1/4 X 3/8 UNC
7	1	500410-2	ASSY, NOVA END METER BEARING PLATE
8	1	500494-3	ASSY, MOTOR MOUNT SUPPORT - STAINLESS - NOVA
9	10	501892	ASSY, HUB - COMPLETE COMMON DRIVE - NOVA METER
10	1	250122	BOLT, HEX 1/4 X 3/4 IN GR5 PL
11	1	250458	NUT, HEX - 1/4 UNC PL
12	2	250559	WASHER, FLAT - 1/4 IN - PL
13	1	500432-1	PLATE, FRMD 1/4IN - REDUCTION MOUNT GUIDE - BLK
14	1	503780	SHAFT, HEX 5/8 X 5.5000 - STAINLESS - NOVA CHAIN REDUCTION - HOLES
15	1	260717	MOTOR, HYD - METER DRIVE - RAVEN 3/4 HEX DRIVE (SOLD SEPARATELY)
16	1	260723	ADAPTER, HEX - 7/8-M X 5/8-F
17	2	250077	BOLT, HEX 3/8 X 2 1/2 IN GR5 PL
18	1	250081	BOLT, HEX 1/4 X 1 3/4 IN - GR5 PL
19	1	250507	NUT, LOCK - 1/4 UNC - STOVER - PL
20	3	250040	BOLT, HEX 3/8 X 2IN GR5 PL
21	2	250607	PIN, SPRING - 3/16 X 1 1/4 IN
22	1	501695	PLATE, 1/4 IN - ANTI-ROTATION PLATE - CHAIN REDUCTION - NOVA
23	12	250643-1	BUSHING, NOVA METER 5/8 HEX - J4
24	17	250682	COLLAR, SFT 3/4 IN - SET SCREW - PLATED
25	20	250685	WASHER, THRUST 1.42 OD X 0.79 ID X .060 - IGUS JTM-2036-015
26	2	500493	SHEET, 20GA - NOVA METER HEX SHIM - SS
27	1	250552	WASHER, FLAT 3/4IN GR8 PL
28	5	500498	ASSY, BEARING HOLDER 10GA - STAINLESS
29	5	500483	SHEET, SPACER 10GA - BEARING HOLDER - STAINLESS
30	1	503771-1	ASSY, METER CHAIN REDUCTION FRAME - DUAL STAGE - NOVA
31	2	501685	SPROCKET, WELD ON - 40T42 - X SERIES HUB
32	2	501684	ASSY, SPROCKET - 40T15 - W SERIES HUB - 5/8 HEX BORE - PLATING
33	2	501696	ASSY, SPROCKET - 40T26 - X SERIES HUB - 5/8 HEX BORE - PLATE
34	3	400966	IDLER, BUSHING - CHAIN - 75D - 1 1/2OD X 7/16 ID X 1 1/8 IN
35	1	503779	SHAFT, HEX 5/8 X 7 2500 - STAINLESS - NOVA CHAIN REDUCTION - HOLES



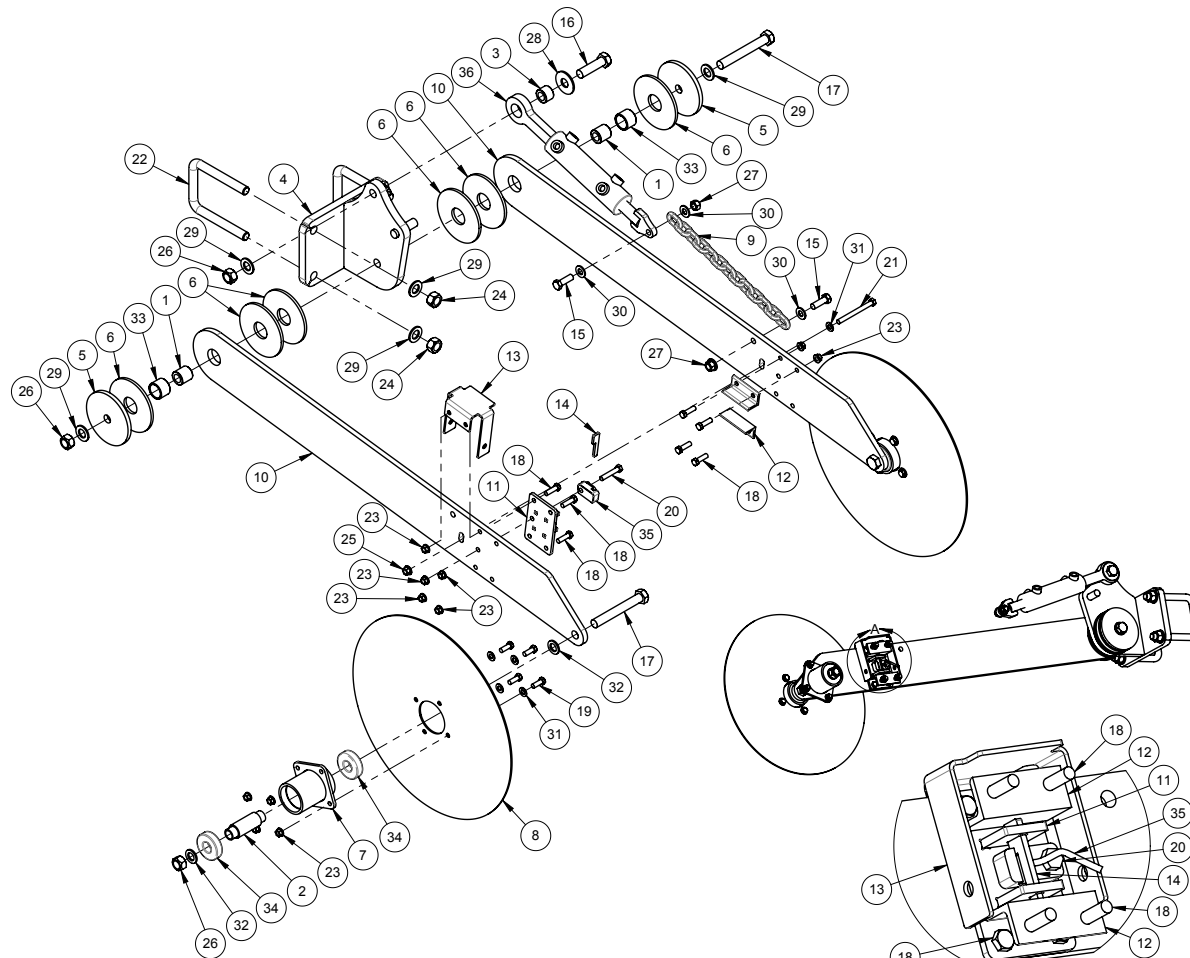
* THESE ITEMS ARE INCLUDED WITH THE OPENER

Parts Description:

Smart Hitch Sensor Bundle

Hall Effect Sensor Style

Part Number: 405700



HALL EFFECT SENSOR ASSEMBLY
SOME PARTS NOT SHOWN FOR CLARITY

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	400222	BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN
2	2	400240-1	BUSH, SPACER 1 1/4OD X .240W X 3.925IN - PACKER
3	1	400241-2	BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN
4	1	400935-2	ASSY, HANGING BRKT - SH SENSOR - BLK
5	2	400947	PLATE, CLAMP 3/8 IN - MAIN PIVOT - BLK
6	6	400948	PAD, WEAR 1/4 IN - UHMW - SH PIVOT
7	2	400950	ASSY, SMART HITCH SENSOR - YLW
8	2	400952	SHEET, DISK - 10 GA - SMART HITCH
9	1	400957	CHAIN, LIFT - 5/16 GR70 - 13 LINKS
10	2	405705	PLATE, MAIN ARM 1/2 IN - SMART HITCH
11	1	405710-1	ASSY, HOLDER - HALL EFFECT SENSOR - BLK
12	2	405715	ANGLE, STOP - SMART HITCH - HALL EFFECT - BLK
13	1	405716-1	PLATE, FRMD 10GA - SMART HITCH SENSOR SHIELD - BLK
14	1	405717-1	PLATE, KEY - 3/16 IN - SMART HITCH - HALL EFFECT - BLK
15	2	250001	BOLT, HEX 1/2 X 1 1/2 IN GR5 PL
16	1	250004	BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL
17	3	250005	BOLT, HEX 3/4 X 5 1/2 UNC GR5 PL
18	8	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
19	8	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
20	1	250039	BOLT, HEX 3/8 X 2 IN GR5 PL
21	1	250086	BOLT, HEX 3/8 X 4 IN GR5 PL
22	2	250201	BOLT, U-SQ - 3/4 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
23	17	250400	NUT, FLANGE - 3/8 UNC PL
24	4	250451	NUT, HEX 3/4 UNC GR5 PL
25	1	250453	NUT, HEX - 3/8 UNC PL
26	4	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
27	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL
28	1	250551	WASHER, FLAT 3/4 IN PL
29	7	250552	WASHER, FLAT 3/4IN GR8 PL
30	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
31	10	250557	WASHER, FLAT - 3/8 IN GR8 PL
32	4	250602	BUSH, 1 1/2OD X 3/4ID X .134IN - PL
33	2	250604	BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX
34	4	250705	BEARING, BALL - BEI 6305 2RS
35	1	257110	SENSOR, HALL EFFECT - SMART HITCH
36	1	258545	CYL, HYD 1 3/4 X 4 IN - SMART HITCH

Parts Description:

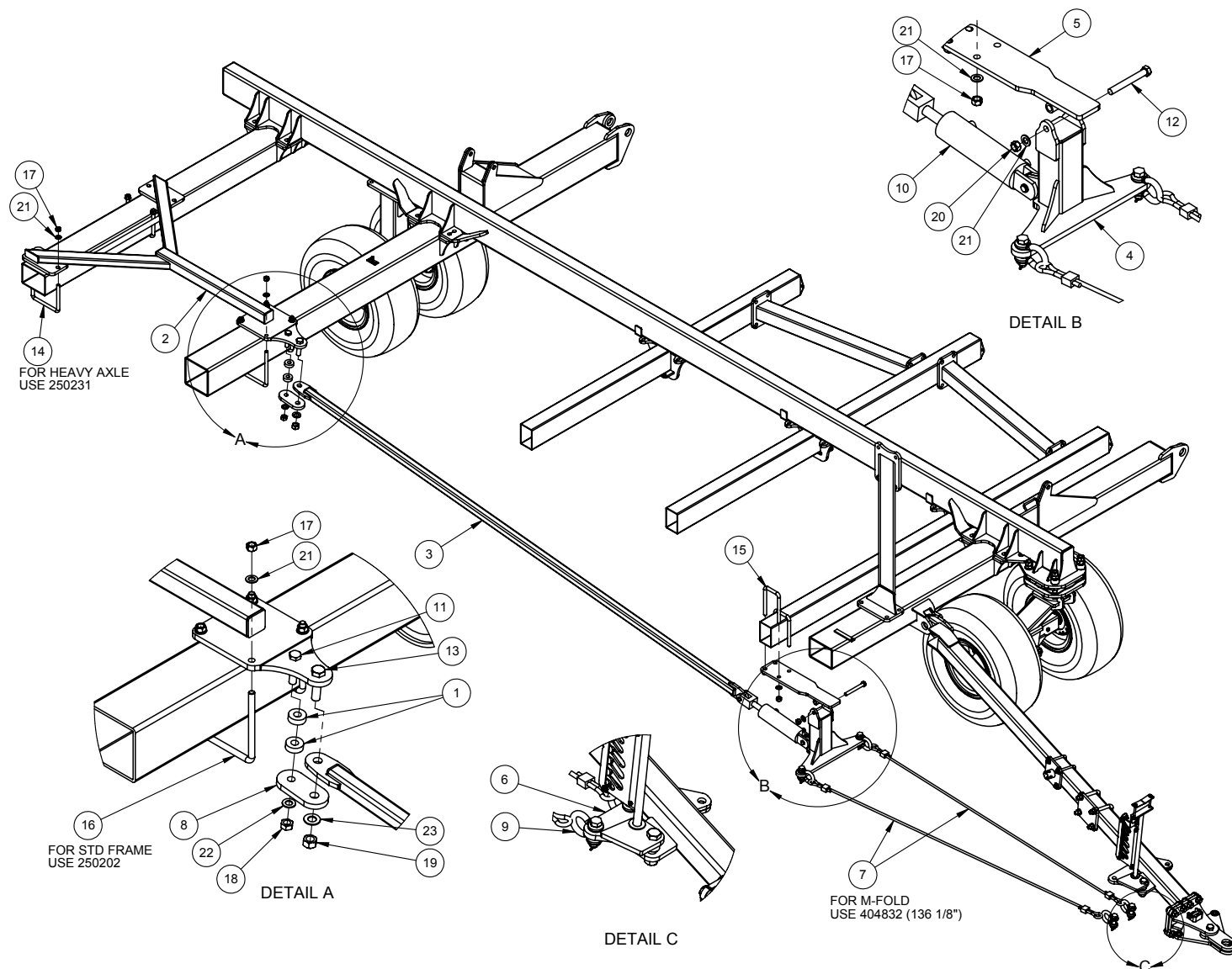
Lift Kit Bundles

Part Number: 404801-1 – M-Fold Frame

404900 – Standard with Heavy Axle

404902-1 – M-Fold with Heavy Axle

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	400488-1	PLATE, SPACER 3/4 IN - REAR HITCH
2	1	404906-2	ASSY, LIFT KIT - REAR BEAM MNT - 550 RAILS/SXX305 - NOVA
3	1	404810	ASSY, LIFT KIT - REAR LINK
4	1	404815	ASSY, LIFTKIT - MIDDLE POST
5	1	404825-1	ASSY, LIFTKIT - MIDDLE POST MOUNT
6	1	404830	PLATE, LINK 3/4 IN - CABLE LINK
7	2	404831	CABLE, 92 IN
8	1	404833	PLATE, LINK 3/4 IN - LIFT KIT REAR LINK
9	4	254545	ACTIVE WING BRACE SHACKLE
10	1	258549	CYL, HYD 3 X 8 IN - ACTIVE WING
11	1	250008	BOLT, HEX 7/8 X 4 UNC GR5 PL
12	1	250022	BOLT, HEX 3/4 X 5 1/2 UNC GR5 PL
13	1	250032	BOLT, HEX 1 X 4 IN UNC GR5 PL
14	2	250202	BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL
15	2	250204	BOLT, U-SQ - 3/4 UNC X 4 ID X 8 IN - 2 IN THD - GR8 PL
16	2	250220	BOLT, U-SQ - 3/4 UNC X 8 ID X 10 IN - 2 IN THD - GR8 PL
17	12	250451	NUT, HEX 3/4 UNC GR5 PL
18	1	250452	NUT, HEX - 7/8 UNC PL
19	1	250457	NUT, HEX 1 UNC GR5 PL
20	1	250501	NUT, LOCK - 3/4 UNC - STOVER - PL
21	13	250552	WASHER, FLAT 3/4IN GR8 PL
22	1	250553	WASHER, FLAT 7/8IN GR8 PL
23	1	250554	WASHER, FLAT - 1 IN GR8 PL



Parts Description:

Wheels, Hubs, and Cylinders

WHEELS AND HUBS					
LOCATION	WHEEL		HUB/SPINDLE		BEARING KIT
	DESCRIPTION	PART#	DESCRIPTION	PART #	
Wings	12.5L15	255075	H614	252000	251990
Main Frame	12.5L15	255076	H811	252001	251991
Main Frame	15/55-17 OR 380-60R16.5	255077	H811	252001	251991
Rear	18.4L26	255050	HA817	254400	251995
Rear	28L26	255030	H1010	252003	251992
Rear	DUAL 28L26 - INNER	255070	H1030	252005	251994
Rear	DUAL 28L26 - OUTER	255071			
Rear	750/65R26	255078	H1010	252003	251992
Rear	DUAL 750/65R26 - INNER	255079	H1030	252005	251994
Rear	DUAL 750/65R26 - OUTER	255080			
Rear	30.5L32	255060	H1010	252003	251992
Rear	800/65R32	255084	H1020	252004	251993

CYLINDERS AND SEAL KITS			
LOCATION	CYLINDER		SEAL KIT
	DESCRIPTION	PART#	PART #
Opener	1-3/4 x 4	258500	258475
STD Wing**	3 x 24	258510	258478
STD Wing**	4 x 24	258520	258480
M-Fold Wing**	3 x 32	258548	258479
M-Fold Wing**	4-1/2 x 32	258554	258481
Smart Hitch Sensor	1-3/4 x 4	258500	258475
Waggle Plate	2-1/2 x 8	258550	258477
Fill Auger	2 x 4	258551	258476
Fill Auger	2 x 8	258552	258476
Lift Kit	3 x 8	258549	258478
Active Wing Brace*	3 x 8	258549	258478
Active Wing Brace*	2-1/2 x 8	258550	258477

*See Active Wing Cylinder page for correct cylinder size

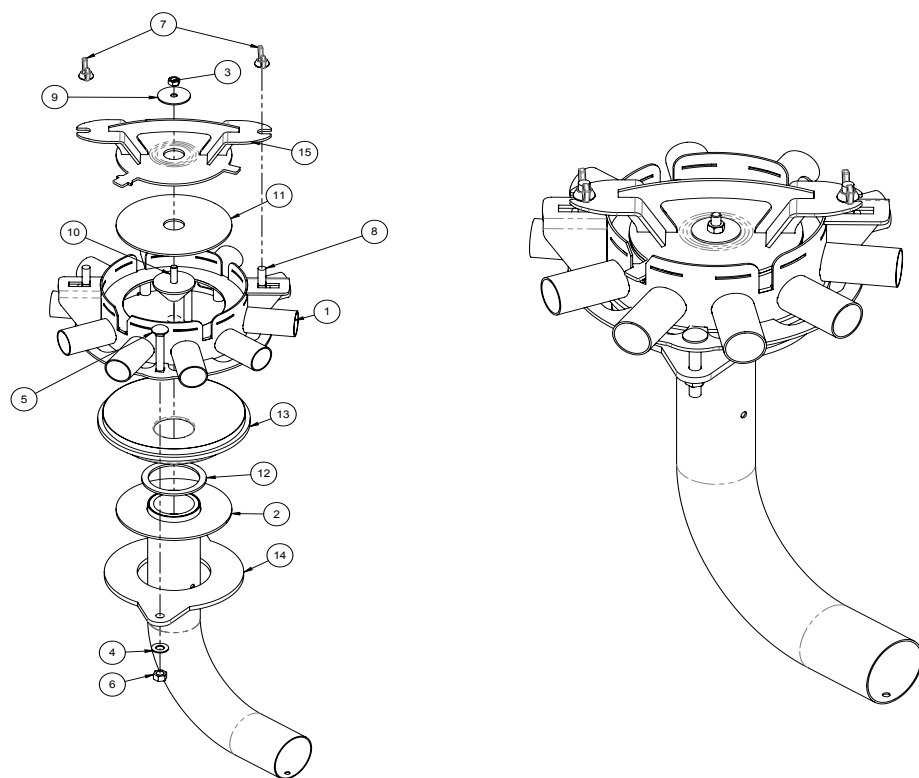
**See Wing Cylinder layout page for correct cylinder size



Parts Description:

Adjustable Manifold Distribution

Part Number: 510590
510580
510500
510520
510540



510590 - BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 10 OUTLET - NO HOSE			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510591	ASSY, ADJUSTABLE MANIFOLD - 10 OUTLET - SS
2	1	510512	ASSY, ADJUSTABLE MANIFOLD TUBE - 2 1/2" - BLK
3	1	250460	NUT, HEX - 5/16 UNC PL
4	2	250557	WASHER, FLAT - 3/8 IN GR8 PL
5	2	250117	BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL
6	2	250453	NUT, HEX - 3/8 UNC PL
7	2	250531	NUT, WING - 3/8 UNC - STAINLESS
8	2	250109	BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC - STAINLESS
9	1	510507	SHEET, 14 GA - WASHER - MANIFOLD - SS
10	1	510514-1	DIVIDING CONE, ADJUSTABLE MANIFOLD - 70D
11	1	510515	TOP SEAL, ADJUSTABLE MANIFOLD - EPDM - 60D
12	1	510516	BOTTOM SEAL, ADJUSTABLE MANIFOLD - EPDM - 60D
13	1	510517	BOTTOM SLOPE, ADJUSTABLE MANIFOLD - 7 OD
14	1	510518	PLATE, 1/4 IN - BTM BOLT PLATE - 7 & 8 OUTLET MANIFOLD - BLK
15	1	510596	ASSY, TOP LID - MANIFOLD - 10 OUTLET - SS
510580 - BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 9 OUTLET - NO HOSE			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510581	ASSY, ADJUSTABLE MANIFOLD - 8 OUTLET - SS
12	1	510508	ASSY, TOP LID - MANIFOLD - 8 OUTLET - SS
15	1	510588	PLATE, 1/4 IN - BTM BOLT PLATE - 7 & 8 OUTLET MANIFOLD - BLK
510500 - BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 8 OUTLET			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510501	ASSY, ADJUSTABLE MANIFOLD - 8 OUTLET - SS
12	1	510508	ASSY, TOP LID - MANIFOLD - 8 OUTLET - SS
15	1	510518	PLATE, 1/4 IN - BTM BOLT PLATE - 7 & 8 OUTLET MANIFOLD - BLK
510520 - BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 7 OUTLET			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510521-1	ASSY, ADJUSTABLE MANIFOLD - 7 OUTLET - SS
12	1	510529	ASSY, TOP LID - MANIFOLD - 7 OUTLET - SS
15	1	510528	PLATE, 1/4 IN - BTM BOLT PLATE - 7 OUTLET MANIFOLD - BLK
510540 - BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 6 OUTLET			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510532	ASSY, ADJUSTABLE MANIFOLD - 6 OUTLET - SS
12	1	510536	ASSY, TOP LID - MANIFOLD - 6 OUTLET - SS



