2 WHEEL LINEAR
PARTS MANUAL

AD10586

Revised:03/20/19

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2 WHEEL LINEAR PARTS MANUAL

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2 WHEEL LINEAR PARTS MANUAL

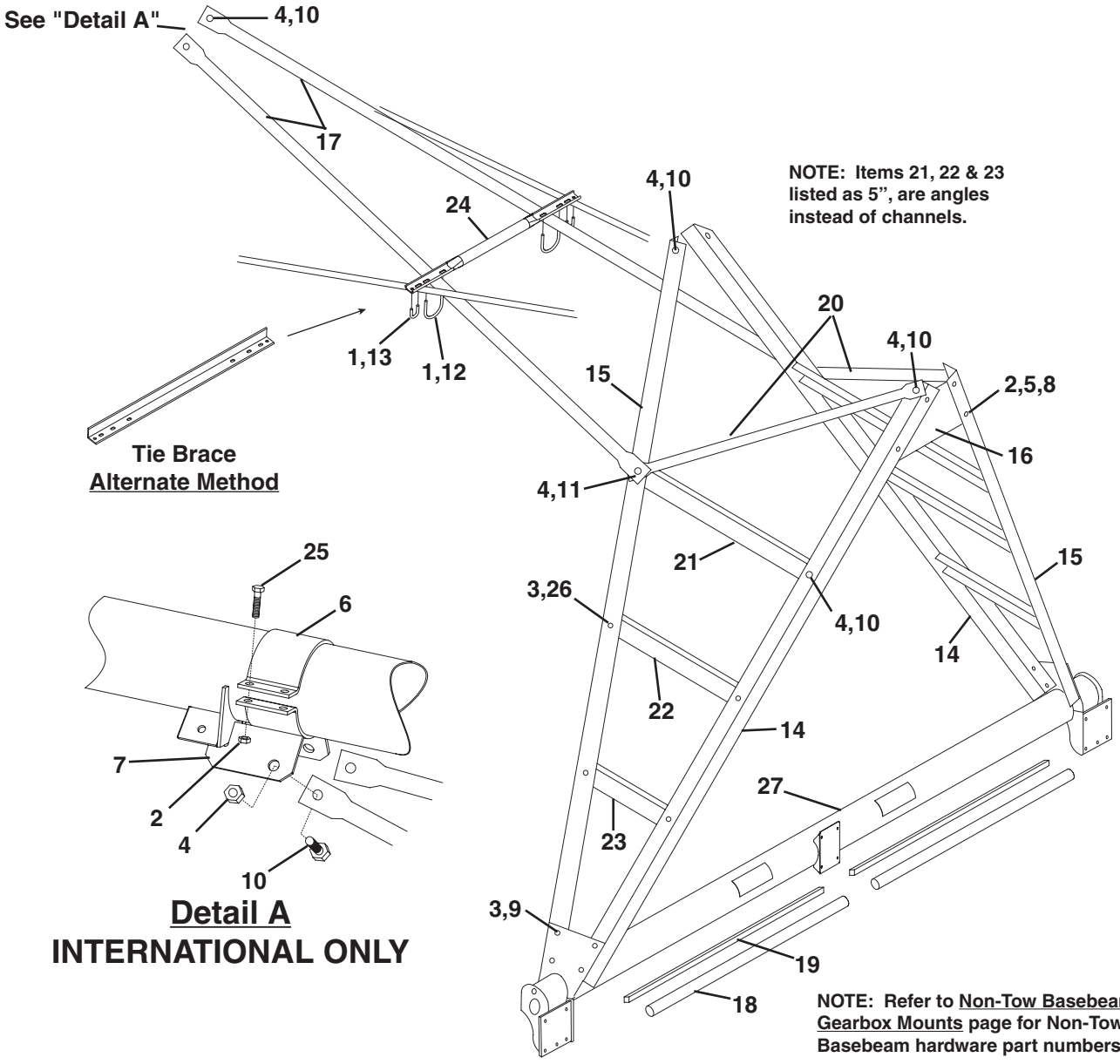
CART

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
CART		
Single Span Cart Drive Unit & Standard 2 Wheel Cart	04-16	1-3
5" & 6-5/8" - 45' Pipe Multi-Span Swing Around Drive Unit Components	04-16	1-4
5" & 6-5/8" - 45' Pipe Multi-Span Swing Around Drive Unit Parts Listing	04-16	1-5
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OPTION		
Swing Around Anchors and Chains	01-10	1-14
Dual Motor Mounts, Drive Shafts & Shields	11-18	1-15
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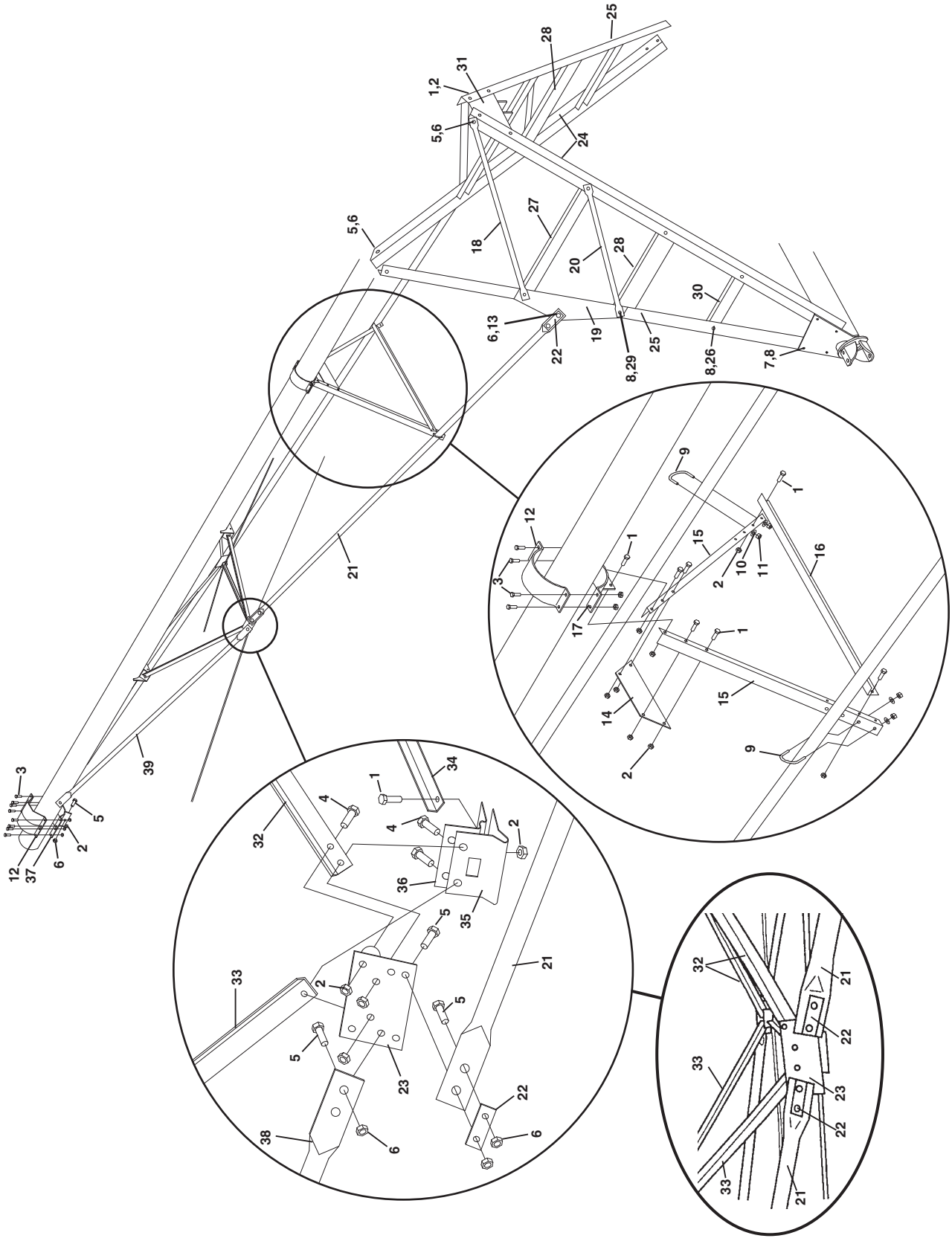
ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	5" Clamp - 4" Wide	9360921
	6-5/8" Clamp - 4" Wide	1700622
7	5" Tower Support Bracket	9360929
	6-5/8" Tower Support Bracket	9360724
8	1/2" x 1-1/4" Cap Screw	0161027
9	5/8" x 1-3/4" Cap Screw	0161088
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" x 2-1/2" Cap Screw	0161159
12	3/8" x 4" x 3" U-Bolt	0175005
13	3/8" x 1-3/4" x .94" U-Bolt	0176035
14	Drive Unit Leg-Right Hand (1/4" material)	9360827
15	Drive Unit Leg-Left Hand - I.D. Notch @ end (1/4" mat.)	9360828
16	Drive Unit - Reinforcing Plate	1780400
17	Pipe Tower Support - Model 8000 Spans	9360071
	Pipe Tower Support - Model 8120 Spans	9360722

ITEM	DESCRIPTION	PART #
18	Drive Shaft Shield - Standard Profile	** 0992715
19	7/8" Square Drive Shaft-Standard Profile	** 9361713
20	Drive Unit Diagonal - Heavy Duty	** 9361138
21	Upper Brace - Standard Profile	** 1780327
	Upper Brace - Standard Profile (5")	9361239
22	Intermediate Brace - Standard Profile	** 9360835
	Intermediate Brace - Standard Profile (5")	9361243
23	Lower Brace - Standard Profile	** 9360834
	Lower Brace - Standard Profile (5")	9361240
24	Tie Brace	
	135' & 160' Sp.-6"& 6-5/8" Dia. (31.94"[811.3mm] Lg.)	9360078
	180' & 205' Sp.-6"& 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	135.2', 157.5 Exp-6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	Model 8120 (36.81"[934.9mm] Lg.)	9360733
25	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
26	5/8" x 1-1/4" Cap Screw	0161379
27	Non-Tow Basebeam - Standard Profile	1780995

(**) - These items are located in KA09390

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Functional Area	Assembly / Part	Rev# 04-16
Cart	5" & 6-5/8" - 45' Pipe Multi-Span Swing Around Drive Unit Components	



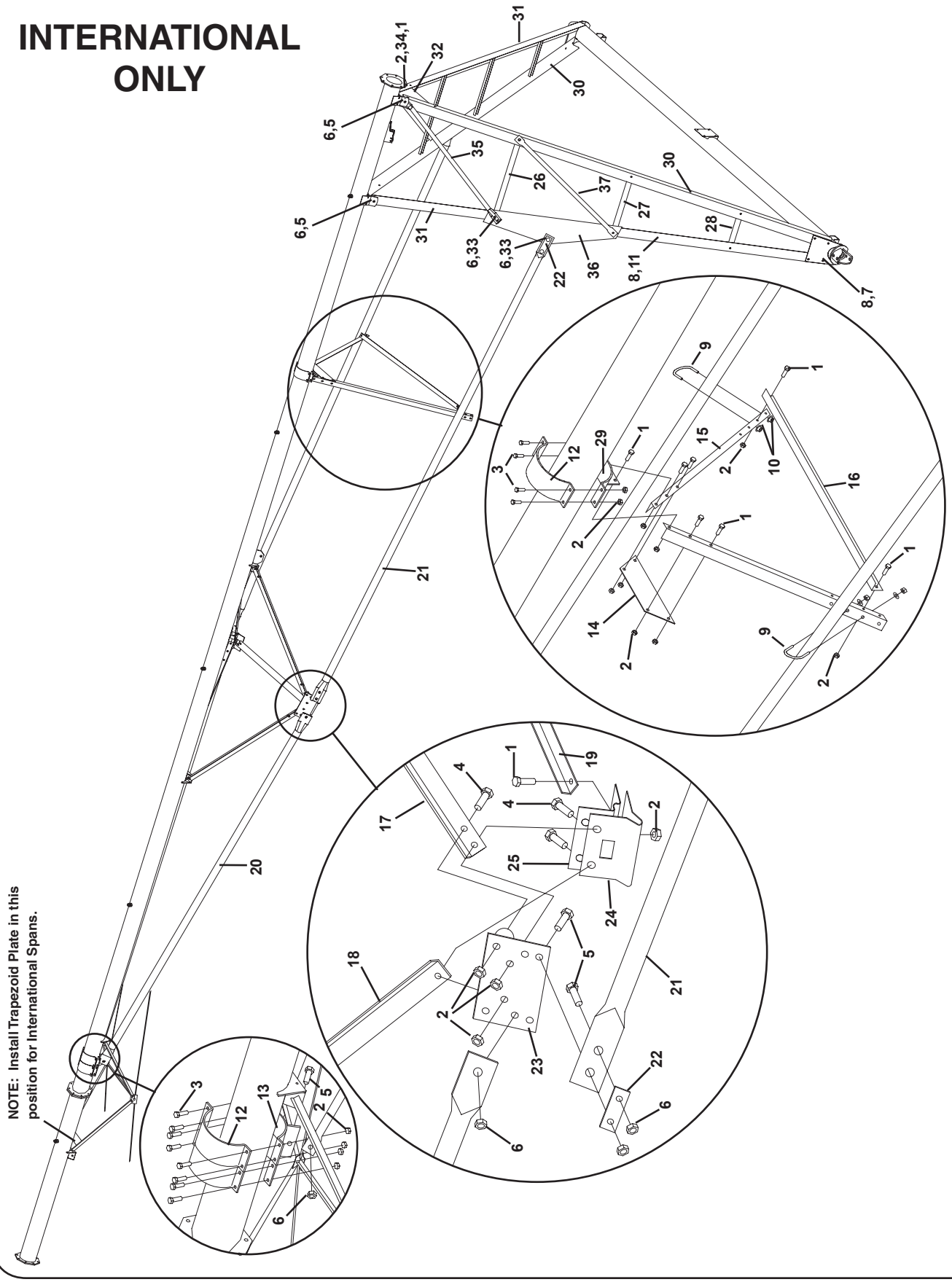
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ITEM	DESCRIPTION	PART#
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
7	5/8" x 1-3/4	0161088
8	5/8" Lock Nut	0133010
9	U-Bolt - 3/8" x 4" x 3"	0175005
10	3/8" Lock Washer	0141007
11	3/8" Hex Nut	0131018
12	5" Pipe Clamp - Galv.	9360921
	6-5/8" Pipe Clamp - Galv.	1700622
13	3/4" x 2-1/2" Cap Screw	0161159
14	Trapezoid Plate - 16.78" Long	9360187
15	Truss Diagonal - 53.74" Long	9332009
16	Spreader - 60.12" Long	9360188
17	5" Tower Support Truss Hanger	9361538
	6-5/8" Tower Support Truss Hanger	9360177
18	Drive Unit Diagonal - 62.62" Long	9361138
19	Tower Support Attach Plate	9360845
20	Diagonal Brace - 43.63" Long	9360847
21	Tower Support - 222.91" Long	9332008
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Drive Unit Leg - Right Hand	9360827
25	Drive Unit Leg - Left Hand	9360828
26	5/8" x 1-1/4" Cap Screw	0161379
27	Brace - Upper	1780327
28	Intermediate Brace	9360835
29	5/8" x 2" Cap Screw	0161014
30	Brace - Lower	9360834
31	Drive Unit Reinforcing Plate	1780400
**32	Truss Diagonal w/I.D. Hole - 61.68" Long	9360052*
**33	Truss Diagonal - 58.81" Long	9360074
34	Spreader - 52.25" Long	9360053
35	Outer Socket	9360069
36	Inner Socket	9360070
37	5" Half Clamp w/Ears	9361539
	6-5/8" Half Clamp w/Ears	1781207
39	Tower Support	9360071

*** NOTE: Longer Diagonal Has I.D. & is to be located away from Span Center.**
**** NOTE: Items #32 & #33-Truss Diagonals are used for ALL span lengths used at First Span position: 115', 135',140',160',180',185', & 187'.**

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INTERNATIONAL ONLY



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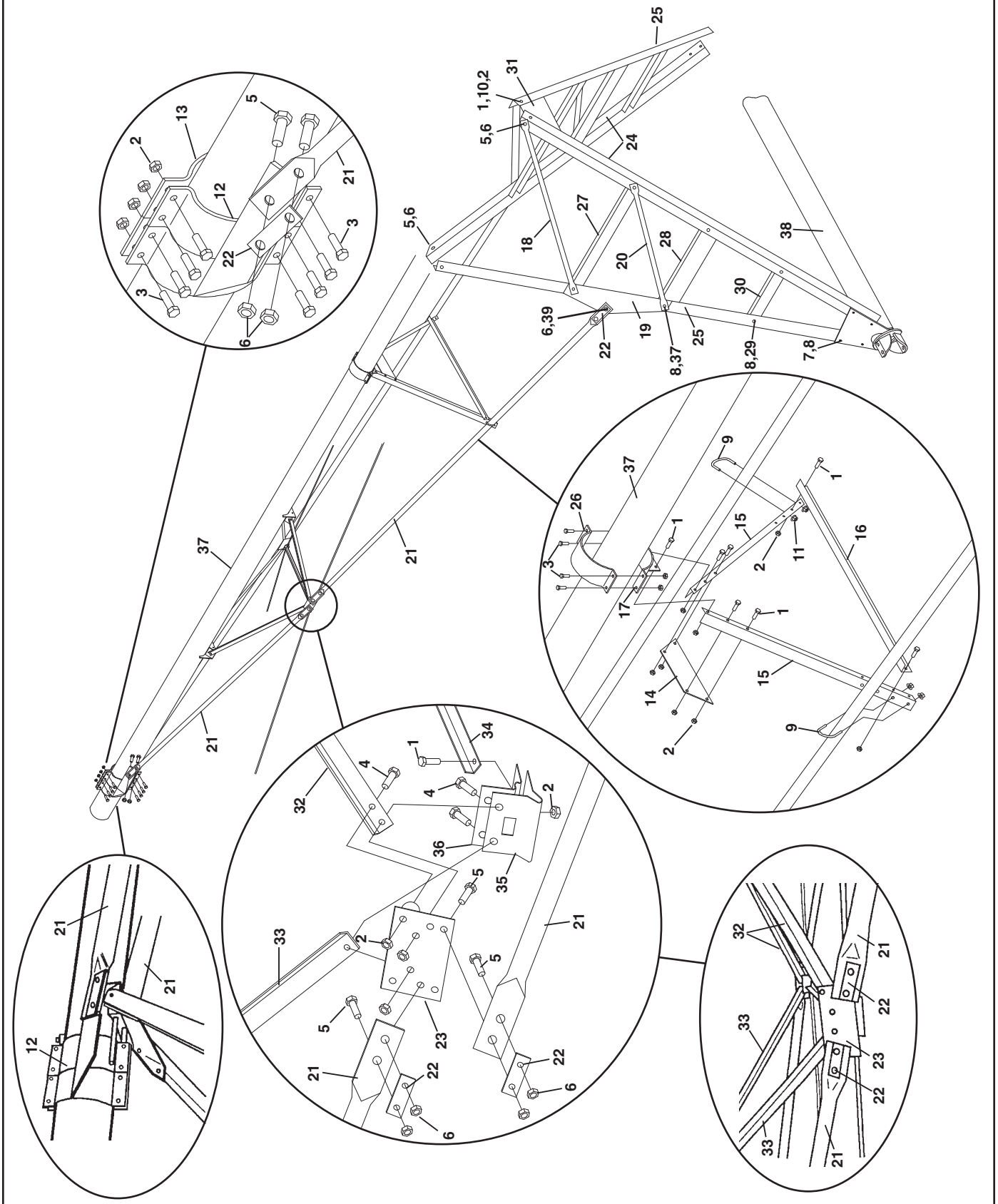
INTERNATIONAL ONLY

ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
7	5/8" x 1-3/4" Cap Screw	0161088
8	5/8" Lock Nut	0133010
9	3/8" x 4" x 3" U-Bolt	0175005
10	3/8" Flange Nut	0134055
11	5/8" x 1-1/4" Cap Screw	0161379
12	5" Pipe Clamp	9360921
	6-5/8" Pipe Clamp	1700622
13	5" Half Clamp w/Ears	9361539
	6-5/8" Half Clamp w/Ears	1781207
14	Trapezoid Plate	9360187
15	Truss Diagonal, 53.74"[1365.0mm] Long	9332009
16	Angle Spreader, 60.12"[1527.0mm] Long	9360188
17	Truss Diagonal w/I.D. Hole, 63.36"[1609.3mm] Long	9360735*
18	Truss Diagonal, 60.67"[1541.0mm] Long	9360734
19	Truss Spreader, 56.00"[1422.4mm] Long	9360736
20	Tower Support, 15'-11.75"[487.1cm] Long	9360722
21	Tower Support, 19'-8.62"[601.0cm] Long	9360748
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Outer Socket	9360069
25	Inner Socket	9360070
26	Upper Brace	1780327
27	Upper Intermediate Brace	9360835
28	Lower Brace	9360834
29	5" Truss Hanger	9361538
	6-5/8" Truss Hanger	9360177
30	Drive Unit Leg, Right Hand	9360827
31	Drive Unit Leg, Left Hand	9360828
32	Drive Unit Reinforcing Plate	1780400
33	3/4" x 2-1/2" Cap Screw	0161159
34	1/2" Flat Washer	0142025
35	Drive Unit Diagonal - Heavy Duty	9361138
36	Tower Support Attachment Plate	9360845
37	Drive Unit Diagonal Brace	9360847

*** NOTE: Longer Diagonal has I.D. and is to be located away from Span Center.**

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Functional Area	Assembly / Part	Rev# 02-19
Cart	6-5/8" - 45' Pipe Towable Hose Drag Endfeed	



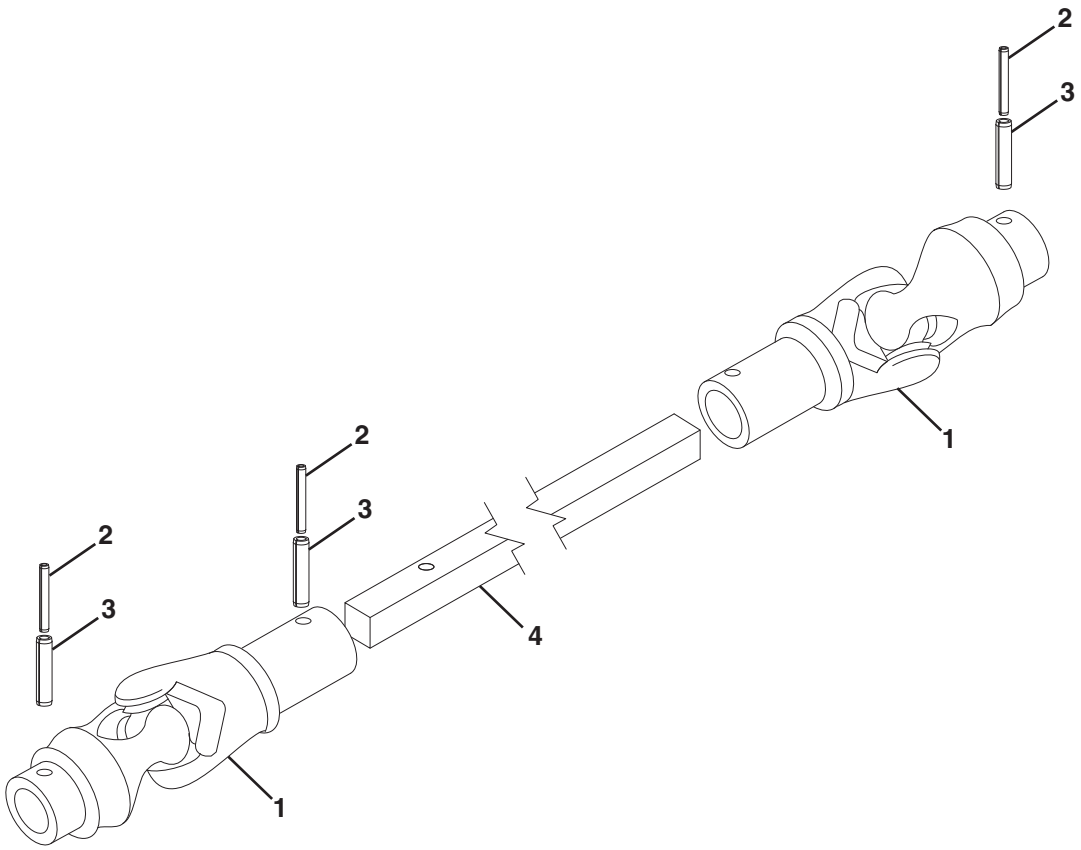
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ITEM	DESCRIPTION	PART#
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2" Cap Screw	0161114
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
7	5/8" x 1-3/4	0161088
8	5/8" Lock Nut	0133010
9	U-Bolt - 3/8" x 4" x 3"	0175005
10	1/2" Flat Washer	0142025
11	3/8" Flange Nut	0134055
12	Pipe Clamp Assembly - Right	9332022
13	Pipe Clamp Assembly - Left	9332023
14	Trapezoid Plate - 16.78" Long	9360187
15	Truss Diagonal - 53.74" Long	9332009
16	Spreader - 60.12" Long	9360188
17	6-5/8" Tower Support Truss Hanger	9360177
18	Drive Unit Diagonal - 62.62" Long - Heavy Duty	9361138
19	Tower Support Attach Plate	9360845
20	Diagonal Brace - 43.63" Long	9360847
21	Tower Support - 222.91" Long	9332008
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Drive Unit Leg - Right Hand	9360827
25	Drive Unit Leg - Left Hand	9360828
26	6-5/8" Pipe Clamp - Galv.	1700622
27	Brace - Upper	1780327
28	Brace - Intermediate	9360835
29	5/8" x 1-1/4" Cap Screw	0161379
30	Brace - Lower	9360834
31	Drive Unit Reinforcing Plate	1780400
**32	Truss Diagonal w/I.D. Hole - 61.68" Long	9360052*
**33	Truss Diagonal - 58.81" Long	9360074
34	Spreader - 52.25" Long	9360053
35	Outer Socket	9360069
36	Inner Socket	9360070
37	5/8" x 2-1/4" Cap Screw	0161012
38	Towable Base Beam - Standard Profile	9360163
39	3/4" x 2-1/2" Cap Screw	0161159

*** NOTE: Longer Diagonal Has I.D. & is to be located away from Span Center.**

**** NOTE: Items #32 & #33-Truss Diagonals are used for <u>ALL</u> span lengths used at First Span position: 115', 135',140',160',180',185', & 187'.**

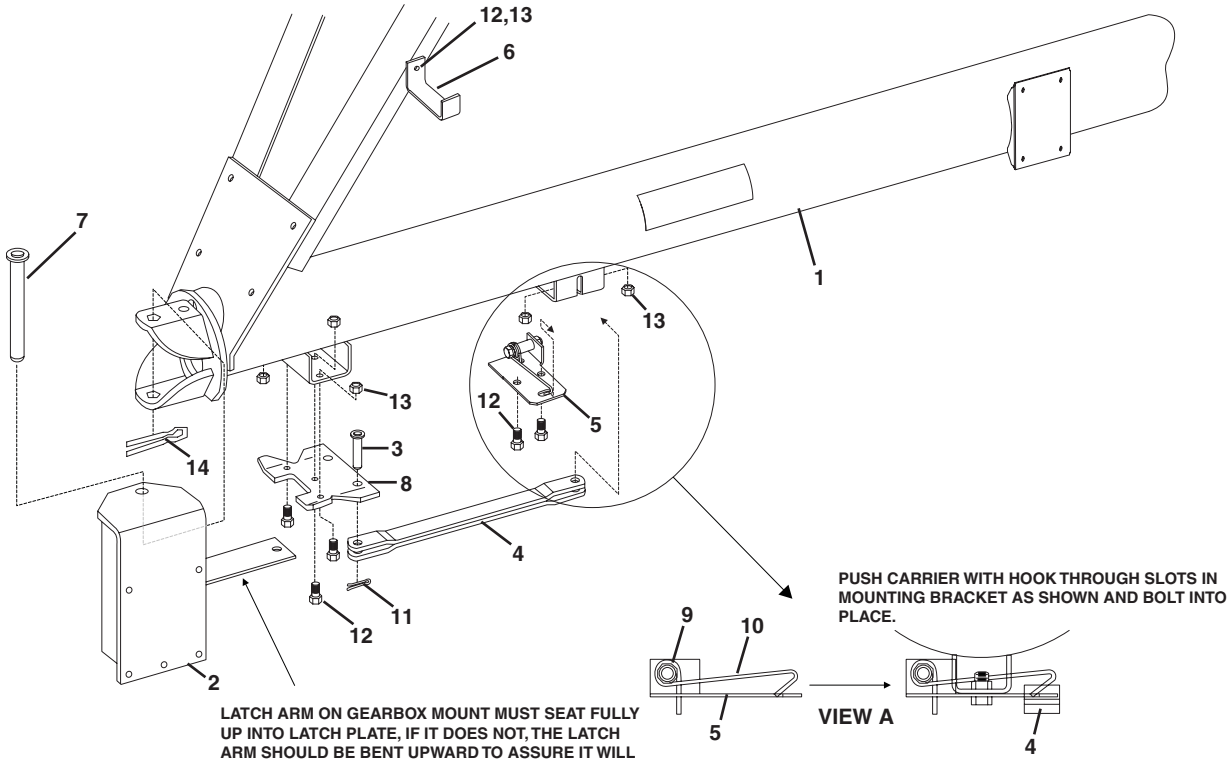
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ITEM	DESCRIPTION	PART #
1	Universal Joint	0991234
2	7/32" x 1-3/4" Spring Pin	0112032
3	3/8" x 1-3/4" Spring Pin	0112031
4	7/8" Sq. x 60.12" Drive Shaft Long (for Single Motor)	9364979
	7/8" x 51.12" Drive Shaft (for Dual Motor)	9361509

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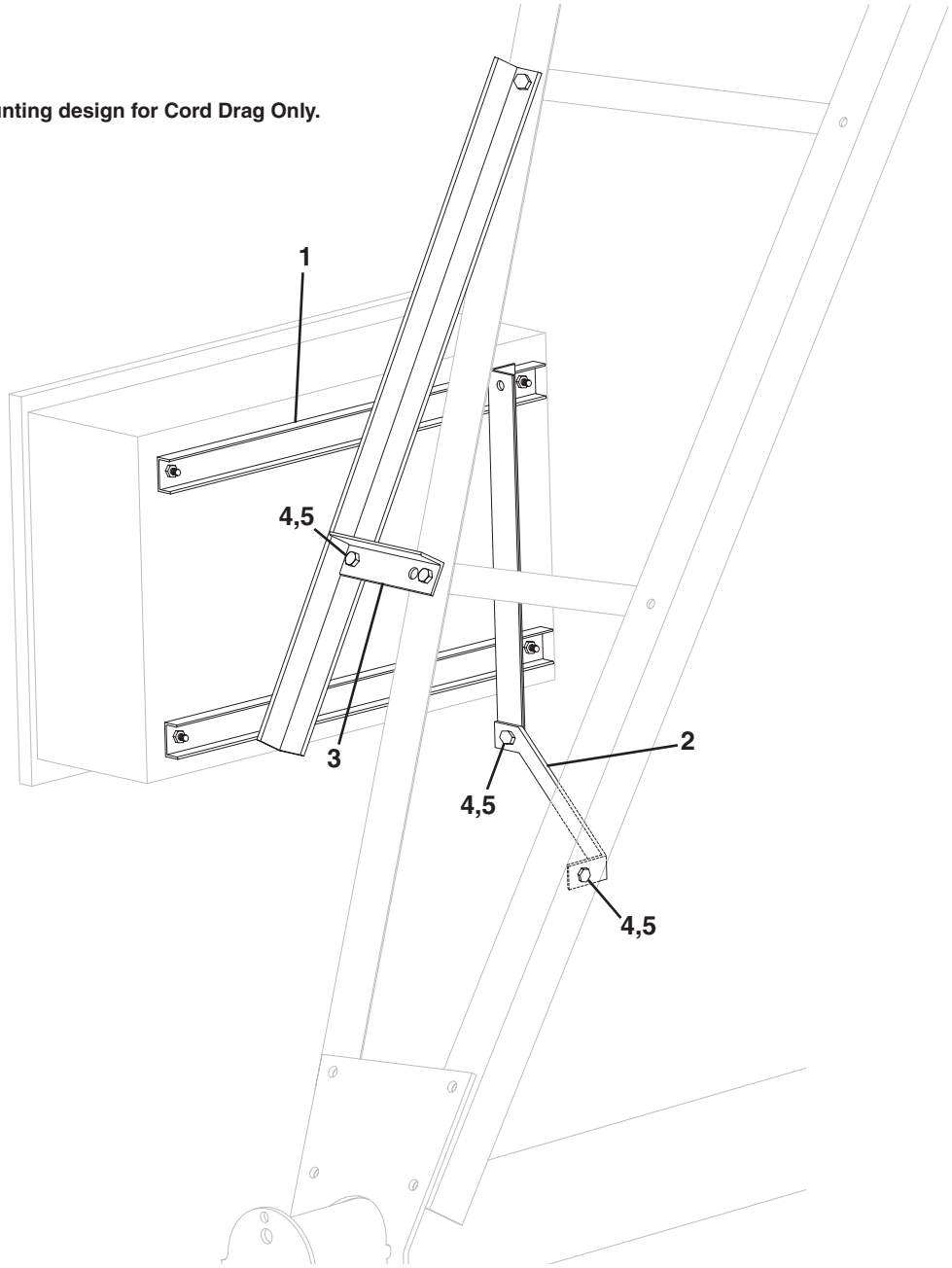
EFFECTIVE
October 1998



ITEM	DESCRIPTION	PART #
1	Towable Basebeam Standard Profile	9360163
	Towable Basebeam Low Profile	9360164
	Towable Basebeam High Profile	9360492
2	Gearbox Mount, Front(shown)	9360151
	Gearbox Mount, Rear	9360152
3	3/4" x 2" Pin	0112037
4	Tow Link Bar	9360139
5	Tow Link Carrier Assembly	9360170
6	Drive Shaft Keeper	9360844
7	1" x 10.12" Tow Hitch Pin	0995585
8	Latch Plate	9360160
9	1-3/4" x 3/4" O.D. Spacer	9360169
10	Tow Link Carrier Spring	0181093
11	1/8" x 1-1/2" Cotter Pin	0151010
12	1/2" x 1-1/4" Cap Screw	0161027
13	1/2" Lock Nut	0133005
14	3/16" x 2" Cotter Pin	0151015
	Convert Model 8000 Non-Tow Drive Unit to Towable Drive Unit Pkg	0000F14

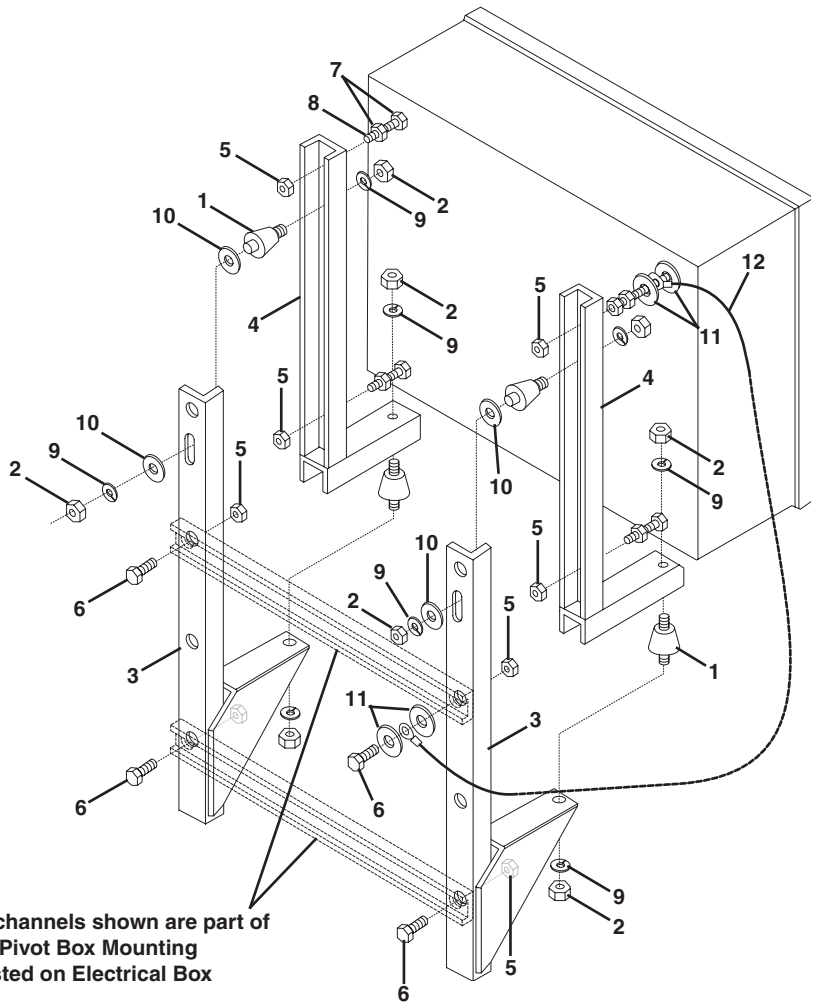
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NOTE: This mounting design for Cord Drag Only.



ITEM	DESCRIPTION	PART #
1	Model 8000 EZ Tow Pivot Box Mounting Assm.	9360303
2	Main Panel Brace	9361518
3	Mounting Frame Horizontal Angle	9360305
4	1/2" x 1-1/4" Cap Screw	0161027
5	1/2" Lock Nut	0133005

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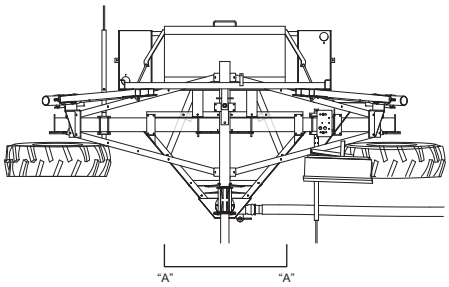


NOTE: These two channels shown are part of Model 8000EZ Tow Pivot Box Mounting Assm. (9360303) listed on Electrical Box Mounting page.

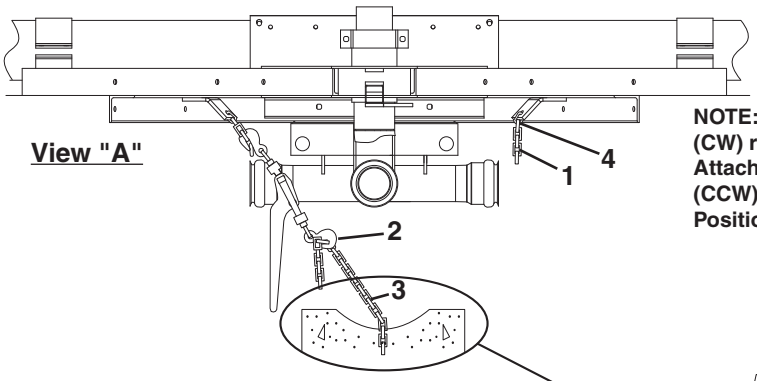
ITEM	DESCRIPTION	PART #
1	Rubber Mount	0992239
2	5/16" Hex Nut	0131019
3	Support Post Assembly	9360358
4	Control Panel Mount Assembly	1781675
5	3/8" Lock Nut	0133006
6	3/8" x 1" Cap Screw	0161045
7	3/8" Hex Nut	0131018
8	3/8" -16 x 2" S. S. Thread Rod	0994523
9	5/16" Lock Washer	0141008
10	5/16" Flat Washer	0142017
11	3/8" Flat Washer	0142031
12	Grounding Jumper	1811101

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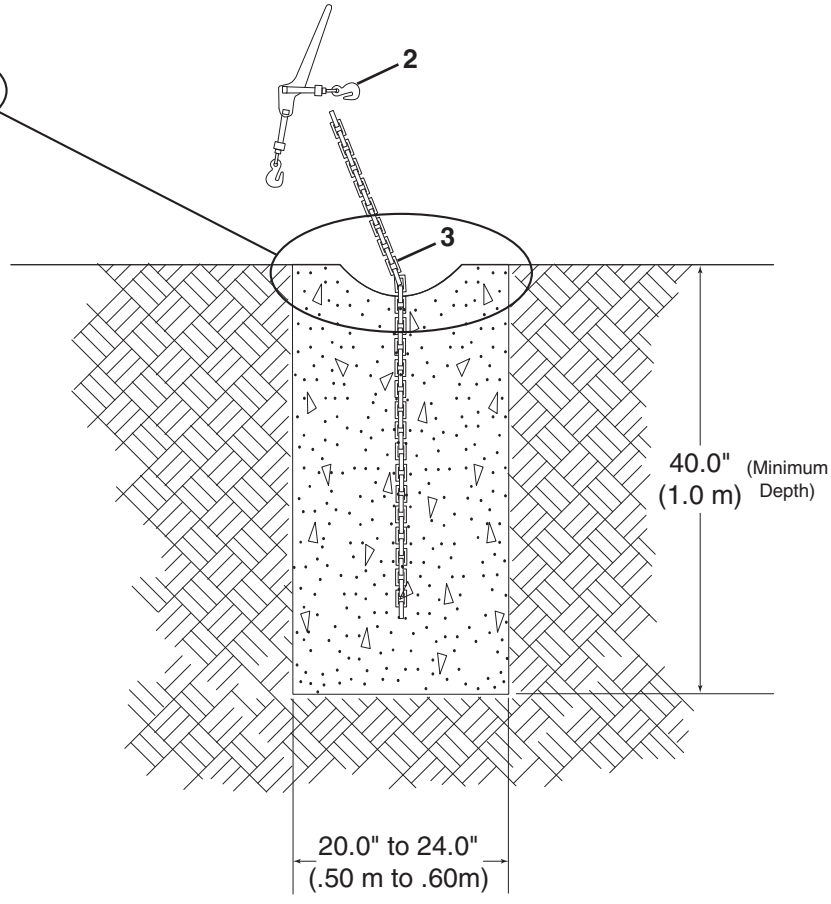
Overhead View of 2 Wheel Linear Cart



View "A"

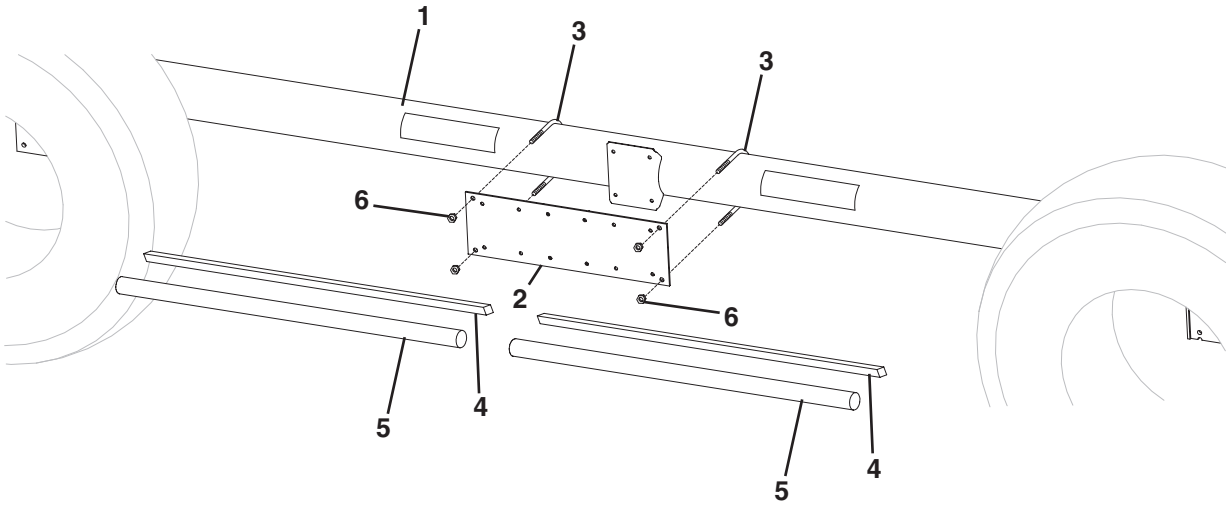


NOTE: Swing-Around Anchor position shown is for Clockwise (CW) rotation.
Attach Load Binder to opposite side for Counter-Clockwise (CCW) rotation.
Position Load Binder with handle oriented downward



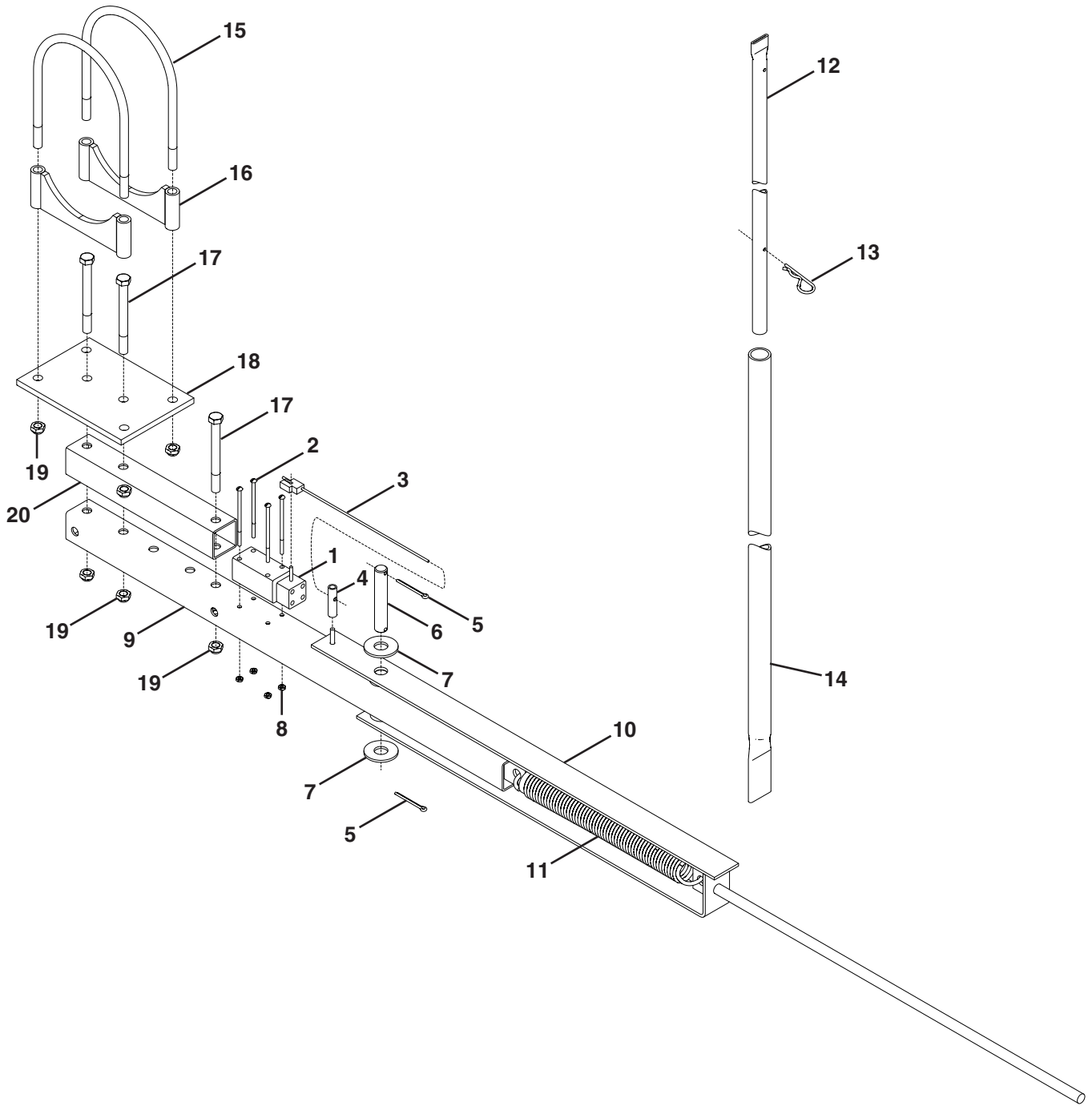
ITEM	DESCRIPTION	PART #
1	Binding Chain - High Test - Short	0323067
2	Load Binder	0992730
3	Chain - High Test - 3/8" x 54"	0994354
4	Chain Shackle	0992947

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ITEM	DESCRIPTION	PART #
1	Basebeam - Non-Towable	1780995
	Basebeam - Towable	9360163
2	Motor Mount, Dual	9361472
3	6-5/8" U-Clamp	1781277
4	2 Wheel Linear Drive Shaft (Dual Motor)	9361509
	2 Wheel Linear Drive Shaft - Long (Single Motor)	9364979
5	2 Wheel Linear Drive Shaft Shield (Dual Motor)	9361500
	2 Wheel Linear Drive Shaft Shield (Single Motor)	0992715
6	1/2" Lock Nut	0133005

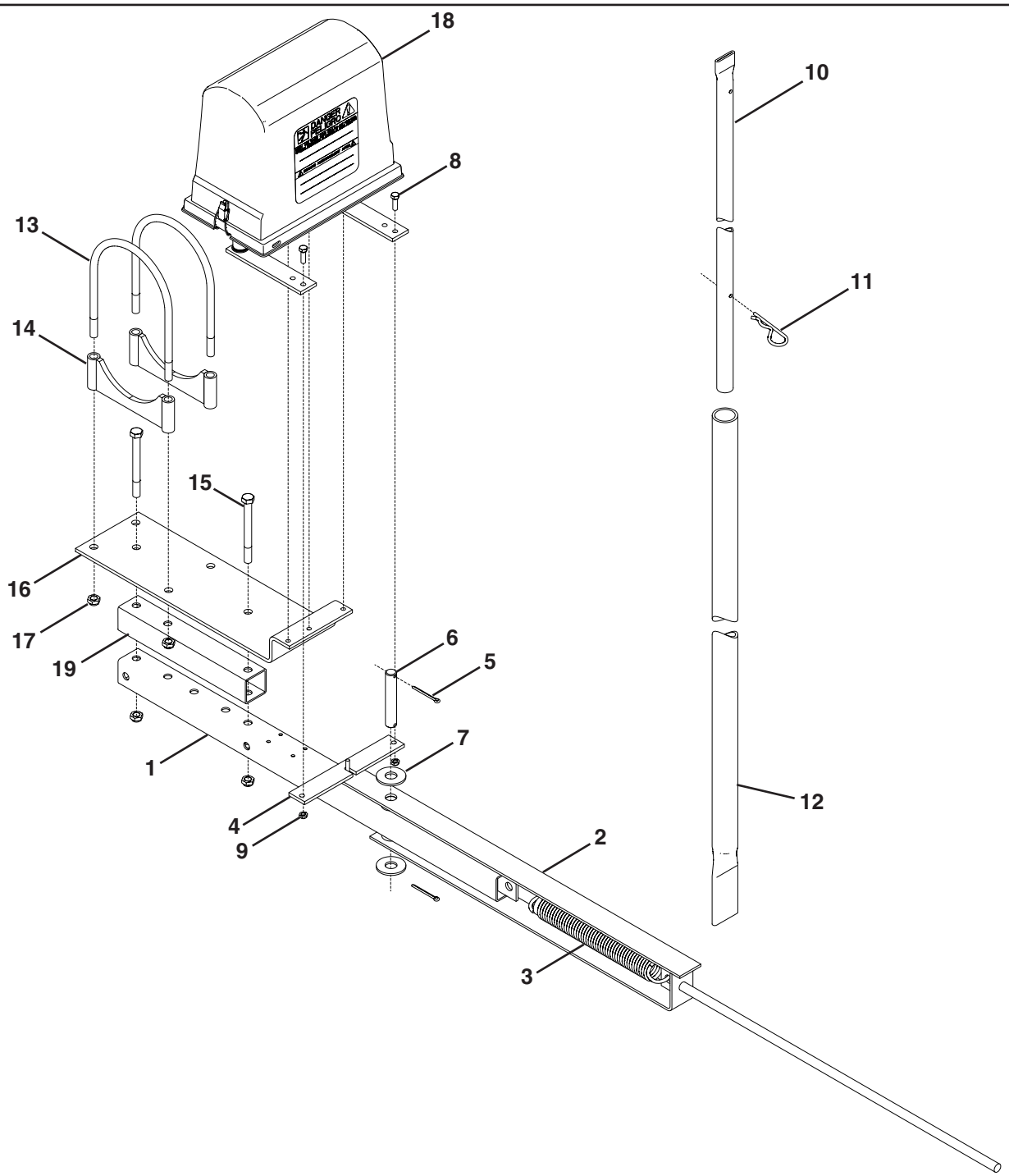
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ITEM	DESCRIPTION	PART #
1	Limit Switch Assembly	1811451
2	#10-24 x 4" Round Head Machine Screw	0164166
3	Switch Lever	0315623
4	Pivot Bushing Switch Arm	1732194
5	3/16" x 2" Cotter Pin	0151015
6	Actuator Arm Pin	1732191
7	3/4" Flat Washer	0142021
8	#10 Hex Nut	0131055
9	End of Field Shut-down Arm	1732195
10	Pivoting Arm	1732197
11	Return Spring	0181007
12	Upper Field Stop	1732192
13	5/32" Hair Pin	0181034
14	Lower Field Stop	1732193
15	6-5/8" U-Clamp	1781277
16	6-5/8" Saddle Assembly	1781282
17	1/2" x 5" Cap Screw	0161111
18	Mounting Plate	1732863
19	1/2" Lock Nut	0133005
20	Spacer Tube	9364571

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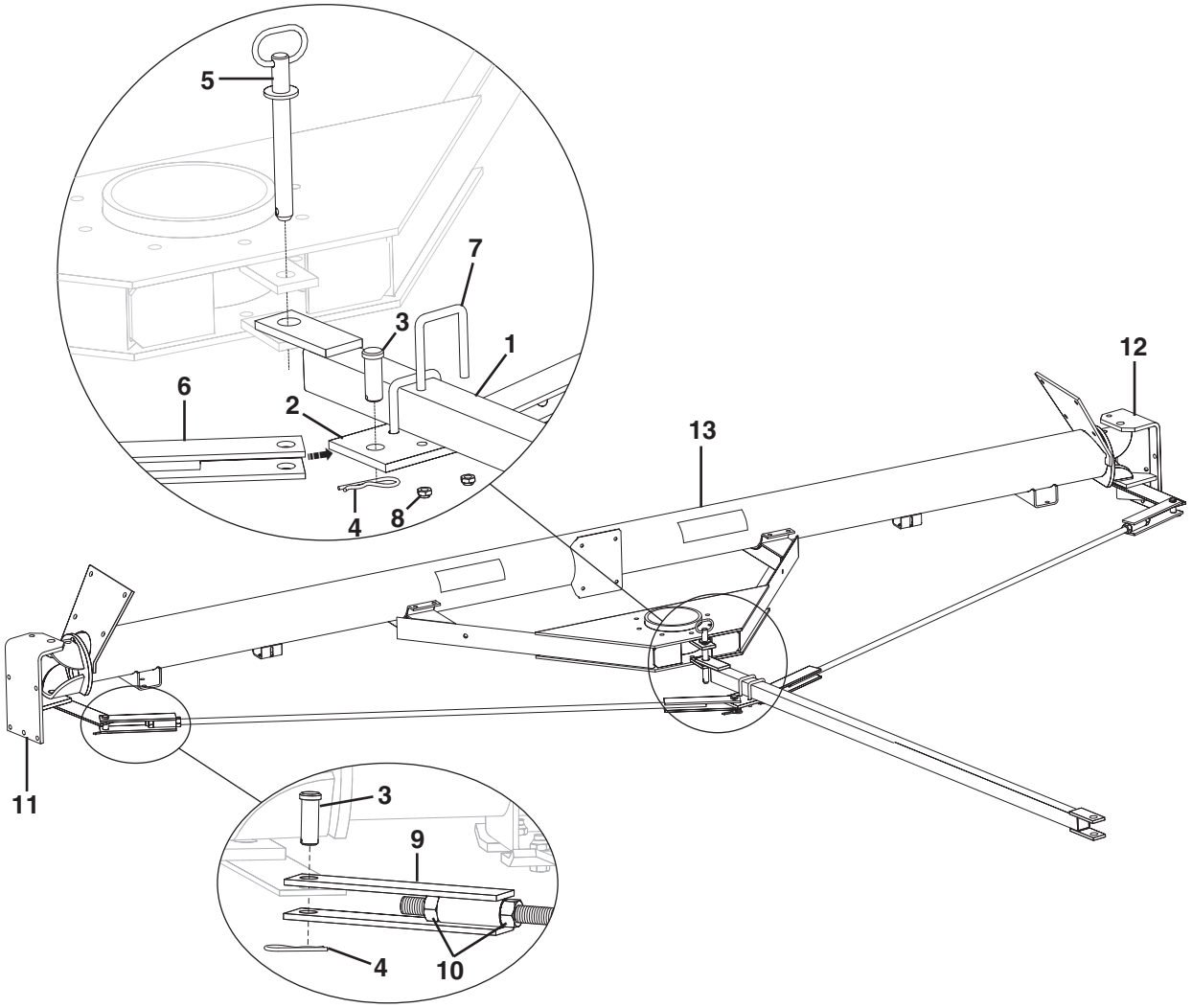
Functional Area Cart Option	Assembly / Part End of Field Stop/ Auto Reverse	Rev# 03-18



ITEM	DESCRIPTION	PART #
1	End of Field Shut-down Arm	1732195
2	Pivoting Arm	1732197
3	Return Spring	0181007
4	End of Field Stop Coupler	9332144
5	3/16" x 2" Cotter Pin	0151015
6	Actuator Arm Pin	1732191
7	3/4" Flat Washer	0142021
8	5/16" x 1" Cap Screw	0161052
9	5/16" Lock Nut	0133007
10	Upper Field Stop	1732192

ITEM	DESCRIPTION	PART #
11	5/32" Hair Pin	0181034
12	Lower Field Stop	1732193
13	6-5/8" U-Clamp	1781277
14	6-5/8" Saddle Assembly	1781282
15	1/2" x 5" Cap Screw	0161111
16	Mounting Plate, Control Box	9332200
17	1/2" Lock Nut	0133005
18	Auto Reverse/Auto Stop Internal Switch Box	1814126
19	Spacer Tube	9364571
20	11 Cond. 10 Ga. - 18'-4" - Elec. Cable (not shown)	1811483

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ITEM	DESCRIPTION	PART #
1	Hitch Assembly	9361480
2	Hitch Assembly Steering Plate	9332230
3	3/4" x 2" Clevis Pin	0112037
4	5/32" Hair Pin	0181034
5	3/4" Torque Pin	0112043
6	Tie Rod Assembly	9363115
7	3/8" x 2" U-Bolt	0176053
8	3/8" Lock Nut	0133006
9	Tie Rod End Assembly	9363118
10	3/4" Hex Nut	0131008
11	Tow Gearbox Mount - Front	9360151
12	Tow Gearbox Mount - Rear	9360152
13	Basebeam - Towable	9360163

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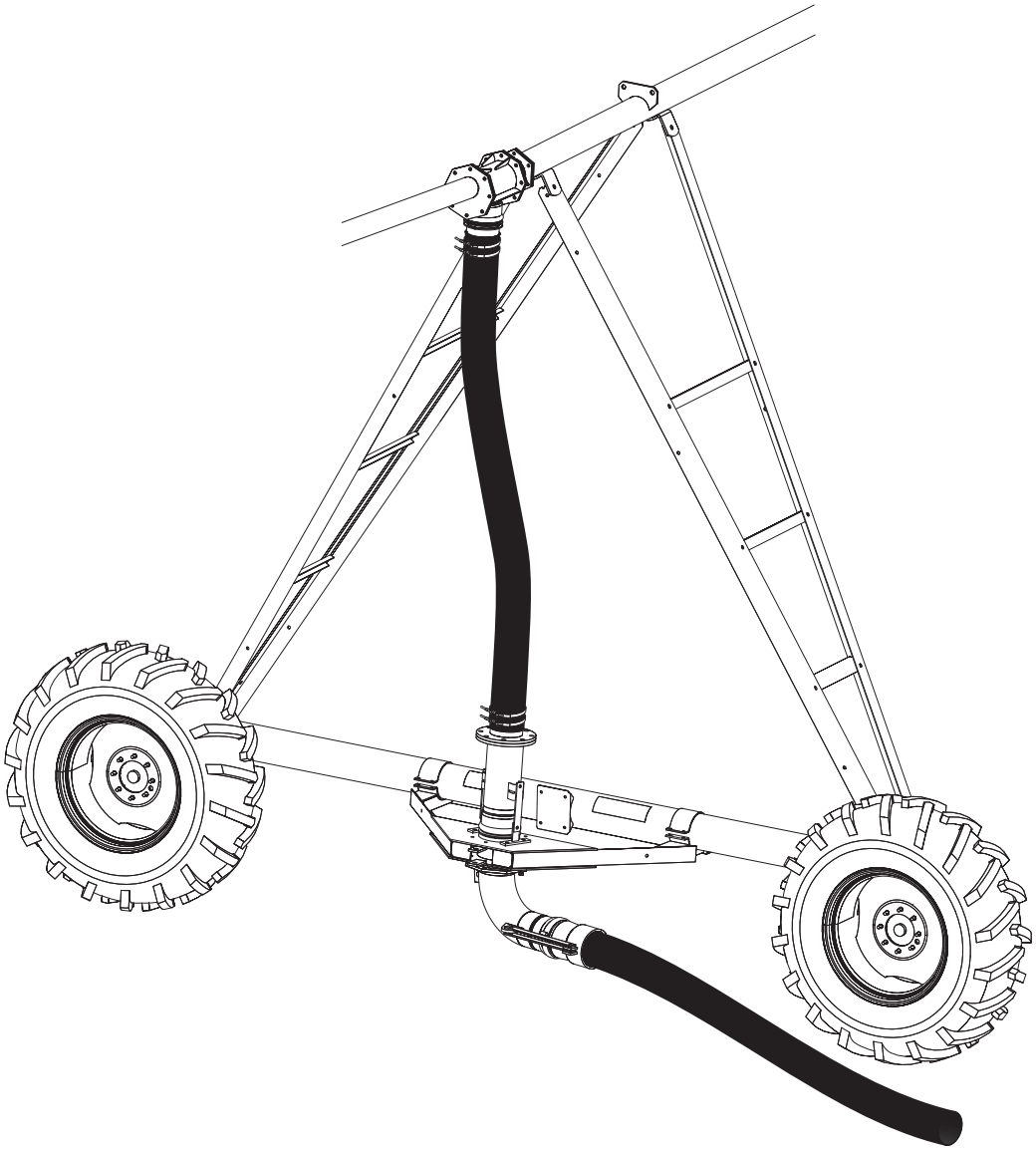
HOSE DRAG

2 Wheel Linear - Effective 1/10

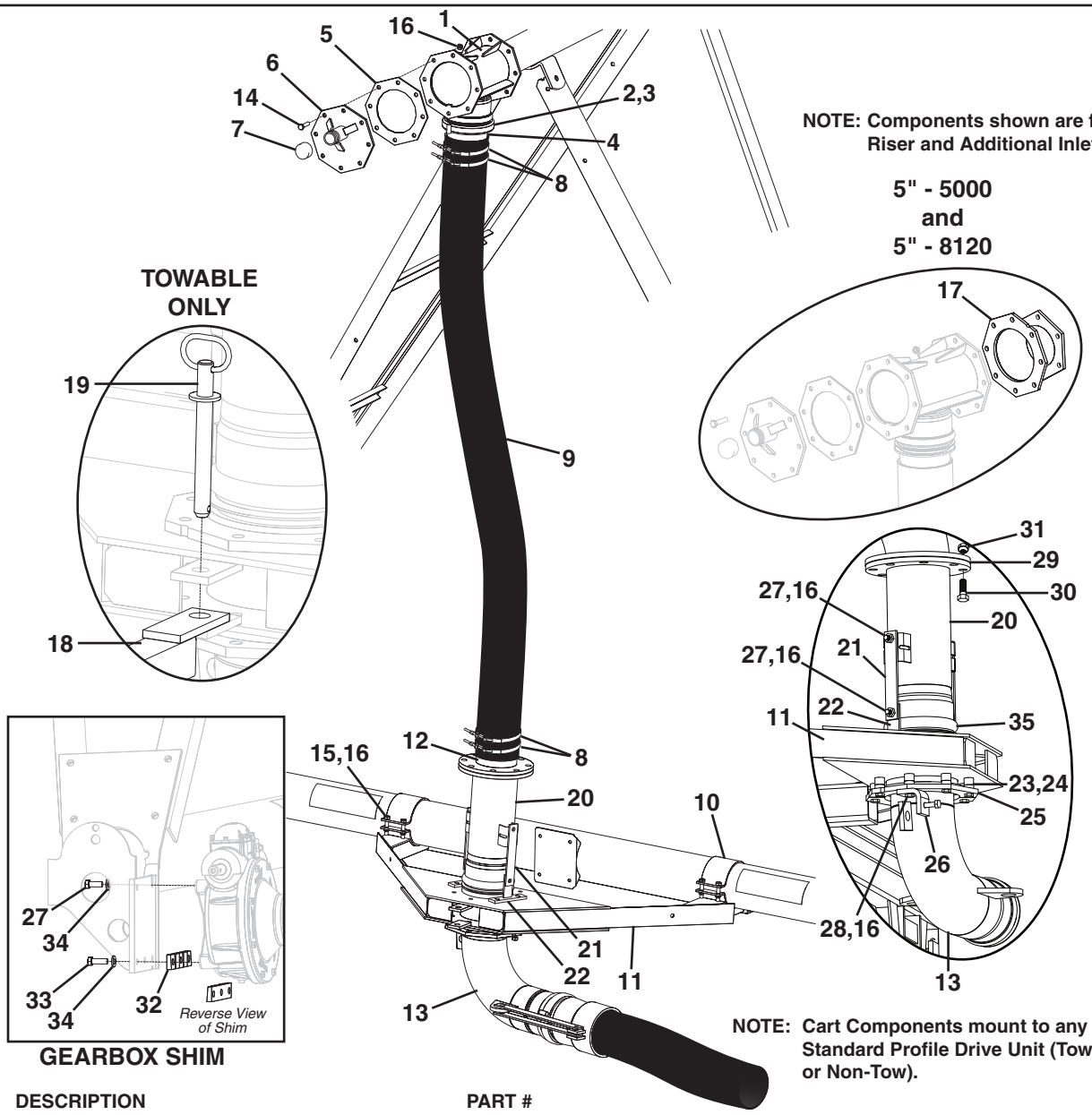
Description	Rev. #	Pg. #
Overall Assembled View	05-15	2-3
Riser & Frame	04-18	2-4
Hose Bumpers	02-17	2-5
Swing Around Cart Frame	01-10	2-6
Blank Page	06-16	2-7
Swing-Around Soft Hose Inlet	09-18	2-8
Hard Hose Inlet	02-19	2-9
3" and 4" Poly-Hose Ends	01-10	2-10
4-3/4" Poly-Hose Ends	02-19	2-11
6” SDR 11 Poly Hose End	06-16	2-12
OPTIONS		
Weight Rack	07-11	2-13
Shut-Off Valve Option	01-10	2-14
6”, 4-3/4” & 8” Soft Hose Riser Connection	06-16	2-15

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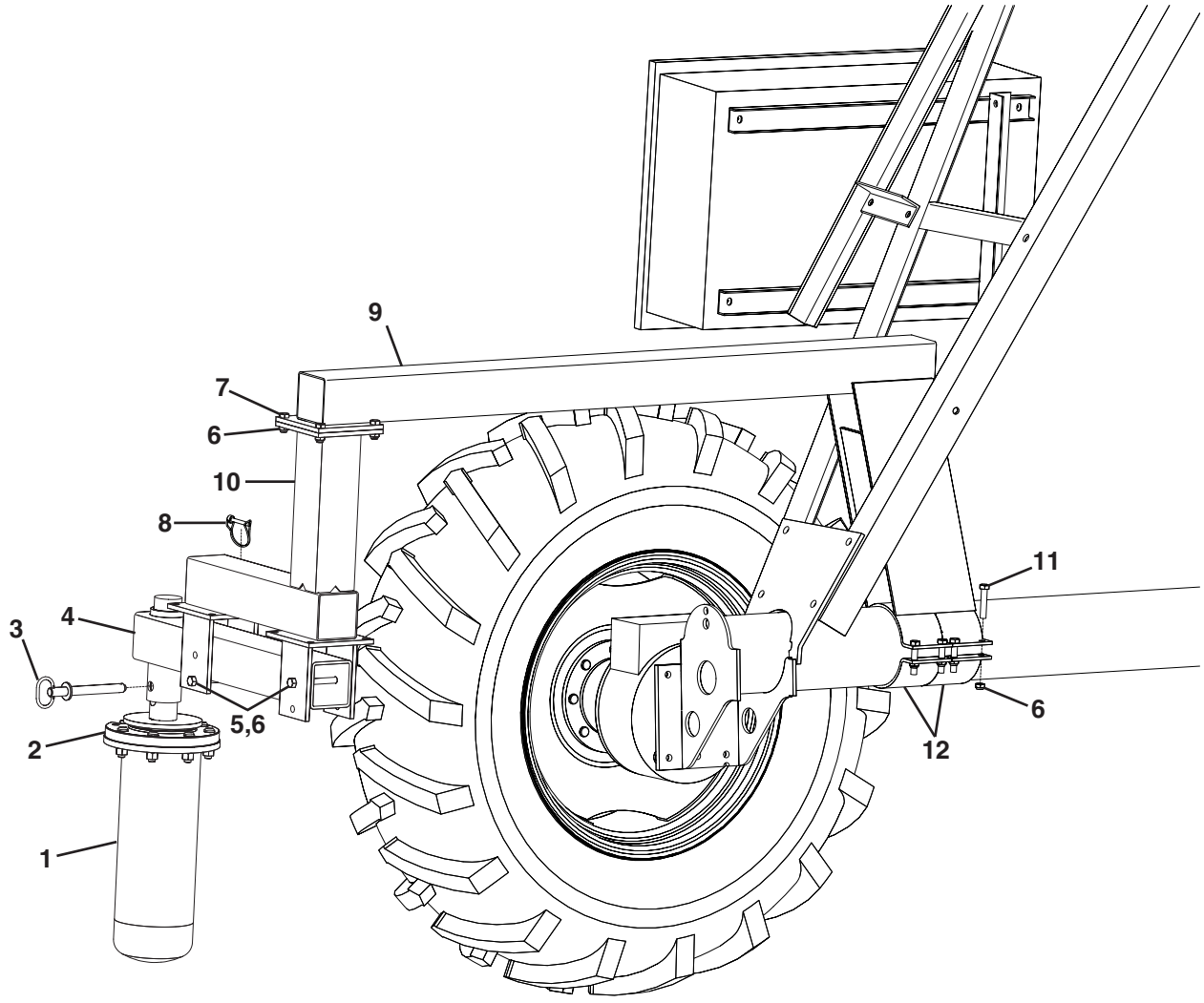
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ITEM	DESCRIPTION	PART #
1	6-5/8" Overhang Stub Pipe w/6" Inlet	9361817
	6-5/8" Overhang Stub Pipe w/4" Inlet	9360464
2	Circle Lock Ring - 6"	0992318
	Circle Lock Ring - 4"	0992084
3	6" Pierce Gasket	0221015
	4" Pierce Gasket	0221010
4	6" Male Hose Adapter Assm.	9361794
	6" Hose Barb x 4" Ring Lock Reducer Assm.	9364567
5	6-5/8" Flat Gasket	0992211
6	6-5/8" End Plate	1800036
7	Pipe Cap	0246046
8	6" Flex Joint Clamp	0991186
9	Water Hose - 6" x 102" Long	9332246
10	6-5/8" Half Clamp - 4" Wide	1700622
11	Hose Pull Frame - 6" Inlet	9332208
12	6" Hose Barb ANSI	9332222
13	6" Inlet Elbow	9362602
14	1/2" x 2" Cap Screw	0161024
15	1/2" x 2-1/2" Cap Screw	0161023
16	1/2" Lock Nut	0133005

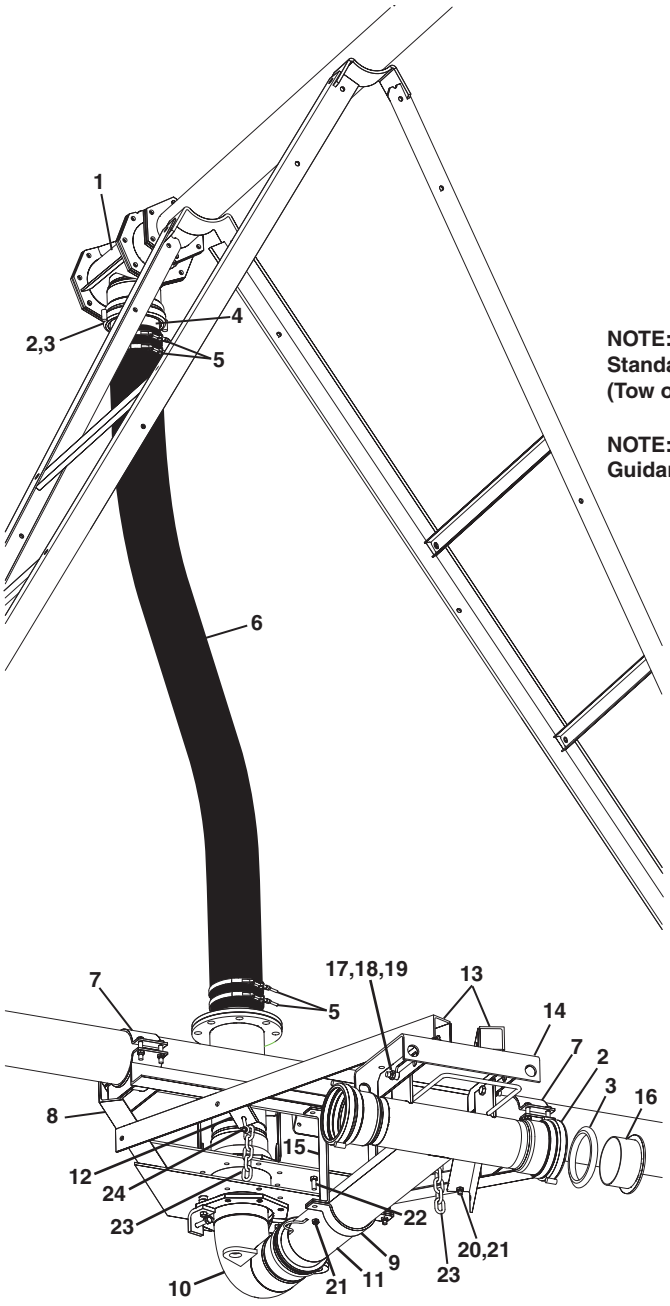
ITEM	DESCRIPTION	PART #
17	Reducer - 6-5/8" to 5"	9361889
18	Hitch Assembly	9361480
19	3/4" Torque Pin	0112043
20	Swivel Coupler	9363037
21	Adapter Strap	9332035
22	Hold Down Flange Assm.	9363035
23	9/16" x 5/8" Swivel Bushing	0192074
24	9/16" x 7/16" Bushing	1730525
25	Half Flange	9362610
26	Swivel Stop Bracket	9362604
27	1/2" x 1-1/4" Cap Screw	0161027
28	1/2" x 3" Cap Screw	0161381
29	6" ANSI Gasket	0996639
30	3/4" x 2-1/4" Cap Screw	0161157
31	3/4" Lock Nut	0133011
32	Tapered Shim	9363166
33	1/2" x 1-3/4" Cap Screw	0161029
34	1/2" Flat Washer	0142025
35	6-5/8" Pierce Gasket	0996279

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ITEM	DESCRIPTION	PART #
1	Hose Bumper Assm.	9363071
2	Spindle and Hub	9363068
3	3/4" Torque Pin	0112043
4	Bumper Mount Tube	9332232
5	1/2" x 5-1/2" Cap Screw	0161018
6	1/2" Lock Nut	0133005
7	1/2" x 1-1/4" Cap Screw	0161027
8	1/4" x 1-3/8" Lynch Pin	0112042
9	Bumper Mount - Upper	9332234
10	Bumper Mount - Lower	9332235
11	1/2" x 2-1/2" Cap Screw	0161023
12	6-5/8" Half Clamp - 4" Wide	1700622

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NOTE: Cart components mount to any Standard Profile Drive Unit (Tow or Non-Tow).

NOTE: For Assembly of Furrow Guidance see Guidance Section.