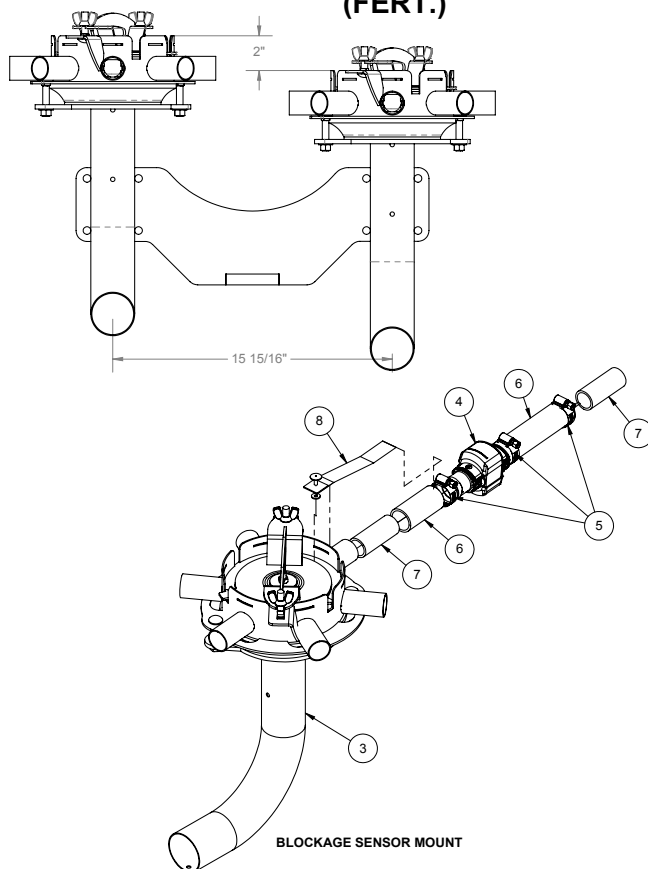
Parts Description: Adjustable Manifold Distribution Mount

Dual Shoot with 8 Outlet Adjustable Manifold Distribution			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510255	ASSY, MANIFOLD MOUNT - DUAL - NOVA - BLK
2	2	510500	BDL, ADJUSTABLE MANIFOLD DISTRIBUTION - 8 OUTLET

Single Shoot with 8 Outlet Adjustable Manifold Distribution			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510255	ASSY, MANIFOLD MOUNT - DUAL - NOVA - BLK
2	1	510252-1	PLATE, FRMD 3/8 IN - SINGLE MANIFOLD MNT - BLK

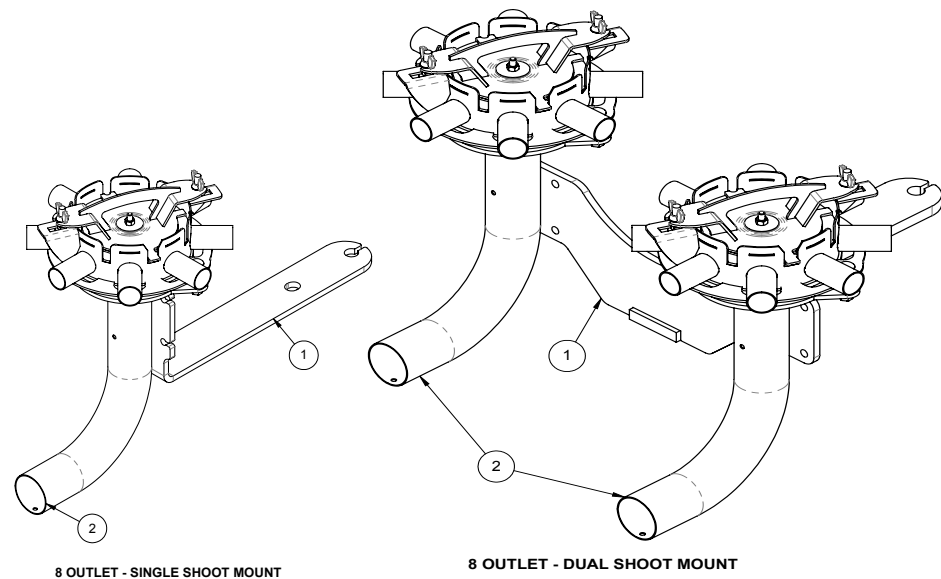
**LEFT MANIFOLD
(SEED)**

**RIGHT MANIFOLD
(FERT.)**



BLOCKAGE SENSOR MOUNT

ITEM	QTY.	PART NO.	DESCRIPTION
3	1	510540	BDL, MANIFOLD DISTRIBUTION - 6 OUTLET
4	1	270500	BLACK EYE - SEED SENSOR
5	3	256617	CLAMP, GEAR - S/S - 1 1/4 IN - HAS20
6	2	256502	HOSE - 1 1/4 IN - SPIRAL BRAIDED
7	2	256505	TUBING - 1 IN EVA PERSONALIZED
8	1	510550	TETHERED STARP

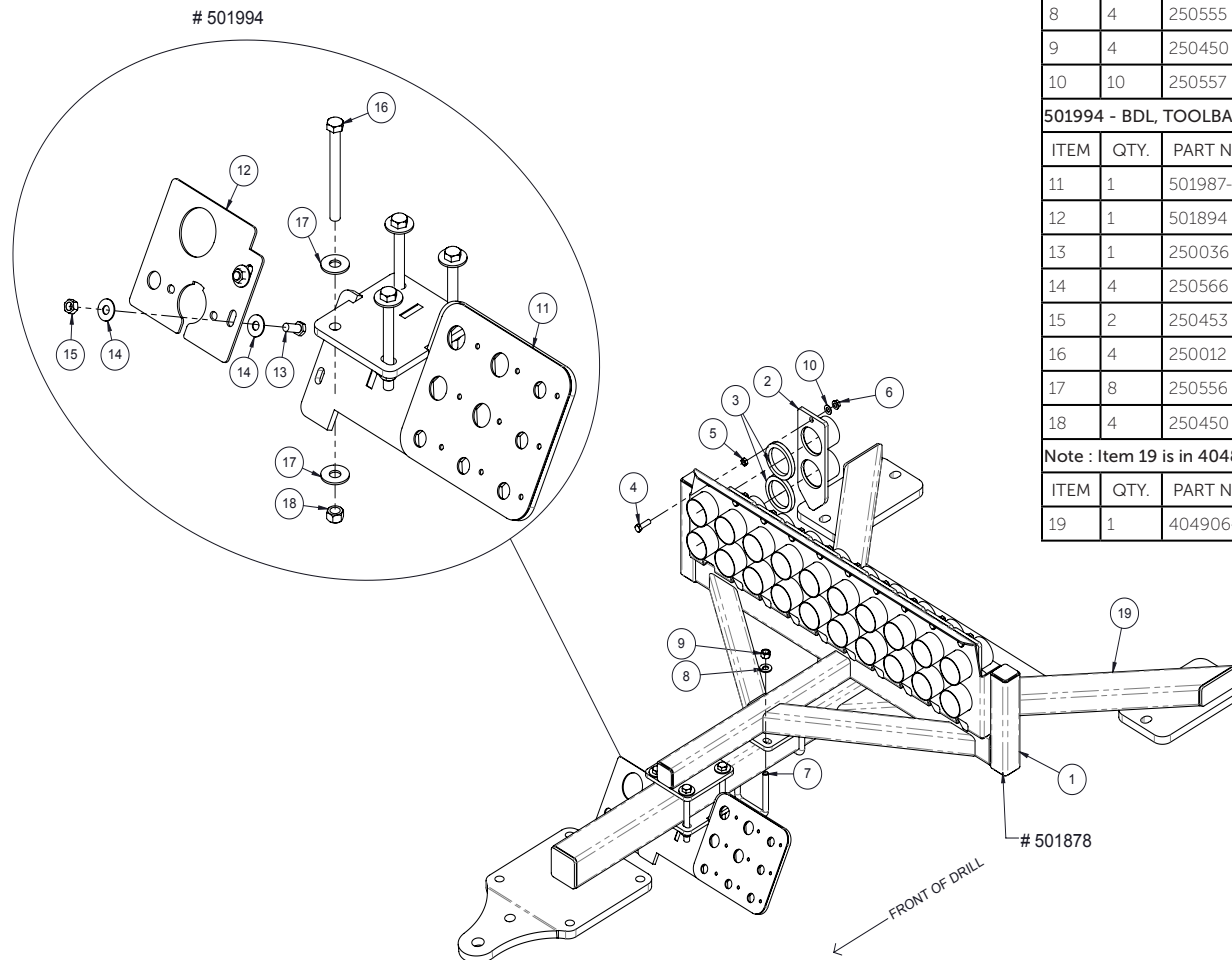


Parts Description:

Quick Hose Disconnect

Dual Shoot - 10 Zone

Part Number: 501878

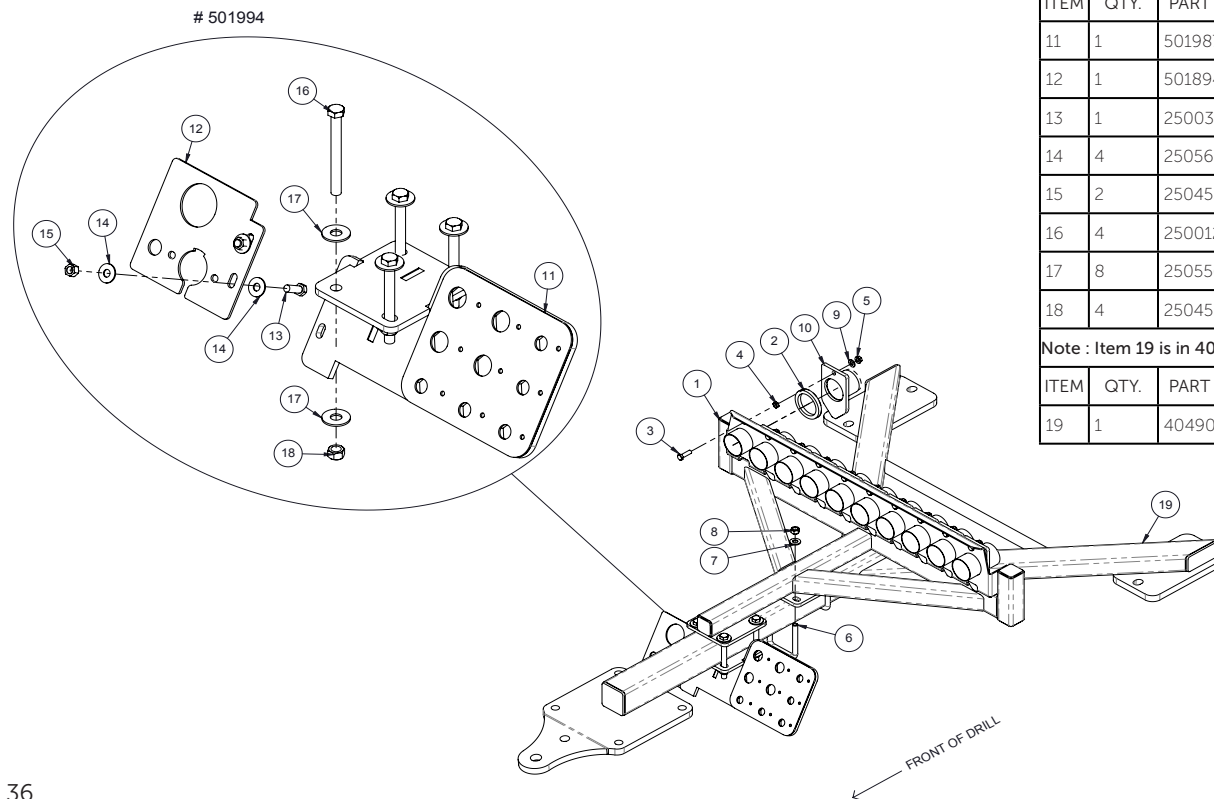


501878 - BDL, QUICK HOSE DISCONNECT - DUAL SHOOT - 10 ZONE - NOVA - ULTRAPRO II			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	501872	ASSY, QUICK HOSE DISCONNECT - BLK
2	10	501655	ASSY, DUAL SHOOT COUPLER - Q. D - NOVA - BLK
3	20	250830	GASKET, FOAM - 2 1/2 IN ID X 3 1/4 IN OD X 3/8 IN THICK
4	10	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
5	10	250466	NUT, JAM - 3/8 UNC
6	10	250400	NUT, FLANGE - 3/8 UNC PL
7	2	250205	BOLT, U-SQ - 1/2 UNC X 3ID X 4 IN - 1 1/2 IN THD - GR8 PL
8	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
9	4	250450	NUT, HEX 1/2 UNC GR5 PL
10	10	250557	WASHER, FLAT - 3/8 IN GR8 PL
501994 - BDL, TOOLBAR REAR QUICK COUPLING, HYD/ELEC			
ITEM	QTY.	PART NO.	DESCRIPTION
11	1	501987-1	ASSY, TOOLBAR REAR QUICK COUPLING, HYD/ELEC - BLK
12	1	501894	SHEET, MOUNT 10 GA - TOOLBAR REAR Q. D , HYD/ELEC - BLK
13	1	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
14	4	250566	WASHER, FLAT - 3/8 IN PL
15	2	250453	NUT, HEX - 3/8 UNC PL
16	4	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
17	8	250556	WASHER, FLAT - 1/2 IN - PL
18	4	250450	NUT, HEX 1/2 UNC GR5 PL
Note : Item 19 is in 404800 - BDL, LIFT KIT - STANDARD FRAME			
ITEM	QTY.	PART NO.	DESCRIPTION
19	1	404906-2	ASSY, LIFT KIT - REAR BEAM MNT - NOVA - BLK

Parts Description:

Quick Hose Disconnect Single Shoot - 10 Zone

Part Number: 501885



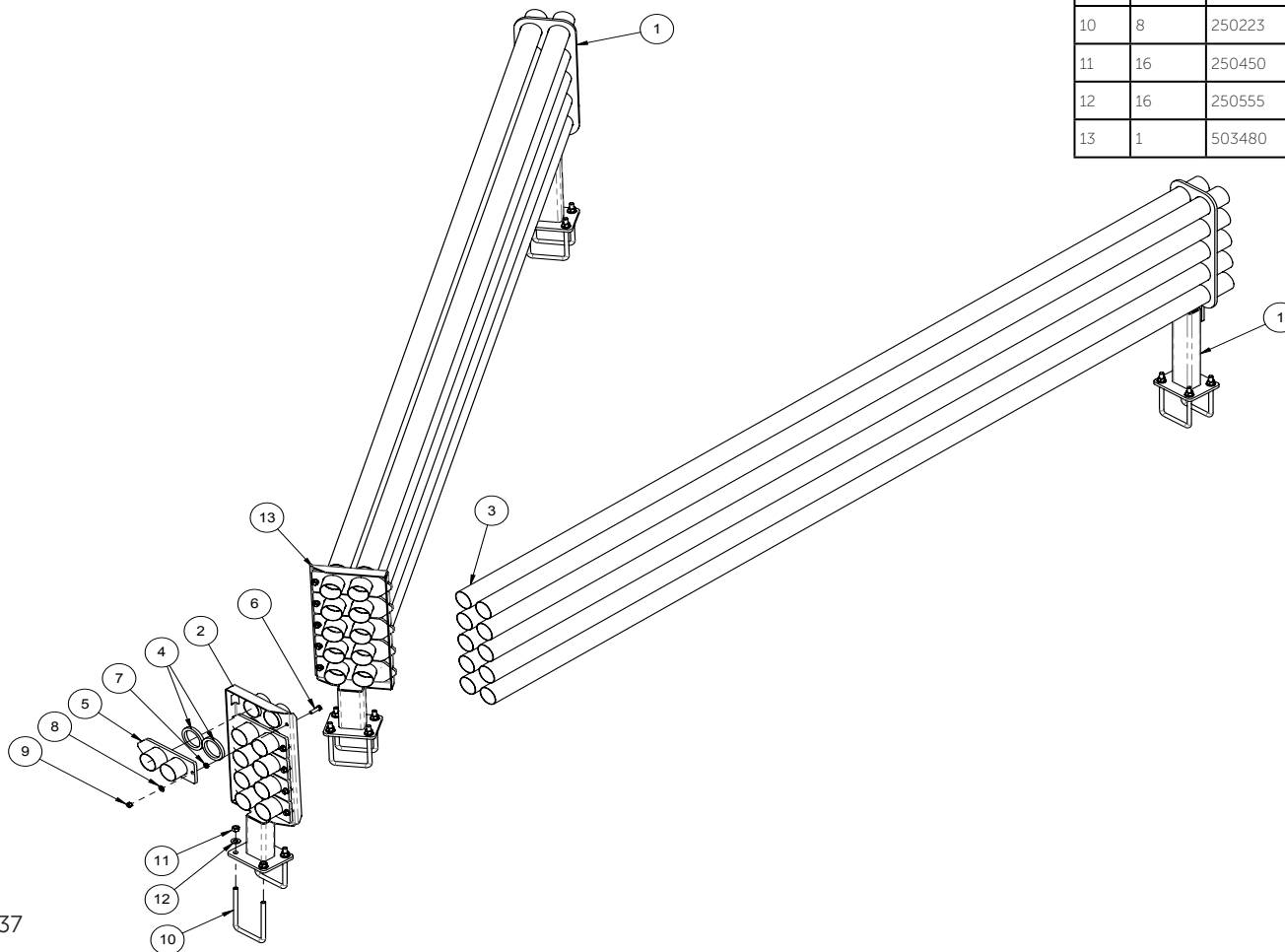
501885 - BDL, QUICK HOSE DISCONNECT - SINGLE SHOOT - 10 ZONE - NOVA - ULTRAPRO II			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	501888	ASSY, QUICK HOSE DISCONNECT - SINGLE SHOOT - NOVA - BLK
2	10	250830	GASKET, FOAM - 2 1/2 IN ID X 3 1/4 IN OD X 3/8 IN THICK
3	10	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
4	10	250466	NUT, JAM - 3/8 UNC
5	10	250400	NUT, FLANGE - 3/8 UNC PL
6	2	250205	BOLT, U-SQ - 1/2 UNC X 3ID X 4 IN - 1 1/2 IN THD - GR8 PL
7	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
8	4	250450	NUT, HEX 1/2 UNC GR5 PL
9	10	501665	ASSY, SINGLE SHOOT COUPLER - Q.D - NOVA - BLK
10	10	250557	WASHER, FLAT - 3/8 IN GR8 PL
501994 - BDL, TOOLBAR REAR QUICK COUPLING, HYD/ELEC			
ITEM	QTY.	PART NO.	DESCRIPTION
11	1	501987-1	ASSY, TOOLBAR REAR QUICK COUPLING, HYD/ELEC - BLK
12	1	501894	SHEET, MOUNT 10 GA - TOOLBAR REAR Q.D - HYD/ELEC - BLK
13	1	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
14	4	250566	WASHER, FLAT - 3/8 IN PL
15	2	250453	NUT, HEX - 3/8 UNC PL
16	4	250012	BOLT, HEX 1/2 X 5 IN GR5 PL
17	8	250556	WASHER, FLAT - 1/2 IN - PL
18	4	250450	NUT, HEX 1/2 UNC GR5 PL
Note : Item 19 is in 404800 - BDL, LIFT KIT - STANDARD FRAME			
ITEM	QTY.	PART NO.	DESCRIPTION
19	1	404906-2	ASSY, LIFT KIT - REAR BEAM MNT - NOVA - BLK

Parts Description:

2-1/2" Delivery Hose Hitch Disconnect - T/B Nova Dual Shoot

Part Number: 503460

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	503475	ASSY, DELIVERY PIPE HOLDER - DUAL SHOOT - T/B NOVA - BLK
2	1	503470-1	ASSY, DELIVERY PIPE HOLDER - DUAL SHOOT - T/B NOVA - BLK
3	20	503478	TUBE, ERW - 2 1/2 OD X 16 GA X 120" - STR - BLK
4	12	250830	GASKET, FOAM - 2 1/2 IN ID X 3 1/4 IN OD X 3/8 IN THICK
5	10	501655	ASSY, DUAL SHOOT COUPLER - Q.D - NOVA - BLK
6	10	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
7	10	250466	NUT, JAM - 3/8 UNC
8	10	250557	WASHER, FLAT - 3/8 IN GR8 PL
9	10	250453	NUT, HEX - 3/8 UNC PL
10	8	250223	BOLT, U-SQ - 1/2 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
11	16	250450	NUT, HEX 1/2 UNC GR5 PL
12	16	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
13	1	503480	ASSY, DELIVERY PIPE HOLDER - DUAL SHOOT - T/B NOVA - BLK

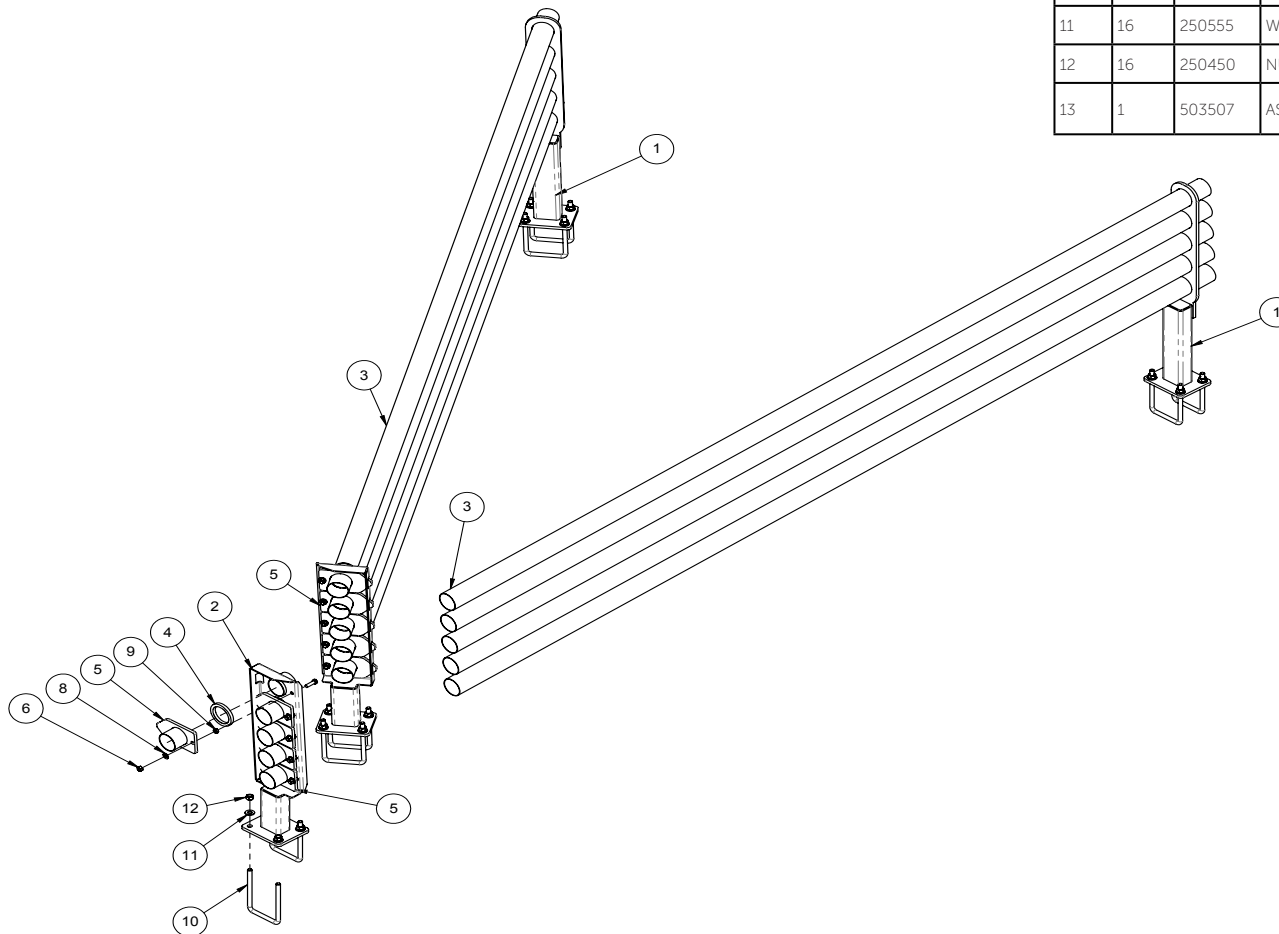


Parts Description:

2-1/2" Delivery Hose Hitch Disconnect - T/B Nova Single Shoot

Part Number: 503500

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	503510-1	ASSY, DELIVERY PIPE HOLDER - SINGLE SHOOT - T/B NOVA - BLK
2	1	503505-1	ASSY, DELIVERY PIPE HOLDER - LH - SINGLE SHOOT - T/B NOVA
3	10	503478	TUBE, ERW - 2 1/2 OD X 16 GA X 120" - STR - BLK
4	10	250830	GASKET, FOAM - 2 1/2 IN ID X 3 1/4 IN OD X 3/8 IN THICK
5	10	501665	ASSY, SINGLE SHOOT COUPLER - Q.D. - NOVA - BLK
6	10	250453	NUT, HEX - 3/8 UNC PL
7	10	250019	BOLT, HEX 3/8 X 1 1/4 IN GR5 PL
8	10	250557	WASHER, FLAT - 3/8 IN GR8 PL
9	10	250466	NUT, JAM - 3/8 UNC
10	8	250223	BOLT, U-SQ - 1/2 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL
11	16	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
12	16	250450	NUT, HEX 1/2 UNC GR5 PL
13	1	503507	ASSY, DELIVERY PIPE HOLDER - RH - SINGLE SHOOT - T/B NOVA

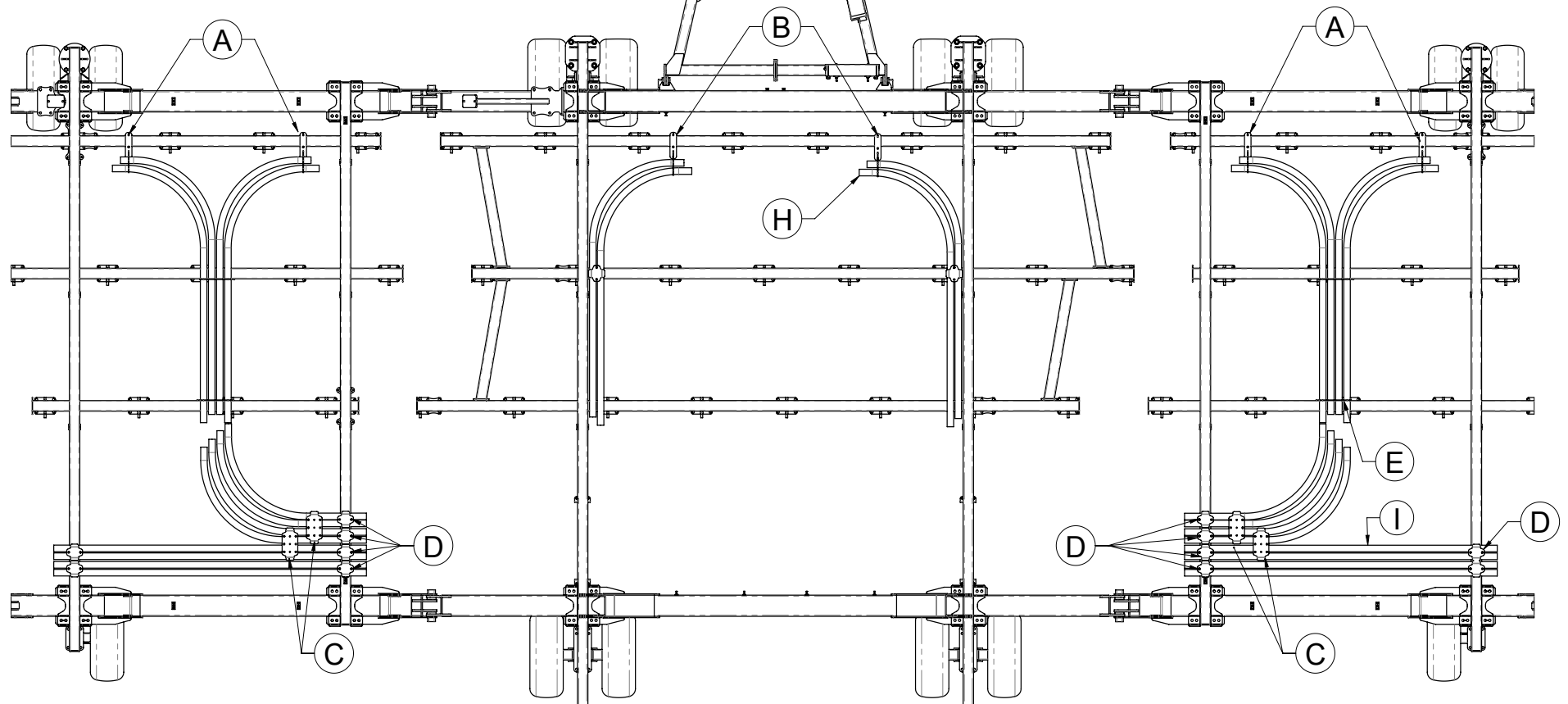


Parts Description: J-Pipes Layout Dual Shoot & Single Shoot

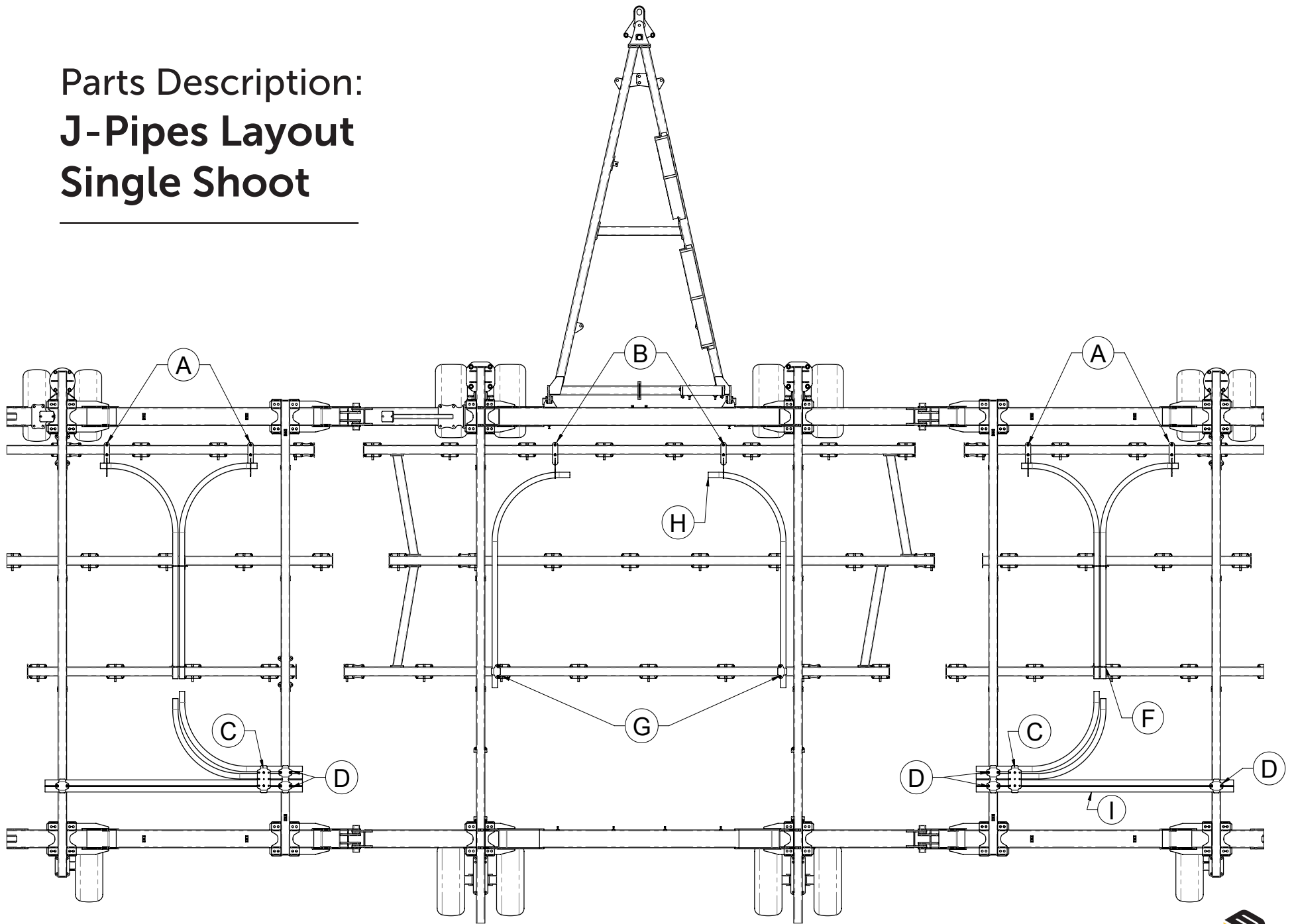
BDL, DISTRIBUTION PIPES - DUAL SHOOT	
510360	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M70/M80
510361	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M90/M80CT
510362	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M90/M80CT - 8 ZONE
510363	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - WIDE 3 PLEX
510364	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - STD 5 PLEX
510365	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - 40CT 3 PLEX
510366	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - 50CT 3 PLEX
510367	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M50
510368	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M60
510369	BDL, TOOLBAR DIST PIPES - DUAL SHOOT - 2 1/2 IN - NOVA - M100
BDL, DISTRIBUTION PIPES - DUAL SHOOT	
501371	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - WIDE 3 PLEX
501372	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - STD 5 PLEX
510373	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - 40CT 3 PLEX
510374	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - 50CT 3 PLEX
510375	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - M50
510376	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - M60
510377	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - M70/M80
510378	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - M90/M80CT
510379	BDL, TOOLBAR DIST PIPES - SINGLE SHOOT - 2 1/2 IN - NOVA - M100

ITEM NO.	DESCRIPTION	FRAME SIZE	LENGTH	PART NO.
I	TOOLBAR DISTRIBUTION - STRAIGHT PIPES	M50	62 IN	510268
		M60	90 IN	510266-1
		M70	120 IN	510265
		M80	120 IN	510265
		M80 CT	146 IN	510267-1
		M90	146 IN	510267-1
		M100	172 IN	510269
H	TOOLBAR DISTRIBUTION - CURVED PIPES	CUT TO SIZE		510317

Parts Description: J-Pipes Layout Dual Shoot



Parts Description: J-Pipes Layout Single Shoot



Parts Description:

J-Pipes Layout Pipe Holders

Dual Shoot & Single Shoot

A - 510314 - BDL, PIPE HOLDER - DISTRIBUTION - 6IN - 2 PIPE			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510315	ASSY, DELIVERY PIPE HOLDER - 6IN- 2 PIPE - BLK
2	1	250218	BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL
3	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL
4	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL

B - 510309 - BDL, PIPE HOLDER - DISTRIBUTION - 2 PIPE			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510310	ASSY, DELIVERY PIPE HOLDER - 2 PIPE - BLK
2	1	250218	BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL
3	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
4	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL

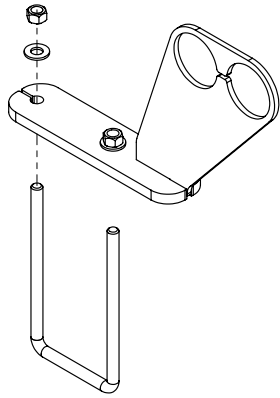
C - 510303-1 - BDL - HANGER - 4 PIPE - DISTRIBUTION			
ITEM	QTY.	PART NO.	DESCRIPTION
2	2	250053	BOLT, HEX - 3/8 X 3 1/2 UNC GR5 PL
3	2	250557	WASHER, FLAT - 3/8 IN GR8 PL
4	2	250466	NUT, JAM - 3/8 UNC
5	2	510251-1	PLATE, FRMD 10 GA - HANGER - 4 PIPE. DISTRIBUTION - BLK

D - 510302 - BDL - HANGER - 2 PIPE - DISTRIBUTION			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510250	PLATE, FRMD 10GA - PIPE HANGER - DISTRIBUTION - BLK
2	1	250219	BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL
3	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
4	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL

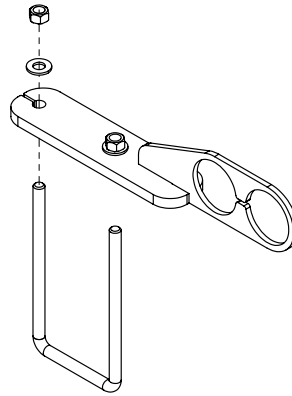
E - 510216 - BDL, PIPE HOLDER - DISTRIBUTION - 4 PIPE - OFFSET			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510217	PLATE, GUIDE 1/4 IN - DELIVERY PIPE - 4 PIPE - OFFSET - BLK
2	1	250213	BOLT, U-SQ - 1/2 UNC X 4 ID X 5 IN - 2 IN THD - GR8 PL
3	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
4	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL

F - 510219 - BDL, PIPE HOLDER - DISTRIBUTION - 2 PIPE - OFFSET			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510218	PLATE, GUIDE 1/4 IN - DELIVERY PIPE - 2 PIPE - OFFSET - BLK
2	1	250213	BOLT, U-SQ - 1/2 UNC X 4 ID X 5 IN - 2 IN THD - GR8 PL
3	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
4	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL

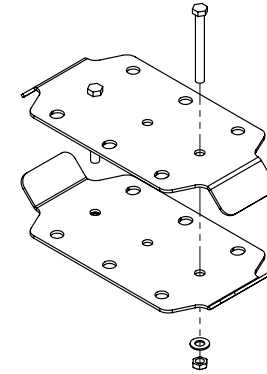
G - 510338 - BDL - HANGER - SINGLE PIPE - DISTRIBUTION			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	510337	PLATE, FRMD 10GA - PIPE HANGER - DISTRIBUTION - BLK
2	1	250219	BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL
3	2	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
4	2	250504	NUT, LOCK - 1/2 UNC - STOVER - PL



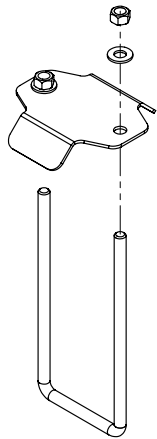
510314 - BDL, PIPE HOLDER - DISTRIBUTION - 6IN - 2 PIPE



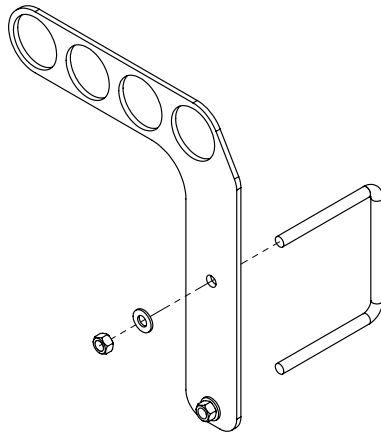
510309 - BDL, PIPE HOLDER - DISTRIBUTION - 2 PIPE



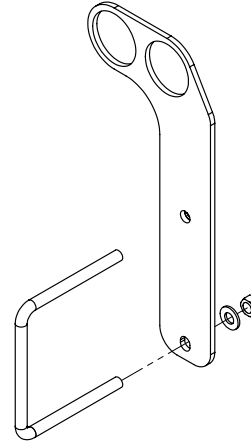
510303 - BDL - HANGER - 4 PIPE - DISTRIBUTION



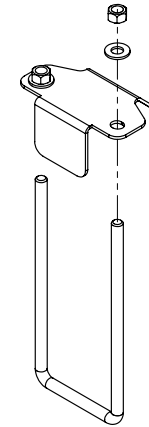
510302 - BDL - HANGER - 2 PIPE - DISTRIBUTION