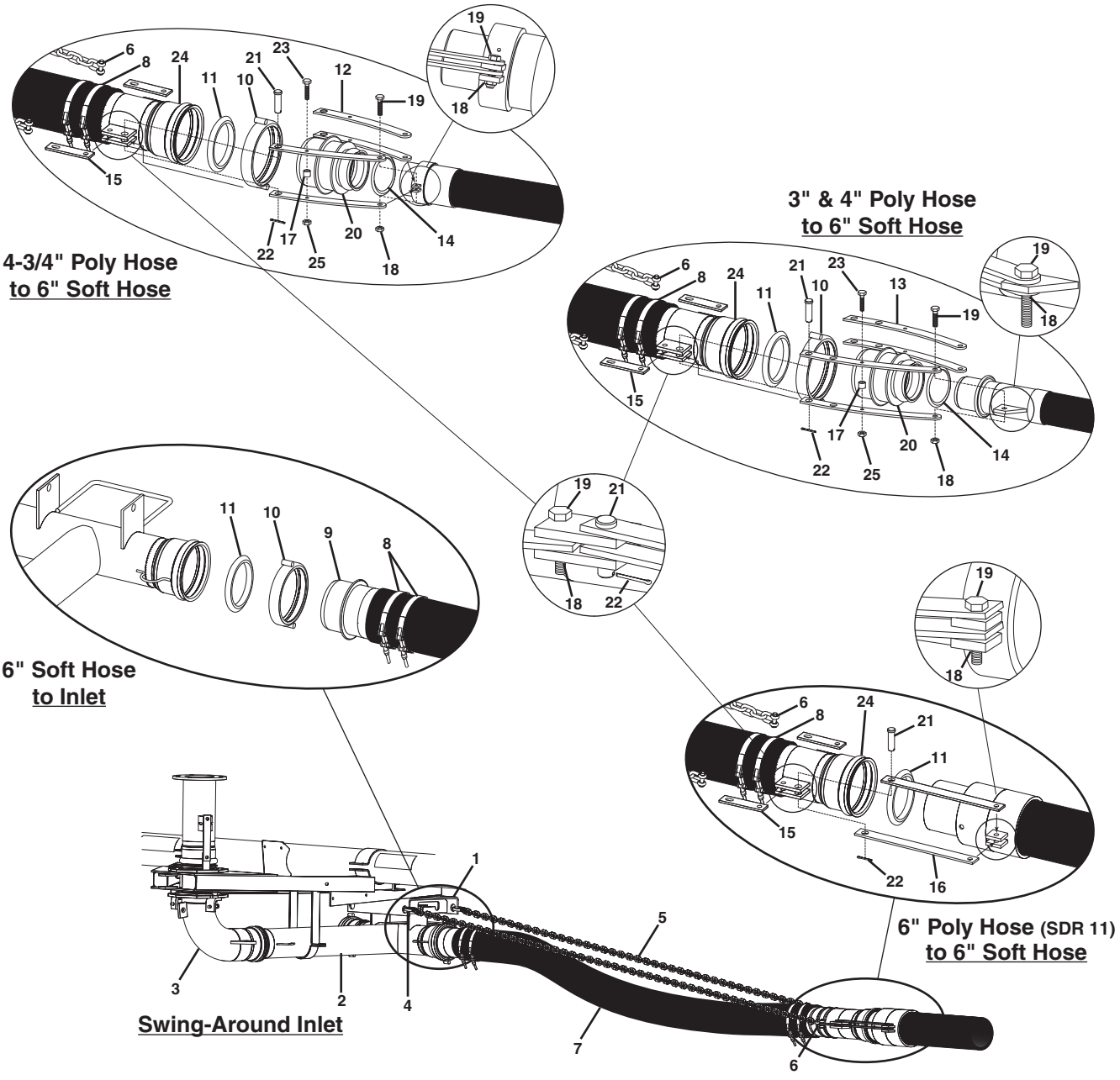
ITEM	DESCRIPTION	PART #
1	6-5/8" Overhang Stub Pipe w/6" Inlet	9361817
2	Circle Lock Ring - 6"	0992318
3	6" Pierce Gasket	0221015
4	6" Male Hose End	9361794
5	6" Flex Joint Clamp	0991186
6	Water Hose - 6" x 102" Long	9332246
7	6-5/8" Half Clamp - 4" Wide	1700622
8	Hose Pull Frame - 6" Inlet	9332208
9	6" Half Clamp - Galvanized (2 Bolt)	1902010
10	6" Inlet Elbow	9362602
11	6" Tee Inlet Pipe Assm.	9332213
12	Swing Around Anchor	9361527

ITEM	DESCRIPTION	PART #
13	Swing Around Frame Angle	9332211
14	Pull Plate Assm	9361491
15	Inlet Support Strap - 6" Inlet	9361818
16	6" Pipeline Drain	1703157
17	Sheave Bushing	0192028
18	5/8" x 2-1/4" Cap Screw	0161012
19	5/8" Lock Nut	0133010
20	1/2" x 2" Cap Screw	0161024
21	1/2" Lock Nut	0133005
22	1/2" x 1-1/4" Cap Screw	0161027
23	Binding Chain - High Test - Short	0323067
24	Chain Shackle	0992947

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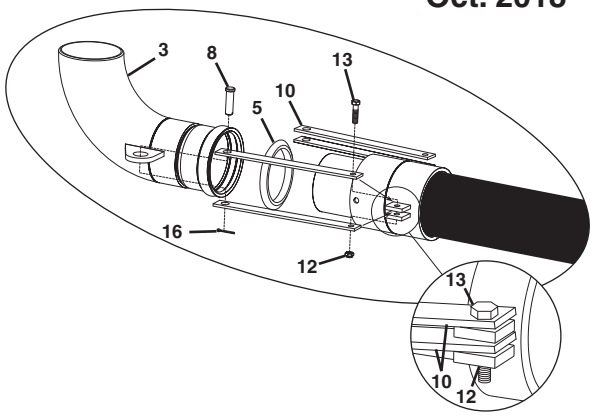
ITEM	DESCRIPTION	PART #
1	Hose Pull Plate	9361491
2	6" Tee Assm.	9332213
3	6" Inlet Elbow	9362602
4	Slip Hook	0992731
5	Chain - High Test, 129.00" Long	0323066
6	Chain Shackle	0992947
7	Water Hose - 6" x 114" Long	0272047
8	6" Flex Joint Clamp	0991186
9	6" Male Hose End	9361794
10	Circle Lock Ring - 6"	0992318
11	6" Gasket	0221015
12	Pull Strap	9332217
13	Pull Strap	9361925

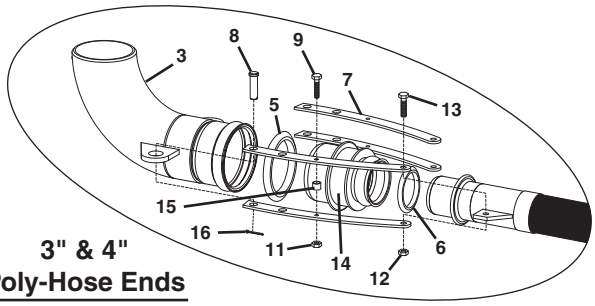
ITEM	DESCRIPTION	PART #
14	4" Gasket	0221010
15	Short Strap Adapter	9332034
16	Adapter Strap	9332219
17	Roller Bushing	1800207
18	1/2" Lock Nut	0133005
19	1/2" x 2" Cap Screw	0161024
20	4" to 6" Pierce Adapter	9361924
21	3/4" x 2-1/2" Clevis Pin	0112017
22	1/8" x 1-1/2" Cotter Pin	0151010
23	5/16" x 1-1/2" Cap Screw	0161049
24	6" Poly to 6" Soft Hose Adapter	9332229
25	5/16" Lock Nut	0133007

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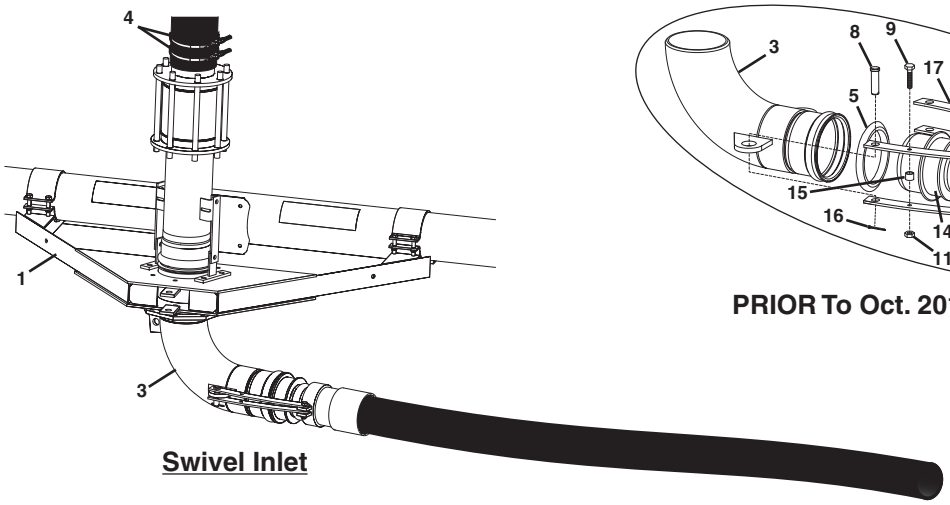
EFFECTIVE
Oct. 2018

6" Poly-Hose End

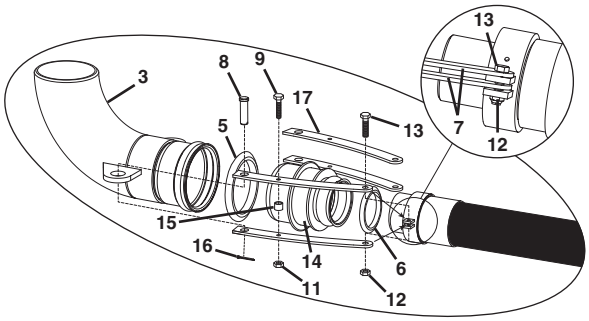




3" & 4"
Poly-Hose Ends



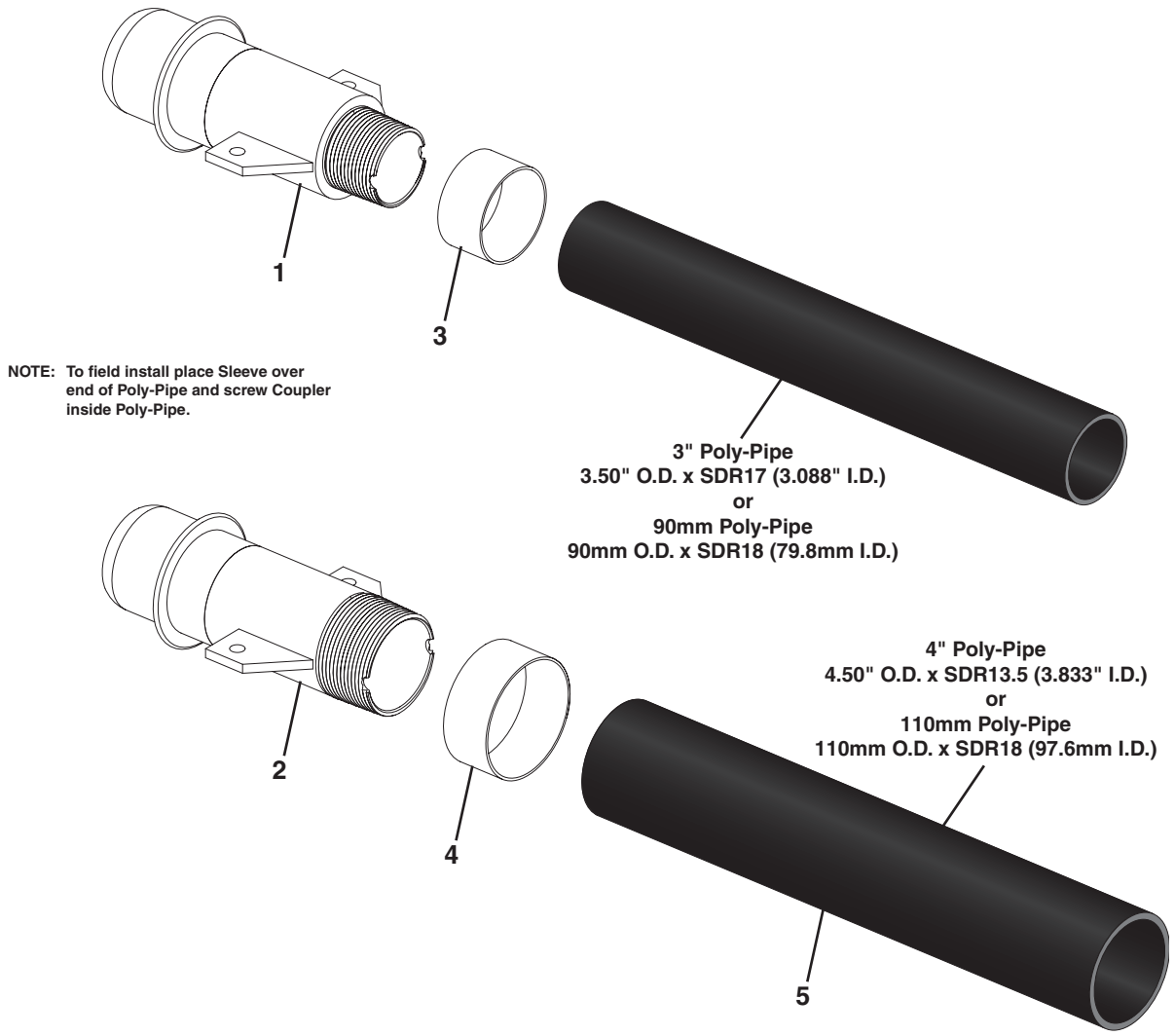
Swivel Inlet



PRIOR To Oct. 2018 **4-3/4"**
Poly-Hose Ends

ITEM	DESCRIPTION	PART #
1	Hose Pull Frame - 6" Inlet	9332208
2	Swivel Coupler	9363037
3	6" Inlet Elbow	9362602
4	6" Flex Joint Clamp	0991186
5	6" Gasket	0221015
6	4" Gasket	0221010
7	Pull Adapter Strap	9361925
8	3/4" x 2-1/2" Clevis Pin	0112017
9	5/16" x 1-1/2' Cap Screw	0161049
10	Pull Strap	9332219
11	5/16" Lock Nut	0133007
12	1/2" Lock Nut	0133005
13	1/2" x 2" Cap Screw	0161024
14	4" to 6" Pierce Adapter	9361924
15	Roller Bushing	1800207
16	1/8" x 1-1/2" Cotter Pin	0151010
17	Pull Strap (PRIOR To Oct. 2018)	9332217

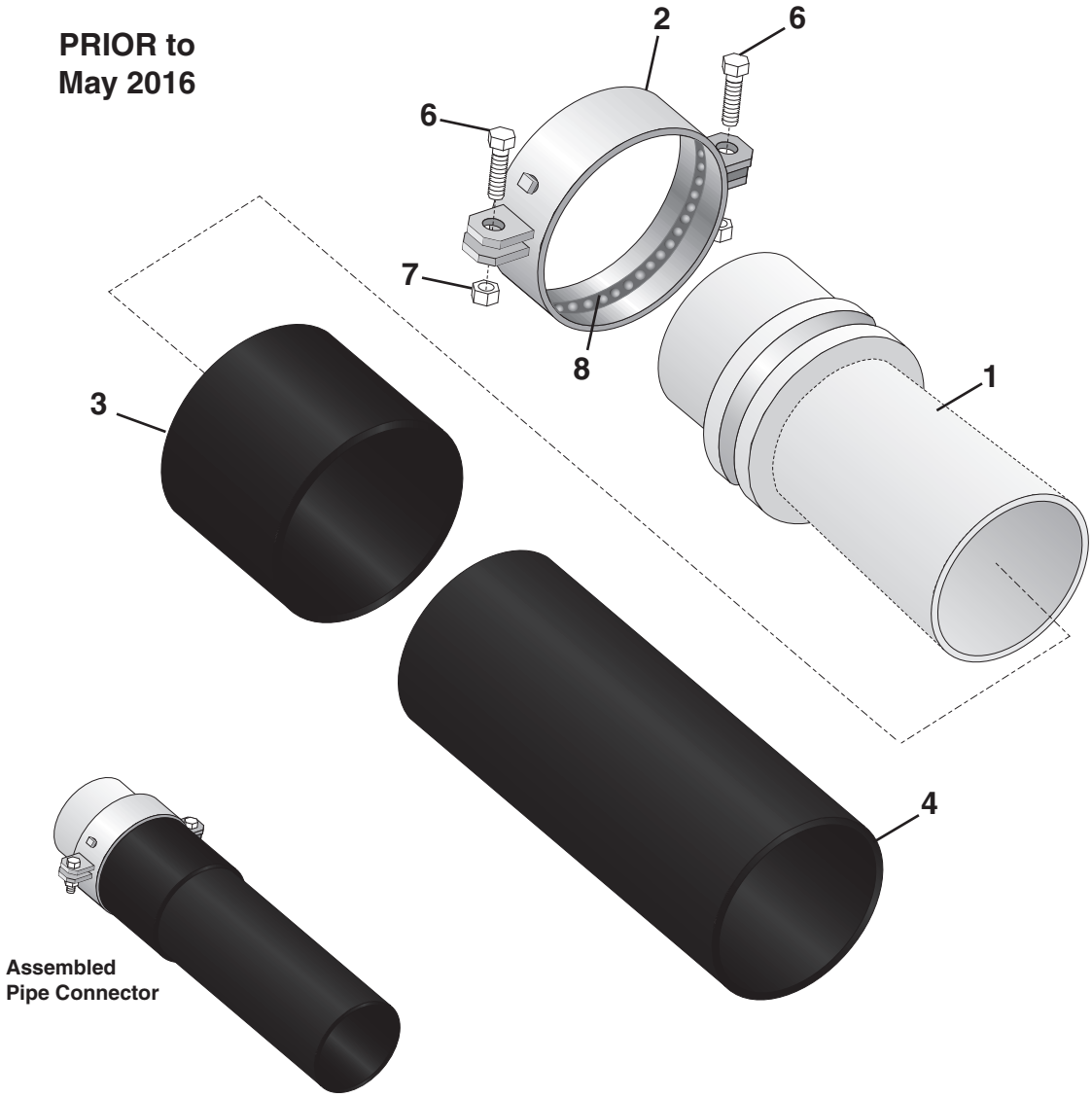
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ITEM	DESCRIPTION	PART #
1	3" PE Pipe Fitting x 4" Coupler	9361521
2	4" PE Pipe Fiting x 4" Coupler	9361522
3	3" PE Pipe Sleeve	9361523
4	4" PE Pipe Sleeve	9361524
5	4" x 750' POLY Coil	0997223

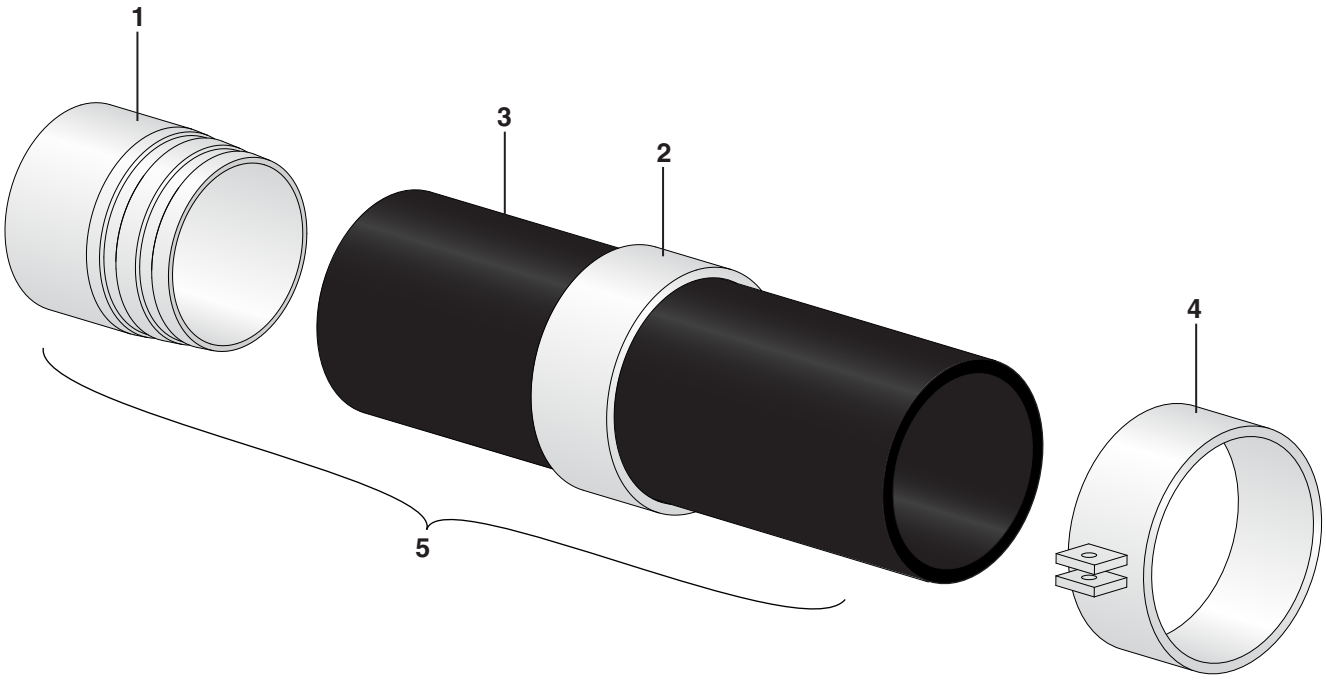
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PRIOR to
May 2016



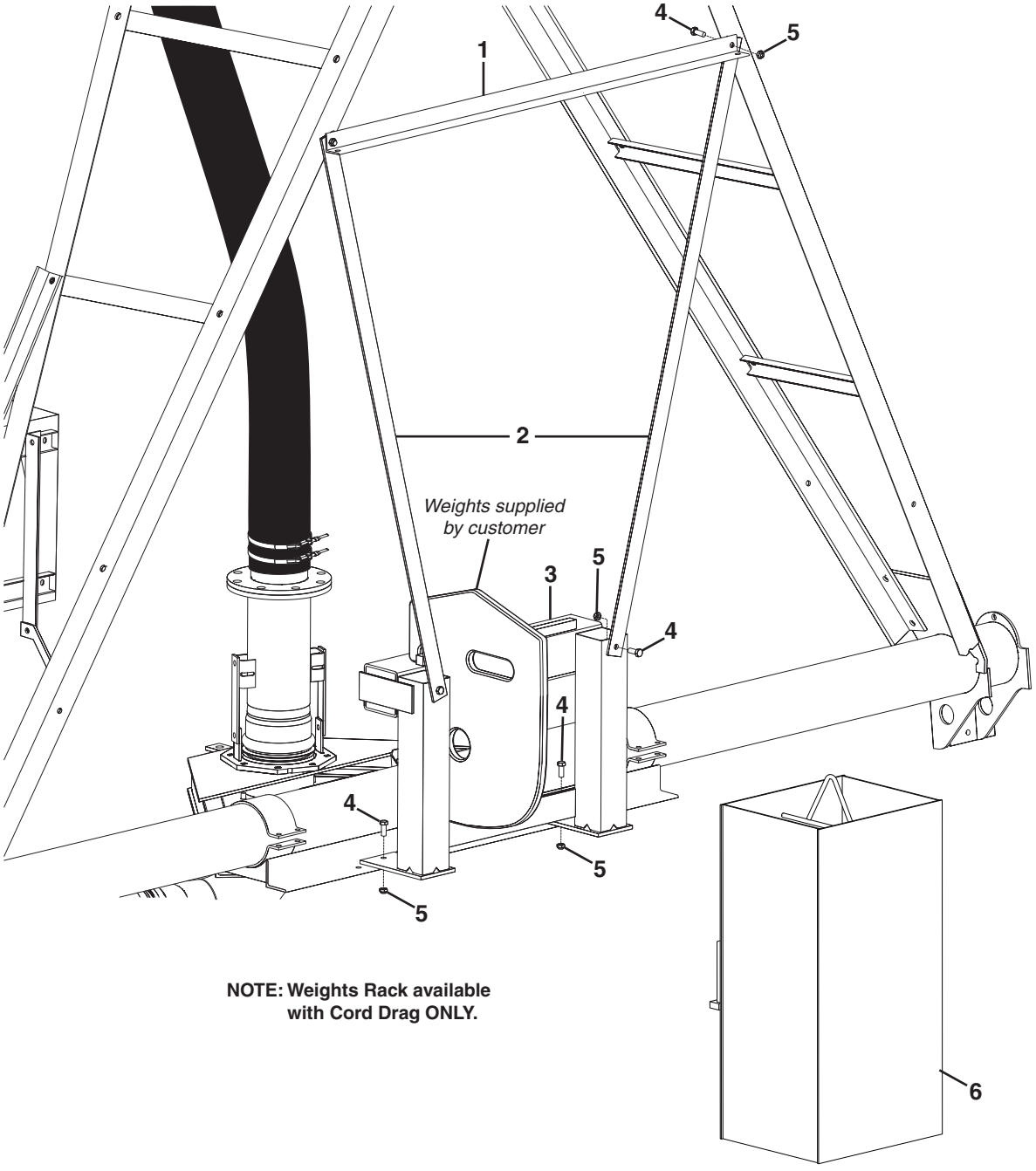
ITEM	DESCRIPTION	5.375" SDR17 HOSE (4.705 I.D.)
1	Sleeve - Poly Pipe (OBSOLETED Jan 19)	1732045
2	Collar Swivel Assembly (OBSOLETED Jan 19)	1732046
3	Collar - Poly Pipe (OBSOLETED Jan 19)	1732044
4	Poly Pipe 28" (OBSOLETED Jan 19)	1732043
5	Pipe Plug 1/4" NPT	0246104
6	1/2" x 2" Cap Screw	0161024
7	1/2" Lock Nut	0133005
8	Ball Bearing	0992326
	COMPLETE Poly Pipe & Assembly (DISCONTINUED Jan 19)	1732042
	39' Poly Pipe (DISCONTINUED Jan 19)	0992329

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ITEM	DESCRIPTION	6.625” SDR11 (5.348" I.D.)	5.563" SDR11 (4.491" I.D.)
1	Poly Pipe End	9332226	9332250
2	Sleeve - Poly Pipe	9332224	9332251
3	Poly Pipe 29"	9332225	0999838
4	Pull Ring Assembly	9332221	9332253
5	Poly Pipe & Assembly (Incl. Items 1 thru 3)	9332223	9332254
	39' Poly Pipe	0997928	0999836

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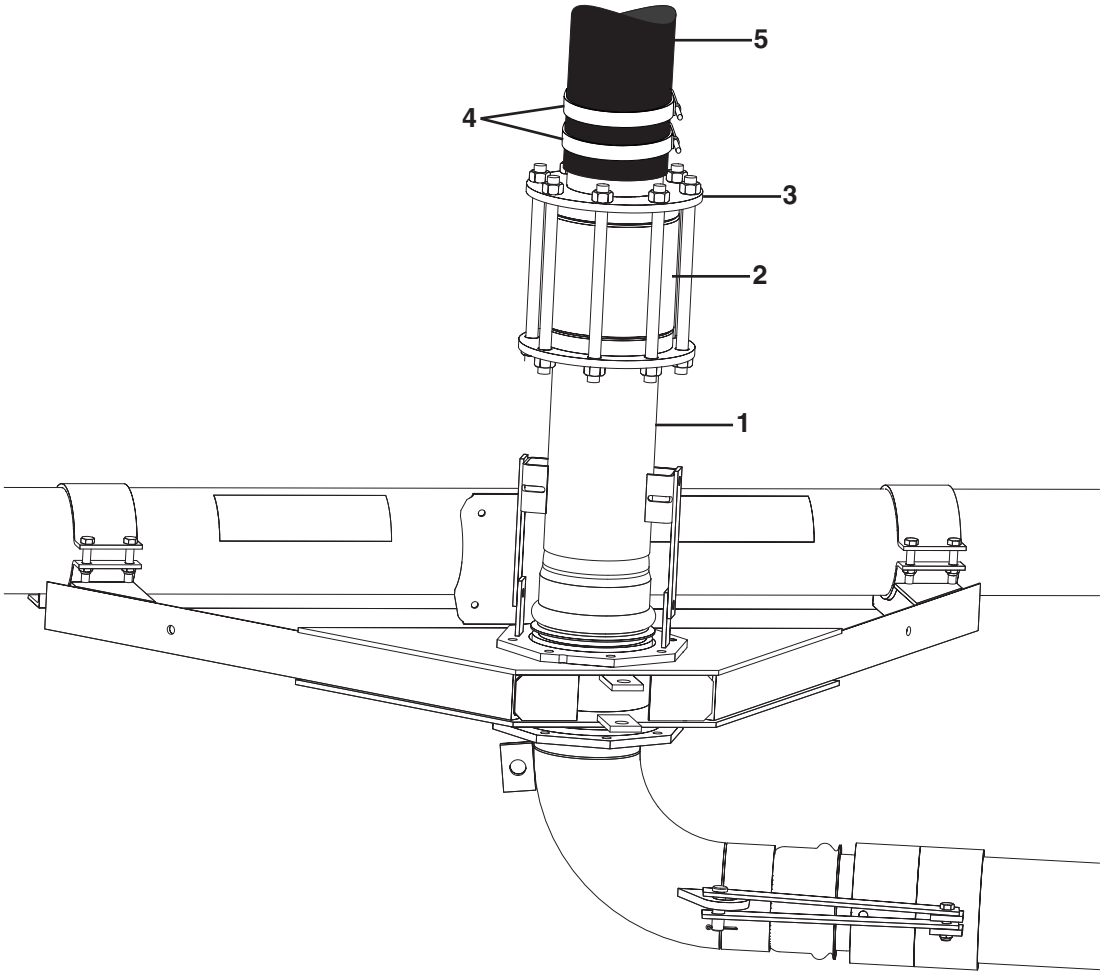


NOTE: Weights Rack available with Cord Drag ONLY.

ITEM	DESCRIPTION	PART #
1	Angle Spreader	9360188
2	Support Strap	9332245
3	Weight Rack Assm.	9332240
4	1/2" x 1-1/4" Cap Screw	0161027
5	1/2" Lock Nut	0133005
*6	Concrete Weight Box	9363907

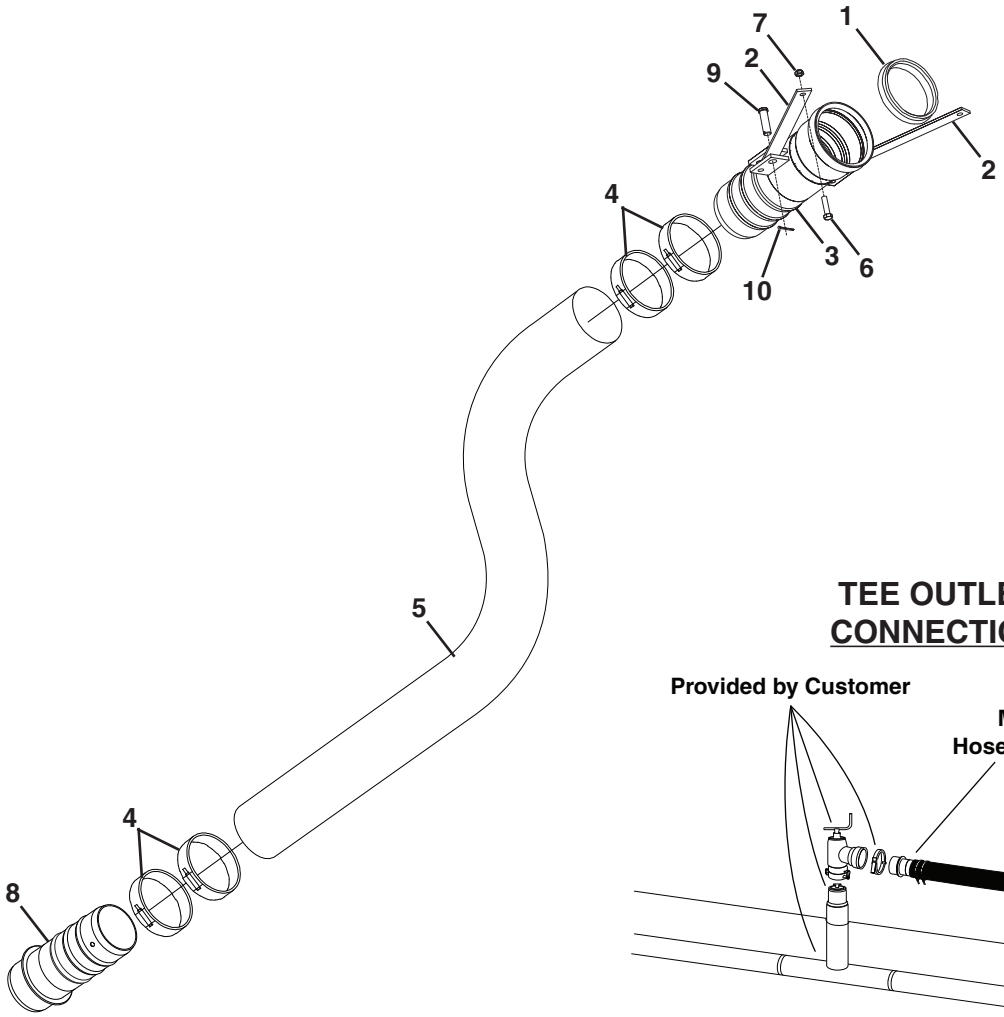
*** NOTE: Concrete provided by customer.**

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ITEM	DESCRIPTION	PART #
1	Swivel Coupler	9363037
2	6" Nelson Valve	0232515
3	Hose Barb	9332222
4	Flex Joint Clamp	0991186
5	Hose - 94" Long	9332191

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TEE OUTLET CONNECTION

ITEM	DESCRIPTION	6.625” POLY Hose (SDR11) PART #	6.625” POLY Hose (SDR17) PART #	5.375” POLY Hose (SDR17) PART #	8.625” POLY Hose (SDR17) PART #	5.563” POLY Hose (SDR11) PART #
1	Gasket	0221015(6”)	0221015(6”)	0221010(4”)	099P004(8”)	0221015(6”)
2	Adapter Strap	9332219	9332035	9332035	9362642	9332219
3	Female Hose Adapter	9332229	9362107(6”)	9362106(4”)	9362565(8”)	9332229
4	Clamp	0991186(6”)	0991186(6”)	0991186(6”)	0991147(8”)	0991186(6”)
5	Soft Hose	0272047(6”)	0272047(6”)	0272047(6”)	0272049(8”)	0272047(6”)
6	1/2” x 2” Cap Screw	0161024	0161024	0161024	0161024	0161024
7	1/2” Lock Nut	0133005	0133005	0133005	0133005	0133005
8	Male Hose Adapter	9361794	9361794	9361794	9362567	9362567
9	3/4” x 2-1/2” Clevis Pin	0112017	N/A	N/A	N/A	0112017
10	1/8” x 1-1/2” Cotter Pin	0151010	N/A	N/A	N/A	0151010

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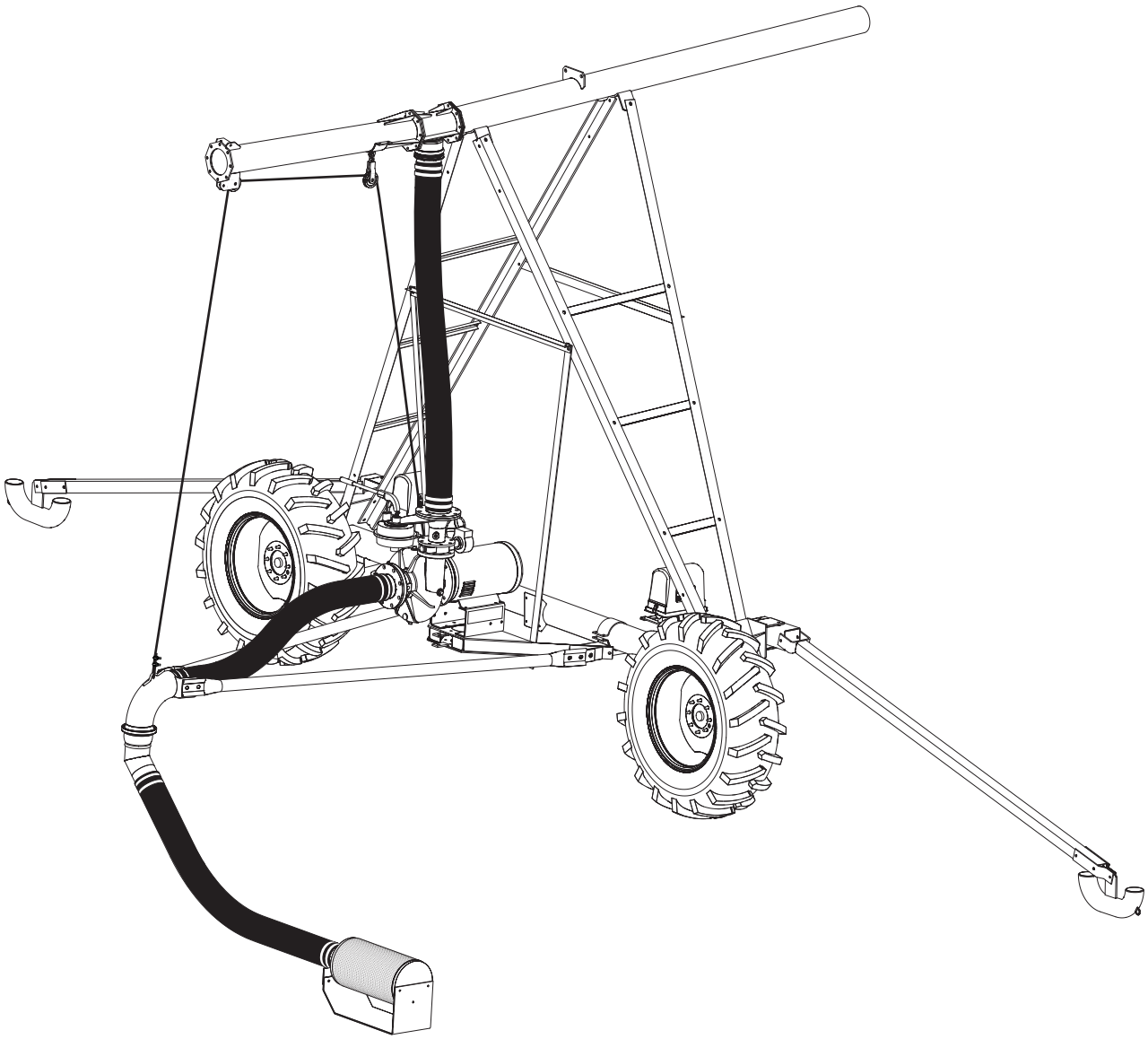
DITCH FEED

2 Wheel Linear - Effective 6/10

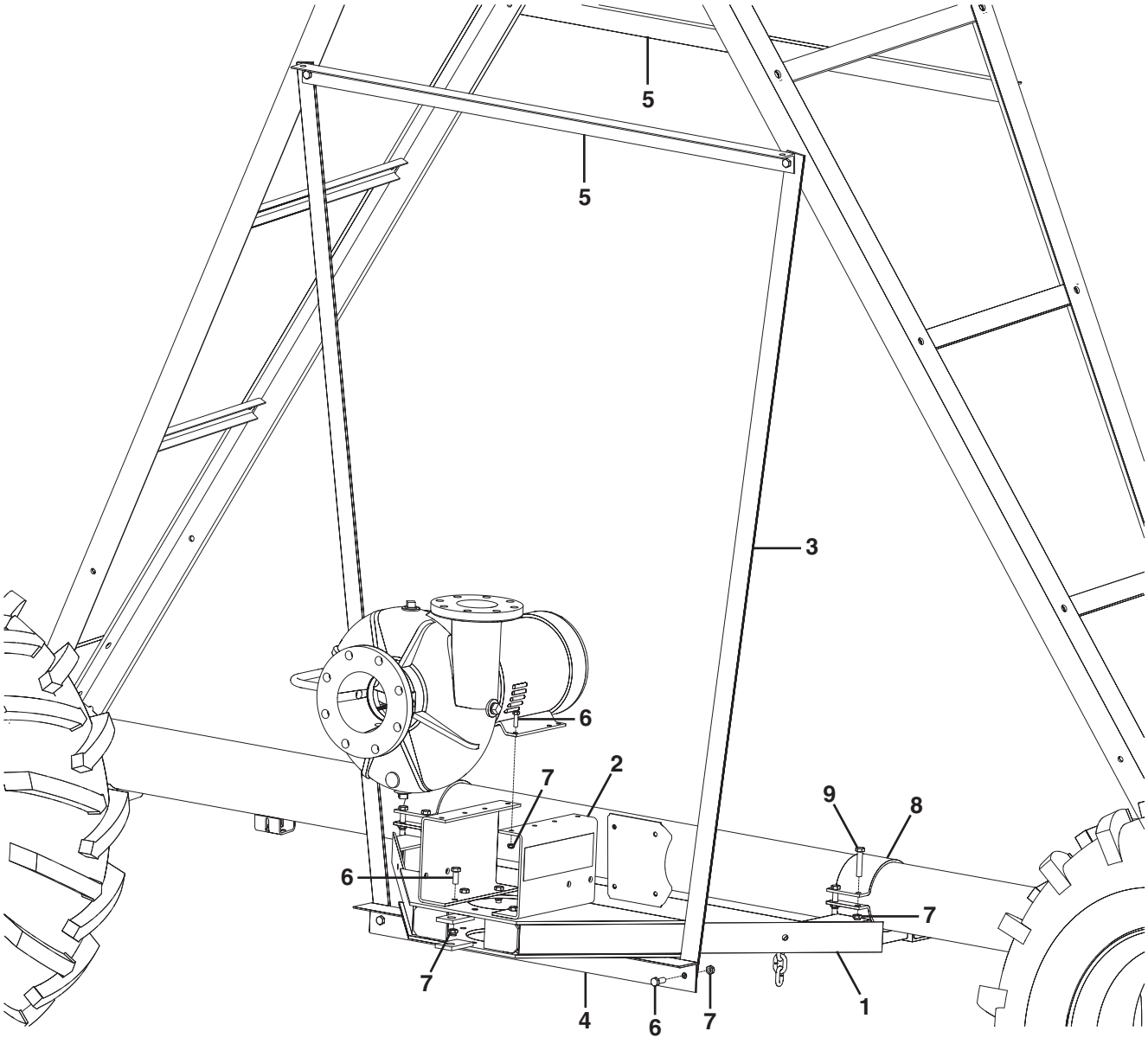
Description	Rev. #	Pg. #
Overall Assembled View	01-17	3-3
Pump Frame	01-17	3-4
Pump Discharge	01-17	3-5
Suction Inlet	01-17	3-6
Suction Inlet	06-10	3-7
Suction Screen	06-10	3-8
Inlet Lift	01-13	3-9
Primer Pump	06-10	3-10
Compressed Air Vacuum Pump Primer	11-17	3-11

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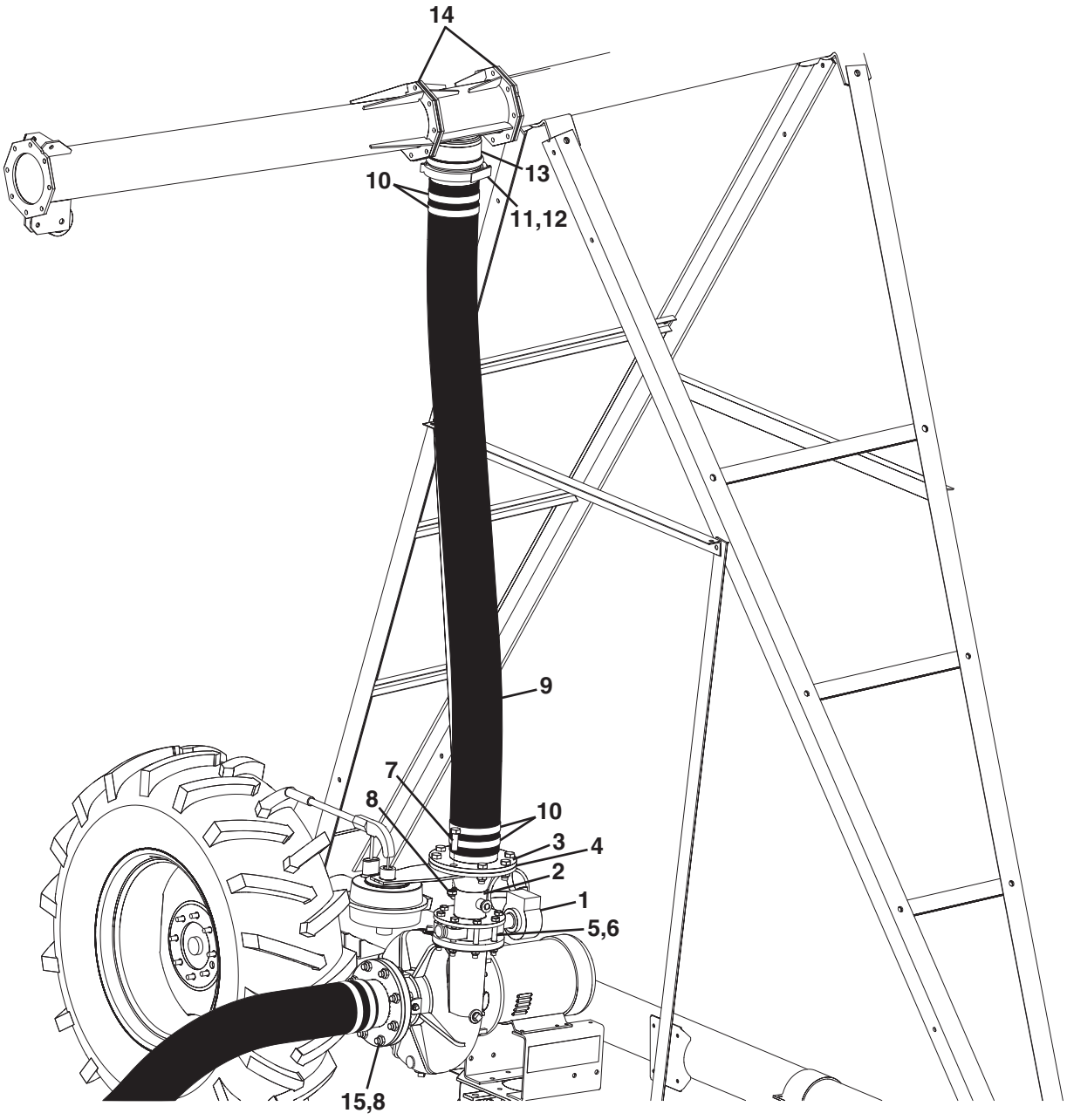
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ITEM	DESCRIPTION	PART #
1	Pump Mount Frame Assm.	9363742
2	Pump Mount Channel	9363743 *
3	Pump Support Strap	9363744
4	Pump Support Angle	9363745
5	Angle Spreader	9360188
6	1/2" x 1-1/4" Cap Screw	0161027
7	1/2" Lock Nut	0133005
8	6-5/8" Half Clamp	1700622
9	1/2" x 2-1/2" Cap Screw	0161023

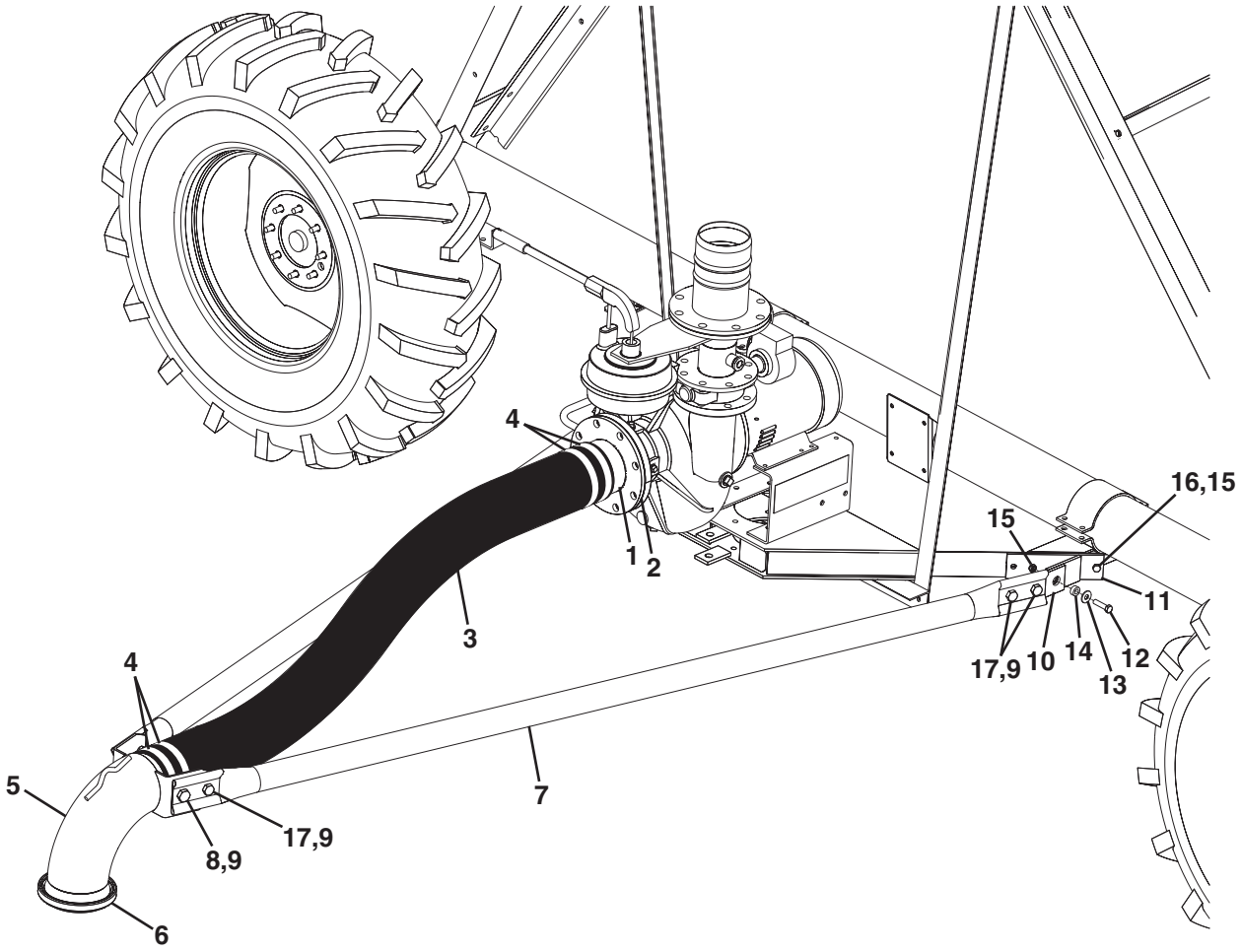
*** NOTE: 10 hp Pump uses Pump Mount Channel, Tall .....9363781 (uses 3/8" x 1-1/4" C.S. (0161153) & 3/8" Lock Nut (0133006), in place of items 6 & 7 above)**

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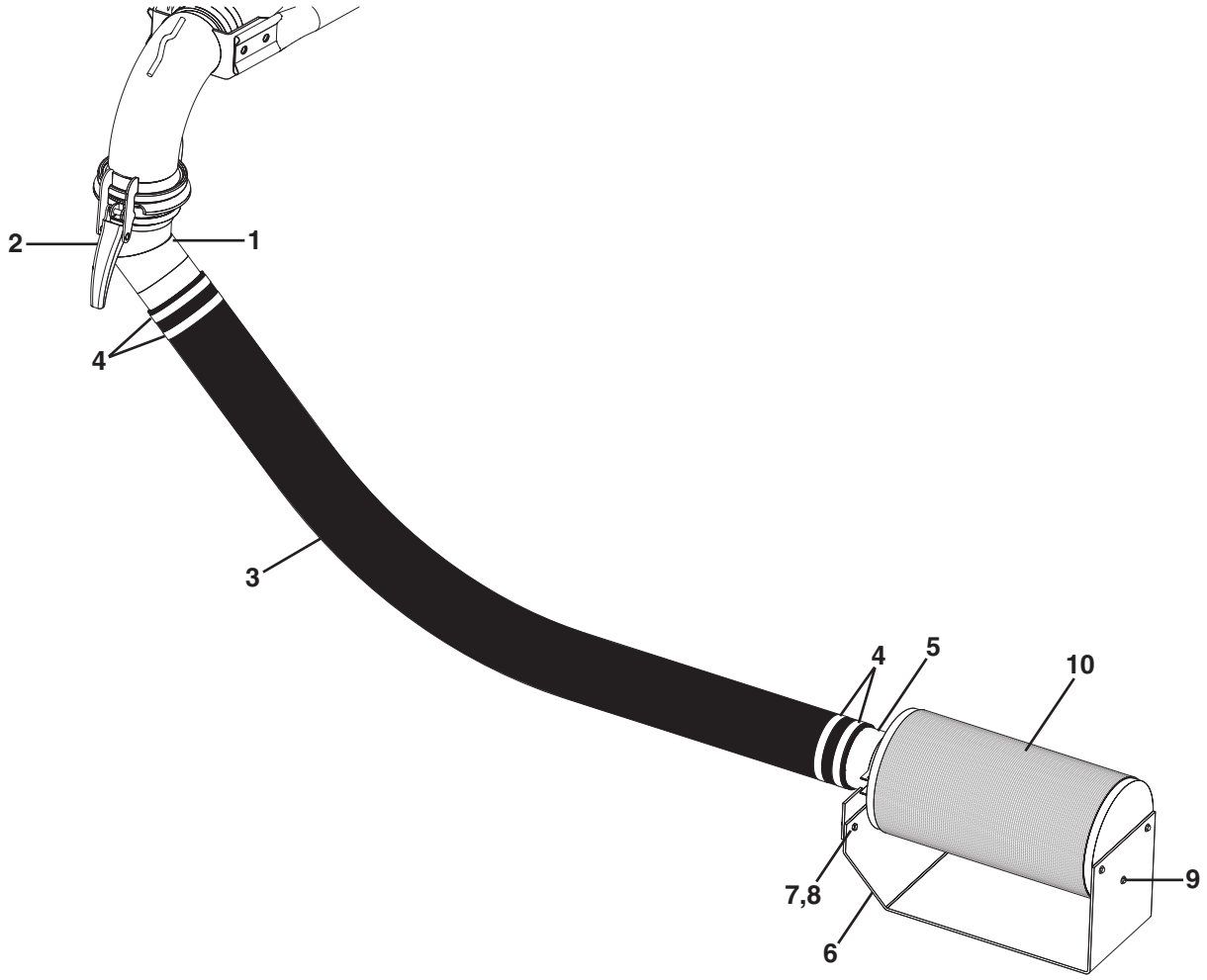
ITEM	DESCRIPTION	PART #
1	Butterfly Valve - 4"	0995562
2	4" x 6" ANSI Reducer	9363747
3	6" ANSI Hose Barb Assm.	9332222
4	6" Gasket - Rubber	0996639
5	5/8" x 4-1/2" Cap Screw	0161121
6	5/8" Lock Nut	0133010
7	3/4" x 2-1/4 Cap Screw	0161157
8	3/4" Lock Nut	0133011
9	Hose - 6" I.D. x 86"	9363750
10	6" Flex Joint Clamp	0991186
11	6" Circle Lock Ring	0992318
12	6" Pierce Gasket	0221015
13	6" Male Inlet Adapter	9361794
14	6-5/8" Flat Gasket	0992211
15	3/4" x 2-1/2" Cap Screw	0161159

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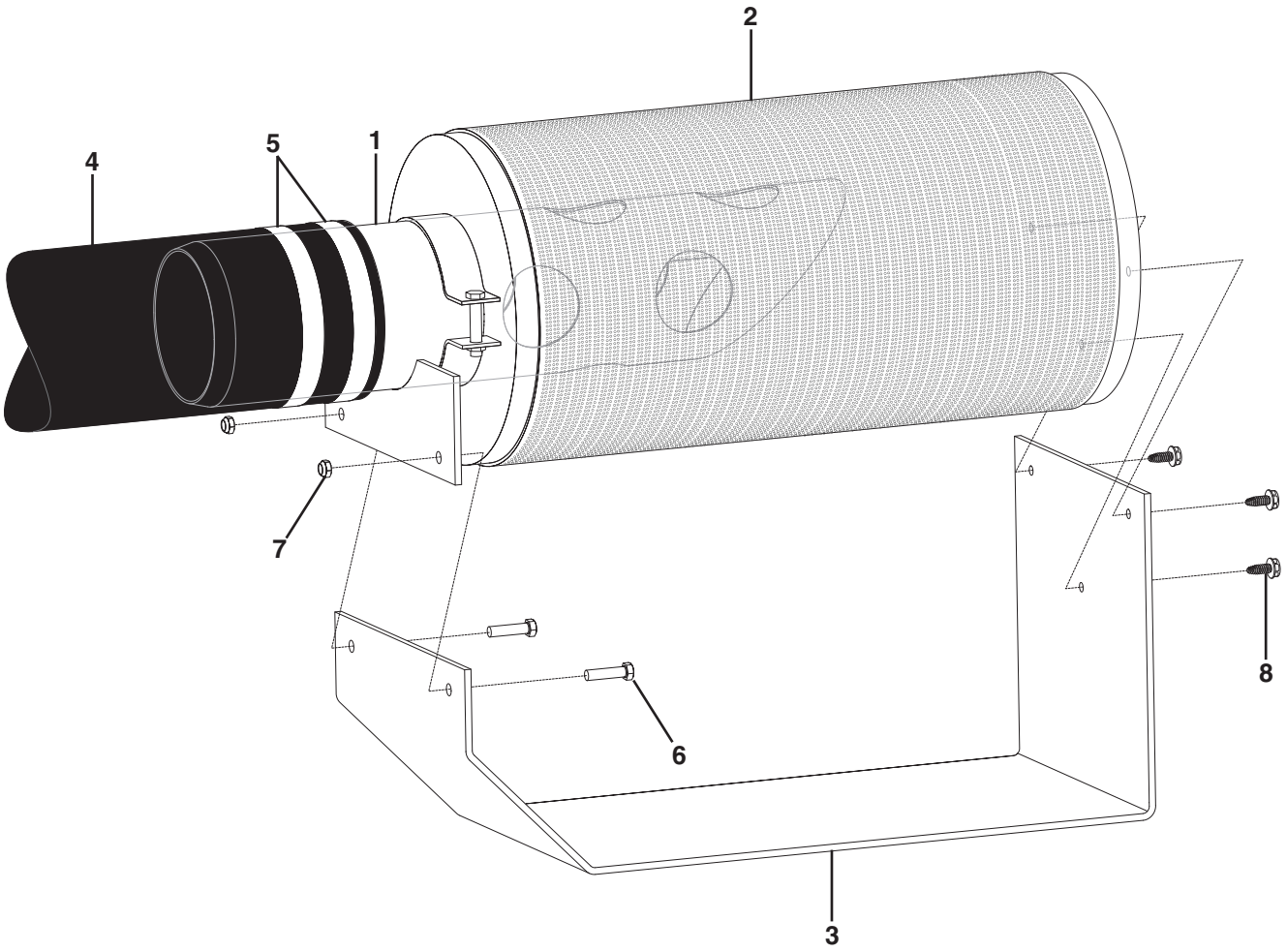
ITEM	DESCRIPTION	PART #
1	6" ANSI x 6" Hose Assm.	9363749
2	6" Rubber Gasket	0996639
3	6" I.D. x 70" Long Suction Hose	9363758
4	6" Flex Joint Clamp	0991186
5	Suction Elbow Assm.	9363755
6	6" Bauer O-Ring	0256041
7	Suction Elbow Brace	9363751
8	3/4" x 1-1/2" Cap Screw	0161196
9	3/4" Lock Nut	0133011
10	Hinge Bar	9363759
11	Hinge Bracket Assm	9363754
12	1/2" x 2" Cap Screw	0161024
13	1/2" Flat Washer	0142026
14	Flex Joint Bushing	1730525
15	1/2" Lock Nut	0133005
16	1/2" x 1-1/4" Cap Screw	0161027
17	3/4" x 1-3/4" Cap Screw	0161139

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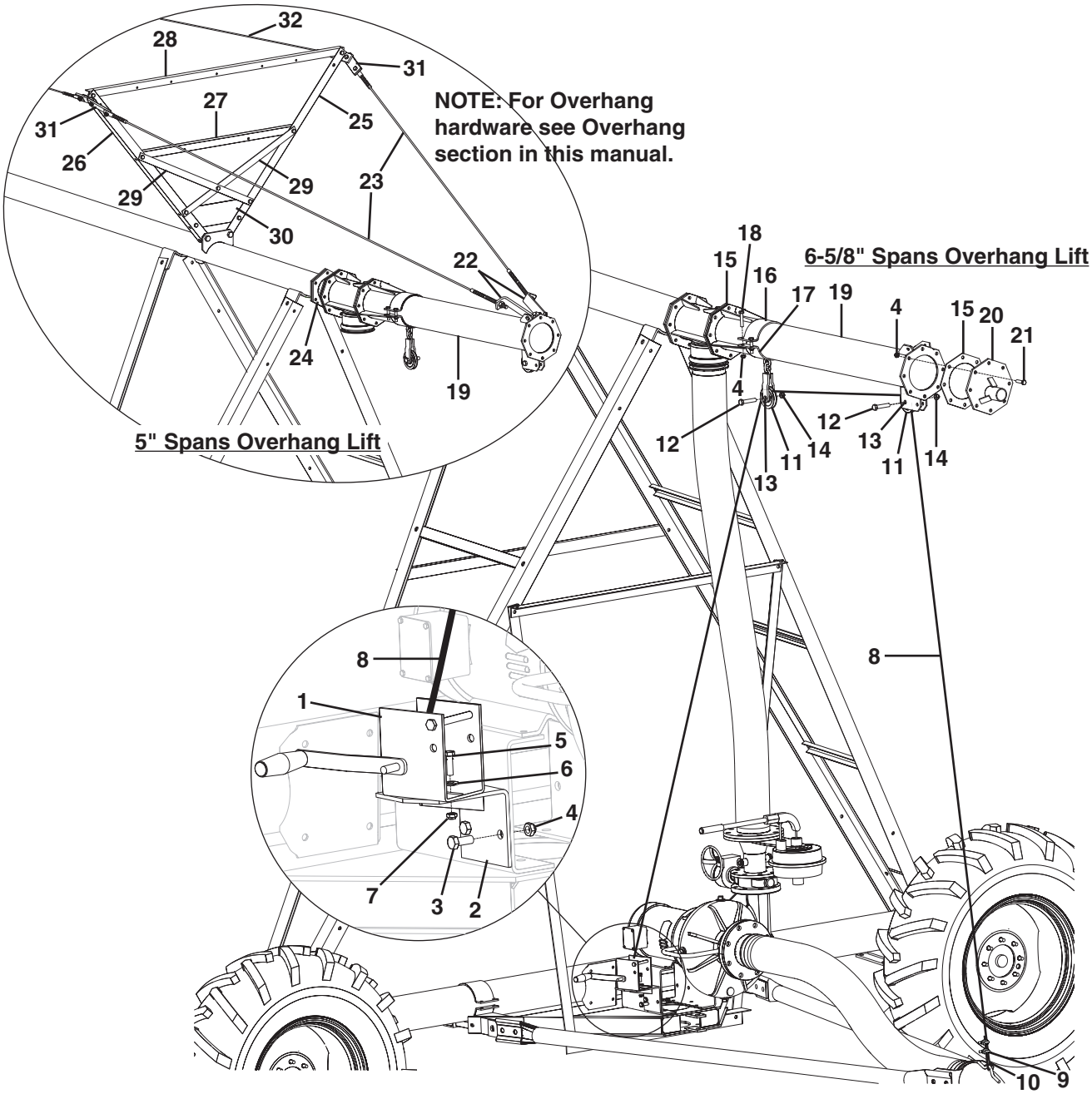
ITEM	DESCRIPTION	PART #
1	Assm., 6" Ball x 45° Inlet	9363756
2	6" Bauer Clamp	0998025
3	Hose - 6" I.D. x 85" Suction	9363764
4	6" Flex Joint Clamp	0991186
5	Assm., 6" Aluminum Inlet Pipe	0998026
6	Aluminum Skid	0998028
7	3/8" x 1-1/2" Cap Screw	0161082
8	3/8" Lock Nut	0133006
9	5/16" x 3/4" Cutting Screw	0164205
10	Assm., Aluminum Suction Screen	0998027

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ITEM	DESCRIPTION	PART #
1	6" Aluminum Inlet Pipe Assm.	0998026
2	Suction Screen Assm. - Aluminum	0998027
3	Aluminum Skid	0998028
4	6" I.D. x 85" Long Suction Hose	9363764
5	6" Flex Joint Clamp	0991186
6	3/8" x 1-1/2" Cap Screw	0161082
7	3/8" Lock Nut	0133006
8	5/16" x 3/4" Cutting Screw	0164205

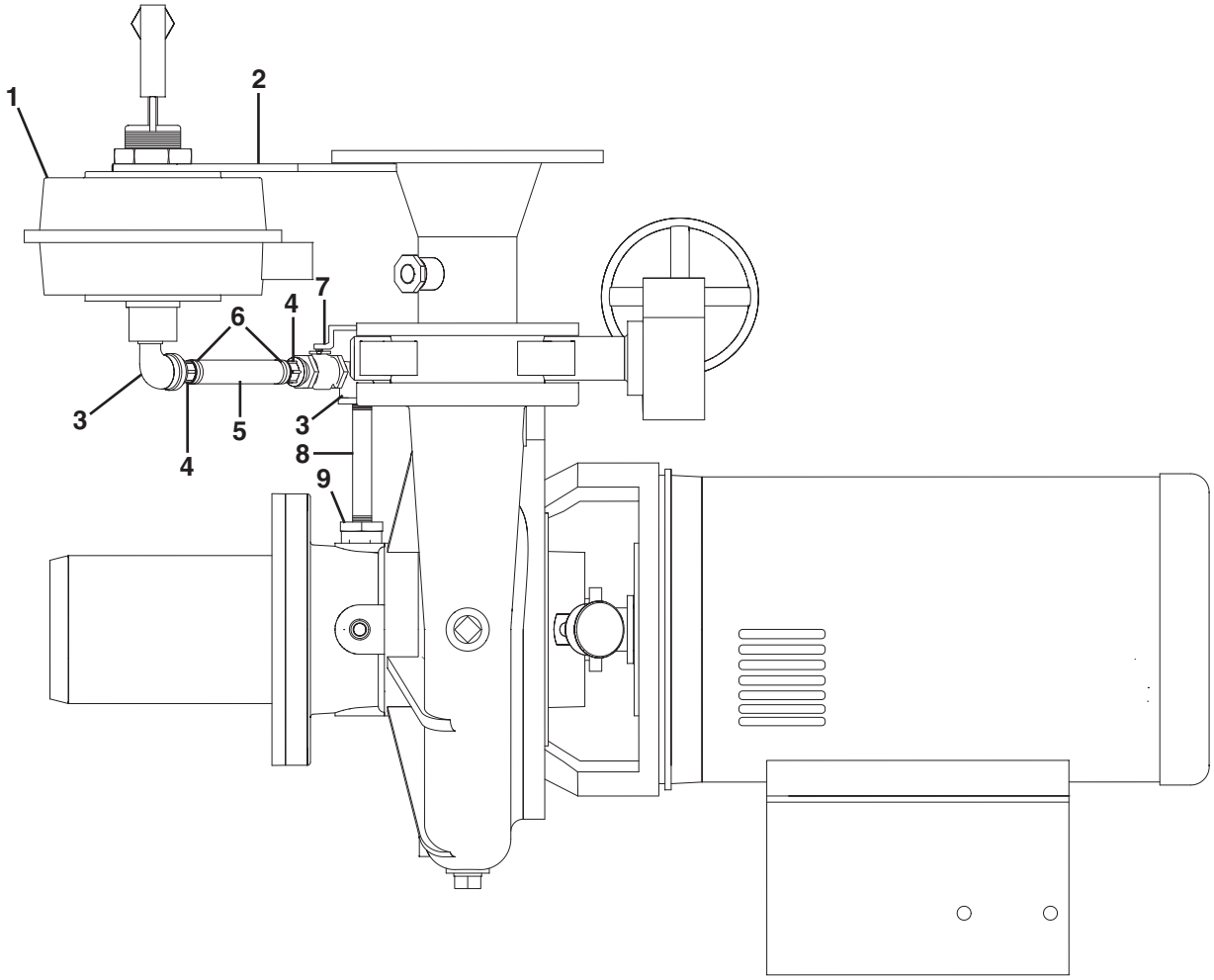
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ITEM	DESCRIPTION	PART #
1	Winch - 1300 lbs.	0301056
2	Winch Mount Assm.	9363767
3	1/2" x 1-1/4" Cap Screw	0161027
4	1/2" Lock Nut	0133005
5	3/8" x 1-1/4" Cap Screw	0161153
6	3/8" Flat Washer	0142031
7	3/8" Lock Nut	0133006
8	Winch Cable	1731186
9	5/16" Cable Clamp	0202021
10	5/16" Cable Thimble	0202028
11	Sheave - Plastic	1915646
12	5/8" x 3" Cap Screw	0161010
13	Sheave Bushing	0192028
14	5/8" Lock Nut	0133010
15	6-5/8" Flat Gasket	0992211
16	6-5/8" Half Clamp	1700622

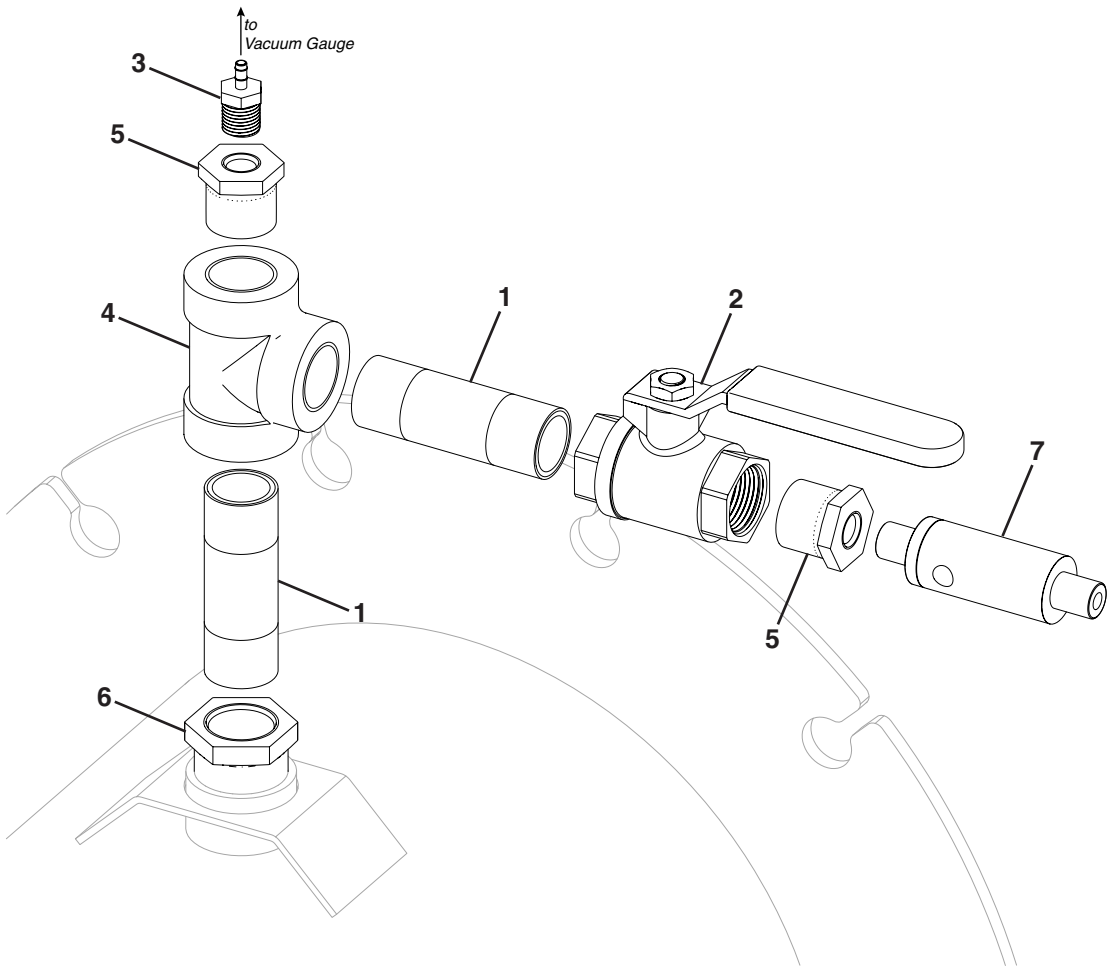
ITEM	DESCRIPTION	PART #
17	Winch Pulley Mount	9360309
18	1/2" x 2-1/2" Cap Screw	0161023
19	6-5/8" Overhang Lift Pipe Assm.	9363760
20	6-5/8" End Plate Assm.	1800036
21	1/2" x 2" Cap Screw	0161024
22	Overhang Down Cable Support Bracket	1900024
23	Overhang Lift Cable	9363761
24	6-5/8" x 5" Reducer	9361889
25	Overhang Truss - RH	9360044
26	Overhang Truss - LH	9360045
27	Sign Support - Lower	9360227
28	Sigh Support - Upper	9360228
29	Short Overhang Stabilizer Strap	9361716
30	Gusset - Std. Span	1701641
31	Attaching Bracket Plate	1732700
32	Short Back Cable	9360713

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ITEM	DESCRIPTION	PART #
1	Protek Primer Pump	0998024
2	Primer Pump Mount Bracket	9363757
3	3/4" x 90° Street Elbow Fitting	0241012
4	3/4" MNPT x 3/4" Hose Barb	0271077
5	3/4" EVA Clear Tubing - 1'	9363741
6	3/4" Hose Clamp	0271001
7	3/4" Brass Ball Valve - Full Throw	0232045
8	3/4" x 6" Nipple - Galvanized	0211080
9	1" x 3/4" Reducer Fitting	0244038

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ITEM	DESCRIPTION	PART #
1	3/4" x 3" Nipple - Galvanized	0211055
2	3/4" Ball Valve - Brass Full Throw	0232045
3	1/4" NPT x 1/4" Tube Connector - Brass	0232366
4	3/4" x 3/4" x 3/4" Tee Fitting - Galvanized	0242002
5	3/4" x 1/4" Reducer Fitting - Galvanized	0244025
6	1" x 3/4" Reducer Fitting - Galvanized	0244038
7	Vacuum Pump - Stainless Steel	9364787
	30" HG VAC/0-100 psi Gauge (not shown)	0231142*
	Compressed Air Vacuum Primer Kit	KA02704
	*Compressed Air Vacuum Primer Kit w/Gauge	KA02705

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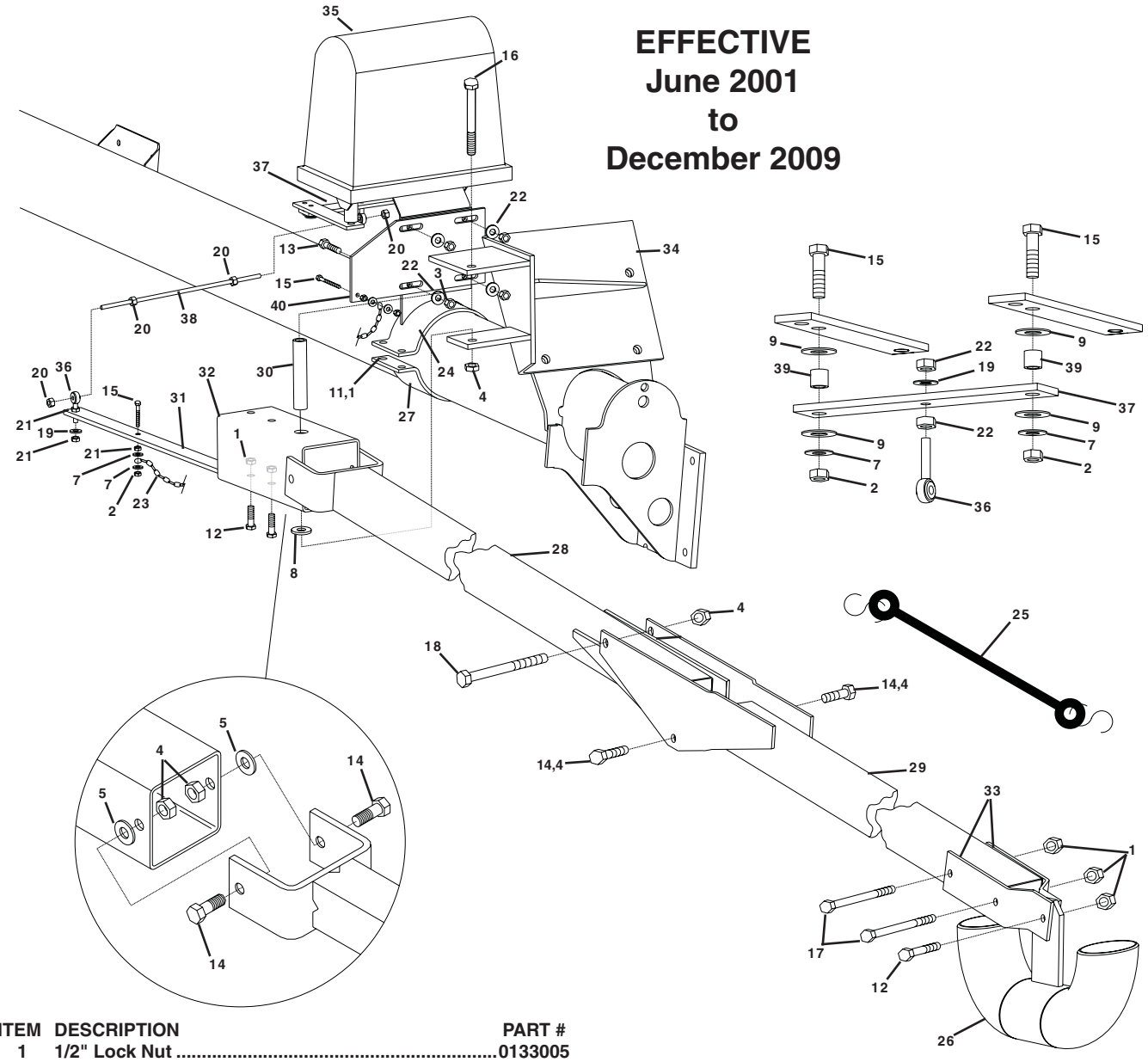
GUIDANCE

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
Furrow Guidance D/U Mounted & 2 Wheel Linear - Eff. June 01 to December 09	01-10	4-3
Furrow Guidance D / U Mounted & 2 Wheel Linear - Eff. January 10	04-15	4-4
Furrow Guidance Switch Box	12-17	4-5
Below Ground Guidance	01-10	4-6
Below Ground Guidance Parts List	12-15	4-7
Oscillator Enclosure - Below Ground Guidance	05-18	4-8
Solar Powered Oscillator Pedestal	04-19	4-9
Guidance Controls	06-16	4-10
Linear Span Tower Box	09-18	4-11
SF 3000 GPS Guidance Recvr. & Control Panel Mount. - DISC. Dec. 12	02-19	4-12
SF 3000 GPS Guidance Reference Station Mounting - DISC. Dec. 12	09-17	4-13
NavCom3050 GPS Guidance Receiver & Control Panel Mounting	02-19	4-14
NavCom3050 GPS Guidance Reference Station Mntg. & Cable Routing	09-17	4-15
NavCom3050 GPS Guidance In-Panel	09-17	4-16
NavCom3050 GPS Tower Box	09-17	4-17
NavCom3050 GPS Guidance 900 MHz Repeater Mounting	09-17	4-18
GPS Guidance Control Panel	02-19	4-19
Trimble GPS Antenna & Control Panel Mounting	02-19	4-20
900MHz Trimble GPS Guidance In-Panel	03-17	4-21
Endfeed GPS Guidance In Panel	02-19	4-22
Single Frequency GPS Shared Reference Station - INTL ONLY	02-19	4-23
Power Box - 480/120 VAC In to 12VDC Out	08-17	4-24

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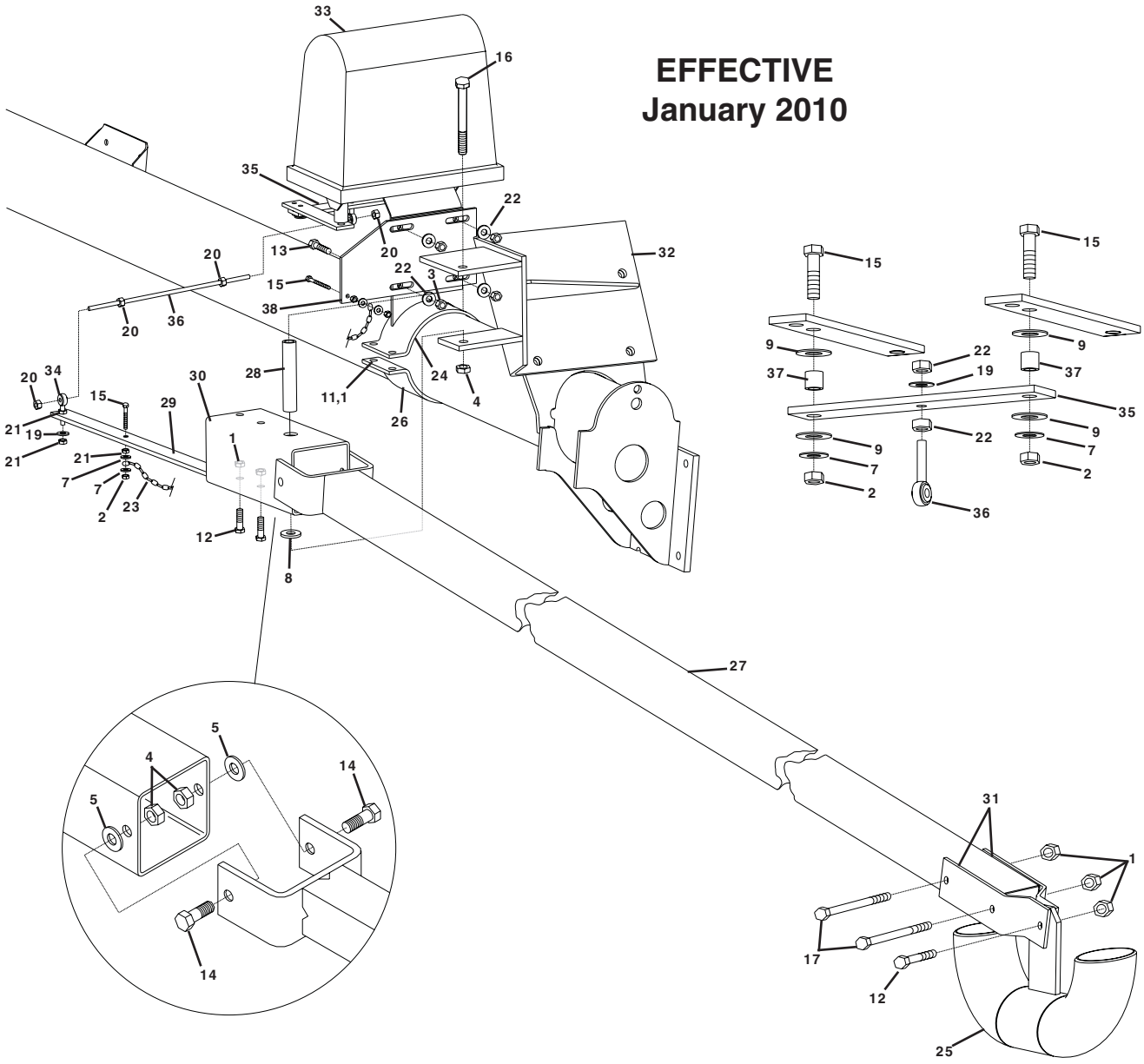
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ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/16" Lock Nut	0133007
3	3/8" Lock Nut	0133006
4	5/8" Lock Nut	0133010
5	5/8" Flat Washer	0142011
7	5/16" Flat Washer	0142017
8	1" Flat Washer	0142020
9	1/2" Flat Washer - Wide	0142026
11	1/2" x 2" Cap Screw	0161023
12	1/2" x 1-1/2" Cap Screw	0161026
13	3/8" x 1" Cap Screw	0161045
14	5/8" x 1-3/4" Cap Screw	0161088
15	5/16" x 1-1/2" Cap Screw	0161049
16	5/8" x 7" Cap Screw	0161104
17	1/2" x 4-1/2" Cap Screw	0161110
18	5/8" x 5-1/2" Cap Screw	0161105
19	5/16" Lock Washer	0141008
20	5/16" 18UNC Hex Nut, Stainless Steel	0131037
21	5/16" 24UNF Hex Nut, Stainless Steel	0131068
22	3/8" Flat Washer	0142031
23	Chain, 11 Links	0323065

ITEM	DESCRIPTION	PART #
24	Universal Linear Switch Box Mount	9332166
25	Rubber Tie Down	0992327
26	Skid Assembly	9332171
27	Clamp, 4" Wide Galvanized 6-5/8" Dia.	1700622
28	Rear Guidance Tube - Drive Unit Mounted ONLY	1732350
29	Front Guidance Tube - Drive Unit Mounted ONLY	1732357
30	Pivot Tube	1732361
31	Guidance Arm	9332164
32	Swivel Tube	1732369
33	Skid Mount Bar	9332167
34	Pivot Mount Bracket, Right Hand (Shown)	1780845
	Pivot Mount Bracket, Left Hand	1780844
35	Furrow Guidance Switch Box Assembly	1814132
36	5/16" Ball Joint Rod End	0992984
37	Guidance Link	9332163
38	Adjustment Rod	1731735
39	Roller Bushing	1800207
40	Stop Plate	9361293

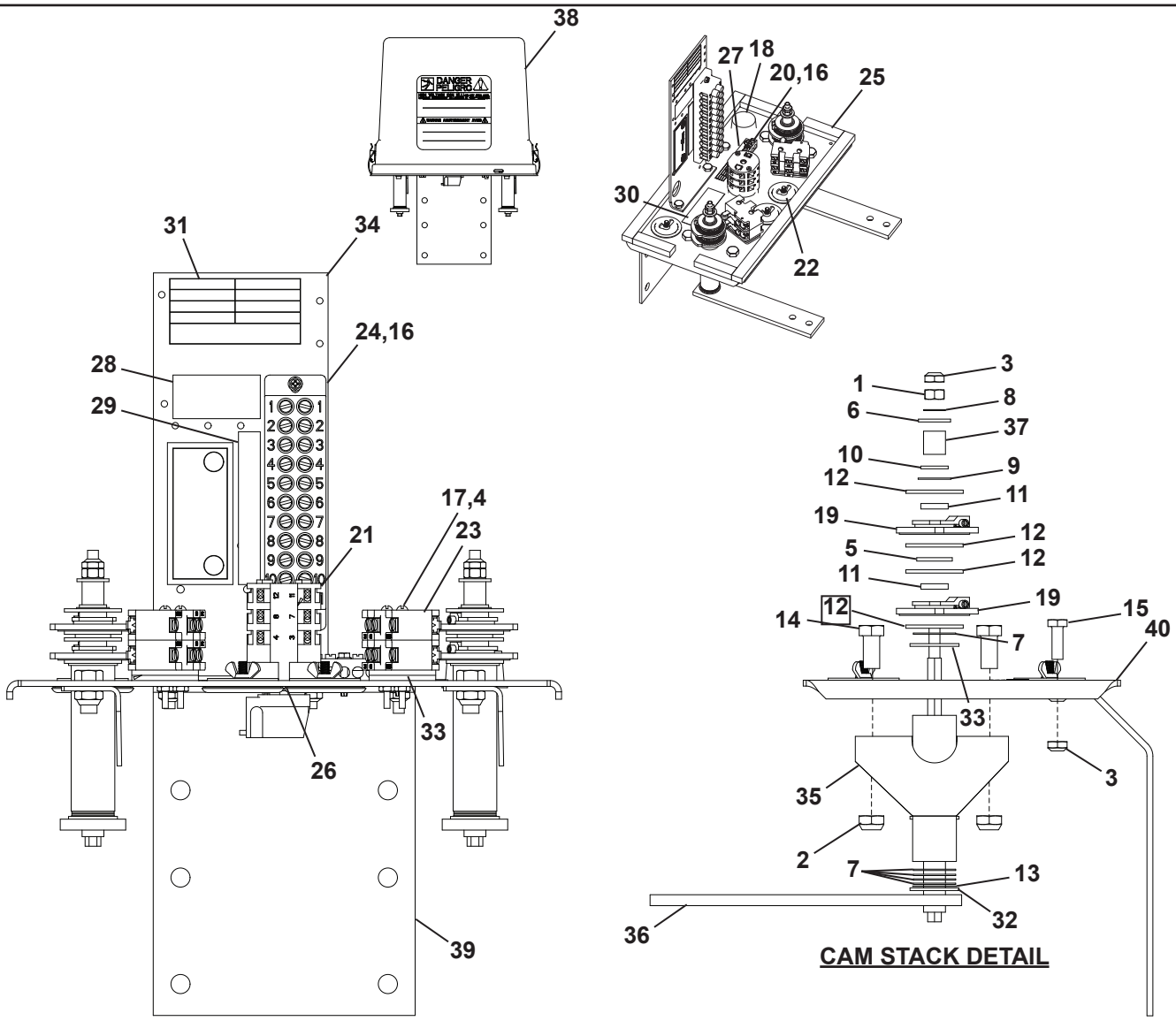
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ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/16" Lock Nut	0133007
3	3/8" Lock Nut	0133006
4	5/8" Lock Nut	0133010
5	5/8" Flat Washer	0142011
7	5/16" Flat Washer	0142017
8	1" Flat Washer	0142020
9	1/2" Flat Washer - Wide	0142026
11	1/2" x 2" Cap Screw	0161023
12	1/2" x 1-1/2" Cap Screw	0161026
13	3/8" x 1" Cap Screw	0161045
14	5/8" x 1-3/4" Cap Screw	0161088
15	5/16" x 1-1/2" Cap Screw	0161049
16	5/8" x 7" Cap Screw	0161104
17	1/2" x 4-1/2" Cap Screw	0161110
18	5/8" x 5-1/2" Cap Screw	0161105
19	5/16" Lock Washer	0141008
20	5/16" 18UNC Hex Nut, Stainless Steel	0131037
21	5/16" 24UNF Hex Nut, Stainless Steel	0131068

ITEM	DESCRIPTION	PART #
22	3/8" Flat Washer	0142031
23	Chain, 11 Links	0323065
24	Universal Linear Switch Box Mount	9332166
25	Skid Assembly	9332171
26	Clamp, 4" Wide Galvanized 6-5/8" Dia.	1700622
27	Guidance Tube (Single Tube)	9362553
28	Pivot Tube	1732361
29	Guidance Arm	9332164
30	Swivel Tube	1732369
31	Skid Mount Bar	9332167
32	Pivot Mount Bracket, Right Hand (Shown)	1780845
	Pivot Mount Bracket, Left Hand	1780844
33	Furrow Guidance Switch Box Assembly	1814132
34	5/16" Ball Joint Rod End	0992984
35	Guidance Link	9332163
36	Adjustment Rod	1731735
37	Roller Bushing	1800207
38	Stop Plate	9361293

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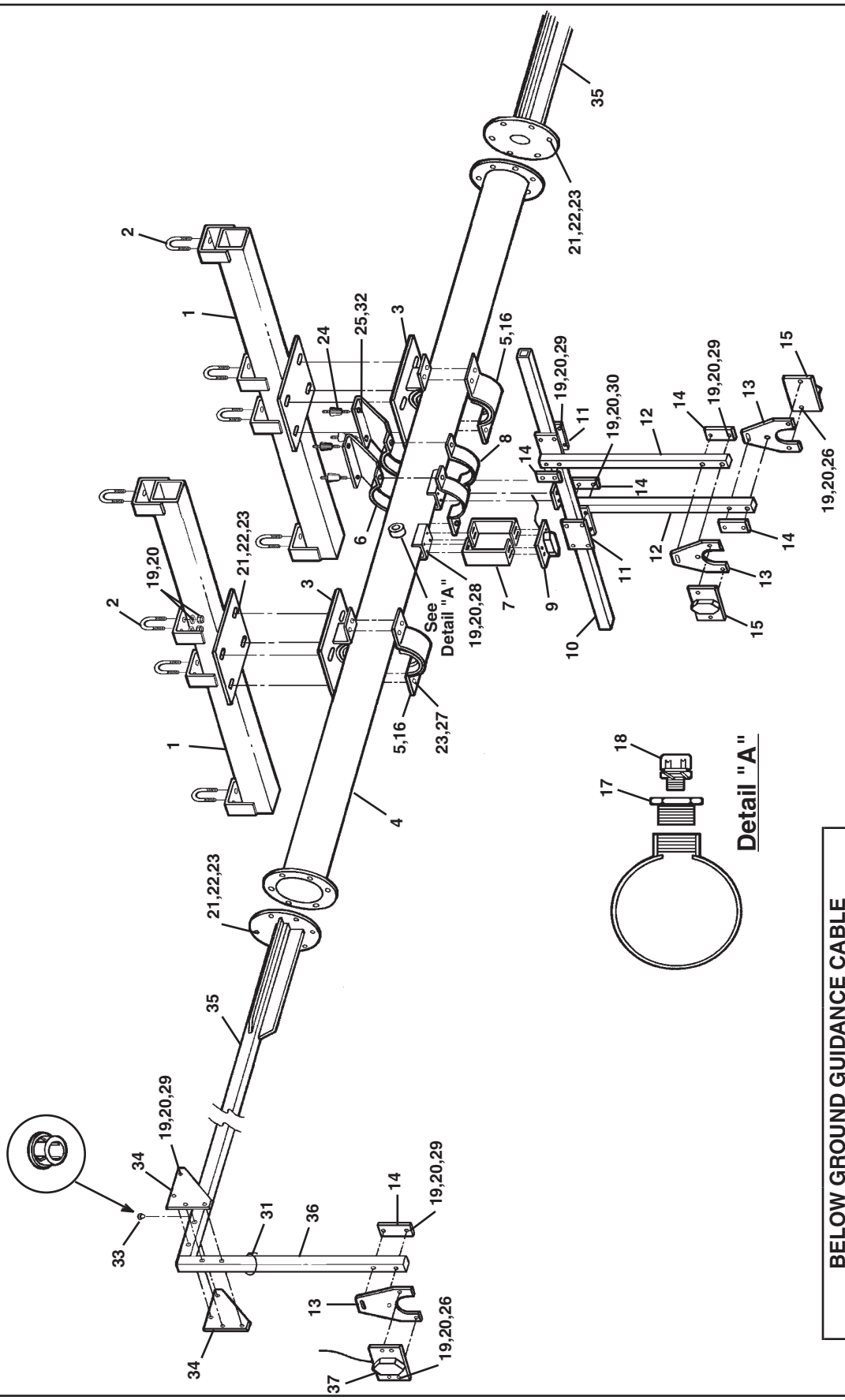


CAM STACK DETAIL

ITEM	DESCRIPTION	PART #
1	1/4" Hex Nut	0131020
2	3/8" Lock Nut	0133006
3	1/4" Lock Nut	0133008
4	#6 Hex Nut	0134027
5	13/32" Flat Washer	0141035
6	1/4" Flat Washer	0142022
7	Washer .030 x .510 x .968 - Stainless Steel	0143047
8	1/4" Belleville Washer - Stainless Steel	0143054
9	3/8" Belleville Washer - Stainless Steel	0143055
10	Washer .625 x .375 x .062 - Stainless Steel	0143059
11	Washer .625 x .375 x .125 - Stainless Steel	0143060
12	5/16" Washer - Hex Hole	0143062
13	Washer .010 x .512 x .996 - Stainless Steel	0143066
14	3/8" x 3/4" Cap Screw	0161046
15	1/4" x 3/4" Cap Screw	0161057
16	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
17	#6 x 2-1/4" Machine Screw - Round Head	0164090
18	Caplug 15X	0261010
19	Adjustable CAM	0314630
20	Ground Lug	0315120
21	Disconnect Switch	0315746

ITEM	DESCRIPTION	PART #
22	Hole Seal - 1" Hole	03E0175
23	Micro Switch - Minimum Travel	03E0307
24	Terminal Block	03E1899
25	Gasket Kit	0992071
26	Decal - Disconnect	0992090
27	Decal - Ground	0992925
28	Decal - UL Circuit Supply	0994147
29	Decal - Copper Wire ONLY	0994836
30	Decal - 3R Enclosure	0996403
31	Decal - Terminal Block Torque Copper Wire	0998450
32	Sensor Arm Washer	1701269
33	Sensor Insulator Base	1701632
34	Vertical Bracket	1702053
35	Sensor Bearing w/Bushing Assm.	1703336
36	Universal Linear Cam Shaft Assm.	1731734
37	Spacer	1760479
38	Tower Box Cover - UL	9311146
39	Universal Linear Mounting Plate	9332172
40	Universal Linear Box Bottom Plate	9332173
	COMPLETE Furrow Guidance Switch Box	1814132