510216 - BDL, PIPE HOLDER - DISTRIBUTION - 4 PIPE - OFFSET



510219 - BDL, PIPE HOLDER - DISTRIBUTION - 2 PIPE - OFFSET



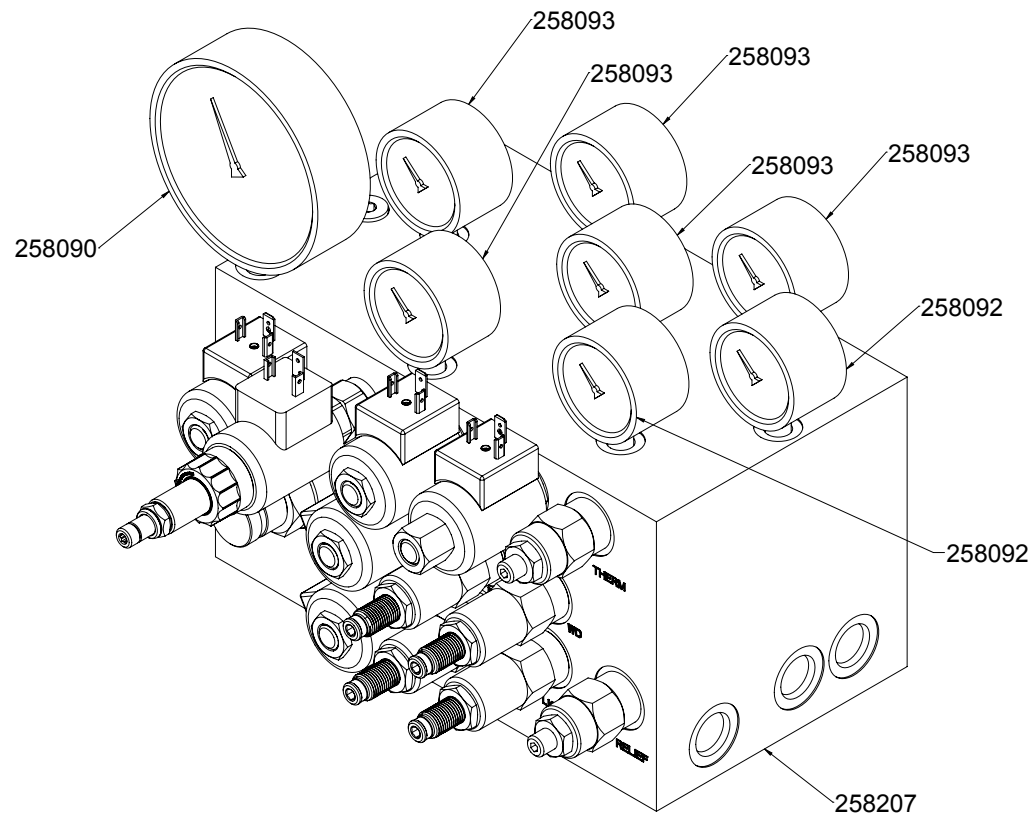
510338 - BDL - HANGER - SINGLE PIPE - DISTRIBUTION

Parts Description:

Main Hydraulic Block

Part Number: 258207

QTY.	PART NO.	DESCRIPTION
1	258350	VALVE, PILOT TO SHIFT - EATON PTS11-12-9-80-00
2	258349	VALVE, PRES-RED - EATON PRV2-10-S-0-35/15
1	258352	VALVE, SOLENOID 4W2P - EATON SV2-10-4-0-00
2	258353	SOLENOID - WING LOCK - EATON SBV11-10
1	258354	VALVE, SOLENOID - OUTER WING - EATON SV4-10-0
1	258355	VALVE, SOLENOID - FAST WING - EATON SV4-10-3
1	258356	VALVE, RELIEF - THERMAL - EATON 1DR30P20S-SP2500
1	258357	VALVE, CHECK - WING - EATON CV310P03
2	258358	COIL, 12V - EATON MCSCH012DG
3	258359	COIL, 12V - EATON MCSCJ012DG
1	258360	VALVE, RELIEF - TANK LINE - EATON 1DR30P10S
2	258351	VALVE, PRES-RED - EATON PRV2-10-S-0-25/15
1	258265	VALVE, MAIN STAGE RELIEF - SUN RPEC-8WN - SHANK PRESSURE
1	258266	VALVE, PWM PILOT STAGE - SUN RBAP-LBN - 150-1500 PSI W/MANUAL OVERRIDE
1	258298	COIL, SOLENOID - 12 VOLT - 770-212 - SUN
1	258366	CAVITY PLUG-12-4 CAVITY - BLOCK SHUTOFF PLUG





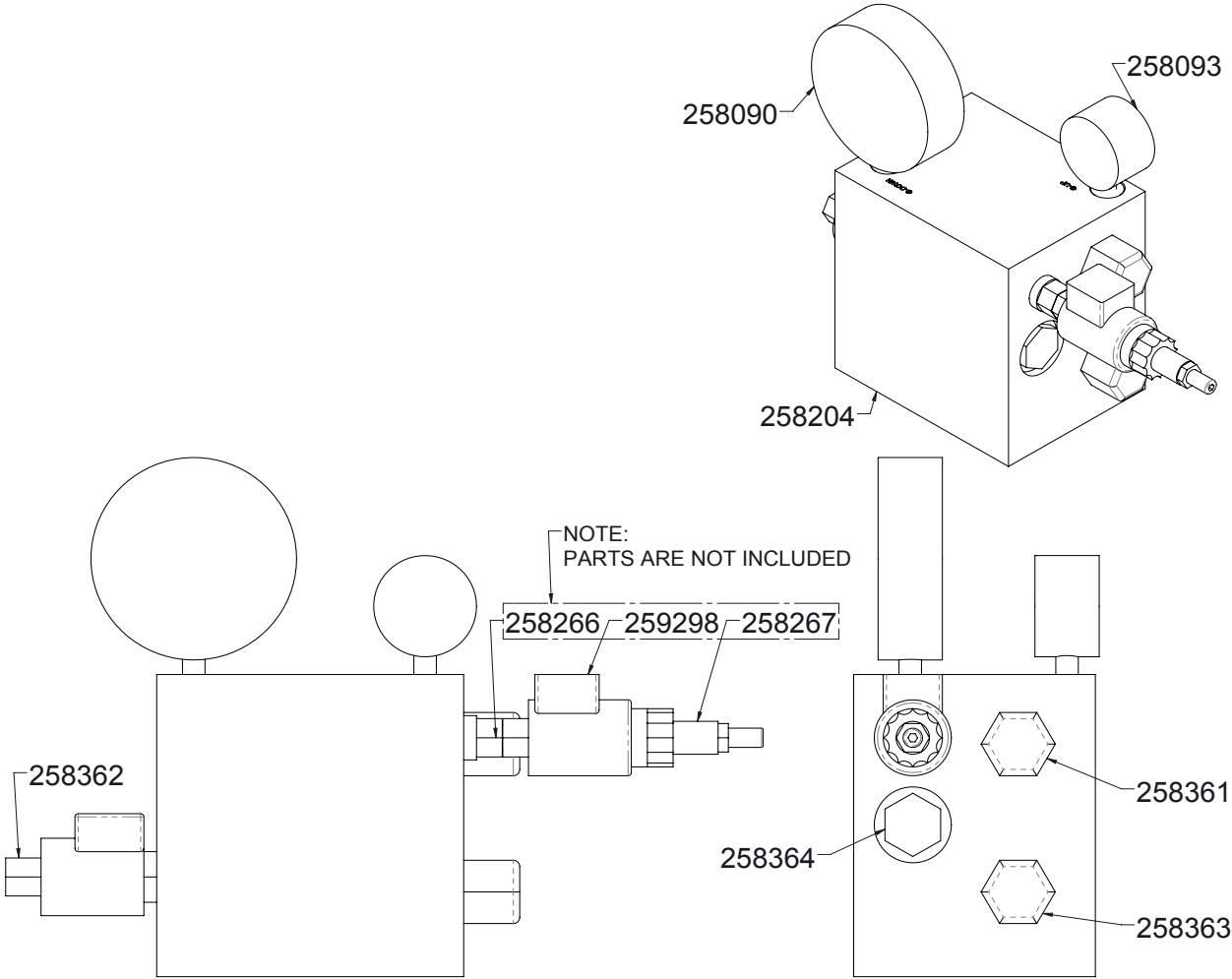
Parts Description:

Smart Openers

Hydraulic Manifold

Part Number: 258204

QTY.	PART NO.	DESCRIPTION
1	258361	VALVE, PILOT TO SHIFT - EATON PTS2-16-0-160
1	258362	VALVE, SOLENOID - EATON SV4-8-3-0-00
1	258363	VALVE, PILOT TO SHIFT - EATON PTS3-16-0-160
1	258364	VALVE, CHECK – EATON CV11-12-P-0-2.5
1	258365	VALVE, COIL, 12V - EATON MCSCS012DG
1	258267	VALVE, REDUCING/RELIEVING - SUN PPFB-8WN - SMARTOPENERS
1	258266	VALVE, PWM PILOT STAGE - SUN RBAP-LBN - 150-1500 PSI W/MANUAL OVERRIDE - SHANK PRESSURE
1	258298	COIL, SOLENOID - 12 VOLT - 770-212 - SUN



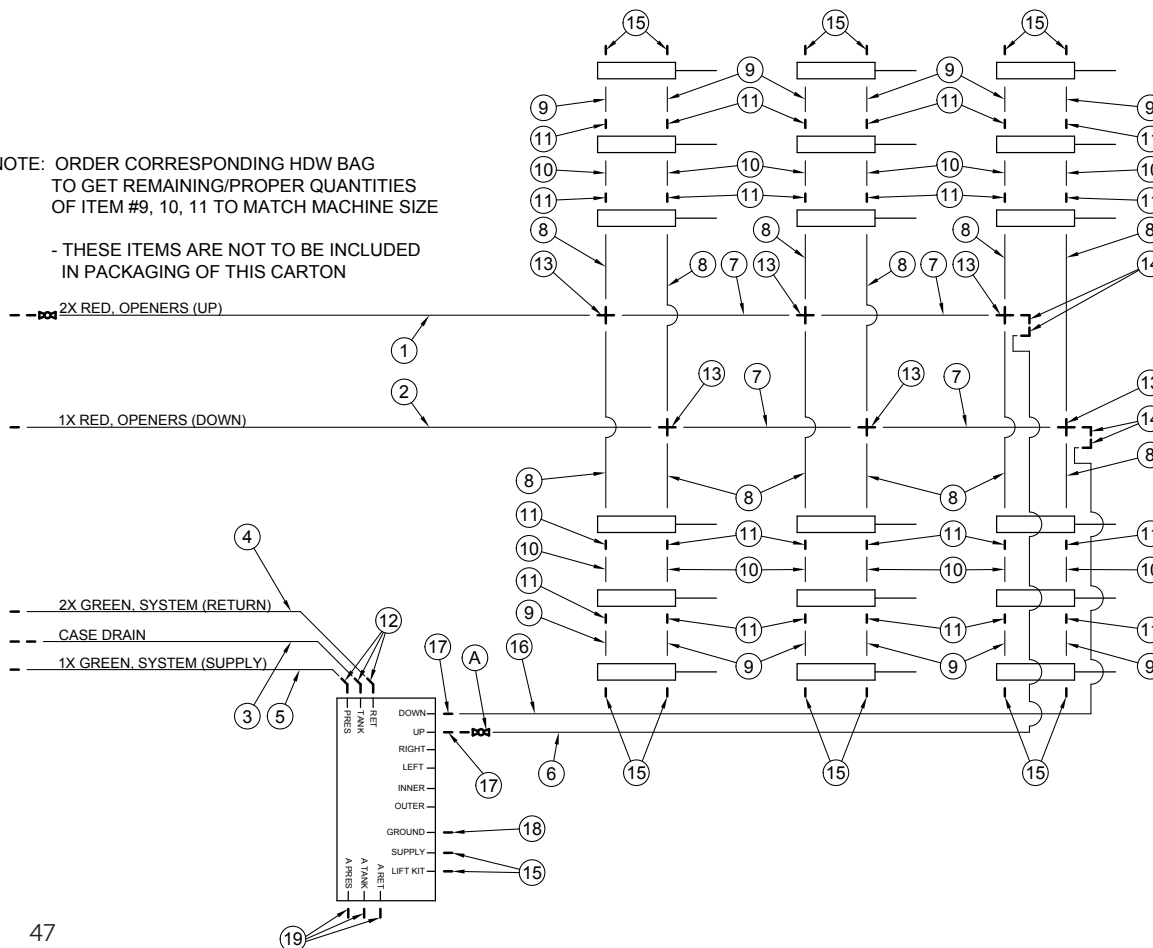
Parts Description:

Hydraulic Schematic - Openers

Part Number: 401000-7

NOTE: ORDER CORRESPONDING HDW BAG
TO GET REMAINING/PROPER QUANTITIES
OF ITEM #9, 10, 11 TO MATCH MACHINE SIZE

- THESE ITEMS ARE NOT TO BE INCLUDED
IN PACKAGING OF THIS CARTON



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401004-1	ASSY, HOSE - 1/2-2WB X 220 LOA - C/W FITTINGS - 2RED
2	1	401005-1	ASSY, HOSE - 1/2-2WB X 220 LOA - C/W FITTINGS - 1RED
3	1	401006-2	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS
4	1	401007-1	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS - 2GRN
5	1	401008-1	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS - 1GRN
6	1	401009-1	ASSY, HOSE - 3/8-2WB X 129 LOA - C/W FITTINGS
7	4	258137	HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW
8	12	258102	HOSE, 3/8-2WB X 26 LOA - 08 JIC F-SW X 06 ORB M
9	*	258103	HOSE, 3/8-2WB X 68LOA - 06 JIC F-SW X 06 ORB M
10	*	*	OPENERS - VARIES BY MACHINE
11	*	258051	CONNECTOR, 06 ORB M X 06 JIC M
12	3	258383	EL, 45D - 08 JIC M X 08 ORB M
13	6	258035	CROSS, 08 JIC M X M X M X M
14	4	258000	EL, 90D - 08 JIC M X 08 JIC F-SW
15	14	258041	PLUG, 06 ORB M
16	1	258122	HOSE, 3/8-2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW
17	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
18	1	258097	BREATHER, 06ORB M - SINTERED BRONZE
19	3	258042	PLUG, 08 ORB M
A	1	258081	VALVE, BALL - 06 NPT F X 06 NPT F - C/W HANDLE

* Varies depending on machine size

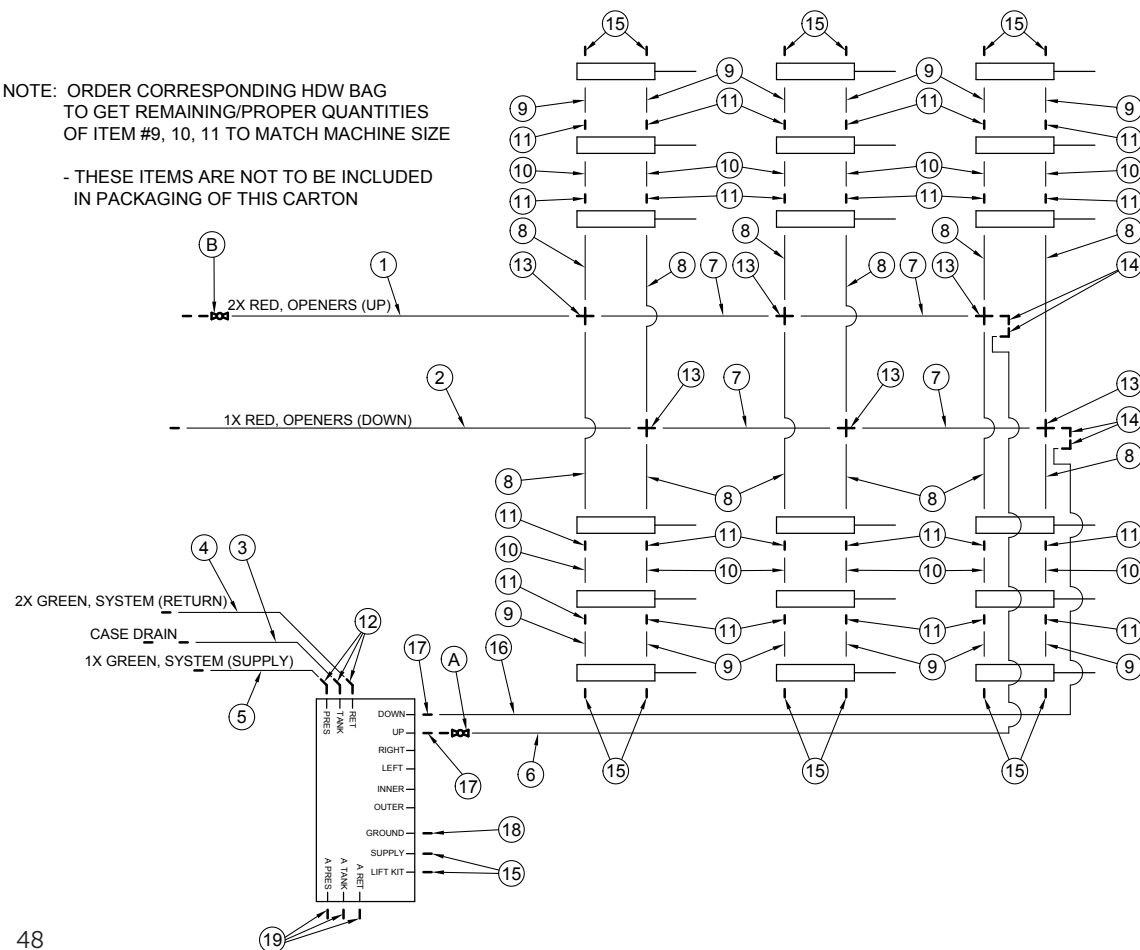
Parts Description:

Hydraulic Schematic - M-Fold Opener

Part Number: 401200-2

NOTE: ORDER CORRESPONDING HDW BAG
TO GET REMAINING/PROPER QUANTITIES
OF ITEM #9, 10, 11 TO MATCH MACHINE SIZE

- THESE ITEMS ARE NOT TO BE INCLUDED
IN PACKAGING OF THIS CARTON

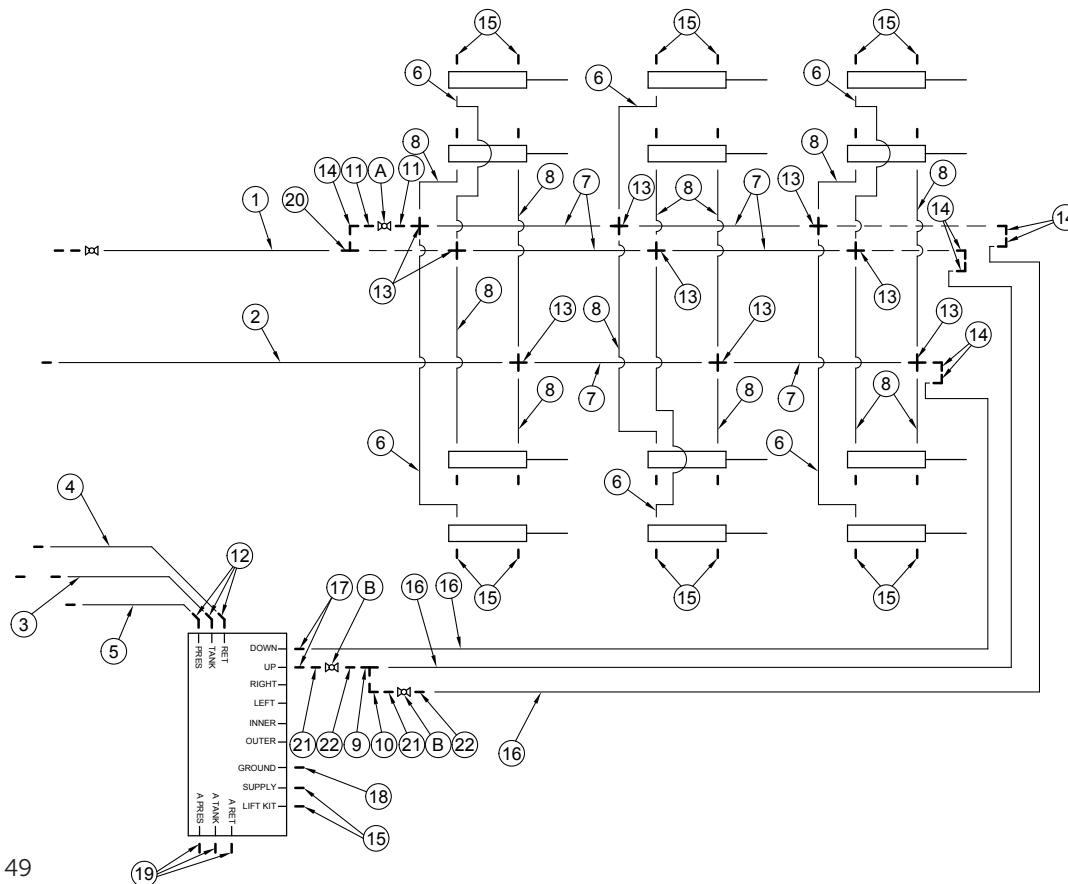


ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401202-1	ASSY, HOSE - 1/2-2WB X 280 LOA - C/W FITTINGS - 2RED
2	1	401203-1	ASSY, HOSE - 1/2-2WB X 280 LOA - C/W FITTINGS - 1RED
3	1	401204-1	ASSY, HOSE - 1/2-2WB X 264 LOA - C/W FITTINGS
4	1	401205-1	ASSY, HOSE - 1/2-2WB X 264 LOA - C/W FITTINGS - 2GRN
5	1	401206-1	ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 1GRN
6	1	401009-1	ASSY, HOSE - 3/8-2WB X 129 LOA - C/W FITTINGS
7	4	258137	HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW
8	12	258102	HOSE, 3/8-2WB X 26 LOA - 08 JIC F-SW X 06 ORB M
9	*	258103	HOSE, 3/8-2WB X 68LOA - 06 JIC F-SW X 06 ORB M
10	*	*	OPENERS VARIES BY MACHINE
11	*	258051	CONNECTOR, 06 ORB M X 06 JIC M
12	3	258383	EL, 45D - 08 JIC M X 08 ORB M
13	6	258035	CROSS, 08 JIC M X M X M X M
14	4	258000	EL, 90D - 08 JIC M X 08 JIC F-SW
15	14	258041	PLUG, 06 ORB M
16	1	258122	HOSE, 3/8-2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW
17	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
18	1	258097	BREATHER, 06ORB M - SINTERED BRONZE
19	3	258042	PLUG, 08 ORB M
A	1	258081	VALVE, BALL - 06 NPT F X 06 NPT F - C/W HANDLE
B	1	258080	VALVE, BALL - 1/2 NPT F X 1/2 NPT F - C/W HANDLE