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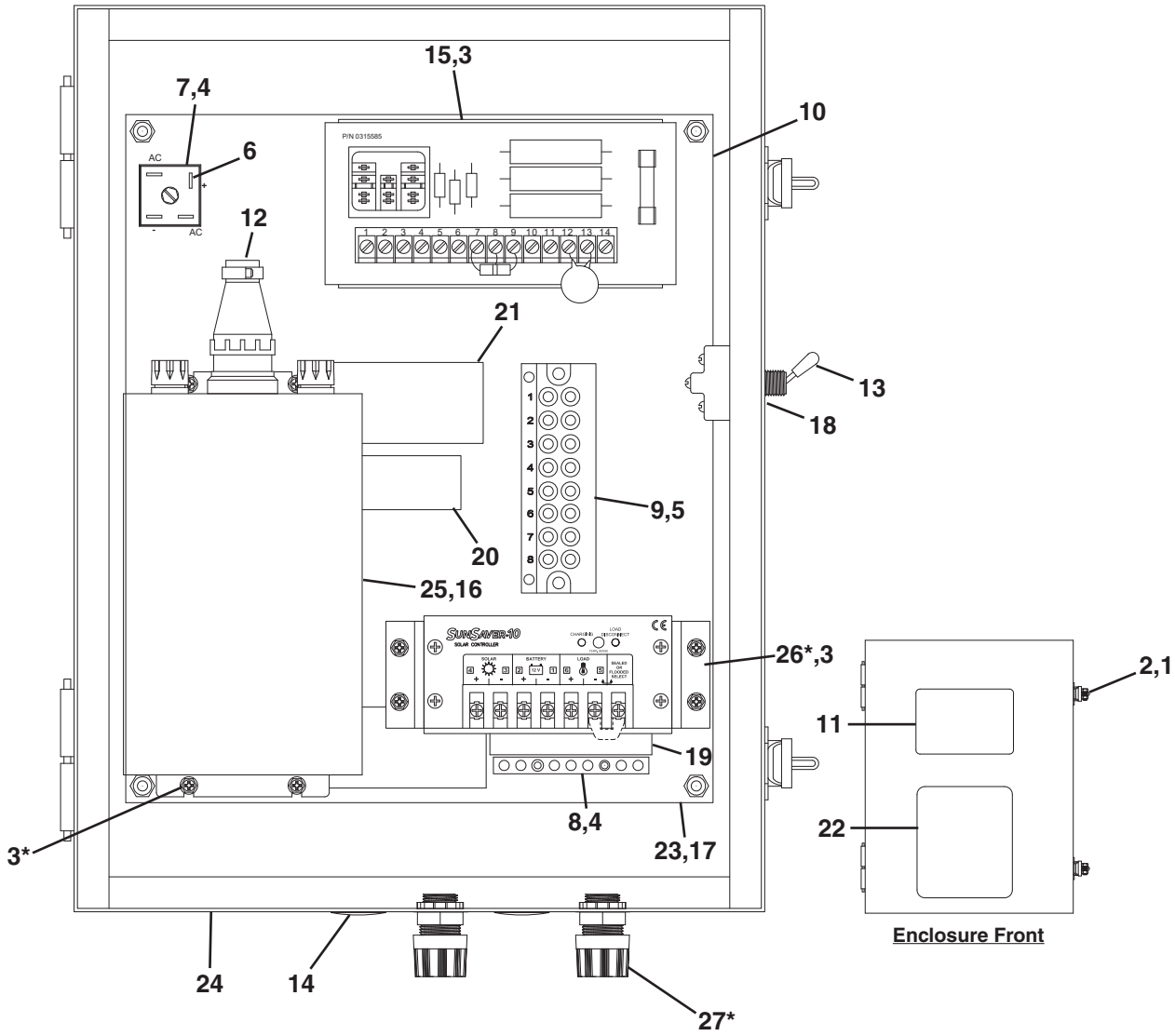
BELOW GROUND GUIDANCE CABLE		
Length	Shielded	Non-Shielded
5,000'	03E2661	03E2662
9,200'	0314964	0314730
11,000'	0314966	0314742
13,000'	0314968	0314786

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ITEM	DESCRIPTION	PART #
1	Truss Rod Mounting Bracket	1732159
2	3/8" x 1-3/4" U-Bolt	0176035
3	Antenna Tube Attach Bracket	1732164
4	Antenna Tube	1732165
5	6-5/8" Half Clamp - Galv.	1700622
6	Control Box Mount	1732171
7	Antenna Mounting Channel	1732189
8	6" Half Clamp - Galv.	1902010
9	833 Hz Antenna w/7' Lead	03E1844
	1000 Hz Antenna w/5' Lead	03M4707
	1200 Hz Antenna w/5' Lead	03M4962
10	Safety & Reference Antenna Assembly	1732160
11	Backing Plate	1732169
12	Safety Antenna Mount	1732170
13	Antenna Mount Bracket	1732163
14	Antenna Drop Strap	1732161
15	833 Hz Antenna w/7' Lead	03E3835
	1000 Hz Safety Antenna w/7' Lead	03E3829
	1200 Hz Safety Antenna w/7' Lead	03E3830
16	Clamp Spacer	1701025
17	2" x 1" Reducing Bushing	0244028
18	Strain Relief	0314466
19	3/8" Lock Nut	0133006
20	3/8" Flat Washer	0142031
21	1/2" x 1-1/2" Cap Screw	0161026
22	1/2" Flat Washer	0142026
23	1/2" Lock Nut	0133005
24	Rubber Mount	0992239
25	5/16" Hex Nut	0131019
26	3/8" x 1-1/4" Cap Screw	0161153
27	1/2" x 2" Cap Screw Full Thread	0161114
28	3/8" x 1" Cap Screw	0161045
29	3/8" x 3" Cap Screw	0161037
30	3/8" x 5" Cap Screw	0161035
31	11" Cable Tie - Black	0314834
32	5/16" Lock Washer	0141008
33	Snap-on Bushing	0992070
34	Antenna Tube Plate	1732167
35	Horizontal Antenna Tube	1732166
36	Antenna Tube	1732162
37	833 Hz Antenna w/30' Lead	03E3836
	1000 Hz Antenna w/30' Lead	03E3831
	1200 Hz Antenna w/30' Lead	03E3832

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Oscillator Enclosure - Below Ground Guidance

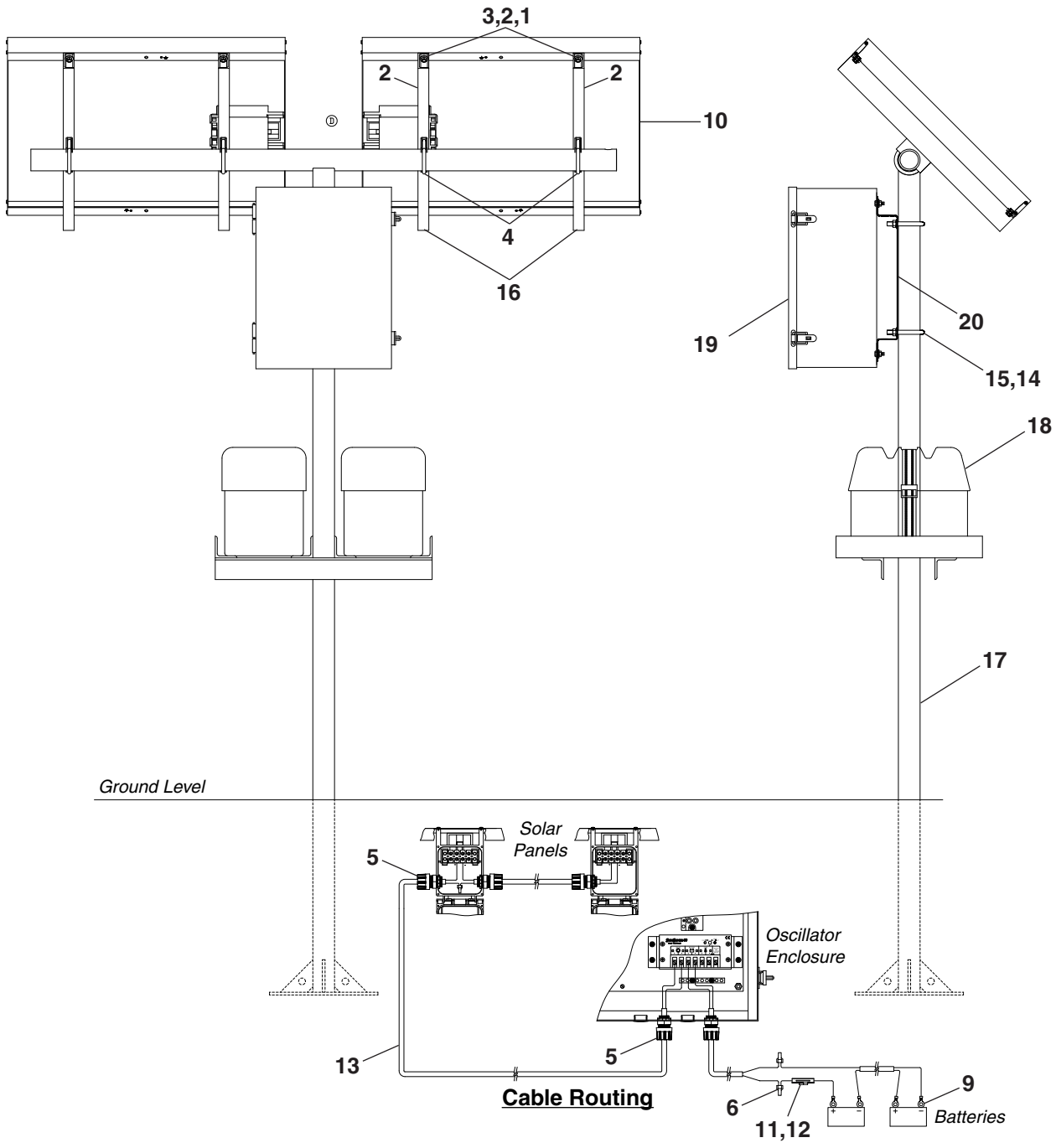


ITEM	DESCRIPTION	PART #
1	1/4" Hex Nut	0131020
2	1/4" x 1/2" Cap Screw	0161059
3	#8 x 1/2" Self Tapping Screw	0161355
4	#8 x 7/8" Self Tapping Screw	0161356
5	#8 x 1-1/4" Self Tapping Screw	0161357
6	Terminal - Female QC .250 Tab 14-16 AWG	0314566
7	Rectifier Bridge	0314894
8	Ground Lug	0315120
9	Terminal Strip	0315122
10	P.C.B. Expanded Oscillator Protection	0315585
11	Decal - Oscillator Box	0315690
12	Harness Assembly	0315726
13	Toggle Switch	0315734
14	Snap Button Hole Plug	03E2166
15	Snaptrack	0991587
16	Mounting Foot Kit (not shown)	0992697
17	Panel Mounting Kit	0992698
18	Decal - On / Off	0992704

ITEM	DESCRIPTION	PART #
19	Decal - Ground	0992925
20	Decal - UL Circuit Supply 120 Volt 5 Amp	0994147
21	Decal - Terminal Block Torque Copper Wire	0998450
22	Decal - Danger High Voltage/Arc Flash Warning	0999122
23	Mounting Panel	1731046
24	Oscillator Enclosure	1732203
25	1000 Hz Power Oscillator	03E2245
	1200 Hz Power Oscillator	03E2246
26	Solar Regulator w/ Load Disconnect - 24V	03E2586 *
	Solar Regulator w/ Load Disconnect - 12V	03E4460 *
27	Strain Relief Hub	0314119 *
	Oscillator Enclosure Assm. (Does not include Oscillator)	1811730
	* Solar Powered Oscillator Hardware Kit (See following page for remainder of kit contents)	KA00915

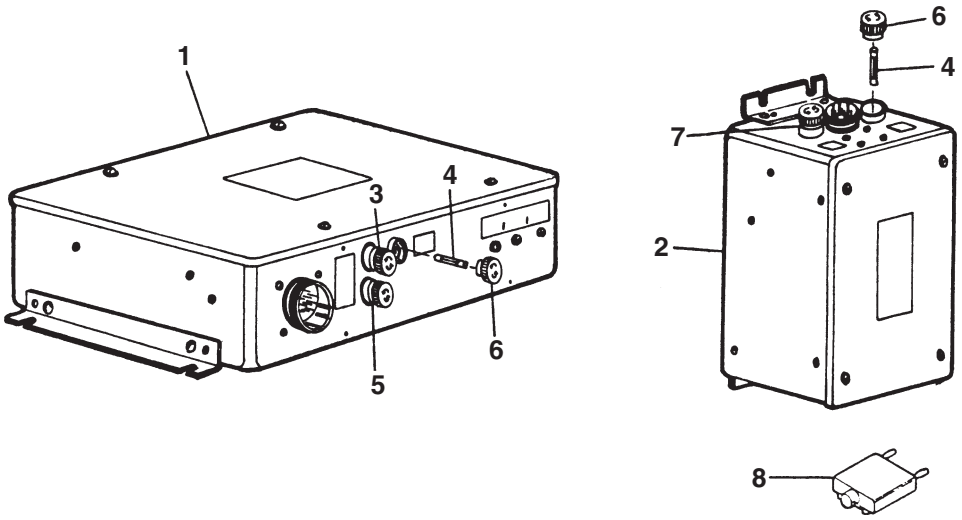
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Solar Powered Oscillator Pedestal



ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	1/4" Hex Nut	0131020 *	13	Electrical Cable - 3 Cond. 14 Ga.	9312308 *
2	1/4" Flat Washer	0142022 *	14	3/8" Hex Nut	0134055
3	1/4" x 3/4" Cap Screw	0161057 *	15	3/8" U-Bolt	0176053
4	2" Muffler Clamp - Full Circle	0271070 *	16	Mount Channel	1703671
5	Strain Relief Hub	0314119 *	17	Pedastal Assm.	1703488
6	Scotchlok Connector	0314151 *	18	Battery Case (Batteries not Incl.)	03E0391
7	Tyton Ty Wrap (not shown)	0314225 *	19	Oscillator Enclosure Assm.	1811730
8	Strain Relief Bushing - Nylon (not shown)	0315480 *		(See previous page for contents)	
9	Terminal Ring	03E0393 *	20	Pedestal Mount Bracket	9364988
10	Solar Panel	03E1813 *			
11	Fuse - 10 Amp 250 V	03E1950 *		* Solar Powered Oscillator Hardware Kit	KA00915
12	In-Line Fuseholder	03E2451 *			

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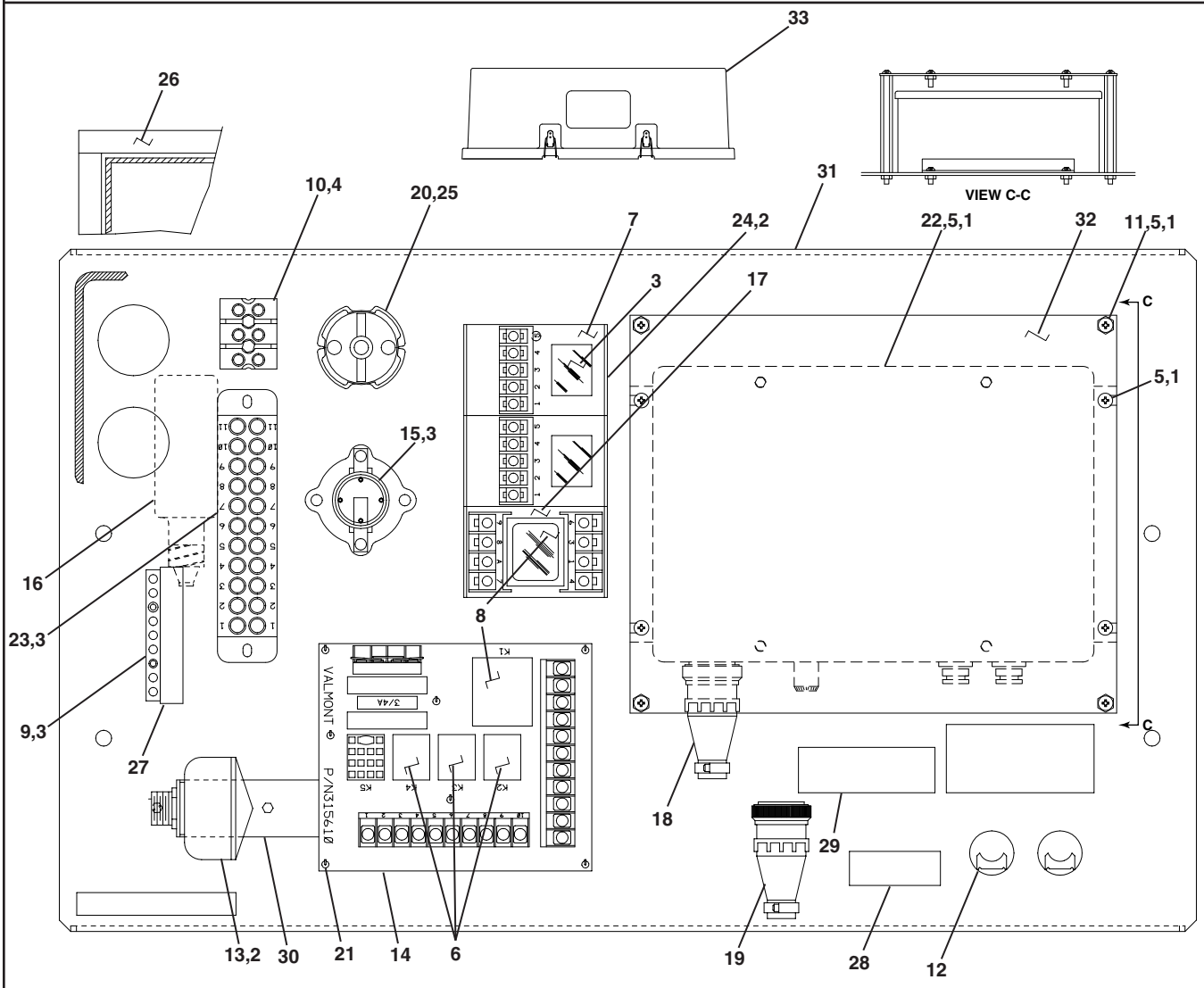


ITEM	DESCRIPTION	PART #
1	Valmont Guidance Receiver (New)	03E1501
	*Rebuilt Guidance Control	03E1546
2	833 Hz Oscillator (New)	03E1845
	*Rebuilt 833 Hz Oscillator	03E1847
	1000 Hz Oscillator (New)	03E1502
	*Rebuilt 1000 Hz Oscillator	03E1543
	1200 Hz Oscillator (New)	03E1503
	*Rebuilt 1200 Hz Oscillator	03E1544
3	3/8 Amp Fuse	0315017
4	3/4 Amp Fuse	0315019
5	5 Amp Fuse	0314859
6	Fuse Holder - OBSOLETE Jun 2016	03M5018
7	1/2 Amp Fuse	0315180
8	Dummy Load Adapter	0992549
	Antenna Attenuator Resistor to Reduce Signal	1812223
	Oscillator Installation Kit	931K007

NOTE: Installation Kit required to install Oscillators in Pivot Control Panel

*Subject to Availability

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ITEM	DESCRIPTION	PART #
1	#8 Hex Nut	0134023
2	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
3	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
4	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
5	#8 x 1/2" Screw - Round Head	0164042
6	Relay - P&B #KHU17A12-120V	0314610
7	PCB Isolation Relay Board	0314830
8	Relay - P&B #KUP14A15-120V AC	0314936
9	Ground Lug	0315120
10	Terminal Strip - 3 Terminal	0315121
11	Male - Female Standoff 3/8"	0315304
12	Strain Relief Bushing	0315480
13	Lightning Arrestor - Hunt #HE500S	0315605
14	PCB Receiver Protection Assembly	0315610
15	Backlite Socket Base	0315619
16	Space Heater	0315620
17	PCB Relay Socket R.D. 8BS	0315688
18	Wiring Harness Phase Safety	0315694
19	Wiring Harness Linear Span	0315721
20	Power Disconnect	0315746
21	Spacer - Snap-In	03E0412
22	Recvr. Phase Safey	03E1547

ITEM	DESCRIPTION	PART #
23	Terminal Strip - 11 Terminal	03E1899
24	Snaptrack Mounting Channel 6"	0991587
25	Decal - Disconnect - Tower Box	0992090
26	Gasket - Long Tower Box	0992691
27	Decal - Ground	0992925
28	Decal - UL Power Supply	0994149
29	Decal - Terminal Torque	0998450
30	Electronic Lightning Arrestor Brack	1702384
31	Bottom Plate	1732187
32	Mounting Plate	1732188
33	Span Tower Box Cover Assm.	1750812*
	Decal - Linear Span Tower Box Wiring Schem. (Decal not shown, is shipped w/Box Assm. and field installed)	0999402
	Linear Span Tower Box Assm	1811711

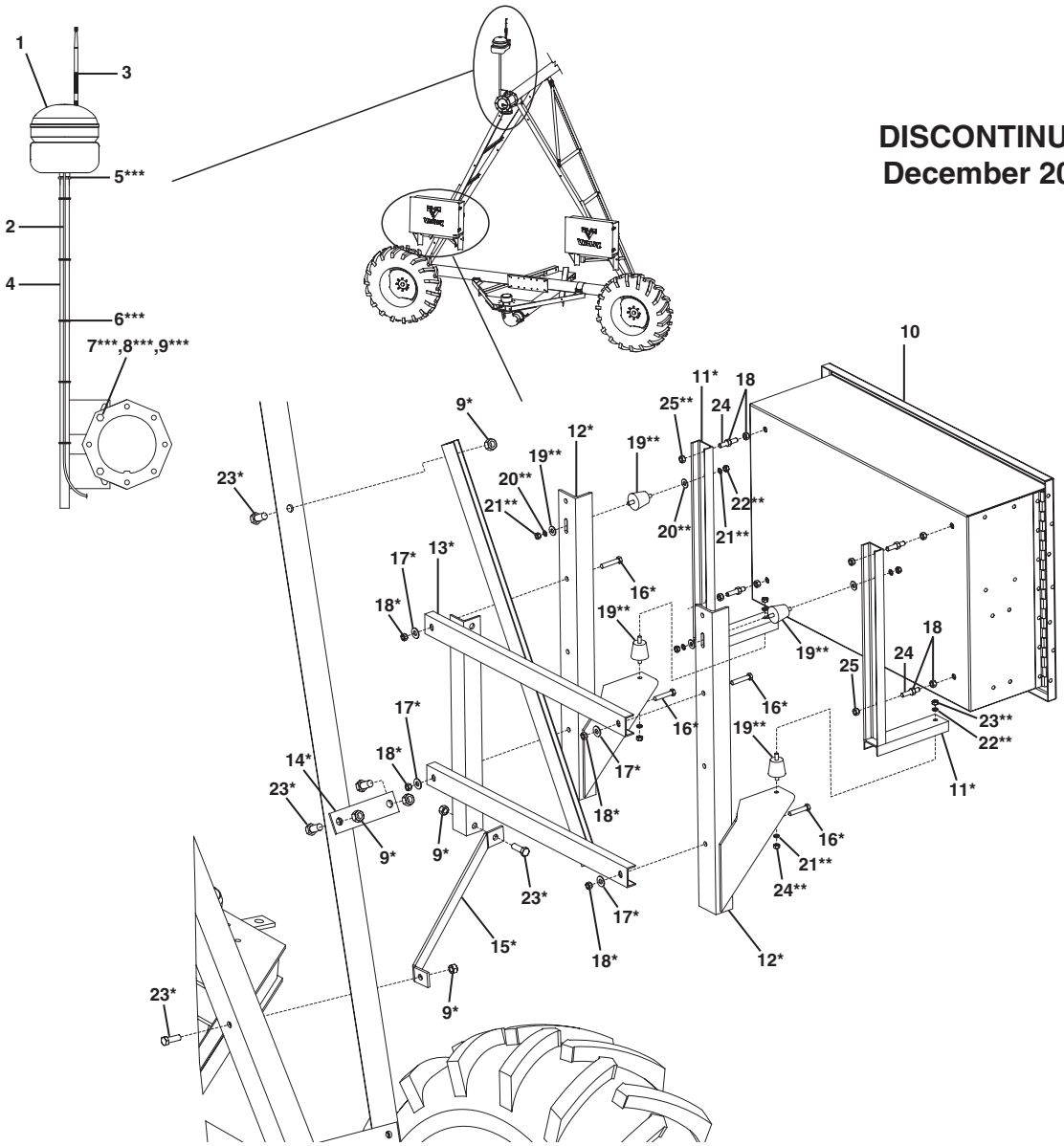
*** Item 2 (1750812) not included in Linear Span Tower Box Assm.**

NOTE: 03E1501 Guidance Receiver (1000 Hz) is used in box 1811711. Receiver needs to be ordered separately and is field installed.

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Functional Area	Assembly / Part	Rev# 02-19
Guidance	SF 3000 GPS Guidance Recvr. & Control Panel Mount.	

DISCONTINUED
December 2012



ITEM	DESCRIPTION	PART #
1	GPS Guidance Receiver (OBSOLETE)	03E2804
****	GPS Guidance Receiver - SF 3000, 900 MHz	03E3138
2	Serial Cable - Starfire 3000 (OBSOLETE Sep 17)	03E3145
3	Antenna - 1 Watt Rubber (OBSOLETE Sep 17)	03E2857
4	Short Antenna Mount - Threaded	9363972
5	3/4" Romax Lock Nut	0315132
6	Wire Tie - Black	03E2004
7	1/2" x 2-1/2" Cap Screw	0161023
8	1/2" Flat Washer	0142025
9	1/2" Lock Nut	0133005
10	SFGPS Guidance Control Panel	9311740
11	Pivot Box Mount Assm.	1781675
12	EZ Tow Control Box Mount Bracket Assm.	9360358
13	EZ Tow Pivot Box Mount Assm	9360303
14	Mounting Frame Flat	9363602
15	Main Panel Brace	9361518
16	3/8" x 1-3/4" Cap Screw	0161041
17	3/8" Flat Washer	0142031

ITEM	DESCRIPTION	PART #
18	3/8" Hex Nut	0133006
19	Rubber Mount	0992239
20	5/16" Flat Washer	0142017
21	5/16" Lock Washer	0141008
22	5/16" Hex Nut	0131019
23	1/2" x 1-1/4" Cap Screw	0161027
24	3/8" x 2" Threaded Rod - Stainless Steel	0994523
25	3/8" Lock Nut	0131018

*2 Wheel Lin. Guidance Panel Mount. Hdwre. Kit .. KA01409
(includes Male to Female Connector - 03E2444,
Female to Female Modem Connector - 03E2810 &
Harness w/Remote Conduit - 9311676 (not shown))

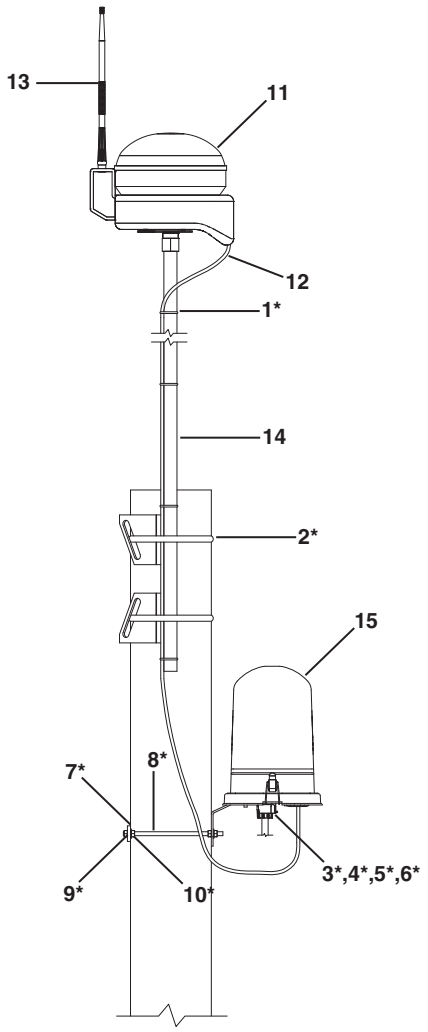
** EZ Tow Control Panel Mount Hardware Kit KA01235

*** SF 3000 Linear Mounting Hardware Kit KA01407
(the above kit OBSOLETE Sep 17)

**** NOTE: GPS Receiver 03E3138 is replacement for OBSOLETED Receiver 03E2804.

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DISCONTINUED
December 2012

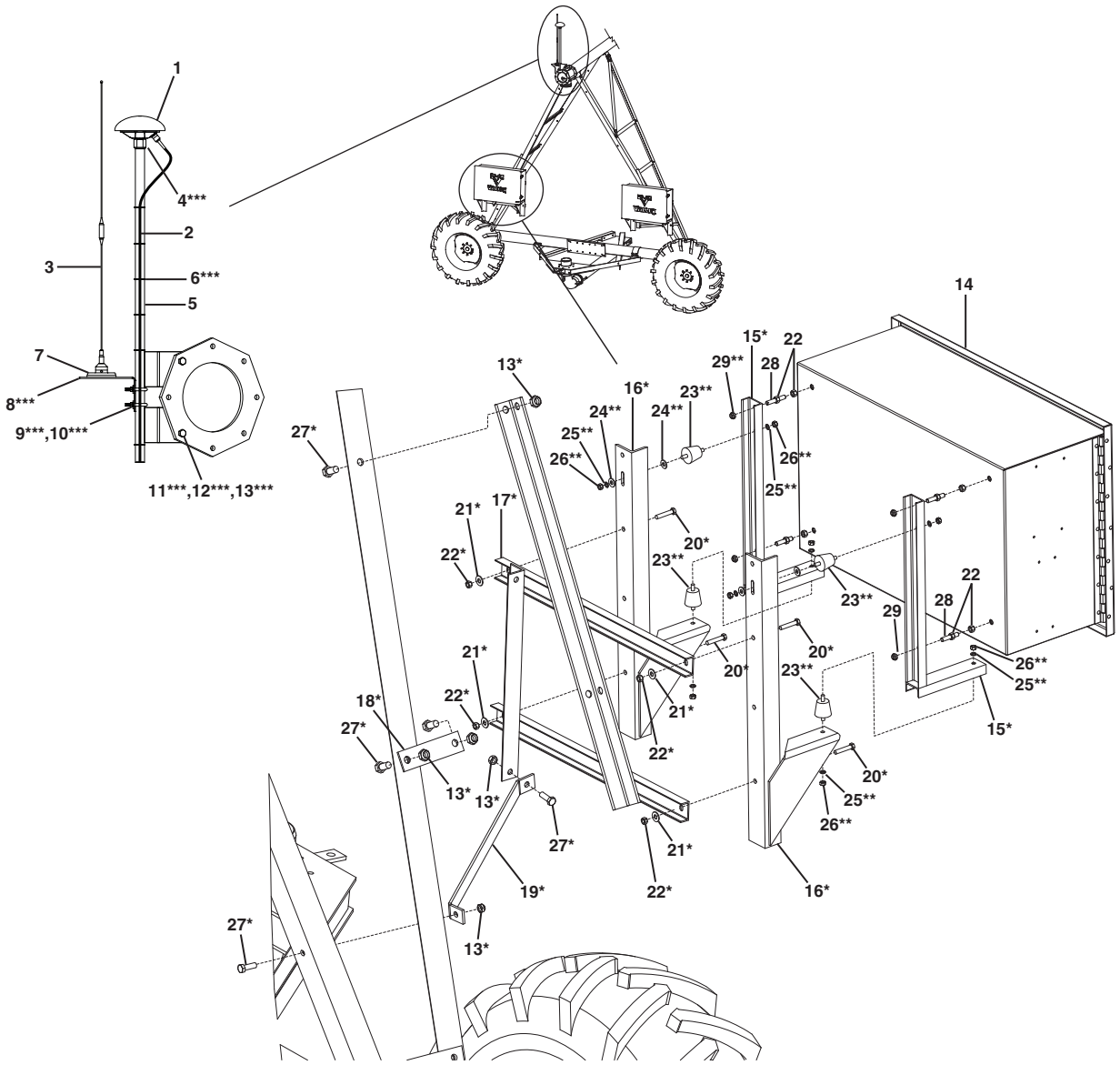


ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
9	5/16" Hex Nut	0131037
10	1/4" Flat Washer - Wide	0142022
11	GPS Guidance Receiver - OBSOLETE	03E2804
**	GPS Guidance Receiver - SF 3000, 900 MHz	03E3138
12	Serial Cable - Starfire 3000 (OBSOLETE Sep 17)	03E3145
13	Antenna - 1 Watt Rubber (OBSOLETE Sep 17)	03E2857
14	Running Light Bracket Assm.	1781544
15	GPS Guidance Reference Station	1814762

* Reference Station Mounting Hardware. Kit KA01402
(the above kit OBSOLETE Sep 17)

** NOTE: GPS Receiver 03E3138 is replacement for OBSOLETED Receiver 03E2804.

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ITEM	DESCRIPTION	PART #
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	GNSS Antenna Cable	03E3522
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	GPS Antenna Mount	9363922
5	Short Antenna Mount - Threaded	9363972
6	Wire Tie - Black	03E2004
7	Antenna Mount - Magnetic	03E3521
8	Magnetic Mount Antenna Bracket	9311890
9	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064
10	5/16" Flat Washer	0142017
11	1/2" x 2-1/2" Cap Screw	0161023
12	1/2" Flat Washer	0142025
13	1/2" Lock Nut	0133005
14	SFGPS Guidance Control Panel	9311740
15	Pivot Box Mount Assm	1781675
16	EZ Tow Control Box Mount Bracket Assm.	9360358
17	EZ Tow Pivot Box Mount Assm	9363772
18	Mounting Frame Flat	9363602
19	Main Panel Brace	9361518

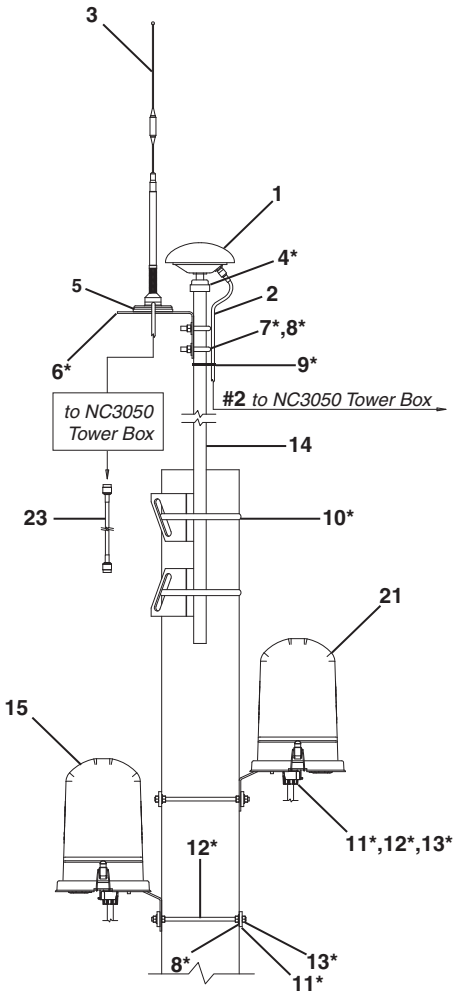
ITEM	DESCRIPTION	PART #
20	3/8" x 1-3/4" Cap Screw	0161041
21	3/8" Flat Washer	0142031
22	3/8" Hex Nut	0133006
23	Rubber Mount	0992239
24	5/16" Flat Washer	0142017
25	5/16" Lock Washer	0141008
26	5/16" Hex Nut	0131019
27	1/2" x 1-1/4" Cap Screw	0161027
28	3/8" x 2" Threaded Rod - Stainless Steel	0994523
29	3/8" Lock Nut	0131018

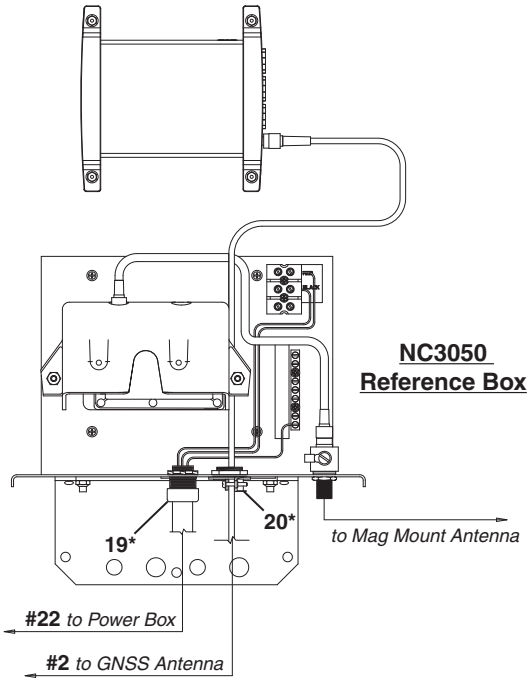
* 2 Wheel Lin. Guidance Panel Mount. Hdwre. Kit..... KA01409
(includes Male to Female Connector - 03E2444, Female to Female Modem Connector - 03E2810 & Harness w/Remote Conduit - 9311676 (not shown))

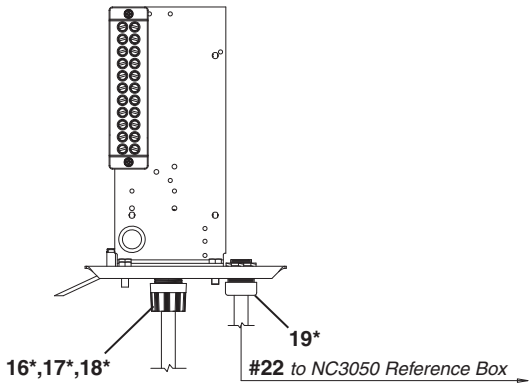
** EZ Tow Control Panel Mount Hardware Kit KA01235

*** NC3050 Linear Mounting Hardware Kit KA01407
(the above kit OBSOLETE Sep 17)
Magnetic Mount & 5db Omni Antenna Kit..... KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

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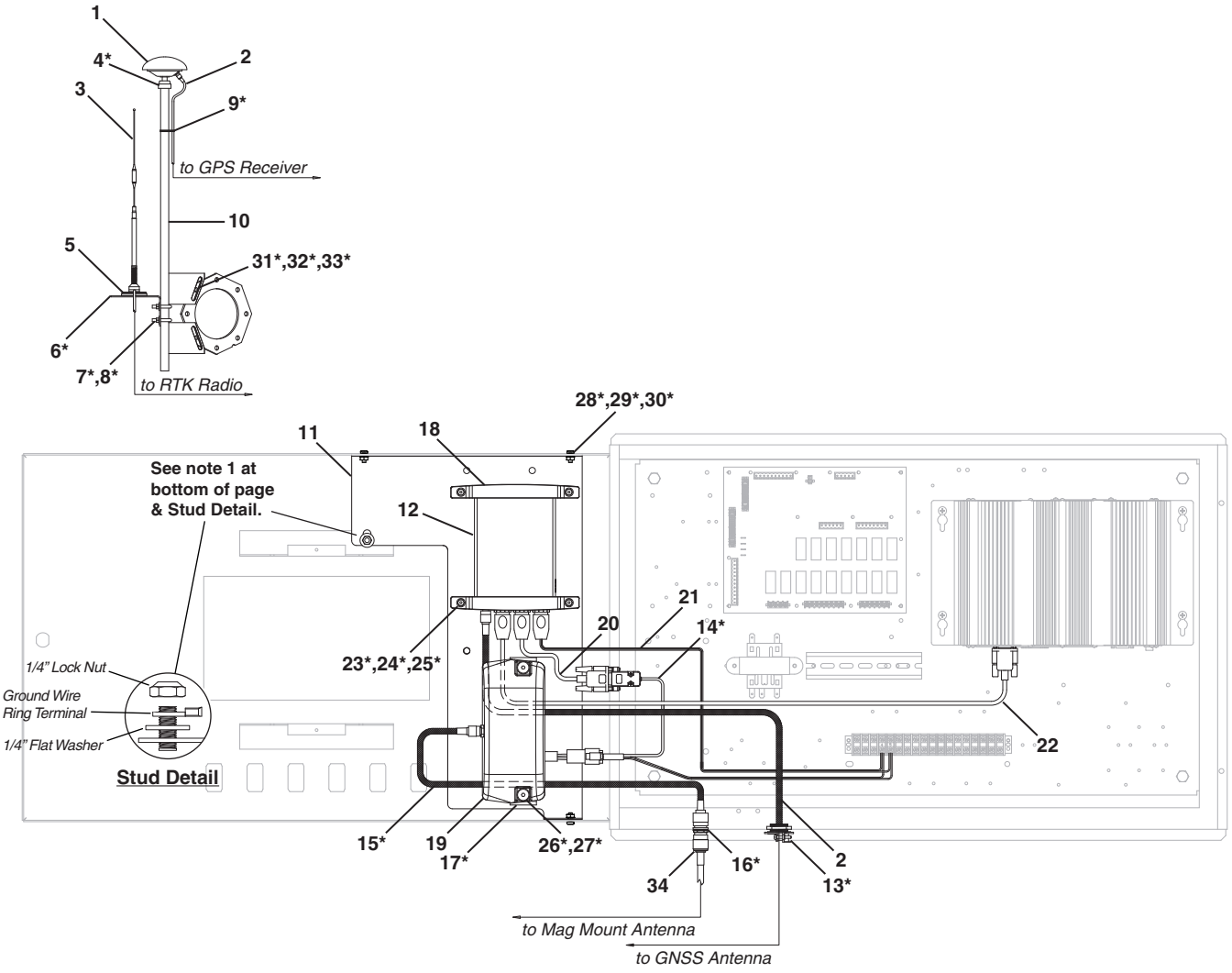
Power Supply Box

ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	GNSS Antenna Cable	03E3522
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	GPS Antenna Mount	9363922
5	Antenna Mount - Magnetic	03E3521
6	Magnetic Mount Antenna Bracket	9311890
7	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064
8	5/16" Flat Washer - Wide	0142017
9	Wire Tie - Black	03E2004
10	Clamp - 42"	0271051
11	Reference Station Mounting Bracket	9363561
12	5/16" Threaded Adjustment Rod	1731232
13	5/16" Hex Nut	0131037
14	Running Light Bracket Assm.	1781544
15	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
16	Strain Relief Hub - .50"	0314119
17	Scotchlok Connector	0314151
18	3/4" Lock Nut - Romax	0315132
19	Strain Relief Connector	0315502
20	3/4" Romax Cable Connector	03E3163
21	NC3050 Tower Box - 400 MHz	1815121
	- 900 MHz	1815120
22	Power Cable - 3 Cond. 14 Ga. - 10' Long	1813424
23	Cable - SP-TNC Manel to SP-TNC Female - 15'	03E3126

* NC3050 Ref. Station Mounting Hardware. Kit KA01402
(the above kit OBSOLETE Sep 17)
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Item 23 (Extension Cable) used as required.

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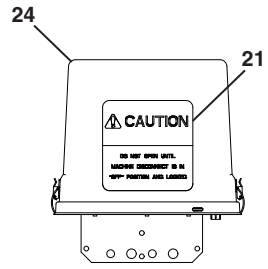
ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	Coaxial Cable - Male to 90° Male	03E3114
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	GPS Antenna Mount	9363922
5	Antenna Mount - Magnetic	03E3521
6	Magnetic Mount Antenna Bracket	9311890
7	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064
8	5/16" Flat Washer	0142017
9	Wire Tie - Black	03E2004
10	Short Antenna Mount - Threaded	9363972
11	Panel Door Bracket	9311874
12	NC3050 Receiver - Programmed	03E3526
13	3/4" Romax Cable Connector	03E3163
14	RTK Correction Radio Harness	03E3530
15	Antenna Jumper - N Male to SP-TNC Male	03E3539
16	Bulkhead - N-Female	0997247
17	Radio Mounting Bracket	9312056
18	NC3050 Mounting Bracket	03E3524
19	RTK Radio - 400MHz	03E3239
	- 900MHz	03E3238
20	9-Pin Male to USB & DB9 Female - Y-Cable	03E3523
21	9-Pin Female Power Cable	03E3529

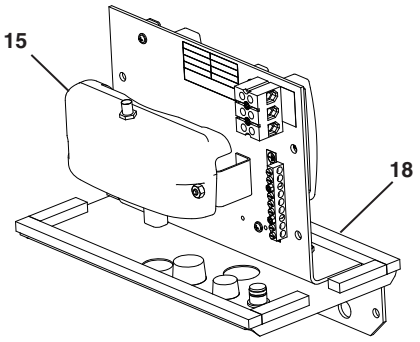
ITEM	DESCRIPTION	PART#
22	9-Pin Male to RJ45 & DB9 Female - Y-Cable	03E3525
23	#6 x 3/4" Screw - Phillips	0164230
24	#6 Flat Washer	0142074
25	#6 Nut	0134027
26	1/4" x 20mm 2A Flat Screw - Allen Socket	0164234
27	1/4" 2B Hex Nut	0131020
28	#8 x 3/8" Machine Screw 2A	0164110
29	#8 Flat Washer - Stainless Steel	0142084
30	#8 Hex Nut w/External Tooth Lock Washer	0134059
31	1/2" x 2-1/2" Cap Screw	0161023
32	1/2" Flat Washer	0142025
33	1/2" Lock Nut	0133005
34	Cable - N Male to N Female 15' Foot Long	03E3126

* NC3050 Linear Mounting Hardware Kit KA01407
(the above kit OBSOLETE Sep 17)
Magnetic Mount & 5db Omni Antenna Kit..... KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

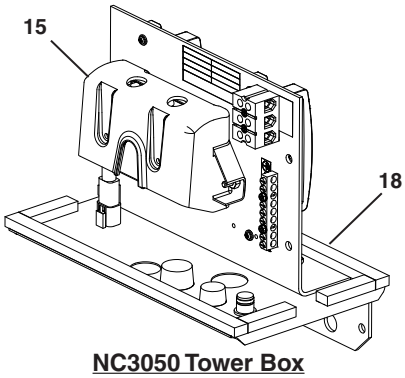
[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/ new 1/4" Lock Nut - 0133008 & 1/4" Flat Washer - 0142022.

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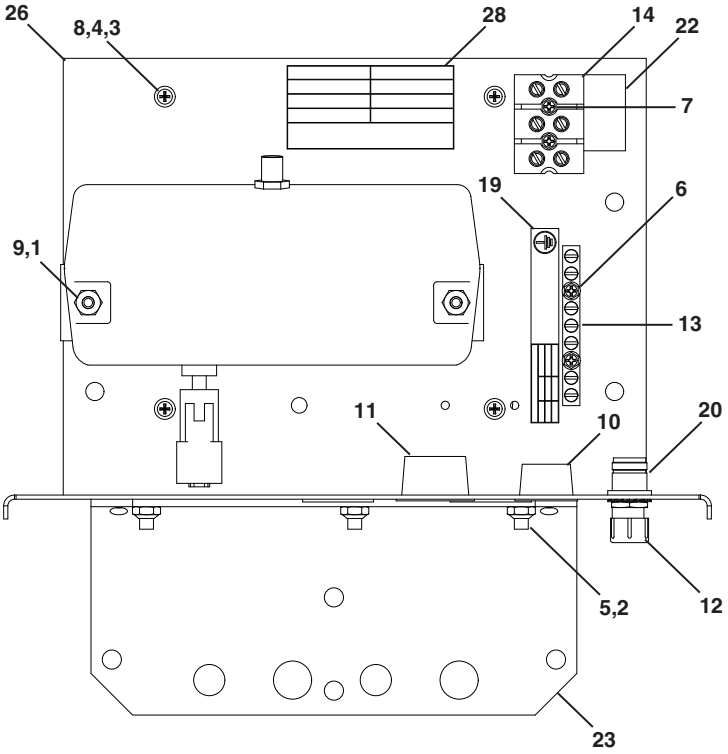


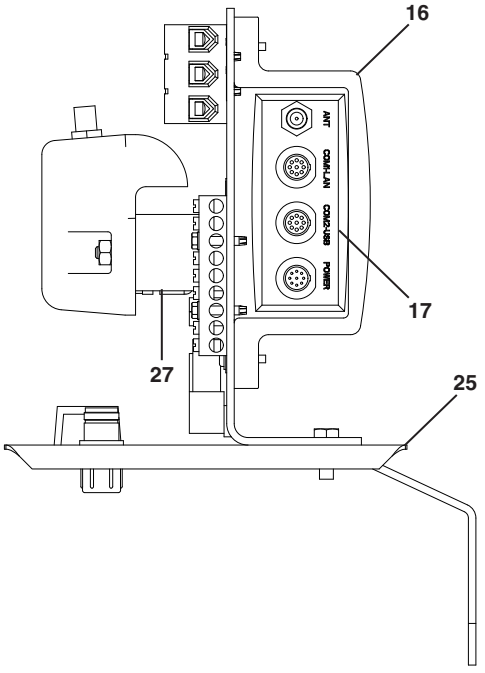


NC3050 Tower Box
400 MHz



NC3050 Tower Box
900 MHz

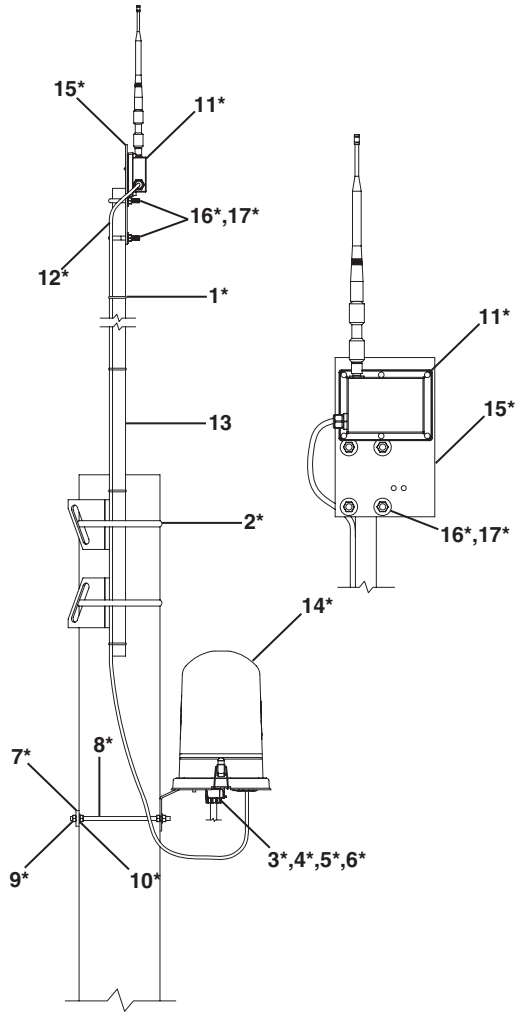




ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	1/4" Lock Nut	0133008
3	#6 Hex Nut	0134027
4	#6 Flat Washer	0142074
5	1/4" x 3/4" Cap Screw	0161057
6	#8 x 7/8" Screw - Phillips Head Self-Tapping	0161356
7	#8 x 1-1/4 ST Cap Screw - Phillips Head Self-Tap	0161357
8	#6 x 3/4" Screw - Phillips Head	0164230
9	1/4" x 20mm 2A Flat Screw - Allen Socket	0164234
10	12 Caplug - 3/4" NPT	0261008
11	#14 Caplug - Red	0261012
12	5/8"-24 Thread Caplug	0261057
13	Ground Lug - 7 Terminal	0315120
14	Terminal Strip - 3 Terminal	0315121
15	RTK Radio - 400 MHz (OBSOLETE Sep 17)	03E3239
	- 900 MHz (OBSOLETE Sep 17)	03E3238
16	NC3050 Receiver Mounting Bracket (OBS. Sep 17)	03E3524

ITEM	DESCRIPTION	PART#
17	NC3050 Receiver - Programmed (OBS. Sep 17)	03E3526
18	Tower Box Gasket Kit	0992071
19	Decal - Ground	0992925
20	N-Female Bulkhead	0997247
21	Decal - Caution Disconnect Off and Locked	0998331
22	Decal - Trimble Power	0998337
23	Tower Box Mounting Plate	1702054
24	Electrical Tower Box Cover - UL	9311146
25	Radio Box Bottom Plate	9311884
26	Tower Box Vertical Plate	9311889
27	Radio Mounting Bracket	9312056
28	Decal - Terminal Block Torque Copper Wire	0998450
	NavCom3050 Tower Box Assm. - 400 MHz	1815121
	- 900 MHz	1815120
	(both above assemblies OBSOLETED Sep 17)	

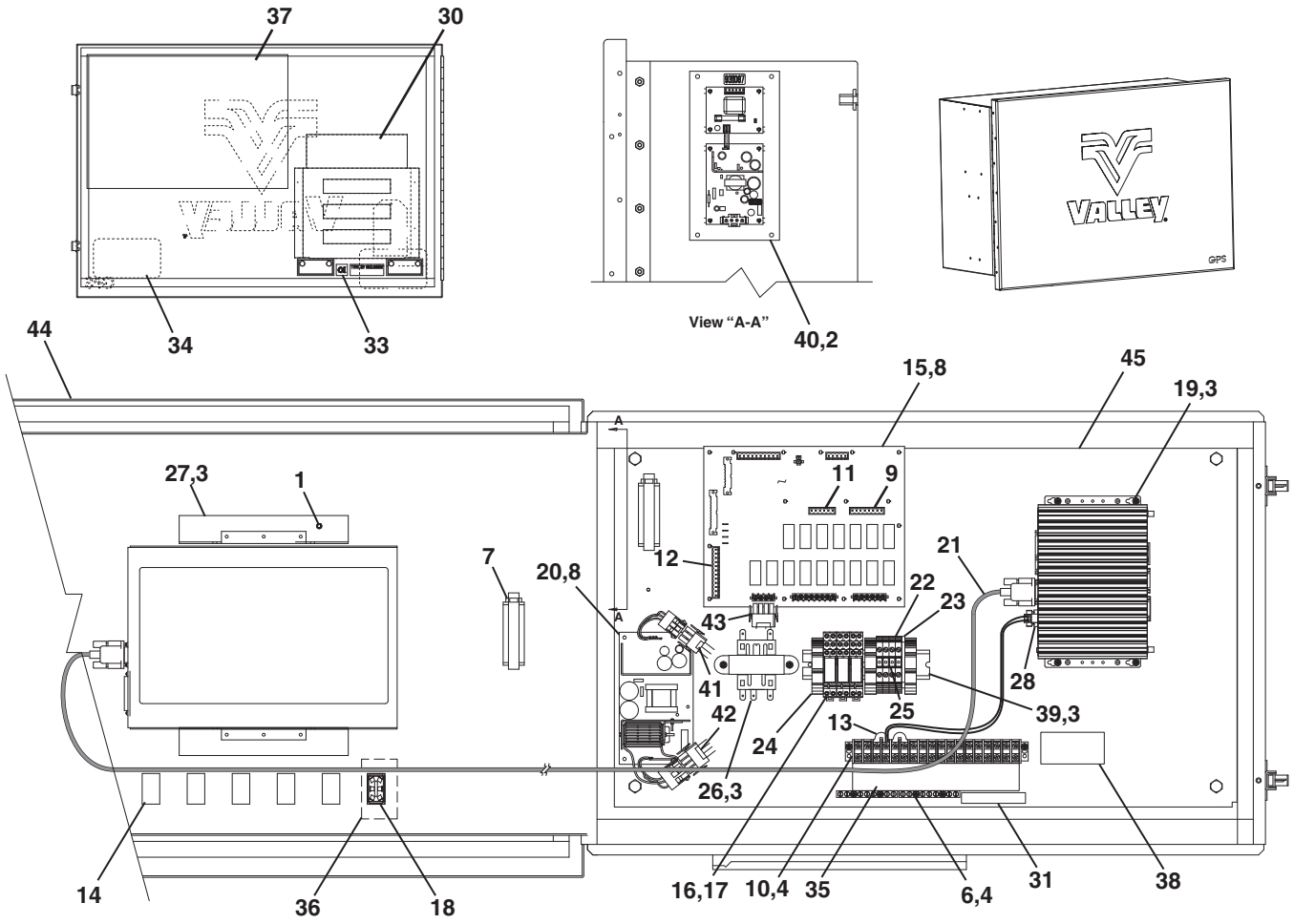
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ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
9	5/16" Hex Nut	0131037
10	1/4" Flat Washer - Wide	0142022
11	GPS Guid. 900 MHz Rep. Radio w/Ant. (OBS. Sep 17)	03E2870
12	Radio Cable (OBSOLETE Sep 17)	03E2859
13	Running Light Bracket Assm.	1781544
14	Power Box -	1814762
15	Mounting Plate	9311129
16	5/16" U-Bolt w/Hex Nuts (2 ea.)	0176064
17	5/16" Flat Washer - Wide	0142017

* Repeater Mounting Hardware Kit (OBS. Sep 17) KA01404

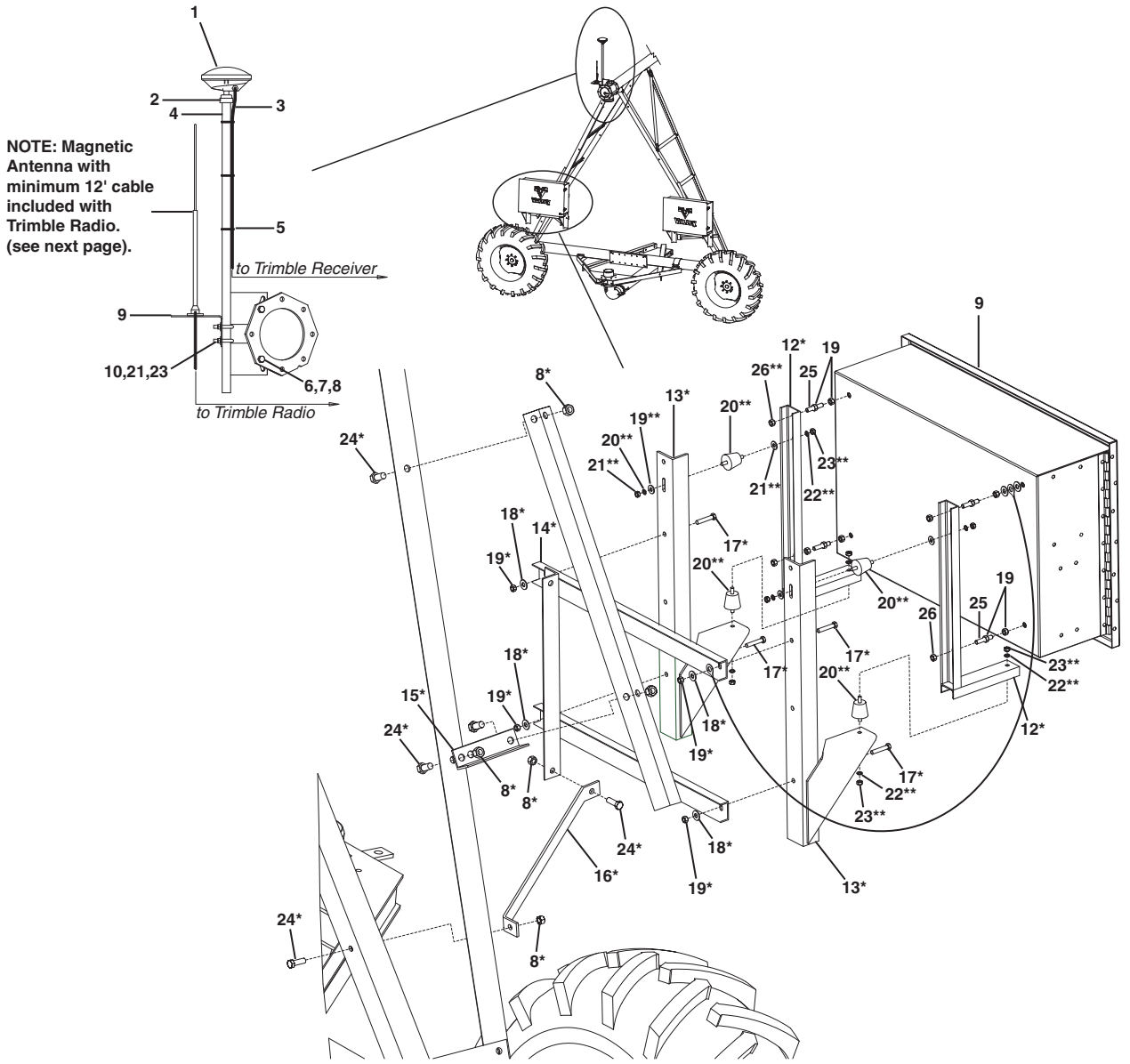
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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	Tyton Ty Wrap - Black (not shown)	0314225
6	Ground Lug	0315120
7	Ribbon Cable Clamp	0315840
8	Snap-in Spacer	03E0412
9	Terminal Strip - 8 Pole	03E0496
10	Terminal Strip - 18 Pole	03E1561
11	Terminal Strip - 6 Pole	03E1611
12	Terminal Strip Plug - 12 Pole	03E1612
13	Jumper	03E1644
14	Dummy Rocker Switch Mount	03E1719
15	Select/Pro Relay Board plus I/O	03E2211
16	Relay - 120 VAC 5A DPDT	03E2230
17	Relay Socket	03E2231
18	Rocker Switch	03E2757
19	GPS Guidance Computer	03E4333
	GPS Guidance Computer - DISCONTINUED Dec 17	03E2802
	Compact Flash Memory Card - Programmed	9313004
20	Power Supply - 12 V	03E2809
21	Null Modem Cable DB9 Male - DB9 Fem. - 6' Long	03E2814
22	Dinrail Terminal Block	03E2994
23	Terminal Block End Cover	03E2995

ITEM	DESCRIPTION	PART #
24	End Bracket	03E2996
25	Terminal Block Jumper - 4 Pole	03E2999
26	Transformer - 75 VA 120 VAC Class 2	03E3098
27	GPS Guidance GGA Plus Module	03E3516
28	Terminal Strip Plug - 2 Pole	03E4138
29	Cabinet Lock (not shown)	0991370
30	Accident Prevention Tag	0992009
31	Decal - Ground	0992925
32	Wire Tie Holder - Nylon (not shown)	0994494
33	Decal - "CE" European Communities	0994639
34	Decal - Warning - Water Entry Prevention	0996074
35	Decal - Terminal Strip - 18 Pole	0997857
36	Decal - Guidance Override	0998149
37	Decal - Schematic - GPS Guidance Control Panel	0998153
38	Decal - Terminal Block Torque	0998450
39	Din Rail - 6" Long	9310608
40	Pro2 Backlight Dual Power Supply	9311087
41	Power Harness Assm. - 3 Pin 3 Wire	9311720
42	Power Harness Assm. - 4 Pin 4 Wire	9311721
43	GPS Power Harness Assm. - 4 Pin 3 Wire	9311722
44	GPS Box and Doors Assm	9311739
45	GPS Guidance Backpanel	9312019
	COMPLETE SFGPS Guidance Control Panel	9311740

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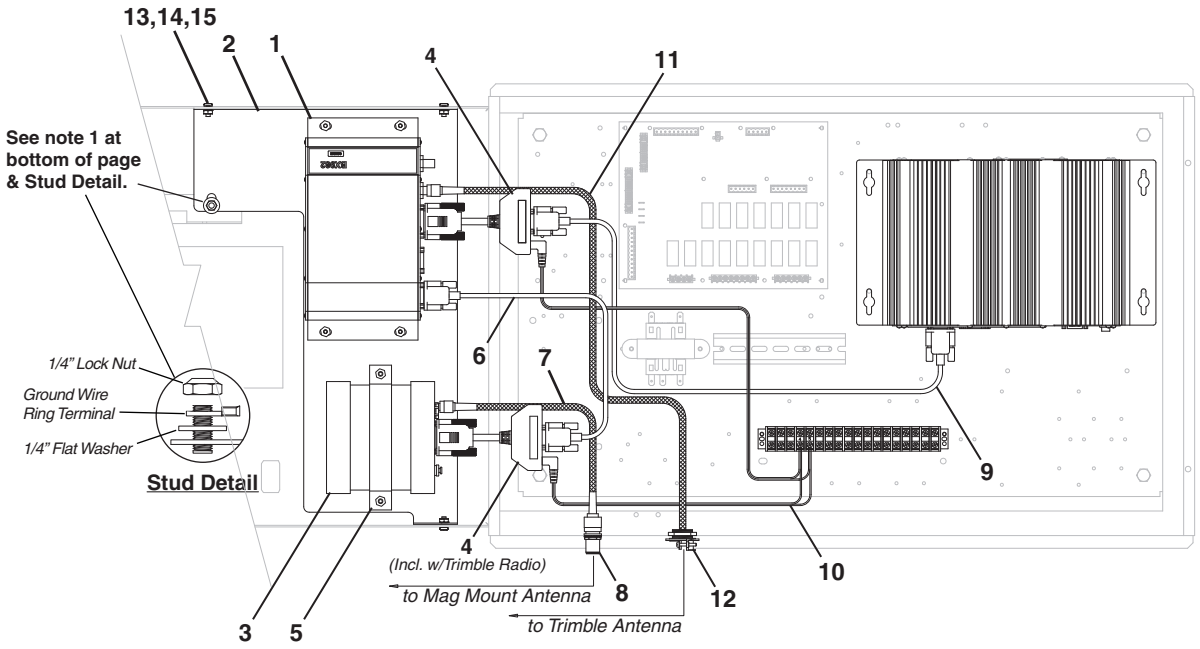
ITEM	DESCRIPTION	PART #
1	Trimble Antenna	03E3113
2	GPS Antenna Mount	9363922
3	Coaxial Cable - 28'	03E3114
4	Short Antenna Mount - Threaded	9363972
5	Wire Tie - Black	03E2004
6	1/2" x 2-1/2" Cap Screw	0161023
7	1/2" Flat Washer	0142025
8	1/2" Lock Nut	0133005
9	Magnetic Mount Bracket	9311890
10	5/16" x 1-3/8" U-Bolt	0176064
11	SFGPS Guidance Control Panel	9311740
12	Pivot Box Mount Assm.	1781675
13	EZ Tow Control Box Mount Bracket Assm.	9360358
14	EZ Tow Pivot Box Mount Assm. - Left	9363772
15	Mounting Frame Angle	9360305
16	Main Panel Brace	9361518

ITEM	DESCRIPTION	PART #
17	3/8" x 1-3/4" Cap Screw	0161041
18	3/8" Flat Washer	0142031
19	3/8" Hex Nut	0133006
20	Rubber Mount	0992239
21	5/16" Flat Washer	0142017
22	5/16" Lock Washer	0141008
23	5/16" Hex Nut	0131019
24	1/2" x 1-1/4" Cap Screw	0161027
25	3/8" x 2" Threaded Rod - Stainless Steel	0994523
26	3/8" Lock Nut	0131018

* 2 Wheel Lin. Guidance Panel Mount. Hdwre. Kit KA01409
(includes Male to Female Connector - 03E2444, Female to Female Modem Connector - 03E2810 & Harness w/Remote Conduit - 9311676 (not shown))

** EZ Tow Control Panel Mount Hardware Kit KA01235

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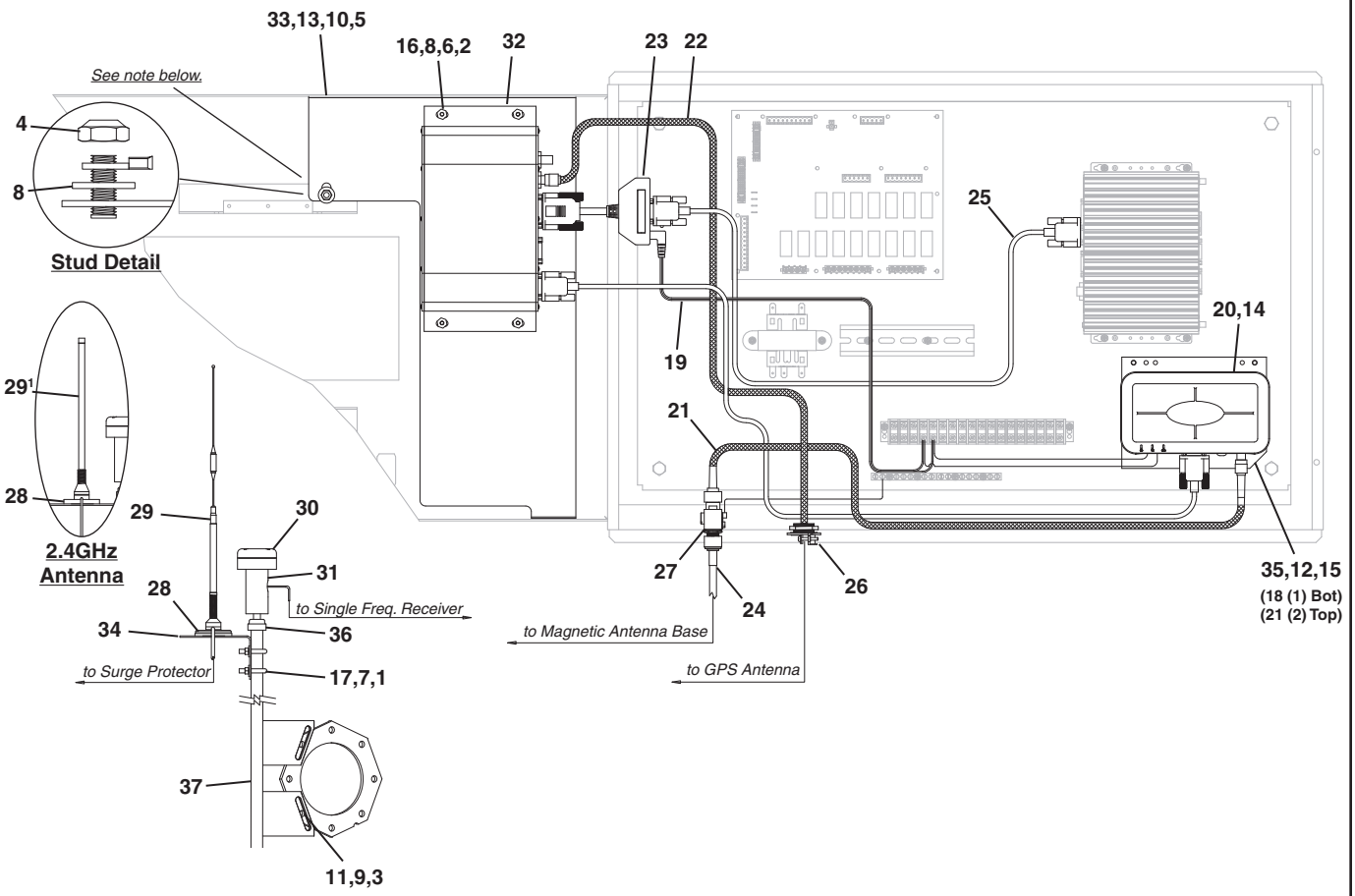


ITEM	DESCRIPTION	PART #
1	Trimble Receiver	03E3111
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Power Cable	03E3115
5	Trimble Radio Bracket	9311873 *
6	Null Modem Cable - 1' DB9 Fem to Fem	03E3127 *
7	Antenna Jumper - N Male to TNC Male	03E3128 *
8	N Female Bulkhead	0997247 *
9	Null Modem Cable - 4' DB9 Fem to Fem	03E3137 *
10	Power Plug	03E2542 *
11	Coaxial Cable - 28' TNC Male to 90° TNC Male	03E3114
12	3/4" Cable Connector	03E3163 *
13	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
14	#8 Flat Washer - Stainless Steel	0142084 *
15	#8 x 3/8" Cap Screw	0164110 *

*** Trimble 900 MHz In-Panel Mounting Hardware - Linear KA01463**

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/ new 1/4" Lock Nut - 0133008 & 1/4" Flat Washer - 0142022.

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ITEM	DESCRIPTION	PART #
1	5/16" Hex Nut	0131019 *
2	1/4" Hex Nut	0131020 *
3	1/2" Lock Nut	0133005 *
4	1/4" Lock Nut	0133008 *
5	#8 Hex Nut w/ External Tooth Lock Washer	0134059 *
6	1/4" Lock Washer	0141009 *
7	5/16" Flat Washer - Wide	0142017 *
8	1/4" Flat Washer - Wide	0142022 *
9	1/2" Flat Washer	0142025 *
10	#8 Flat Washer - Stainless Steel	0142084 *
11	1/2" x 2-1/2" Cap Screw	0161023 *
12	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
13	#8 x 3/8" Machine Screw - Pan Head	0164110 *
14	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
15	#12 x 1/2" Sheet Metal Screw - Pan Head PH/SL	0164231 *
16	1/4" x 20mm Screw - Allen Socket	0164234 *
17	U-Bolt - 5/16" x 1.38" x 2.19"	0176064 *
18	Wire Tie Black - Nylon 12 14.50" (not shown)	03E2004 *
19	Power Plug - 2.1mm	03E2542 *
20	Freewave 900MHz SSR TNC-F Radio	03E3061
	Freewave 2.4GHz RS232 TNC-F Radio (INTL ONLY)	03E3915
	Freewave 916-928MHz SSR RS232 (INTL ONLY)	03E4093
21	Coax. Ant. Jumper - 3' LMR240N-Male to TNC-Male	03E3064 *
22	Coaxial Cable - Male to 90° Male	03E3114
23	Trimble Power Cable	03E3115
24	N Male to N Female Cable - 15'	03E3126

ITEM	DESCRIPTION	PART #
25	Cable - DB9 Female to DB9 Female Null Modem - 4'	03E3137 *
26	Romax Cable Connector	03E3163 *
27	Coaxial Surge Protector - 230V	03E3194
28	Magnetic Antenna Mount	03E3521
29	900MHz Antenna - 5 db	03E3528
	2.4GHz Antenna - 5 db (INTL ONLY)	03E3916
30	AV33 L1/G1 Aviation Antenna	03E3605
31	Antenna Mount	03E3649
32	Single Frequency Receiver - Programmed	03E3650
33	Panel Door Bracket	9311874
34	Magnetic Antenna Mount	9311890
35	SSR Mounting Plate	9311895
36	GPS Antenna Mount Assm.	9363922
37	Short Antenna Mount Assm. - Threaded	9363972

* Endfeed Lin. SFGGS In-Panel Mount Hardware Kit 900MHz KA02693

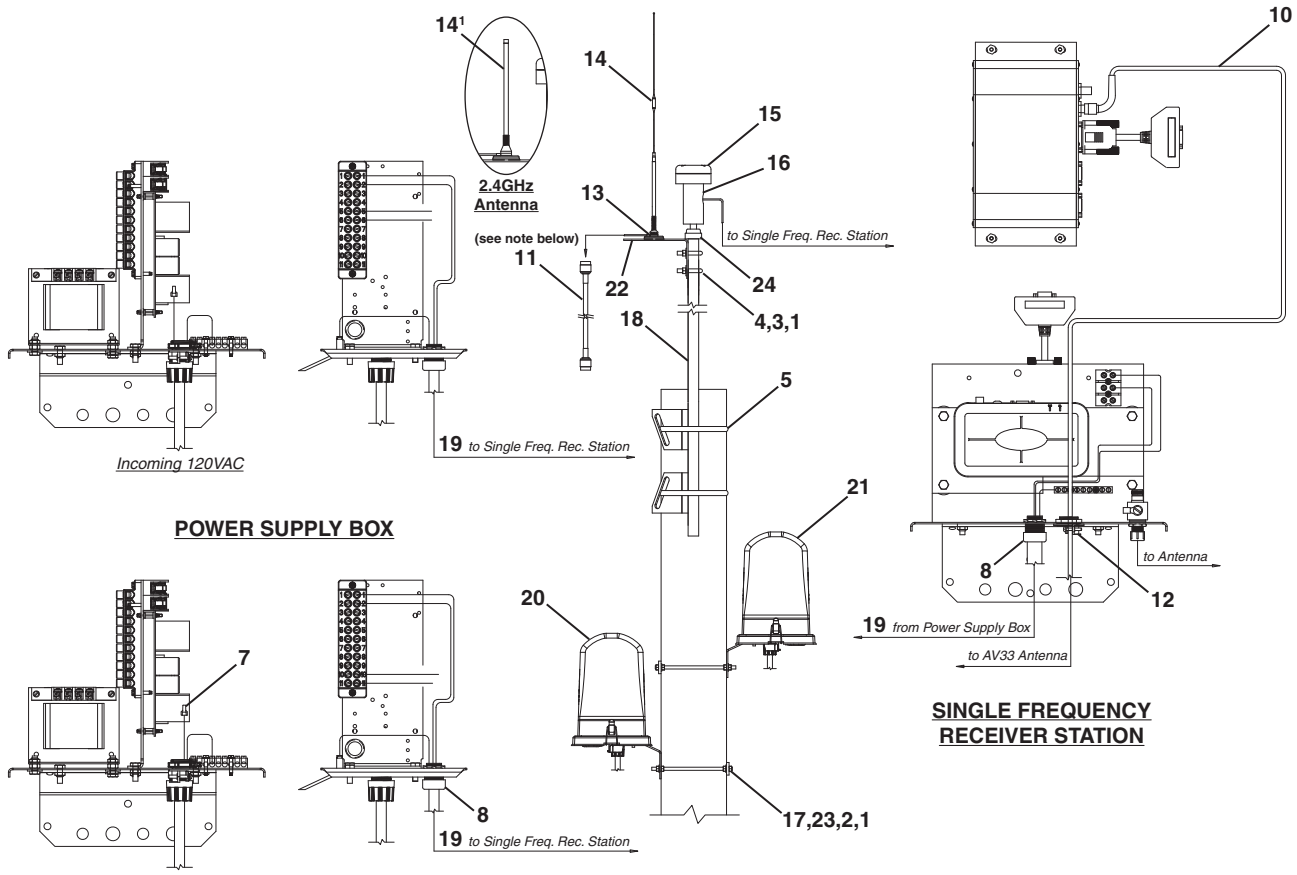
* Endfeed Lin. SFGGS In Panel Mount Hardware Kit 2.4GHz (INTL ONLY) KA02697

* Endfeed Lin. SFGGS In Panel Mount Hardware Kit 916-928MHz (INTL ONLY) KA02696

[1] INTERNATIONAL ONLY

NOTE: If grounding stud is present, see Stud Detail.

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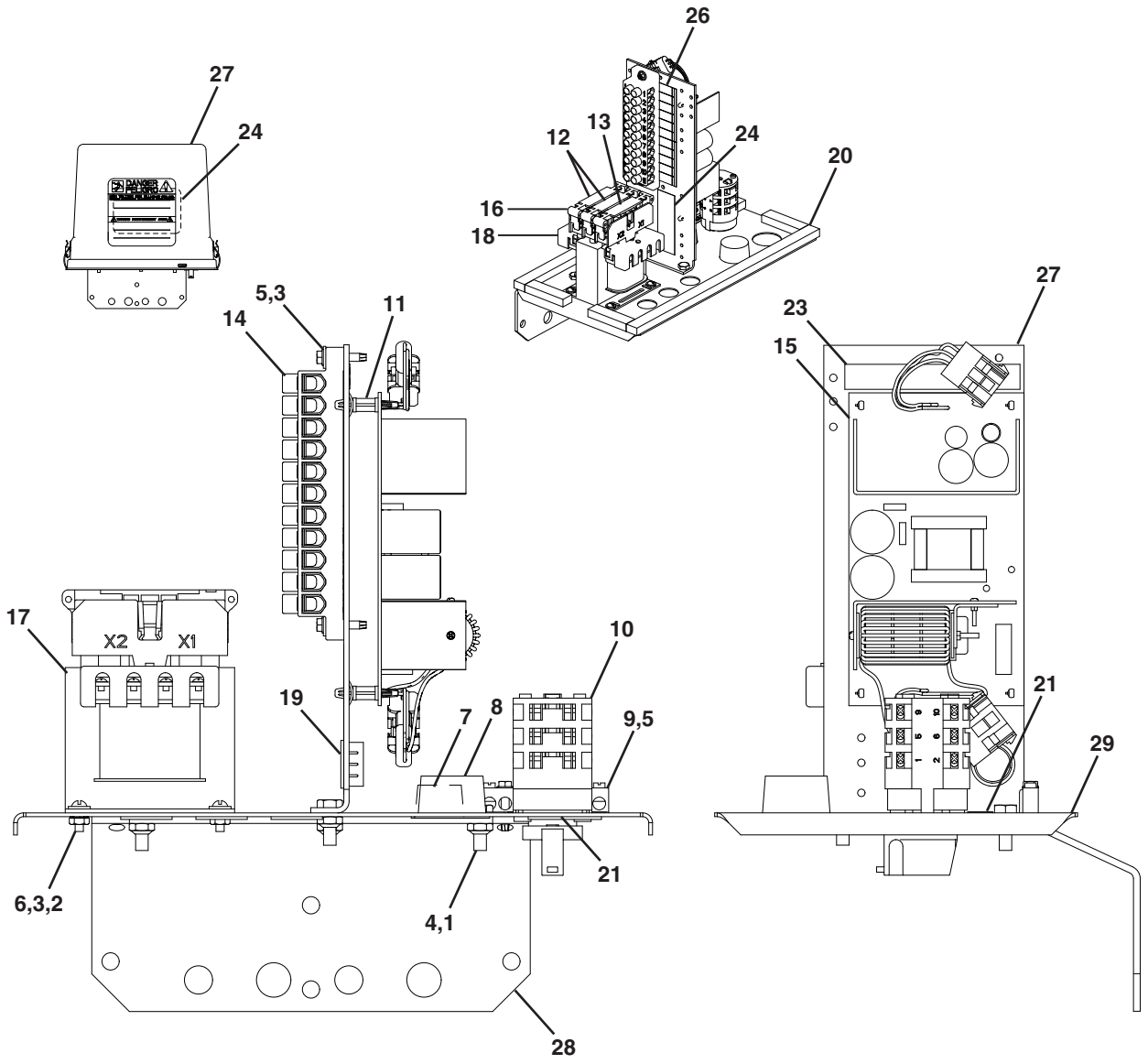
ITEM	DESCRIPTION	PART #
1	5/16" Hex Nut - Stainless Steel	0131037 *
2	5/16" Flat Washer - Wide	0142017 *
3	5/16" Flat Washer - Stainless Steel	0142095 *
4	5/16" U-Bolt	0176064 *
5	Hydraulic Tube Clamp - 42"	0271051 *
6	Strain Relief Hub - .50 Hub	0314119 *
7	Schtchlok Connector	0314151 *
8	Strain Relief Connector	0315502 *
9	Nylon 12 Wire Tie - Black (not shown)	03E2004 *
10	Coaxial Cable - Male to 90° Male	03E3114
11	Cable - N Male to N Female - 15'	03E3126
12	Cable Connector - Romax 3/4"	03E3163 *
13	Magnetic Antenna Mount	03E3521
14	900MHz Antenna - 5 db	03E3528
	2.4GHz Antenna - 5 db	03E3916
15	Aviation Antenna - AV33 L1/G1	03E3605
16	Antenna Mount	03E3649
17	Adjustment Rod - Stainless Steel	1731232 *
18	Universal Running Light Bracket Assm	1781544
19	Power Cable - 3 Cond. 10'	1813424 *
20	Power Box Assm. - 480/120 VAC In - 12 VDC Out	1814762
21	916-928MHz Single Frequency Receiver Station Assm	1815353
	2.4GHz Single Frequency Receiver Station Assm.	1815312 [1]
22	Magnetic Antenna Mount	9311890 *
23	GPS Reference Station Mounting Bracket	9363561 *
24	GPS Antenna Mount Assm	9363922 *

*Single Frequency Reference Station Hardware Kit KA01760

[1]INTERNATIONAL ONLY

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Power Box - 480/120 VAC In to 12VDC Out



ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	#8 Flat Washer - Stainless Steel	0142084
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Screw - Self-Tapping	0161356
6	#8 x 1/2" Screw - RH	0164042
7	Caplug 12	0261008
8	Caplug 15x	0261010
9	Ground Lug	0315120
10	Disconnect Switch - 6 Pole	0315746
11	Circuit Board Spacer - Snap-in	03E0412
12	Fuse - 5 Amp 600V	03E1678
13	Fuse - 2.5 Amp 600V	03E1733
14	Terminal Block - 11 Term 600V	03E1899
15	Power Supply - 12V	03E2809
16	Fuse Puller/Cover	03E2875

ITEM	DESCRIPTION	PART #
17	Transformer - 240 x 480 Primary 120 Secondary	03E2876
18	Transformer Finger Safe Covers	03E2877
19	Snap Bushing	0992070
20	Gasket Kit	0992071
21	Decal - Disconnect	0992090
22	Decal - Ground	0992925
23	Decal - Copper Wire ONLY	0994836
24	Decal - 3R Enclosure Decal	0996403
25	Decal - Electrical Schematic	0997858
26	Decal - Terminal Strip	0997954
27	Vertical Component Bracket	1702053
28	Mounting Plate	1702054
29	Bottom Plate	1704173
30	Tower Box Cover - UL	9311146
	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762

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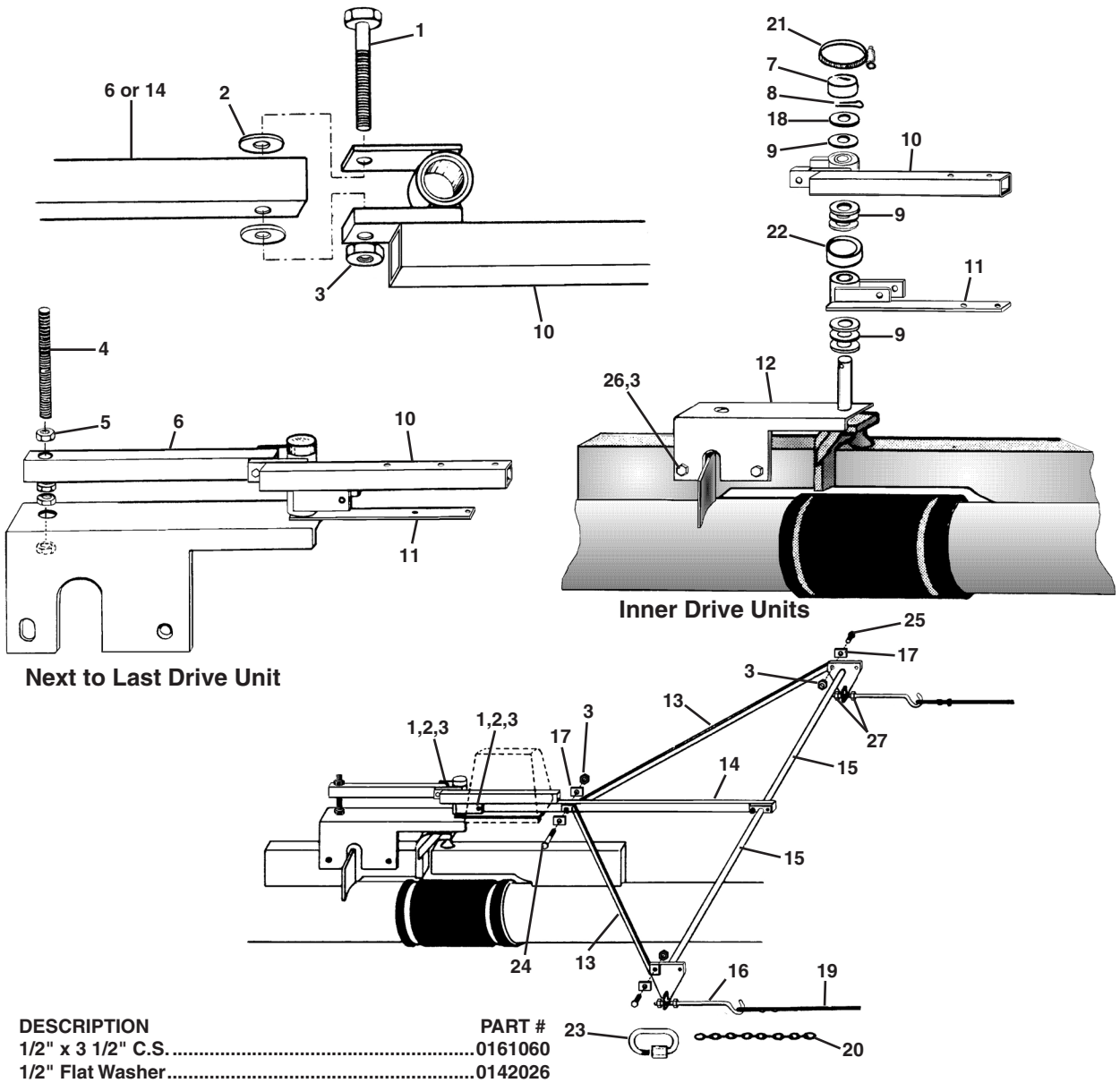
ALIGNMENT

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
Floating Alignment Controls	04-19	5-3
Control Tower Box Hardware	01-10	5-4
Modified Alignment	04-17	5-5
Single Span Safety Hardware	11-18	5-6
Single Span Safety Hardware (cont'd)	09-10	5-7
Single Span Safety Tower Pulse Box	10-18	5-8

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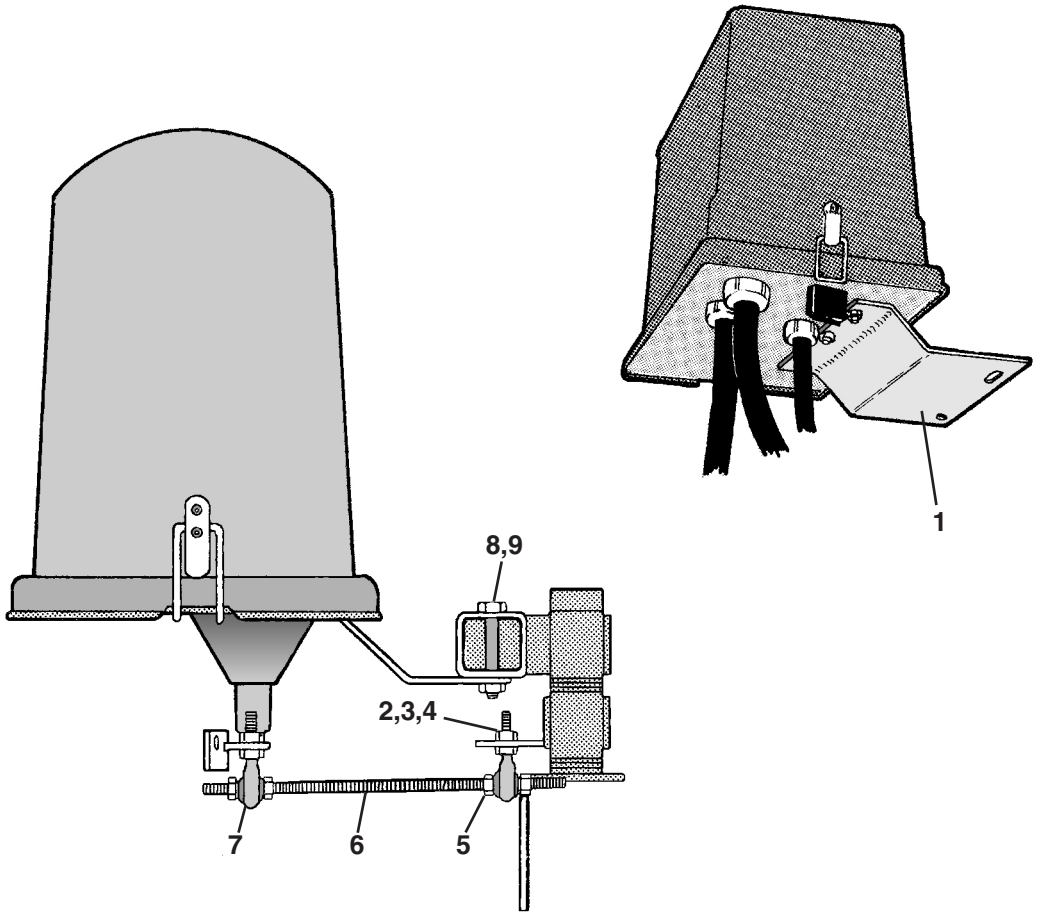
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ITEM	DESCRIPTION	PART #
1	1/2" x 3 1/2" C.S.	0161060
2	1/2" Flat Washer	0142026
3	1/2" Locknut	0133005
4	Stabilizer Stud	1730579
5	3/4" Nut	0131008
6	Outer Tower Box Stabilizer	1730580
7	Caplug	0261033
8	3/16" x 2" Cotter Pin	0151015
9	Alignment Washer	1730570
10	Yoke & Tower Box Support w/Bushing	1731299
	2-1/2" Plastic Bushing Only	1731297
11	Yoke and Control Rod with Bushing	1730562
	2" Plastic Bushing Only	1731296
12	Alignment Shaft Assy. - 5.125" Stack Height - Red	1731300
13	Brace	1730485
14	Alignment Tube	1730571
15	Cable Attachment Assy.	1730572
16	3/8" x 8" Hook Bolt	0161366
17	Pad	1730478
18	Stainless Steel Washer	0141067
19	Alignment Cables ..... S.S. ..... Galv.	
	115' [29.2m]	9364239 9330036
	135' [34.3m]	9364240 9330008

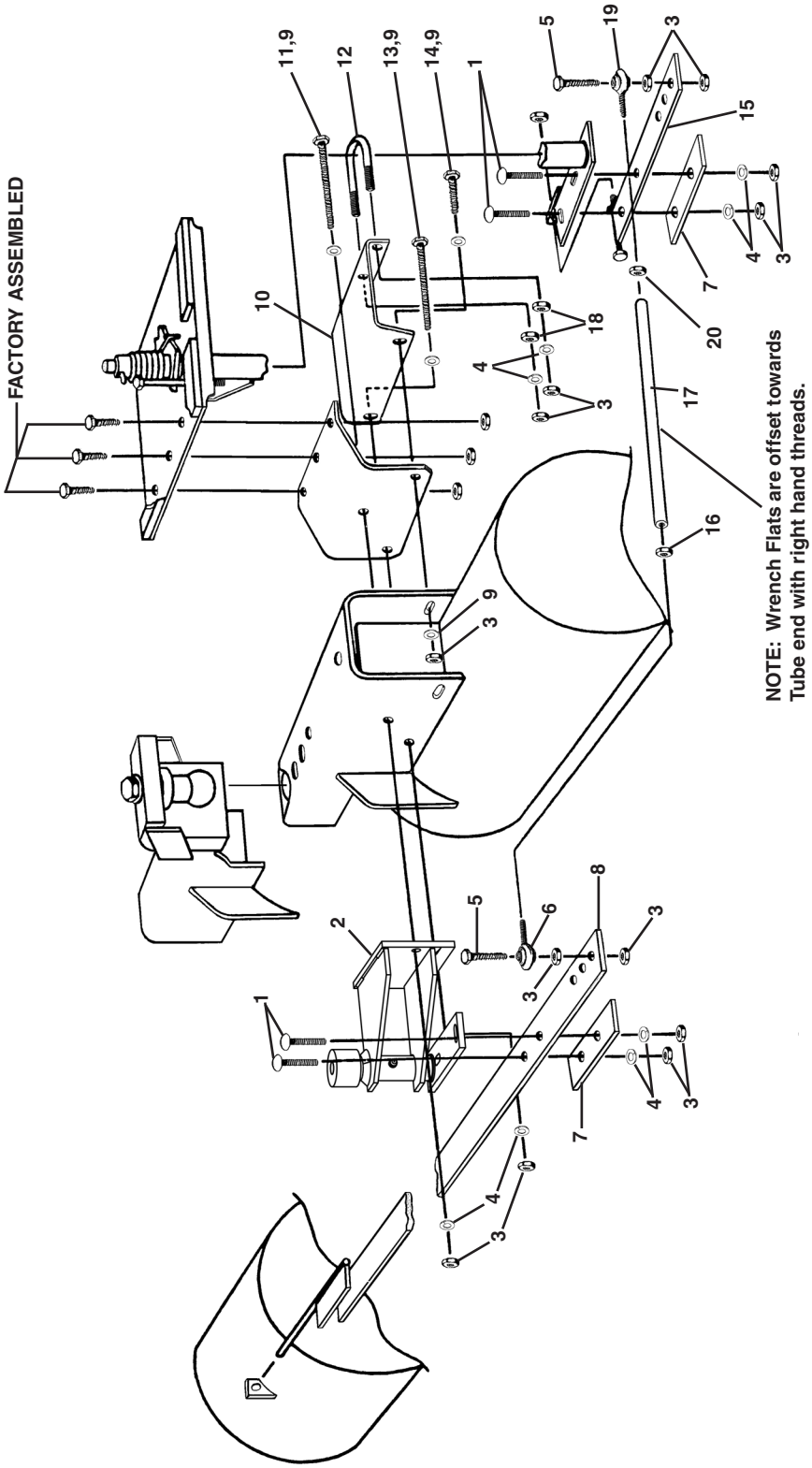
ITEM	DESCRIPTION	PART #
	140' [35.6m]	9364241 9330037
	142' [36.1m]	9364242 9330248
	157.5' [40.0m]	9364243 9330009
	160' [40.6m]	9364244 1731011
	161' [40.9m]	9364245 9330247
	180' [45.7m]	9364246 1781578
	185' [47.0m]	9364247 9330010
	187' [47.5m]	9364248 1781579
	199' [60.7m]	9364249 9330246
	205' [62.5m]	9364251 9330012
20	Single Transition Chain (24 Links)	1730581
	Cart Extension Chain (84 Links)	0323041
21	Hose Clamp 1-3/4"	0271064
22	Bearing Sleeve	0993010
23	Threaded Chain Connector	0323042
24	1/2" x 3" C.S.	0161136
25	1/2" x 1" C.S.	0161028
26	1/2" x 4-1/2" C.S.	0161110
27	3/8" Hex Nut	0131018

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ITEM	DESCRIPTION	PART #
1	Tower Box Mounting Plate	1730577
2	5/16" - 24 Nut	0131068
3	5/16" Lock Washer	0141008
4	5/16" Flat Washer	0142017
5	5/16" Nut	0131037
6	Adjustment Rod	1731232
7	5/16" Ball Joint Rod End, R.H.	0992984
	5/16” Ball Joint Rod End, R.H. (Stain. Steel)	0996131
8	1/2" x 2-1/2" Cap Screw	0161023
9	1/2" Lock Nut	0133005

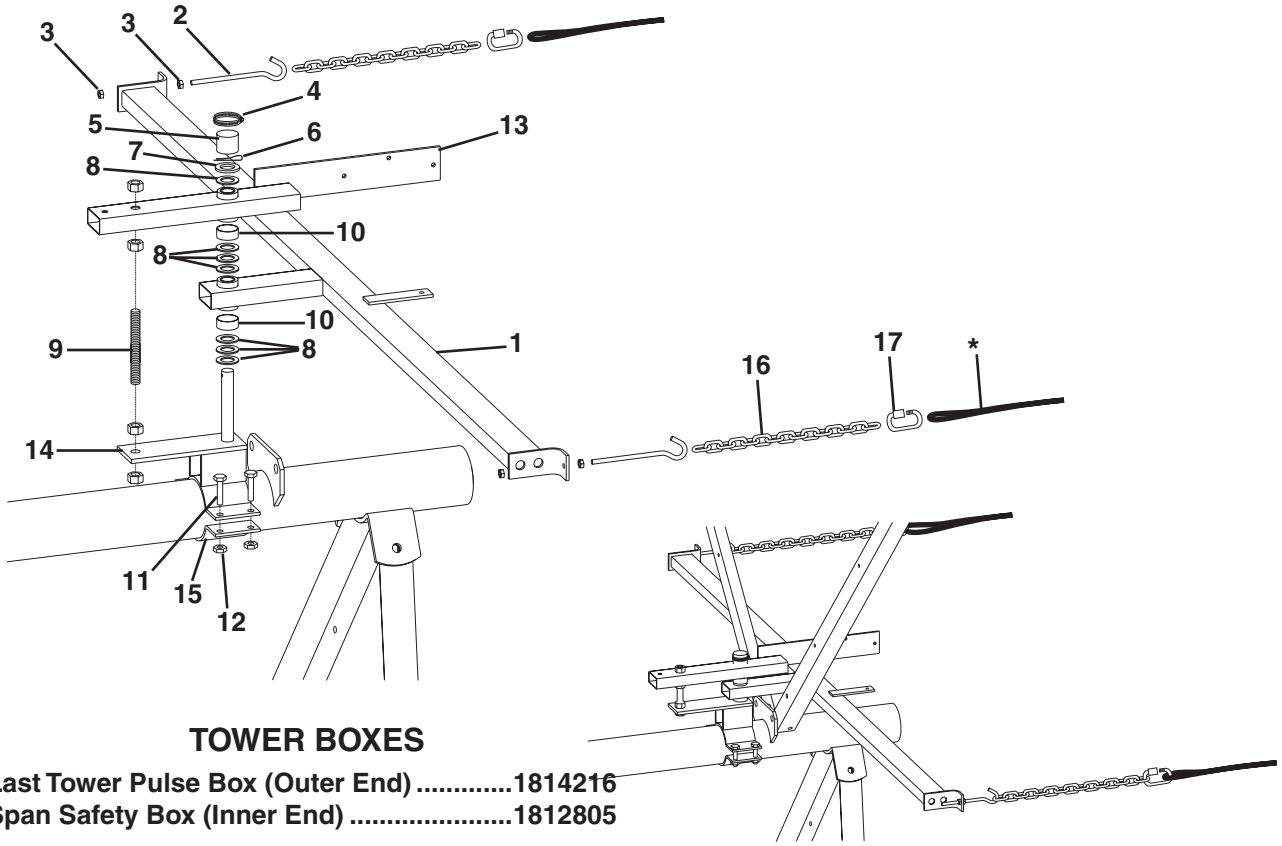
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ITEM	DESCRIPTION	PART #
1	5/16" x 1-1/4" Carriage Bolt	0175013
2	Housing Control Bar Pivot	1703462
3	5/16" Hex Nut	0131019
4	5/16" Lock Washer	0141008
5	5/16" x 2" Cap Screw	0161079
6	5/16" Ball Joint Rod End, R.H.	0992984
	5/16” Ball Joint Rod End, R.H. (Stain. Steel)	0996131
7	Lower Keeper Plate	1700156
8	Control Bar Long	1703457
9	5/16" Flat Washer	0142017
10	Sensor Bearing Bracket	1702294

ITEM	DESCRIPTION	PART #
11	5/16" x 4" Cap Screw	0161181
12	5/16" x 1" x 2-3/16" U-Bolt	0176049
13	5/16" x 4-1/2" Cap Screw	0161191
14	5/16" x 1" Cap Screw	0161052
15	Control Bar Short	1703455
16	5/16" Hex Nut - Fine, R.H.	0131066
17	Tube, Adjustable Linkage	0995852
18	3/8" Hex Nut	0131018
19	5/16” Ball Joint Rod End, L.H.	0995851
	5/16” Ball Joint Rod End, L.H. (Stain. Steel)	0996130
20	5/16” Hex Nut - Fine, L.H.	0131075

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TOWER BOXES

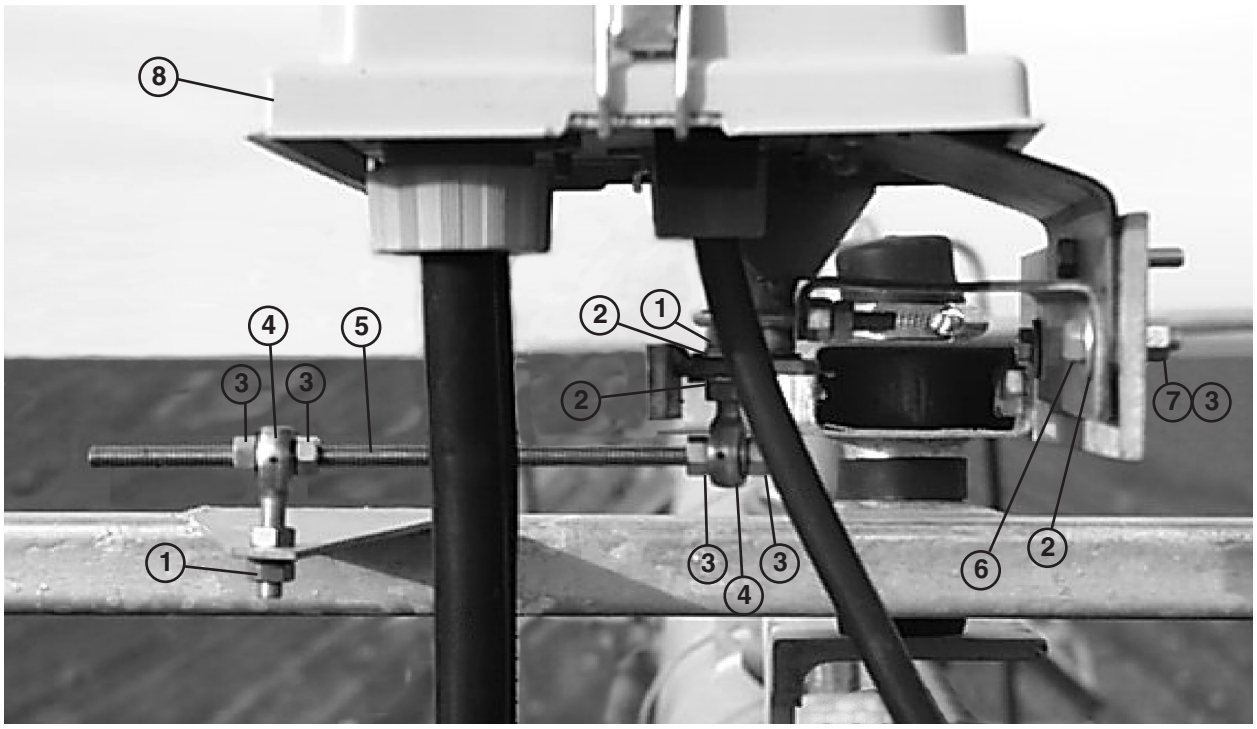
Last Tower Pulse Box (Outer End) 1814216
Span Safety Box (Inner End) 1812805

MODEL 8120 SPANS			MODEL 8000 / 5000		
SPAN LENGTH	GALV. CABLE PART #	S.S. CABLE PART #	SPAN LENGTH	GALV. CABLE PART #	S.S. CABLE PART #
142.3'	9330248	9364242	112.5'	9330278	-
161.2'	9330247	9364245	135.2'	9330008	9364240
180.0'	1781578	9364246	140.0'	9330037	9364241
198.9'	9330246	9364249	160.0'	1731011	9364244
218.0'	9330276	-	180.0'	1781578	9364246
			184.8'	9330010	9364247
			186.7'	1781579	9364248
			204.9'	9330012	9364251
			225.0'	9330277	9364252

ITEM	DESCRIPTION	PART #
1	T-Bar - Short w/Bushing	9361043
2	3/8" x 8" Hook Bolt	0161366
3	3/8" - 24 Nut	0131018
4	1-3/4" Hose Clamp	0271064
5	Alignment Bearing Cap	0261033
6	3/16" x 2" Cotter Pin	0151015
7	1" Flat Washer - Stainless Steel	0141067
8	Alignment Washer	1730570
9	Last Tower Stabilizer Stud w/Nuts	9361273
10	Alignment Bearing Sleeve	0993010
11	1/2" x 2-1/2" Cap Screw	0161023
12	1/2" Lock Nut	0133005
13	Last Tower Align. Bar w/Bushing	9361041
14	Alignment Mount. Bracket (5" Pipe)	9361506
	Alignment Mount. Bracket (6-5/8" Pipe)	9361909
15	Half Clamp (5" Pipe)	9360921
16	Single Transition Chain	1730581
17	Threaded Chain Connector	0323042

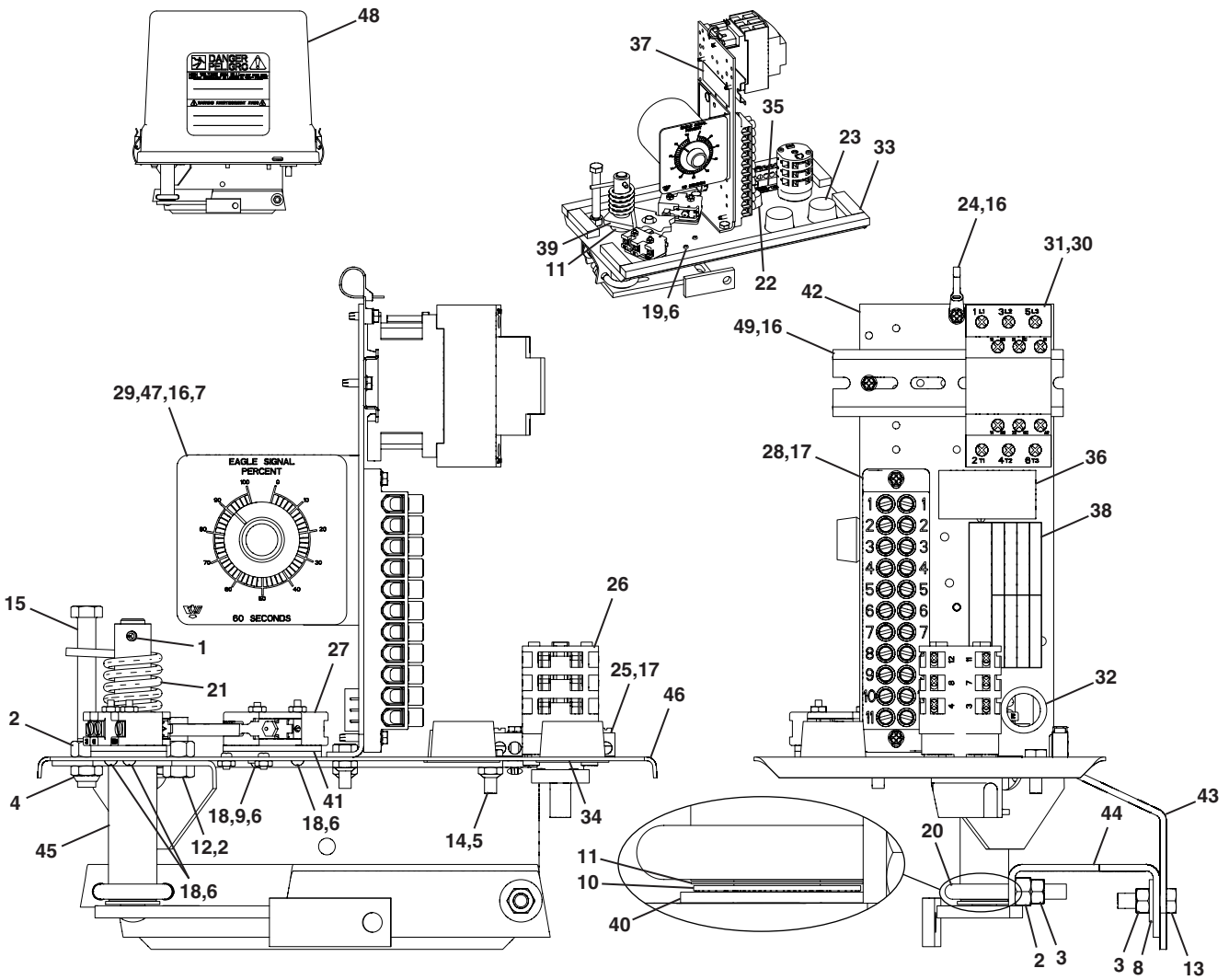
***NOTE: See Cable Charts.**

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ITEM	DESCRIPTION	PART#
1	5/16" - 24 Nut, Stainless Steel	0131068
2	5/16" Flat Washer, Plated	0142017
3	5/16" - 18 Nut, Stainless Steel	0131037
4	5/16" Ball Joint End	0992984
5	Alignment Adjustment Rod, Stainless Steel	1731232
6	5/16" x 1-1/4" Cap Screw	0161051
7	5/16" Lock Washer	0141008
8	Span Safety Box (Inner End)	1812805
	Last Tower Pulse Box (Outer End)	1814216

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ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/8" Hex Nut	0131018
3	5/16" Hex Nut	0131019
4	3/8" Lock Nut	0133006
5	1/4" Lock Nut	0133008
6	#6 Hex Nut	0134027
7	#8 Hex Nut w/ External Tooth Lockasher	0134059
8	5/16" Flat Washer	0142017
9	#6 Flat Washer	0142074
10	Washer .030 x .510 x .968 - Stainless Steel	0143047
11	Washer .010 x .512 x .996 - Stainless Steel	0143066
12	3/8" x 1" Cap Screw	0161045
13	5/16" x 1" Cap Screw	0161052
14	1/4" x 3/4" Cap Screw	0161057
15	3/8" x 3-1/2" Cap Screw	0161150
16	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
17	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
18	#6 x 1-1/4" Phillips Head Screw - Round Head	0164054
19	#6 x 1/2" Machine Screw - Phillips Pan Head	0164188
20	5/16" x 1" U-Bolt	0176049
21	Spring	0181046
22	12 Caplug	0261008
23	15x Caplug	0261010
24	Wire Tie	0314793
25	Ground Lug - 7 Terminal	0315120
26	Pover Disconnect - 6 Pole	0315746

ITEM	DESCRIPTION	PART #
27	Microswitch - Minimum Travel	03E0307
28	Terminal Block	03E1899
29	Percent Timer (30 Sec)	03E2695
30	Suppressor	03E3546
31	Contactor - 25 AMP 120V Coil 3 Pole (Boxed)	03E3785
32	Snap Bushing	0992070
33	Gasket Kit	0992071
34	Decal - Disconnect	0992090
35	Decal - Ground	0992925
36	Decal - UL Powersupply	0994149
37	Decal - 3R Enclosure	0996403
38	Decal - Terminal Block Torque Copper Wire	0998450
39	Swtch Pivot & Arm Component Assm	1701262
40	Sensor Arm Washer	1701269
41	Sensor Base Insulator	1701632
42	Vertical Component Bracket	1702053
43	Tower Box Mounting Plate	1702054
44	Sensor Bearing Support Bracket	1702294
45	Sensor Bearing w/Bushing Assm.	1703336
46	Bottom Plate w/ 3 Microswitches	1703823
47	Percentage Timer Bracket	1750504
48	Tower Box Cover - UL	9311146
49	Din Rail Mount Channel - 4.75" Long	9312033
	Last Tower Pulse Box Assm.	1814216

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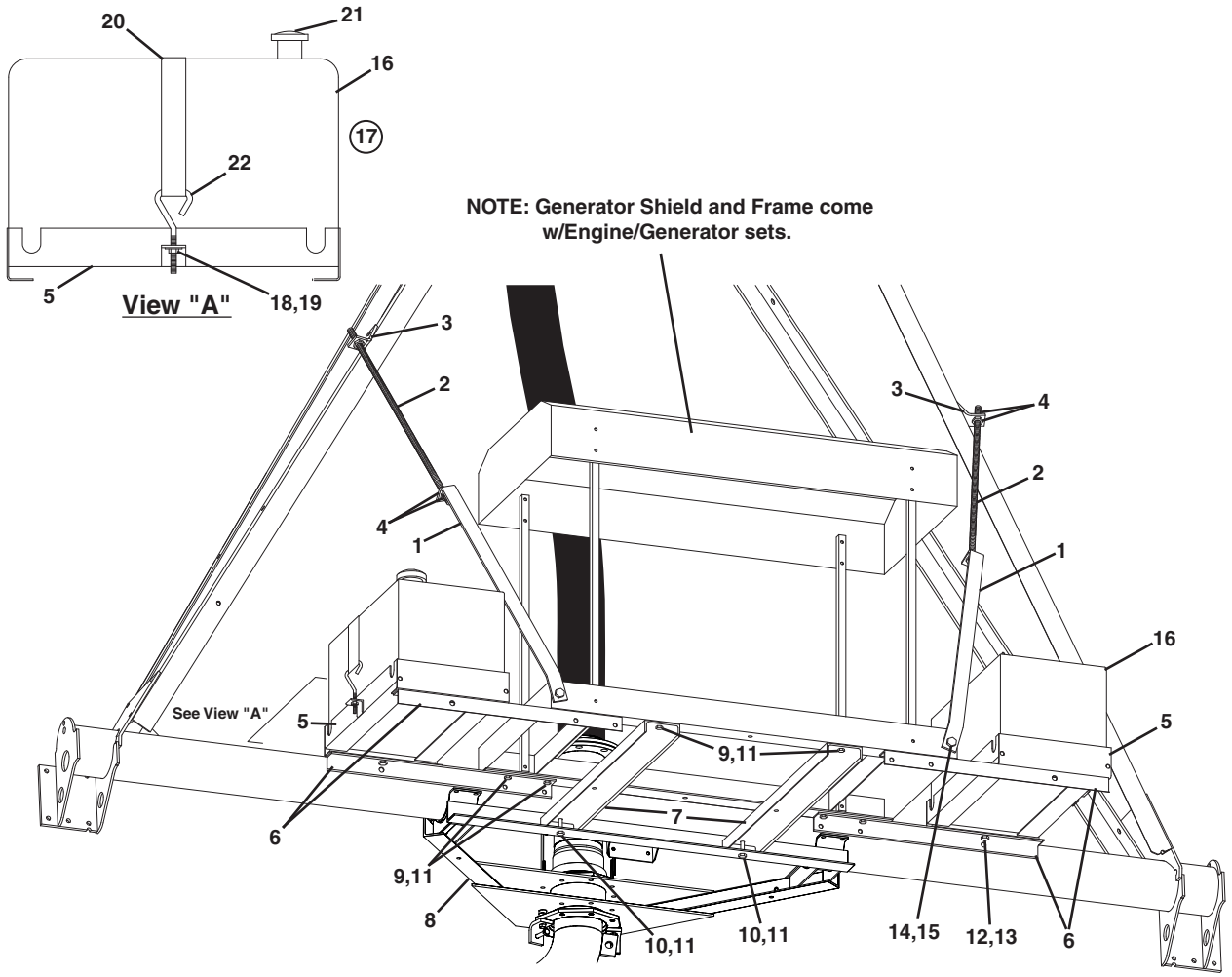
POWER SUPPLY

2 Wheel Linear

Description	Rev. #	Pg. #
HOSE DRAG - Effective 1/10		
Engine/Generator Mount	05-15	6-3
Engine/Generator Sets	03-15	6-4
Fuel Tank and Fittings	01-10	6-5
Cord Drag Cart Mounting	02-19	6-6
Electric Cord Safety Adjust Spring	02-19	6-7
Electric Cord Pull Safety Switch	02-19	6-8
Junction Box Pedestal	01-10	6-9
Power Pedestal	04-11	6-10
DITCH FEED - Effective 8/10		
Electric Close-Coupled Pumps	04-17	6-11
Engine / Generator Mounts	06-10	6-12
Engine / Generator Sets	05-17	6-13
Fuel Tank (200 gal.) & Fittings	06-10	6-14
Cord Drag Cart Mounting	08-14	6-15
Electric Cord Safety Adjust Spring	08-14	6-16
Electric Cord Pull Safety Switch	08-14	6-17
Junction Box Pedestal	08-14	6-18
Power Pedestal	08-14	6-19
Disconnect Panel & Pump Panel	03-11	6-20
Electrical Cables & Routing	03-11	6-21

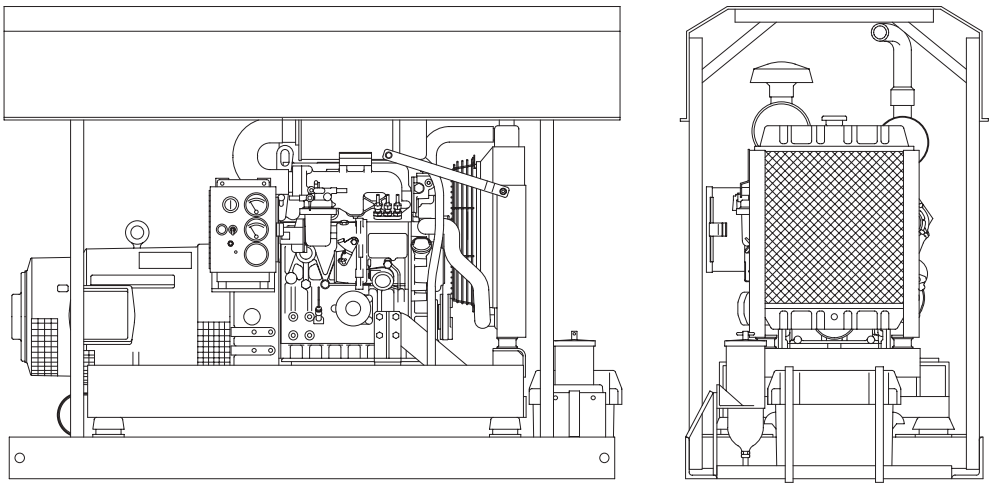
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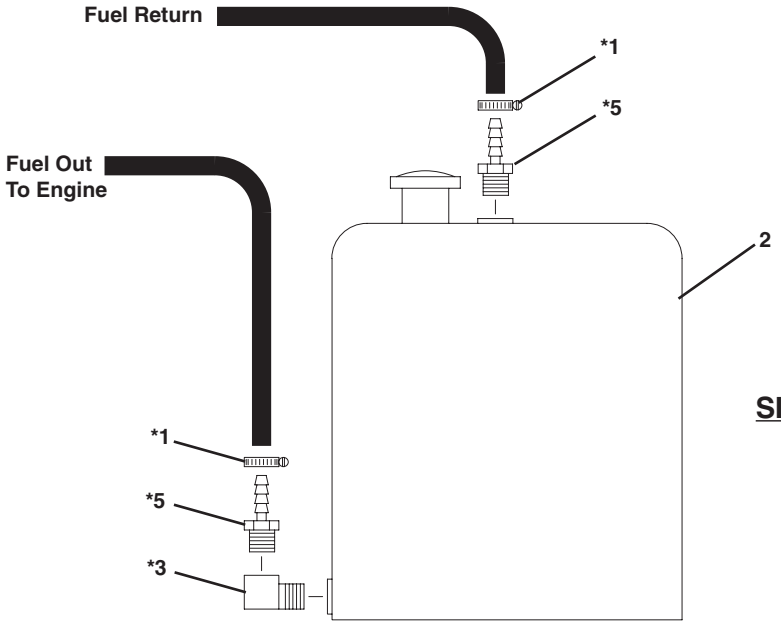
ITEM	DESCRIPTION	PART #
1	Engine/Generator Bottom Support	9361510
2	3/4" x 3' Rod	0036024
3	Hose Drag Engine Support Mount	1732327
4	3/4" Hex Nut	0131008
5	Fuel Tank Support Assembly	9332030
6	Fuel Tank Support Angle	9361511
7	Horizontal Eng/Gen Mount Channel	9361513
8	Hose Pull Frame	9361793
9	1/2" x 1-1/4" Cap Screw	0161027
10	1/2" x 2-1/2" Cap Screw	0161023
11	1/2" Lock Nut	0133005
12	5/8" x 2" Cap Screw	0161014
13	5/8" Lock Nut	0133010
14	3/4" x 1-3/4" Cap Screw	0161139
15	3/4" Lock Nut	0133011
16	30 Gallon Fuel Tank	0994938
17	30 Gallon Fuel Tank Tie Down w/J-Bolts	0995589
18	3/8" Hex Nuts	Supplied w/Item 17
19	3/8" Flat Washers	Supplied w/Item 17
20	Tie Down Strap	Supplied w/Item 17
21	Cap - Fuel Tank	Supplied w/Item 17
22	J-Bolts	Supplied w/Item 17

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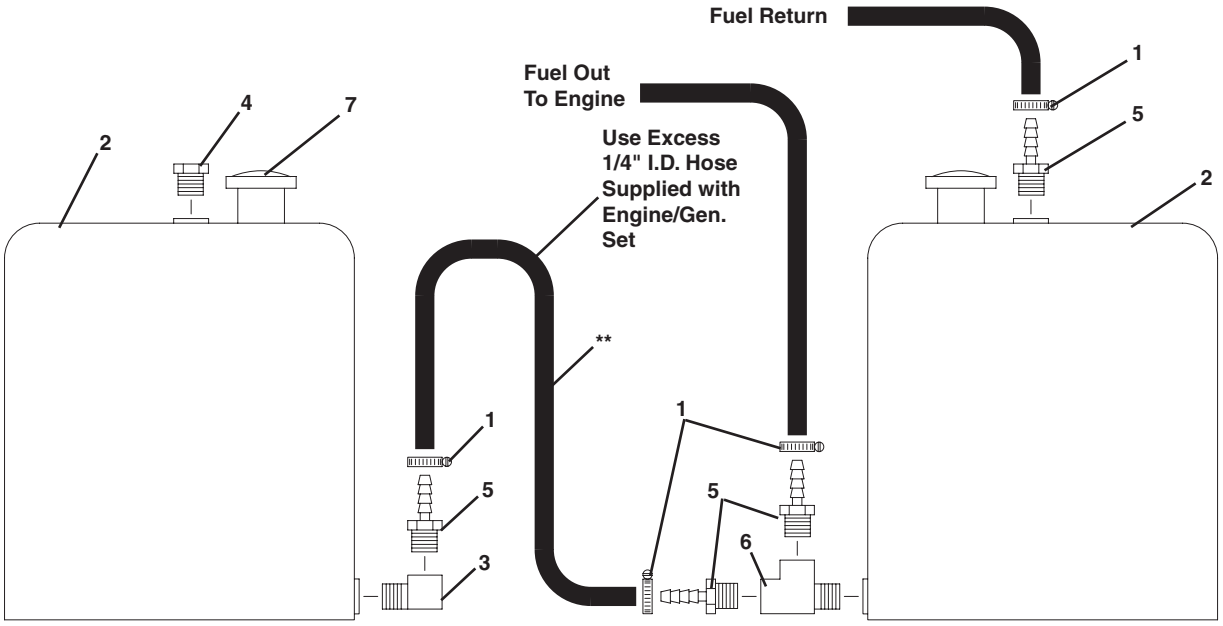


DESCRIPTION	FRAME SIZE	PART #
7.5 KW - Isuzu	Small	0996208
10 KW - Isuzu	Small	0996209
12 KW - Isuzu	Small	0996210
15 KW - Isuzu	Large	0996211
10 KW - Deutz	Small	0994306
12 KW - Deutz	Small	0994318
15 KW - Deutz	Large	0996515
20 KW - John Deere	Large	0996805
5 KW - Yanmar	Large	0997809
7.5 KW - Yanmar	Large	0997810
10 KW - Yanmar	Large	0997811
12 KW - Yanmar	Large	0997812
15 KW - Yanmar	Large	0997813
5 KW - Perkins	Large	0997365
7.5 KW - Perkins	Large	0997366
10 KW - Perkins	Large	0997367
12 KW - Perkins	Large	0997368
15 KW - Perkins	Large	0997369
19 KW - Perkins	Large	0997370

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SINGLE FUEL TANK



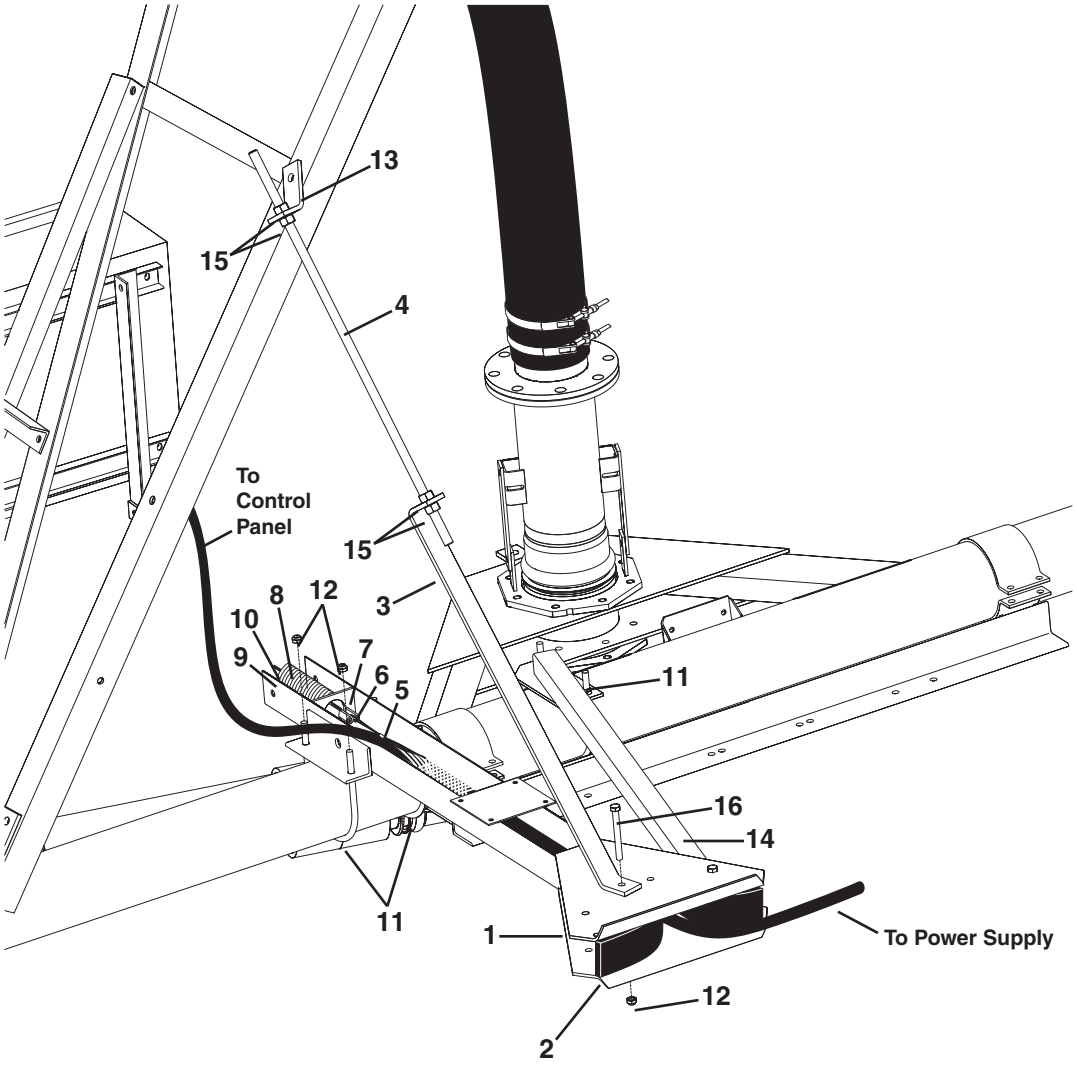
OPTIONAL DUAL FUEL TANKS

ITEM	DESCRIPTION	PART #
1	Hose Clamp 1/4" - 5/8"	0272018
2	30 Gallon Fuel Tank - Polyethylene	0994938
3	Street Elbow 1/4" NPT	0995201
4	Hex Head Plug 1/4" NPT	0995202
5	Hose Barb 1/4" NPT x 1/4" I.D. Hose	0995203
6	Street Tee 1/4"M x 1/4"F x 1/4"F	0995204
7	Fuel Cap & Tank Tie Downs	0995589

*NOTE: For Single Fuel Tank only items 1, 3 & 5 are included in Basic Fuel Tank Hardware Kit..... KA09200

**NOTE: Hose shown in this layout for illustration purposes only. Hose actually lays flat along Engine/Generator Frame.

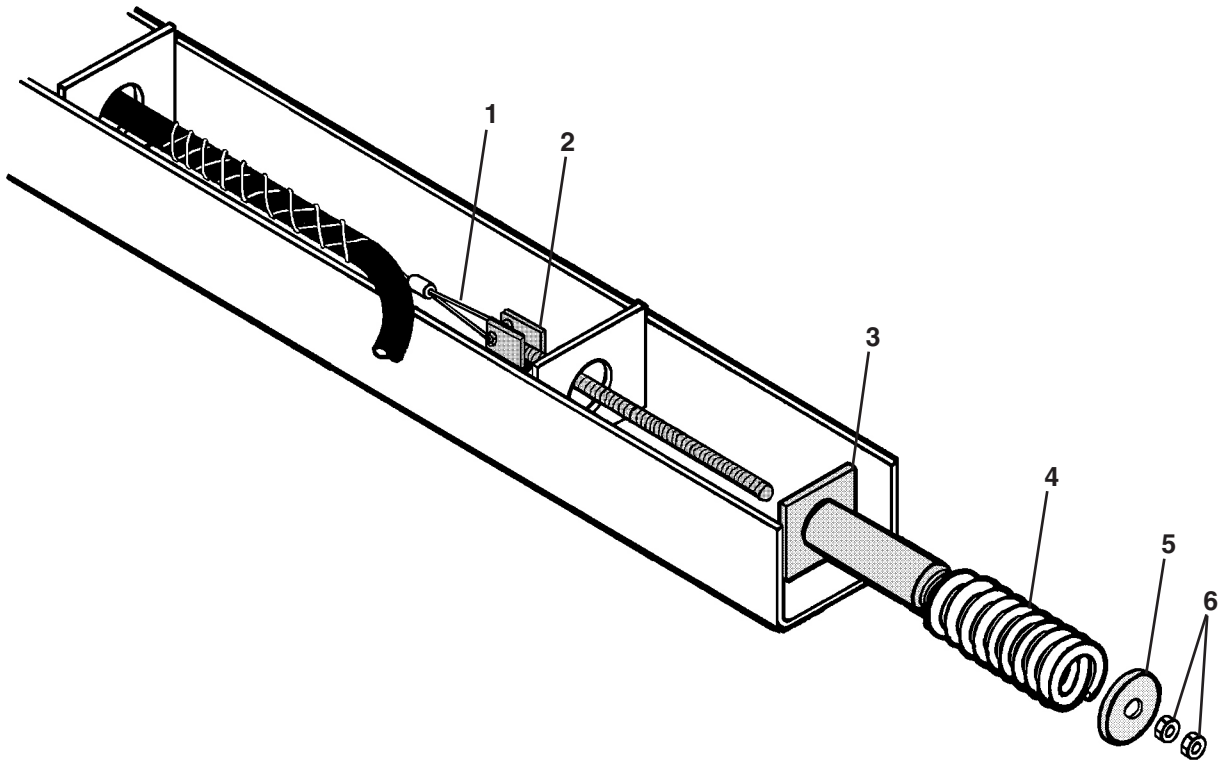
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ITEM	DESCRIPTION	PART #
1	Cord Drag Channel	9332227
2	Bumper	1732258*
3	Cord Drag Bracket	9332013
4	3/4" x 3" Rod	0036024
5	Cable Support Grip	0315504*
6	Spring Adjuster	1732272*
7	Spring Guide	1732275*
8	Roll Brake Spring	1900139*
9	Spring Keeper	1732260*
10	3/8" Hex Nut	0131018
11	U-Bolt	1781277*
12	1/2" Lock Nut	0133005*
13	Support Bracket - Top	1732327
14	Cord Drag Brace	9332205
15	3/4" Hex Nut	0131008*
16	1/2" x 4-1/2" Cap Screw	0161111*

***2 Wheel Linear Cord Drag Hardware Kit KA09524**
(Kit parts incl. here and on 2 following pages)

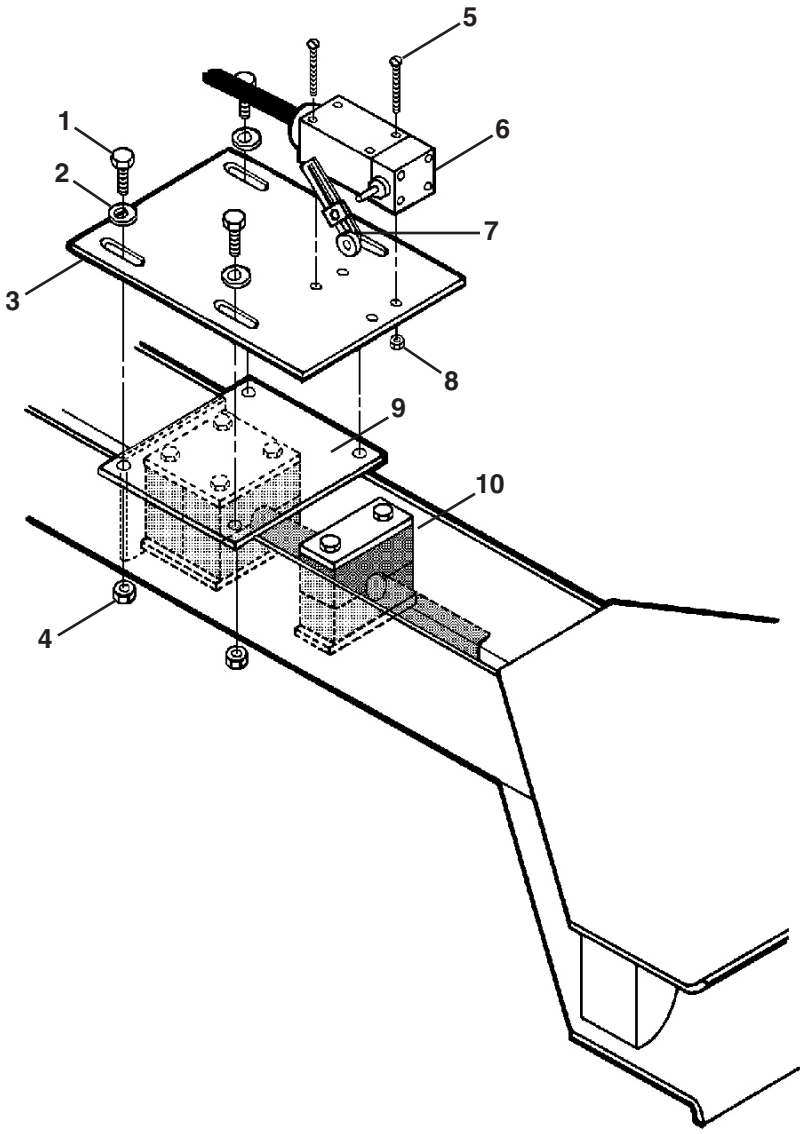
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ITEM	DESCRIPTION	PART #
1	Cable Support Grip	0315504*
2	Spring Adjuster	1732272*
3	Spring Guide	1732275*
4	Roll Brake Spring	1900139*
5	Spring Keeper	1732260*
6	3/8" Hex Nut	0131018

*Parts from 2 Wheel Linear Cord Drag Hardware Kit shown on pg. 6-7

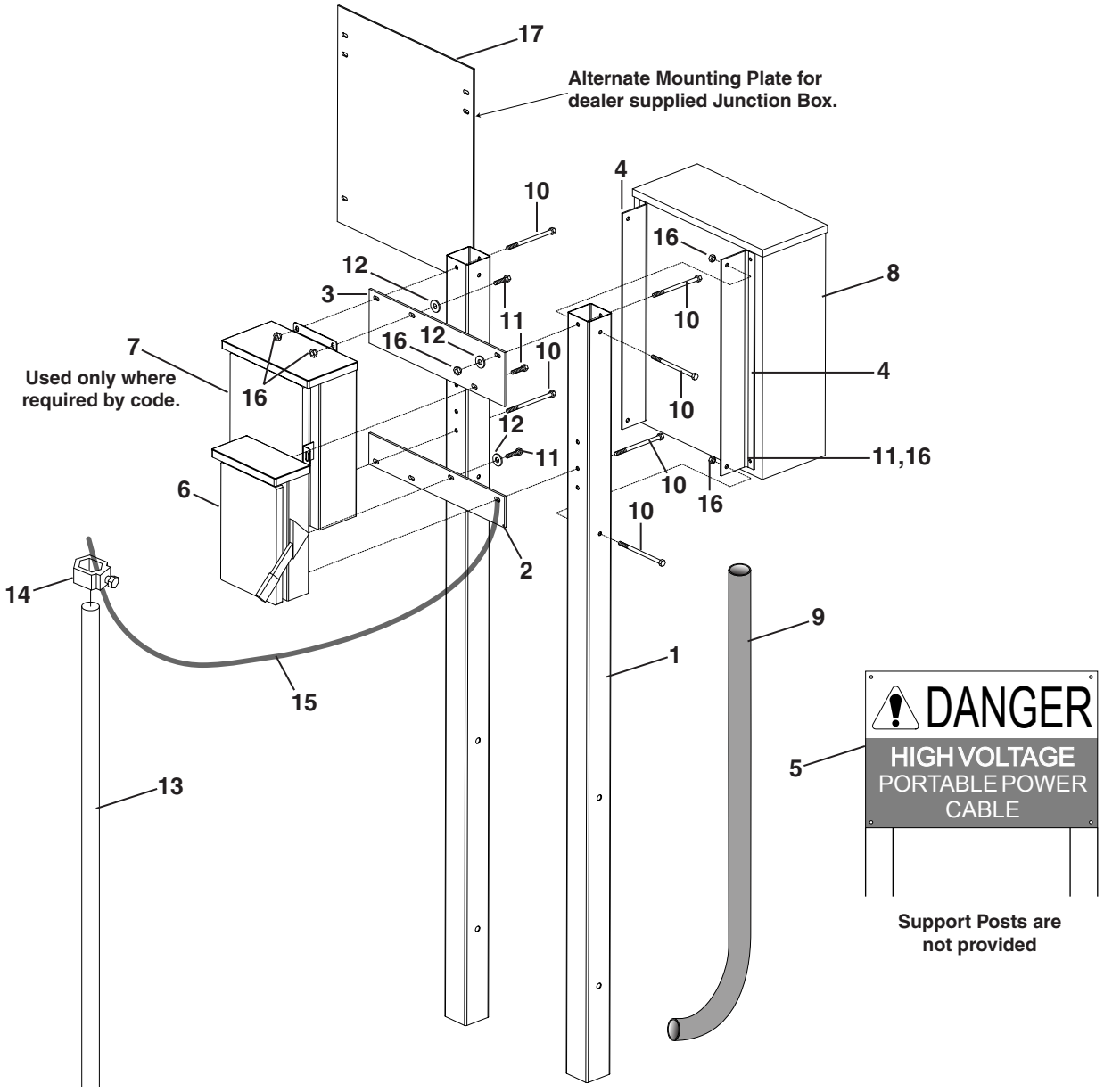
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ITEM	DESCRIPTION	PART #
1	5/16" X 1" Cap Screw	0161052*
2	5/16" Flat Washer	0142017*
3	Switch Mount	1732262*
4	5/16" Lock Nut	0133007*
5	#10 x 2-1/2" Round Head Machine Screw	0164083*
6	Limit Switch Assembly	1811451*
7	Adjustable Switch Arm	0315802*
8	#10 Hex Nut	0131055*
9	Large Cord Block	0315800*
10	Small Cord Block	0315801*

*** Parts from 2 Wheel Linear Cord Drag Hardware Kit shown on pg. 6-7**

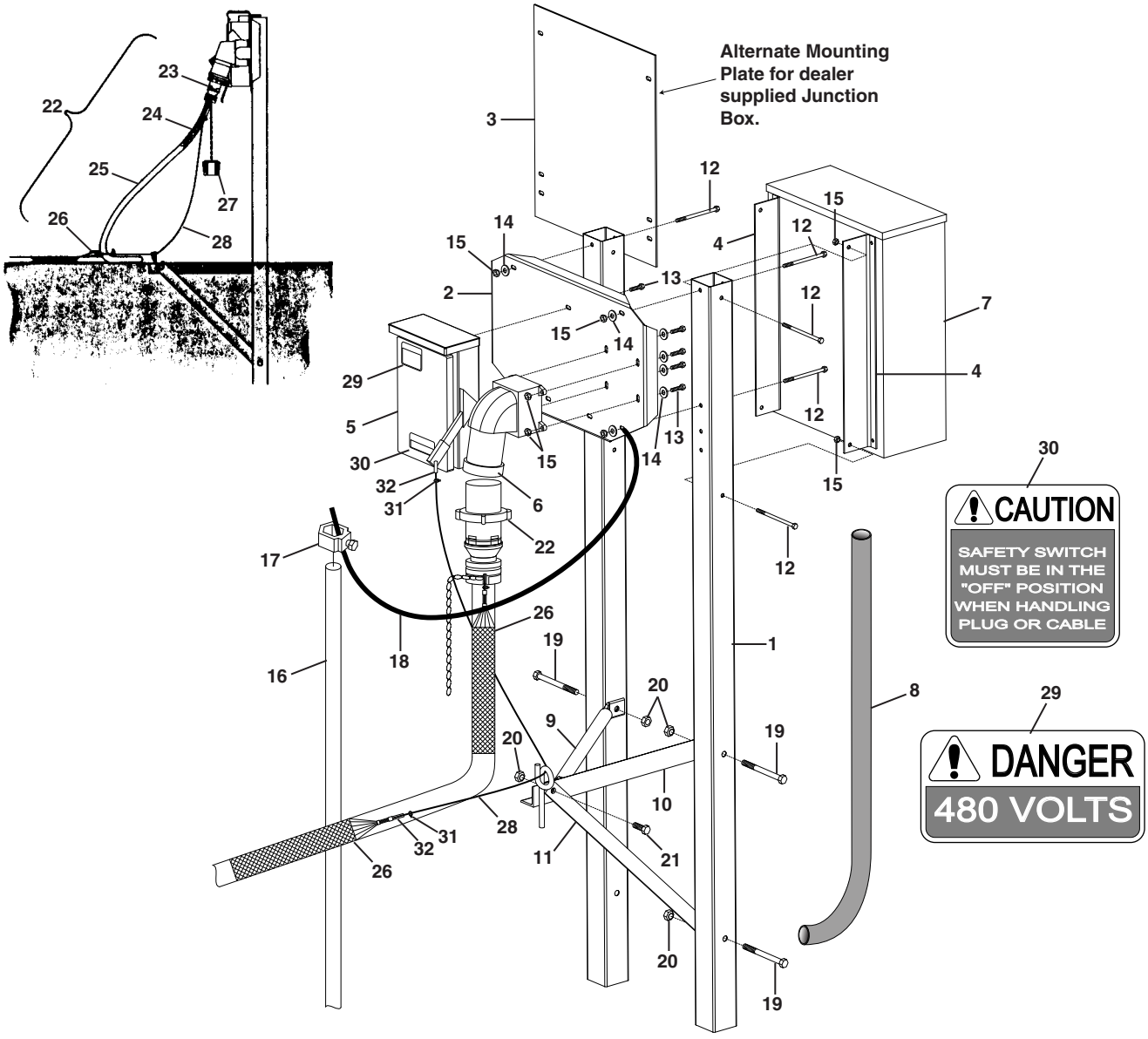
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ITEM	DESCRIPTION	PART #
1	Support Post	1732283
2	Lower Mount Strap	1732297
3	Upper Mount Strap	1732298
4	Junction Box Bracket	1732885
5	Warning Sign	1732291
6	Disconnect Box	0315762
7	GFI Junction Box - 30 Amp	1811857
8	Junction Box - 2/0 AWG	1811890
	Junction Box - 500 MCM	1811889
9	Conduit - 2.00" - 2/0 AWG	1811893
	Conduit - 3.00" - 500 MCM	1811891

ITEM	DESCRIPTION	PART #
10	5/16" x 4" Cap Screw	0161181
11	5/16" x 1" Cap Screw	0161052
12	5/16" Flat Washer	0142017
13	Ground Rod	0314910
14	Ground Clamp	0314911
15	Ground Wire	1701950
16	5/16" Lock Nut	0133007
17	Universal Mount Plate	9362629

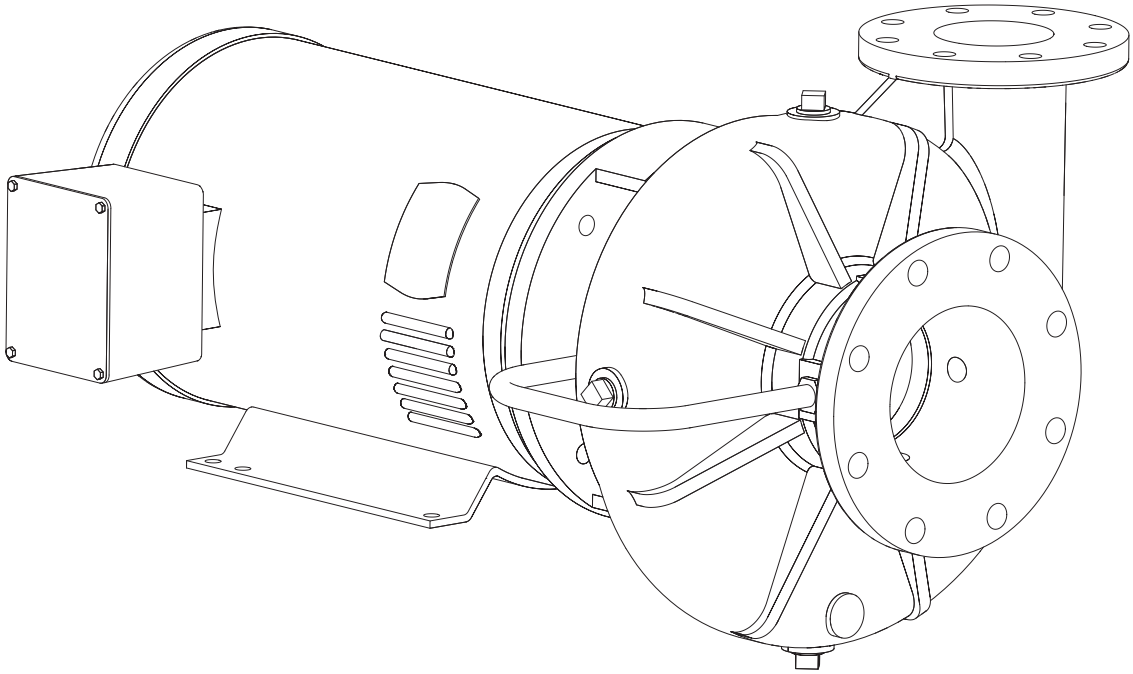
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ITEM	DESCRIPTION	PART #
1	Support Post	1732283
2	Mount Plate	1732284
3	Universal Mount Plate	9362629
4	Junction Box Bracket	1732885
5	Disconnect Box	0315762
6	Receptacle- 30 Amp	0315759
7	Junction Box - 2/0 Awg	1811890
	Junction Box - 500 MCM	1811889
8	Conduit - 2" (2/0 Awg)	1811893
	Conduit - 3" (500 MCM)	1811891
9	Horizontal Brace	1732285
10	Cable Anchor	1732290
11	Vertical Brace	1732287
12	5/16" x 4" Cap Screw	0161181
13	5/16" x 1" Cap Screw	0161052
14	5/16" Flat Washer	0142017
15	5/16" Lock Nut	0133007

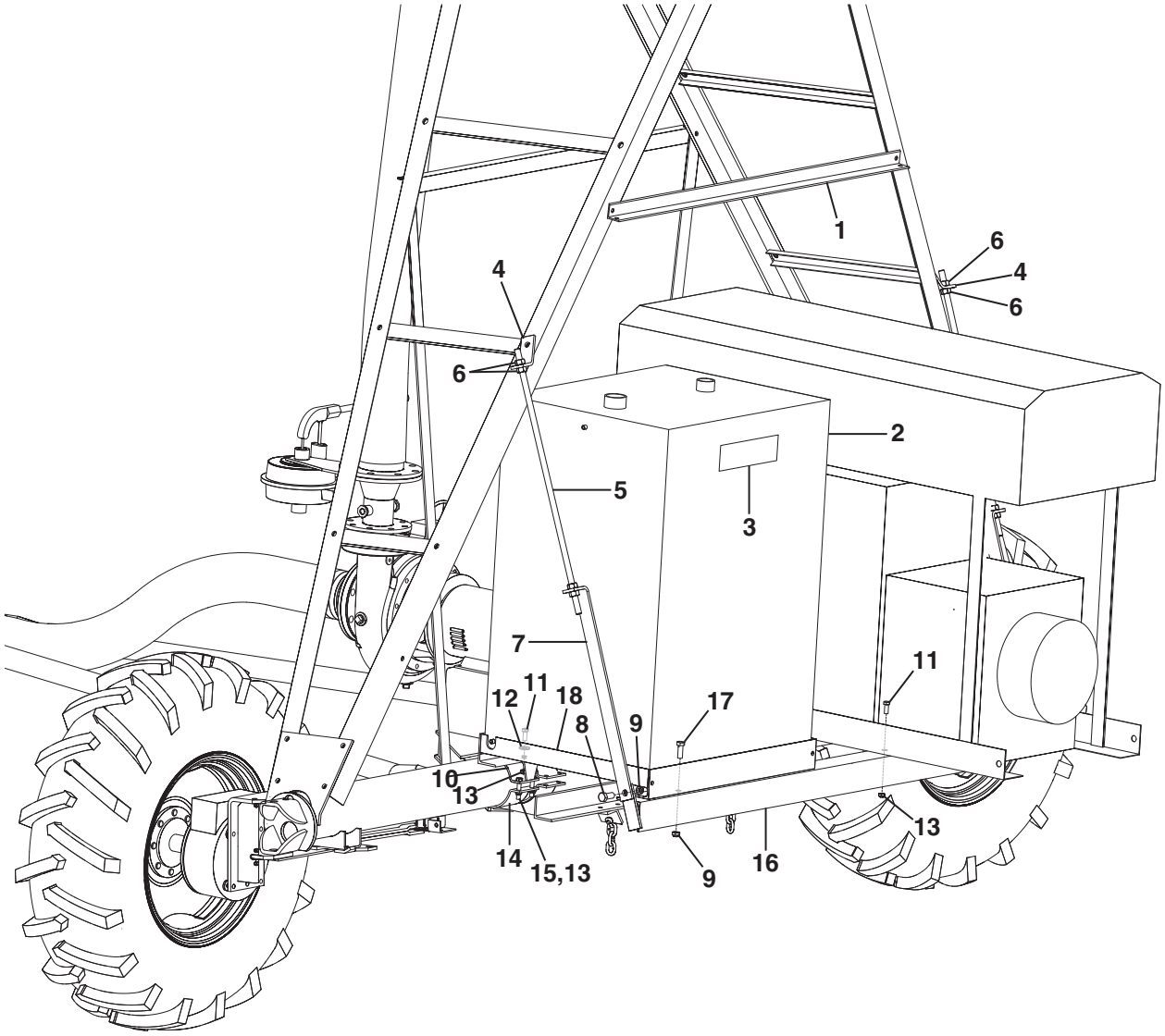
ITEM	DESCRIPTION	PART #
16	Ground Rod	0314910
17	Ground Clamp	0314911
18	Ground Wire	1701950
19	1/2" x 4" Cap Screw	0161020
20	1/2" Lock Nut	0133005
21	1/2" x 1" Cap Screw	0161028
22	30 Amp Plug & Cord	1811856
23	Plug - 30 Amp	0315757
24	Double Eye Cord Grip	0315817
25	Power Cable - 450'	0315816
26	Single Eye Cord Grip	0315504
27	Cup Cap	0315780
28	Cord Anchor Cable	1732259
29	Decal - Danger	0992749
30	Decal - Safety Switch	0992748
31	3/16" Cable Clamp	0202016
32	1/8" Cable Thimble	0992367

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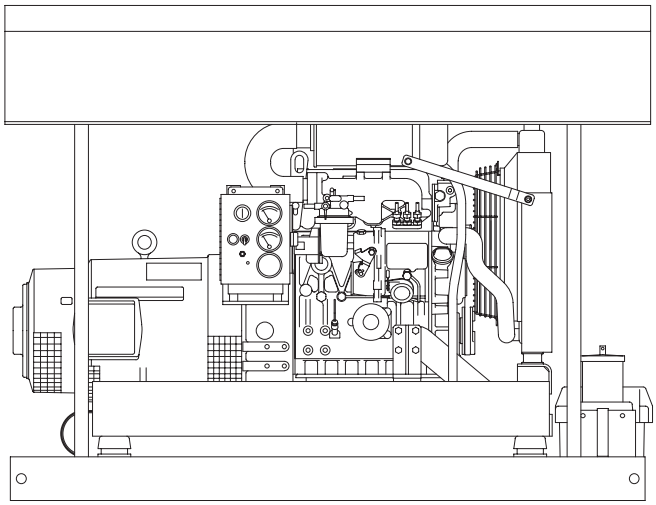
DESCRIPTION	PART #
4RB Cornell with 10 HP Motor 8.0" Impeller	0998023
4RB Cornell with 15 HP Motor 8.5" Impeller	0998065
4RB Cornell with 20 HP Motor 9.0" Impeller - OBSOLETED Apr 2017	0998066
4RB Cornell with 20 HP Motor 9.5" Impeller	0998067
4RB Cornell with 25 HP Motor 10.0" Impeller	0998079
4RB Cornell with 25 HP Motor 10.5" Impeller	0998080
4RB Cornell with 30 HP Motor 11.0" Impeller	0998155

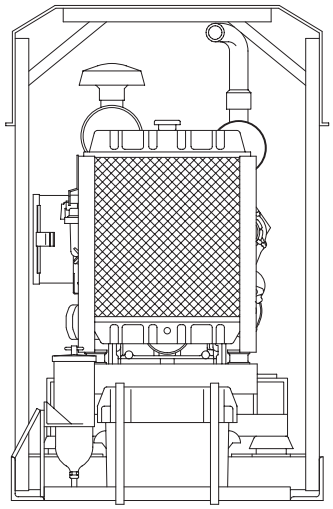
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ITEM	DESCRIPTION	PART #
1	Truss Angle Spreader	9360188
2	200 gal. Fuel Tank	0995698
3	Fuel Tank Decal - Caution	0991691
4	Engine Support - Top	1732327
5	3/4" Threaded Rod	0036024
6	3/4" Hex Nut	0131008
7	Engine Support - Bottom	9332012
8	3/4" x 1-3/4" Cap Screw	0161139
9	5/8" Lock Nut	0133010
10	4-Wheel Engine Mounting Clamp Assm.	1781480
11	1/2" x 1-1/4" Cap Screw	0161027
12	1/2" Flat Washer	0142026
13	1/2" Lock Nut	0133005
14	6-5/8" Half Clamp	1700622
15	1/2" x 2-1/2" Cap Screw	0161023
16	Generator / Fuel Support Angle Assm.	9363762
17	5/8" x 1-3/4" Cap Screw	0161088
18	Fuel Tank Support	9330190

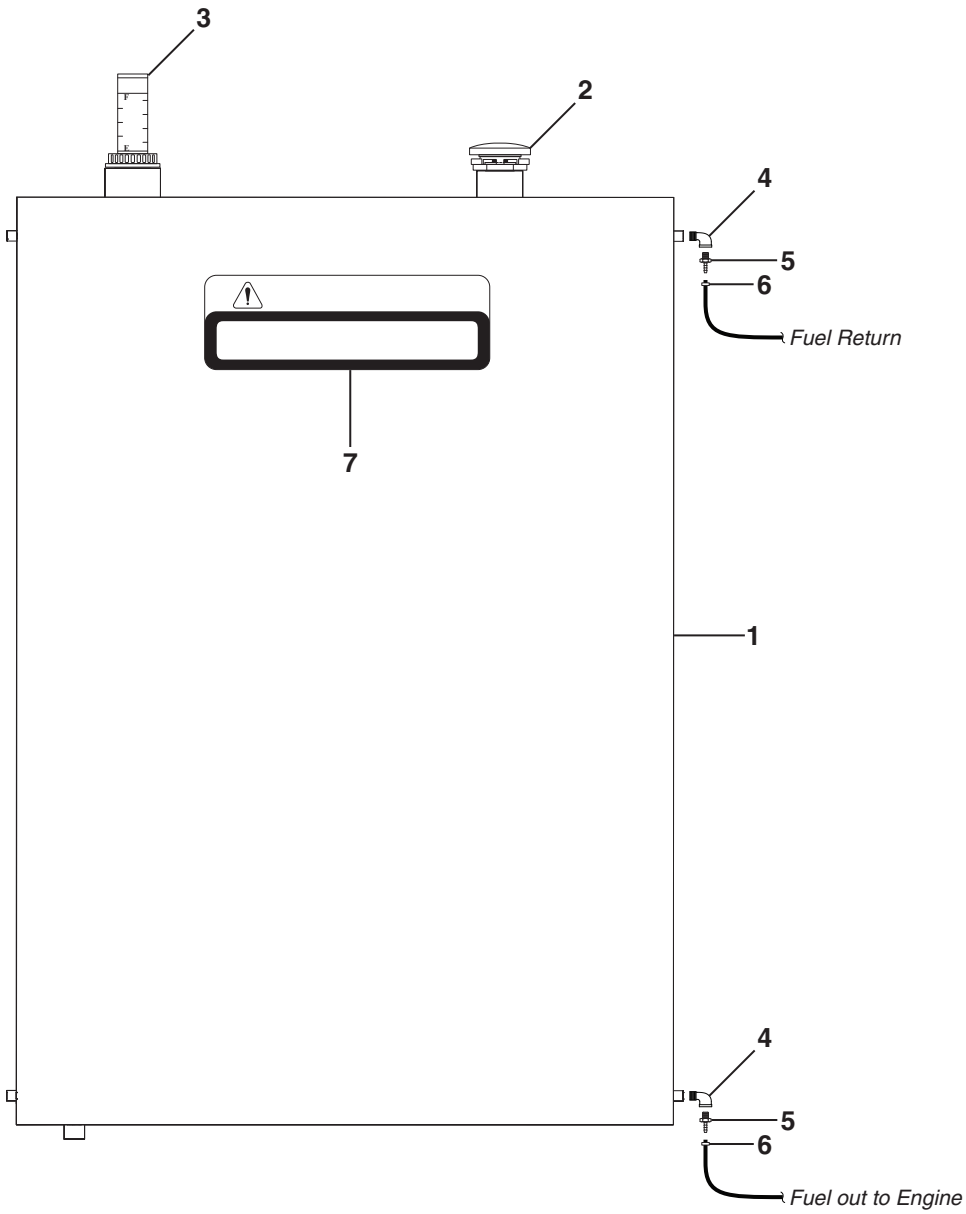
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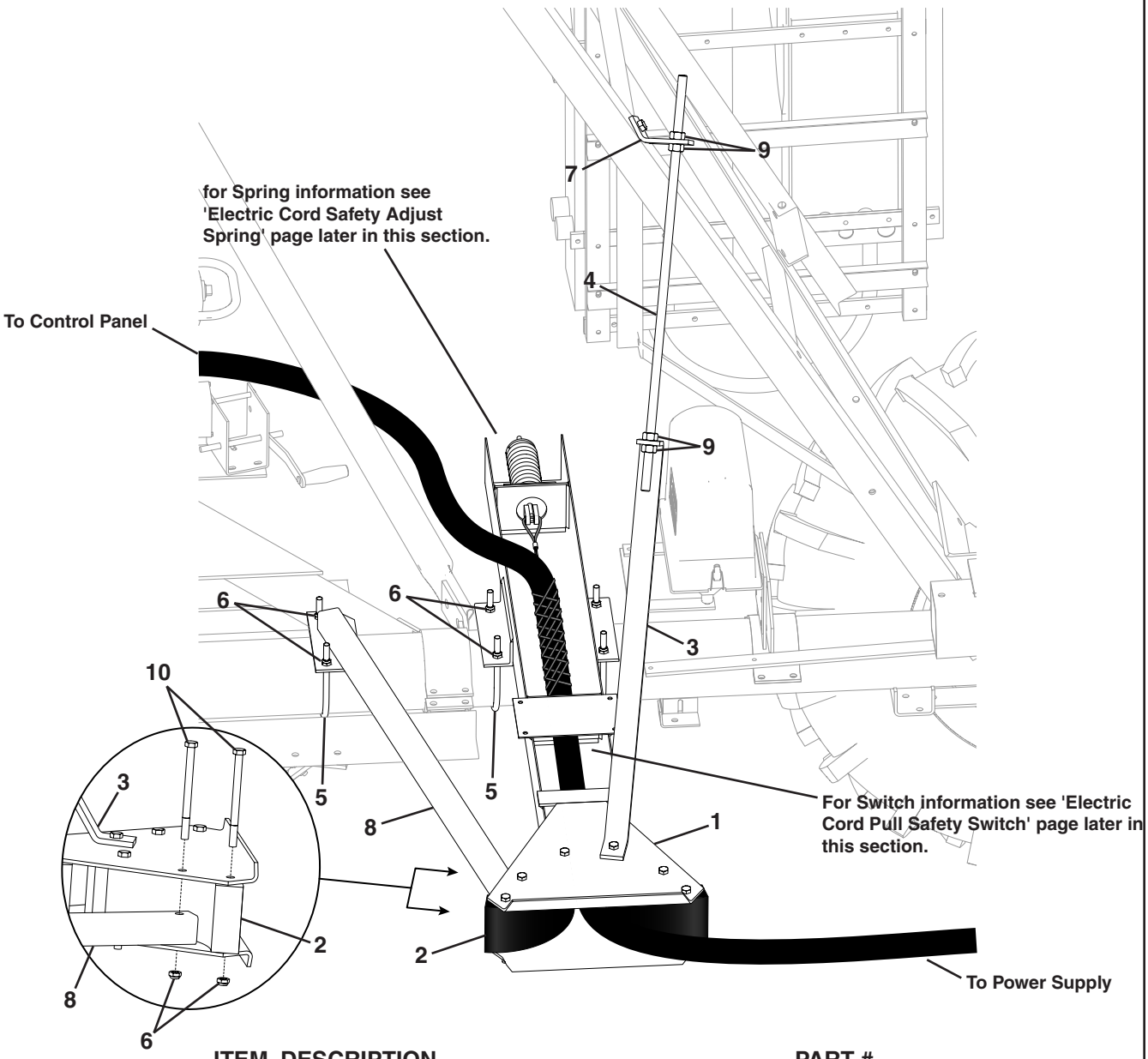
DESCRIPTION	FRAME SIZE	PART #
12 KW - Isuzu	Small	0996210
15 KW - Isuzu	Large	0996211
18 KW - Isuzu	Large	0996235
20 KW - John Deere	Large	0996805
25 KW - John Deere	Large	0996806
30 KW - John Deere	Large	0996807
40 KW - John Deere - Tier I	Large .. OBSOLETED Apr 17	0996134
40 KW - John Deere - Tier III	Large	0998162
12 KW - Yanmar	Large	0997812
15 KW - Yanmar	Large	0997813
20 KW - Yanmar	Large	0997814
12 KW - Perkins	Large	0997368
15 KW - Perkins	Large	0997369
19 KW - Perkins	Large	0997370
5 KW - Kubota	Small	0980203
7.5 KW - Kubota	Small	0980204
10 KW - Kubota	Small	0980205
12 KW - Kubota	Small	0980206
15 KW - Kubota	Small	0980207
20 KW - Kubota	Large	0980208
30 KW - Kubota	Large	0980209

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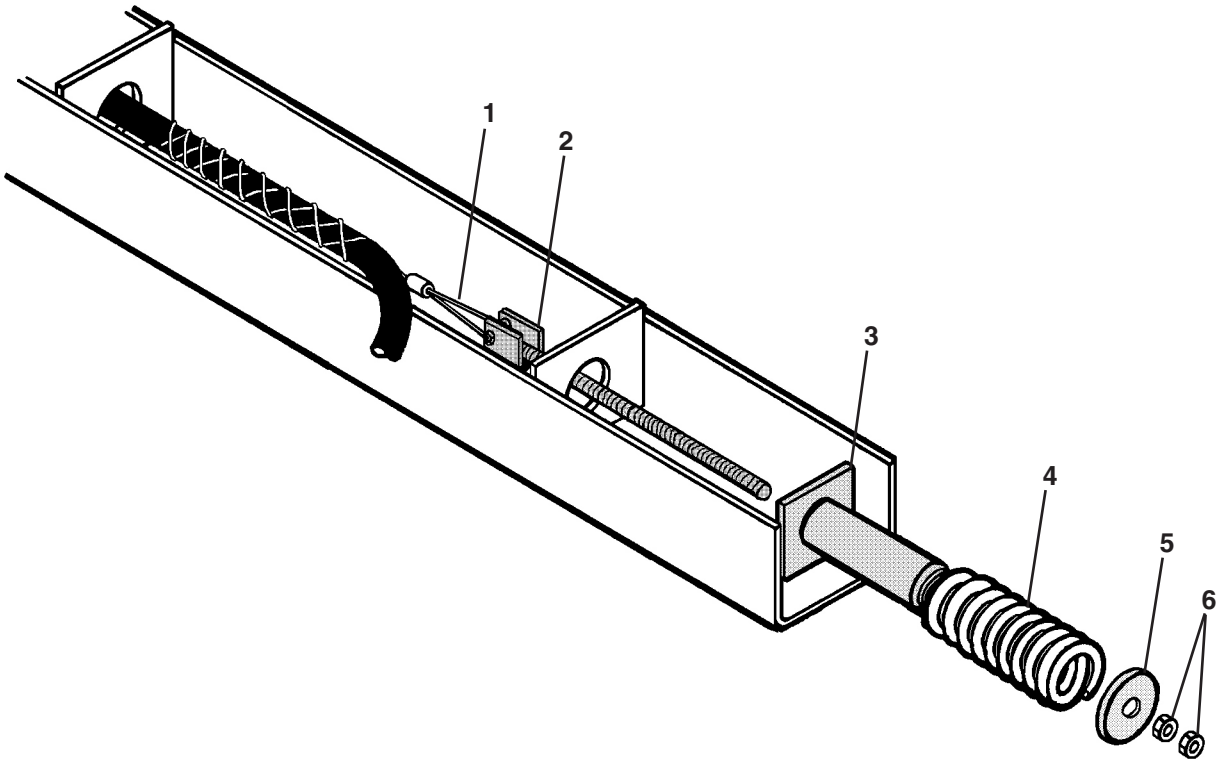
ITEM	DESCRIPTION	PART #
1	200 gal. Fuel Tank	0995698
2	Fuel Cap	0992219
3	Fuel Gauge w/Float	0992765
4	1/4" NPT Street Elbow - 90°	0995201
5	1/4" Hose Barb	0995203
6	1/4" - 5/8" Clamp	0272018
7	Decal - Caution	0991691

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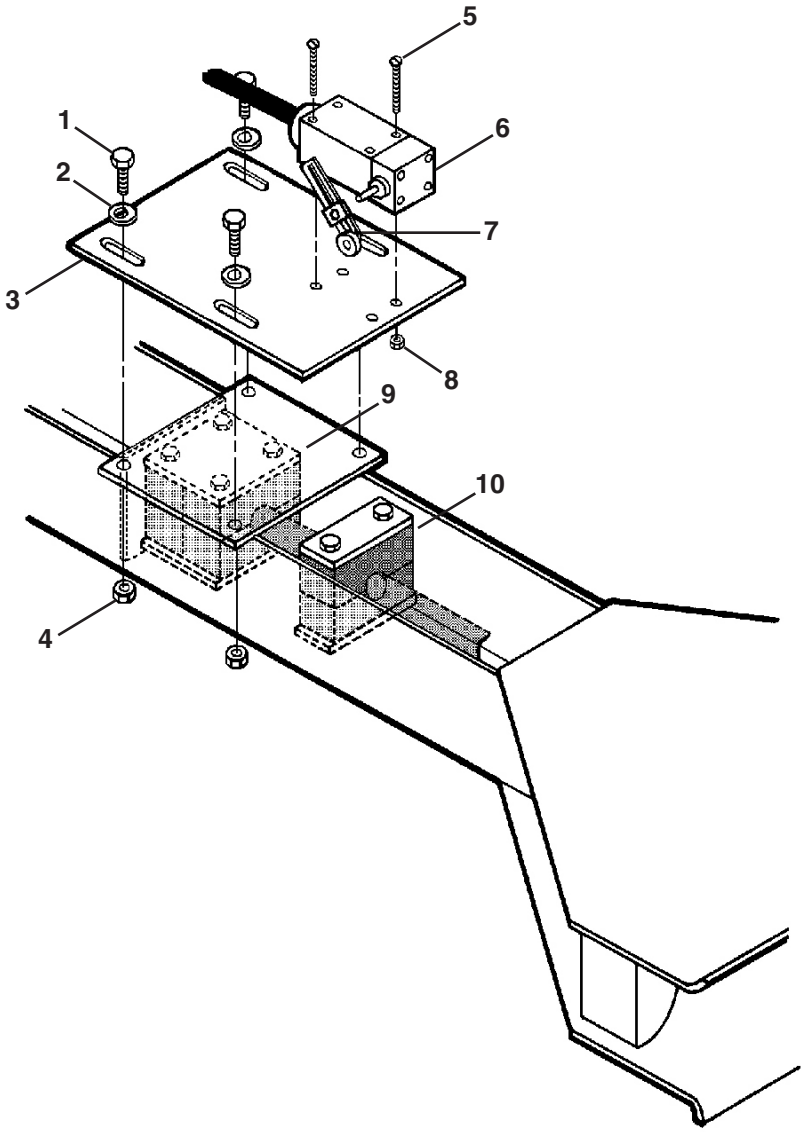
ITEM	DESCRIPTION	PART #
1	Cord Drag Channel Assm. - 100 amp	9364452
	Cord Drag Channel Assm. - 60 amp	9332227
2	Bumper - 100 amp	9363711
	Bumper - 60 amp	1732258
3	Cord Drag Bracket	9332013
4	3/4" x 3" Rod	0036024
5	U-Bolt	1781277
6	1/2" Lock Nut	0133005
7	Support Bracket - Top	1732327
8	Cord Drag Brace Assm.	9364453
9	3/4" Hex Nut	0131008
10	1/2" x 6-1/2" Cap Screw - 100 amp	0161431
	1/2" x 4-1/2" Cap Screw - 60 amp	0161110

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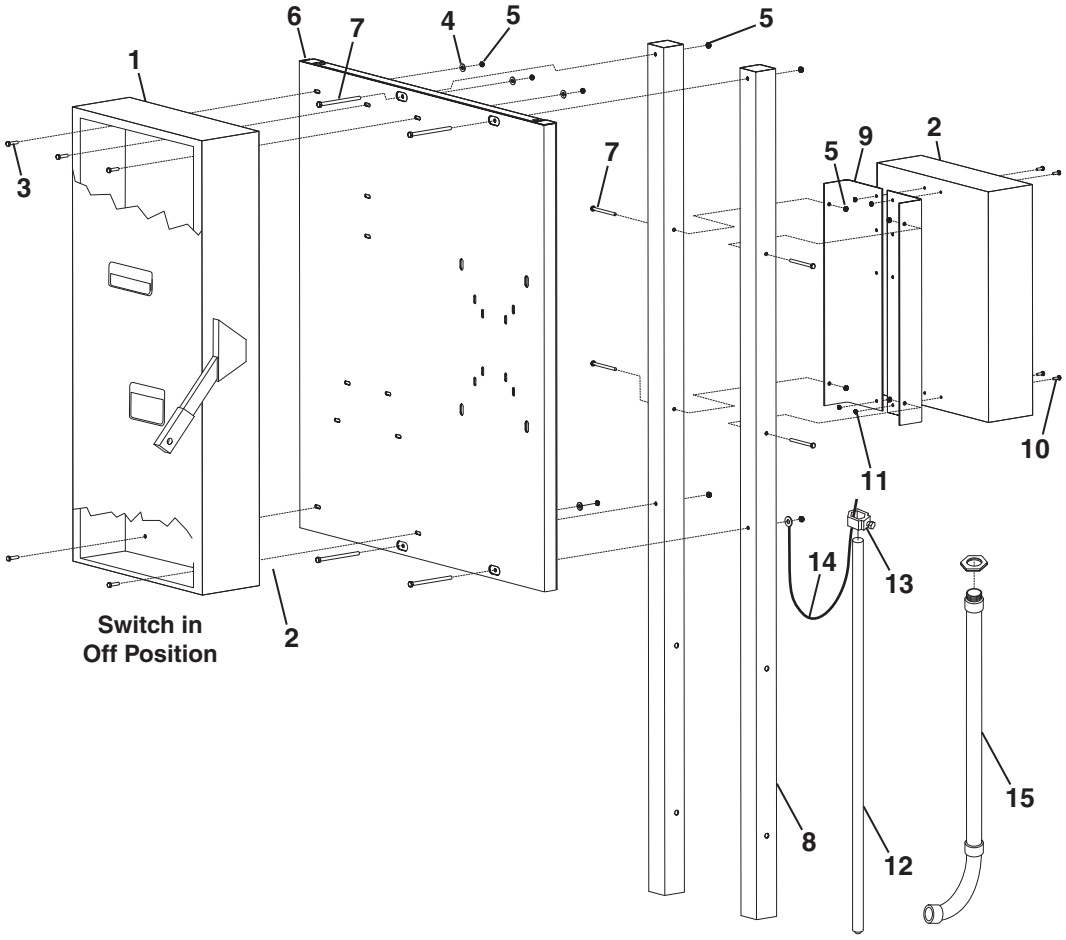
ITEM	DESCRIPTION	PART #
1	Cable Support Grip - 100 amp	03E2893
	Cable Support Grip - 60 amp	0315504
2	Spring Adjuster	1732272
3	Spring Guide Assm. - 100 amp	9363718
	Spring Guide Assm. - 60 amp	1732275
4	Roll Brake Spring - 100 amp	0997984
	Roll Brake Spring - 60 amp	1900139
5	Spring Keeper	1732260
6	3/8" Hex Nut	0131018

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ITEM	DESCRIPTION	PART #
1	5/16" X 1" Cap Screw	0161052
2	5/16" Flat Washer	0142017
3	Switch Mount - 100 amp	9363734
	Switch Mount - 60 amp	1732262
4	5/16" Lock Nut	0133007
5	#10 x 2-1/2" Round Head Machine Screw	0164083
6	Limit Switch Assembly	1811451
7	Adjustable Switch Arm	0315802
8	#10 Hex Nut	0131055
9	Large Cord Block - 100 amp	03E2905
	Large Cord Block - 60 amp	0315800
10	Small Cord Block - 100 amp	03E2904
	Small Cord Block - 60 amp	0315801

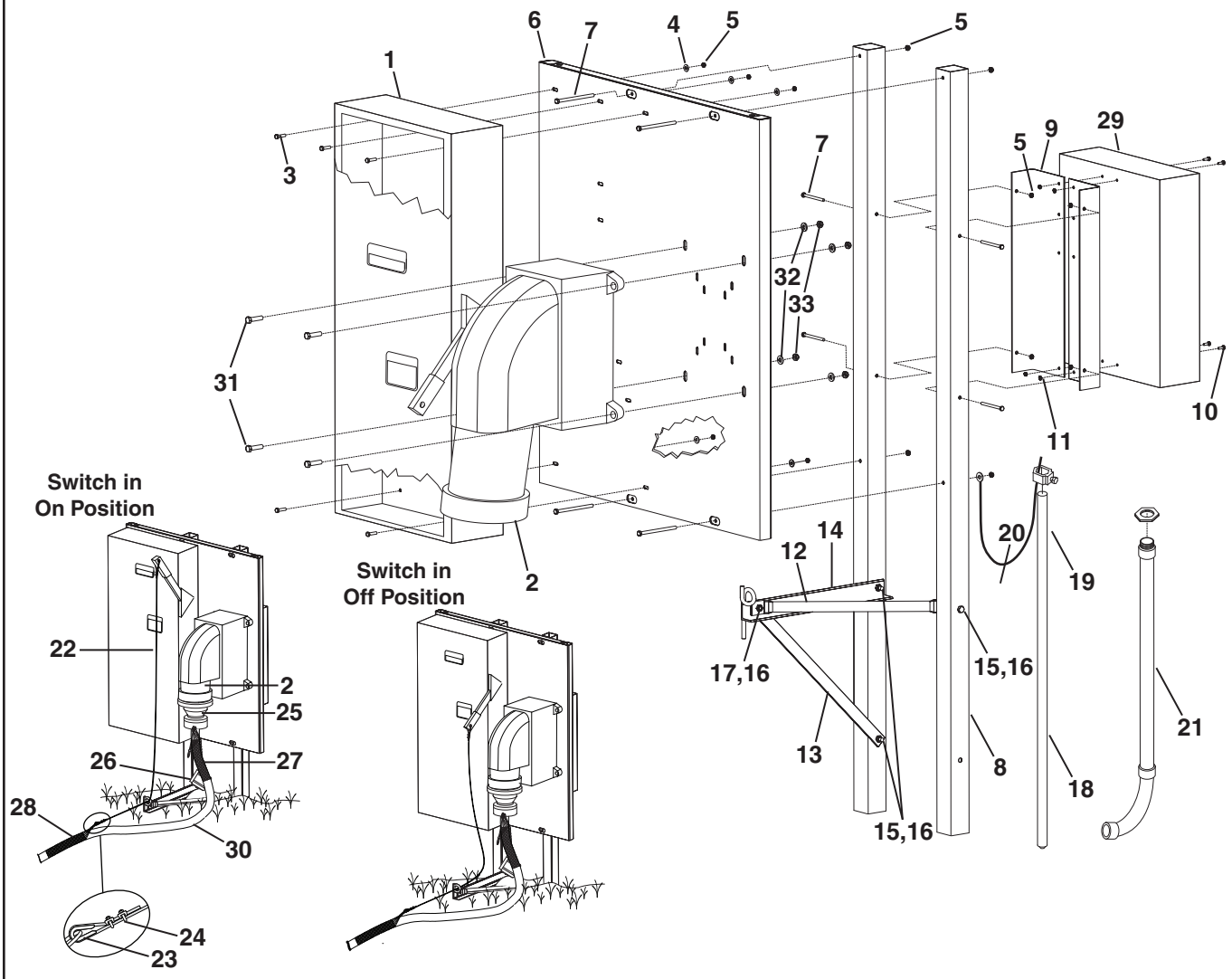
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ITEM	DESCRIPTION	PART #
1	Disconnect Box - 60 Amp	03E2926
	- 100 Amp	03E2532
2	Junction Box - 200 Amp (for 60A & 100A)	03E2886
3	5/16" x 1-1/4" Cap Screw	0161051
4	5/16" Flat Washer	0142017
5	5/16" Lock Nut	0133007
6	Pedestal Panel Assm	9363726
7	5/16" x 4" Cap Screw	0161181
8	Vertical Mounting Tube	9363720
9	Junction Box Mount	9363723
10	1/4" x 3/4" Cap Screw	0161057
11	1/4" Lock Nut	0133008
12	Ground Rod	0314910
13	Ground Clamp	0314911
14	Ground Wire	1701950
15	Conduit	1811891

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Functional Area	Assembly / Part	Rev# 08-14
Power Supply - Ditch Feed	Power Pedestal	



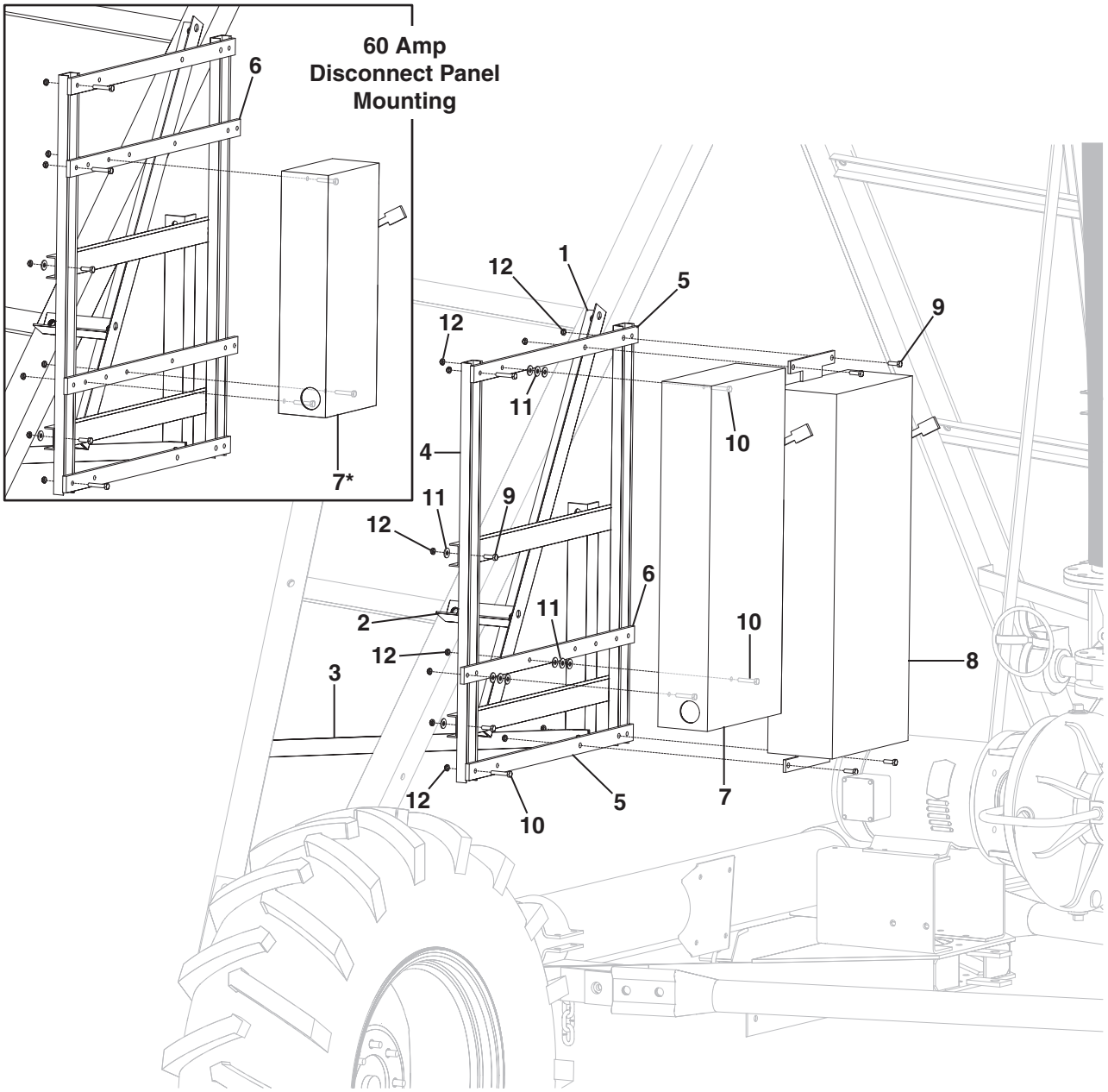
ITEM	DESCRIPTION	PART #
1	Disconnect Box - 60 Amp	03E2926
	- 100 Amp	03E2532
2	Receptacle - 60 Amp	03E2922
	- 100 Amp	03E2923
3	5/16" x 1-1/4" Cap Screw	0161051
4	5/16" Flat Washer	0142017
5	5/16" Lock Nut	0133007
6	Pedestal Panel Assm.	9363726
7	5/16" x 4" Cap Screw	0161181
8	Vertical Mounting Tube	9363720
9	Junction Box Mount	9363723
10	1/4" x 3/4" Cap Screw	0161057
11	1/4" Lock Nut	0133008
12	Horizontal Brace	1732285
13	Vertical Brace	1732287
14	Cable Anchor Assm.	9363727
15	1/2" x 4" Cap Screw	0161020
16	1/2" Lock Nut	0133005
17	1/2" x 1" Cap Screw	0161028
18	Ground Rod	0314910
19	Ground Clamp	0314911

ITEM	DESCRIPTION	PART #
20	Ground Wire	1701950
21	Conduit	1811891
22	Cord Anchor Cable	1732259
23	Cable Thimble	0992367
24	3/16" Cable Clamp	0202016
25	Male Plug w/Bushing - 60A 4Ga.	03E2912
	- 100A 1Ga.	03E2914
26	Cup Cap - 60 Amp	03E2900
	- 100 Amp	03E2919
27	Double Eye Cord Grip - 60A 4Ga.	03E2888
	- 100A 1Ga.	03E2889
28	Offset Eye Cord Grip - 60A 4Ga.	03E2892
	- 100A 1Ga.	03E2893
29	Junction Box - 200 Amp (for 60A & 100A)	03E2886
30	See Cable Chart on following page.	