*Varies depending on machine size

Parts Description: Hydraulic Schematic Opener Spacing Locks for M80 Toolbar

Part Number: 401003-2



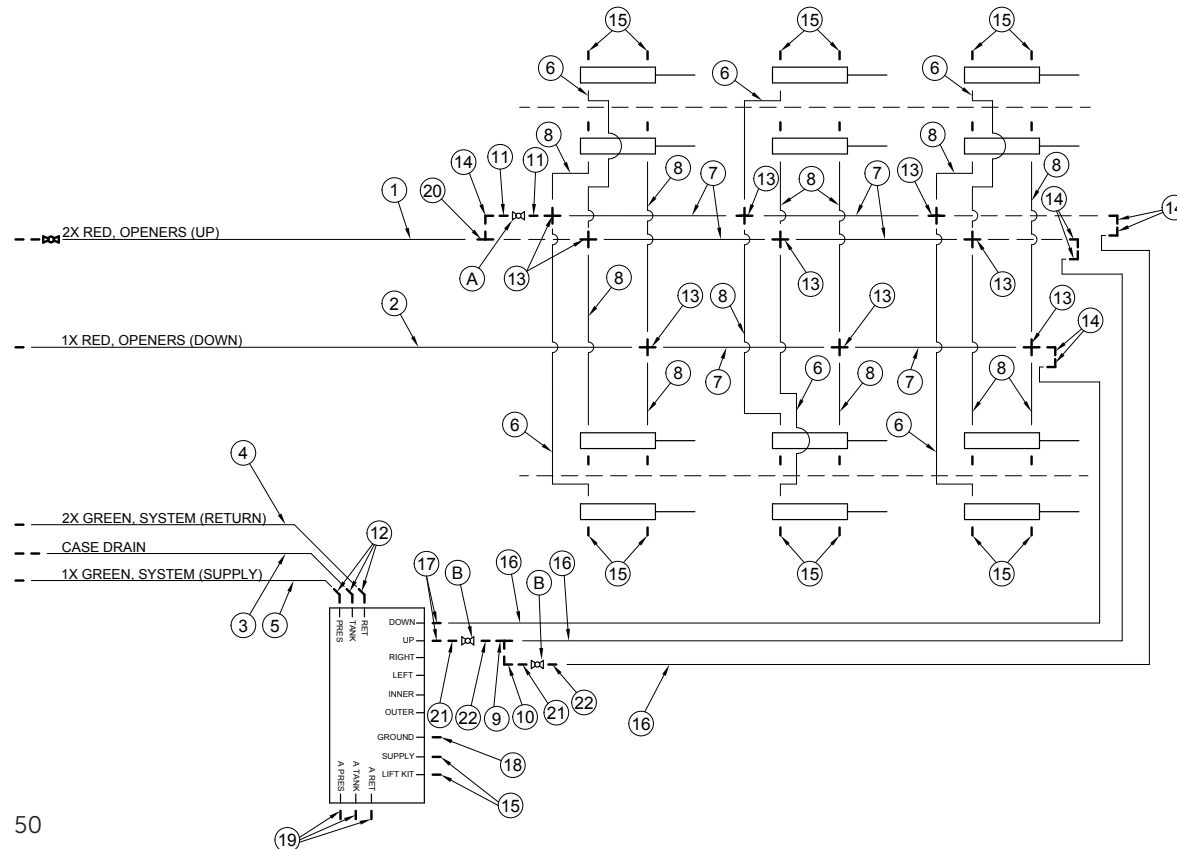
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401202-1	ASSY, HOSE - 1/2-2WB X 280 LOA - C/W FITTINGS - 2RED
2	1	401203-1	ASSY, HOSE - 1/2-2WB X 280 LOA - C/W FITTINGS - 1RED
3	1	401204-1	ASSY, HOSE - 1/2-2WB X 264 LOA - C/W FITTINGS
4	1	401205-1	ASSY, HOSE - 1/2-2WB X 264 LOA - C/W FITTINGS - 2GRN
5	1	401206-1	ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 1GRN
6	6	258316	HOSE, 3/8-2WB X 75LOA - 08 JIC F-SW X 06 ORB M
7	6	258137	HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW
8	12	258102	HOSE, 3/8-2WB X 26 LOA - 08 JIC F-SW X 06 ORB M
9	1	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
10	1	258005	EL, 90D - 06 JIC M X 06 JIC F-SW
11	2	258066	CONNECTOR, 1/2 NPT M X 08 JIC F-SW
12	3	258383	EL, 45D - 08 JIC M X 08 ORB M
13	9	258035	CROSS, 08 JIC M X M X M X M
14	7	258000	EL, 90D - 08 JIC M X 08 JIC F-SW
15	14	258041	PLUG, 06 ORB M
16	3	258122	HOSE, 3/8-2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW
17	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
18	1	258097	BREATHING, 06ORB M - SINTERED BRONZE
19	3	258042	PLUG, 08 ORB M
20	1	258020	TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN
21	2	257994	CONNECTOR, 3/8 NPT M X 06 JIC F-SW
22	2	257995	CONNECTOR, 3/8 NPT M X 06 JIC M
A	1	258080	VALVE, BALL - 1/2 NPT F X 1/2 NPT F - C/W HANDLE
B	2	258081	VALVE, BALL - 06 NPT F X 06 NPT F - C/W HANDLE

Parts Description:

Hydraulic Schematic

Opener Spacing Locks for STD Toolbar

Part Number: 401002-2



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	401004-1	ASSY, HOSE - 1/2-2WB X 220 LOA - C/W FITTINGS - 2RED
2	1	401005-1	ASSY, HOSE - 1/2-2WB X 220 LOA - C/W FITTINGS - 1RED
3	1	401006-2	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS
4	1	401007-1	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS - 2GRN
5	1	401008-1	ASSY, HOSE - 1/2-2WB X 204 LOA - C/W FITTINGS - 1GRN
6	6	258316	HOSE, 3/8-2WB X 75LOA - 08 JIC F-SW X 06 ORB M
7	6	258137	HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW
8	12	258102	HOSE, 3/8-2WB X 26 LOA - 08 JIC F-SW X 06 ORB M
9	1	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
10	1	258005	EL, 90D - 06 JIC M X 06 JIC F-SW
11	2	258066	CONNECTOR, 1/2 NPT M X 08 JIC F-SW
12	3	258383	EL, 45D - 08 JIC M X 08 ORB M
13	9	258035	CROSS, 08 JIC M X M X M X M
14	7	258000	EL, 90D - 08 JIC M X 08 JIC F-SW
15	14	258041	PLUG, 06 ORB M
16	3	258122	HOSE, 3/8-2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW
17	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
18	1	258097	BREATHING, 06ORB M - SINTERED BRONZE
19	3	258042	PLUG, 08 ORB M
20	1	258020	TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN
21	2	257994	CONNECTOR, 3/8 NPT M X 06 JIC F-SW
22	2	257995	CONNECTOR, 3/8 NPT M X 06 JIC M
A	1	258080	VALVE, BALL - 1/2 NPT F X 1/2 NPT F - C/W HANDLE
B	2	258081	VALVE, BALL - 06 NPT F X 06 NPT F - C/W HANDLE

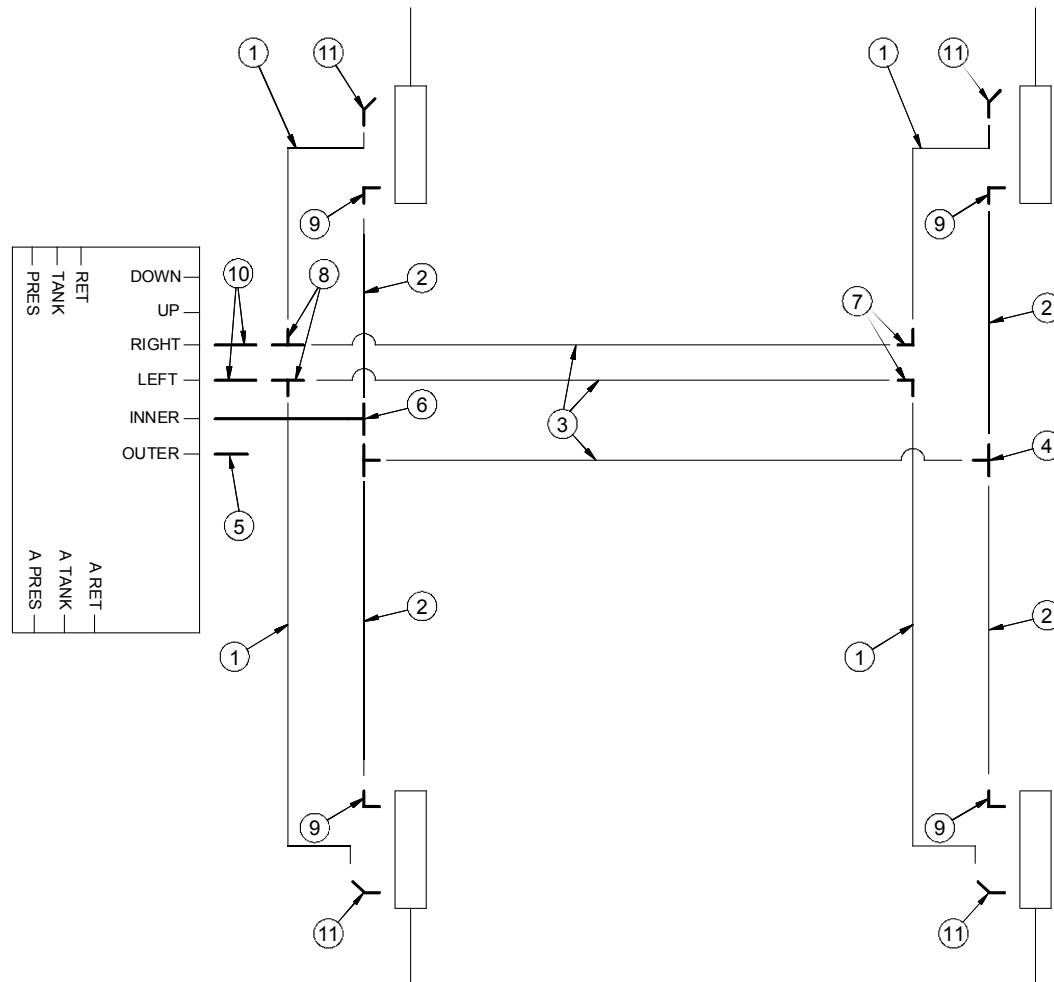
Parts Description:

Hydraulic Schematic

STD 3-Plex Wing Fold

Part Number: 401010-7

ITEM	QTY.	PART NO.	DESCRIPTION
1	4	258107	HOSE, 3/8-2WB X 87LOA - 06JIC F-SW X 06JIC F-SW
2	4	258108	HOSE, 3/8-2WB X 61LOA - 06JIC F-SW X 06JIC F-SW
3	3	258153	HOSE, 3/8-2WB X 192LOA - 06 JIC F-SW X 06 JIC F-SW
4	1	258024	TEE, 06 JIC M X 06 JIC M X 06 JIC M
5	1	258041	PLUG, 06 ORB M
6	1	258022	TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH
7	2	258382	EL, 90D - 06 JIC M X 06 JIC M
8	3	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
9	4	258002	EL, 90D - 06 JIC M X 06 ORB M
10	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
11	4	258016	EL, 45D - 06 JIC M X 06 ORB M



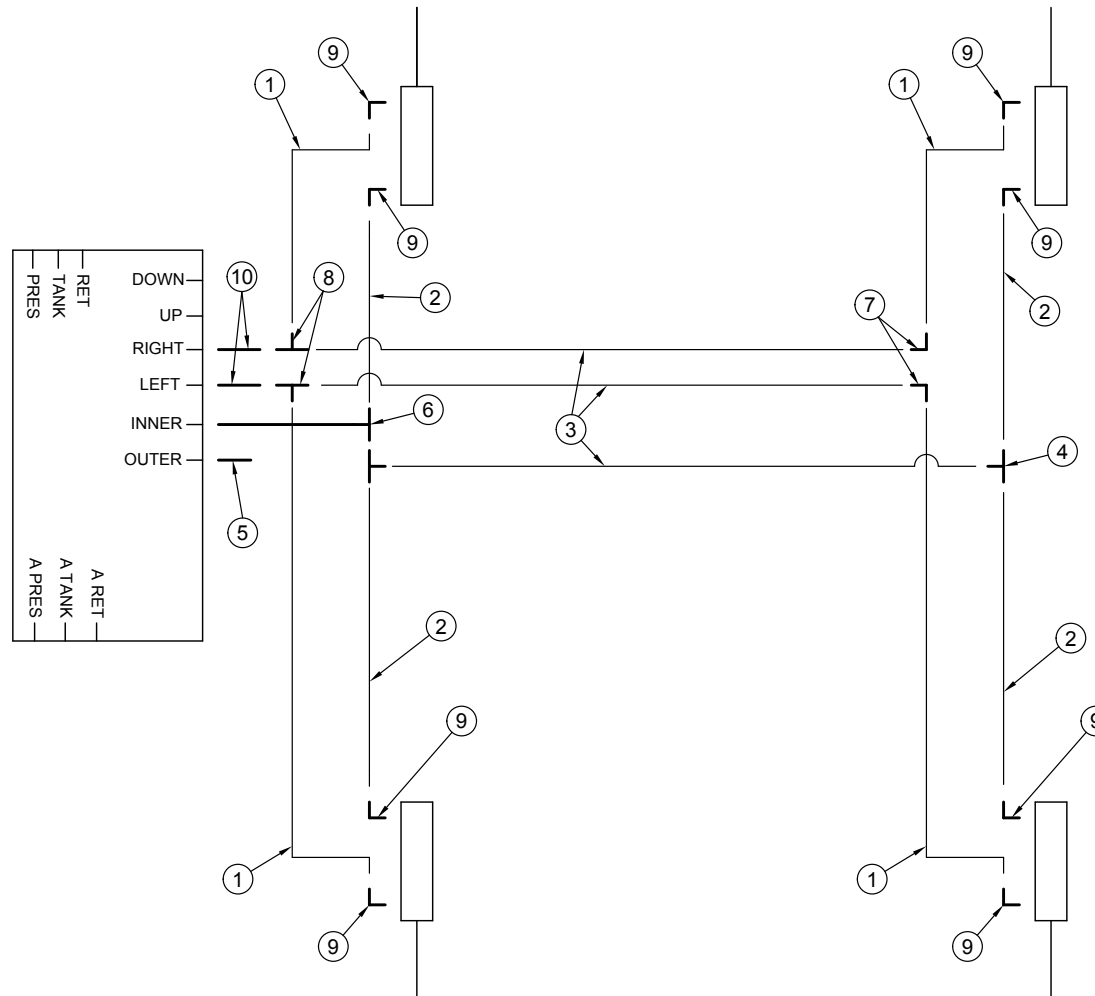
Parts Description:

Hydraulic Schematic

Wide 3-Plex Wing Fold

Part Number: 401015-6

ITEM	QTY.	PART NO.	DESCRIPTION
1	4	258114	HOSE, 3/8-2WB X 107LOA - 06JIC F-SW X 06JIC F-SW
2	4	258115	HOSE, 3/8-2WB X 81LOA - 06JIC F-SW X 06JIC F-SW
3	2	258153	HOSE, 3/8-2WB X 192LOA - 06 JIC F-SW X 06 JIC F-SW
4	1	258024	TEE, 06 JIC M X 06 JIC M X 06 JIC M
5	1	258041	PLUG, 06 ORB M
6	1	258022	TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH
7	2	258382	EL, 90D - 06 JIC M X 06 JIC M
8	3	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
9	8	258002	EL, 90D - 06 JIC M X 06 ORB M
10	1	258051	CONNECTOR, 06 ORB M X 06 JIC M

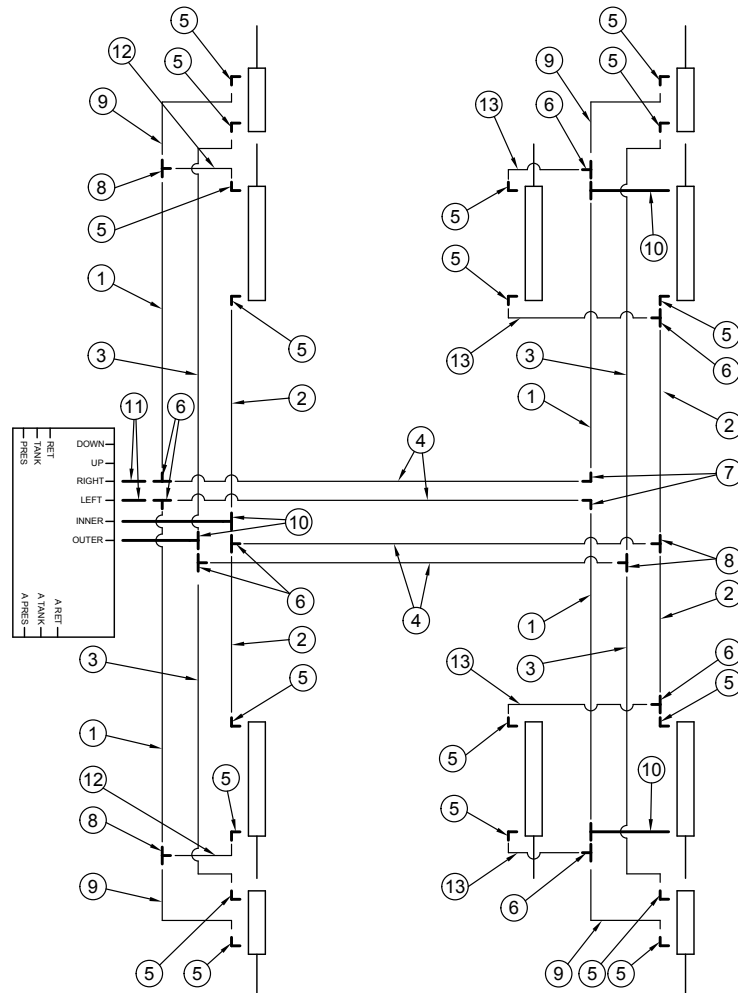


Parts Description:

Hydraulic Schematic

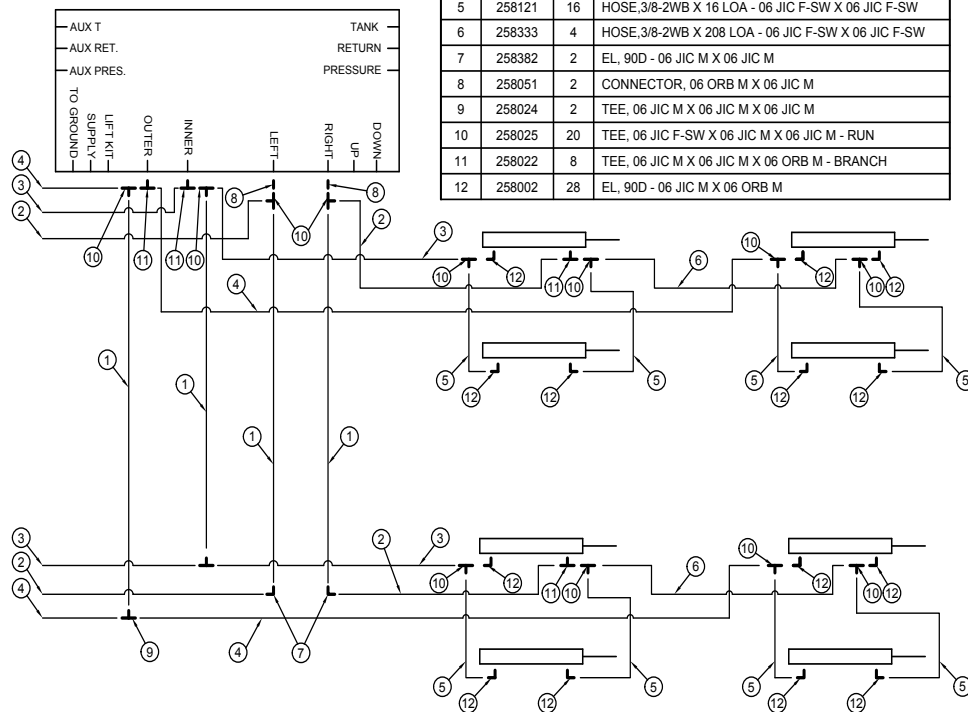
STD 5-Plex Wing Fold

Part Number: 401020-9



ITEM	QTY.	PART NO.	DESCRIPTION
1	4	258114	HOSE, 3/8-2WB X 107LOA - 06JIC F-SW X 06JIC F-SW
2	4	258115	HOSE, 3/8-2WB X 81LOA - 06JIC F-SW X 06JIC F-SW
3	4	258162	HOSE, 3/8-2WB X 228LOA - 06 JIC F-SW X 06 JIC F-SW
4	4	258153	HOSE, 3/8-2WB X 192LOA - 06 JIC F-SW X 06 JIC F-SW
5	18	258002	EL, 90D - 06 JIC M X 06 ORB M
6	8	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
7	2	258382	EL, 90D - 06 JIC M X 06 JIC M
8	4	258024	TEE, 06 JIC M X 06 JIC M X 06 JIC M
9	4	258418	HOSE, 3/8-2WB X 146 LOA - 06JIC F-SW X 06JIC F-SW
10	4	258022	TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH
11	2	258051	CONNECTOR, 06 ORB M X 06 JIC M
12	2	258121	HOSE, 3/8-2WB X 16LOA - 06JIC F-SW X 06JIC F-SW
13	4	258186	HOSE, 3/8-2WB X 24LOA - 06 JIC F-SW X 06 JIC F-SW

Parts Description: "M" Wing Fold



M90 - PART #: 401031

ITEM	PART NO.	QTY.	DESCRIPTION
1	258153	4	HOSE, 3/8-2WB X 192 LOA - 06 JIC F-SW X 06 JIC F-SW
2	258166	4	HOSE, 3/8-2WB X 120 LOA - 06 JIC F-SW X 06 JIC F-SW
3	258179	4	HOSE, 3/8-2WB X 80 LOA - 06 JIC F-SW X 06 JIC F-SW
4	258159	4	HOSE, 3/8-2WB X 296 LOA - 06 JIC F-SW X 06 JIC F-SW
5	258121	16	HOSE, 3/8-2WB X 16 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258333	4	HOSE, 3/8-2WB X 208 LOA - 06 JIC F-SW X 06 JIC F-SW
7	258382	2	EL, 90D - 06 JIC M X 06 JIC M
8	258051	2	CONNECTOR, 06 ORB M X 06 JIC M
9	258024	2	TEE, 06 JIC M X 06 JIC M X 06 JIC M
10	258025	20	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
11	258022	8	TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH
12	258002	28	EL, 90D - 06 JIC M X 06 ORB M

M100 (SAME AS M90 KIT + HOSE EXTENSION USED WITH ITEM #6 SHOWN BELOW)

ITEM	PART NO.	QTY.	DESCRIPTION
6	258186	8	HOSE, 3/8-2WB X 24 LOA - 06 JIC F-SW X 06 JIC F-SW

M80 - PART #: 401025-5 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)

ITEM	PART NO.	QTY.	DESCRIPTION
4	258132	4	HOSE, 3/8-2WB X 270 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258168	4	HOSE, 3/8-2WB X 184 LOA - 06 JIC F-SW X 06 JIC F-SW

M80CT - PART #: 401029-2 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)

ITEM	PART NO.	QTY.	DESCRIPTION
2	258124	4	HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW
3	258110	4	HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW
4	258128	4	HOSE, 3/8-2WB X 256 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258333	4	HOSE, 3/8-2WB X 208 LOA - 06 JIC F-SW X 06 JIC F-SW

M70 - PART #: 401024-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)

ITEM	PART NO.	QTY.	DESCRIPTION
2	258124	4	HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW
3	258110	4	HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW
4	258335	4	HOSE, 3/8-2WB X 222 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258188	4	HOSE, 3/8-2WB X 181 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW

M60 - PART #: 401023-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)

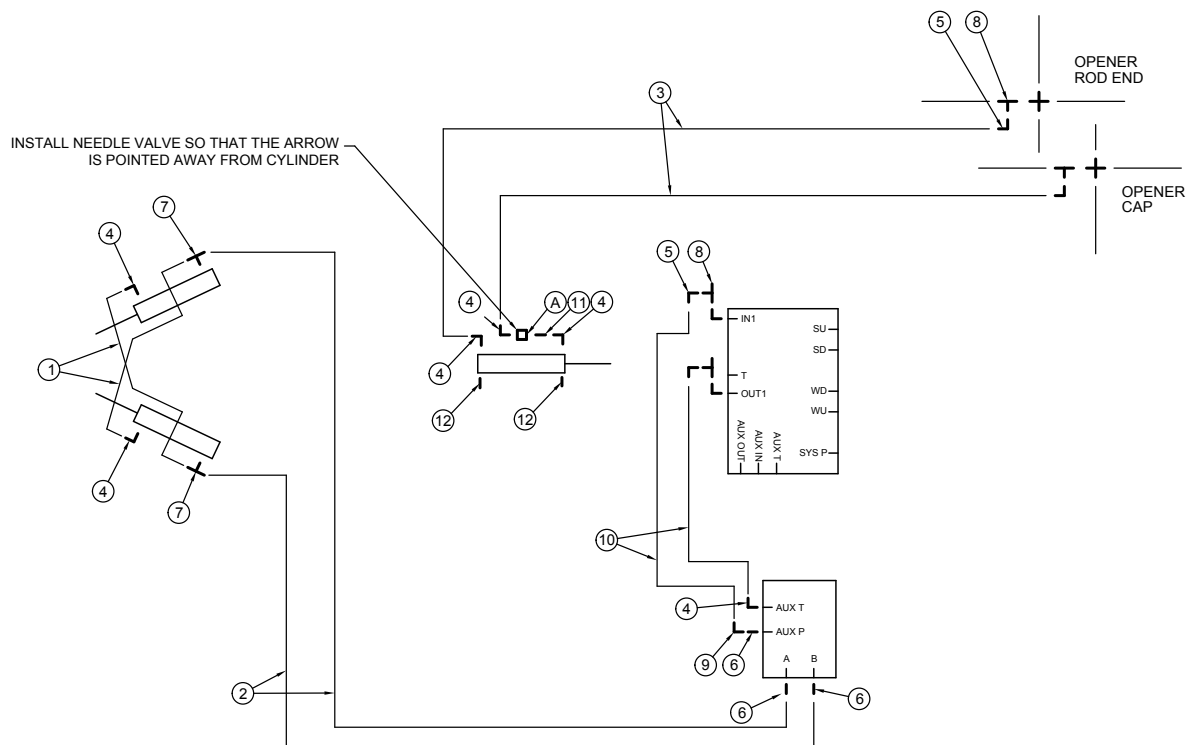
ITEM	PART NO.	QTY.	DESCRIPTION
2	258124	4	HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW
3	258110	4	HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW
4	258153	4	HOSE, 3/8-2WB X 196 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258118	4	HOSE, 3/8-2WB X 152 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW

M50 - PART #: 401026-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)

ITEM	PART NO.	QTY.	DESCRIPTION
2	258124	4	HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW
3	258110	4	HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW
4	258334	4	HOSE, 3/8-2WB X 172 LOA - 06 JIC F-SW X 06 JIC F-SW
6	258113	4	HOSE, 3/8-2WB X 132 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW

Parts Description:
Hydraulic Schematic - Smart Hitch
 Part Number: 401400-4

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	258141	HOSE, 3/8-2WB X 30 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW
2	2	258143	HOSE, 3/8-2WB X 133LOA - 06JIC F-SW X 06JIC F-SE
3	2	258149	HOSE,3/8-2WBX 160 LOA - 06JIC F-SW X 08JIC F-SW
4	6	258002	EL, 90D - 06 JIC M X 06 ORB M
5	4	258000	EL, 90D - 08 JIC M X 08 JIC F-SW
6	3	258051	CONNECTOR, 06 ORB M X 06 JIC M
7	2	258022	TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH
8	4	258020	TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN
9	1	258005	EL, 90D - 06 JIC M X 06 JIC F-SW
10	2	258154	HOSE, 3/8-2WB X 31 LOA - 06 JIC F-SW X 08 JIC F-SW
11	1	258059	CONNECTOR, 06 ORB M X 06 JIC F-SW
12	2	258041	PLUG, 06 ORB M
A	1	258085	VALVE, NEEDLE - HIGH SPEC - 06 ORB F X 06 ORB F - SMART HITCH



NOTE : LETTERED COMPONENTS ARE PICKED SEPERATELY FROM HYDRAULIC KIT

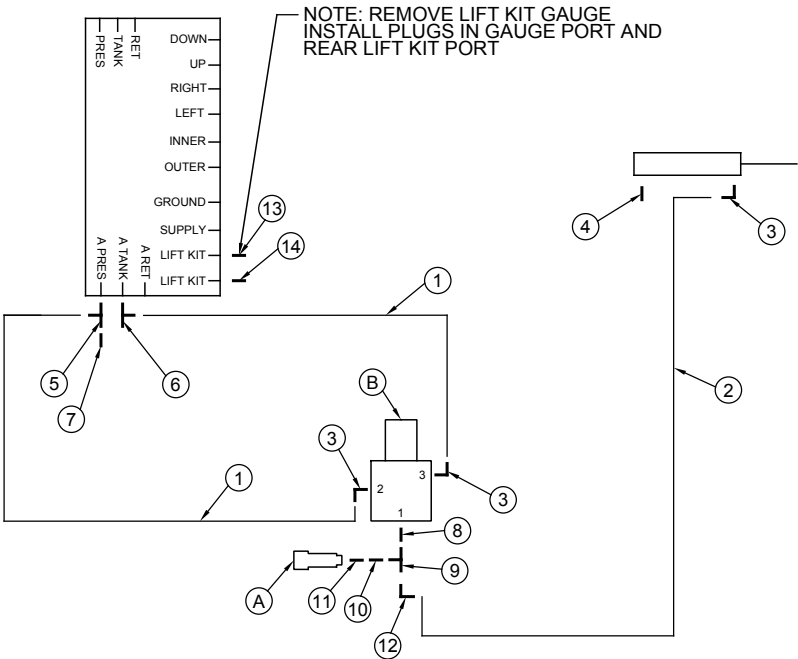
Parts Description:

Hydraulic Schematic - Lift Kit

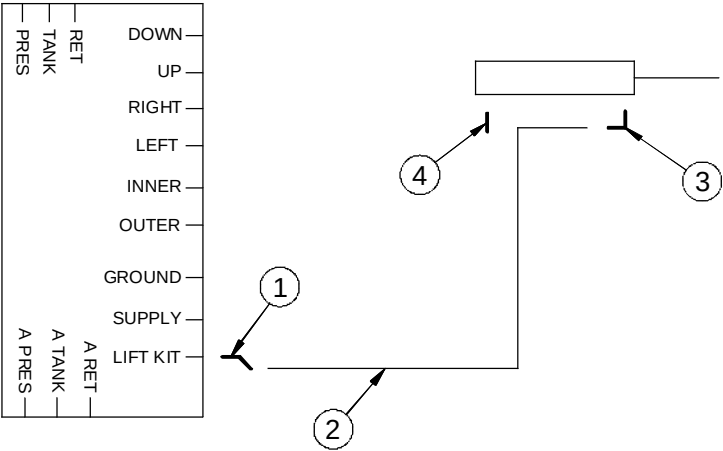
Part Number: 401215-5 - Hyd. Lift Kit
401216 - Hyd. Lift Kit - Add On

401215-5 - CTN, HYD - LIFT KIT			
ITEM	QTY	PART NO.	DESCRIPTION
1	1	258016	EL, 45D - 06 JIC M X 06 ORB M
2	1	258192	HOSE, 3/8-2WB X 48 LOA - 06 JIC F-SW X 06 JIC F-SW
3	1	258002	EL, 90D - 06 JIC M X 06 ORB M
4	1	258097	BREATHER, 06ORB M - SINTERED BRONZE
401216-2 - CTN, HYD - LIFT KIT - ELEC/PROP ADD-ON			
ITEM	QTY	PART NO.	DESCRIPTION
1	2	258154	HOSE, 3/8-2WB X 31 LOA - 06 JIC F-SW X 08 JIC F-SW
2	1	258192	HOSE, 3/8-2WB X 48 LOA - 06 JIC F-SW X 06 JIC F-SW
3	2	258002	EL, 90D - 06 JIC M X 06 ORB M
4	1	258097	BREATHER, 06ORB M - SINTERED BRONZE
5	1	258023	TEE, 08 ORB M X 08 JIC M X 08 JIC M - RUN
6	1	258020	TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN
7	1	258045	CAP, 08 JIC F
8	1	258051	CONNECTOR, 06 ORB M X 06 JIC M
9	1	258025	TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN
10	1	258038	CONNECTOR, 06 JIC F-SW X 1/4 NPT F
11	1	257985	CONNECTOR, 04 ORB F X 1/4 NPT M
12	2	258005	EL, 90D - 06 JIC M X 06 JIC F-SW
13	1	258041	PLUG, 06 ORB M
14	1	258044	PLUG, 04 ORB M

401216



401215-5



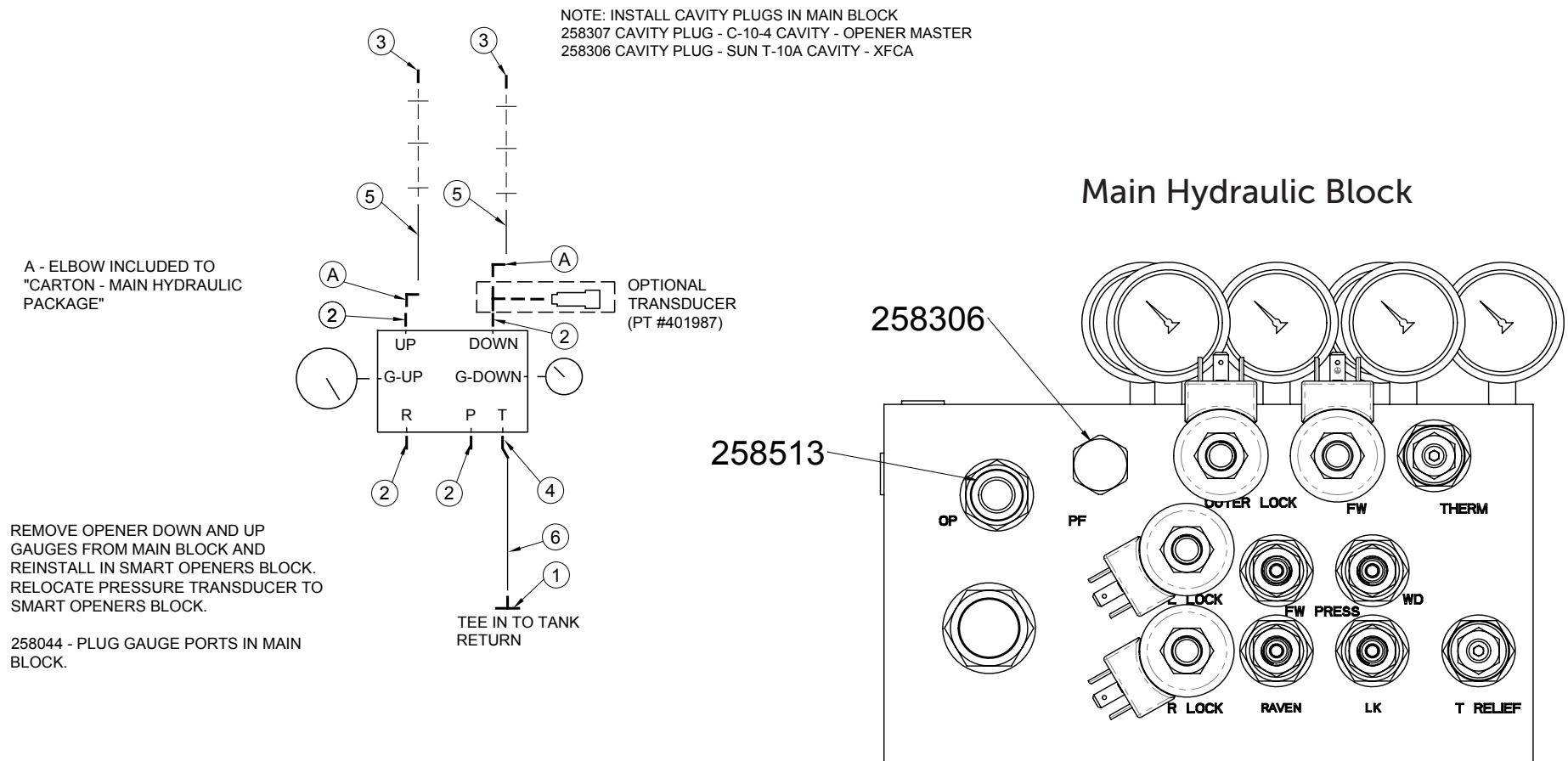
Parts Description:

Hydraulic Schematic

Smart Openers - Add On

Part Number: 401625-2

401625-2 - CTN, HYD - SMART OPENERS - ADD ON			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	258020	TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN
2	4	258379	CONNECTOR, 16 ORB M X 08 JIC M
3	2	258045	CAP, 08 JIC F
4	1	258051	CONNECTOR, 06 ORB M X 06 JIC M
5	2	258218	HOSE, 1/2-2WB X 18LOA - 08JIC F-SW X 08JIC F-SW
6	1	258154	HOSE, 3/8-2WB X 31 LOA - 06 JIC F-SW X 08 JIC F-SW
	2	258044	HOSE, 3/8-2WB X 31 LOA - 06 JIC F-SW X 08 JIC F-SW



Parts Description:

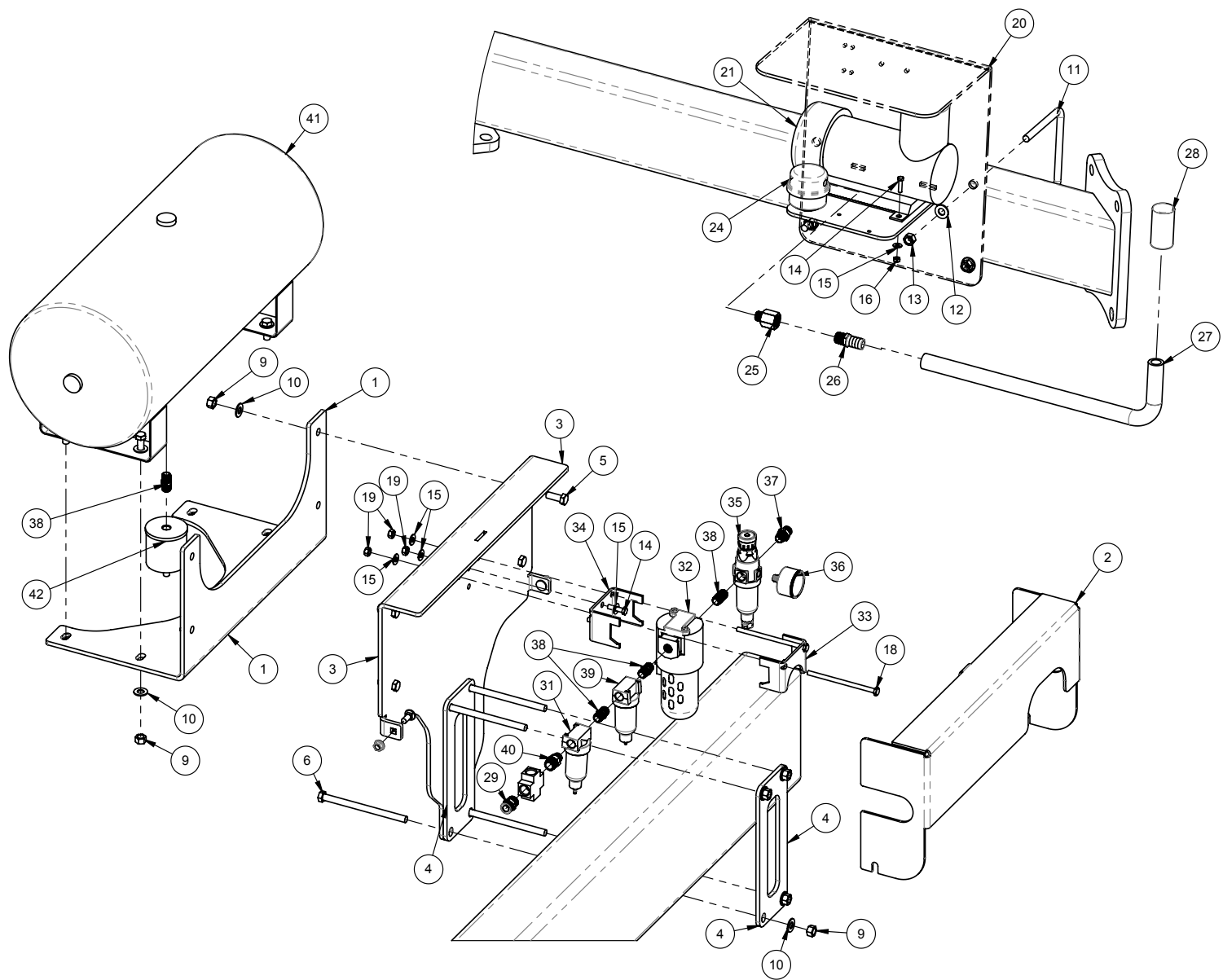
Air Tank and Compressor

Part Number: 402114-5

402114-5 BDL, ZONE COMMAND - COMPRESSED AIR SYSTEM MNT/HDW			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	402159	PLATE, FRMD 1/4 IN - MOUNT - AIR TANK - BLK
2	1	402118-3	PLATE, FRMD 10 GA IN - COVER - COMPRESSOR RELAY
3	1	402115-7	PLATE, FRMD 1/4 IN - AIR TANK MOUNT - ZONE COMMAND
4	2	402113	PLATE, BOLT 1/4 IN - AIR TANK MOUNT - ZONE COMMAND
5	8	250036	BOLT, HEX 3/8 X 1 IN GR5 PL
6	4	250092	BOLT, HEX 3/8 X 5 1/2 IN GR5 PL
7	2	250106	BOLT, CARRIAGE - 5/16 X 3/4 IN UNC GR5 PL
8	2	250403	NUT, FLANGE - 5/16 UNC PL
9	12	250453	NUT, HEX - 3/8 UNC PL
10	16	250557	WASHER, FLAT - 3/8 IN GR8 PL
11	2	250213	BOLT, U-SQ - 1/2 UNC X 4 ID X 5 IN - 2 IN THD - GR8 PL
12	4	250555	WASHER, FLAT - 1/2 IN - GR8 - PL
13	4	250450	NUT, HEX 1/2 UNC GR5 PL
14	6	250033	BOLT, HEX 1/4 X 1 IN GR5 PL
15	12	250559	WASHER, FLAT - 1/4 IN - PL
16	6	250458	NUT, HEX - 1/4 UNC PL
17	2	250122	BOLT, HEX 1/4 X 3/4 IN GR5 PL
18	2	250573	BOLT, HEX 1/4 X 2 1/2 IN GR5 PL
19	4	250507	NUT, LOCK - 1/4 UNC - STOVER - PL
ITEM (20 - 42) ARE IN 408779-9 - BDL, COMPRESSED AIR SYSTEM COMPONENTS			
ITEM	QTY.	PART NO.	DESCRIPTION
20	1	402137-1	ASSY, COMPRESSOR MOUNT - PACBRAKE
21	1	257112	COMPRESSOR, KIT - 12VDC - PACBRAKE #HP10626

22	1	257153	TERMINAL STRIP - 2 POS 75A - WAYTEK #47382
23	1	257152	RELAY, CONTACTOR 12V - 80A - WAYTEK #77031
24	1	257109	FILTER, COMPRESSOR INTAKE - HOUSING W/FILTER
25	1	260570	ADAPTOR, BRASS - REDUCER - 3/8 MPT X 1/2 FPT
26	1	260571	ADAPTOR, BRASS - 1/2 MPT X 3/4 HB
27	1	256527	HOSE, RUBBER 3/4 IN (200 PSI)
28	1	260490	SCREEN, PRE-FILTER, COMPRESSOR INTAKE
29	1	260520	CONNECTOR, 3/8 NPT M X 3/8 PUSH ON - AIR
30	1	260535	ADAPTOR, BRASS - CROSS - 3/8 MPT - FEMALE
31	1	260574	FILTER, PARTICULATE - 14F15BB
32	1	260573	DRYER DESICCANT - WILKERSON - X06-02-000
33	1	402132	SHEET, FRMD 10 GA - MOUNT PLATE - FRT - BLK
34	1	402129	SHEET, FRMD 10 GA - MOUNT PLATE - REAR - BLK
35	1	260503	REGULATOR/FILTER, AIR - PARKER - ZONE COMMAND
36	1	260551	ADAPTOR, BRASS - 1/2 MPT X 3/4 HB
37	1	260516	CONNECTOR - 1/4 NPT M X 3/8 PUSH ON - AIR
38	4	260576	ADAPTOR, BRASS - NIPPLE - 1/4 NPT
39	1	260575	FILTER, COALESCING - 10F15ED
40	1	260526	ADAPTOR, BRASS - HEX NIPPLE - 3/8 MPT x 1/4 MPT
41	1	257108	TANK, AIR - 5 GAL
42	1	260513	AUTOMATIC DRIP LEG DRAIN - 1/4 IN - 06D1NA - PARKER





Parts Description:

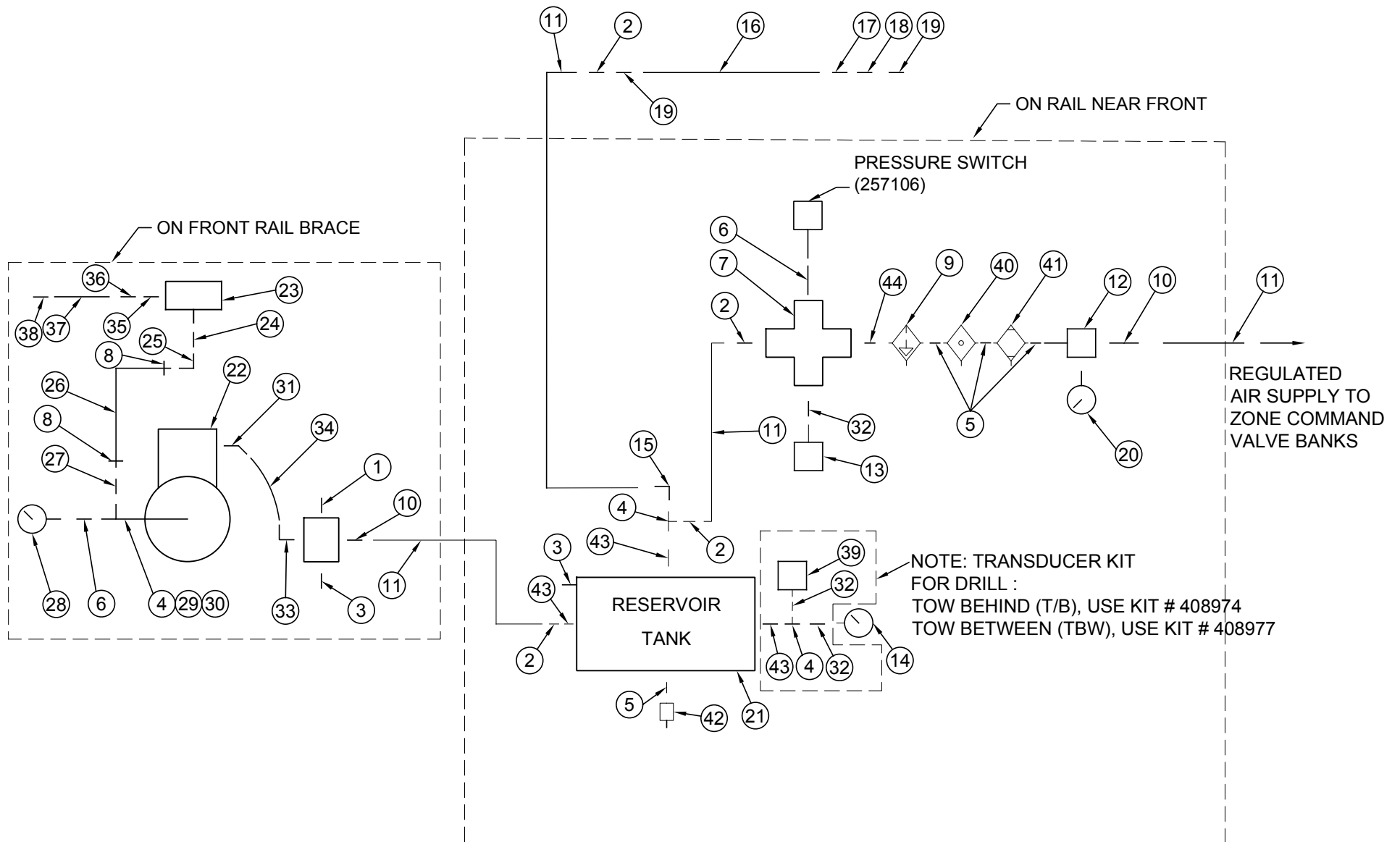
Auto Zone Command

Air Compressor Tank

Part Number: 408970

408779-5 - BDL, PNEUMATIC COMPONENTS - COMPRESSED AIR SYSTEM			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	258602	PLUG, 1/8 NPT M
2	4	260520	CONNECTOR, 3/8 NPT M X 3/8 PUSH ON - AIR
3	2	258601	PLUG, 1/4 NPT M
4	3	260534	ADAPTOR, BRASS - STREET TEE - 3/8 NPT
5	4	260576	ADAPTOR, BRASS - NIPPLE - 1/4 NPT
6	2	260542	ADAPTOR, BRASS - BUSHING - 3/8 MPT X 1/8 FPT
7	1	260535	ADAPTOR, BRASS - CROSS - 3/8 MPT - FEMALE
8	2	250837	CLAMP, HOSE - WHITE 3/4 IN - 7/8 IN - SHC-50
9	1	260574	FILTER, PARTICULATE - 14F15BB
10	2	260516	CONNECTOR - 1/4 NPT M X 3/8 PUSH ON - AIR
11	100 FT	260541	TUBE, AIR - 3/8 IN - BLACK
12	1	260503	REGULATOR/FILTER, AIR - PARKER - ZONE COMMAND
13	1	260504	VALVE, RELIEF - AIR - PARKER
14	1	260545	GAUGE, AIR - 1/4 NPT M - 0 - 150 PSI
15	1	260524	ELBOW, 90D - 3/8 NPT M X 3/8 IN PUSH ON - AIR
16	1	260543-1	HOSE ASSY, AIR - 3/8 IN X 72 IN - 3/8 NPT MXM
17	1	260532	VALVE, PLUG - 3/8 NPT M X F - BRASS
18	1	260527	COUPLER, QUICK - AIR - FEMALE BODY - 3/8 NPT F
19	1	260539	ADAPTOR, BRASS - COUPLER - 3/8 NPT
20	1	260551	GAUGE, AIR - 1/8 NPT M - 0 - 160 PSI
21	1	257108	TANK, AIR - 5 GAL
22	1	257112	COMPRESSOR, KIT - 12VDC - PACBRAKE #HP10626

ITEM	QTY.	PART NO.	DESCRIPTION
23	1	257109	FILTER, COMPRESSOR INTAKE - HOUSING W/FILTER
24	1	260544	ADAPTOR, BRASS - BULKHEAD - 1/2 NPT
25	1	260556	ADAPTOR, BRASS - 90 MALE 1/2 NPT HOSE BARB
26	1.2 FT	256526	HOSE, RUBBER - 1/2IN - G221
27	1	260553	ADAPTOR, BRASS - MALE 3/8 NPT HOSE BARB 1/2 IN
28	1	258328	GAUGE, VACUUM - STEM MOUNT 1/8" NPT
29	1	260554	LOCKNUT, BRASS - 3/8 NPT
30	1	250648	O-RING, 2-113 - NITRILE 70 DUROMETER
31	1	260567	ADAPTOR, BRASS - 45D 3/8 MPT X 3/8 AIR BRAKE
32	1	260536	ADAPTOR, BRASS - BUSHING - 3/8 MPT X 1/4 FPT
33	1	260566	ADAPTOR, BRASS - 90D 3/8 MPT X 3/8 AIR BRAKE
34	1	260569	TUBE, AIR - 3/8 IN - 7 1/4 IN L - TEFLON PTFE
35	1	260570	ADAPTOR, BRASS - REDUCER - 3/8 MPT X 1/2 FPT
36	1	260571	ADAPTOR, BRASS - 1/2 MPT X 3/4 HB
37	1	256527	HOSE, RUBBER 3/4 IN (200 PSI)
38	1	260490	SCREEN, PRE-FILTER, COMPRESSOR INTAKE
39	1	260807	TRANSDUCER, PRESSURE - AIR - RAVEN - 250PSI
40	1	260575	FILTER, COALESCING - 10F15ED
41	1	260573	DRYER, AIR - DESICCANT - WILKERSON - X06-02-000
42	1	260513	AUTOMATIC DRIP LEG DRAIN - 1/4 IN - 06D1NA - PARKER
43	3	260565	ADAPTOR, BRASS - REDUCER - 1/4 MPT X 3/8 FPT
44	1	260526	ADAPTOR, BRASS - HEX NIPPLE - 3/8 MPT X 1/4 MPT



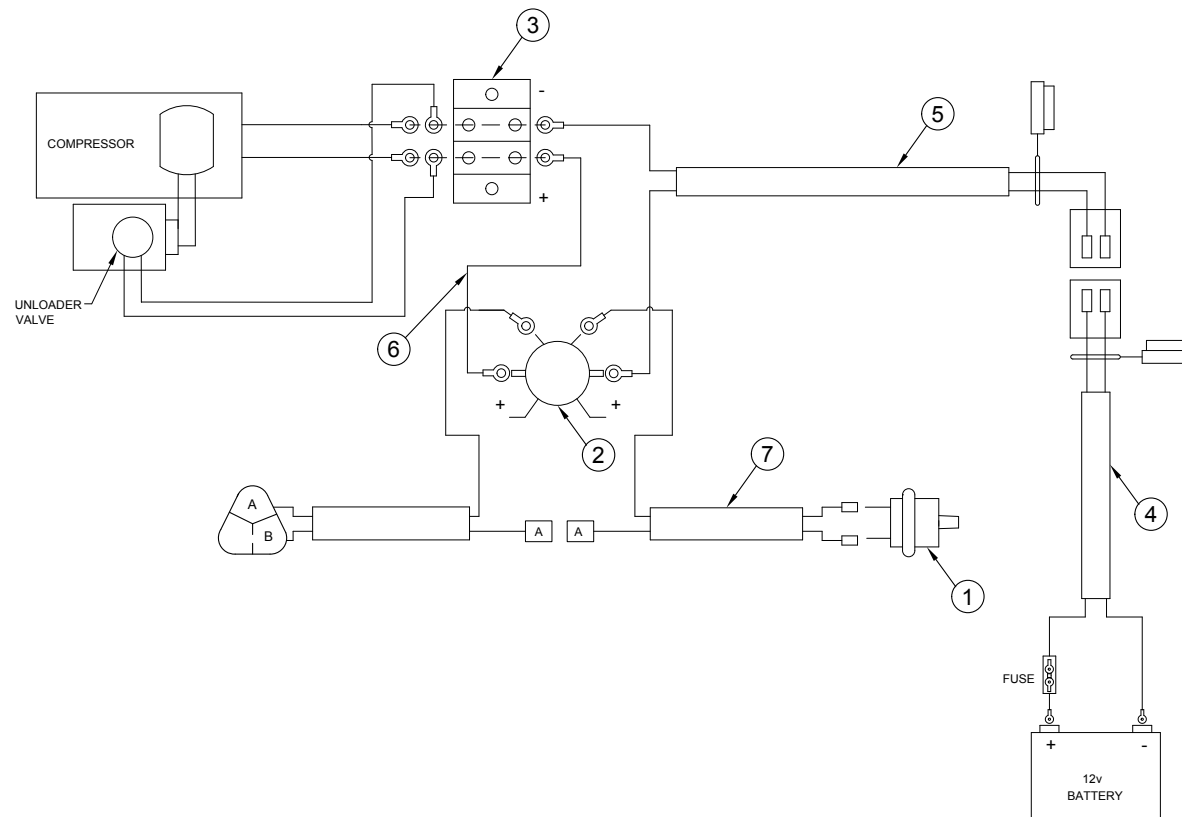
Parts Description:

Electrical Schematic

Air Compressor

Part Number: 408790-4

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	257106	PRESSURE SWITCH - 85/105 PSI ON/OFF - 1/8 NPT - VIAIR #90101
2	1	257152	RELAY, CONTACTOR 12V - 80A - WAYTEK #77031
3	1	257153	TERMINAL STRIP - 2 POS 75A - WAYTEK #47382
4	1	401718-1	ASSY, WIRE HARNESS - COMPRESSOR - BATTERY TO HITCH
5	1	401719-2	ASSY, WIRE HARNESS - COMPRESSOR - HITCH TO RELAY
6	1	401720-2	ASSY, WIRE HARNESS - COMPRESSOR - RELAY TO COMPRESSOR.
7	1	401721-2	WIRE HARNESS - COMPRESSOR - RELAY/PRESSURE SWITCH

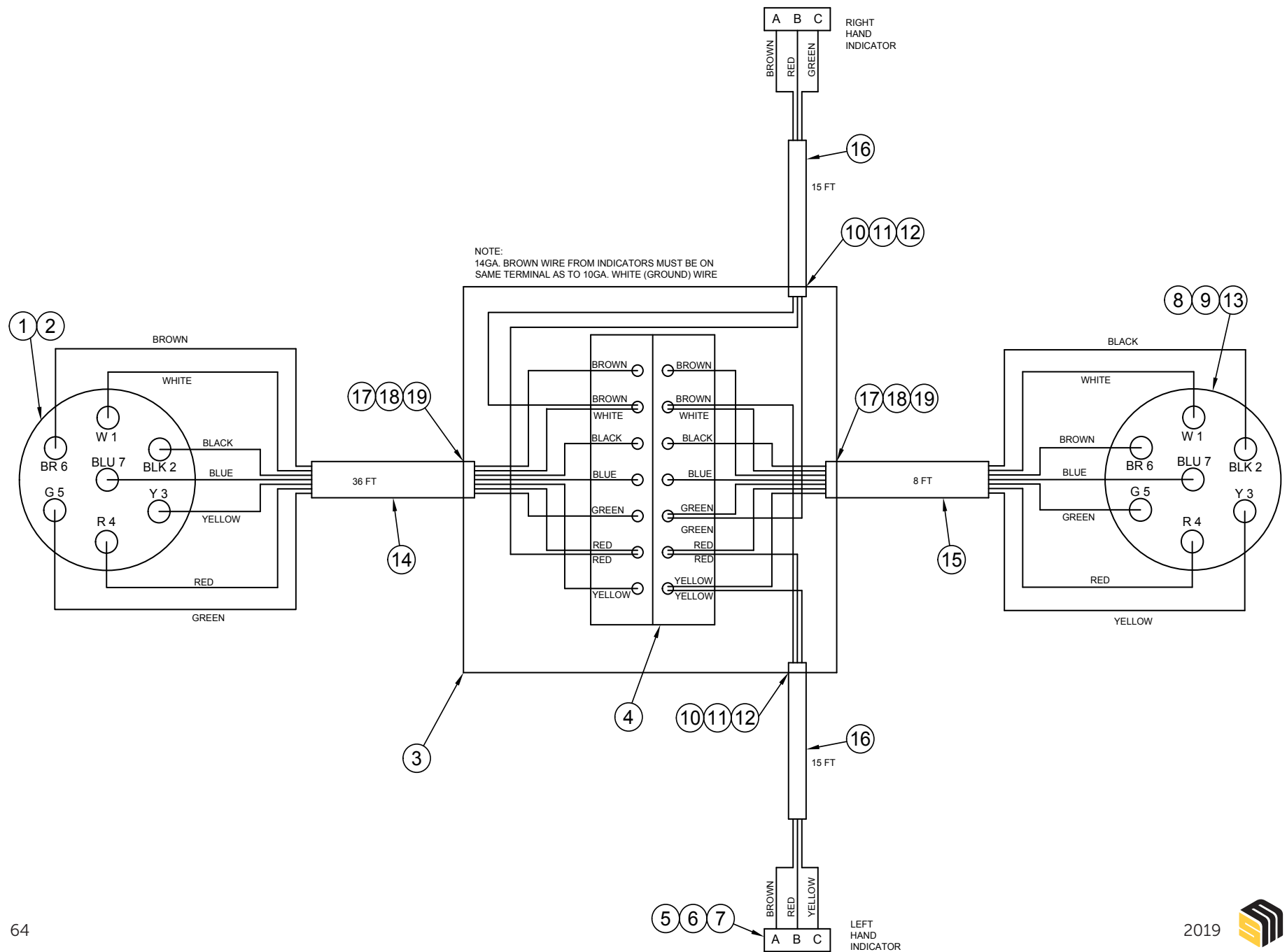


Parts Description:

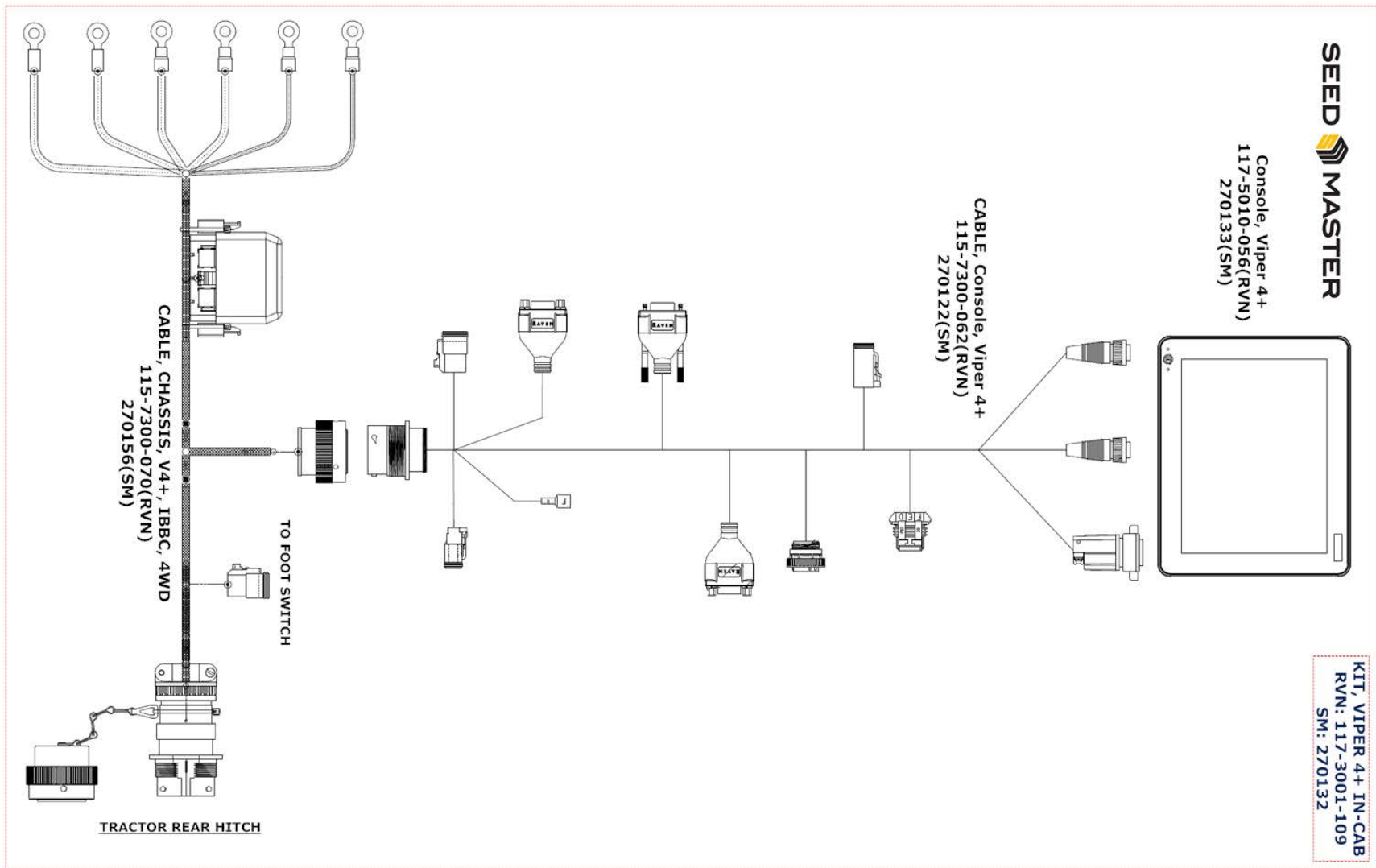
Wire Harness - Clearance Light

Part Number: 401519-3
401522-2
401524-3

401519-3 - WIRE HARNESS - CLEARANCE LIGHT - STANDARD - SEEDMASTER			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	257012	PLUG, CONNECTOR - 7 WAY - PLASTIC
2	1	257014	CABLE GUARD SPRING - PLUG
3	1	257100	TERMINAL BOX
4	1	257101	TERMINAL STRIP - 4 POLE - #10
5	2	257064	CONNECTOR, 3 PIN - SHROUD HALF-WEATHER PACK
6	6	257051	TERMINAL, MALE - WEATHER PACK - 16-14GA
7	6	257069	SEAL, CABLE - BLUE- WEATHER PACK
8	1	257013	SOCKET, CONNECTOR - 7 WAY - PLASTIC
9	1	257015	BOOT - SOCKET
10	2	257083	STRAIN RELIEF - FLEX NUT - 1/2 NPT
11	2	257084	STRAIN RELIEF - LOCK NUT - 1/2 NPT
12	2	257085	STRAIN RELIEF - SEAL RING - 1/2 IN
13	1	257016	BRACKET, MNT - 7 WAY SOCKET - BLACK
14	1	257178	CABLE, 7 WIRE - 432 IN - 6/12 GA - 1/10 GA
15	1	257178	CABLE, 7 WIRE - 96 IN - 6/12 GA - 1/10 GA
16	2	257036	CABLE, 4 WIRE - 360 IN - 14 GA - WT14
17	2	257184	STRAIN RELIEF - FLEX NUT - 3/4 NPT
18	2	257185	STRAIN RELIEF - LOCK NUT - 3/4 NPT
19	2	257186	STRAIN RELIEF - SEAL RING - 3/4 IN
401522-2 - WIRE HARNESS - CLEARANCE LIGHT - M80 - SEEDMASTER			
ITEM	QTY.	PART NO.	DESCRIPTION
14	1	257178	CABLE, 7 WIRE - 480 IN - 6/12 GA - 1/10 GA
16	2	257036	CABLE, 4 WIRE - 396 IN - 14 GA - WT14
401524-3 - WIRE HARNESS - CLEARANCE LIGHT - M70 - SEEDMASTER			
ITEM	QTY.	PART NO.	DESCRIPTION
14	1	257178	CABLE, 7 WIRE - 480 IN - 6/12 GA - 1/10 GA
16	2	257036	CABLE, 4 WIRE - 312 IN - 14 GA - WT14



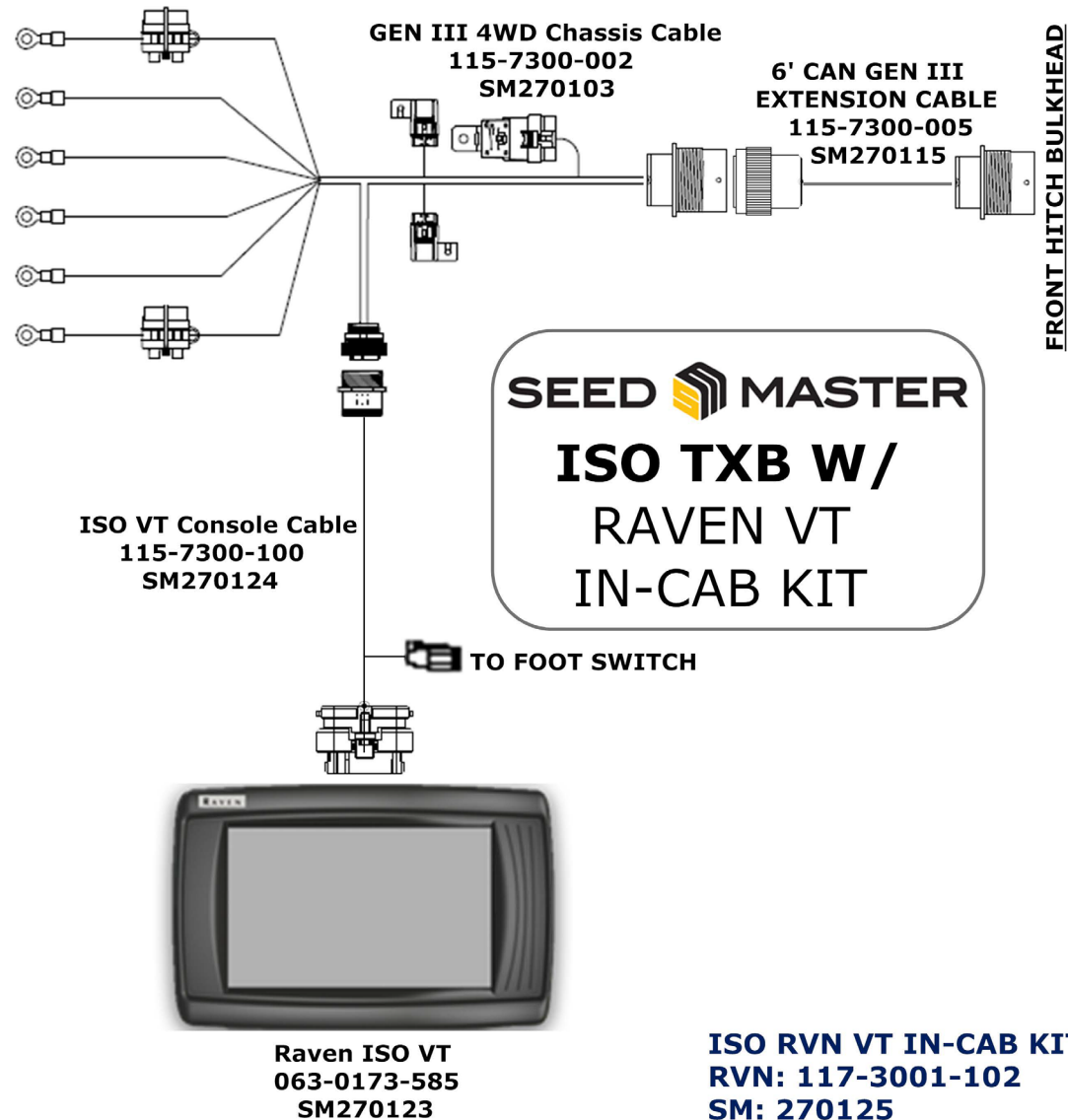
Parts Description: Viper 4+ In-Cab Kit



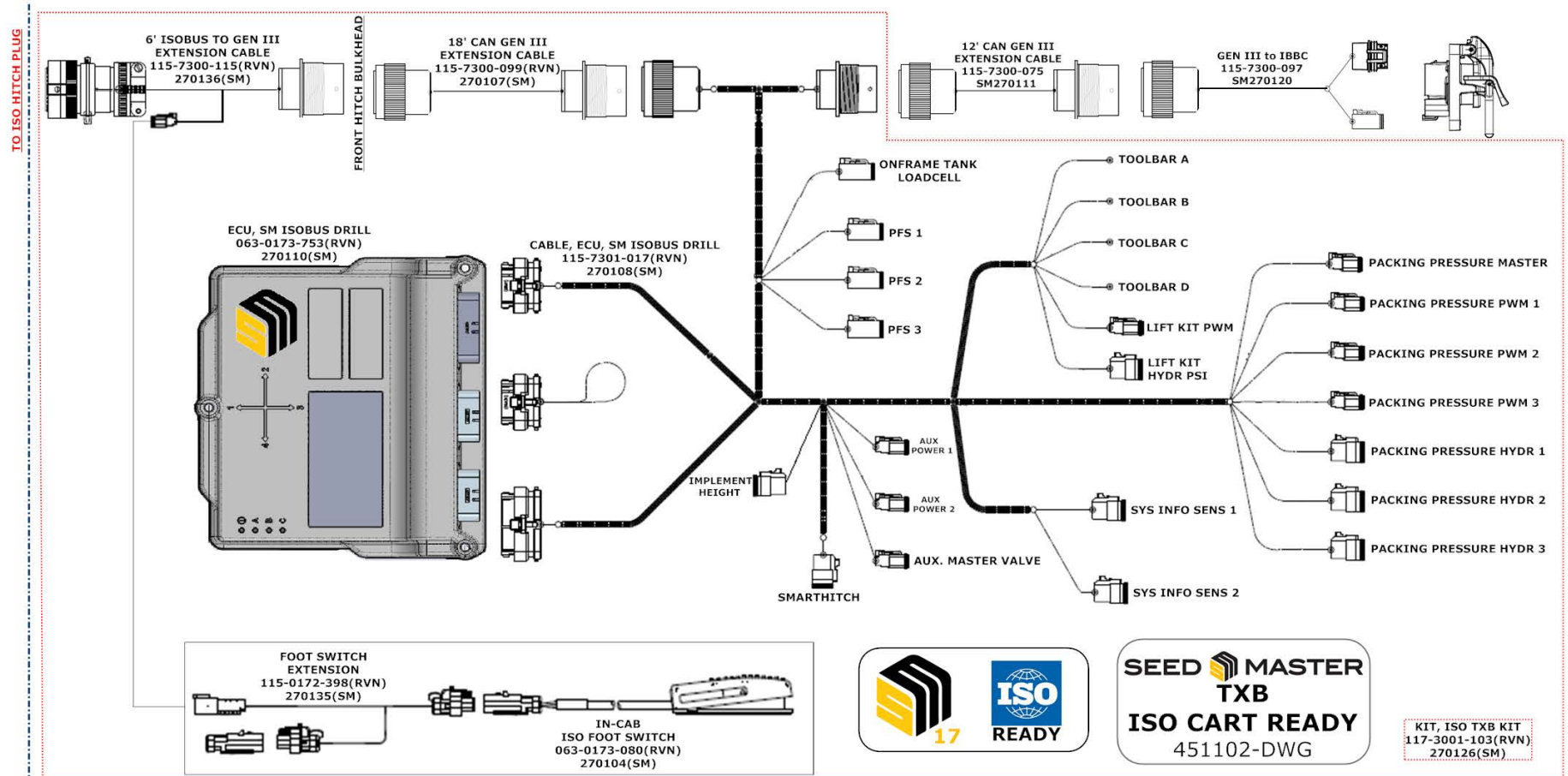


Parts Description:

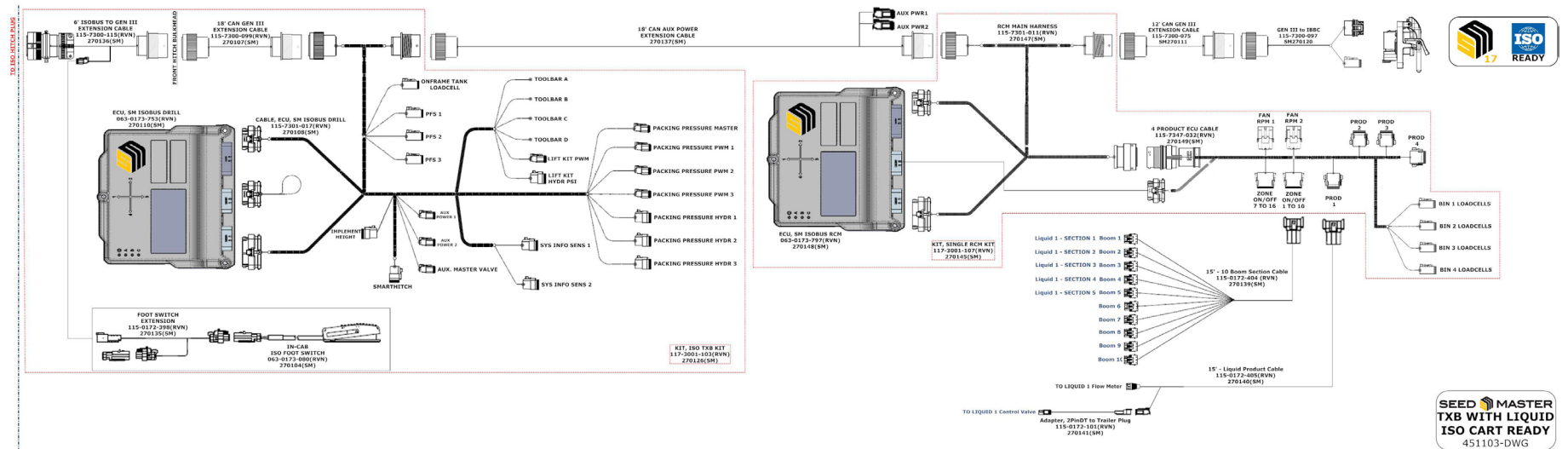
ISO Toolbar with Raven VT In-Cab Kit



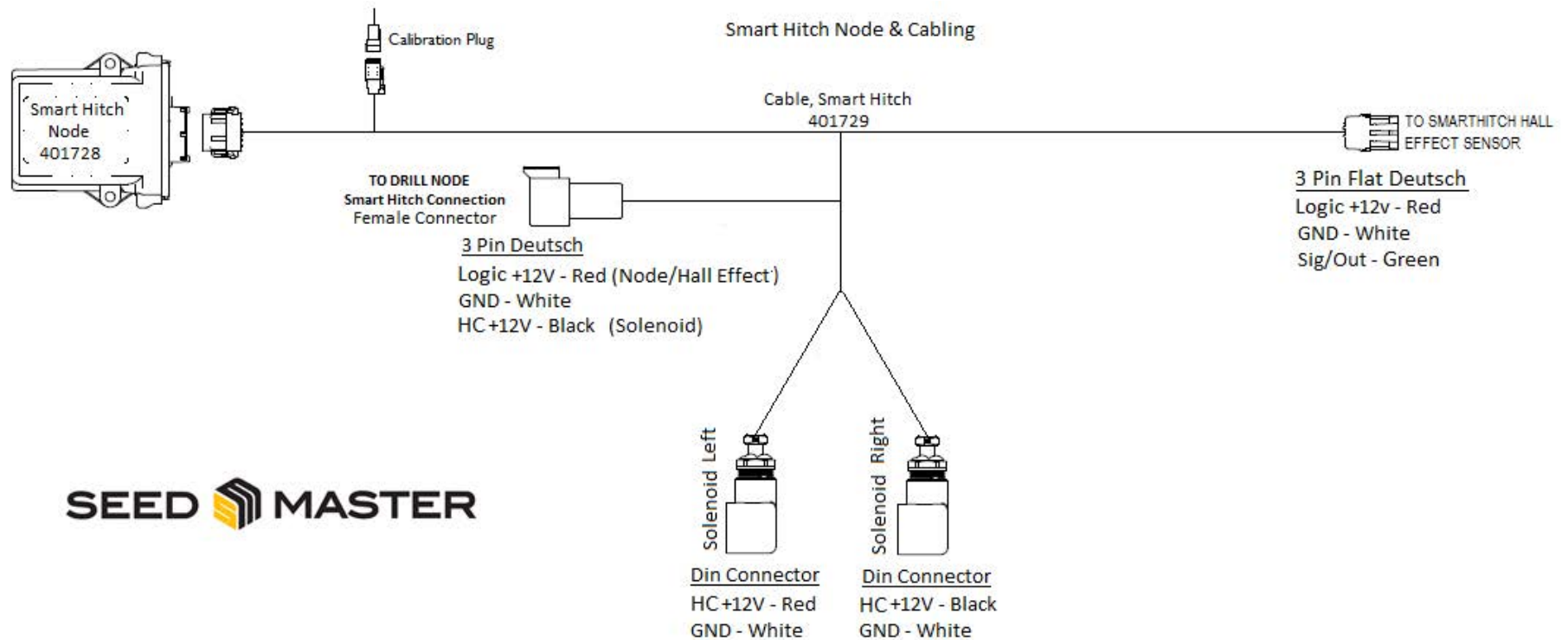
Parts Description: ISO Toolbar (ISO Cart Ready)



Parts Description: ISO Toolbar (Liquid ISO Cart Ready)



Parts Description: Smart Hitch Node and Cabling



SEED  MASTER