HARDWARE USED BELOW DETERMINED BY RECEPTACLE SIZE

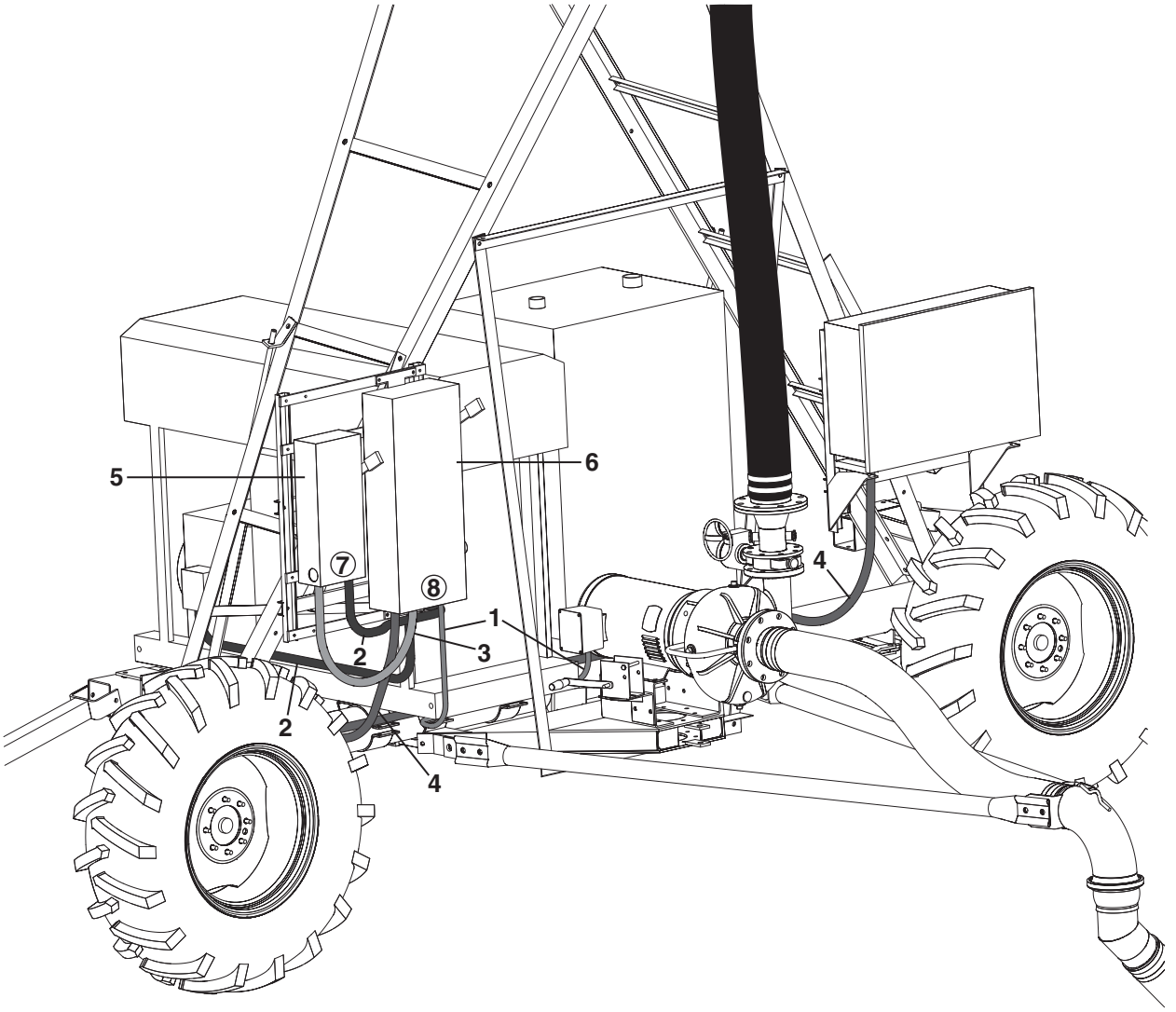
31	5/16" x 1-1/4" C.S. (60A, 100A & 200A Panels)	0161051
32	5/16" Flat Washer (60A & 100A Panels)	0142017
33	5/16" Lock Nut (60A & 100A Panels)	0133007

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ITEM	DESCRIPTION	PART #
1	Reverse Panel Mount Assm.	9363772
2	Brace Angle	9360305
3	Panel Mount Brace	9361518
4	Panel Mount Channel	9363768
5	Panel Mount Bar	9363769
6	Panel Mount Bar	9363770
7	Disconnect Panel - 100 Amp	03E2532
	* Disconnect Panel - 60 Amp	03E2926
8	Pump Panel - 10 HP	9310382
	Pump Panel - 25 HP	9310383
	Pump Panel - 30 HP	9311861
9	5/16" x 1" Cap Screw	0161052
10	5/16" x 1-3/4" Cap Screw	0161095
11	5/16" Flat Washer	0142017
12	5/16" Lock Nut	0133007

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ITEM	DESCRIPTION	PART #
1	4 Cond. 10 Ga. - Pump Panel to Pump (10 HP)	9311813
	4 Cond. 8 Ga. - Pump Panel to Pump (15 HP)	9311814
	4 Cond. 6 Ga. - Pump Panel to Pump (20 & 25 HP)	9311815
2	Sealtite Assm. - Generator to Disconnect - 10 Ga. (up to 15 Kw)	1811171
	- 8 Ga. (up to 25 Kw)	1814922
	- 6 Ga. (up to 40 Kw)	1814921
3	Sealtite Assm. - Disconnect to Pump Panel - 8 Ga. (10 & 15 HP)	1814924
	- 6 Ga. (20 & 30 HP)	1814923
4	Sealtite Assm. - Pump Panel to Main Panel - 10 Ga. (10, 15, 20, 25 & 30 HP).	1814925
5	Disconnect Panel - 60 Amp (10, 15 & 20 HP)	03E2926
	- 100 Amp (25 & 30 HP)	03E2532
6	Pump Panel - (10 HP)	9310382
	- (15, 20 & 25 HP)	9310383
	- (30 HP)	9311861
7	Disconnect Fuse - 35 Amp	03E1913
	- 45 Amp	0315459
	- 60 Amp	03E1923
	- 70 Amp	03E1912
8	Pump Panel Fuse - 25 Amp	0314346
	- 35 Amp	03E1913
	- 45 Amp	0315459
	- 50 Amp	03E1911

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ADD & FREESTANDING SPANS
Model 8000
2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
6-5/8" Pipe - 30" & 108" Coupler Spacing		
30" & 108" Spacing Truss Package Locations	01-10	7-4
30" & 108" Spacing Truss Angle Packages	02-19	7-5
30" & 108" Spacing Pipe/Truss Rod Locations	01-10	7-6
30" & 108" Spacing Pipes/Truss Rods	01-10	7-7
30" & 108" Spacing Sprinkler Coupling Locations	01-10	7-8
30" & 108" Spacing Sprinkler Coupling Location Details	01-10	7-9
Assembly Details	01-10	7-10

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MODEL 8000

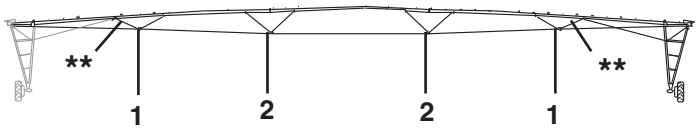
ADD & FREESTANDING SPANS
6-5/8" PIPE
30" & 108" COUPLER SPACING



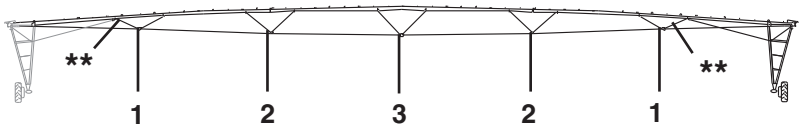
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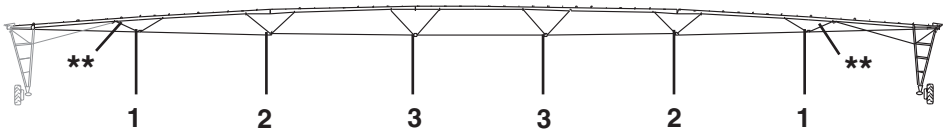
115' Span



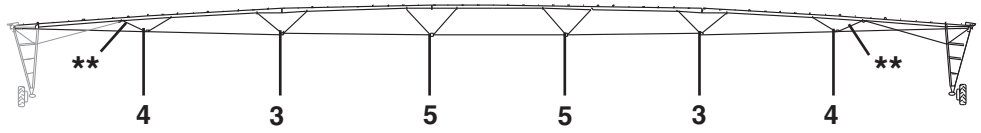
135' & 140' Span



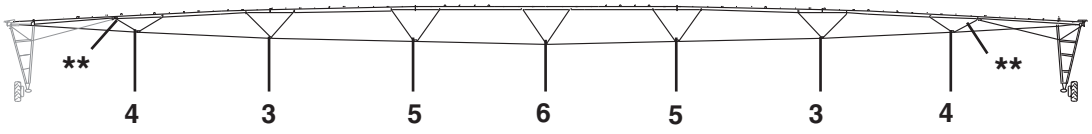
160' Span



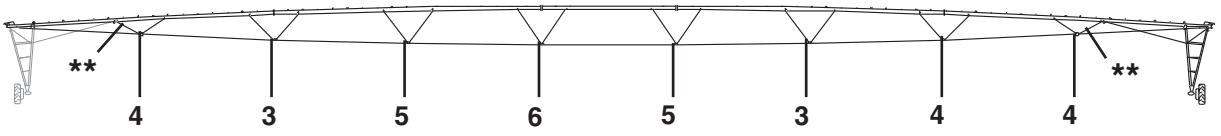
165' Freestanding Span Only



180', 185' & 187' Span



205' Span

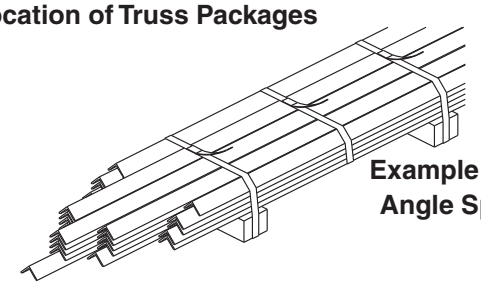


** **NOTE: This is the location of the longer diagonal with the I.D. hole.**

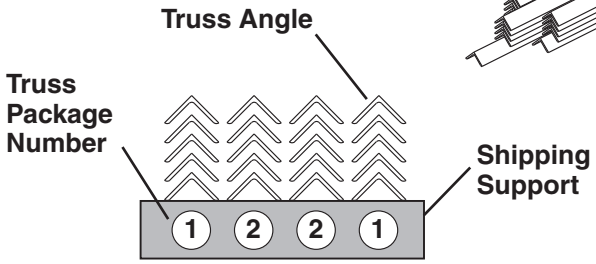
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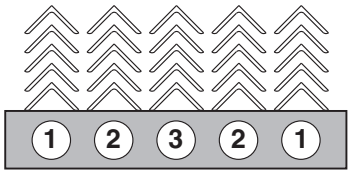
Reference Assembly Detail Page for Exact Location of Truss Packages



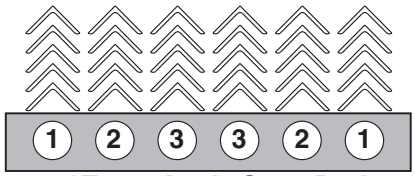
Example of 135' Truss Angle Span Packing



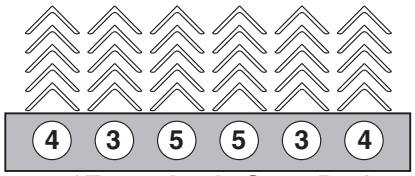
115' Truss Angle Span Pack (KA09116)



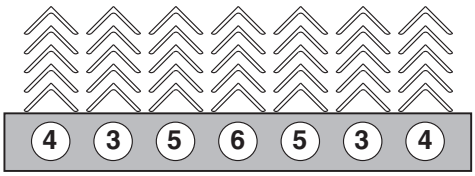
135' & 140' Truss Angle Span Pack (KA09023)



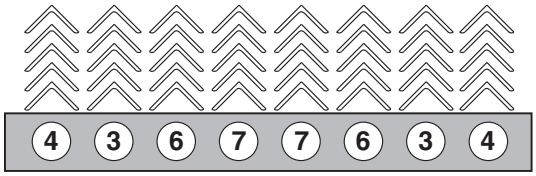
160' Truss Angle Span Pack (KA09024)



165' Truss Angle Span Pack (KA09050)



180', 185' & 187' Truss Angle Span Pack (KA09025)



205' Truss Angle Span Pack (KA09026)

NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

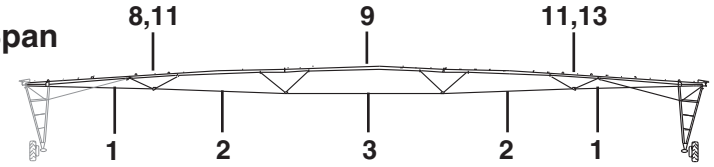
TRUSS PKG #	DIAGONAL			SPREADER		
	Part #	Overall Length Inches	cm	Part #	Overall Length Inches	cm
1	9360046**	58.42"	[148.4cm]	9360047	44.69"	[113.5cm]
	9360073	55.38"	[140.7cm]	-	-	-
2	9360048	72.97"	[185.3cm]	9360049	76.44"	[194.2cm]
3	9360050	82.78"	[210.3cm]	9360051	92.69"	[235.4cm]
4	9360052**	61.68"	[156.7cm]	9360053	52.25"	[132.7cm]
	9360074	58.81"	[148.6cm]	-	-	-
5	9360054	97.25"	[247.0cm]	9360055	115.03"	[292.2cm]
6	9360056	102.56"	[260.5cm]	9360057	122.94"	[312.3cm]
7	9360058	112.09"	[284.7cm]	9360059	136.84"	[347.6cm]

**** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.**

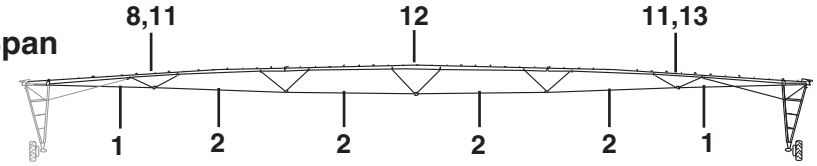
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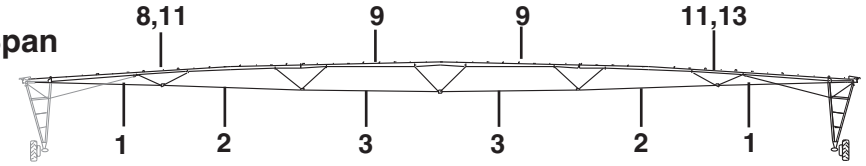
115' Span



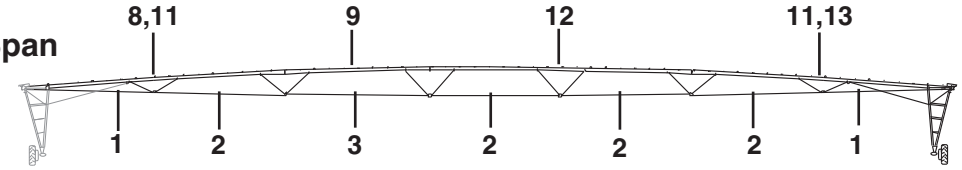
135' Span



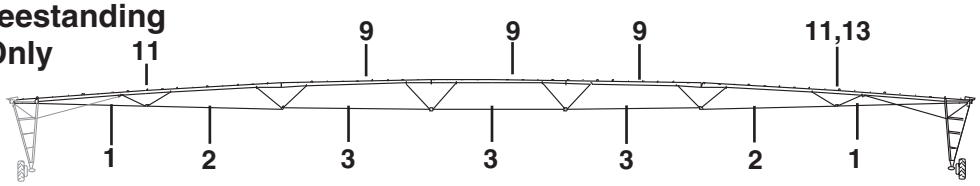
140' Span



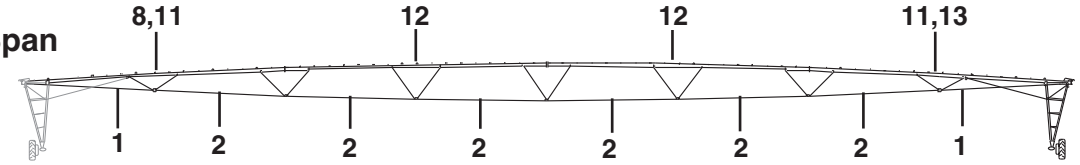
160' Span



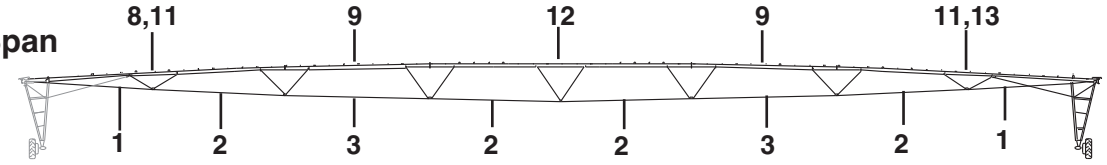
165' Freestanding Span Only



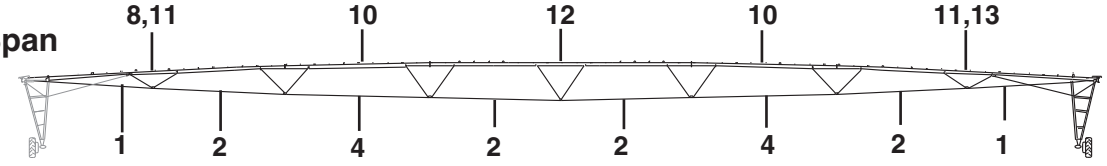
180' Span



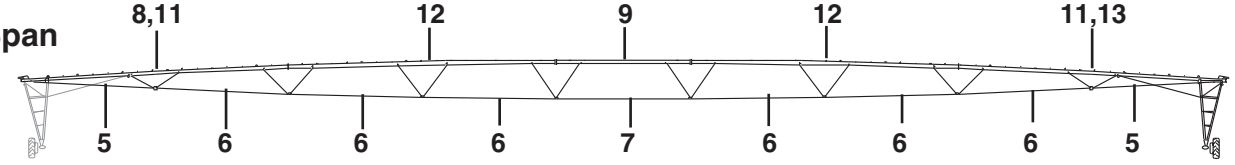
185' Span



187' Span



205' Span



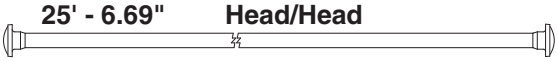
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MODEL 8000

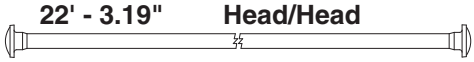
1 **20' - 11.94" Head/Head**  **Yellow 3/4" 9360060**

2 **22' - 2.97" Head/Head**  **No Color 3/4" 9360061**

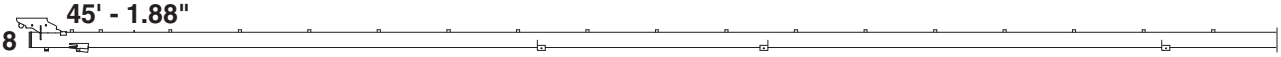
3 **24' - 7.44" Head/Head**  **Blue 3/4" 9360062**

4 **25' - 6.69" Head/Head**  **Black 3/4" 9360063**

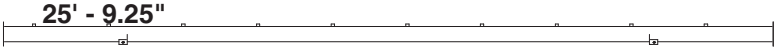
5 **21' - 0" Head/Head**  **Orange 13/16" 9360064**

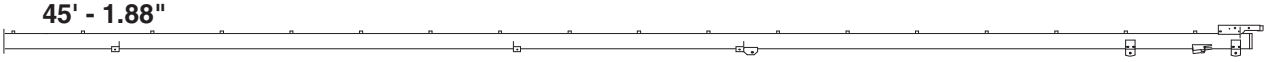
6 **22' - 3.19" Head/Head**  **Red 13/16" 9360065**

7 **24' - 7.12" Head/Head**  **Green 13/16" 9360066**

8 **45' - 1.88"** 

9 **24' - 10.00"** 

10 **25' - 9.25"** 

11 **45' - 1.88"** 

12 **44' - 10.75"** 

13 **44' - 10.75"** 

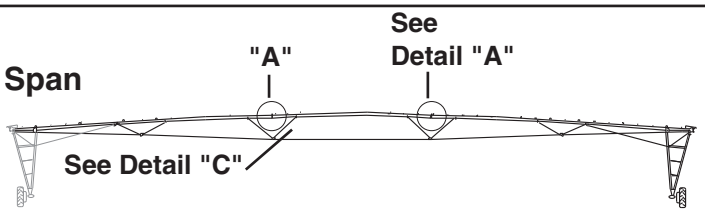
Item	Description	Part #	
		30"	108"
8	Swivel Pipe (45'-1.88")	9360022	9360012
9	25' Short Intermediate Pipe (24'-10.00")	9360018	9360004
10	26' Short Intermediate Pipe (25'-9.25")	9360019	-
11	Fixed Pipe (45'-1.88")	9360021	9360010
12	45' Standard Intermediate Pipe (44'-10.75")	9360020	9360008
13	Last Pipe (44'-10.75")	9360024	9360016

NOTE: Two (2) fixed pipes and drive units are required on all freestanding spans.

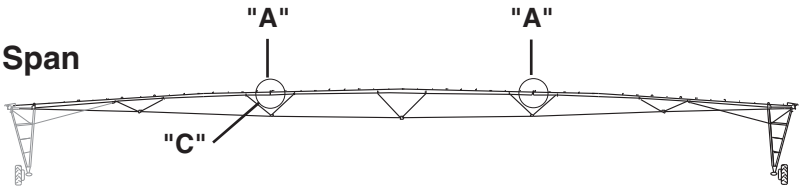
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MODEL 8000

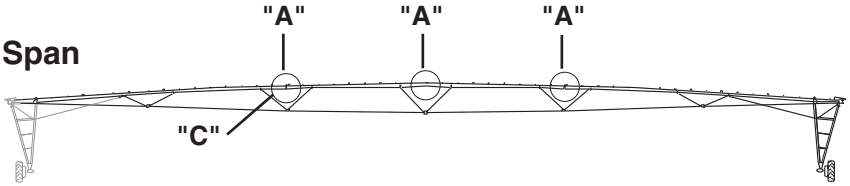
115' Span



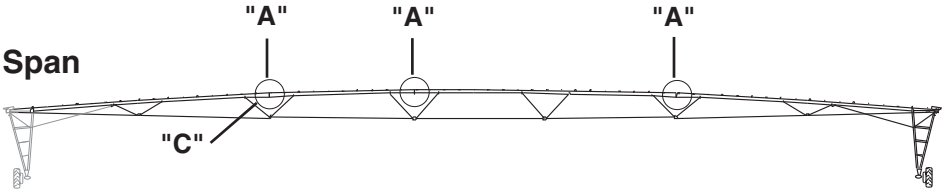
135' Span



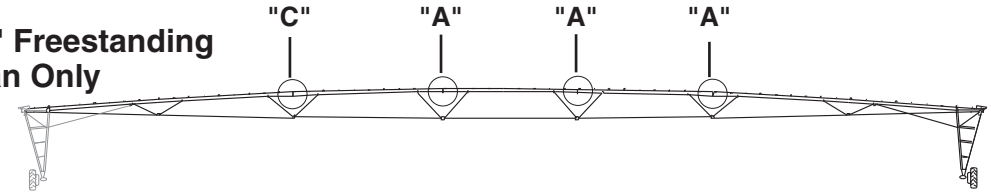
140' Span



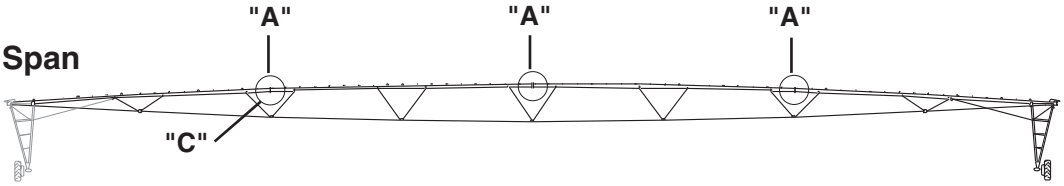
160' Span



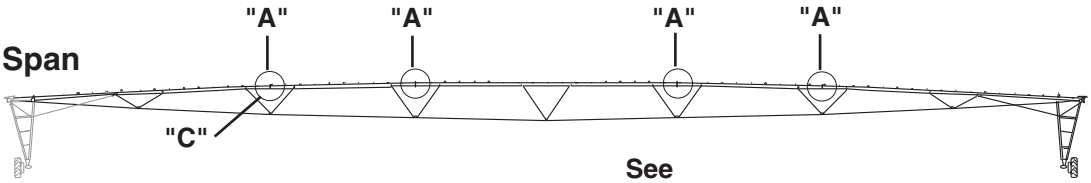
165' Freestanding Span Only



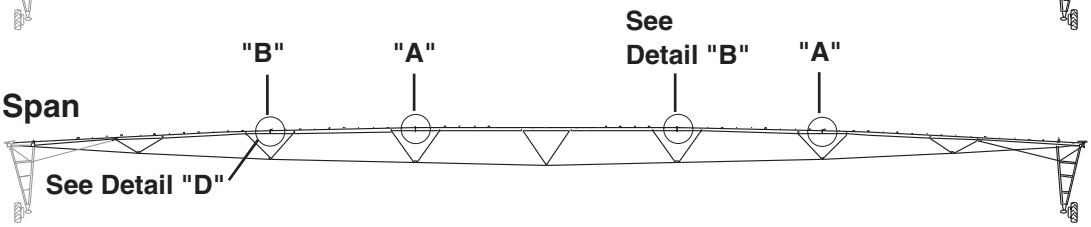
180' Span



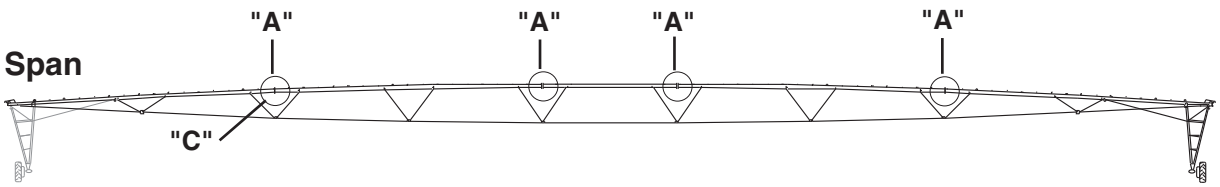
185' Span



187' Span



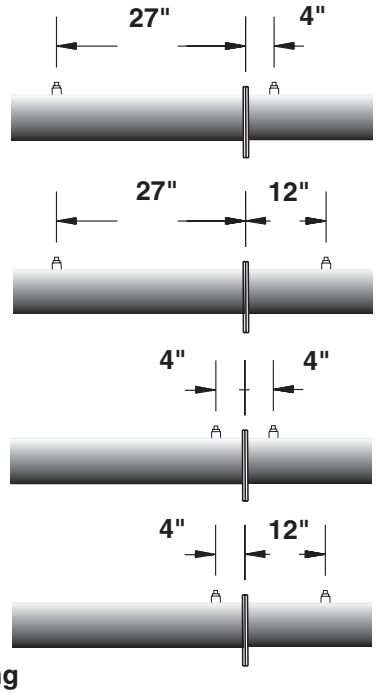
205' Span



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MODEL 8000

30" Spacing Details



Detail "A"

Detail "B"

Detail "C"

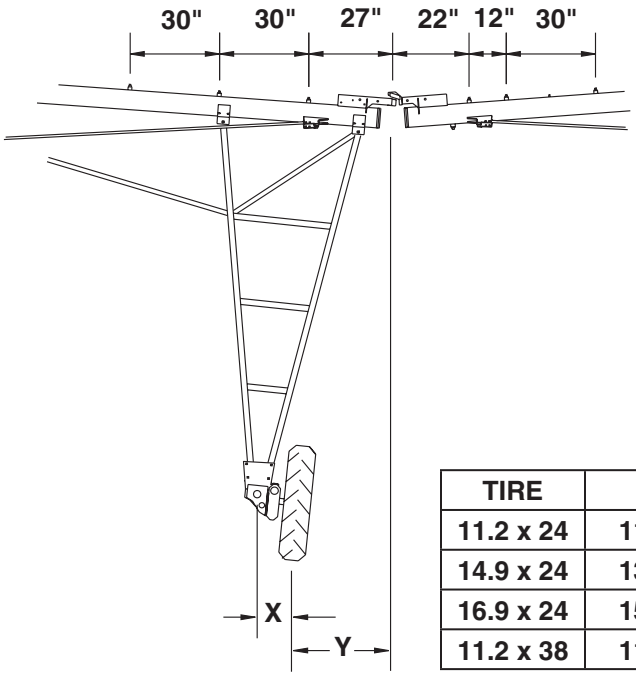
Freestanding
Span Only

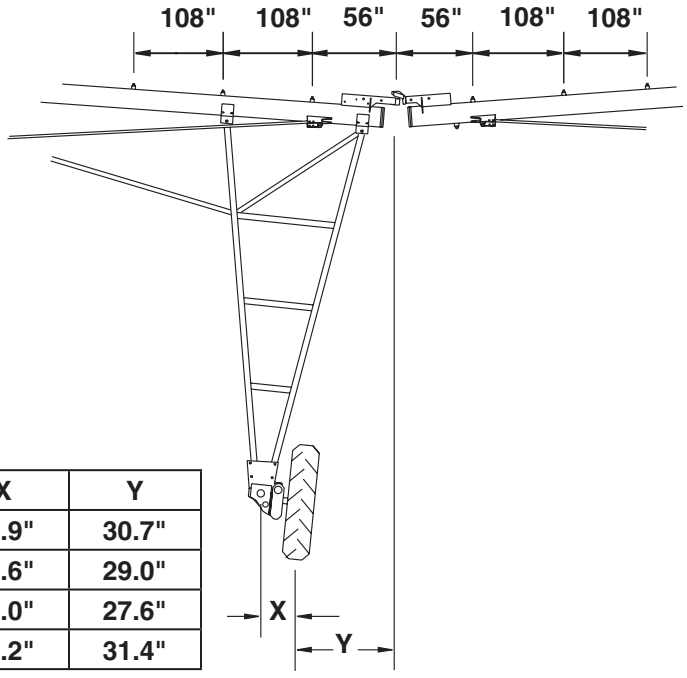
Detail "D"

187' Freestanding
Span Only

108" Spacing Detail

NOTE: Sprinkler outlets on all 108" spaced intermediate pipe are symmetrically spaced. Specific pipe orientation is not required for correct sprinkler installation.



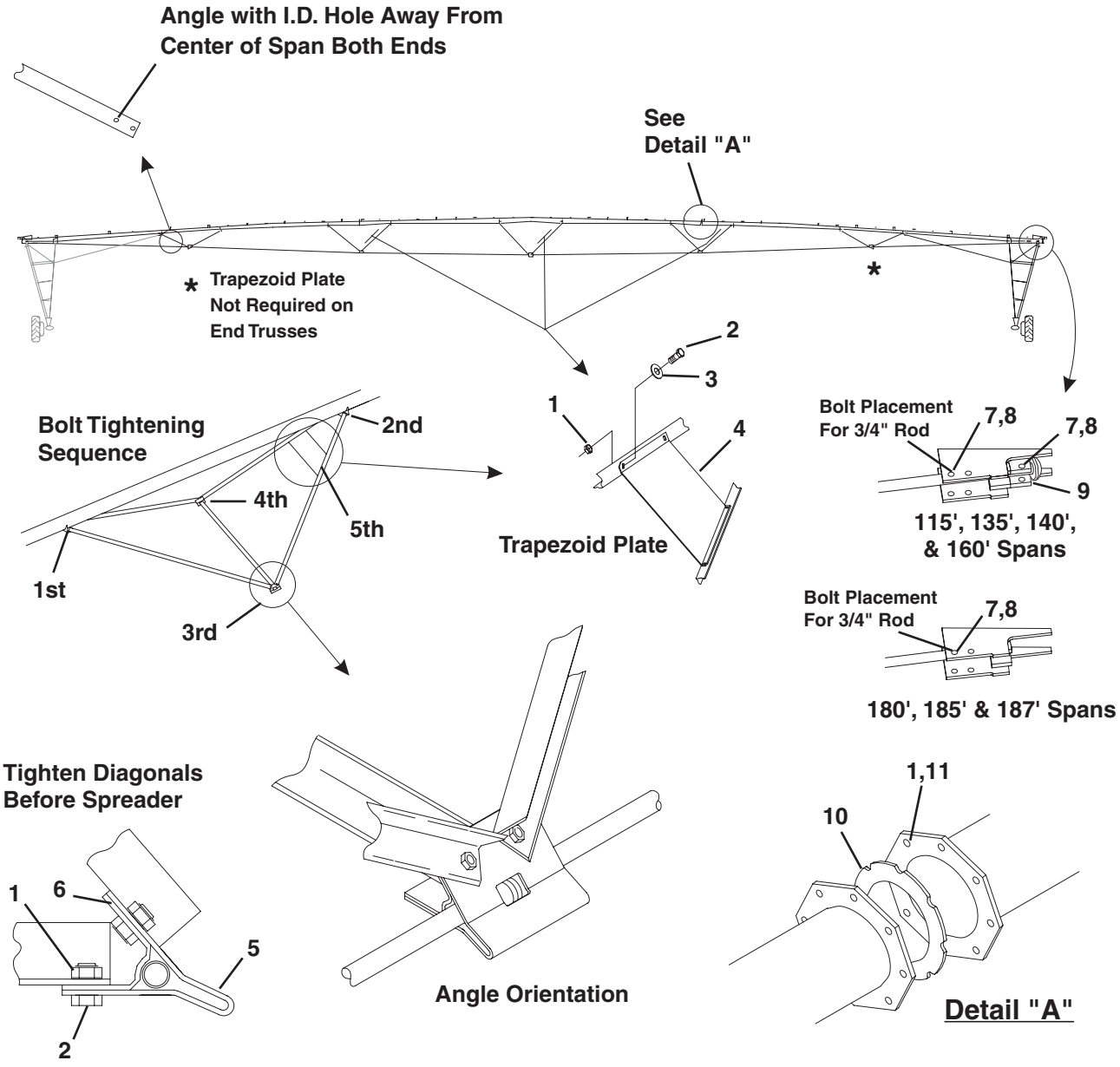


TIRE	X	Y
11.2 x 24	11.9"	30.7"
14.9 x 24	13.6"	29.0"
16.9 x 24	15.0"	27.6"
11.2 x 38	11.2"	31.4"

NOTE: The "Y" dimension can vary ±3.0" depending on span length and crown.

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MODEL 8000



ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	Truss Rod Spacer	9360080
10	6-5/8" Gasket	0991107
11	1/2" x 2" Cap Screw	0161024

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ADD & FREESTANDING SPANS

Model 8120

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
6-5/8" Pipe - 113.3"[287.8cm] & 75.5"[191.8cm] Coupler Spacing		
Truss Package Locations	01-10	8-4
Truss Angle Packages	01-10	8-5
Pipe/Truss Rod Locations - PRIOR to Feb. 2012	10-11	8-6
Pipes/Truss Rods - PRIOR to Feb. 2012	12-15	8-7
Pipe/Truss Rod Locations - EFFECTIVE Feb. 2012	02-12	8-8
Pipes/Truss Rods - EFFECTIVE Feb. 2012	12-15	8-9
113.3" Spacing Sprinkler Coupling Locations	01-10	8-10
113.3" Spacing Sprinkler Coupling Location Details	01-10	8-11
75.5" Spacing Sprinkler Coupling Locations	01-10	8-12
75.5" Spacing Sprinkler Coupling Location Details	01-10	8-13
Assembly Details	01-10	8-14
5" Pipe - 113.3"[287.8cm] & 75.5"[191.8cm] Coupler Spacing		
Truss Package Locations	01-10	8-16
Truss Angle Packages	01-10	8-17
Pipe/Truss Rod Locations - PRIOR to Feb. 2012	10-11	8-18
Pipes/Truss Rods - PRIOR to Feb. 2012	10-11	8-19
Pipe/Truss Rod Locations - EFFECTIVE Feb. 2012	02-12	8-20
Pipes/Truss Rods - EFFECTIVE Feb. 2012	02-12	8-21
113.3" Spacing Sprinkler Coupling Locations	01-10	8-22
113.3" Spacing Sprinkler Coupling Location Details	01-10	8-23
75.5" Spacing Sprinkler Coupling Locations	01-10	8-24
75.5" Spacing Sprinkler Coupling Location Details	01-10	8-25
Assembly Details	01-10	8-26
Pipeline Accessories		
Pipe Drain	02-13	8-28
Flanges & Gaskets	03-12	8-29
Flex Hose & Hitch Components	08-18	8-30
Forged Hitch Ball	03-12	8-31

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2WLAF820010
08-18

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MODEL 8120

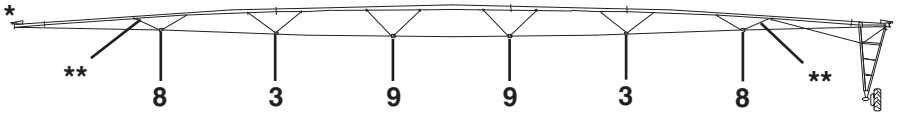
ADD & FREESTANDING SPANS
6-5/8" PIPE
113.3" & 75.5" COUPLER SPACING



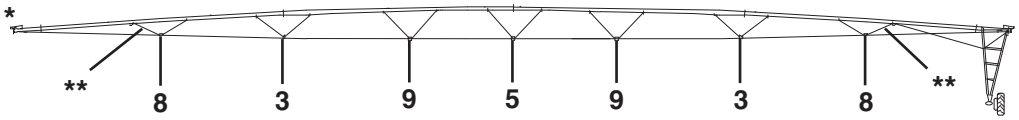
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MODEL 8120

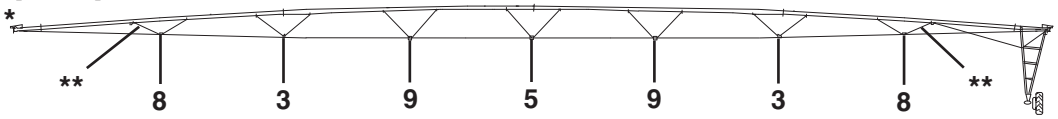
142.3' Span
[43.37m]



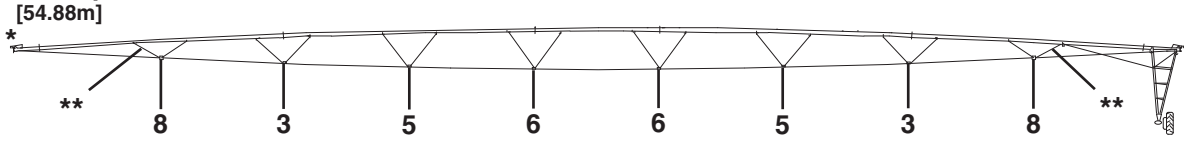
157.5' Span
[48.00m]



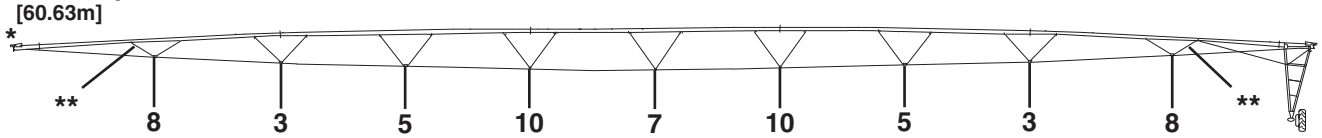
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]



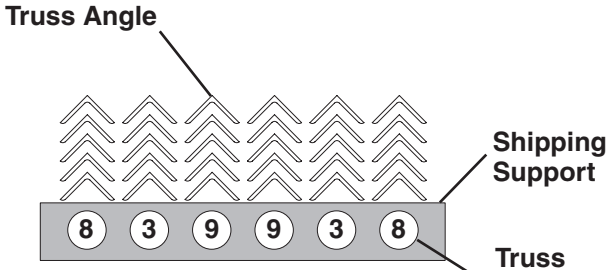
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

****** NOTE: Location of longer diagonal w/I.D. hole.**

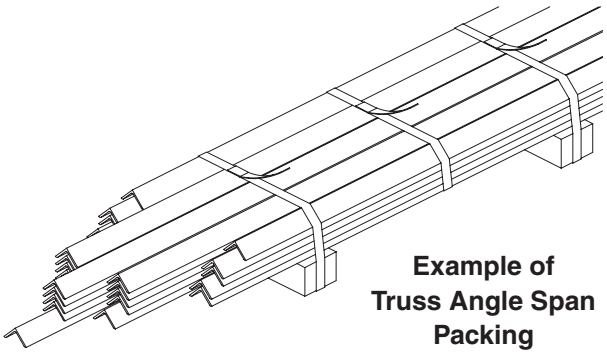
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MODEL 8120

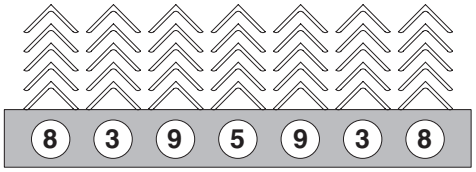
Reference Assembly Detail Page for Exact Location of Truss Packages



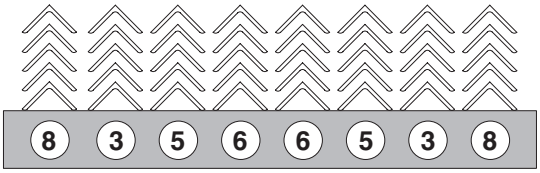
142.3'[43.37m] Truss Angle Span Pack (KA09283)



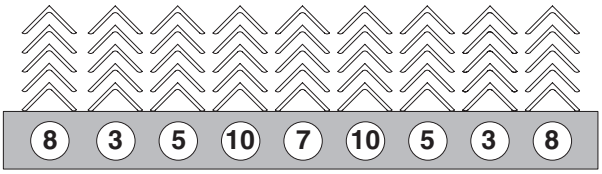
Example of Truss Angle Span Packing



157.5'[48.00m] & 161.2'[49.12m] Truss Angle Span Pack (KA09285)



180'[54.88m] Truss Angle Span Pack (KA09288)



198.9'[60.63m] Truss Angle Span Pack (KA09290)

NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

TRUSS PKG #	DIAGONAL			SPREADER		
	Part #	Overall Length Inches	cm	Part #	Overall Length Inches	cm
2	9360050	82.78"	[210.3cm]	9360051	92.69"	[235.4cm]
5	9360054	97.25"	[247.0cm]	9360055	115.03"	[292.2cm]
6	9360056	102.56"	[260.5cm]	9360057	122.94"	[312.3cm]
7	9360058	112.09"	[284.7cm]	9360059	136.84"	[347.6cm]
8	9360735**	63.36"	[160.9cm]	9360736	56.00"	[142.2cm]
	9360734	60.67"	[154.1cm]	-	-	-
9	9360706	92.71"	[235.5cm]	9360707	108.16"	[274.7cm]
10	9360704	108.50"	[275.6cm]	9360705	131.63"	[334.3cm]

**** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.**

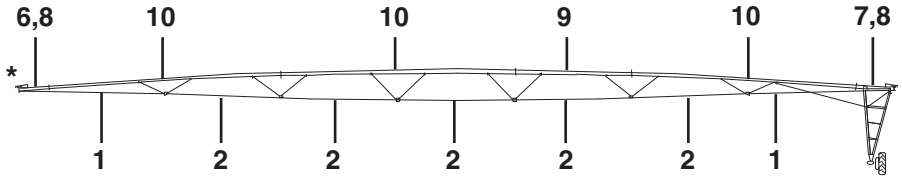
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Functional Area	Assembly / Part	Rev# 10-11
6-5/8" Pipe - 113.3" & 75.5" Spacing	Pipe/Truss Rod Locations	

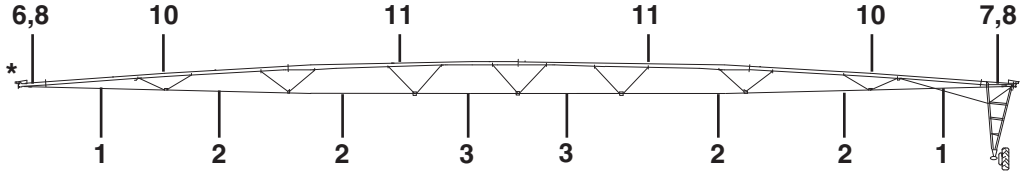
MODEL 8120

PRIOR to February 2012

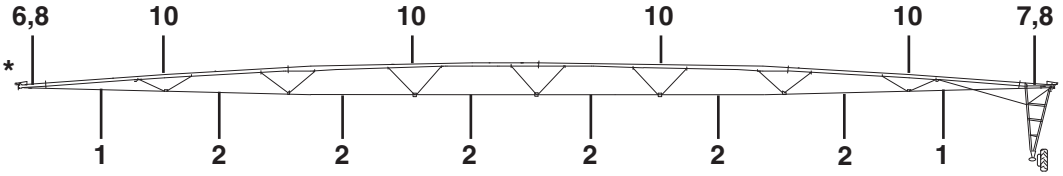
142.3' Span
[43.37m]



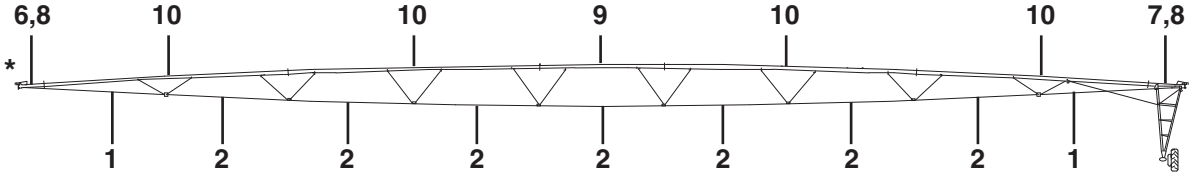
157.5' Span
[48.00m]



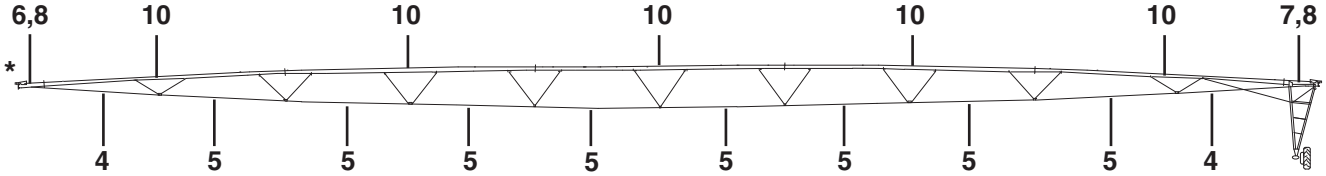
161.2' Span
[49.13m]



180' Span
[54.86m]



198.9' Span
[60.63m]

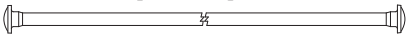


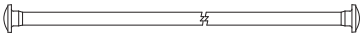
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

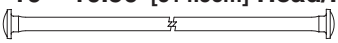
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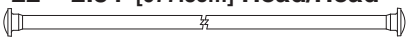
MODEL 8120

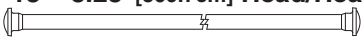
PRIOR to February 2012

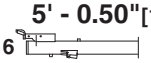
1 **22' - 2.84"[677.8cm] Head/Head**  **Purple 3/4" 9360683**

2 **18' - 8.28"[569.7cm] Head/Head**  **Gold 3/4" 9360682**

3 **16' - 10.56"[514.5cm] Head/Head**  **3/4" 9362511**

4 **22' - 2.84"[677.8cm] Head/Head**  **Brown 13/16" 9360718**

5 **18' - 8.28"[569.7cm] Head/Head**  **Flourescent Green 13/16" 9360719**

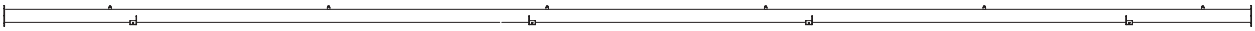
6 **5' - 0.50"[153.7cm]** 

7 **4' - 9.28"[145.5cm]** 

8 **5' - 0.50"[153.7cm]** 

9 **18' - 10.41"[575.1cm]** 

10 **37' - 9.00"[1150.6cm]** 

11 **35' - 11.25"[1095.4cm]** 

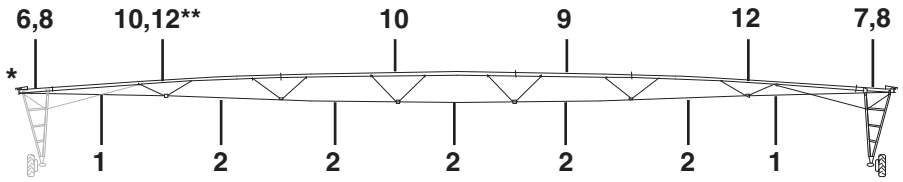
Item	Description	Part #	
6	Swivel Stub Pipe (5'-0.50")[153.7cm]	9360675	
7	Last Stub Pipe (4'-9.47")[145.9cm]	9360676	
8	Fixed Stub Pipe (5'-0.50")[153.7cm]	9360677	
		113"[287.8cm]	75.5"[191.8cm]
9	19' Intermediate Pipe (18'-10.41")[575.1cm]	9360684	9360685
10	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9360686	9360687
11	36' Intermediate Pipe (35'-11.25")[1095.4cm]	-	9362501

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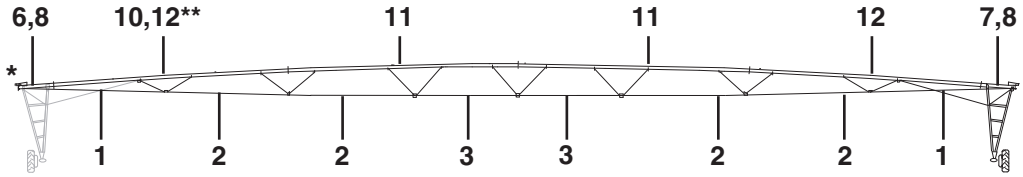
MODEL 8120

EFFECTIVE
February 2012

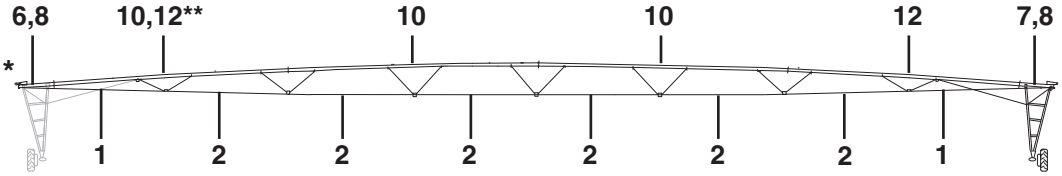
142.3' Span
[43.37m]



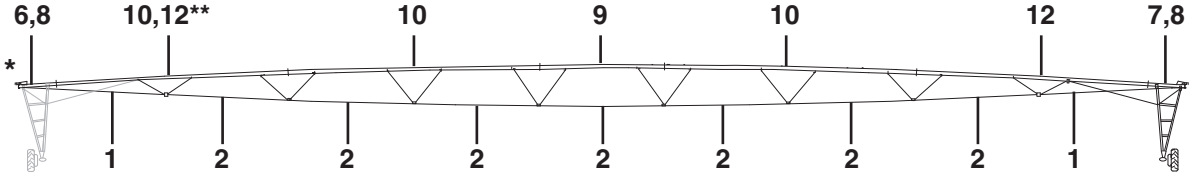
157.5' Span
[48.00m]



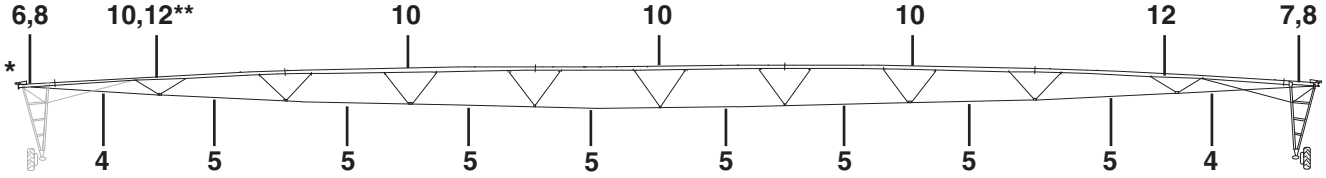
161.2' Span
[49.13m]



180' Span
[54.86m]



198.9' Span
[60.63m]



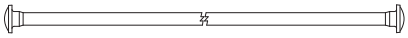
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

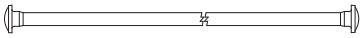
****NOTE: Tower Pipe used at both ends of 2 Wheel Linear Cart Span and Freestanding Span.**

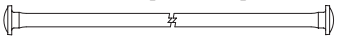
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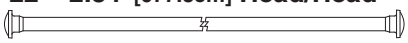
MODEL 8120

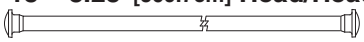
EFFECTIVE
February 2012

1 **22' - 2.84"[677.8cm] Head/Head**  **Purple 3/4" 9360683**

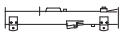
2 **18' - 8.28"[569.7cm] Head/Head**  **Gold 3/4" 9360682**

3 **16' - 10.56"[514.5cm] Head/Head**  **3/4" 9362511**

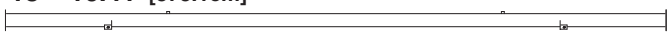
4 **22' - 2.84"[677.8cm] Head/Head**  **Brown 13/16" 9360718**

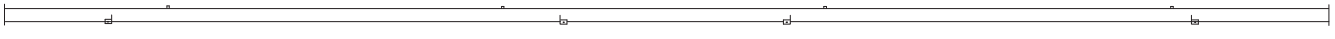
5 **18' - 8.28"[569.7cm] Head/Head**  **Flourescent Green 13/16" 9360719**

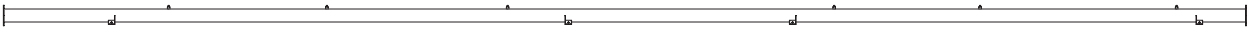
6 **5' - 0.50"[153.7cm]** 

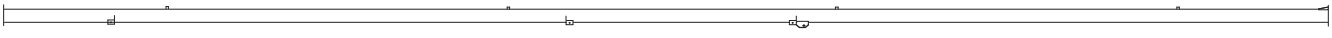
7 **4' - 9.28"[145.5cm]** 

8 **5' - 0.50"[153.7cm]** 

9 **18' - 10.41"[575.1cm]** 

10 **37' - 9.00"[1150.6cm]** 

11 **35' - 11.25"[1095.4cm]** 

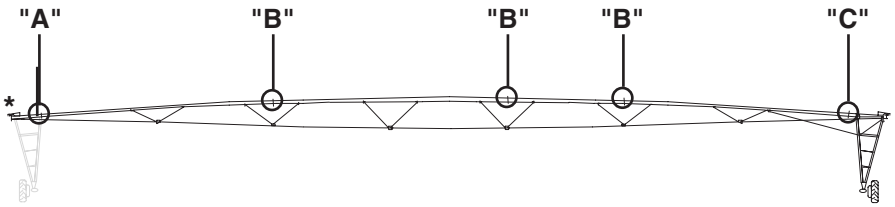
12 **37' - 9.00"[1150.6cm]** 

Item	Description	Part #	
6	Swivel Stub Pipe (5'-0.50")[153.7cm]	9360675	
7	Last Stub Pipe (4'-9.47")[145.9cm]	9360676	
8	Fixed Stub Pipe (5'-0.50")[153.7cm]	9360677	
		113"[287.8cm]	75.5"[191.8cm]
9	19' Intermediate Pipe (18'-10.41")[575.1cm]	9360684	9360685
10	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9360686	9360687
11	36' Intermediate Pipe (35'-11.25")[1095.4cm]	-	9362501
12	38' Tower Pipe (37'-9.00")[1150.6cm]	9363951	9363952

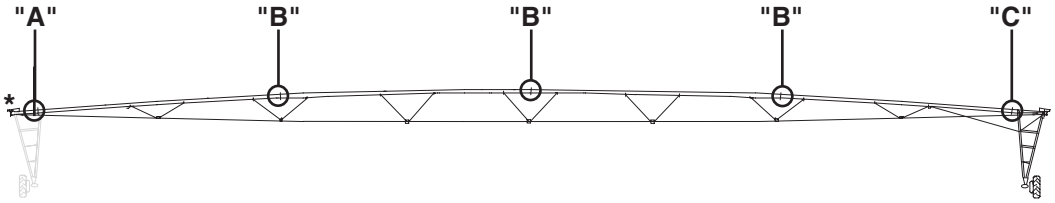
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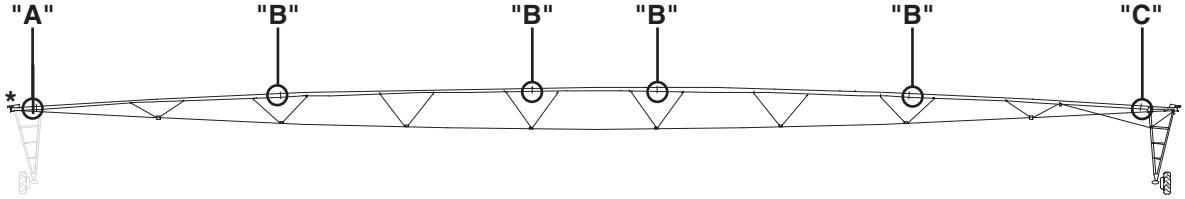
142.3' Span
[43.37m]



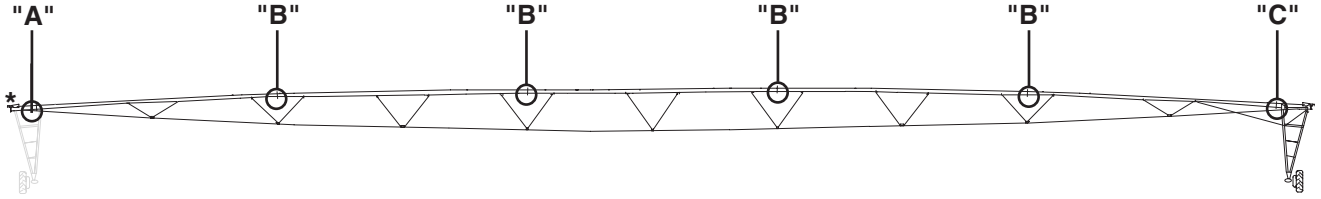
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]

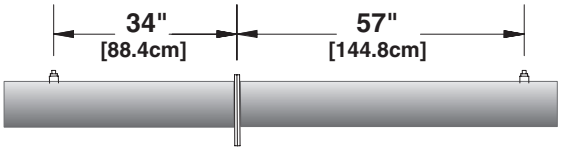


***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

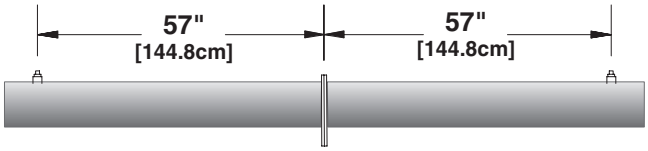
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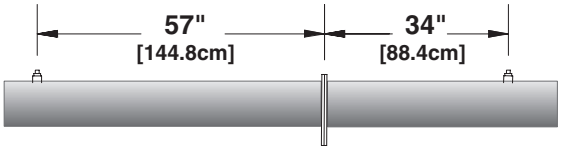
Detail "A"



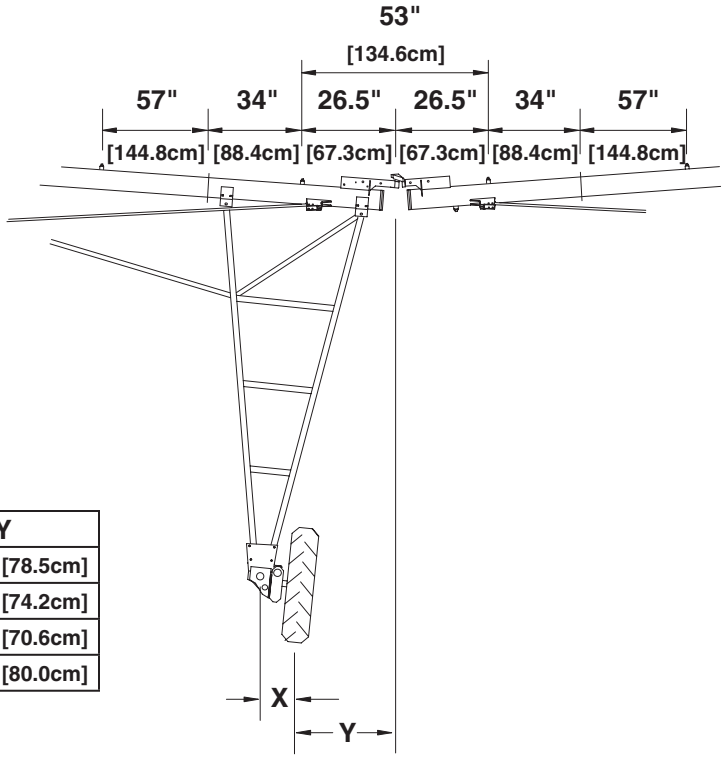
Detail "B"



Detail "C"



PIVOT



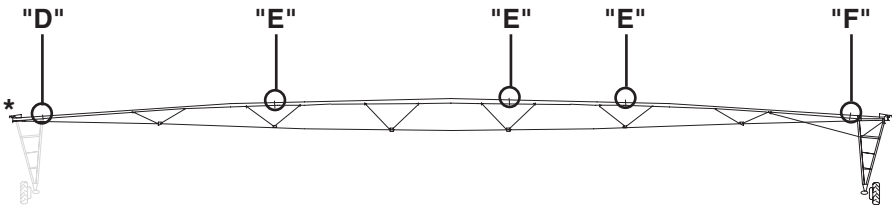
TIRE	X	Y
11.2 x 24	12.4" [31.5cm]	30.9" [78.5cm]
14.9 x 24	14.1" [35.8cm]	29.2" [74.2cm]
16.9 x 24	15.5" [39.4cm]	27.8" [70.6cm]
11.2 x 38	11.8" [30.0cm]	31.5" [80.0cm]

NOTE: The "Y" dimension can vary ±3.0"[76.2cm] depending on span length and crown.

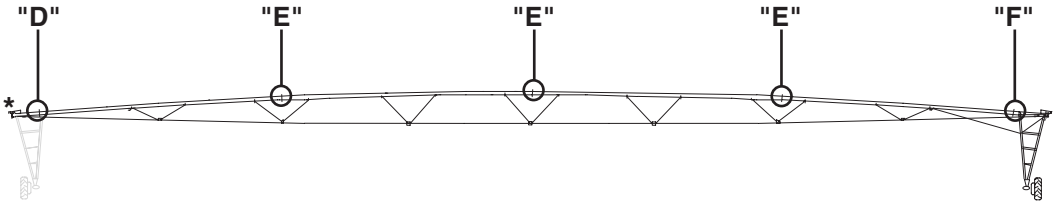
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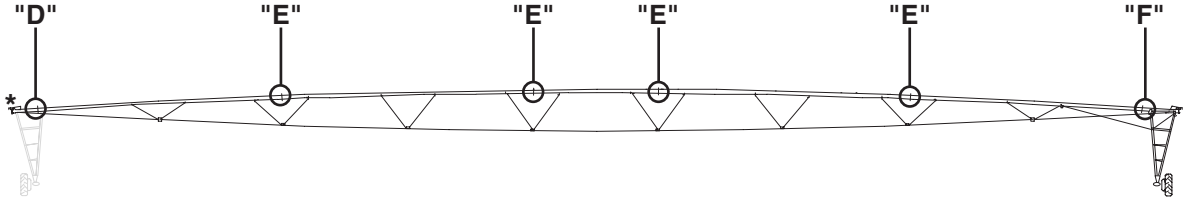
142.3' Span
[43.37m]



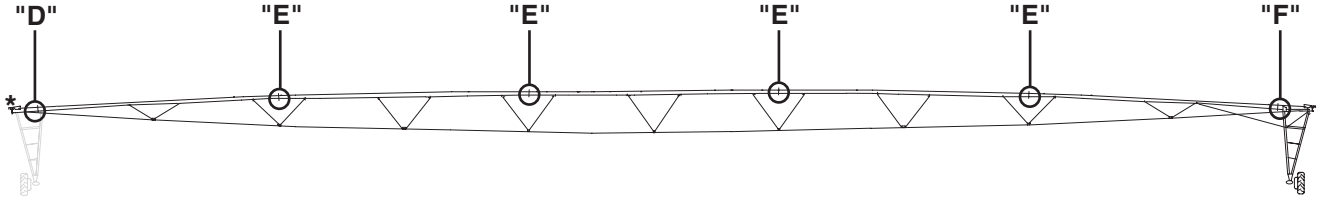
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]

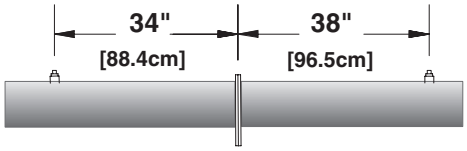


***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

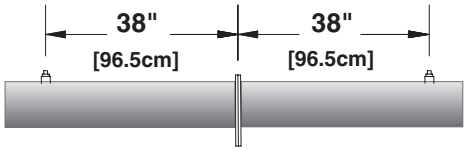
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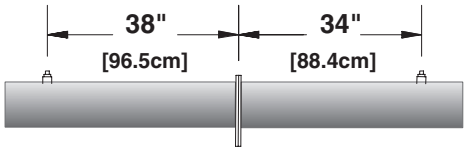
Detail "D"



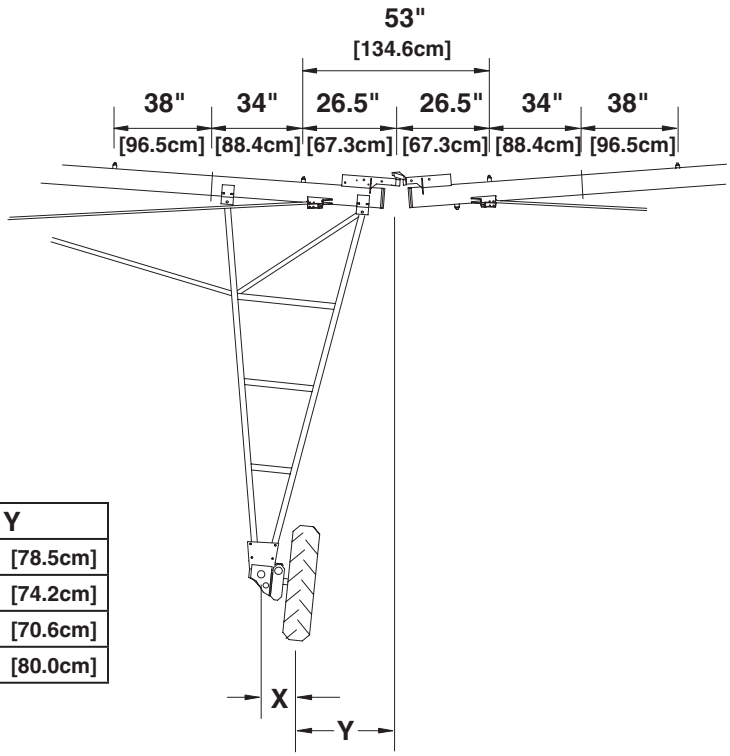
Detail "E"



Detail "F"





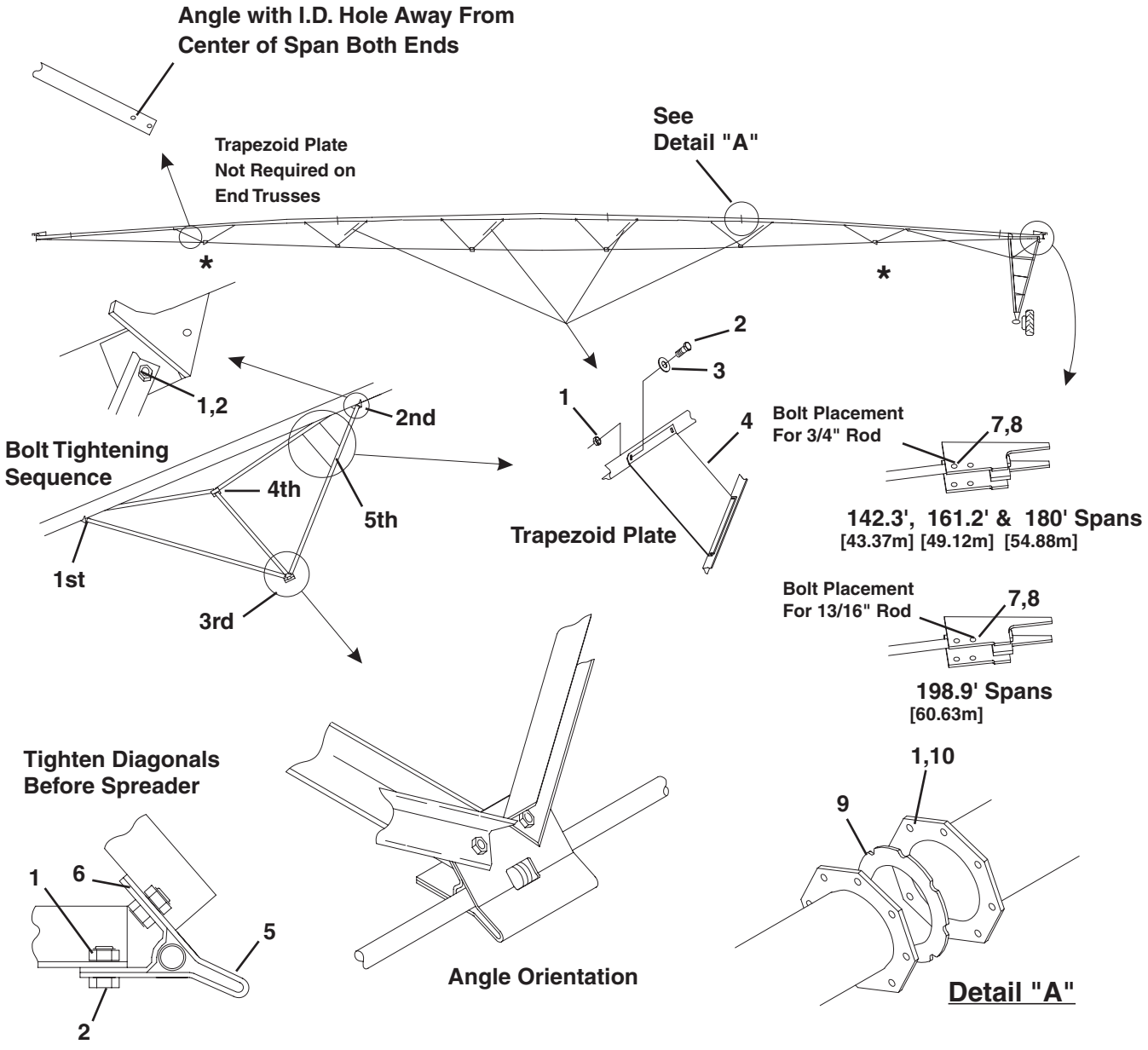


TIRE	X	Y
11.2 x 24	12.4" [31.5cm]	30.9" [78.5cm]
14.9 x 24	14.1" [35.8cm]	29.2" [74.2cm]
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NOTE: The "Y" dimension can vary ±3.0" depending on span length and crown.

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ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	6-5/8" Gasket	0991107
10	1/2" x 2" Cap Screw	0161024

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ADD & FREESTANDING SPANS
5" PIPE
113.3[287.8cm]" & 75.5"[191.8cm]
COUPLER SPACING

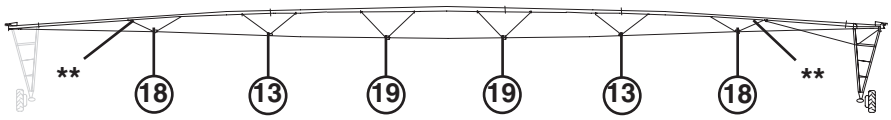


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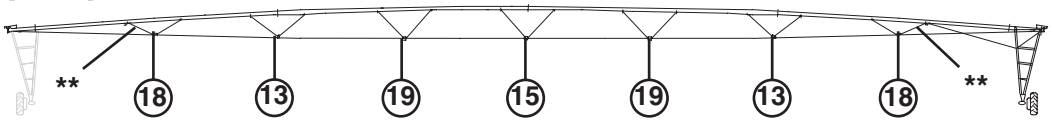
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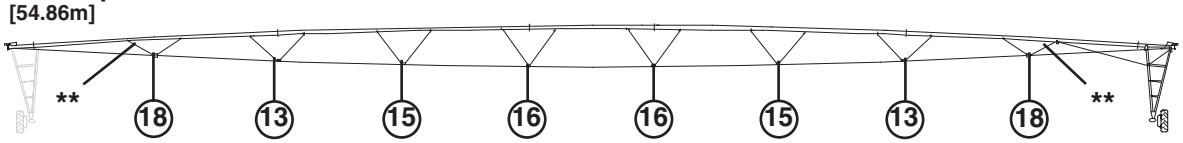
142.3' Span
[43.37m]



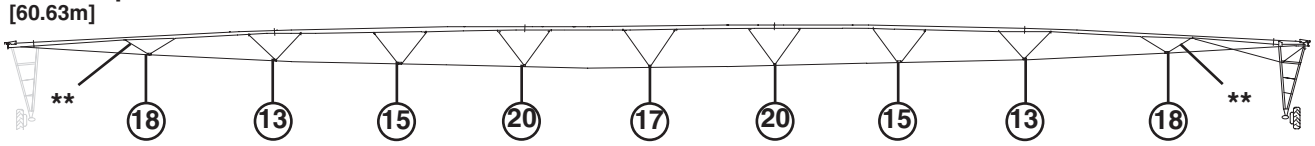
161.2' Span
[49.13m]



180' Span
[54.86m]



198.9' Span
[60.63m]

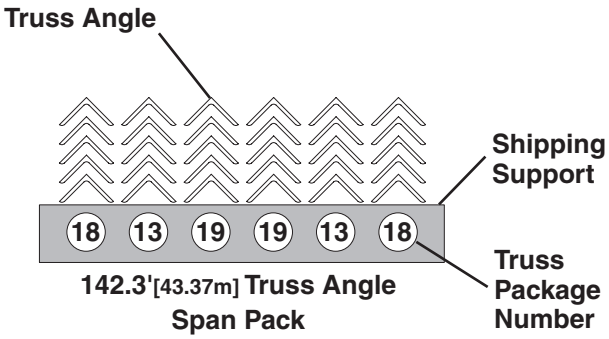


****NOTE: Location of longer diagonal w/I.D. hole.**

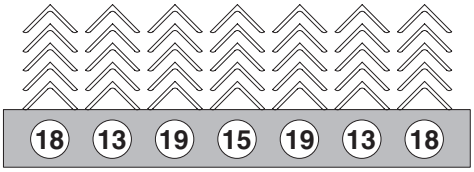
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MODEL 8120

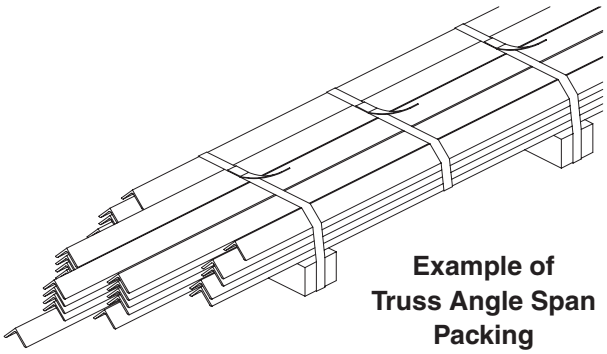
Reference Assembly Detail Page for Exact Location of Truss Packages



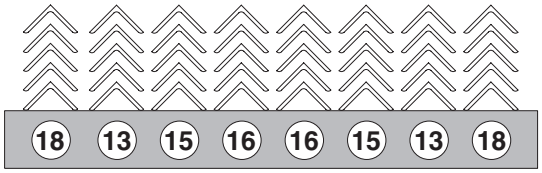
142.3'[43.37m] Truss Angle Span Pack (KA09478)



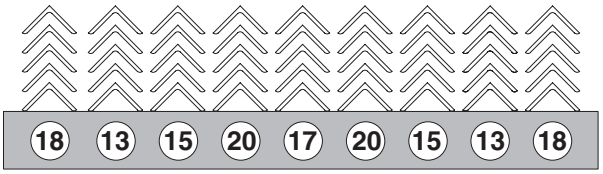
161.2'[49.13m] Truss Angle Span Pack (KA09479)



Example of Truss Angle Span Packing



180'[54.86m] Truss Angle Span Pack (KA09480)



198.9'[60.63m] Truss Angle Span Pack (KA09481)

NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

TRUSS PKG #	DIAGONAL			SPREADER		
	Part #	Overall Length		Part #	Overall Length	
		Inch	cm		Inch	cm
13	9361204	82.78"	[210.3cm]	9361205	92.69"	[235.4cm]
15	9361208	97.25"	[247.0cm]	9361209	115.03"	[292.2cm]
16	9361210	102.56"	[260.5cm]	9361211	122.94"	[312.3cm]
17	9361252	112.09"	[284.7cm]	9361253	136.84"	[347.6cm]
18	9361259**	63.36"	[160.9cm]	9361260	56.00"	[142.2cm]
	9361258	60.67"	[154.1cm]	-	-	-
19	9361256	92.71"	[235.5cm]	9361257	108.16"	[274.7cm]
20	9361254	108.50"	[275.6cm]	9361255	131.63"	[334.3cm]

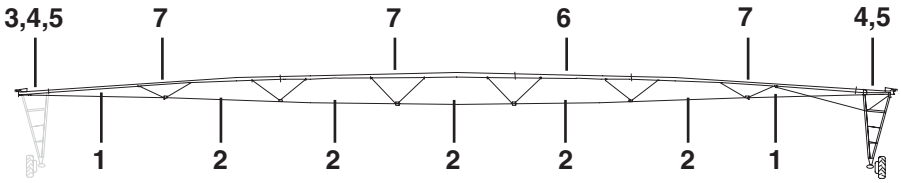
**** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.**

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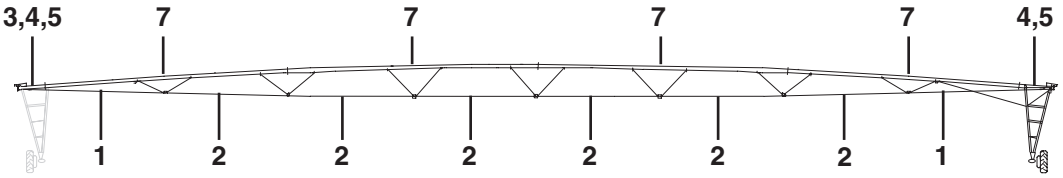
MODEL 8120

PRIOR to February 2012

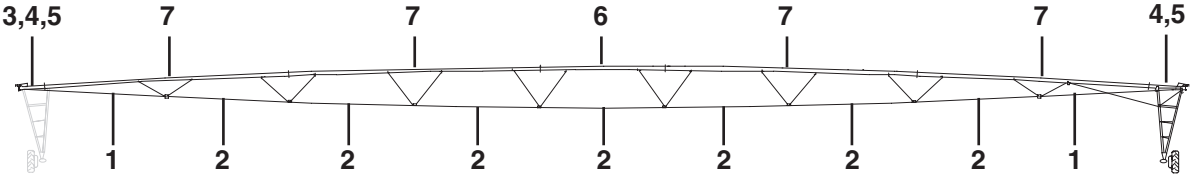
142.3' Span
[43.37m]



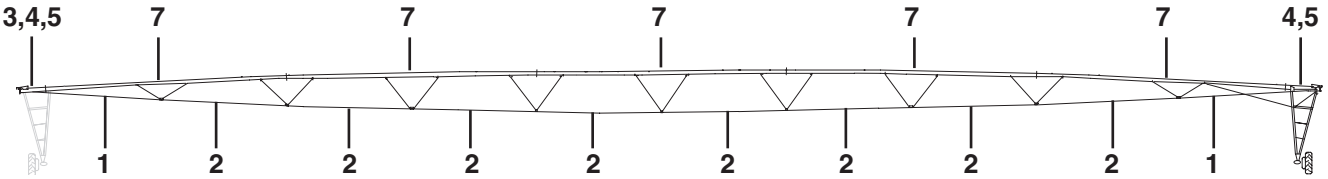
161.2' Span
[49.13m]



180' Span
[54.86m]



198.9' Span
[60.63m]

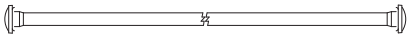


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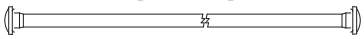
MODEL 8120

PRIOR to February 2012

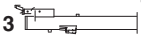
22' - 2.84"[677.8cm] Head/Head

1  **Purple** **3/4"** **9360683**

18' - 8.28"[569.7cm] Head/Head

2  **Gold** **3/4"** **9360682**

5' - 0.50"[153.7cm]

3 

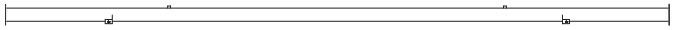
4' - 9.28"[145.5cm]

4 

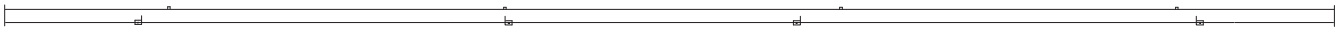
5' - 0.50"[153.7cm]

5 

18' - 10.41"[575.1cm]

6 

37' - 9.00"[1150.6cm]

7 

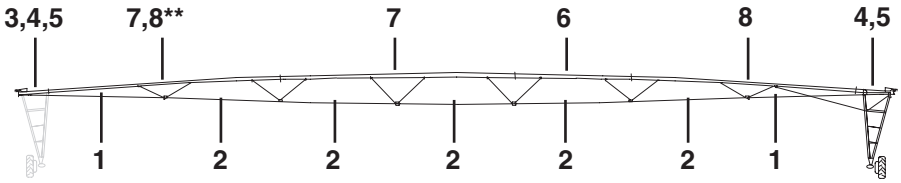
Item	Description	Part #	
		113"[287.8cm]	75.5"[191.8cm]
3	Swivel Stub Pipe (5'-0.50")[153.7cm]	9360917	
4	Last Stub Pipe (4'-9.28")[145.5cm]	9360919	-
5	Fixed Stub Pipe (5'-0.50")[153.7cm]	9360918	-
6	19' Intermediate Pipe (18'-10.41")[575.1cm]	9360912	9360913
7	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9360914	9360915

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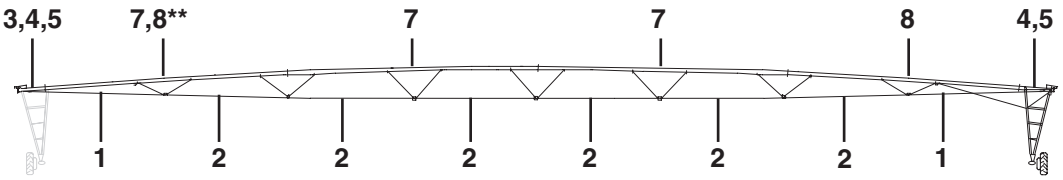
MODEL 8120

EFFECTIVE
February 2012

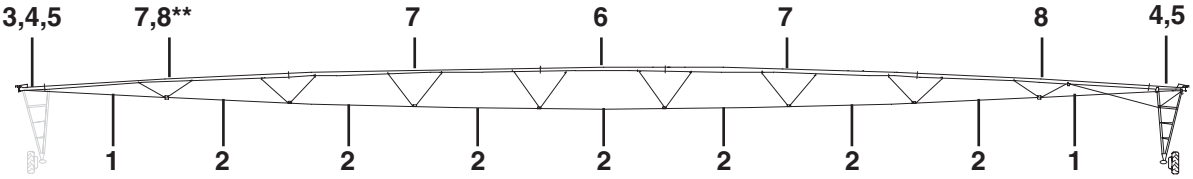
142.3' Span
[43.37m]



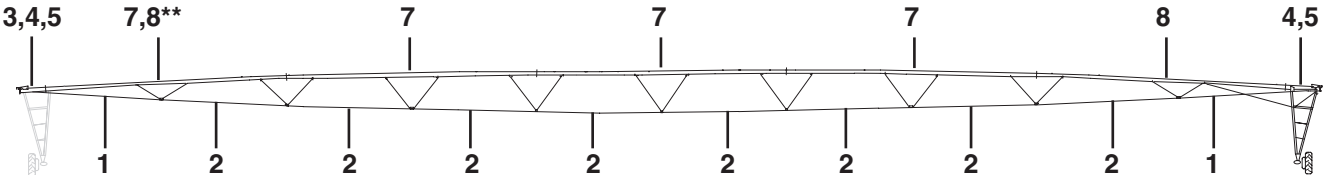
161.2' Span
[49.13m]



180' Span
[54.86m]



198.9' Span
[60.63m]



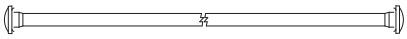
****NOTE: Tower Pipe used at both ends of 2 Wheel Linear Cart Span and Freestanding Span.**

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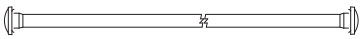
MODEL 8120

EFFECTIVE
February 2012

22' - 2.84"[677.8cm] Head/Head

1  **Purple** **3/4"** **9360683**

18' - 8.28"[569.7cm] Head/Head

2  **Gold** **3/4"** **9360682**

5' - 0.50"[153.7cm]

3 

4' - 9.28"[145.5cm]

4 

5' - 0.50"[153.7cm]

5 

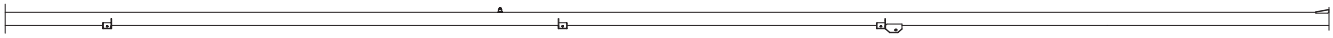
18' - 10.41"[575.1cm]

6 

37' - 9.00"[1150.6cm]

7 

37' - 9.00"[1150.6cm]

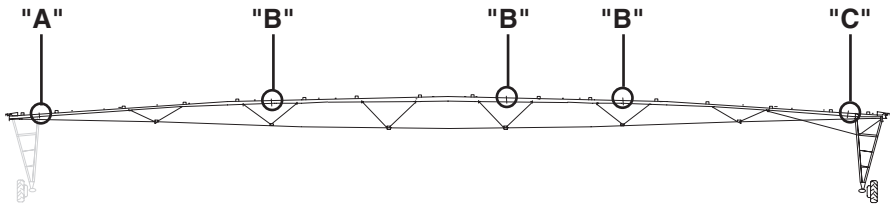
8 

Item	Description	Part #	
		113"[287.8cm]	75.5"[191.8cm]
3	Swivel Stub Pipe (5'-0.50")[153.7cm]	9360917	
4	Last Stub Pipe (4'-9.28")[145.5cm]	9360919	-
5	Fixed Stub Pipe (5'-0.50")[153.7cm]	9360918	-
6	19' Intermediate Pipe (18'-10.41")[575.1cm]	9360912	9360913
7	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9360914	9360915
8	38' Tower Pipe (37'-9.00")[1150.6cm]	9363948	9363949

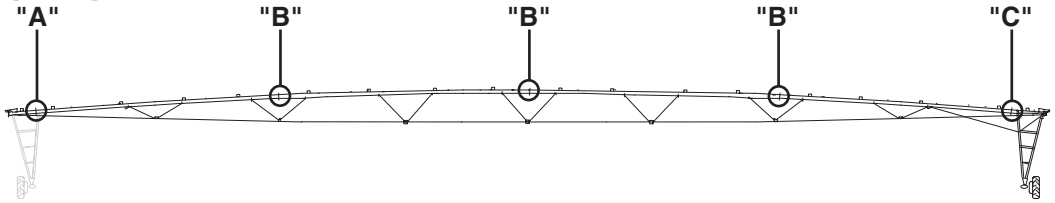
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MODEL 8120

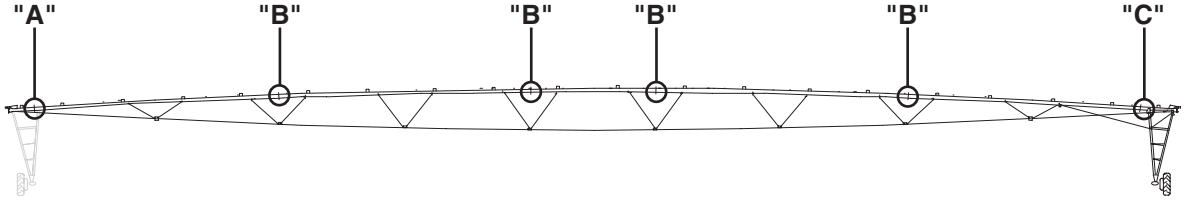
142.3' Span
[43.37m]



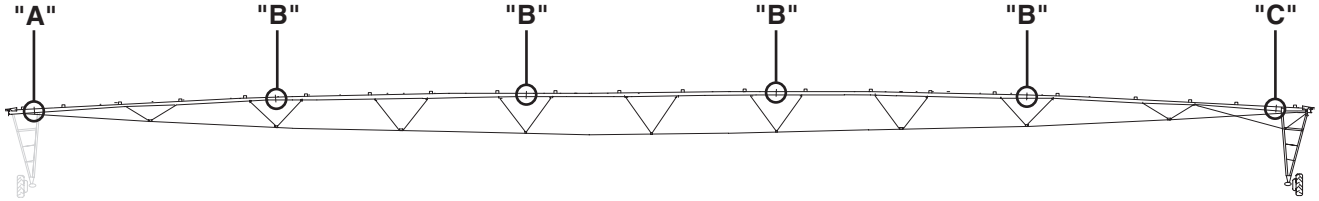
161.2' Span
[49.13m]



180' Span
[54.86m]



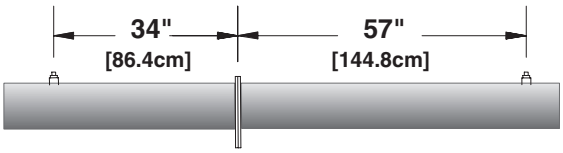
198.9' Span
[60.63m]



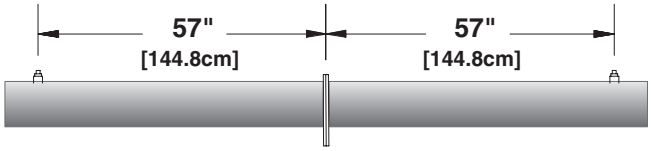
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MODEL 8120

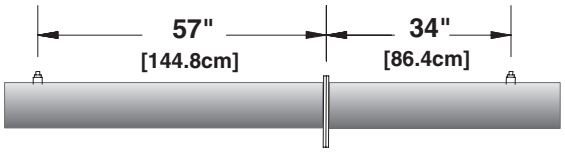
Detail "A"



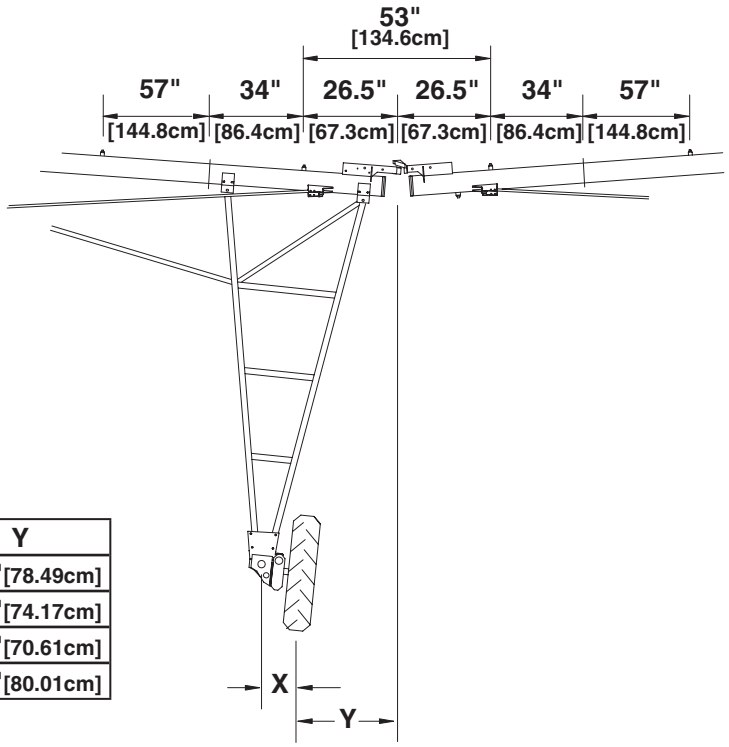
Detail "B"



Detail "C"



PIVOT



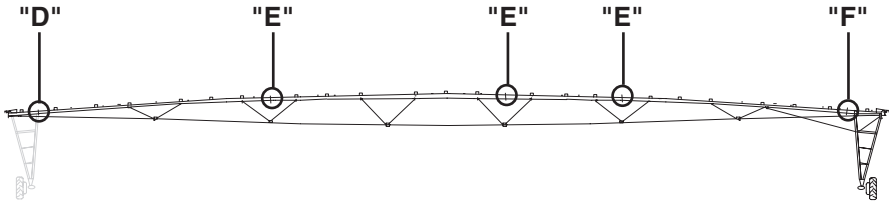
TIRE	X	Y
11.2 x 24	12.4"[31.50cm]	30.9"[78.49cm]
14.9 x 24	14.1"[35.81cm]	29.2"[74.17cm]
16.9 x 24	15.5"[39.37cm]	27.8"[70.61cm]
11.2 x 38	11.8"[29.97cm]	31.5"[80.01cm]

NOTE: The "Y" dimension can vary ±3.0"[76.2mm] depending on span length and crown.

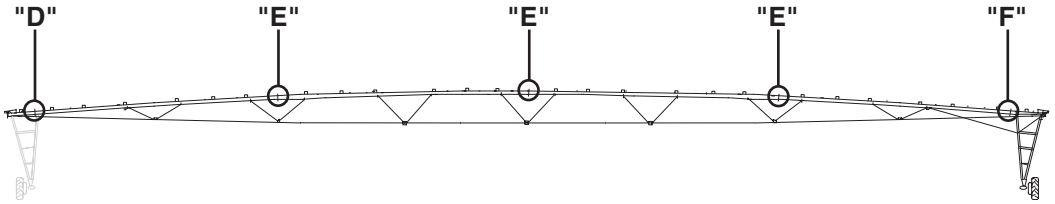
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MODEL 8120

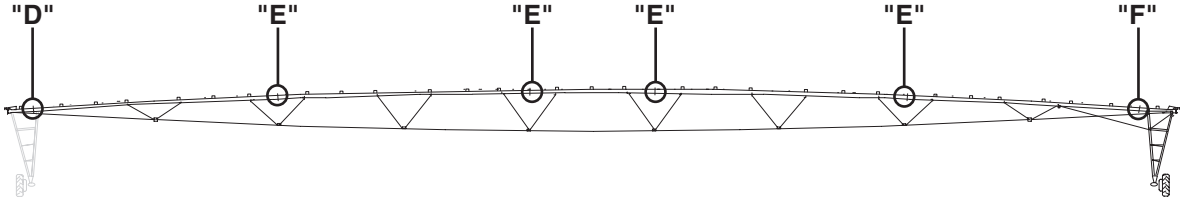
142.3' Span
[43.37m]



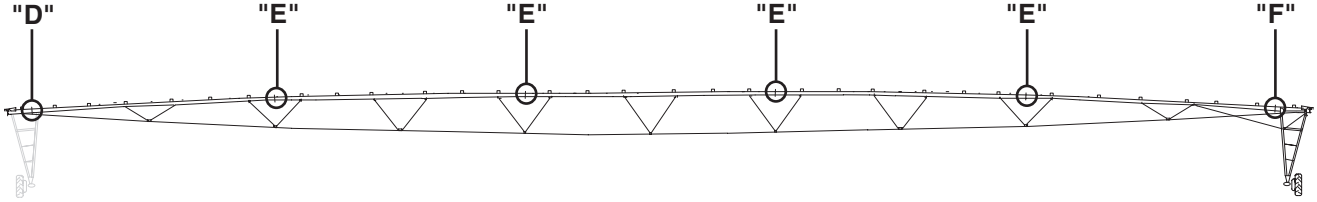
161.2' Span
[49.13m]



180' Span
[54.86m]



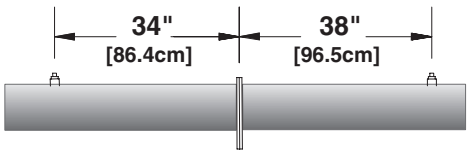
198.9' Span
[60.63m]



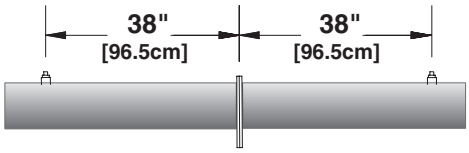
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MODEL 8120

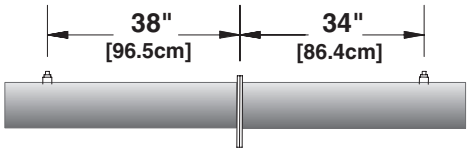
Detail "D"



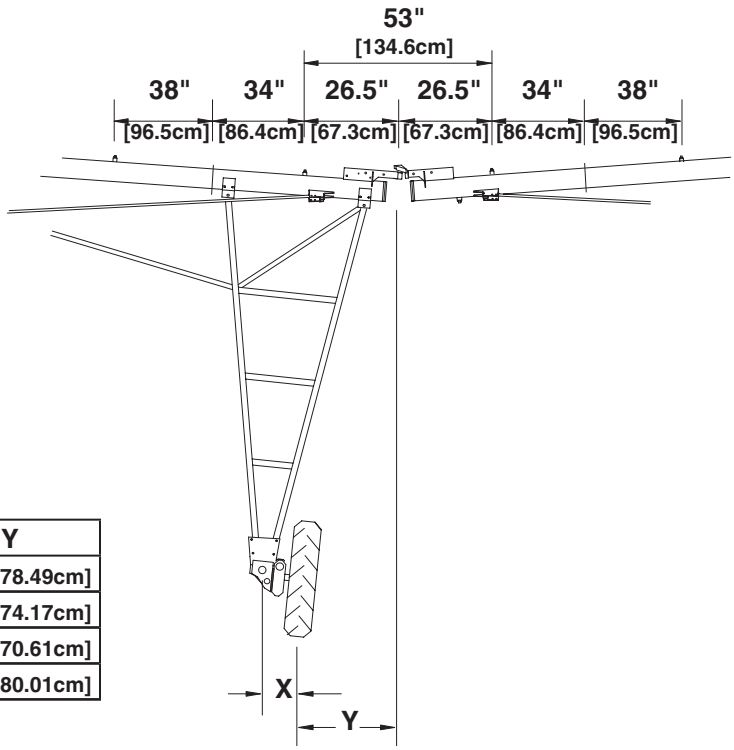
Detail "E"



Detail "F"



PIVOT

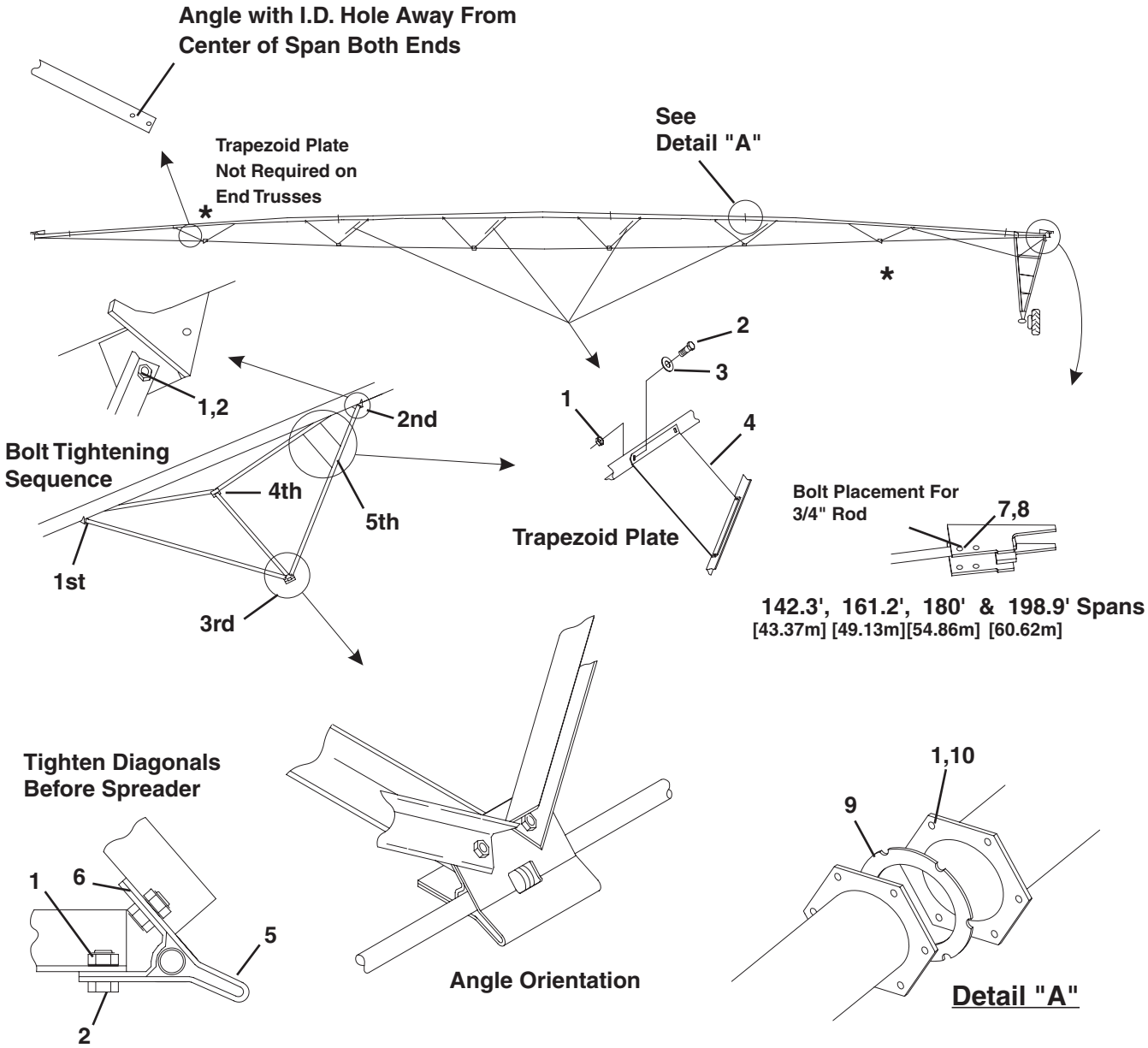


TIRE	X	Y
11.2 x 24	12.4"[31.50cm]	30.9"[78.49cm]
14.9 x 24	14.1"[35.81cm]	29.2"[74.17cm]
16.9 x 24	15.5"[39.37cm]	27.8"[70.61cm]
11.2 x 38	11.8"[29.97cm]	31.5"[80.01cm]

NOTE: The "Y" dimension can vary ±3.0"[76.2mm] depending on span length and crown.

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MODEL 8120



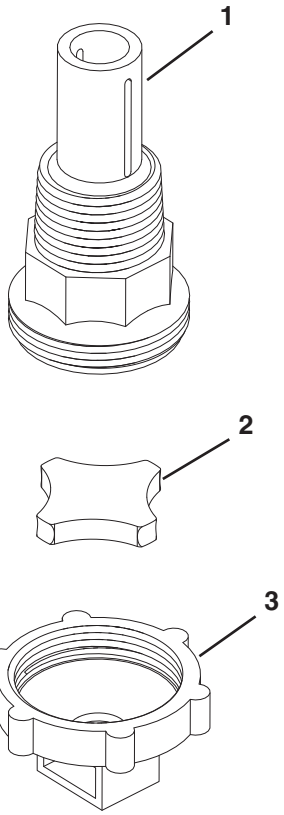
ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	5" Gasket	0996071
10	1/2" x 2" Cap Screw	0161024

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PIPELINE ACCESSORIES

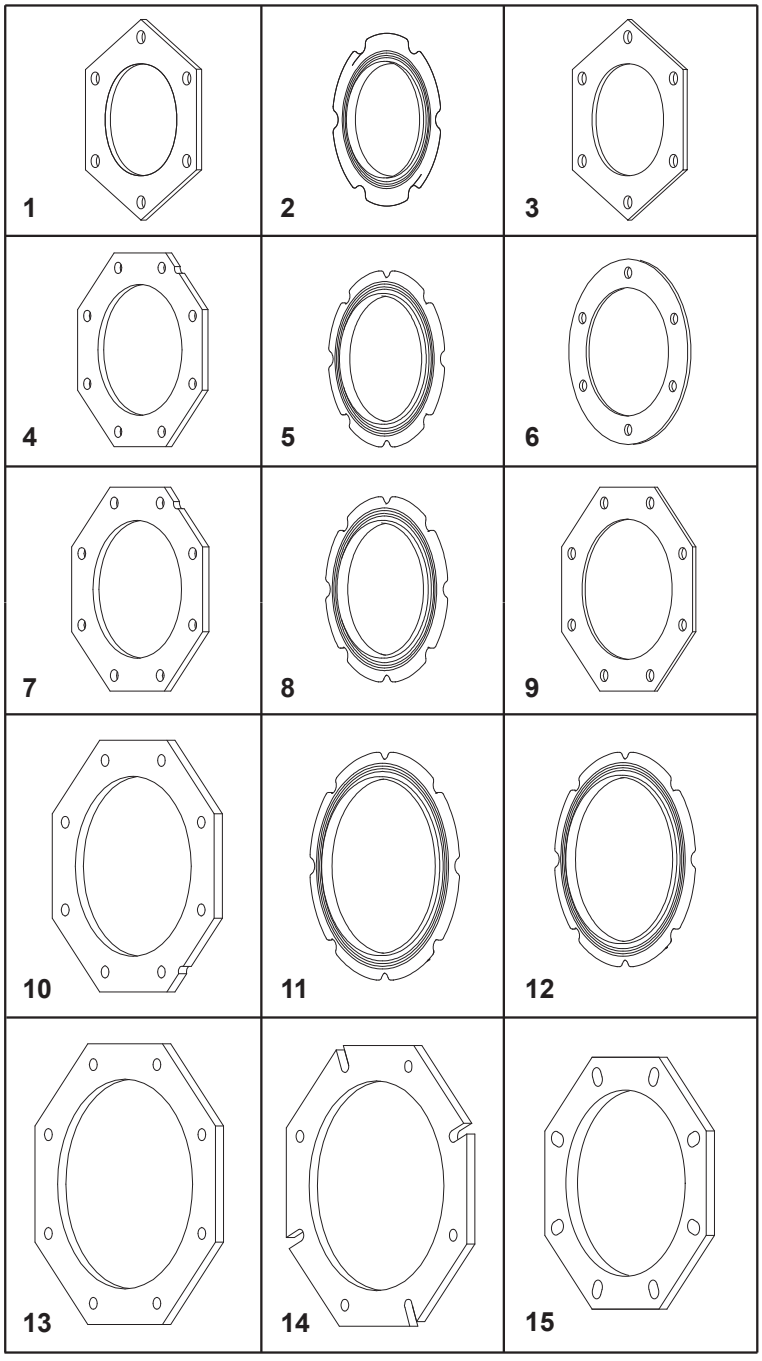


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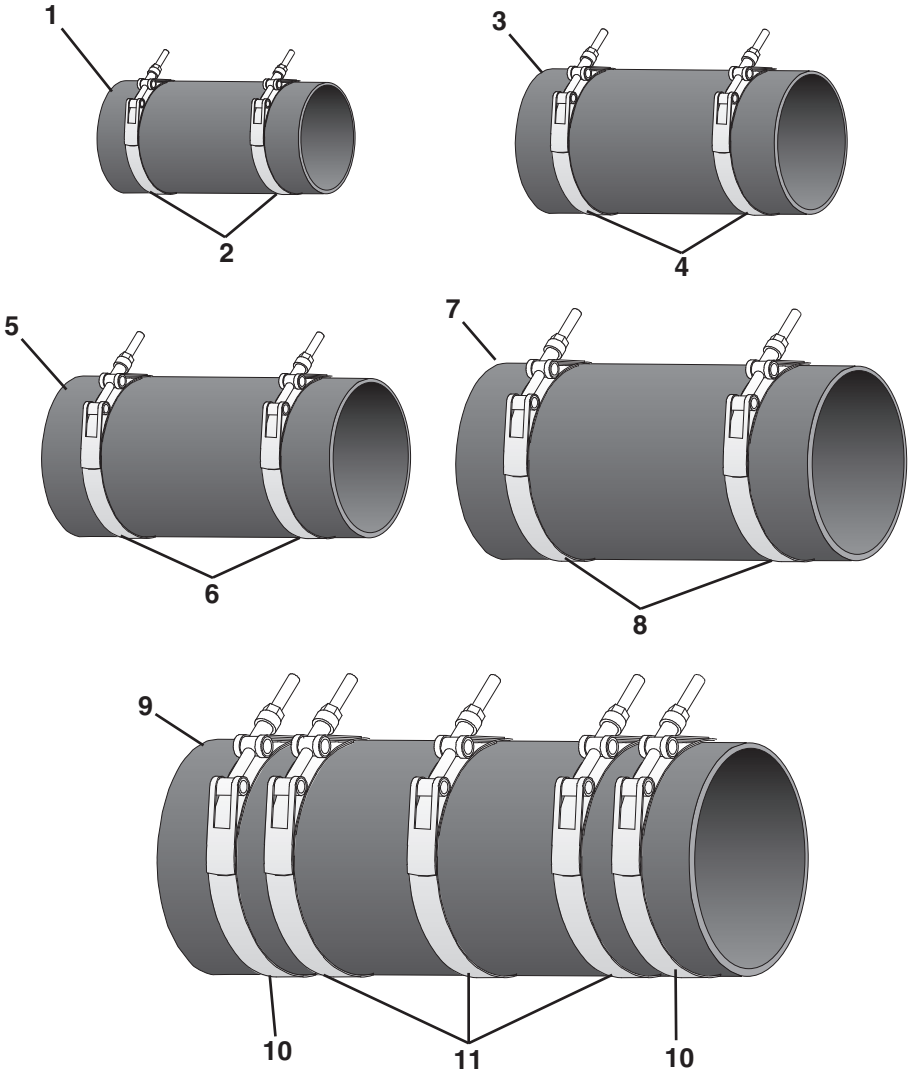
ITEM	DESCRIPTION	PART #
1	Upper Drain Body	0246170
	Upper Drain Body Alum (Not Shown)	0232023
2	Drain Seal	0232568
3	Lower Drain Body	0232004

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ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	5” Pipe Flange	9360910	9	6-5/8" Flat Rubber Gasket	0992211
2	5” Plastic Gasket	0996071	10	8-5/8" Pipe Flange	9360121
3	5” Flat Rubber Gasket	0996069	11	8-5/8" Pipe Gasket	0994500
4	6" to 6-5/8" Transition Flange	1750481	12	8” Pipe Gasket	0992439
5	6" Pipe Gasket	0994469	13	10" Pipe Flange	1702309
6	6" Flat Rubber Gasket	0991016	14	10" Flat Rubber Gasket	0992385
7	6-5/8" Pipe Flange	1800010	15	8" & 8-5/8” Univ. Flat Rubber Gasket	0996566
8	6-5/8" Pipe Gasket	0991107			

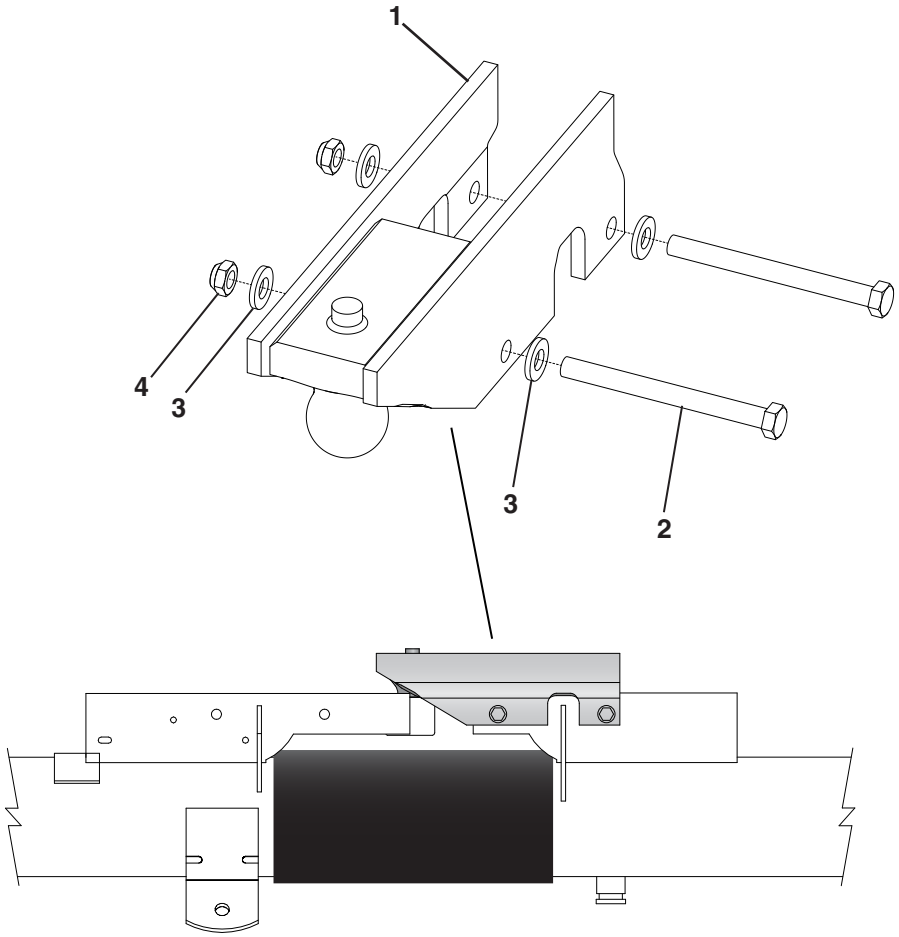
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ITEM	DESCRIPTION	PART #
1	5” Flex Hose	0996080
2	5” Flex Joint Clamp	0995199
3	6" Flex Hose	0991187
4	6" Flex Joint Clamp	0991186
5	6-5/8" Flex Hose	1800318
	6-5/8" Flex Boot - Rough Ground	0996389
6	6-5/8" Flex Joint Clamp	0991087
7	8-5/8" Flex Hose	0994520
	8-5/8" Flex Boot - Rough Ground	0996390
8	8-5/8" Flex Joint Clamp	0994507
9	10" Flex Hose	1702326
	10" Flex Boot - Rough Ground	0996663
10	10" T-Bolt Clamp	0992386
11	10" Flex Joint Clamp	0992441

5" Span Flex Hose and Clamps Kit	KA02733
6" Span Flex Hose and Clamps Kit	KA02734
6-5/8" Span Flex Hose and Clamps Kit	KA02735
8-5/8" Span Flex Hose and Clamps Kit	KA02737

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ITEM	DESCRIPTION	PART #
1	Forged Hitch	9362529
2	1/2" x 5-1/2" Cap Screw	0161018
3	1/2" Flat Washer	0142025
4	1/2" Lock Nut	0133005
	Retrofit Forged Hitch Ball Kit	0000F71

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ADD & FREESTANDING SPANS

PolySpan®

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
MODEL 8000P		
6-5/8" Pipe - 30"[76.2cm], 60"[152.4cm] & 108"[274.3cm] Coupler Spacing		
Truss Package Locations	01-10	9-4
Truss Angle Packages	01-10	9-5
Pipe/Truss Rod Locations	01-10	9-6
Pipes/Truss Rods	01-10	9-7
Sprinkler Coupling Locations	01-10	9-8
Sprinkler Coupling Location Details	01-10	9-9
Assembly Details	01-10	9-10
MODEL 8120P		
6-5/8" Pipe - 75.5"[191.8cm], 113"[287.0cm] Coupler Spacing		
Truss Package Locations	01-10	9-12
Truss Angle Packages	01-10	9-13
Pipe/Truss Rod Locations - PRIOR to Feb. 2012	10-11	9-14
Pipes/Truss Rods - PRIOR to Feb. 2012	12-15	9-15
Pipe/Truss Rod Locations - EFFECTIVE Feb. 2012	10-11	9-16
Pipes/Truss Rods - EFFECTIVE Feb. 2012	12-15	9-17
Sprinkler Coupling Location Details	01-10	9-18
Assembly Details	01-10	9-19
Standard Sprinkler Drop Detail	01-10	9-20
Optional Sprinkler Drop Detail	01-10	9-21
Flex Hose, Hitch & Coupler Components	12-18	9-22

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MODEL 8000P

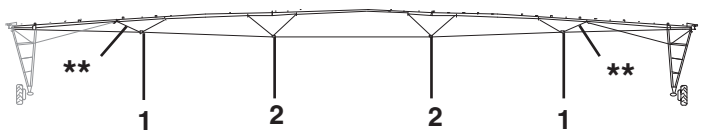
ADD & FREESTANDING PolySpans
6-5/8" PIPE
30"[76.2cm], 60"[152.4cm] & 108"[274.3cm]
COUPLER SPACING



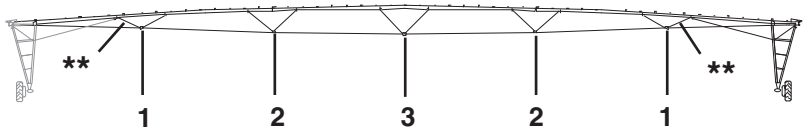
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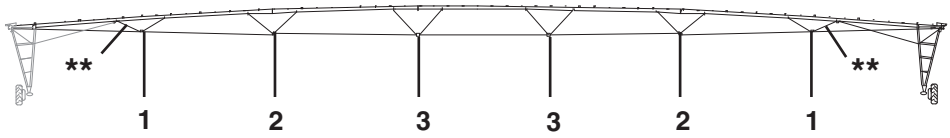
115' Span
[35.05m]



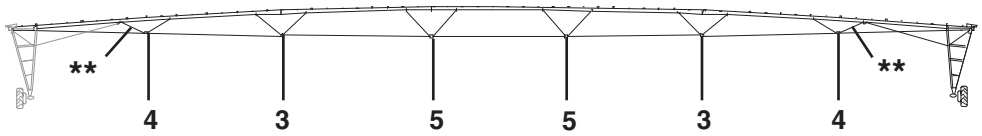
135' & 140' Span
[41.15m] & [42.67m]



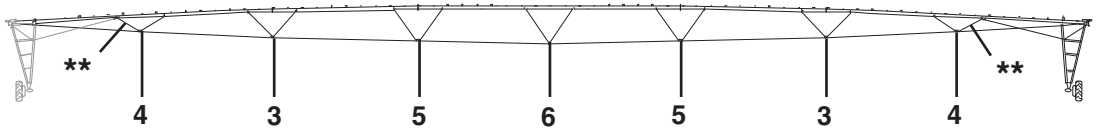
160' Span
[48.77m]



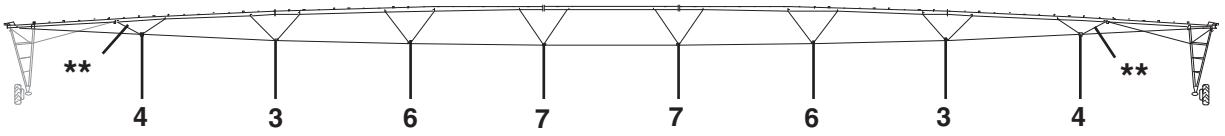
165' Freestanding Span Only
[50.29m]



180',185' & 187' Span
[54.86m][56.39m] & [57.00m]



205' Span
[62.48m]

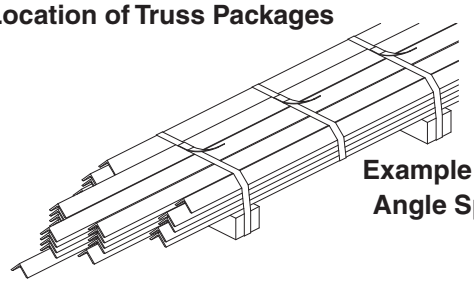


** **NOTE: This is the location of the longer diagonal with the I.D. hole.**

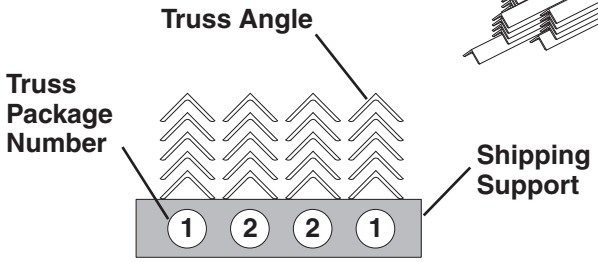
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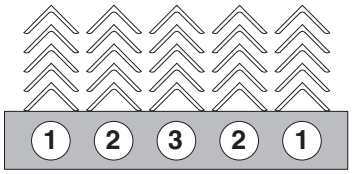
Reference Assembly Detail Page for Exact Location of Truss Packages



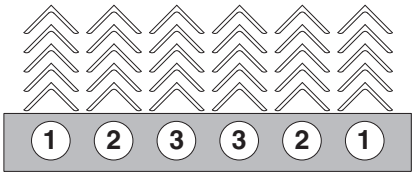
Example of 135' Truss Angle Span Packing



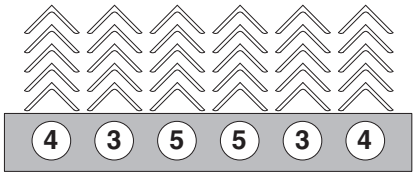
115'[35.05m] Truss Angle Span Pack (KA09116)



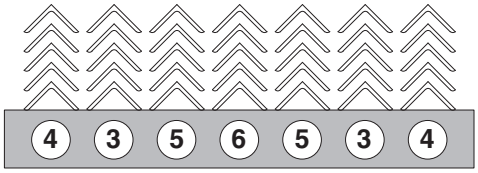
135'[41.15m] & 140'[42.67m] Truss Angle Span Pack (KA09023)



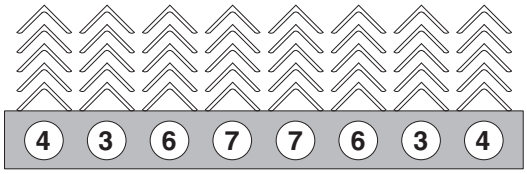
160'[48.77m] Truss Angle Span Pack (KA09024)



165'[50.29m] Truss Angle Span Pack (KA09050)



180'[54.86m], 185'[56.39m] & 187'[57.00m] Truss Angle Span Pack (KA09025)



205'[62.48m] Truss Angle Span Pack (KA09026)

NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

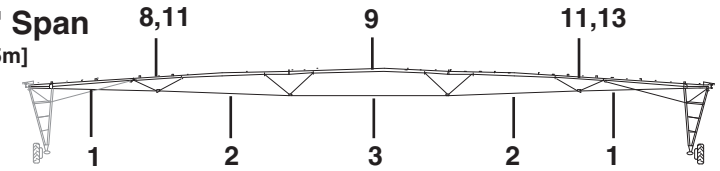
TRUSS PKG #	DIAGONAL			SPREADER		
		Overall Length			Overall Length	
	Part #	Inches	cm	Part #	Inches	cm
1	9360046**	58.42"	[148.4cm]	9360047	44.69"	[113.5cm]
	9360073	55.38"	[140.7cm]	-	-	-
2	9360048	72.97"	[185.3cm]	9360049	76.44"	[194.2cm]
3	9360050	82.78"	[210.3cm]	9360051	92.69"	[235.4cm]
4	9360052**	61.68"	[156.7cm]	9360053	52.25"	[132.7cm]
	9360074	58.81"	[148.6cm]	-	-	-
5	9360054	97.25"	[247.0cm]	9360055	115.03"	[292.2cm]
6	9360056	102.56"	[260.5cm]	9360057	122.94"	[312.3cm]
7	9360058	112.09"	[284.7cm]	9360059	136.84"	[347.6cm]

**** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.**

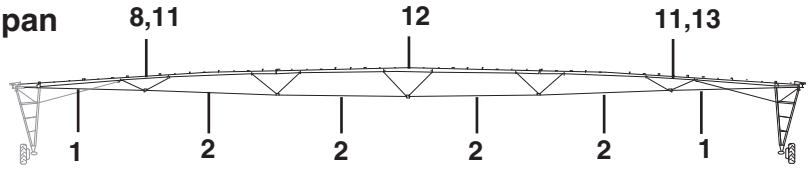
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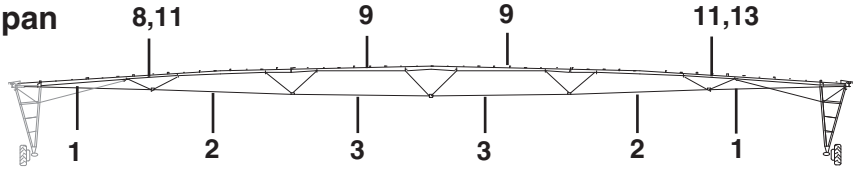
115' Span
[35.05m]



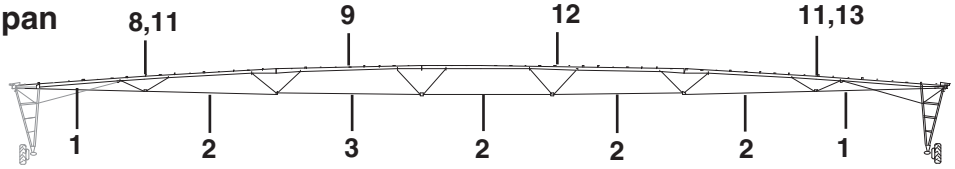
135' Span
[41.15m]



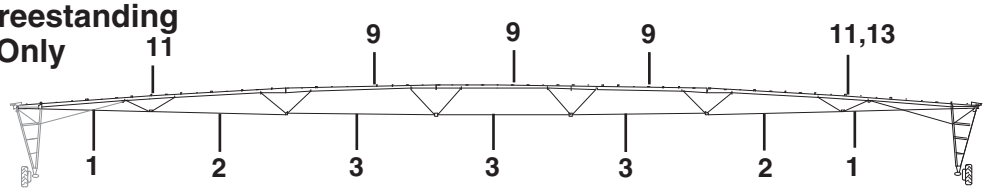
140' Span
[42.67m]



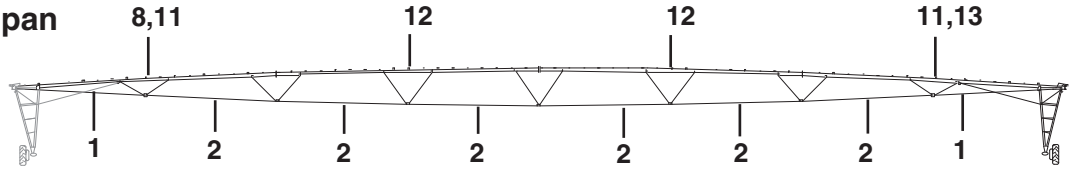
160' Span
[48.77m]



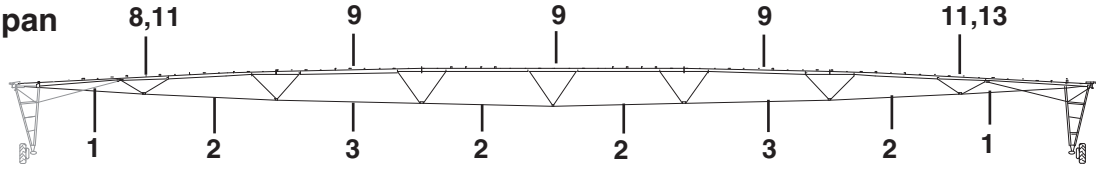
165' Freestanding Span Only
[50.29m]



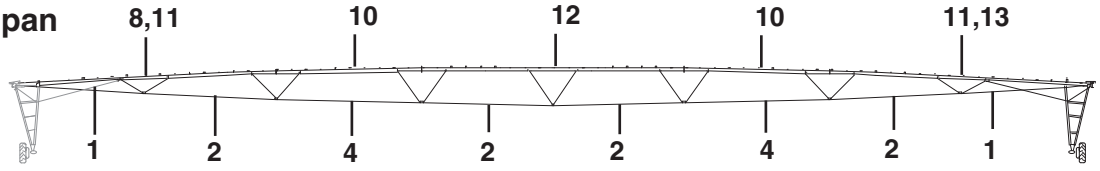
180' Span
[54.86m]



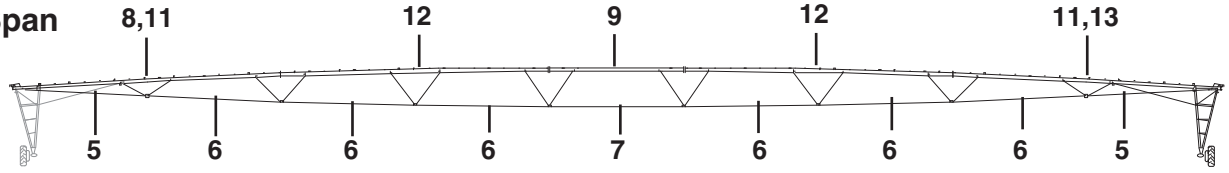
185' Span
[56.39m]



187' Span
[57.00m]

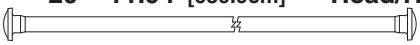


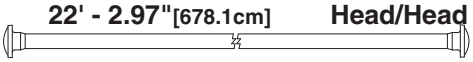
205' Span
[62.48m]

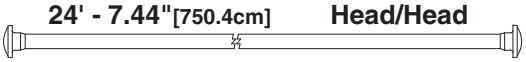


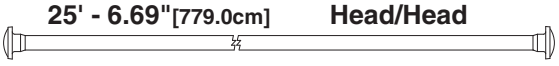
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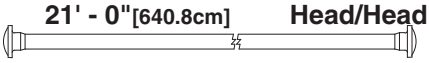
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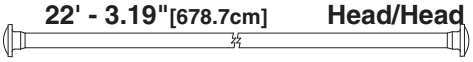
1 **20' - 11.94"[639.9cm] Head/Head**  **Yellow 3/4" 9360060**

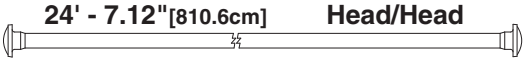
2 **22' - 2.97"[678.1cm] Head/Head**  **No Color 3/4" 9360061**

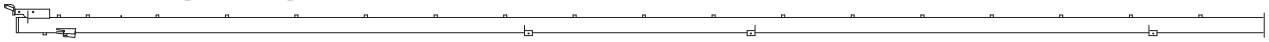
3 **24' - 7.44"[750.4cm] Head/Head**  **Blue 3/4" 9360062**

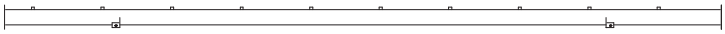
4 **25' - 6.69"[779.0cm] Head/Head**  **Black 3/4" 9360063**

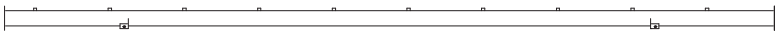
5 **21' - 0"[640.8cm] Head/Head**  **Orange 13/16" 9360064**

6 **22' - 3.19"[678.7cm] Head/Head**  **Red 13/16" 9360065**

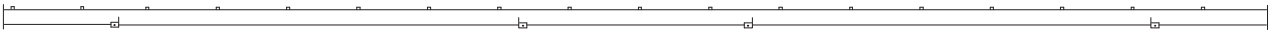
7 **24' - 7.12"[810.6cm] Head/Head**  **Green 13/16" 9360066**

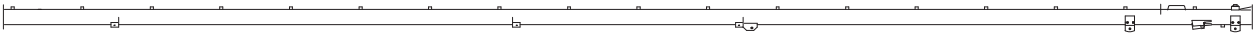
8 **45' - 1.88"[1376.4cm]** 

9 **24' - 10.00"[756.9cm]** 

10 **25' - 9.25"[785.5cm]** 

11 **45' - 1.88"[1376.4cm]** 

12 **44' - 10.75"[1368.4cm]** 

13 **44' - 10.75"[1368.4cm]** 

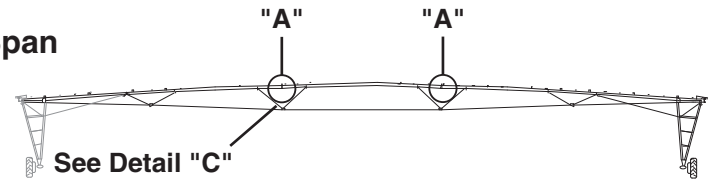
ITEM	DESCRIPTION	Part #		
		108" Spacing	60" Spacing	30" Spacing
8	Swivel Pipe	9362683	9362701	9362768
9	25' Intermediate Pipe	9362677	9362705	9362762
10	26' Intermediate Pipe	-	9362709	9362786
11	Fixed Pipe	9362685	9362703	9362770
12	45' Intermediate Pipe	9362679	9362707	9362764
13	Last Pipe	9362687	9362711	9362772

NOTE: Two (2) fixed pipes and drive units are required on all freestanding spans.

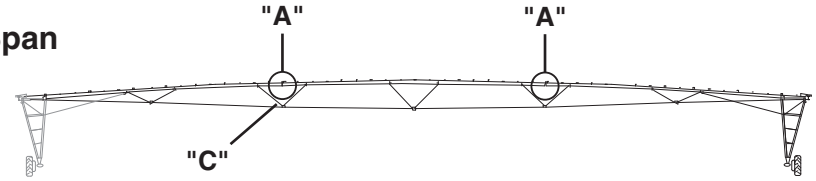
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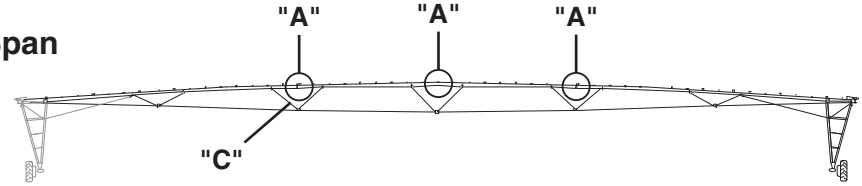
115' Span
[35.05m]



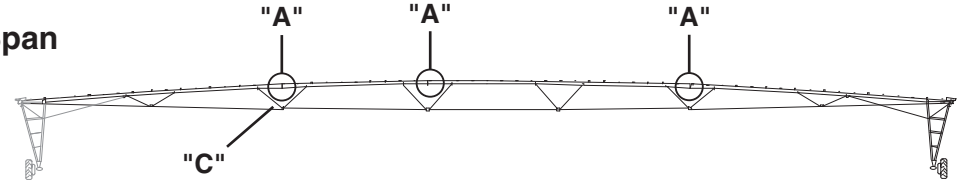
135' Span
[41.15m]



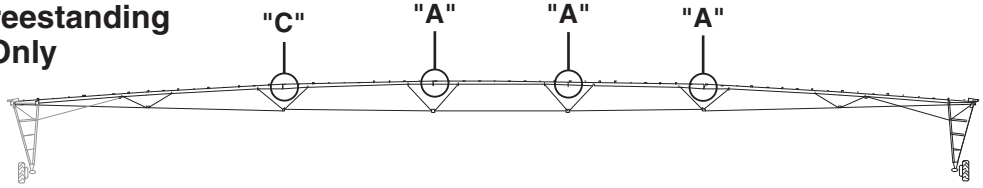
140' Span
[42.67m]



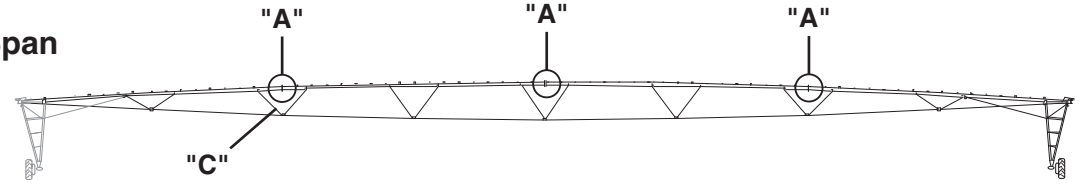
160' Span
[48.77m]



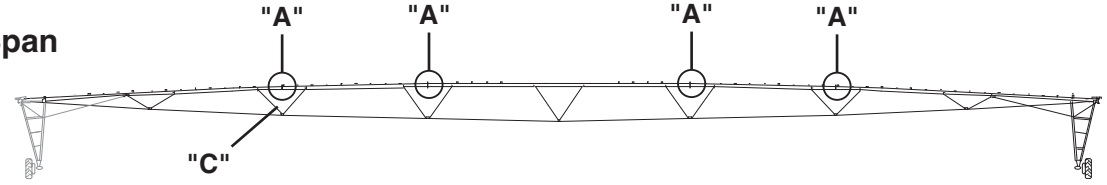
165' Freestanding Span Only
[50.29m]



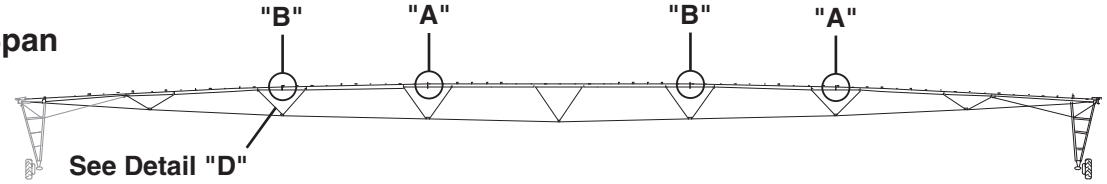
180' Span
[54.86m]



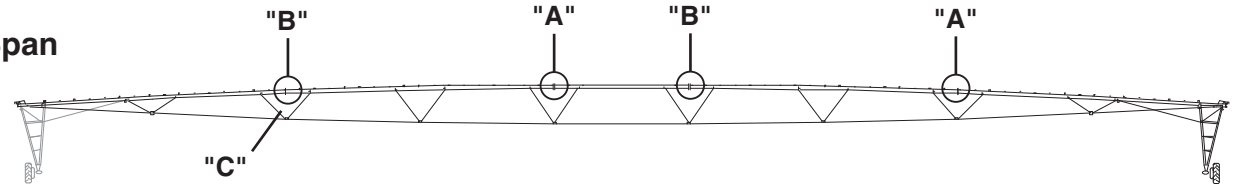
185' Span
[56.39m]



187' Span
[57.00m]



205' Span
[62.48m]

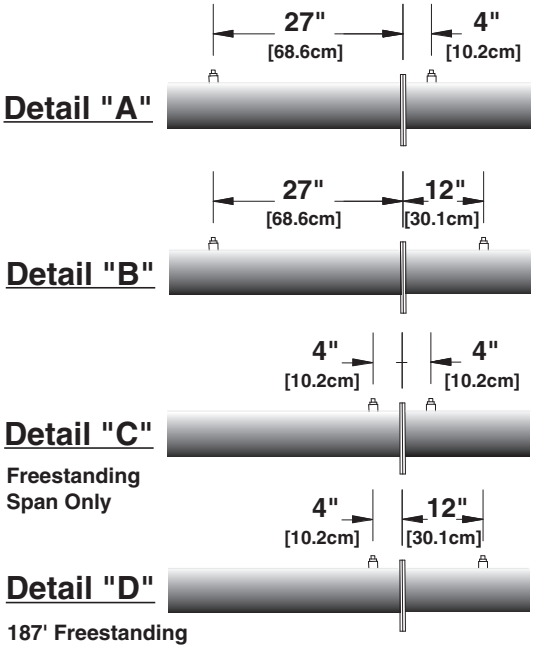


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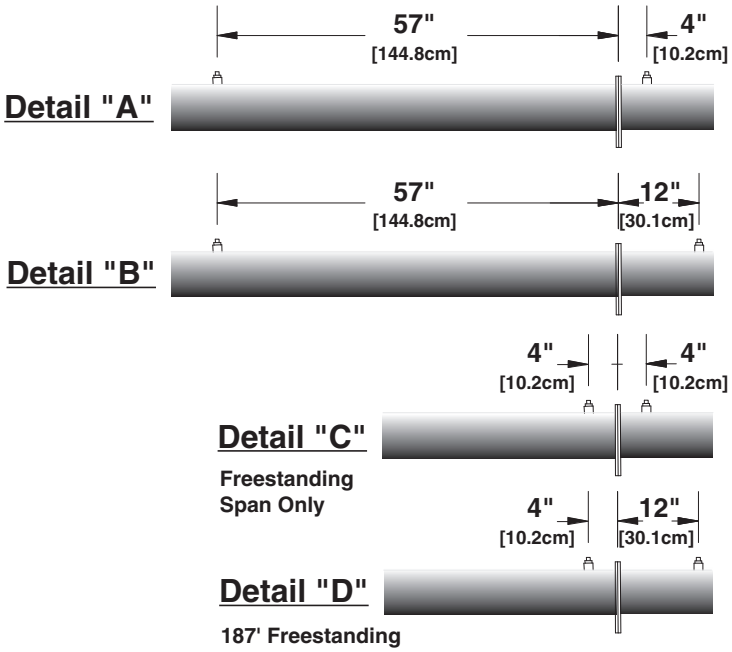
Functional Area	Assembly / Part	Rev# 01-10
6-5/8" Pipe - 30", 60" & 108" Spacing	Sprinkler Coupling Location Details	

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30" Spacing Details

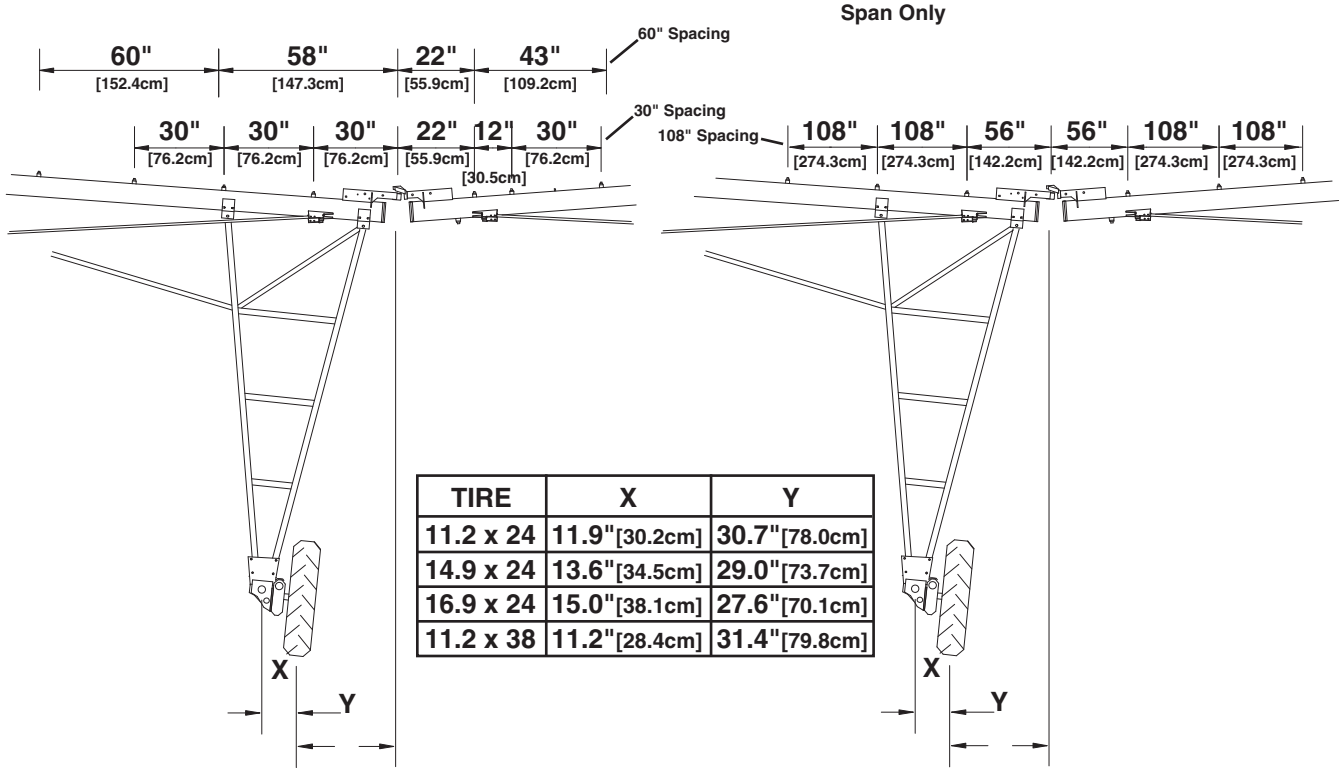


60" Spacing Details



108" Spacing Detail

NOTE: Sprinkler outlets on all 108" spaced intermediate pipe are symmetrically spaced. Specific pipe orientation is not required for correct sprinkler installation.

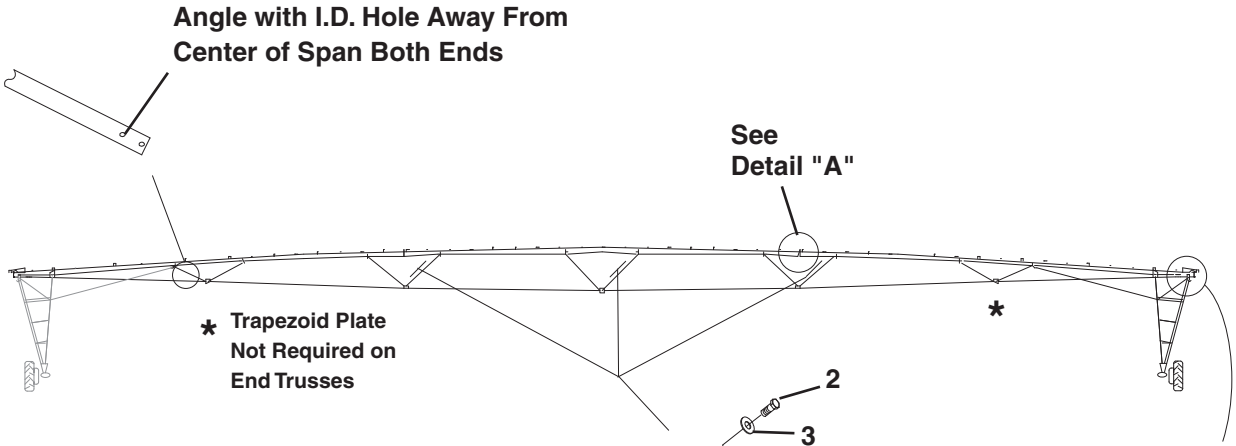


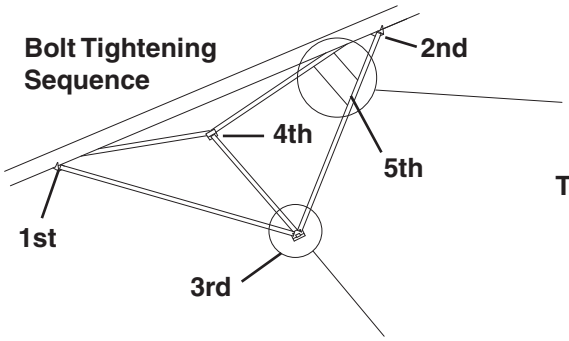
TIRE	X	Y
11.2 x 24	11.9"[30.2cm]	30.7"[78.0cm]
14.9 x 24	13.6"[34.5cm]	29.0"[73.7cm]
16.9 x 24	15.0"[38.1cm]	27.6"[70.1cm]
11.2 x 38	11.2"[28.4cm]	31.4"[79.8cm]

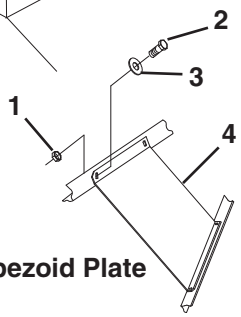
NOTE: The "Y" dimension can vary ±3.0" depending on span length and crown.

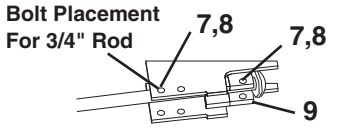
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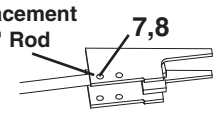




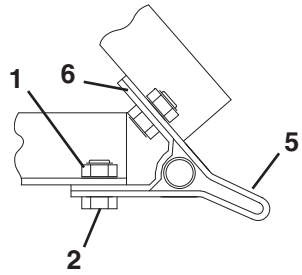


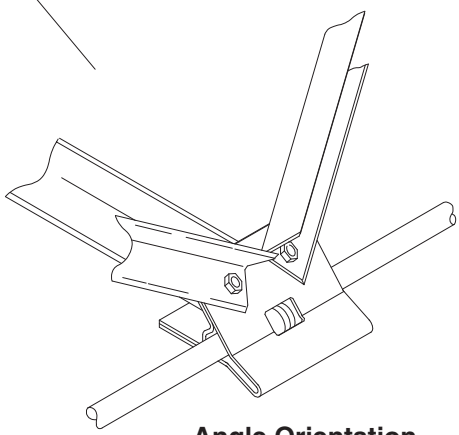


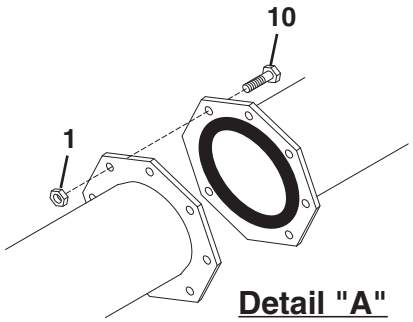
115', 135', 140', & 160' Spans
[35.05m][41.15m][42.67m] [48.77m]



180', 185' & 187' Spans
[54.86m][56.39m] [57.00m]







Detail "A"
(no Gasket req'd)

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	Truss Rod Spacer	9360080
10	1/2" x 2-1/2" Cap Screw	0161023

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MODEL 8120P

ADD & FREESTANDING PolySpans
6-5/8" PIPE
75.5"[191.8cm] & 113"[287.0cm]
COUPLER SPACING

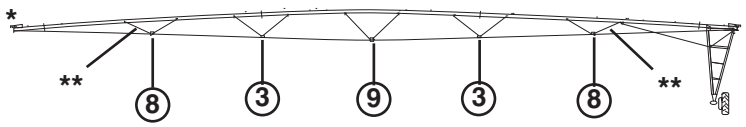


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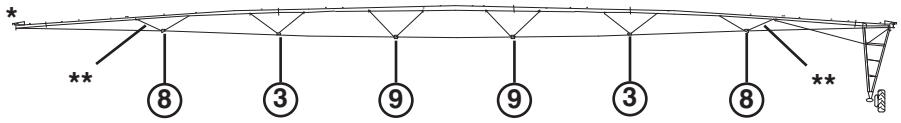
Functional Area	Assembly / Part	Rev# 01-10
6-5/8" Pipe - 75.5" & 113" Spacing	Truss Package Locations	

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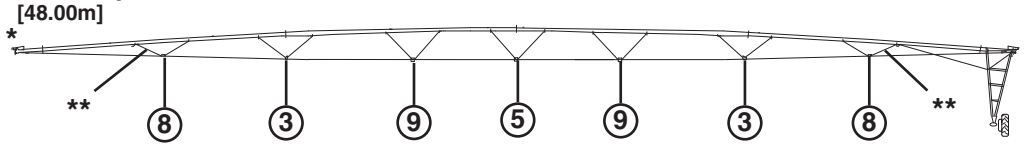
123.4' Span
[37.61m]



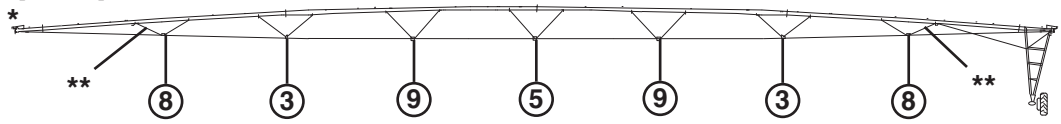
142.3' Span
[43.37m]



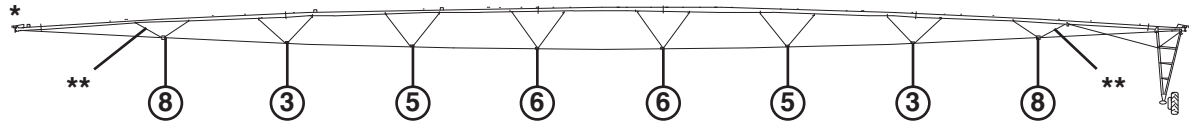
157.5' Span
[48.00m]



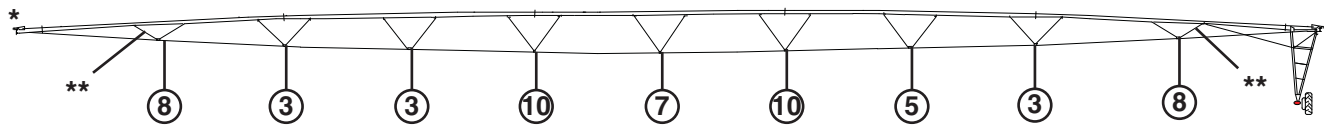
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]



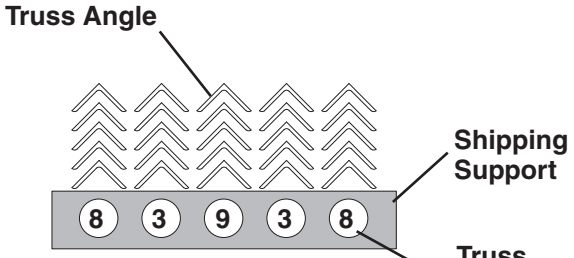
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

****** NOTE: Location of longer diagonal w/I.D. hole.**

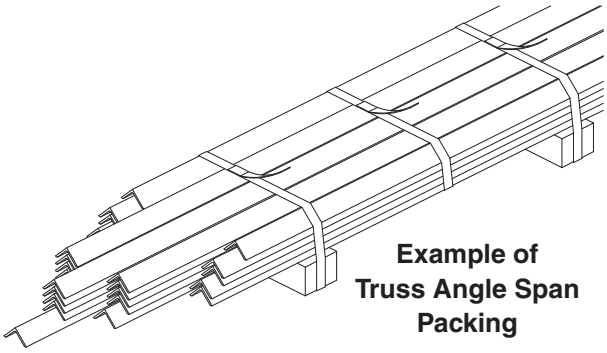
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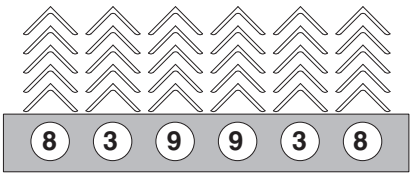
Reference Assembly Detail Page for Exact Location of Truss Packages



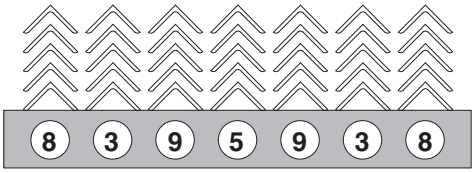
123.4'[37.61m] Truss Angle Span Pack (KA09364)



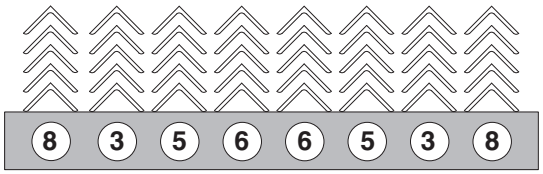
Example of Truss Angle Span Packing



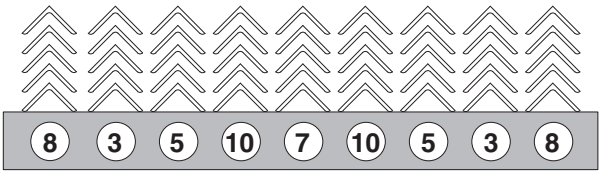
142.3'[43.37m] Truss Angle Span Pack (KA09283)



157.5'[48.00m] & 161.2'[49.12m] Truss Angle Span Pack (KA09285)



180'[54.88m] Truss Angle Span Pack (KA09288)



198.9'[60.63m] Truss Angle Span Pack (KA09290)

NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

TRUSS PKG #	DIAGONAL			SPREADER		
	Part #	Overall Length		Part #	Overall Length	
		Inches	cm		Inches	cm
3	9360050	82.78"	[210.3cm]	9360051	92.69"	[235.4cm]
5	9360054	97.25"	[247.0cm]	9360055	115.03"	[292.2cm]
6	9360056	102.56"	[260.5cm]	9360057	122.94"	[312.3cm]
8	9360735**	63.36"	[160.9cm]	9360736	56.00"	[142.2cm]
	9360734	60.67"	[154.1cm]	-	-	-
9	9360706	92.71"	[235.5cm]	9360707	108.16"	[274.7cm]
10	9360704	108.50"	[275.6cm]	9360705	131.63"	[334.3cm]

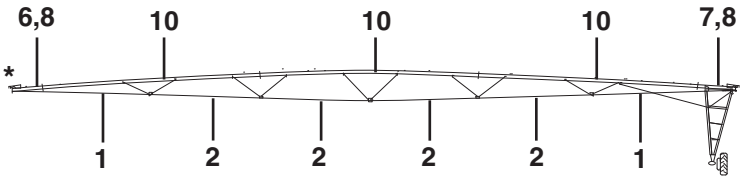
** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.

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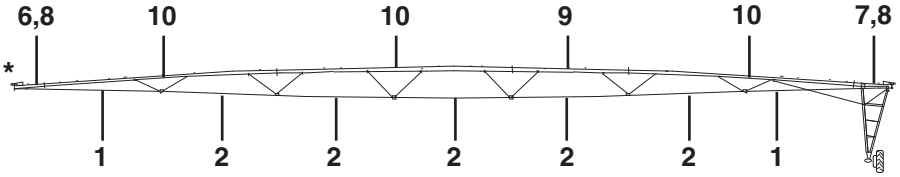
PolySpan® MODEL 8120P

PRIOR to February 2012

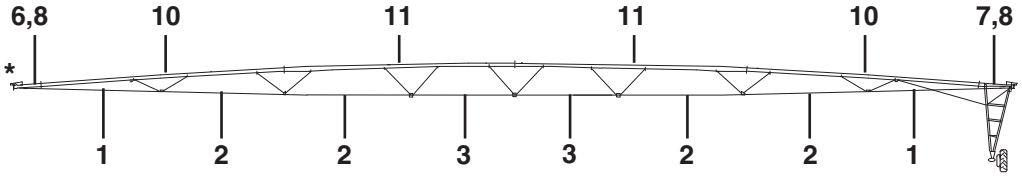
123.4' Span
[37.61m]



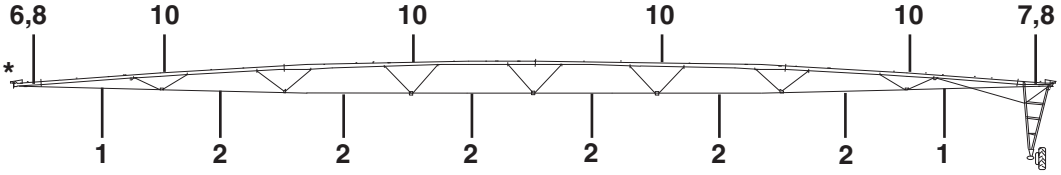
142.3' Span
[43.37m]



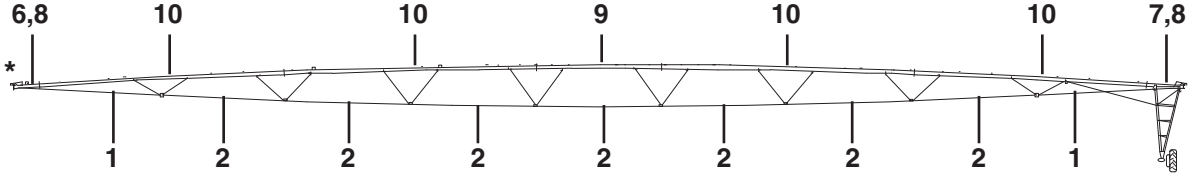
157.5' Span
[48.00m]



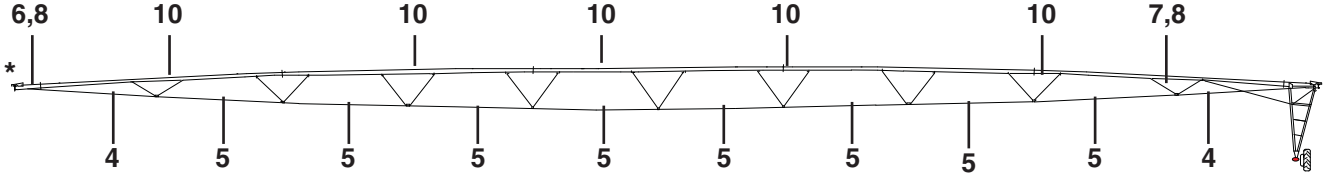
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]

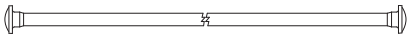


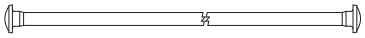
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

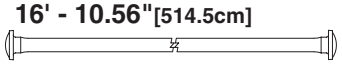
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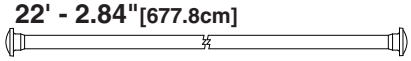
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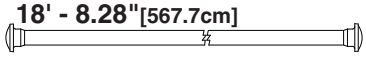
PRIOR to February 2012

22' - 2.84"[677.8cm] Head/Head
1  **Purple 3/4" 9360683**

18' - 8.28"[567.7cm] Head/Head
2  **Gold 3/4" 9360682**

16' - 10.56"[514.5cm]
3  **3/4" 9362511**

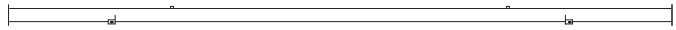
22' - 2.84"[677.8cm]
4  **Brown 13/16" 9360718**

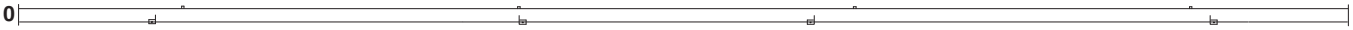
18' - 8.28"[567.7cm]
5  **Flourescent Green 13/16" 9360719**

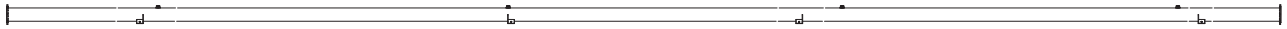
5' - 0.50"[153.7cm]
6 

4' - 9.28"[145.5cm]
7 

5' - 0.50"[153.7cm]
8 

18' - 10.41"[575.1cm]
9 

37' - 9.00"[1150.6cm]
10 

35' - 11.25"[1095.4cm]
11 

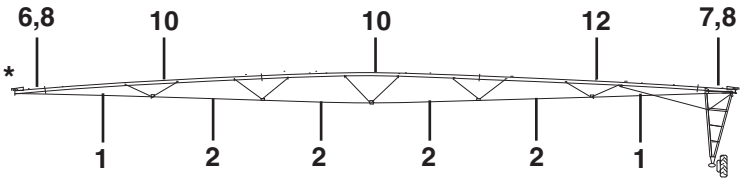
Item	Description	Part #	
6	Swivel Stub Pipe (5'-0.50")[153.7cm]	9362671	
7	Last Stub Pipe (4'-9.47")[145.9cm]	9362673	
8	Fixed Stub Pipe (5'-0.50")[153.7cm]	9362675	
		75.5"[191.8cm]	113"[287.0cm]
9	19' Intermediate Pipe (18'-10.41")[575.1cm]	9362667	9362788
10	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9362665	9362791
11	36' Intermediate Pipe (35'11.25")[1095.4cm]	9362713	N/A

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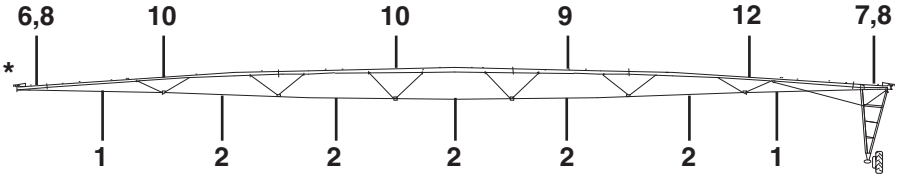
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EFFECTIVE
February 2012

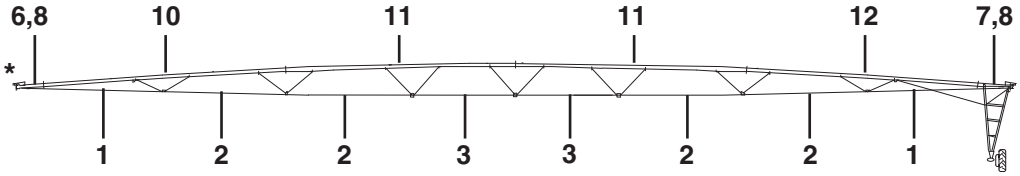
123.4' Span
[37.61m]



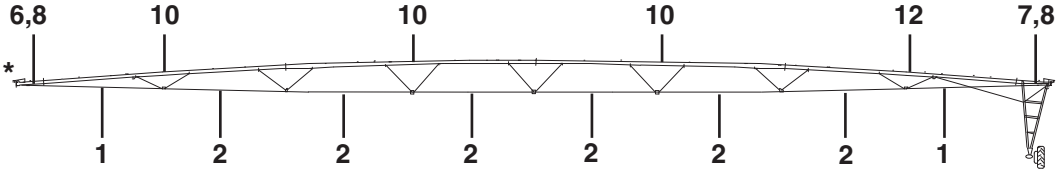
142.3' Span
[43.37m]



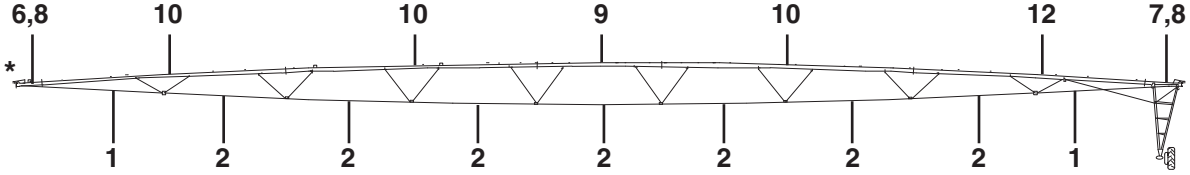
157.5' Span
[48.00m]



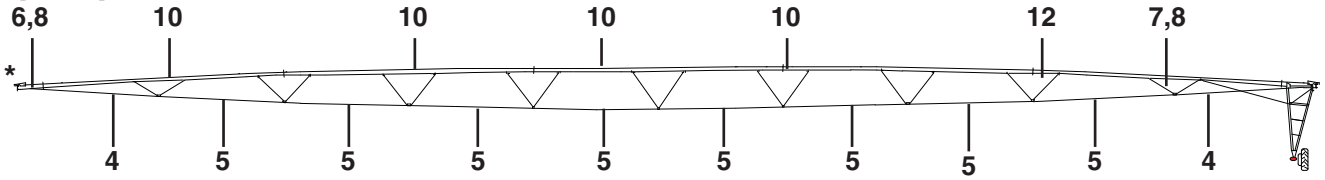
161.2' Span
[49.12m]



180' Span
[54.88m]



198.9' Span
[60.63m]

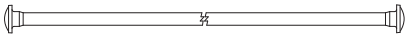


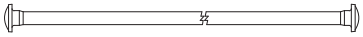
***NOTE: Fixed Stub and Drive Unit are used at both ends of Freestanding Spans.**

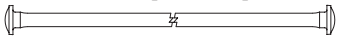
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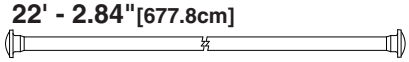
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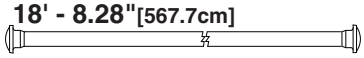
EFFECTIVE
February 2012

1 **22' - 2.84"[677.8cm] Head/Head**  **Purple 3/4" 9360683**

2 **18' - 8.28"[567.7cm] Head/Head**  **Gold 3/4" 9360682**

3 **16' - 10.56"[514.5cm]**  **3/4" 9362511**

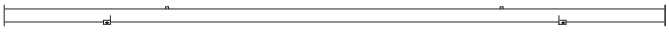
4 **22' - 2.84"[677.8cm]**  **Brown 13/16" 9360718**

5 **18' - 8.28"[567.7cm]**  **Flourescent Green 13/16" 9360719**

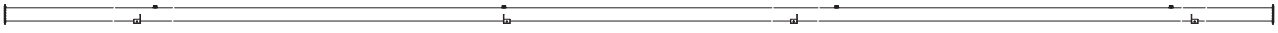
6 **5' - 0.50"[153.7cm]** 

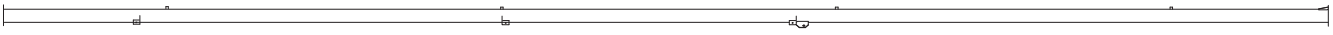
7 **4' - 9.28"[145.5cm]** 

8 **5' - 0.50"[153.7cm]** 

9 **18' - 10.41"[575.1cm]** 

10 **37' - 9.00"[1150.6cm]** 

11 **35' - 11.25"[1095.4cm]** 

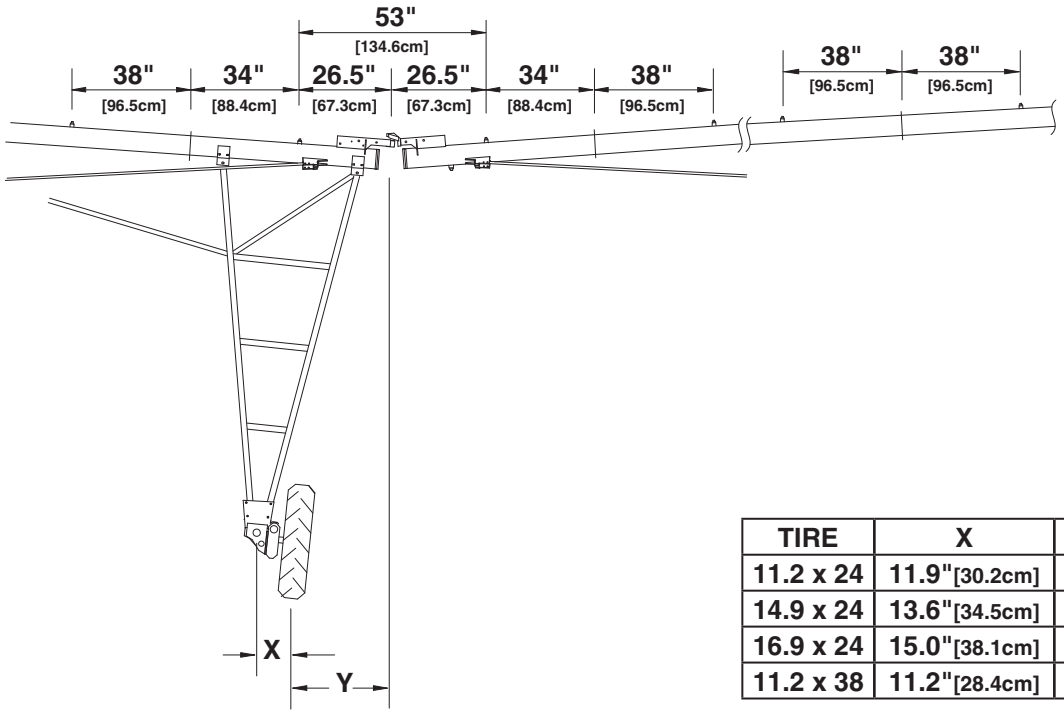
12 **37' - 9.00"[1150.6cm]** 

Item	Description	Part #	
6	Swivel Stub Pipe (5'-0.50")[153.7cm]	9362671	
7	Last Stub Pipe (4'-9.47")[145.9cm]	9362673	
8	Fixed Stub Pipe (5'-0.50")[153.7cm]	9362675	
		75.5"[191.8cm]	113"[287.0cm]
9	19' Intermediate Pipe (18'-10.41")[575.1cm]	9362667	9362788
10	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9362665	9362791
11	36' Intermediate Pipe (35'11.25")[1095.4cm]	9362713	N/A
12	38' Tower Pipe (37'-9.00")[1150.6cm]	9363963	9363961

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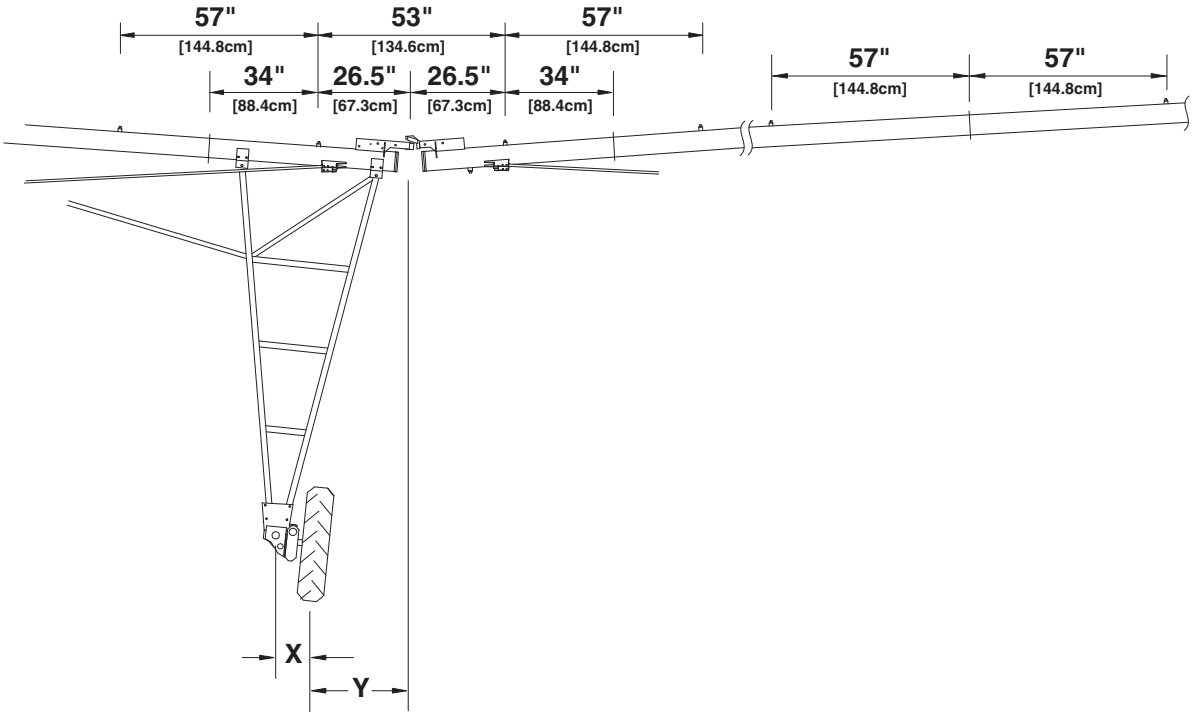
PolySpan® MODEL 8120P

75.5" Spacing Details



TIRE	X	Y
11.2 x 24	11.9"[30.2cm]	30.7"[78.0cm]
14.9 x 24	13.6"[34.5cm]	29.0"[73.7cm]
16.9 x 24	15.0"[38.1cm]	27.6"[70.1cm]
11.2 x 38	11.2"[28.4cm]	31.4"[79.8cm]

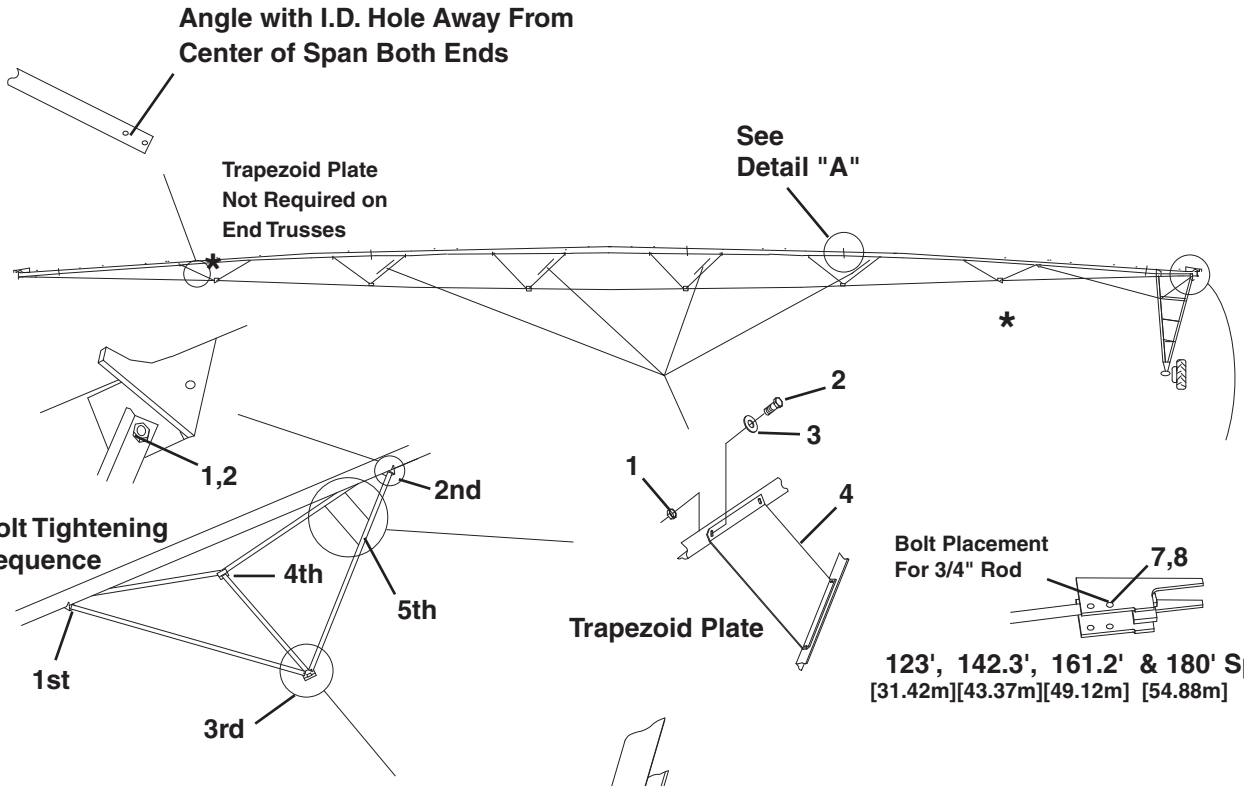
113" Spacing Details

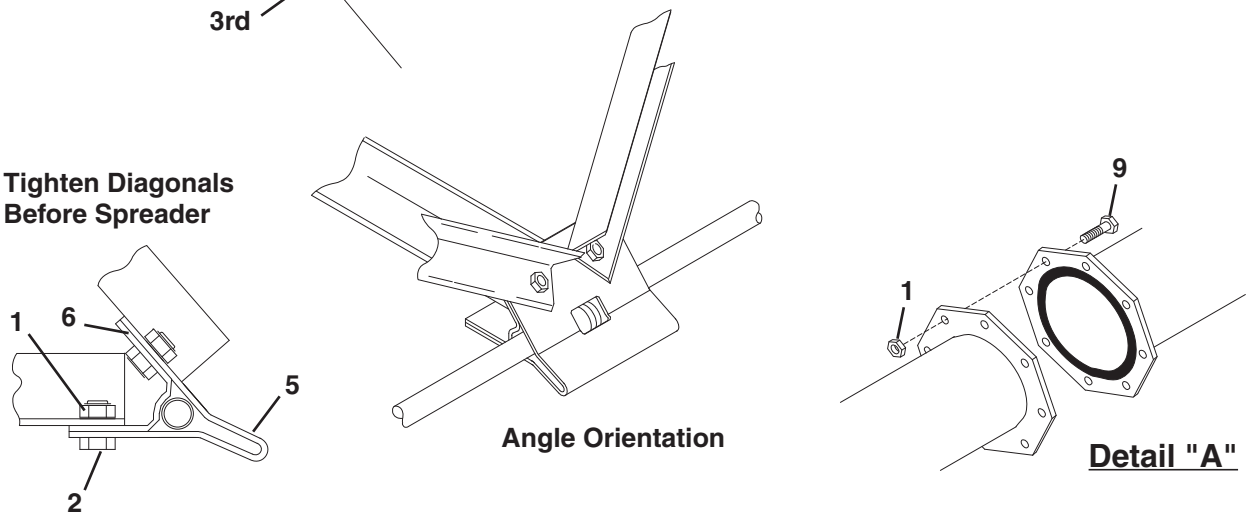


NOTE: The "Y" dimension can vary ±3.0" depending on span length and crown.

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PolySpan® MODEL 8120P

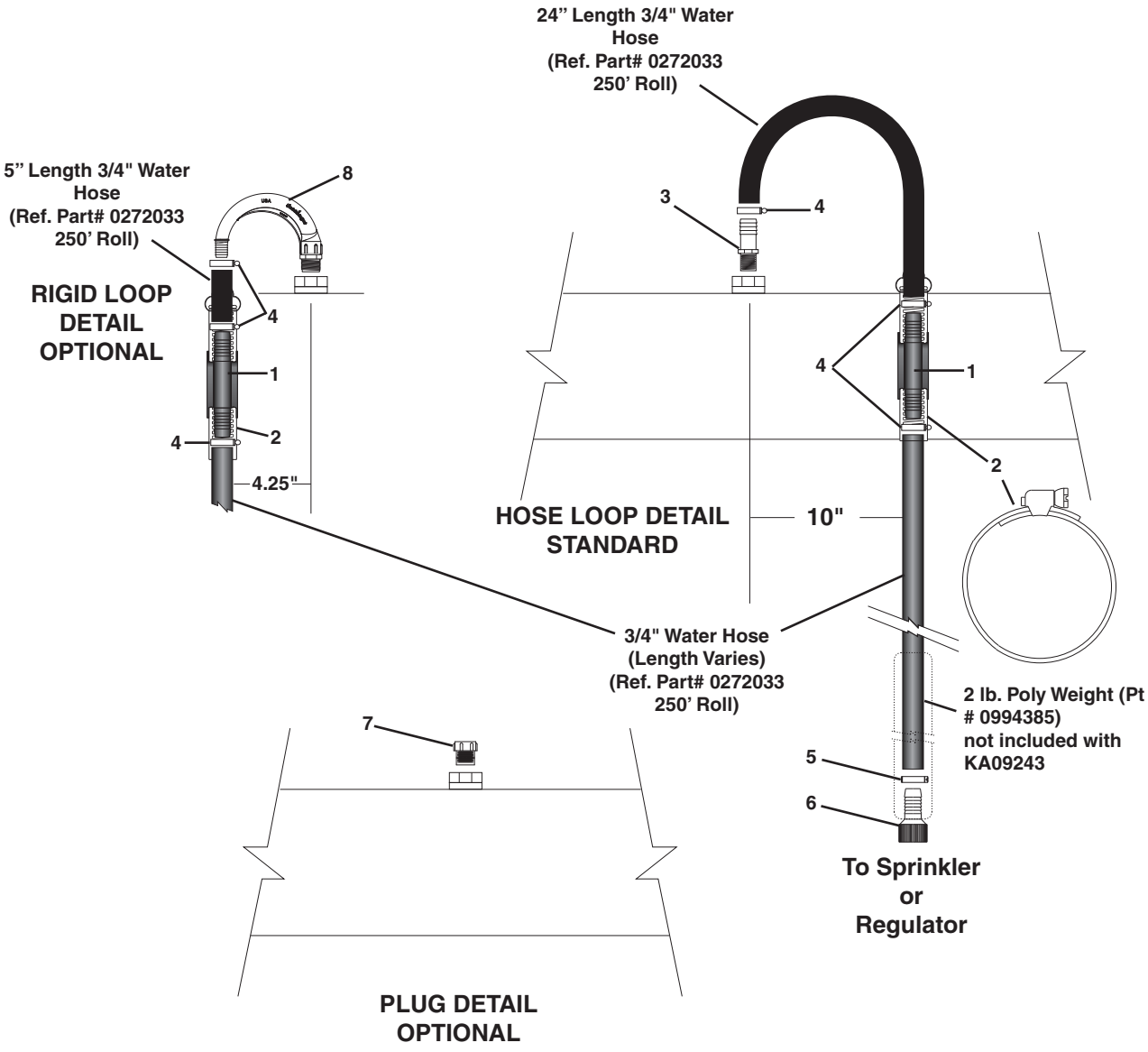




ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	1/2" x 2-1/2" Cap Screw	0161023

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PolySpan® MODEL 8120P

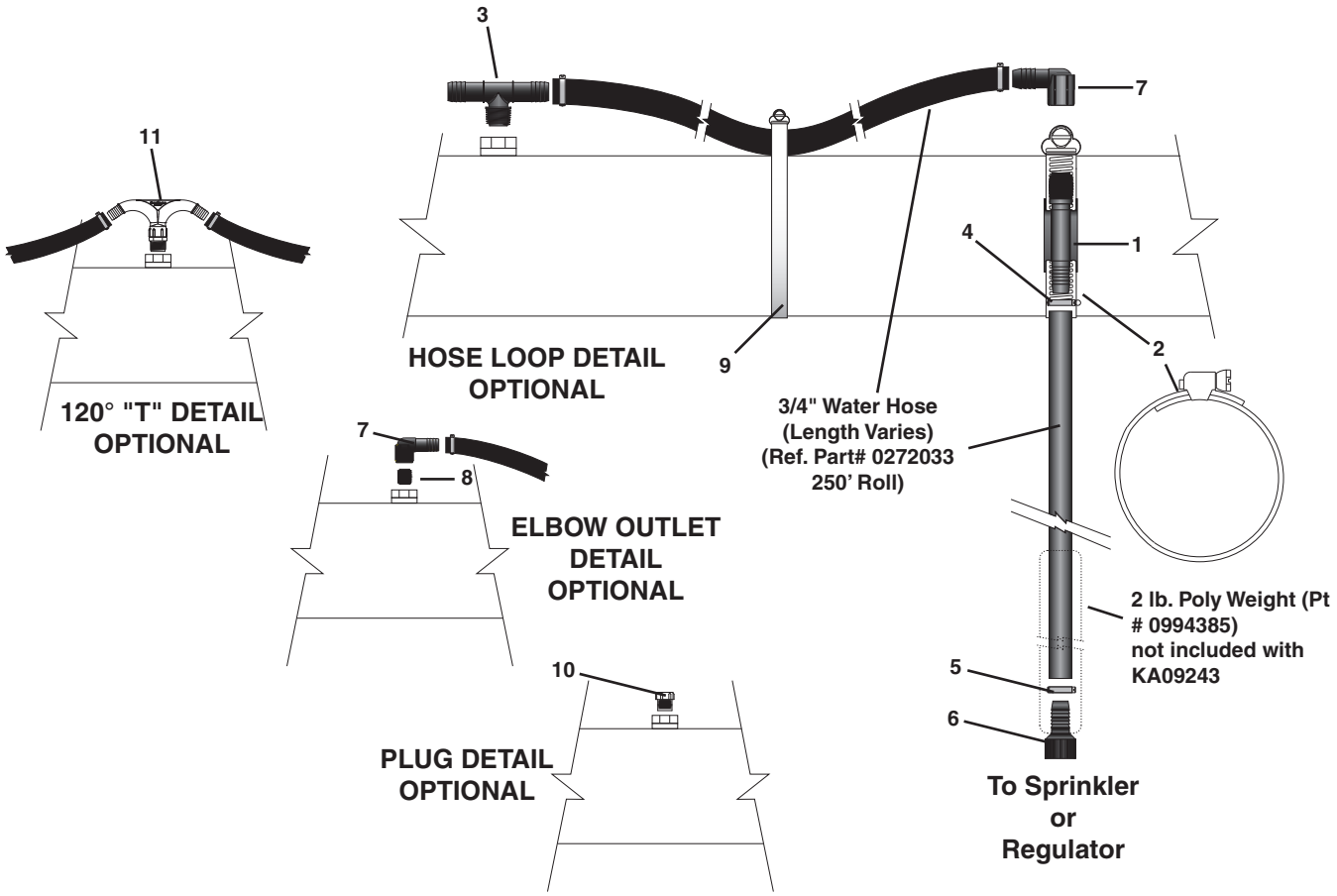


ITEM	DESCRIPTION	PART#
1	3/4" Adj. Hose Barb Connection	9360365
2	6-5/8" Screw Clamp	0271087*
3	3/4" NPT x 3/4" Insert Fitting	0271077
4	1-1/4" Hose Drop Clamp	0271084
5	1-1/16" Crimp Hose Clamp	0271080
6	3/4" NPT Female x 3/4" Hose Barb	0271082
7	3/4" NPT Pipe Plug - PVC	0246193
8	3/4" MNPT x 3/4" Hose Barb U-Pipe	0246222

*Sprinkler Hardware Kit 6-5/8" Items 1-4 ..... KA09243

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PolySpan® MODEL 8120P



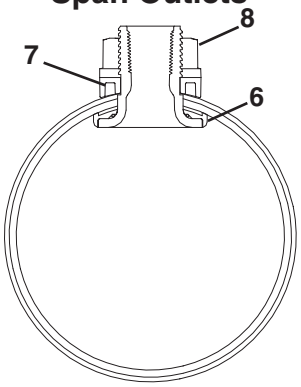
ITEM	DESCRIPTION	PART#
1	3/4" Adj. Insert Connection	9360956
2	6-5/8" Screw Clamp	0271087*
3	3/4" x 3/4" Insert x 3/4" NPT Tee Fitting	0242061
4	1-1/4" Hose Drop Clamp	0271084
5	1-1/16" Crimp Hose Clamp	0271080
6	3/4" NPT Female x 3/4" Hose Barb	0271082
7	3/4" FNPT x 3/4" PVC Insert - 90°	0271104
8	3/4" NPT x 1-1/2" PVC Nipple	0211103
9	Hydraulic Tube Clamp	0271021
10	3/4" NPT Pipe Plug - PVC	0246193
11	3/4" Double Barb Gooseneck	0274021

*90° Elbow 6-5/8" Hardware Kit KA09368

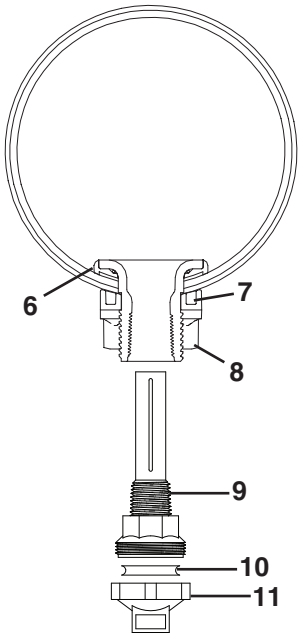
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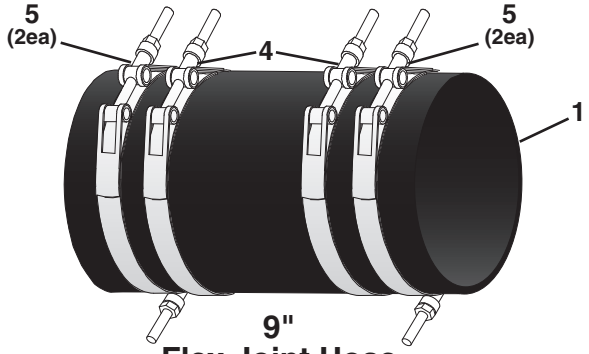
PolySpan® MODEL 8120P

Span Outlets

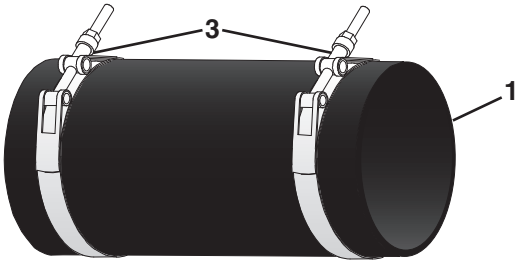


Span Drains

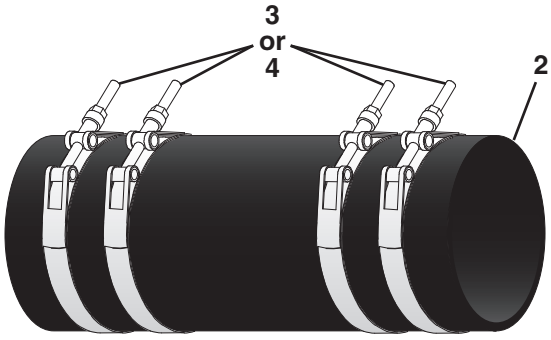




9"
Flex Joint Hose



7"
Flex Joint Hose



ITEM	DESCRIPTION	PART #
1	7" Flex Joint Hose	0995628
	9" Flex Joint Hose	0996027
2	7" Flex Boot - 20" Long - Rough Terrain	0996625
	9" Flex Boot - 20" Long - Rough Terrain	0996669
3	7" Flex Joint Clamp	0995627
4	9" Flex Joint Clamp	0996085
5	4-1/2" Flex Joint Clamp	0270001
6	3/4" Compression Assembly	0246217
7	3/4" Support Washer	0246214
8	3/4" Compression Nut	0246213
9	3/4" Upper Drain Body	0246227
10	Drain Seal	0232568
11	Lower Drain Body	0232004

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ADD & FREESTANDING SPANS

Model 5000

2 Wheel Linear - Effective 11/10

Description	Rev. #	Pg. #
5" Pipe - 108" Coupler Spacing		
Truss Package Locations	11-10	10-4
Truss Angle Packages	11-10	10-5
Pipe/Truss Rod Locations	11-10	10-6
Pipes/Truss Rods	10-17	10-7
Assembly Details	11-10	10-8
Grounding Jumper, Flex Joint & Tower Box Mounting	11-10	10-9

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2WLAF50010
10-17

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MODEL 5000

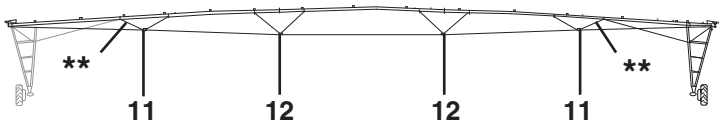
ADD & FREESTANDING SPANS
5" PIPE
108" COUPLER SPACING



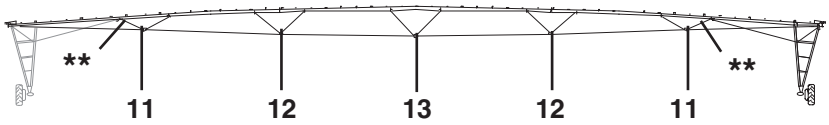
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MODEL 5000

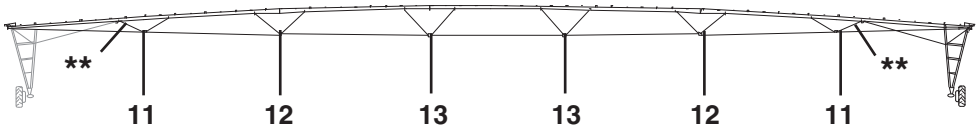
112.5' Span



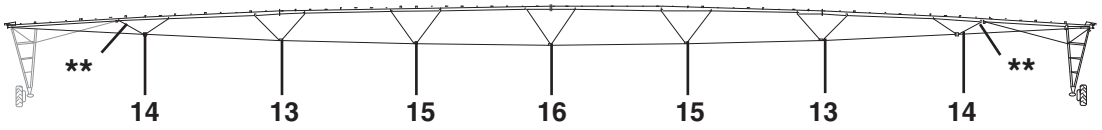
135' Span



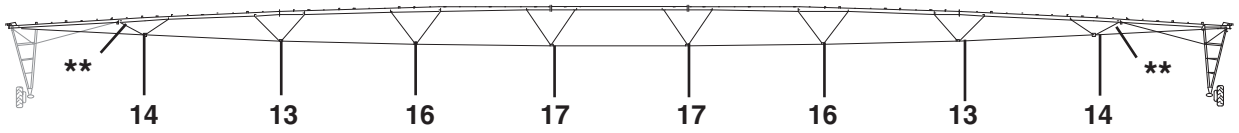
157.5' Span



180' Span



202.5' Span

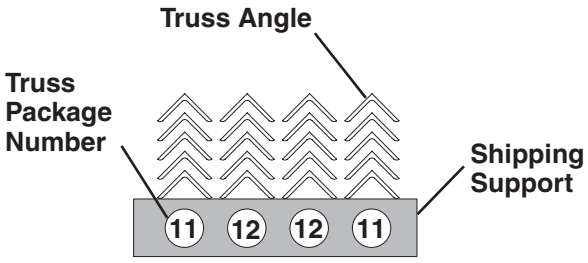


** NOTE: This is the location of the longer diagonal with the I.D. hole.

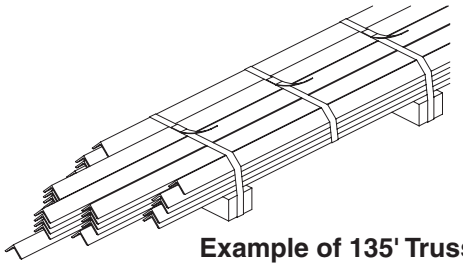
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MODEL 5000

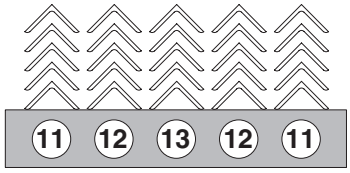
Reference Assembly Detail Page for Exact Location of Truss Packages



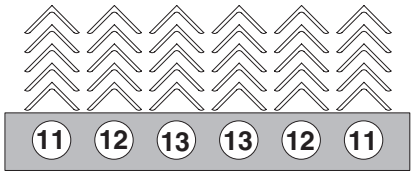
112.5' Truss Angle Span Pack (KA09667)



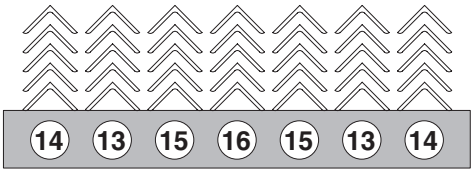
Example of 135' Truss Angle Span Packing



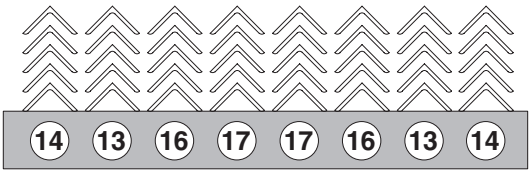
135' Truss Angle Span Pack (KA09436)



157.5' Truss Angle Span Pack (KA09438)



180' Truss Angle Span Pack (KA09440)



202.5' Truss Angle Span Pack (KA09840)

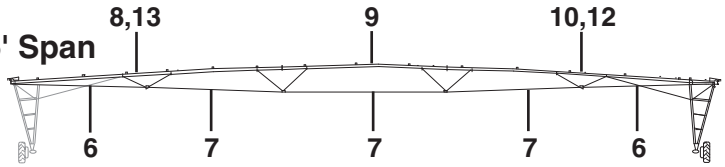
NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

TRUSS PKG #	DIAGONAL		SPREADER	
	Part #	Overall Length	Part #	Overall Length
11	9360046	58.42"	9361201	44.69"
	9360073	55.38"	-	-
12	9361202	72.97"	9361203	76.44"
13	9361204	82.78"	9361205	92.69"
14	9360052	61.68"	9361207	52.25"
	9360074	58.81"	-	-
15	9361208	97.25"	9361209	115.03"
16	9361210	102.56"	9361211	122.94"
17	9361252	112.09"	9361253	136.84"

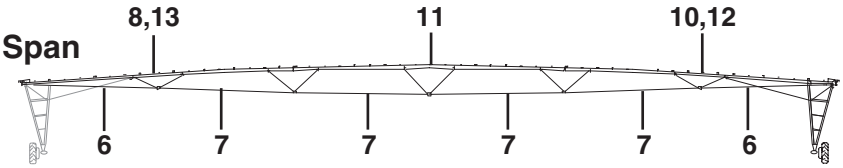
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MODEL 5000

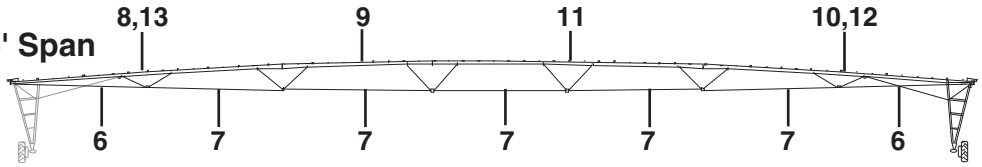
112.5' Span



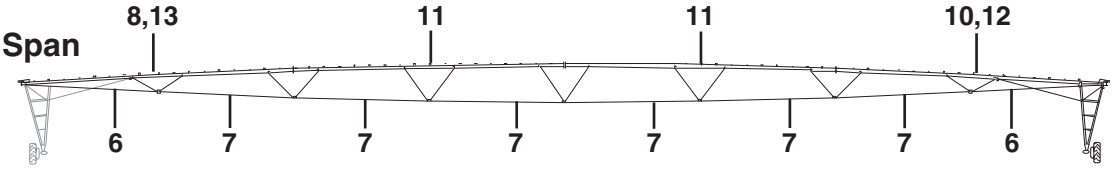
135' Span



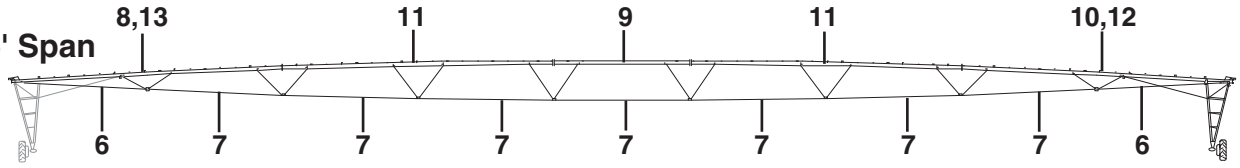
157.5' Span



180' Span

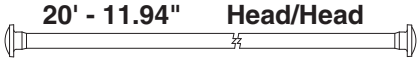


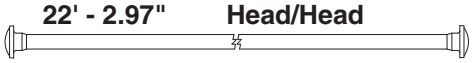
202.5' Span



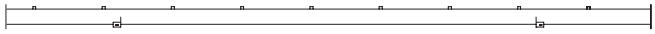
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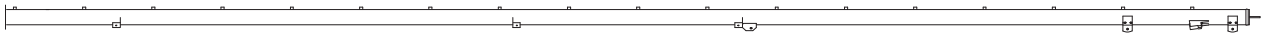
MODEL 5000

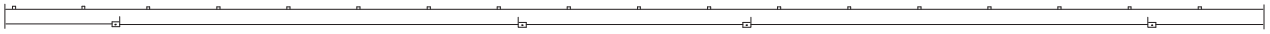
6 **20' - 11.94" Head/Head**  **Black** **9363465 - 11/16" Tower**

7 **22' - 2.97" Head/Head**  **Safety Green LT** **9363175 - 11/16" Standard Intermediate**

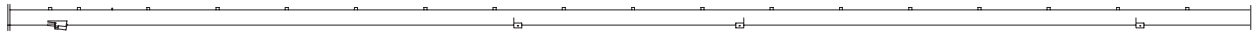
8 **45' - 1.88"** 

9 **22' - 5.28"** 

10 **45' - 1.88"** 

11 **44' - 10.75"** 

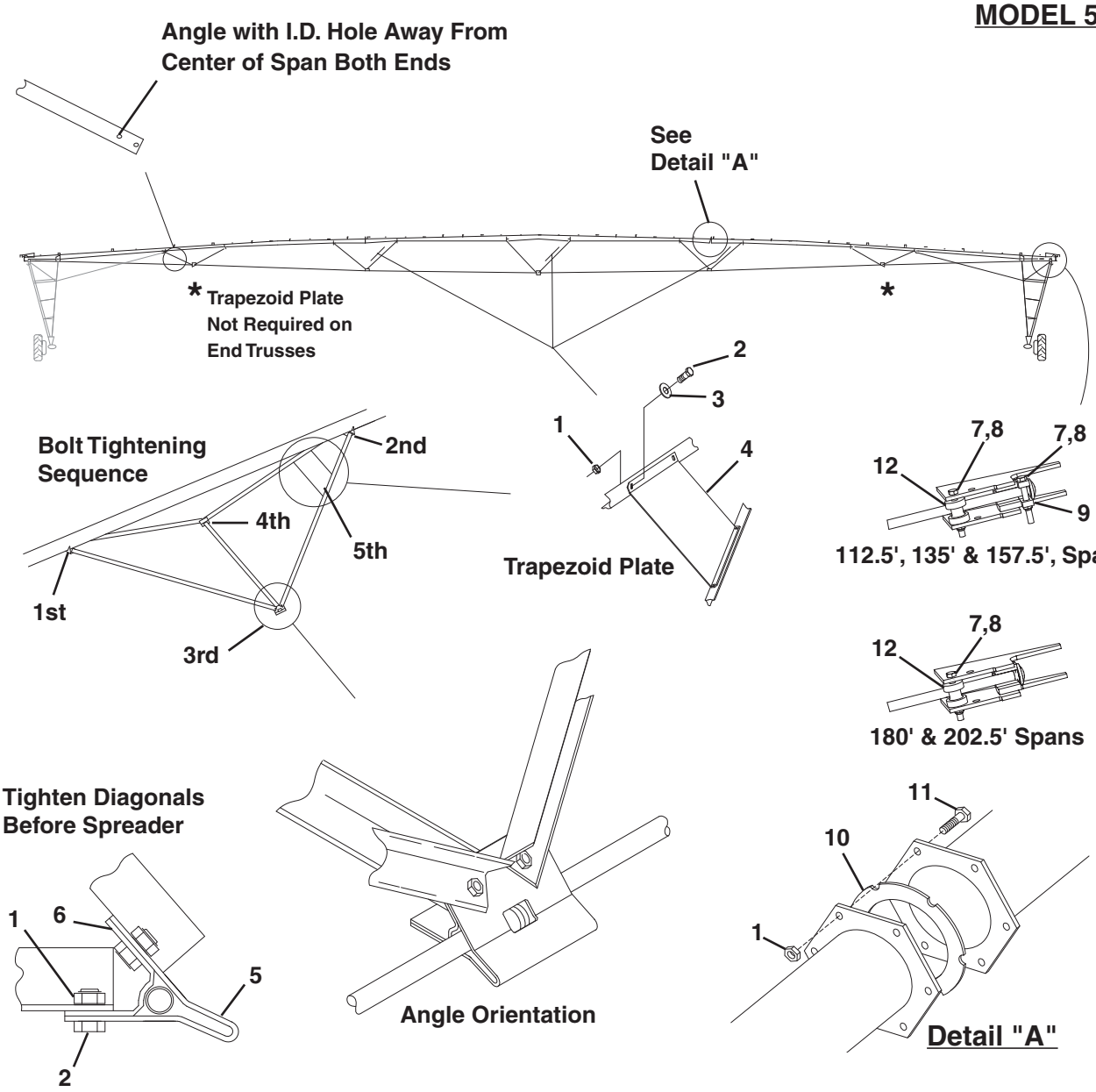
12 **44' - 10.75"** 

13 **44' - 10.75"** 

ITEM	8	9	10	11	12	13
DESCRIPTION	Swivel	22.5' Inter.	Fixed	45' Inter.	Last	Pivot
Galvanized	9363298	9363290	9363296	9363288	9363292	9363294

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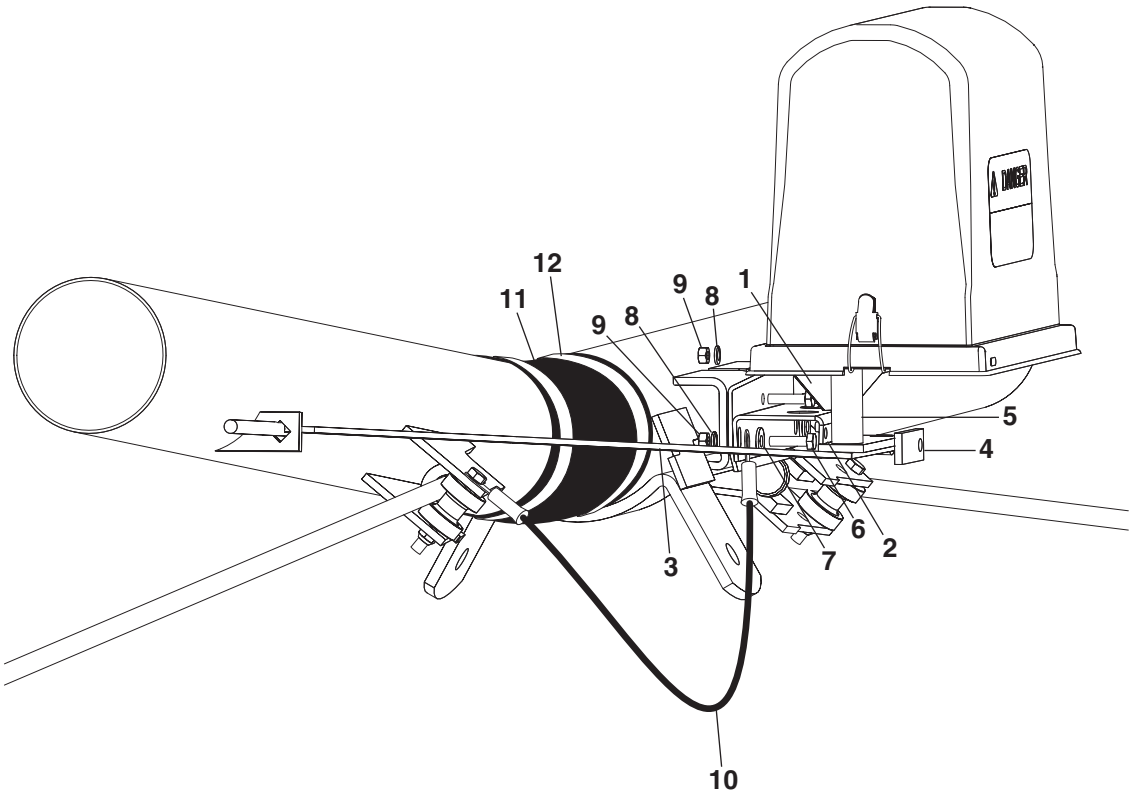
MODEL 5000



ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9363186
6	Inner Socket	9362582
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	Truss Rod Spacer	9362854
10	5" Gasket	0996071
11	1/2" x 2" Cap Screw	0161024
12	Bolt Spacer for 5/8" Truss Rod	9362578

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MODEL 5000



ITEM	DESCRIPTION	PART #
1	Tower Box Mounting Plate	1702054
2	Sensor Bearing Support Plate	1702294
3	Control Bar Assm.	1701295
4	Switch & Arm Assm.	1701262
5	Sensor Bearing & Bushing	1703336
6	5/16" x 1-3/4" Cap Screw	0161051
7	5/16" Flat Washer	0142017
8	5/16" Lock Washer	0141008
9	5/16" Hex Nut	0131037
10	Grounding Jumper Wire - 42" Long	1811173
11	Flex Joint Hose - 5" I.D.	0996080
12	T-Bolt Clamp - 5"	0995199

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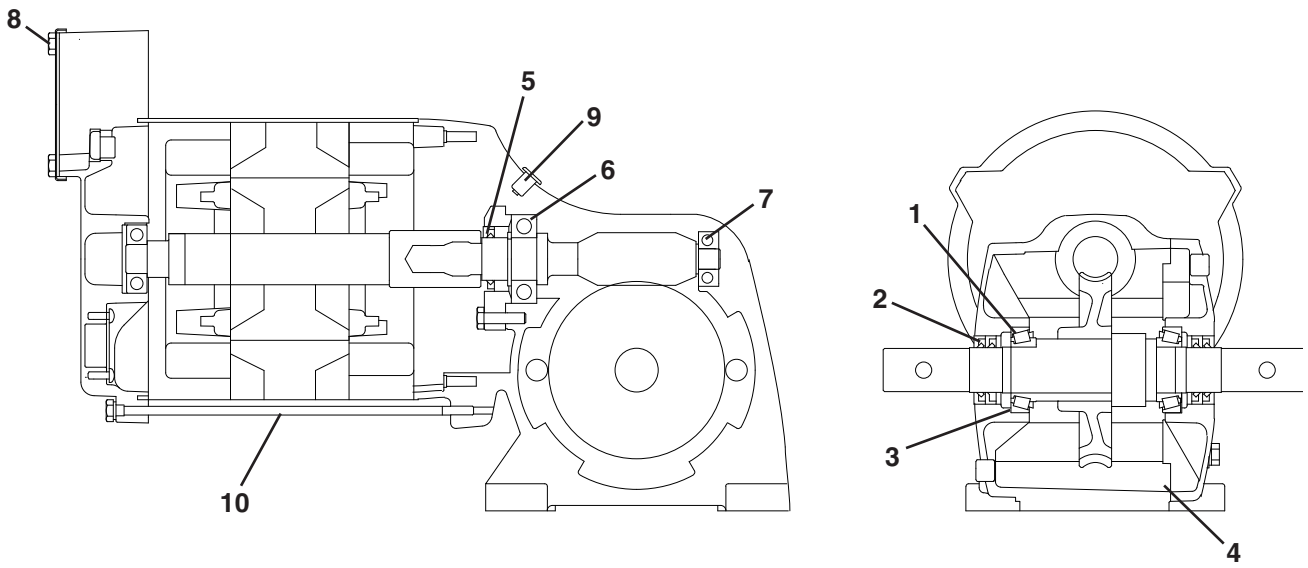
DRIVE UNIT / DRIVE TRAIN

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
Gearmotor Repair Parts	11-18	11-3
Emerson Helical Gearmotors	04-15	11-4
Baldor-Omni/Boston Helical Gearboxes	05-16	11-5
Nidec-Omni\Boston Helical Gearmotors	05-16	11-6
Greaseless U-Joint	01-10	11-7
Drive Shaft & Shields	01-10	11-8
Valmont Gearbox	12-18	11-9
Double Input Gearbox - Non-Towable	12-18	11-10
Gearboxes	03-12	11-11
Gear Lubrication	04-18	11-12
Tires and Rims	07-18	11-13
Non-Tow Basebeam Gearbox Mounts	04-16	11-14
Standard Profile Drive Unit - EFF. Oct. 1998 thru Jan. 2012	04-16	11-15
Standard Profile Drive Unit - EFFECTIVE Feb. 2012	01-19	11-16
Low Profile Drive Unit - EFF. Oct. 1998 thru Jan. 2012	04-16	11-17
Low Profile Drive Unit - EFFECTIVE Feb. 2012	04-16	11-18
High Profile Drive Unit - EFF. Oct. 1998 thru Jan. 2012	04-16	11-19
High Profile Drive Unit - EFFECTIVE Feb. 2012	01-19	11-20
Blank Page	05-15	11-21
Ultra High Profile Drive Unit	04-16	11-22
Ultra High Profile Parts List	01-10	11-23
Ultra High Profile Drive Unit - INTERNATIONAL ONLY	04-16	11-24
Ultra High Profile Parts List - INTERNATIONAL ONLY	01-10	11-25
Valley Three Wheel Option	04-16	11-26
Valley Three Wheel Option	07-13	11-27
Articulating 4-Wheel Drive	09-10	11-28
Reverse Tow	01-10	11-29

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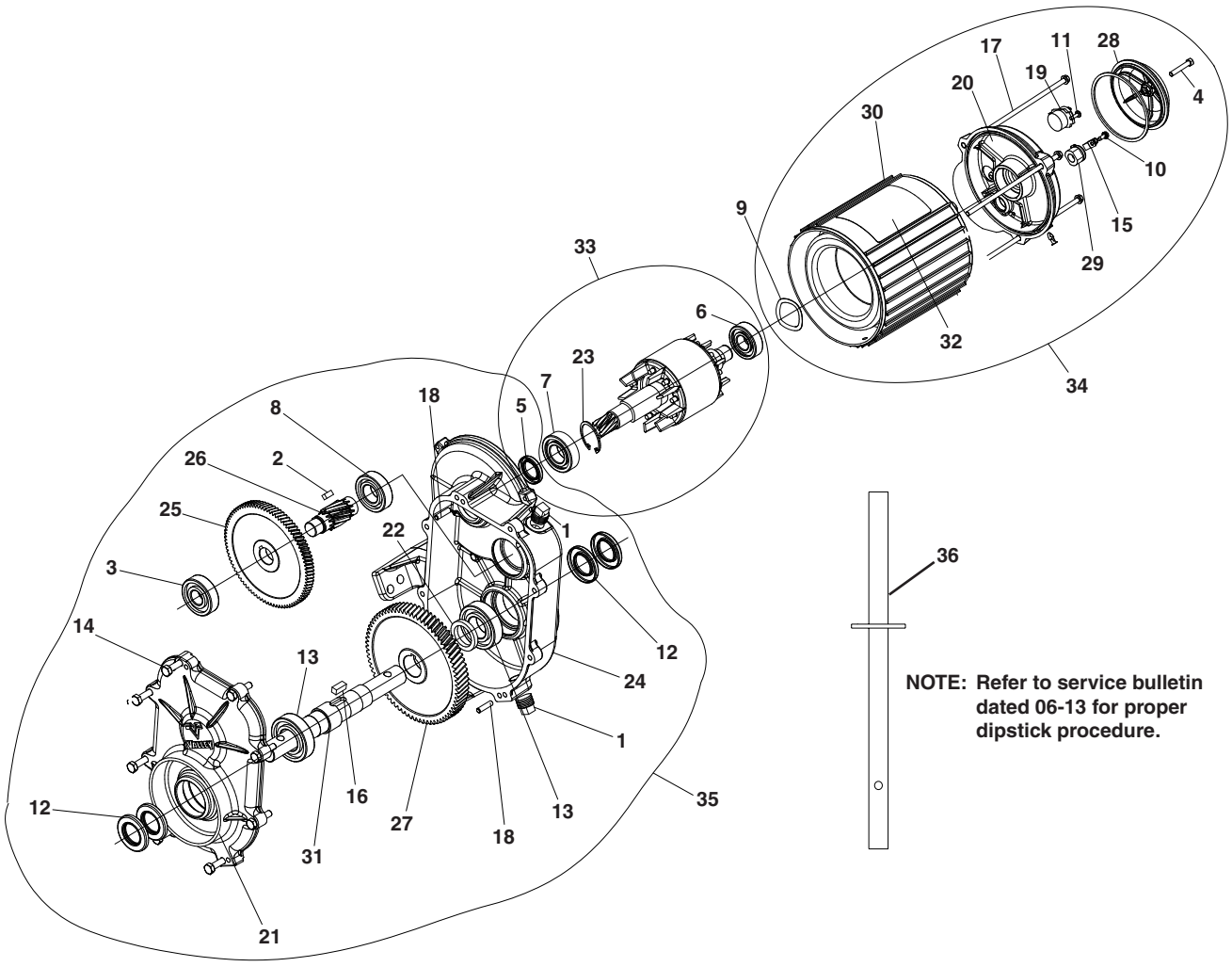
NOTE: The Worm Shaft And Worm Wheel Are Not Available As Repair Units. If Worn Or Broken, Replace With A Complete Gearbox Assembly.

ITEM	DESCRIPTION	U.S. MOTOR PART #	OMNI/BALDOR PART #
1	Output Bearing Cone	0192061	N/A
2	Output Shaft Seal	0258021	0258034
3	Output Bearing Cup	0192060	N/A
4	Gasket - End Plate	0994330	0980281
5	Input Seal	0258022	0258035
6	Input Bearing-Upper	0191060	0191081
7	Input Bearing-Lower	0191059	0191080
8	1/4"-20 x 5/8" Self Tapping Screw	0164146	N/A
9	Plastic Rivet 11/64"	0123022	0123025
10	1/4” x 7-1/4” Cap Screw	0161416	N/A

LINEAR SPANS

RPM	DESCRIPTION	INHERENT PROTECTED	HP	RATIO	WHERE USED	U.S. MOTOR PART #	BALDOR PART #
56	Gearmotor	YES	1.5	31:1	End Tower High Speed	03E2056	03E3867
	Motor Module					03E2046	03E3860
	Gearbox Module					0314928	03E3492

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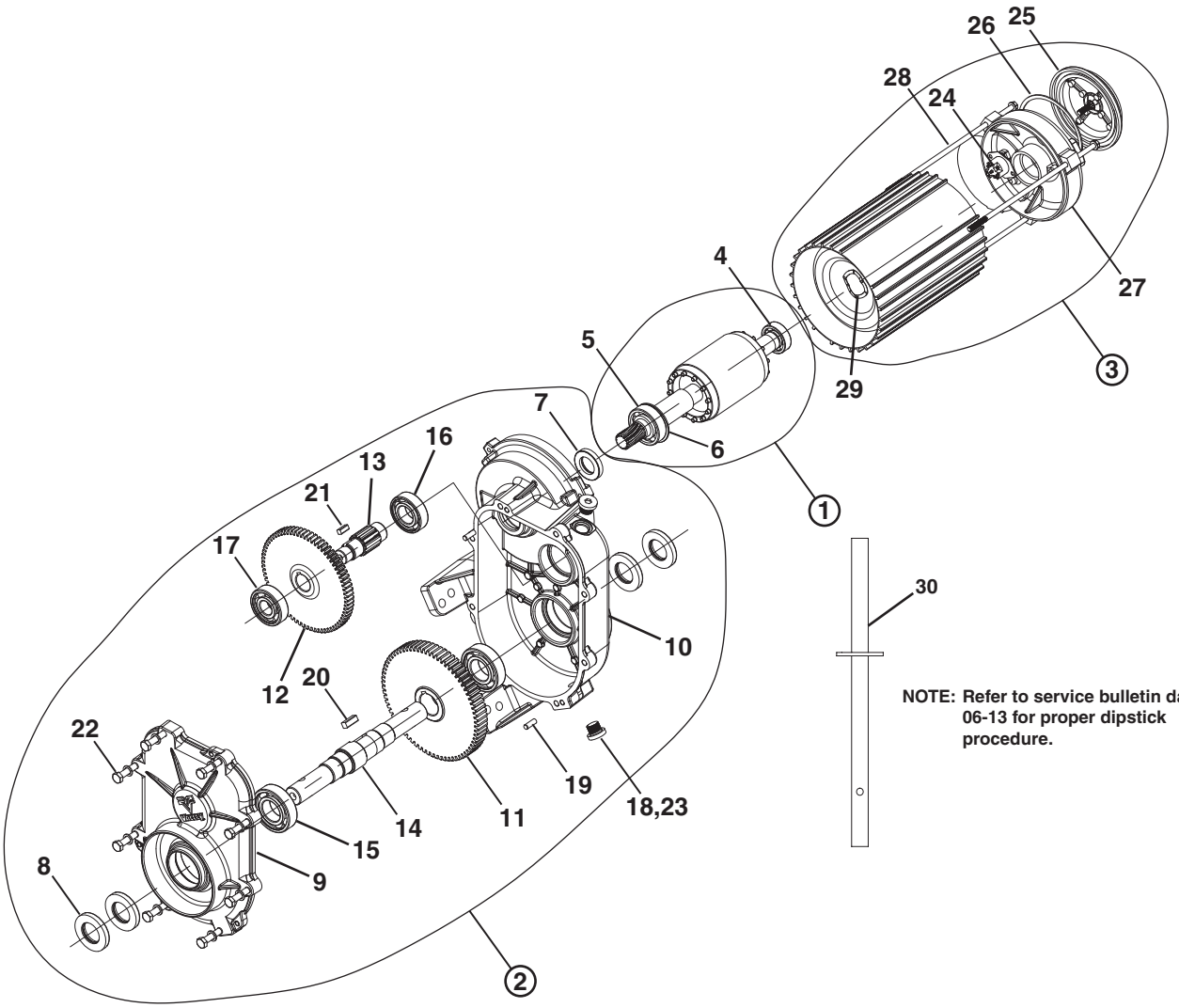


NOTE: Refer to service bulletin dated 06-13 for proper dipstick procedure.

ITEM	DESCRIPTION	PART #
1	1/2" NPT Plug	0246094
2	Key - Intermediate Gear Shaft	03E1747
3	Bearing - Intermediate Gear Shaft	03E1748
4	Cap Screw - 1/4" x 1-1/2" Long	03E2152
5	Seal - Rotor to Gearbox - 34 & 68 RPM	03E1750
	Seal - Rotor to Gearbox - 43 RPM	03E2095
6	Bearing - Motor Cap	03E1751
7	Bearing - Inner Rotor - 34 & 68 RPM	0191060
	Bearing - Inner Rotor - 43 PRM	03E2096
8	Bearing - Intermediate Gear Shaft	03E1753
9	Washer - Spring	03E1754
10	Cap Screw	N/A
11	1/4" x 1/2" Cap Screw	03E1755
12	Seal - Output Shaft	03E1756
13	Bearing - Output Shaft	03E1757
14	Cap Screw - 5/16 x 1-1/4"	N/A
15	Grounding Lug	N/A
16	Key - Output Shaft	03E1758
17	Cap Screw - Stator	03E1759
18	Dowel Pin	N/A
19	Thermal Protector - 34 RPM	03E1760
	Thermal Protector - 68 RPM	03E2063
20	End Cover	N/A
21	Cover - Gear Case	N/A
22	Spacer - Bearing to Gear	03E1761
23	Snap Ring (34 & 68 RPM only)	0257020
	Snap Ring (43 RPM only)	0257021

ITEM	DESCRIPTION	PART #
24	Gear Case - 34 & 68 RPM	03E1860
	Gear Case - 43 RPM	03E2097
25	Gear - Intermediate - 34 & 68 RPM	03E1763
	Gear - Intermediate - 43 RPM	03E2098
26	Gear and Shaft - Intermediate	03E1764
27	Gear - Output	03E1765
28	Cover with Gasket - Wire Junction Box	03E2156
29	Wire Grommet	N/A
30	Stator (See #35)	N/A
31	Output Shaft	03E1768
32	Name Plate	N/A
33	Rotor Assm w/(2 Brgs & Seal)-34 RPM	03E2479
	Rotor Assm w/(2 Brgs & Seal)-43 RPM	03E2090
	Rotor Assm w/(2 Brgs & Seal)-68 RPM	03E2480
34	Stator Module Assembly - 34 & 43 RPM	03E1556
	Stator Module Assembly - 68 RPM	03E1559
35	Gearbox Assembly (34 & 68 RPM)	03E1555
	Gearbox Assembly (43 RPM)	03E2089
36	Helical Center Drive Dipstick	0998886
	COMPLETE 34 RPM Gearmotor Assembly Gearbox and Electric Motor Module	03E1554
	COMPLETE 43 RPM Gearmotor Assembly Gearbox and Electric Motor Module	03E2088
	COMPLETE 68 RPM Gearmotor Assembly Gearbox and Electric Motor Module	03E1558

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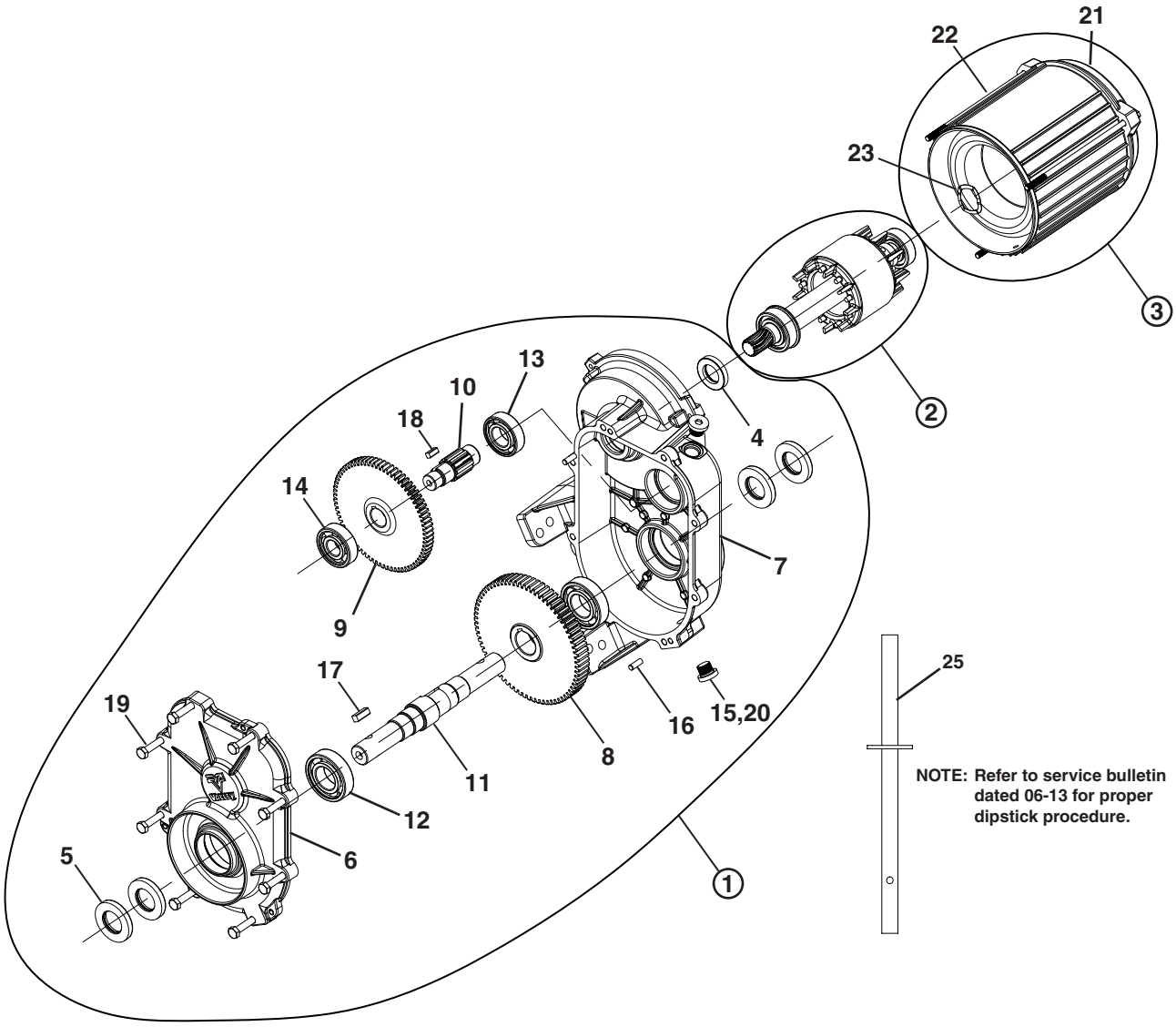


NOTE: Refer to service bulletin dated 06-13 for proper dipstick procedure.

ITEM	DESCRIPTION	PART #
1	Rotor Assm w/(2 Brgs & Seal) - 34 RPM	03E2309
	Rotor Assm w/(2 Brgs & Seal) - 68 RPM	03E2310
2	Helical Gearbox Assembly (34 & 68 RPM)	03E2465
3	Stator Module Assembly - 34 RPM (Service)	03E2839
	Stator Module Assembly - 68 RPM (Service)	03E2840
4	Snap Ring	0257020
5	Rotor Bearing - 6203	03E3040
6	Rotor Bearing - 6205	03E3041
7	Input Seal	0318175
8	Output Seal	0318176
9	Cover	03E2946
10	Housing	03E3001
11	Gear - Low Speed - 73T	03E3002
12	Gear - High Speed - 86T	03E3003
13	Pinion - Low Speed - 11T	03E3004
14	Gear Shaft - Low Speed	03E3005
15	Gear Bearing - 6206	03E3006
16	Gear Bearing - 6205	03E3007
17	Gear Bearing - 6304	03E3008

ITEM	DESCRIPTION	PART #
18	Gear Flange Plug	03E3009
19	Gear Dowel Pin	03E3010
20	8 x 7 x 23.5 Gear Key	03E3011
21	6 x 6 x 12.7 Gear Key	03E3012
22	M8 x 1.25 x 30 Bolt	03E3014
23	O-Ring	0997874
24	Thermal - TPMYJ38AO - 1.2 / 34 RPM	03E3042
	Thermal - TPMYJ42WO - .6 / 68 RPM	03E3043
25	Lid	03E3044
26	Gasket	03E3045
27	Endplate	03E3046
28	Through Bolt	03E3047
29	Wavy Washer	03E3057
30	Helical Center Drive Dipstick	0998886
	34 RPM Gearbox Assembly	
	Gearbox and Electric Motor Module	03E2468
	68 RPM Gearbox Assembly	
	Gearbox and Electric Motor Module	03E2469

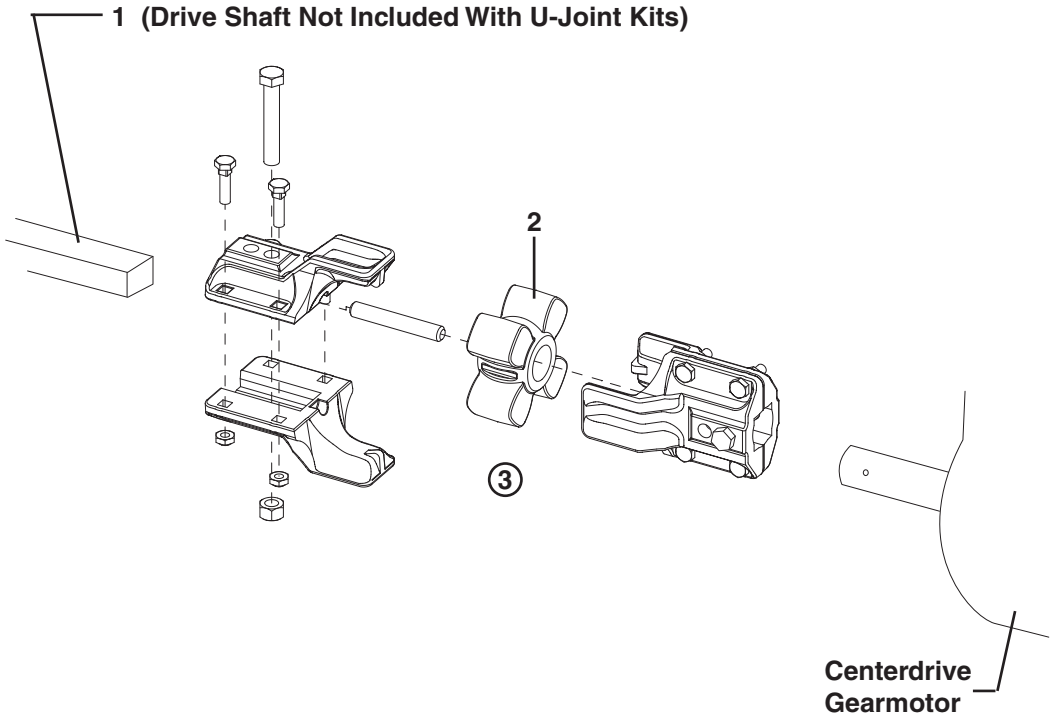
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ITEM	DESCRIPTION	PART #
1	Helical Gearbox Assembly (34 & 68 RPM)	03E2465
2	Rotor Assm w/(2 Brgs & Snap Ring) - 34 RPM (Serv)	03E3581
	Rotor Assm w/(2 Brgs & Snap Ring) - 68 RPM (Serv)	03E3586
3	Stator Module Assembly - 34 RPM (Service)	03E3582
	Stator Module Assembly - 68 RPM (Service)	03E3587
	Stator Module Assembly - 43 RPM (Service)	03E3585
4	Input Seal	0318175
5	Output Seal	0318176
6	Cover	03E2946
7	Housing	03E3001
8	Gear - Low Speed - 73T	03E3002
	*Gear - 40:1	03E3599
9	Gear - High Speed - 86T	03E3003
10	Pinion - Low Speed - 11T	03E3004
	*Pinion - 40:1	03E3598
11	Gear Shaft - Low Speed	03E3005
12	Gear Bearing - 6206	03E3006
13	Gear Bearing - 6205	03E3007
14	Gear Bearing - 6304	03E3008
15	Gear Flange Plug	03E3009

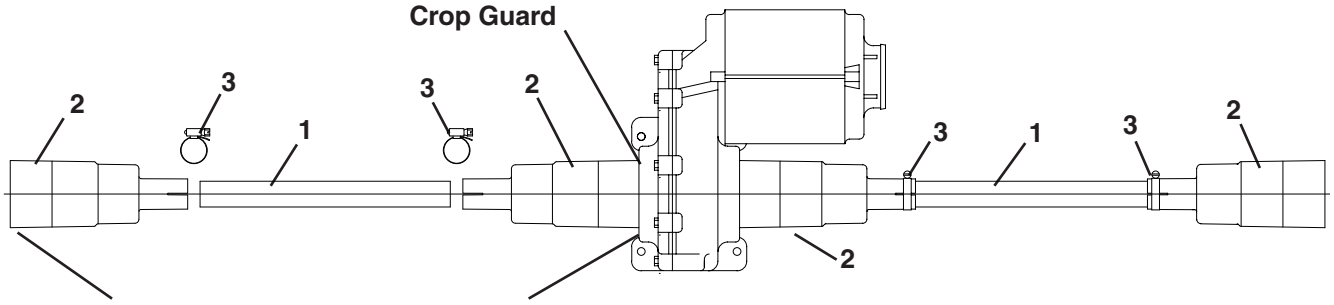
ITEM	DESCRIPTION	PART #
16	Gear Dowel Pin	03E3010
17	8 x 7 x 23.5 Gear Key	03E3011
18	6 x 6 x 12.7 Gear Key	03E3012
19	M8 x 1.25 x 30 Bolt	03E3014
20	O-Ring	0997874
21	Lid/Gasket	03E2156
22	Cap Screw - Stator	03E1759
23	Wavy Washer	03E1754
24	Thermal - 34 RPM (not shown)	03E1760
	Thermal - 68 RPM (not shown)	03E2063
25	Helical Center Drive Dipstick	0998886
	34 RPM Gearbox Assembly - Gearbox and Electric Motor Module	03E3452
	68 RPM Gearbox Assembly - Gearbox and Electric Motor Module	03E3476
	*43 RPM Gearbox Assembly - Gearbox and Electric Motor Module - 40:1 (Boston ONLY) (Uses 34 RPM Rotor Assm. 03E3581)	03E3473

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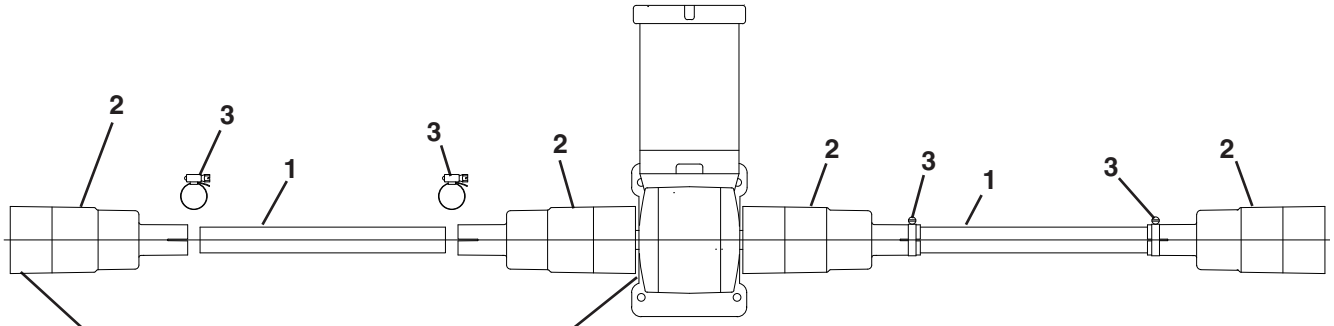
ITEM	DESCRIPTION	PART #
1	Drive Shaft 7/8" Sq. x 45.38" Long (Low Profile Add Span Drive Unit)	1702258
	Drive Shaft 7/8" Sq. x 60.12" Long (Std. Profile Add Span D.U.)	9361713
	Drive Shaft 7/8" Sq. x 81.06" Long (Hi-Profile Add Span D.U. & Rainger Cart)	9361714
2	NonTow Flex Joint Heavy Duty Insert	0996201
3	Ultra Heavy Duty Flex Joint Kit w/Rod - 7/8" Sq. x 1" Round (NonTow)	KA01300
	COMPLETE Flex Joint "Squex" Head Bolt Kit	KA01312

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NOTE: Install shields inside crop guard with 1/8" gap between shield and gearboxes/center drive. Shield assemblies should rotate freely over drive shaft and u-joints.

Helical Gear Center Drive

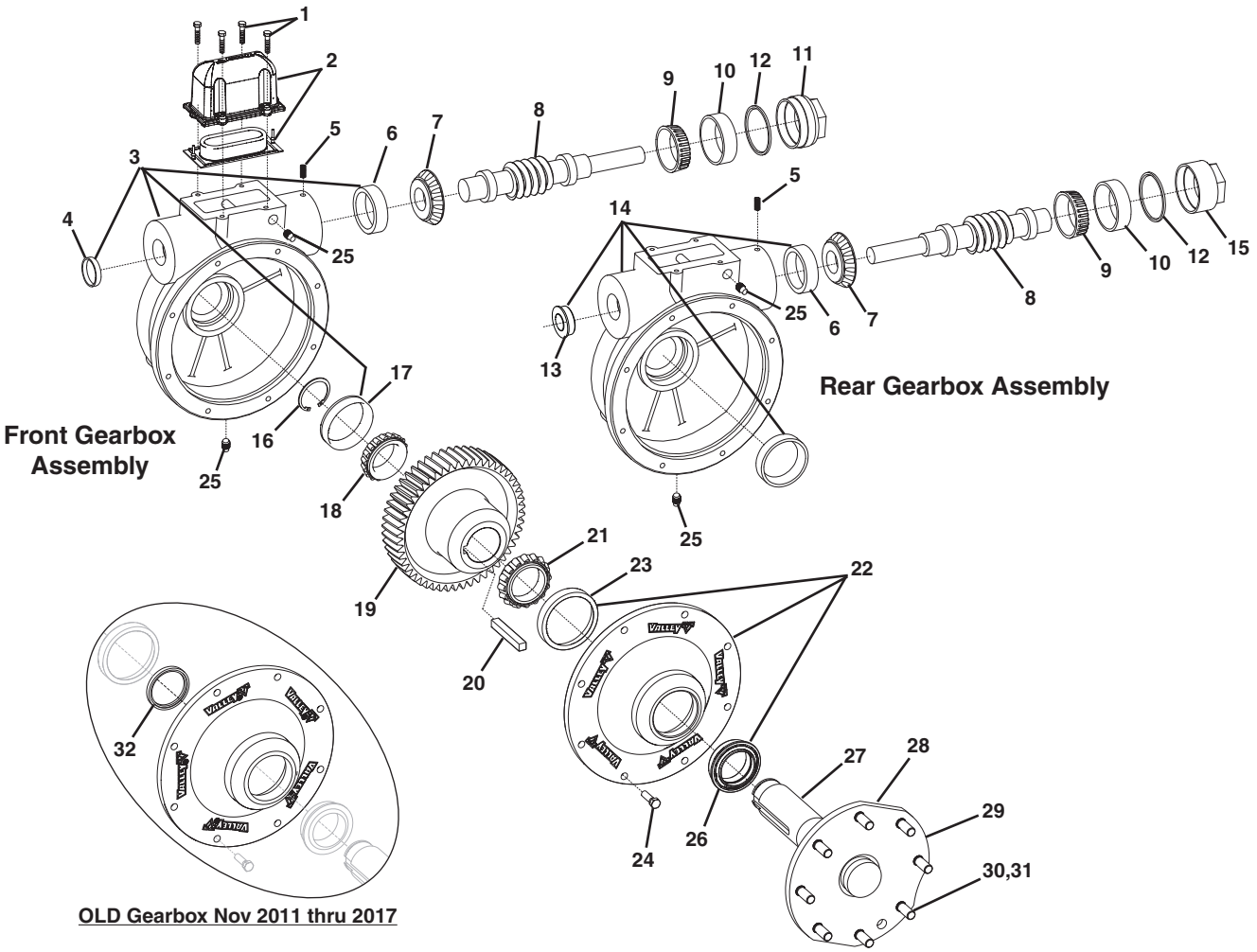


NOTE: Install Shields with 1/8" gap between shield and gearboxes/center drive. Shield Assemblies should rotate freely over drive shaft and u-joints.

Worm Gear Center Drive

ITEM	DESCRIPTION	PART #
1	Shield - 40.62" Long (Low Profile Add Span D.U.)	0992716
	Shield - 55.38" Long (Std. Profile Add Span D.U.)	0992715
	Shield - 76.31" Long (Rainger Linear Cart & High Profile Add Span D.U.)	0992717
2	Shield - 11.75" Long	1702614
3	Clamp-Stainless Steel	0271013

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ITEM	DESCRIPTION	PART #
1	5/16" x 1" Cap Screw	0161052
2	Expansion Cap	1701326
3	Front Housing & Worm Cup Assembly	1701401
4	End Cap (Front Only)	0991178
5	5/16" x 5/8" Set Screw	0164069
6	Cup	0191024
7	Cone	0191023
8	Worm Gear	1701922
9	Input Bearing Cone	0191029
10	Input Bearing Cup	0191030
11	End Cap Assembly (Front Only)	1781714
12	O-Ring Seal (End Cap)	0256029
13	Input Shaft Seal	0258023
14	Rear Housing & Worm Cup Assembly	1701405
15	End Cap (Rear Only)	1781713
16	Snap Ring	0257013
17	Output Shaft Bearing Cup	0191026
18	Output Shaft Bearing Cone	0191025
19	Wheel Worm	1700868
20	Worm Gear Key	1700853
21	Output Shaft Bearing Cone	0191027
22	Neck and Seal Assembly	1701402
23	Output Shaft Bearing Cup	0191028
24	3/8" x 1-1/4" Cap Screw	0161153
25	Plug, Square Head 1/2" NPT	0246094

ITEM	DESCRIPTION	PART #
26	Output Shaft Seal	0258028
27	Axle Assembly (Non-Tow)	1703239
28	Backup Plate	1701791
29	Plate w/Studs Only	1701963
30	9/16" x 1-13/16" Stud Bolt (Non-Tow)	0164105
31	9/16" Lug Nut (Non-Tow)	0134049
32	Spacer (for Output Seal)	0980414 *

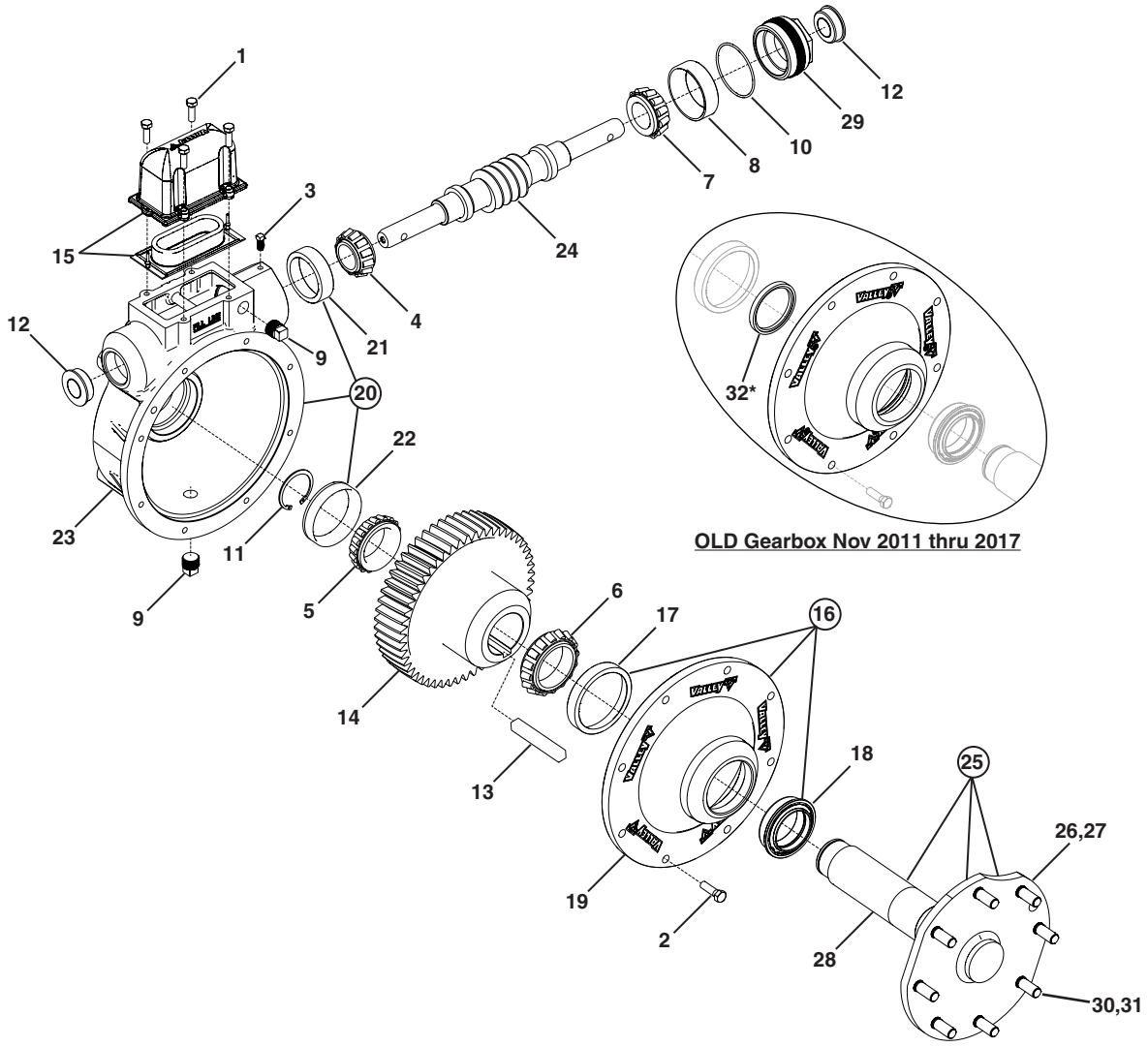
COMPLETE Front Gearbox Assembly	1701966
COMPLETE Rear Gearbox Assembly	1701965

SPECIALTY GEARBOXES

COMPLETE Heavy Duty Bronze Gearbox Front	1732144
COMPLETE Heavy Duty Bronze Gearbox Rear	1732143
Bronze Gear	1701423
Steel Worm for Bronze Gear	1732140
COMPLETE H.D. Bronze Gearbox Front (Towable)	1732835
COMPLETE H.D. Bronze Gearbox Rear (Towable)	1732836
COMPLETE Non-Tow Gearbox (Univ. Front & Rear)	1703321
Worm Gear	1702360
Housing	1701405

*** NOTE: Rebuild ONLY for gearboxes pre-2018-post Nov 2011.**
NOTE: Item 2 Expansion Cap incl. Diaphragm...0991230

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ITEM	DESCRIPTION	PART #
1	5/16" x 1" Cap Screw	0161052
2	3/8" x 1-1/4" Cap Screw	0161153
3	5/16" x 5/8" Set Screw	0164069
4	Input Shaft Bearing Cone	0191023
5	Output Shaft Bearing Cone	0191025
6	Output Shaft Bearing Cone	0191027
7	Input Shaft Bearing Cone	0191029
8	Input Shaft Bearing Cup	0191030
9	Plug, Square Head 1/2" NPT	0246094
10	O Ring Seal (End Cap)	0256029
11	Snap Ring	0257013
12	Input Shaft Seal	0258023
13	Worm Gear Key	1700853
14	Wheel Worm Gear	1700868
	Wheel Worm Gear - Bronze (for Heavy Duty)	1701423
15	Expansion Cap, Machined - Gearbox	1701326
16	Neck and Seal Assembly	1701402
17	Output Shaft Bearing Cup	0191028
18	Output Shaft Seal - 7 Lip	0258028
19	Neck Casting	0282056
20	Rear Housing & Races Assembly	1701405
21	Input Shaft Bearing Cup	0191024

ITEM	DESCRIPTION	PART #
22	Output Shaft Bearing Cup	0191026
23	Gearcase Housing	1704267
24	Worm Wheel Drive	1702360
	Worm Wheel Drive - Steel (for Heavy Duty)	9361661
25	Axle Assembly - Non-Tow	1703239
26	Output Flange Support Plate	1701791
27	Flange Axle Assembly, w/Studs - Non-Tow	1701963
28	Output Shaft - Non-Tow	1703238
29	End Cap	1781714
30	9/16" x 1-13/16" Stud Bolt - Non-Tow	0164105
31	9/16" Lug Nut - Non-Tow	0134049
32	Spacer (for Output Seal)	0980414 *

Double Input Gearbox Assm. - Non-Tow 1703321
Double Input Gearbox Assm. - Heavy Duty 9363173

Item 18-Neck and Seal Assm includes Item 19, 20 & 21.
Item 22-Rear Housing & Races Assm. includes Item 23, 24 & 25.
Item 27-Axle Assm. includes Item 28, 29 & 30.

* NOTE: Rebuild ONLY for gearboxes pre-2018-post Nov 2011.
NOTE: Item 15 Expansion Cap incl. Diaphragm...0991230.

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PART #	NAME	DESCRIPTION	IDENTIFICATION DECAL
1701965	REAR NON-TOW 52:1	Rear Standard Housing, Regular Output Shaft, Reg. Bull Gear, Ductile Worm.	Orange w/White Lettering ("R" & Part #)
1701966	FRONT NON-TOW 52:1	Front Standard Housing, Reg. Output Shaft, Reg. Bull Gear, Ductile Worm	White w/Black Lettering ("F" & Part #)
1732143	HEAVY DUTY REAR 52:1	Rear Standard Housing, Std. Output Shaft Bronze Bull Gear, Steel Worm	Red w/White Lettering ("R" & Part #)
1732144	HEAVY DUTY FRONT 52:1	Front Standard Housing, Std. Output Shaft, Bronze Bull Gear, Steel Worm	Red w/Black Lettering ("F" & Part #)
1703321	UNIVERSAL NON-TOW 52:1	Standard Housing, Regular Output Shaft, Reg. Bull Gear, Double End Ductile Worm	Blue w/White Lettering (Part #)
1702761	REAR TOWABLE 52:1	Rear Standard Housing, Tow Output Shaft, Reg. Bull Gear, Ductile Worm, w/Tow Hub	Black w/White Lettering ("R" & Part #)
1702760	FRONT TOWABLE 52:1	Front Standard Housing, Tow Output Shaft, Reg. Bull Gear, Ductile Worm, w/Tow Hub	White w/Black Lettering ("F" & Part #)
1732836	HEAVY DUTY REAR TOW 52:1	Rear Standard Housing, Tow Output Shaft, Bronze Bull Gear, Steel Worm, w/Tow Hub	White w/Gold Lettering ("R" & Part #)
1732835	HEAVY DUTY FRONT TOW 52:1	Front Standard Housing, Tow Output Shaft, Bronze Bull Gear, Steel Worm, w/Tow Hub	Gold w/White Lettering ("F" & Part #)
1703768	UNIVERSAL TOWABLE 52:1	Standard Housing, Tow Output Shaft, Reg. Bull Gear, Double End Ductile Worm, w/Tow Hub	Orange w/Black Lettering (Part #)
1781677	REAR NON-TOW 50:1	Rear Universal Housing, Short Output Shaft, Red Bull Gear, Ductile Worm	Black w/Yellow Lettering ("R" & Part #)
1781676	FRONT NON-TOW 50:1	Front Universal Housing, Short Output Shaft, Red Bull Gear, Ductile Worm	Black w/Yellow Lettering ("F" & Part #)
1703280	UNIVERSAL - SHORT 50:1	Universal Housing, Short Output Shaft, Red Bull Gear, Double End Ductile Worm	Gold w/Black Lettering (Part #)
1703320	UNIVERSAL - STANDARD 50:1	Rear Universal Housing, Standard Output Shaft, Red Bull Gear, Double End Ductile Worm	Green w/Black Lettering (Part #)
1703527	UNIVERSAL TOWABLE 50:1	Rear Universal Housing, Tow Output Shaft, Red Bull Gear, Double End Ductile Worm	White w/Black Lettering (Part #)
0996213	REAR TOWABLE	Omni Towable, Disengaging Worm	White w/Black Letteriing (Part #)
0996214	FRONT TOWABLE	Omni Towable, Disengaging Worm	White w/Black Letteriing (Part #)

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RECOMMENDED WORM GEAR OIL

REFER TO LUBRICATION PLATE FOR PROPER VISCOSITY OF OIL REQUIRED FOR OPERATING TEMPERATURE. USE VALMONT GEAR LUBE LISTED BELOW.

vLube Xtreme Valley Gear Lube		
Standard & Heavy Duty Gearboxes		
Gallons	**Part #**	**Specification of Worm Gear Oil**
Bulk	**0999998**	**BLUE 85W/140**
55	**0999999**	
16	**0999946**	
5	**0999948**	
2.5	**0999980**	

Valley Gear Lube		
Standard Gearbox w/Cast Iron Worm Wheel		
Gallons	**Part #**	**Specification of Worm Gear Oil**
Bulk	**0991140** DISCONTINUED	**BLUE 85W/140**
55	**0996557** DISCONTINUED	
16	**0996558** DISCONTINUED	
5	**0996559** DISCONTINUED	
2.5	**0996560** DISCONTINUED	
Heavy Duty Gearbox w/Bronze Worm Wheel		
Gallons	**Part #**	**Specification of Worm Gear Oil**
55	**0996587** DISCONTINUED	**RED 85W/140**
2.5	**0996586** DISCONTINUED	

NOTE: For replacement part #s for DISCONTINUED Gear Lube refer to gallon equivalent vLube Xtreme Valley Gear Lube #s at top of chart.

NOTE: The recommended lubricant listed above is a compounded warm lubricant containing non-corrosive extreme pressure additives. DO NOT USE lubricants containing sulfur and/or chlorine extreme pressure additives which are corrosive to worm gear bronze. The oil bath in worm gear cases may reach a temperature of 200° F (94° C) without alarm.

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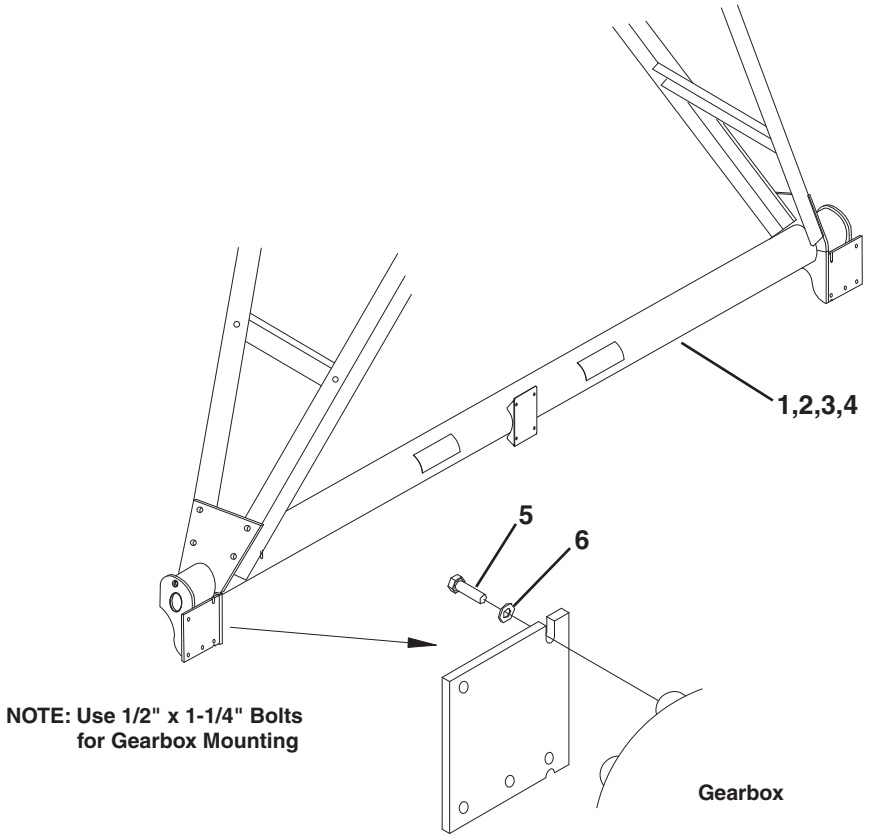
Offset Rim Description		Front Assm.	Rear Assm.	Tube	Rim	Tire	Operating Pressure (PSI)	Offset (Inches)	Valve Stem
Hi-Float Tubeless 14.9 x 24	TITAN	1701103	1701104	-	1702348	0991256	18*	0.5[1]	0991282
	FIRESTONE	1704026	1704027	-	1702348	0996552	18*	0.5[1]	0991282
Hi-Float w/Tube 14.9 x 24	TITAN	1703788	1703787	0991175	1702348	0991256	18*	0.5[1]	-
	FIRESTONE	1704028	1704029	0991175	1702348	0996552	18*	0.5[1]	-
Hi-Float Turf Tubeless 14.9 x 24		9363130	9363130	-	1702348	0997324	18*	0.5[1]	0992182
Hi-Float Turf w/Tube 14.9 x 24	TITAN	1703335	1703335	0991175	1702348	0993242	18*	0.5[1]	-
	FIRESTONE	9363129	9363129	0991175	1702348	0997324	18*	0.5[1]	-
Hi-Float non-Directional w/Tube 14.9 x 24	TITAN	1703715	1703714	-	1703723	0994214	23	1.72	0991282
	FIRESTONE	1703851	1703850	-	1703723	0996658	23	1.72	0991282
Hi-Float non-Directional Tubeless 14.9 x 24	TITAN	1703743	1703744	0994215	1703723	0994214	23	1.72	-
	FIRESTONE	1703852	1703853	0994215	1703723	0996658	23	1.72	-
Tubeless 11.2 x 38	TITAN	1703715	1703714	-	1703723	0994214	23	1.72	0991282
	FIRESTONE	1703851	1703850	-	1703723	0996658	23	1.72	0991282
w/ Tube 11.2 x 38	TITAN	1703743	1703744	0994215	1703723	0994214	23	1.72	-
	FIRESTONE	1703852	1703853	0994215	1703723	0996658	23	1.72	-
6-Ply Tubeless 11.2 x 38	TITAN	9363153	9363154	-	1703723	0997337	34**	1.72	0991282
	FIRESTONE	9364493	9364494	-	1703723	0999117	34	1.72	0991282
6-Ply w/Tube 11.2 x 38	TITAN	9363155	9363156	0994215	1703723	0997337	34**	1.72	-
	FIRESTONE	9364491	9364492	0994215	1703723	0999117	34	1.72	-
* Radial Tubeless 12.4R38 138B *	FIRESTONE	9364746	9364747	-	1703723	0980054	15	1.72	0991282
* Radial w/Tube 12.4R38 138B *	FIRESTONE	9364744	9364745	0994215	1703723	0980054	15	1.72	-
Maxi Float Tubeless 16.9 x 24	TITAN	1703611	1703612	-	1702349	0991608	16	1.5	0991282
	FIRESTONE	1703834	1703835	-	1702349	0996657	16	1.5	0991282
	~~VALLEY V-GRIP~~	~~1704306~~	~~1704307~~	~~-~~	~~1704301~~	~~0980322~~	~~16~~	~~1.5~~	~~0991282~~
Maxi Float w/Tube 16.9 x 24	TITAN	1703793	1703794	0991175	1702349	0991608	16	1.5	-
	FIRESTONE	1703836	1703837	0991175	1702349	0996657	16	1.5	-
	~~VALLEY V-GRIP~~	~~1704308~~	~~1704309~~	~~0991175~~	~~1704301~~	~~0980322~~	~~16~~	~~1.5~~	~~-~~
Maxi Float Turf Tubeless 16.9 x 24	TITAN	1703370	1703370	-	1702349	0992785	16	1.5	0991282
Maxi Float Turf w/Tube 16.9 x 24	TITAN	1703887	1703887	0991175	1702349	0992785	16	1.5	-
6-Ply Tubeless 18.4 x 26	FIRESTONE	1704019	1704020	-	1704018	0991531	16	1.61	0991282
6-Ply w/Tube 18.4 x 26	FIRESTONE	1704136	1704137	0991566	1704018	0991531	16	1.61	-
6-Ply Radial Tubeless 18.4 x 26	FIRESTONE	1704209	1704208	-	1704018	0997474	10	1.61	0992182
6-Ply Radial w/Tube 18.4 x 26	FIRESTONE	1704133	1704134	0991566	1704018	0997474	10	1.61	-
6-Ply Turf Tubeless 18.4 x 26	FIRESTONE	1704049	1704049	-	1704018	0996671	16	1.61	0991282
6-Ply Turf w/Tube 18.4 x 26	FIRESTONE	1704135	1704135	0991566	1704018	0996671	16	1.61	-

NOTE: Tire Brands may NOT be mixed on a Drive Unit.
*** Pressure may be decreased to 16 psi for flotation**

[1] **Effective November 2005**
Not Used for Cart or LRDU

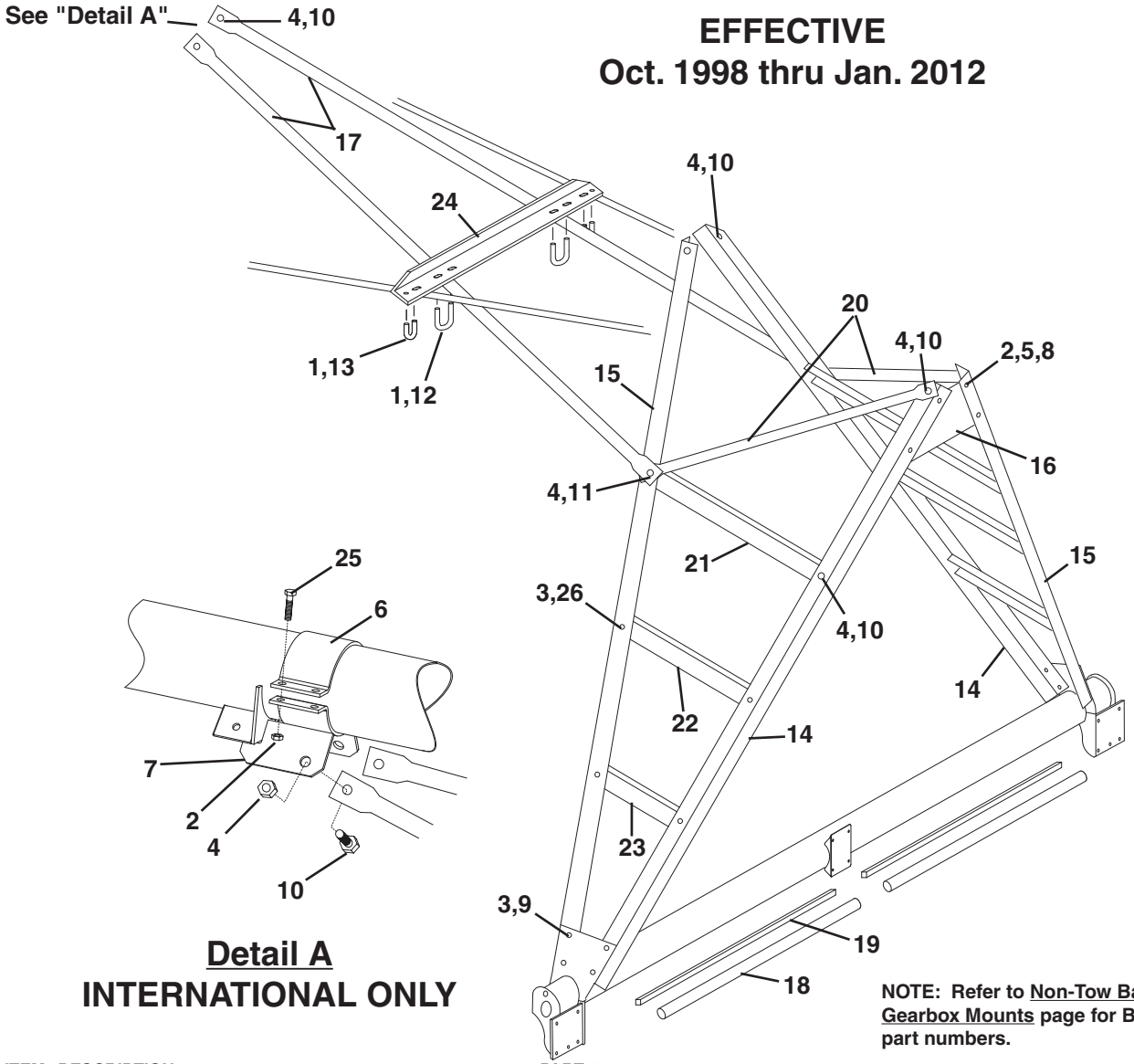
*** * Domestic ONLY.**
International ONLY.

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ITEM	DESCRIPTION	PART #
1	Non-Tow Basebeam Standard Profile	1780995
2	Non-Tow Basebeam Low Profile	1781000
3	Non-Tow Basebeam High Profile	1781001
4	Non-Tow Basebeam Ultra High Profile	9360189
5	1/2" x 1-1/4" Cap Screw	0161027
6	1/2" Flat Washer	0142025

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EFFECTIVE
Oct. 1998 thru Jan. 2012

Detail A
INTERNATIONAL ONLY

NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

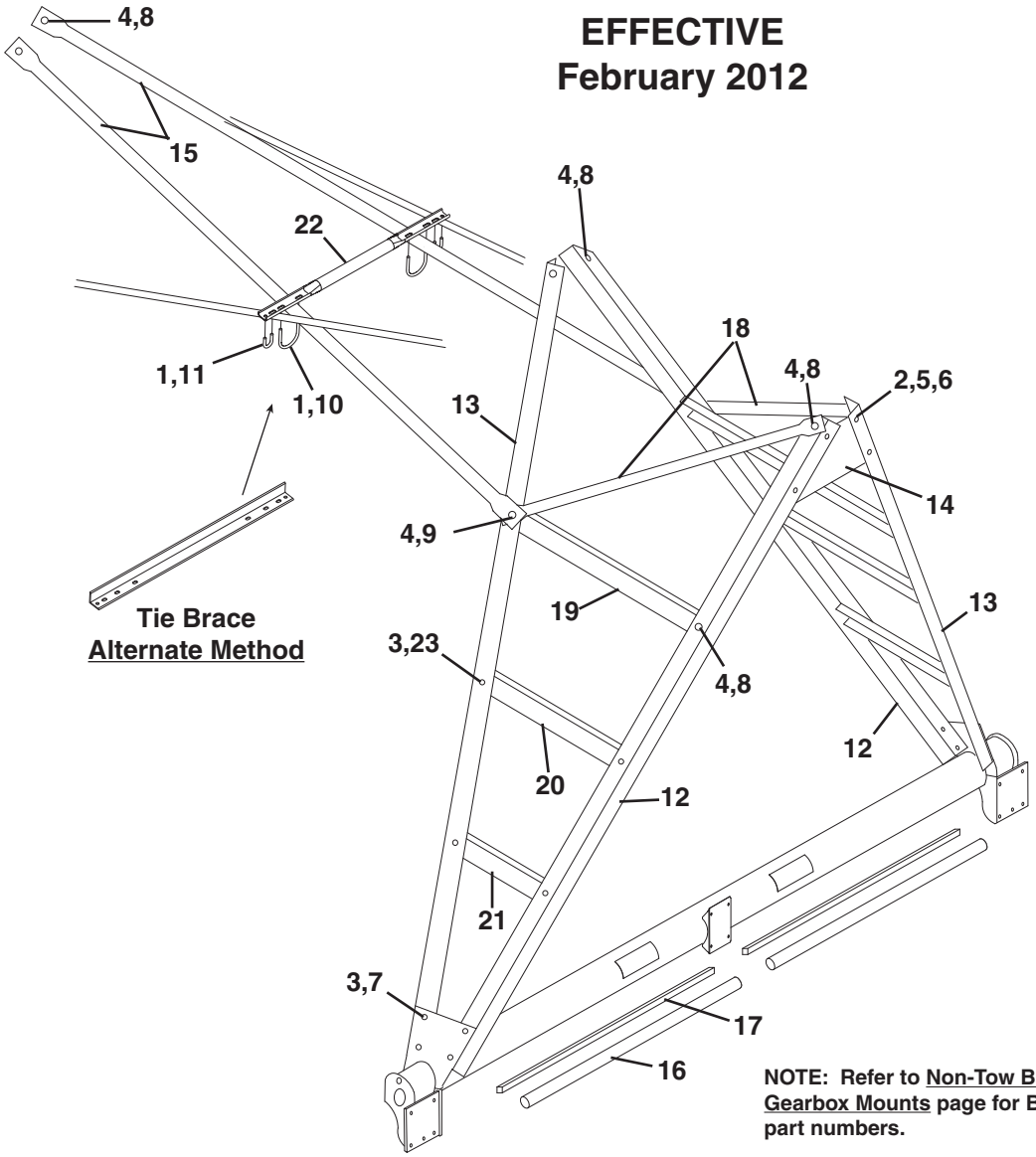
ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	5" Clamp - 4" Wide	*** . 9360921
	6-5/8" Clamp - 4" Wide	1700622
	8-5/8" Clamp - 4" Wide	9330002
7	5" Tower Support Bracket	*** . 9360929
	6-5/8" Tower Support Bracket	9360724
	8-5/8" Tower Support Bracket	9360725
8	1/2" x 1-1/4" Cap Screw	0161027
9	5/8" x 1-3/4" Cap Screw	0161088
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" x 2-1/2" Cap Screw	0161159
12	3/8" x 4" x 3" U-Bolt	0175005
13	3/8" x 1-3/4" x .94" U-Bolt	0176035
14	Drive Unit Leg-Right Hand	9360827
	Drive Unit Leg-R.H. (5" & 6" Dia.)	*** . 9361198
15	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360828
	Drive Unit Leg-L.H. (5" & 6" Dia.) I.D. Notch @ end	*** . 9361199
16	Drive Unit - Reinforcing Plate	1780400
17	Pipe Tower Support - Model 8000 Spans	9360071
	Pipe Tower Sup. - 109'[33.22m] & 128'[39.01m]-10" Sp	1780420
	Pipe Tower Support - Model 8120 Spans	9360722

ITEM	DESCRIPTION	PART #
18	Drive Shaft Shield - Standard Profile	** . 0992715
19	7/8" Square Drive Shaft-Standard Profile	** . 9361713
20	Drive Unit Diagonal - Heavy Duty	** . 9361138
21	Upper Brace - Standard Profile	** . 1780327
	Uper Brace - Standard Profile (5")	*** . 9361239
22	Intermediate Brace - Standard Profile	** . 9360835
	Intermediate Brace - Standard Profile (5")	*** . 9361243
23	Lower Brace - Standard Profile	** . 9360834
	Lower Brace - Standard Profile (5")	*** . 9361240
24	Tie Brace	
	109' & 128' Spans-10" Dia. (46.72"[1186.7mm] Lg.)	1780341
	135' & 160' Sp.-6"& 6-5/8" Dia. (31.94"[811.3mm] Lg.)	9360078
	180' & 205' Sp.-6"& 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	135.2', 157.5 Exp-6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	Model 8120 (36.81"[934.9mm] Lg.)	9360733
	Model 8120 (36.81"[934.9mm] Lg.)(5")	* . 9361270
25	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
26	5/8" x 1-1/4" Cap Screw	0161379

(*) - This item is for Model 8120 (5" Pipe Tower Support (9361246))
(**) - These items are located in KA09390
(***)- 5" Items for Model 8120.

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EFFECTIVE
February 2012



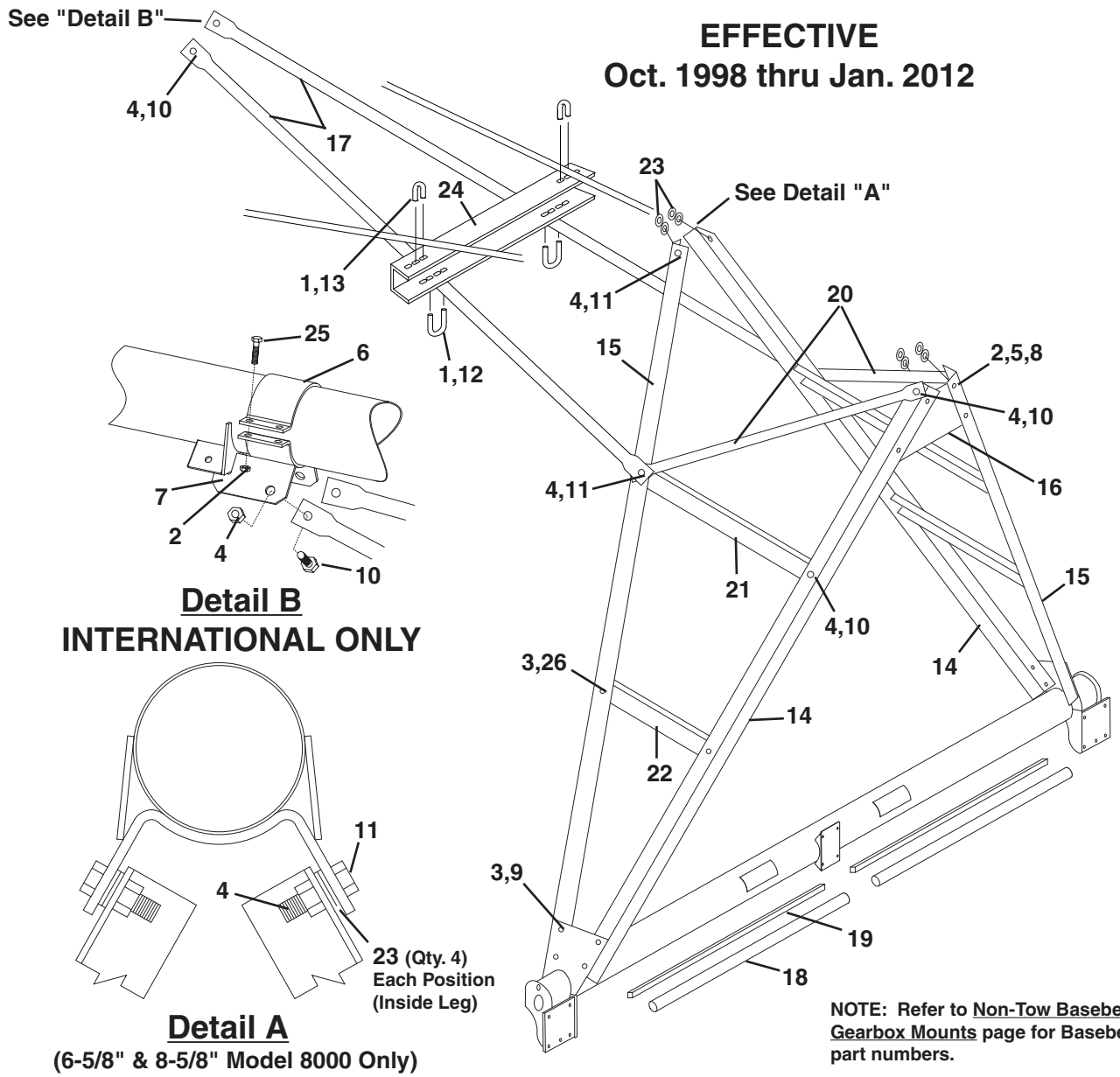
NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	1/2" x 1-1/4" Cap Screw	0161027
7	5/8" x 1-3/4" Cap Screw	0161088
8	3/4" x 1-3/4" Cap Screw	0161139
9	3/4" x 2-1/2" Cap Screw	0161159
10	3/8" x 4" x 3" U-Bolt	0175005
11	3/8" x 1-3/4" x .94" U-Bolt	0176035
12	Drive Unit Leg-Right Hand	9360827
	Drive Unit Leg-R.H. (5" & 6" Dia.)	*** . 9361198
13	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360828
	Drive Unit Leg-L.H. (5" & 6" Dia.) I.D. Notch @ end	*** . 9361199
14	Drive Unit - Reinforcing Plate	1780400
15	Pipe Tower Support - Model 8000 Spans	9360071
	Pipe Tower Sup. - 109'[33.22m] & 128'[39.01m]-10" Sp	1780420
	Pipe Tower Support - Model 8120 Spans	9360722

ITEM	DESCRIPTION	PART #
16	Drive Shaft Shield - Standard Profile	** . 0992715
17	7/8" Square Drive Shaft-Standard Profile	** . 9361713
18	Drive Unit Diagonal - Heavy Duty	** . 9361138
19	Upper Brace - Standard Profile	** . 1780327
	Uper Brace - Standard Profile (5")	*** . 9361239
20	Intermediate Brace - Standard Profile	** . 9360835
	Intermediate Brace - Standard Profile (5")	*** . 9361243
21	Lower Brace - Standard Profile	** . 9360834
	Lower Brace - Standard Profile (5")	*** . 9361240
22	Tie Brace	
	135' & 160' Sp.-6"& 6-5/8" Dia. (31.94"[811.3mm] Lg.)	9360078
	180' & 205' Sp.-6"& 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	135.2', 157.5 Exp-6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	115', 135', 140', 160' & 180' Sp.-8-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	Model 8120 (36.81"[934.9mm] Lg.)	9360733
23	5/8" x 1-1/4" Cap Screw	0161379

(**) - These items are located in KA09390
(***) - 5" Items for Model 8120.

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EFFECTIVE
Oct. 1998 thru Jan. 2012

Detail B
INTERNATIONAL ONLY

Detail A
(6-5/8" & 8-5/8" Model 8000 Only)

NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

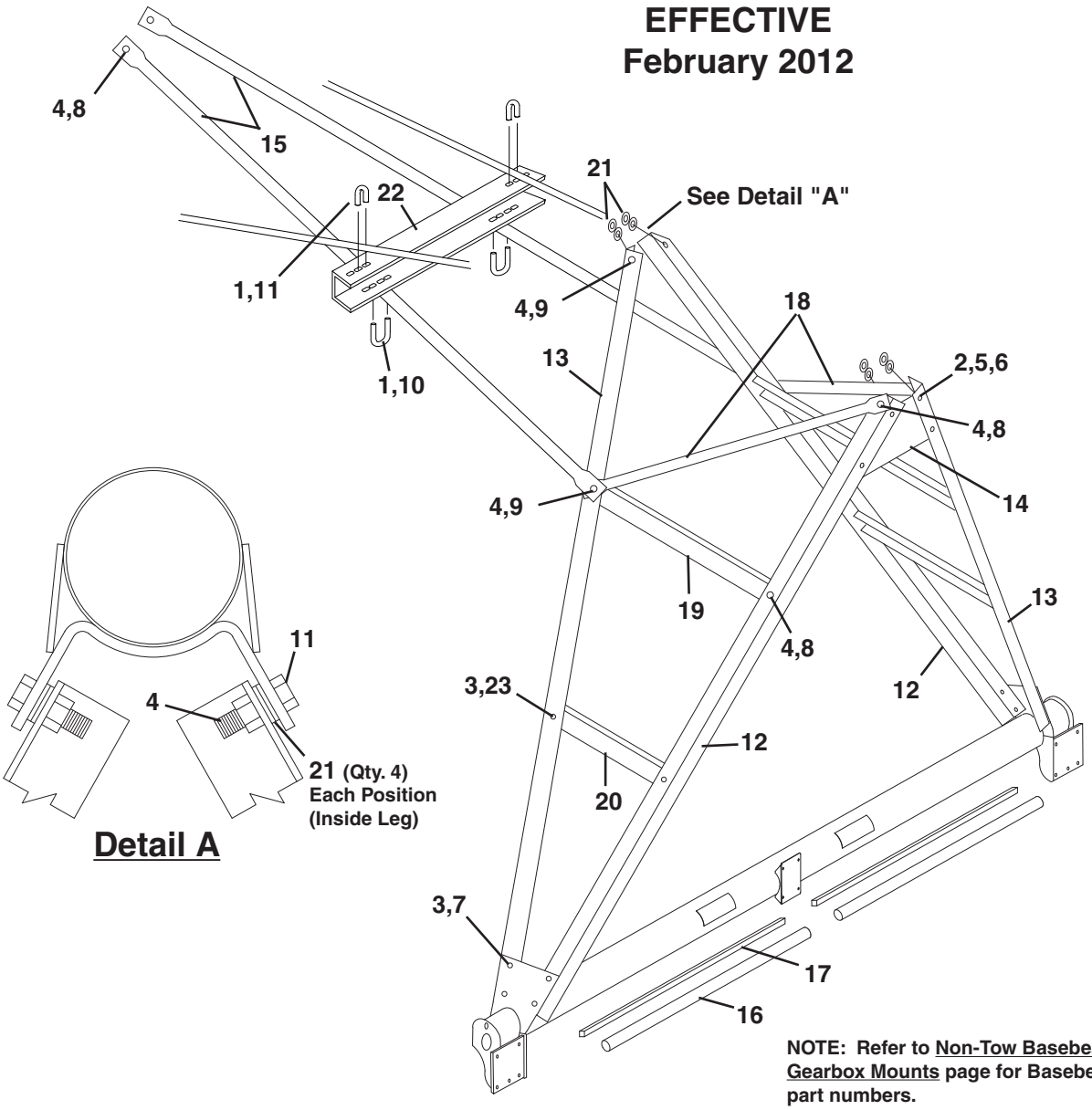
ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	5" Clamp - 4" Wide	**.9360921
	6-5/8" Clamp - 4" Wide	1700622
	8-5/8" Clamp - 4" Wide	9330002
7	5" Tower Support Bracket	**.9360929
	6-5/8" Tower Support Bracket	9360724
	8-5/8" Tower Support Bracket	9360725
8	1/2" x 1-1/4" Cap Screw	0161027
9	5/8" x 1-3/4" Cap Screw	0161088
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" x 2-1/2" Cap Screw	0161159
12	3/8" x 4" x 3" U-Bolt	0175005
13	3/8" x 1-3/4" x .94" U-Bolt	0176035
14	Drive Unit Leg-Right Hand	9360821
	Drive Unit Leg-Right Hand (5" & 6")	**.9361196
15	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360822
	Drive Unit Leg-Left Hand (5" & 6")-I.D. Notch @ end	**.9361197
16	Drive Unit - Reinforcing Plate	1780620

ITEM	DESCRIPTION	PART #
17	Pipe Tower Support - Model 8000 Spans	9360071
	P.T. Sup. - 109'[33.22m] & 128'[39.01m] - 10" Sp.	1780420
	Pipe Tower Support - Model 8120 Spans	9360722
18	Drive Shaft Shield - Low Profile	*.0992716
19	7/8" Square Drive Shaft-Low Profile	*.1702258
20	Drive Unit Diagonal - Low Profile	*.1732383
21	Upper Brace - Low Profile	*.9360173
	Upper Brace - Low Profile (5")	**.9361268
22	Lower Brace - Low Profile	*.9360833
	Lower Brace - Low Profile (5")	**.9361267
23	3/4" Flat Washer	0142021
24	Tie Brace	
	109'[33.22m] & 128'[39.01m] Spans-10" Dia. (42.12"[1069.8mm] Lg.)	1780633
	6", 6-5/8" & 8-5/8" Dia. (33.06"[839.7mm] Lg.)	9360174
25	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
26	5/8" x 1-1/4" Cap Screw	0161379

(*)- These items are located in KA09339.
(**)- 5" Items for Model 8120.

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EFFECTIVE
February 2012



Detail A

NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	1/2" x 1-1/4" Cap Screw	0161027
7	5/8" x 1-3/4" Cap Screw	0161088
8	3/4" x 1-3/4" Cap Screw	0161139
9	3/4" x 2-1/2" Cap Screw	0161159
10	3/8" x 4" x 3" U-Bolt	0175005
11	3/8" x 1-3/4" x .94" U-Bolt	0176035
12	Drive Unit Leg-Right Hand	9360821
	Drive Unit Leg-Right Hand (5" & 6")	**.9361196
13	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360822
	Drive Unit Leg-Left Hand (5" & 6")-I.D. Notch @ end	**.9361197
14	Drive Unit - Reinforcing Plate	1780620
15	Pipe Tower Support - Model 8000 Spans	9360071
	P. T. Sup. - 109'[33.22m] & 128'[39.01m] - 10" Sp.	1780420
	Pipe Tower Support - Model 8120 Spans	9360722

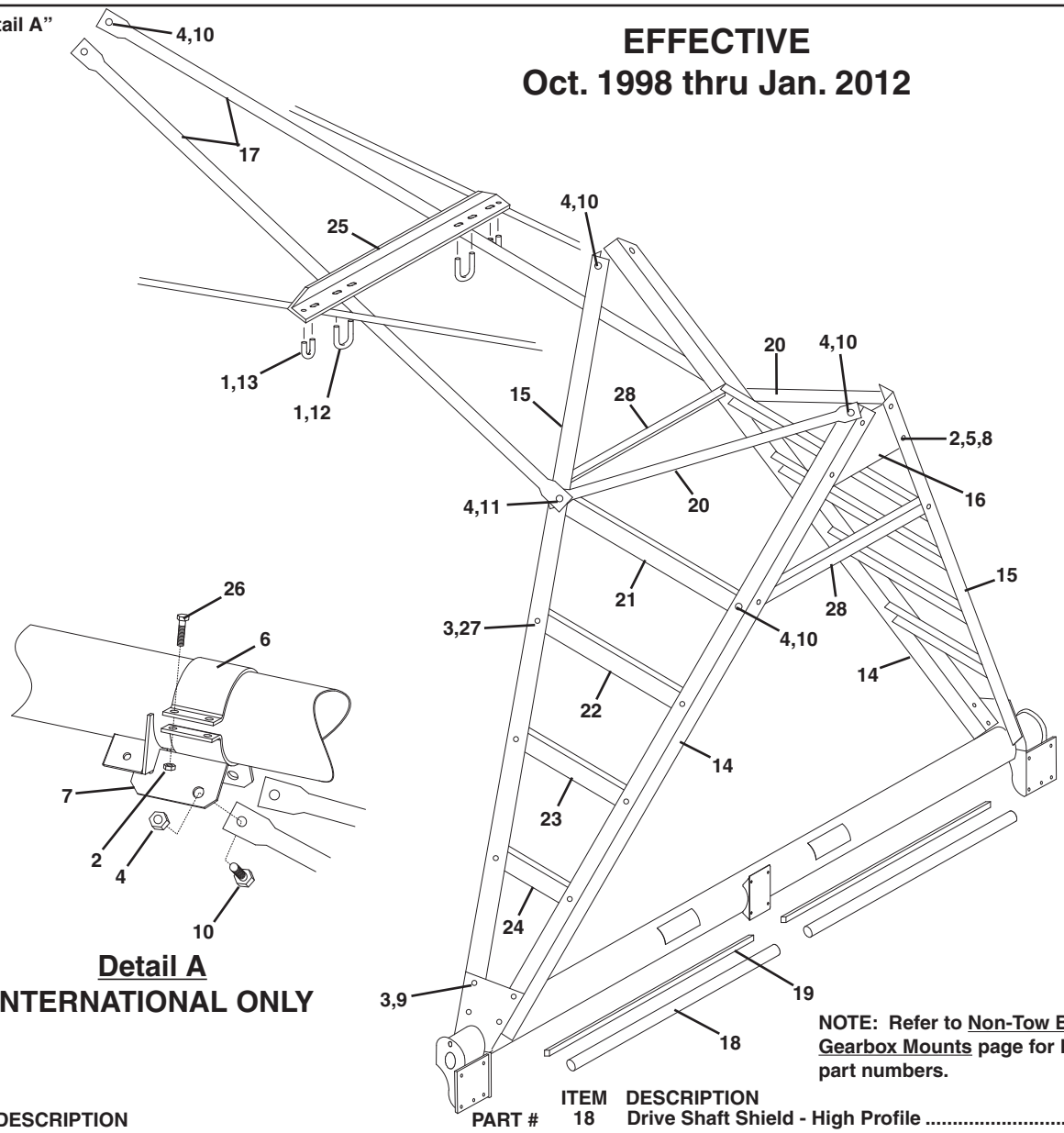
ITEM	DESCRIPTION	PART #
16	Drive Shaft Shield - Low Profile	*.0992716
17	7/8" Square Drive Shaft-Low Profile	*.1702258
18	Drive Unit Diagonal - Low Profile	*.1732383
19	Upper Brace - Low Profile	*.9360173
	Upper Brace - Low Profile (5")	**.9361268
20	Lower Brace - Low Profile	*.9360833
	Lower Brace - Low Profile (5")	**.9361267
21	3/4" Flat Washer	0142021
22	Tie Brace	
	109'[33.22m] & 128'[39.01m] Spans-10" Dia. (42.12"[1069.8mm] Lg.)	1780633
	6", 6-5/8" & 8-5/8" Dia. (33.06"[839.7mm] Lg.)	9360174
23	5/8" x 1-1/4" Cap Screw	0161379

(*)- These items are located in KA09339.
(**)- 5" Items for Model 8120.

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See "Detail A"

EFFECTIVE
Oct. 1998 thru Jan. 2012



Detail A
INTERNATIONAL ONLY

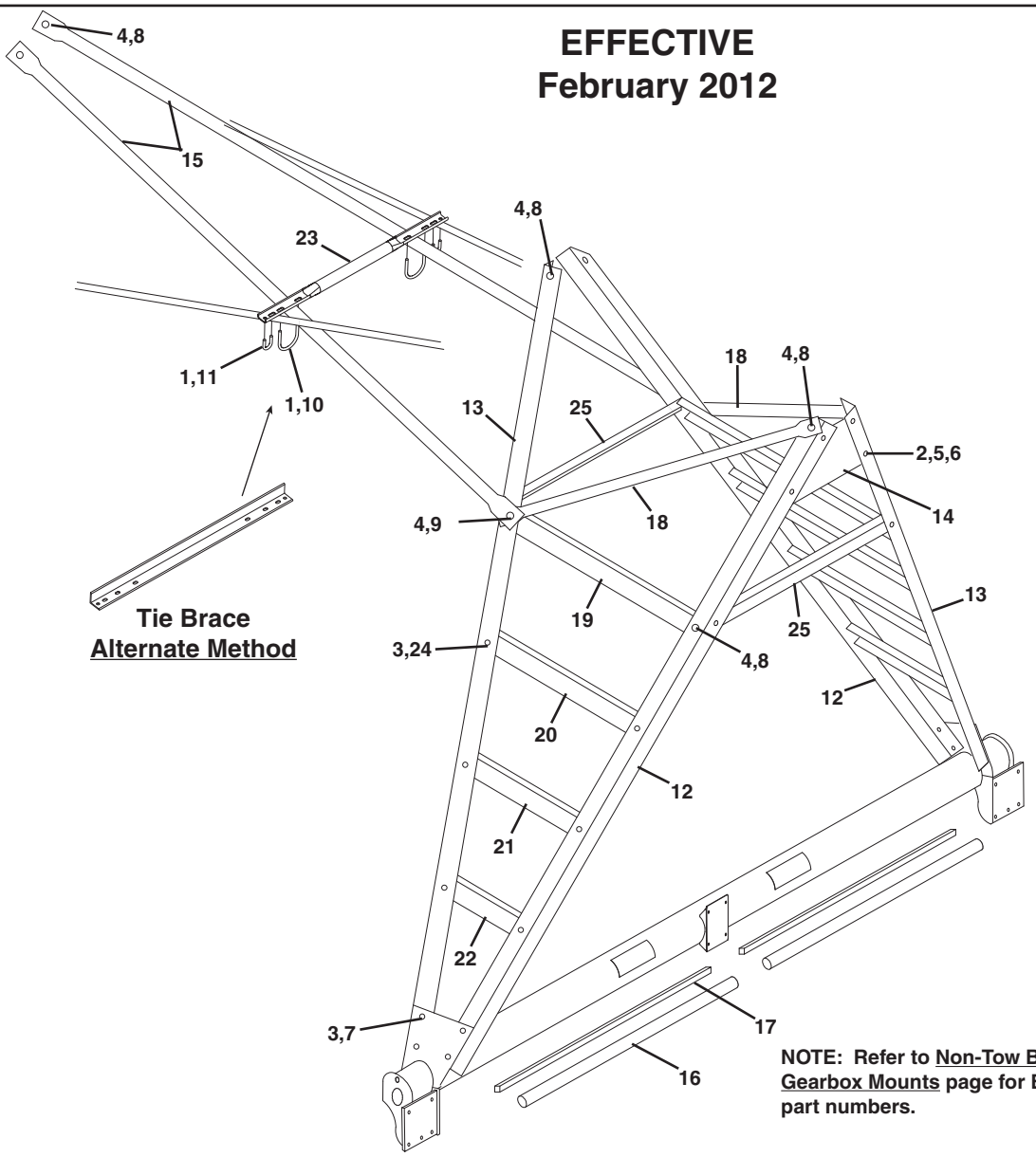
NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	6-5/8" Clamp - 4" Wide	1700622
	8-5/8" Clamp - 4" Wide	9330002
7	6-5/8" Tower Support Bracket	9360724
	8-5/8" Tower Support Bracket	9360725
8	1/2" x 1-1/4" Cap Screw	0161027
9	5/8" x 1-3/4" Cap Screw	0161088
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" x 2-1/2" Cap Screw	0161159
12	3/8" x 4" x 3" U-Bolt	0175005
13	3/8" x 1-3/4" x .94" U-Bolt	0176035
14	Drive Unit Leg-Right Hand	9360823
15	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360824
16	Drive Unit - Reinforcing Plate	1780400
17	Pipe Tower Support - Model 8000 Spans	9360071
	P.T. Sup.-109'[33.22m]&128'[39.01m]-10" Spans	1780420
	Pipe Tower Support - Model 8120 Spans	9360722
18	Drive Shaft Shield - High Profile	** 0992717
19	7/8" Square Drive Shaft - High Profile	** 9361714
20	Drive Unit Diagonal - High Profile	** 1780818
21	Upper Brace - High Profile	** 1780819
22	Upper Intermediate Brace - High Profile	** 9360841
23	Lower Intermediate Brace - High Profile	** 9360842
24	Lower Brace - High Profile	** 9360843
25	Tie Brace	
	109'[33.22m] & 128'[39.01m] Spans-10" Dia. (46.72"[1186.7mm] Lg.)	1780341
	135'[41.15m] & 160'[48.77m] Spans-6"& 6-5/8" Dia. (31.94"[811.3mm] Lg.)	9360078
	180'[54.86m] & 205'[62.48m] Spans-6"& 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	135.2'[41.21m] & 157.5'[48.01m] Exp.-6"&6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	Model 8120 (36.81"[934.9mm] Lg.)	9360733
26	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
27	5/8" x 1-1/4" Cap Screw	0161379
28	Truss Angle Spreader (60.12"[1527.0mm] Lg.)	9360188

(**) - These items are located in KA09342.

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EFFECTIVE
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NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

ITEM	DESCRIPTION	PART #
1	3/8" Flange Nut	0134055
2	1/2" Lock Nut	0133005
3	5/8" Lock Nut	0133010
4	3/4" Lock Nut	0133011
5	1/2" Flat Washer	0142025
6	1/2" x 1-1/4" Cap Screw	0161027
7	5/8" x 1-3/4" Cap Screw	0161088
8	3/4" x 1-3/4" Cap Screw	0161139
9	3/4" x 2-1/2" Cap Screw	0161159
10	3/8" x 4" x 3" U-Bolt	0175005
11	3/8" x 1-3/4" x .94" U-Bolt	0176035
12	Drive Unit Leg-Right Hand	9360823
13	Drive Unit Leg-Left Hand - I.D. Notch @ end	9360824
14	Drive Unit - Reinforcing Plate	1780400
15	Pipe Tower Support - Model 8000 Spans	9360071
	P. T. Sup.-109'[33.22m]&128'[39.01m]-10" Spans	1780420
	Pipe Tower Support - Model 8120 Spans	9360722
16	Drive Shaft Shield - High Profile	** 0992717
17	7/8" Square Drive Shaft - High Profile	** 9361714

ITEM	DESCRIPTION	PART #
18	Drive Unit Diagonal - High Profile	** 1780818
19	Upper Brace - High Profile	** 1780819
20	Upper Intermediate Brace - High Profile	** 9360841
21	Lower Intermediate Brace - High Profile	** 9360842
22	Lower Brace - High Profile	** 9360843
23	Tie Brace	
	135'[41.15m] & 160'[48.77m] Spans-6" & 6-5/8" Dia. (31.94"[811.3mm] Lg.)	9360078
	180'[54.86m] & 205'[62.48m] Spans-6" & 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	135.2'[41.21m] & 157.5'[48.01m] Exp.-6" & 6-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	115'[35.05m], 135', 140'[42.67m], 160' & 180' Sp.-8-5/8" Dia. (34.81"[884.2mm] Lg.)	9360079
	Model 8120 (36.81"[934.9mm] Lg.)	9360733
24	5/8" x 1-1/4" Cap Screw	0161379
25	Truss Angle Spreader (60.12"[1527.0mm] Lg.)	9360188

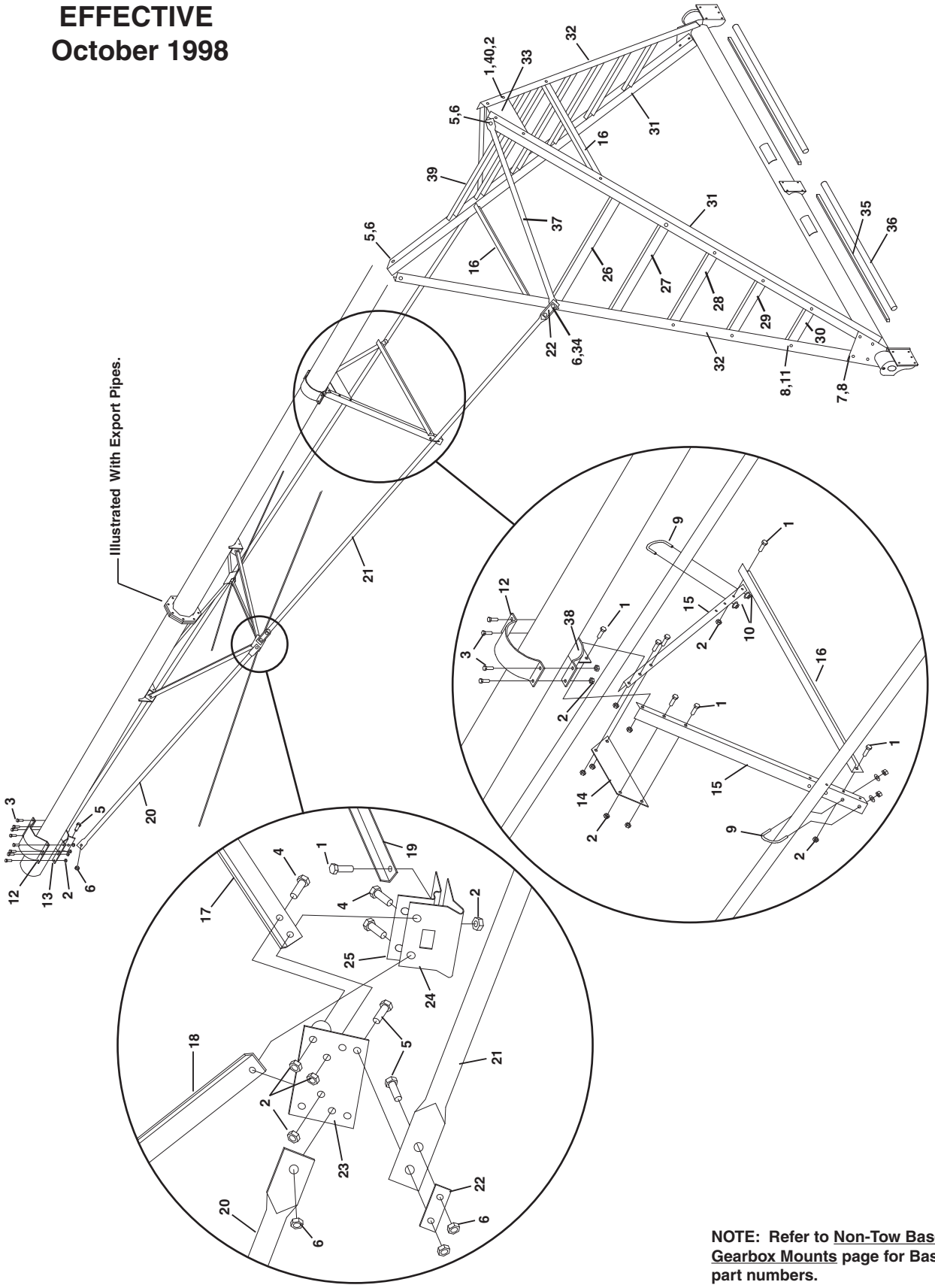
(**) - These items are located in KA09342.

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EFFECTIVE
October 1998



NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

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EFFECTIVE
October 1998

ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
7	5/8" x 1-3/4" Cap Screw	0161088
8	5/8" Lock Nut	0133010
9	3/8" x 4" x 3" U-Bolt	0175005
10	3/8" Flange Nut	0134055
11	5/8" x 1-1/4" Cap Screw	0161379
12	6-5/8" Pipe Clamp	1700622
	8-5/8" Pipe Clamp	9330002
13	6-5/8" Half Clamp w/Ears	1781207
	8-5/8" Half Clamp w/Ears	9360194
14	Trapezoid Plate	9360187
15	Truss Diagonal, 53.74"[1365.0mm] Long	9332009
16	Angle Spreader, 60.12"[1527.0mm] Long	9360188
**17	Truss Diagonal w/I.D. Hole, 61.68"[1567.7mm] Long	9360052*
**18	Truss Diagonal, 58.81"[1493.8mm] Long	9360074
19	Truss Spreader, 52.25"[1327.2mm] Long	9360053
20	Tower Support, 15'-11.75"[487.1cm] Long	9360722
21	Tower Support, 18'-6.91"[566.2cm] Long	9332008
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Outer Socket	9360069
25	Inner Socket	9360070
26	Upper Brace, 36.81"[935.0mm] Long	1780819
27	Upper Intermediate Brace, 31.46"[799.1mm] Long	9360837
28	Middle Brace, 26.20"[665.5mm] Long	9360838
29	Lower Intermediate Brace, 20.94"[531.9mm] Long	9360839
30	Lower Brace, 15.68"[398.3mm] Long	9360840
31	Drive Unit Leg, Right Hand	9360830
32	Drive Unit Leg, Left Hand	9360829
33	Drive Unit Reinforcing Plate	1780400
34	3/4" x 2-1/2" Cap Screw	0161159
35	Drive Shaft - .875" Sq. x 101.09"[2567.7mm] Long	9360178
36	Drive Shaft Shield	0994598
37	Drive Unit Diagonal	9360186
38	6-5/8" Truss Hanger	9360177
	8-5/8" Truss Hanger	9360193
39	Brace Ultra High Profile, 39.06"[992.1mm] Long	9360836
40	1/2" Flat Washer	0142025

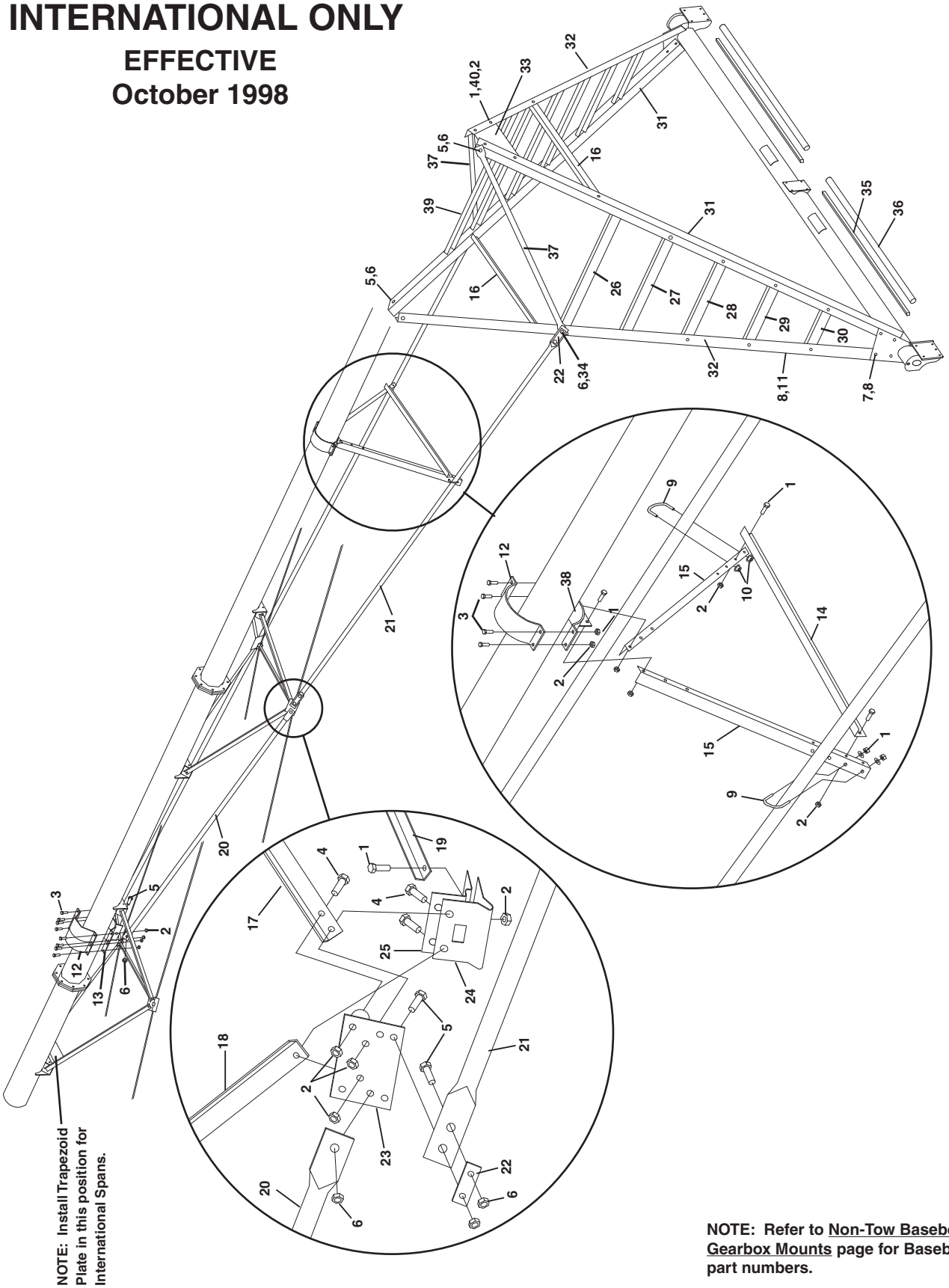
*** NOTE:** Longer Diagonal has I.D. and is to be located away from Span Center.

**** NOTE:** Items #17 and #18 - Truss Diagonals are used for <u>ALL</u> span lengths located at First Span position: 115', 135', 140', 160', 180', 185' and 187'.

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EFFECTIVE
October 1998



NOTE: Refer to Non-Tow Basebeam Gearbox Mounts page for Basebeam part numbers.

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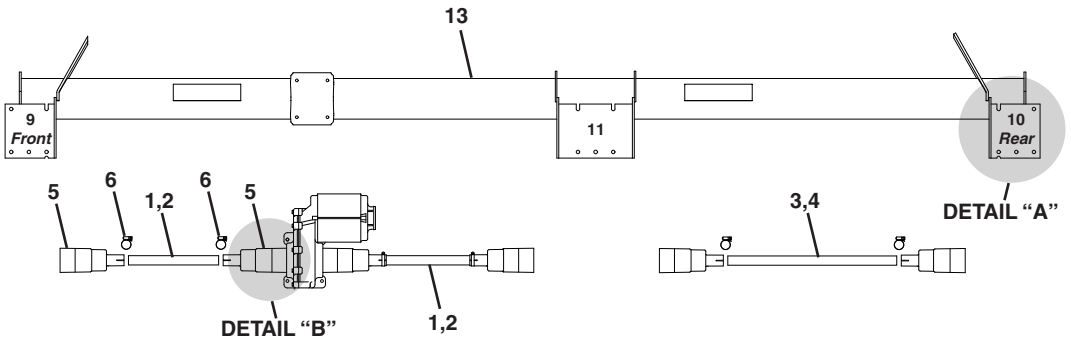
EFFECTIVE
October 1998

ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
7	5/8" x 1-3/4" Cap Screw	0161088
8	5/8" Lock Nut	0133010
9	3/8" x 4" x 3" U-Bolt	0175005
10	3/8" Flange Nut	0134055
11	5/8" 1-1/4" Cap Screw	0161379
12	6-5/8" Pipe Clamp	1700622
	8-5/8" Pipe Clamp	9330002
13	6-5/8" Half Clamp w/Ears	1781207
	8-5/8" Half Clamp w/Ears	9360194
14	Truss Diagonal w/I.D. Hole, 61.68"[1567.7mm] Long	9360052
15	Truss Diagonal, 53.74"[1365.0mm] Long	9332009
16	Angle Spreader, 60.12"[1527.0mm] Long	9360188
17	Truss Diagonal w/I.D. Hole, 63.36"[1609.4mm] Long (Model 8120 Spans)	9360735*
18	Truss Diagonal, 60.67"[1541.0mm] Long (Model 8120 Spans)	9360734
19	Truss Spreader, 56.00"[1422.4mm] Long (Model 8120 Spans)	9360736
20	Tower Support, 15'-11.75"[487.1cm] Long (Model 8120 Spans)	9360722
21	Tower Support, 19'-8.62"[601.0cm] Long (Model 8120 Spans)	9360748
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Outer Socket	9360069
25	Inner Socket	9360070
26	Upper Brace, 36.81"[935.0mm] Long	1780819
27	Upper Intermediate Brace, 31.46"[799.1mm] Long	9360837
28	Middle Brace, 26.20"[665.5mm] Long	9360838
29	Lower Intermediate Brace, 20.94"[531.9mm] Long	9360839
30	Lower Brace, 15.68"[398.3mm] Long	9360840
31	Drive Unit Leg, Right Hand	9360830
32	Drive Unit Leg, Left Hand	9360829
33	Drive Unit Reinforcing Plate	1780400
34	3/4" x 2-1/2" Cap Screw	0161159
35	Drive Shaft - .875" Sq. x 101.09"[2567.7mm] Long	9360178
36	Drive Shaft Shield	0994598
37	Drive Unit Diagonal	9360186
38	6-5/8" Truss Hanger	9360177
	8-5/8" Truss Hanger	9360193
39	Brace Ultra High Profile, 39.06"[992.1mm] Long	9360836
40	1/2" Flat Washer	0142025

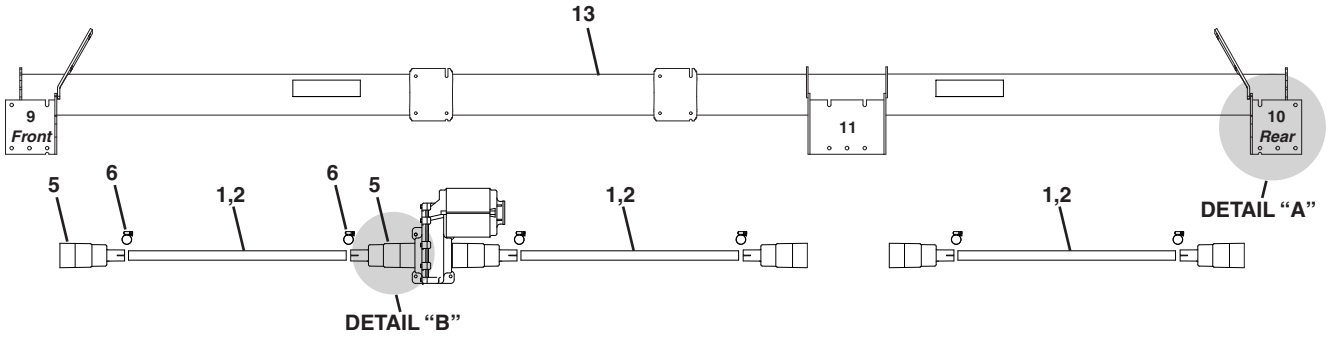
*** NOTE: Longer Diagonal has I.D. and is to be located away from Span Center.**

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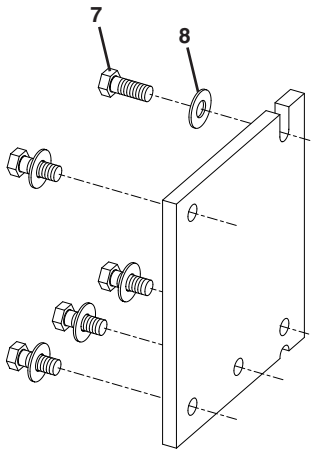


STANDARD PROFILE

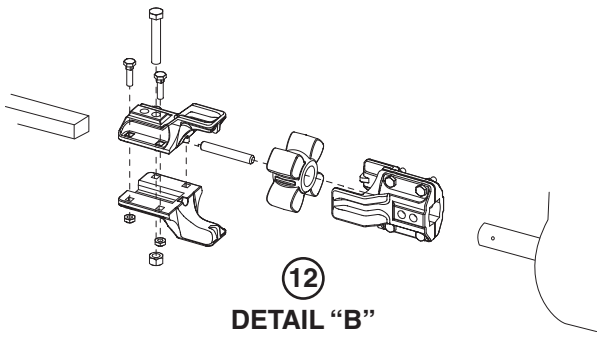


HIGH PROFILE

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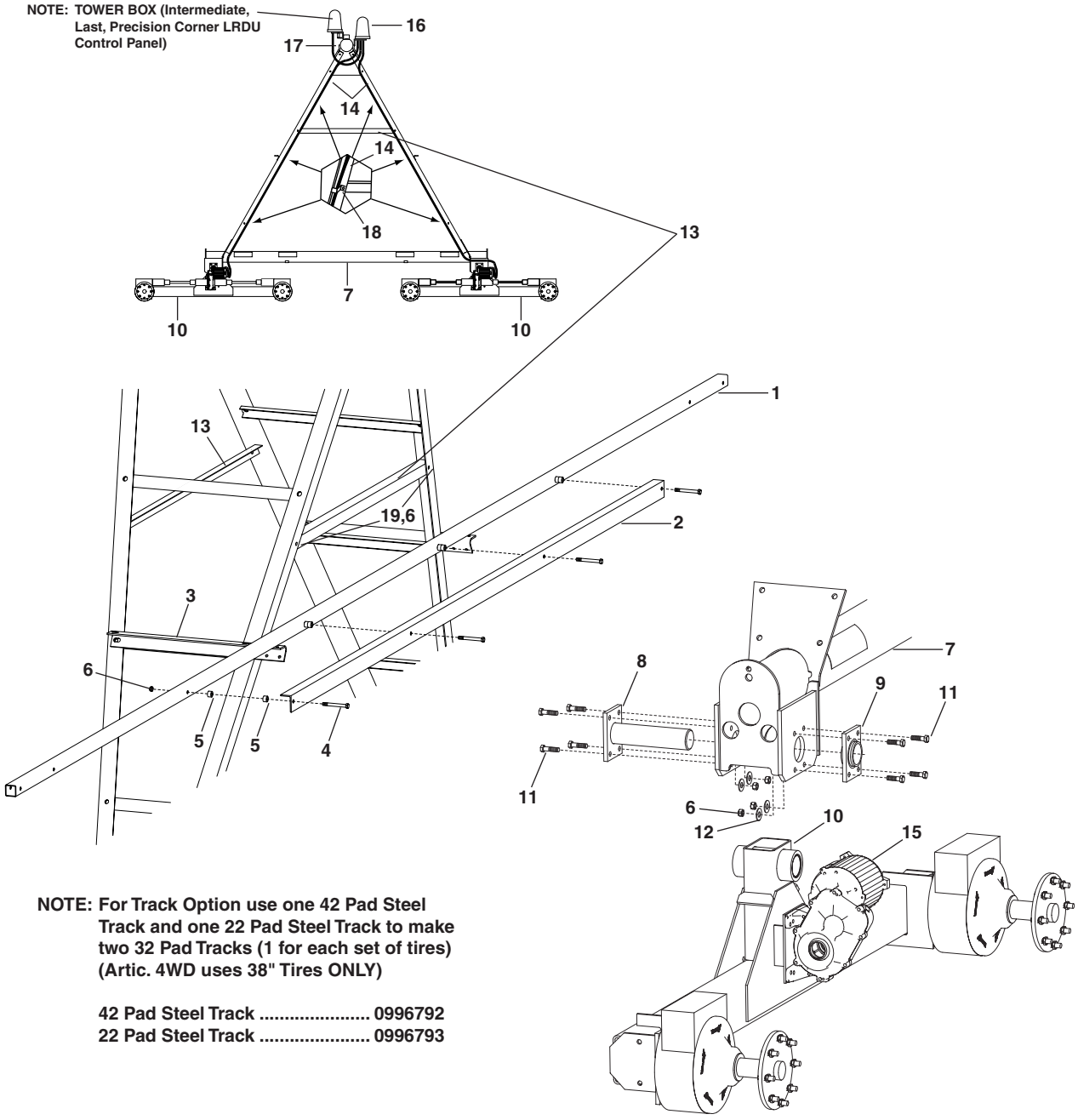
DETAIL "A"
(Gearbox Installation)



DETAIL "B"
Ultra Heavy Duty Flex Joint Kit
(refer to "Greaseless U-Joint" page in this section for Kit details.

ITEM	DESCRIPTION	PART #
1	3 Wheel Basebeam Drive Shaft - Standard Profile	9361659
	- High Profile	9364340
2	3 Wheel Basebeam Drive Shaft Shield - Standard Profile	9361658
	- High Profile	0998672
3	3 Wheel Basebeam Drive Shaft - Long	9361715
4	Drive Shaft Shield - Low Profile	0992716
5	U-Joint Shield - Long	1702614
6	Clamp, Stainless Steel	0271013
7	1/2" x 1-1/4" Cap Screw	0161027
8	1/2" Flat Washer	0142025
9	Front Non-Tow Gearbox - Standard	1701966
	Front Non-Tow Gearbox - Heavy Duty	1732144
10	Rear Non-Tow Gearbox - Standard	1701965
	Rear Non-Tow Gearbox - Heavy Duty	1732143
11	3 Wheel Gearbox - Ductile Worm - Double Input	1703321
	3 Wheel Gearbox - Steel Worm - Double Input - Bronze Gear - Heavy Duty	9363173
12	Ultra Heavy Duty Flex Joint Kit w/Rod - 7/8" Sq. x 1" Round (NonTow)	KA01300
13	3 Wheel Basebeam Assembly - Standard Profile	9361652
	- High Profile	9364341
	COMPLETE Drive Unit Update Pkg. - Standard Profile	0000F31
	COMPLETE Drive Unit Update Pkg. - High Profile	0000J52
	Drive Unit Diagonal Tube (not shown) (refer to Drive Unit section in this manual).	9361138

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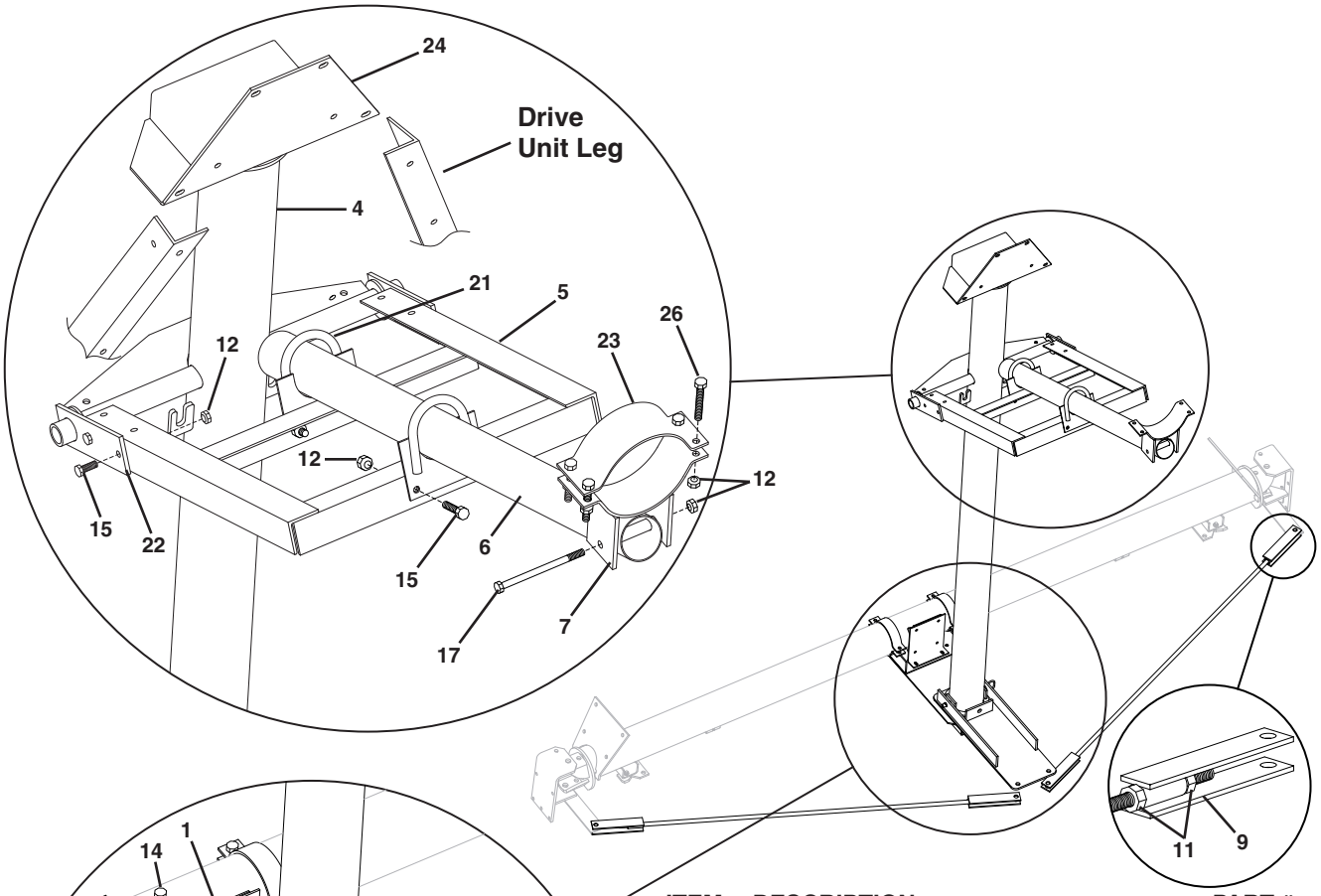
NOTE: For Track Option use one 42 Pad Steel Track and one 22 Pad Steel Track to make two 32 Pad Tracks (1 for each set of tires) (Artic. 4WD uses 38" Tires ONLY)

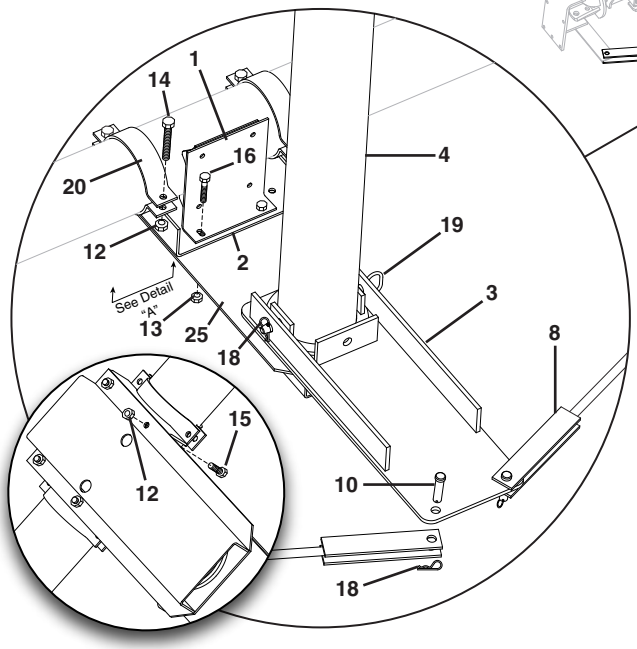
42 Pad Steel Track 0996792
22 Pad Steel Track 0996793

ITEM	DESCRIPTION	PART #
1	Mounting Beam	9362453
2	Mounting Beam Support Angle	9362640
3	End-of-Field Stop Mount	9360846
4	1/2" x 4-1/2" Cap Screw	0161110
5	9/16" x 5/8" Spacer	0192074
6	1/2" Lock Nut	0133005
7	Basebeam Assm.	9362086
8	Pivot Pin Assm.	9362145
9	Pivot Pin Bearing Assm	9362165
10	Drive Beam Assm. w/ Bearing	9362530
11	1/2" x 1-3/4" Cap Screw	0161029
12	1/2" Flat Washer	0142025
13	Truss Angle Spreader	9360188

ITEM	DESCRIPTION	PART #
14	Motor Cable - 4 Cond. 14 Ga.	1812008
15	Motor/Gearbox Assm. - 34 RPM	03E1554
	Motor/Gearbox Assm. - 68 RPM	03E1558
	Gearbox Assm. , Inverter - 34 RPM	03E2227
16	Overload Tower Box (480v 3-Phase Motors)	1814490
	Fused Tower Box (Inverter Rated Motors)	1814554
17	Cable, 6 Cond. 14 Ga. (480v 3-Phase Motors)	9311270
	Cable, 4 Cond. 14 Ga. (Inverter Rated Motors)	1813774
18	Keeper - Sealtite	1700157
19	1/2" x 1-1/4" Cap Screw	0161027
	Heavy Duty Standard Profile Bundle (1 ea/ Drive Unit)	KA09690

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Detail "A"

ITEM	DESCRIPTION	PART #
1	Motor Mount Plate	9363095 *
2	Drive Unit Mount Assm.	9363096
3	Riser Seat Assm.	9363098
4	Steering Riser Assm.	9363101
5	Steering Arm Assm.	9363105
6	Steering Tube Assm.	9363108
7	Pipe Mount Assm. - 5"	9363111
	- 6-5/8"	9363112
8	Tie Rod Assm.	9363115
9	Tie Rod End Assm.	9363118 *
10	3/4" x 2" Clevis Pin	0112037 *
11	3/4" Hex Nut	0131008 *
12	1/2" Lock Nut	0133005 *
13	5/16" Lock Nut	0133007 *
14	1/2" x 2-1/2" Cap Screw	0161023 *
15	1/2" x 1-1/4" Cap Screw	0161027 *
16	5/16" x 1-1/4" Cap Screw	0161051 *
17	1/2" x 7" Cap Screw	0161418 *
18	5/32" Hair Pin	0181034 *
19	3/4" x 10" Pin	1700763 *
20	Half Clamp - 6-5/8"	1720290 *
21	Steering Arm Guide	1781243 *
22	Bracket Plate	1781263 *
23	Half Clamp - 5"	9360921
	- 6-5/8"	1700622
24	Riser Bracket Assm.	1781287
25	Riser Bracket Base	1781288
26	1/2" x 3" Cap Screw	0161136 *

***COMPLETE Reverse Tow Hardware Kit..... KA09791**

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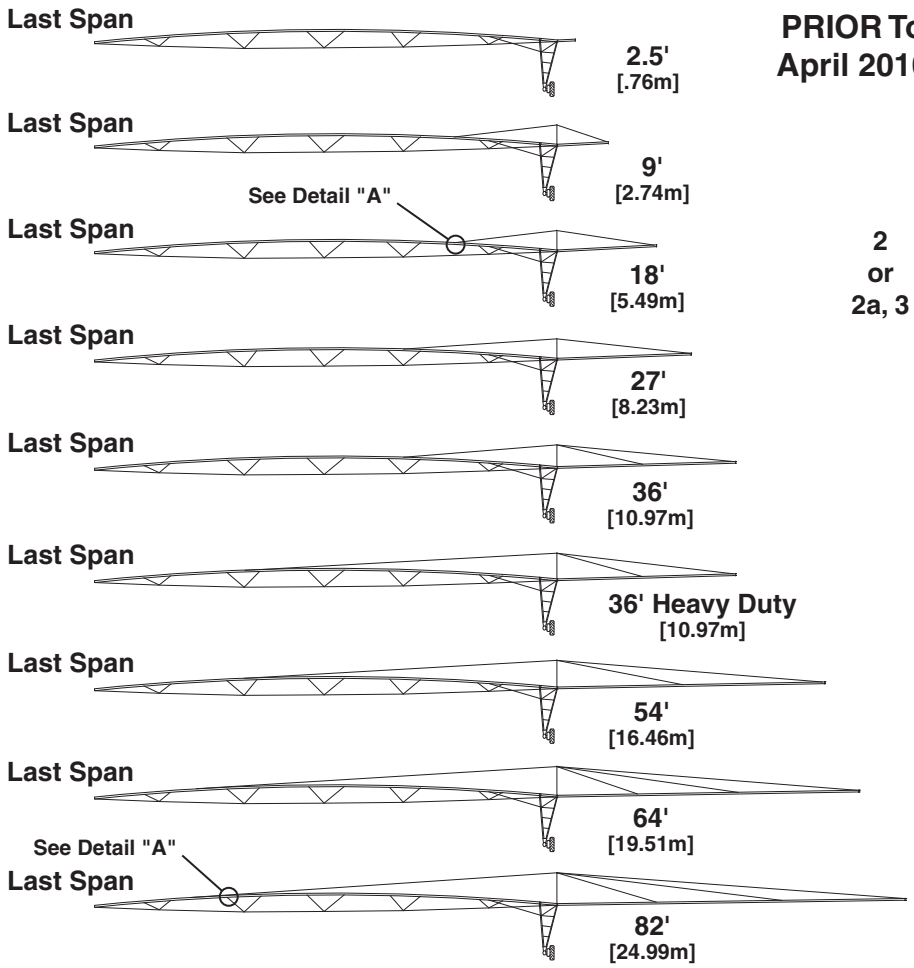
OVERHANGS

2 Wheel Linear - Effective 1/10

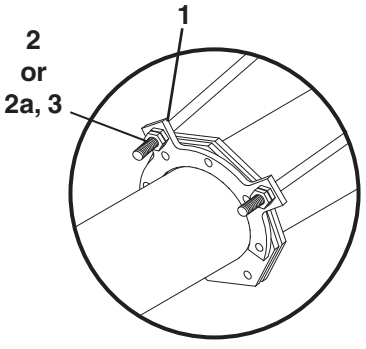
Description	Rev. #	Pg. #
Back Cables & Accessories - PRIOR to April 10	04-10	12-3
Back Cables & Accessories - EFFECTIVE April 10	07-14	12-4
Overhang Cable Chart	02-18	12-5
6-5/8"		
No Overhang	04-15	12-6
2.5'[.76m] Overhang	04-15	12-7
9'[2.74m] Overhang	07-17	12-8
18'[5.49m] Overhang	07-17	12-9
27'[8.23m] Overhang	07-17	12-10
36'[10.97m] Overhang	07-17	12-11
36'[10.97m] Heavy Duty Overhang	04-15	12-12
45'[13.72m] Overhang	04-15	12-13
54'[16.46m] Overhang	04-15	12-14
64'[19.50m] Overhang	04-15	12-15
73'[22.25m] Overhang	04-15	12-16
82'[24.99m] Overhang	04-15	12-17
Sign Mounting	07-18	12-18
5"		
No Overhang	11-10	12-19
19.2'[5.84m] Overhang	07-17	12-20
28.5'[8.68m] Overhang	07-17	12-21
37.2' [11.49m] Overhang	07-17	12-22
55.9'[17.04m] Overhang	02-13	12-23
74'[22.56m] Overhang	02-13	12-24

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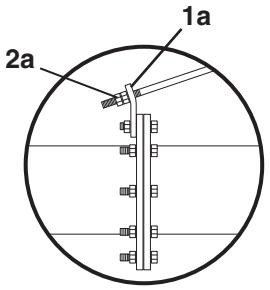
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PRIOR To April 2010



Detail "A"



5" Cable Mount

NOTE: Effective May 98, 9/32" Cables are required for long overhangs made with 6-5/8" Pipe.
NOTE: Eff Jun 04, 5/16" Cables are required for 82' Overhangs.

Overhang Length (ft)	Last Span Length (ft)	(m)	1/4" Back Cable	Overall Cable Length (in)	(cm)	Heavy Duty Back Cable		Overall Length (in)	(cm)
	2.5'	All	--	--	--				
9',18',27'	Domestic & Exp.		9360084	501.12"	1272.8	5/16" - 82'	9/32"		
9',18',27'	*International		9360713	472.50"	1200.2				
36'	Domestic & Exp.		--	--	--	--	9362398	501.12"	1272.8
36'	*International		--	--	--	--	9362399	472.50"	1200.2
36'HD,54',64'	115'	35.1	9360200	815.50"	2071.4	9360746	9361987	816.00"	2072.6
36'HD,54',64'	123'	37.5	--	--	--	9360958	9361988	940.00"	2387.6
36'HD,54',64'	135'	41.1	9360025	1051.12"	2669.8	9360745	9361989	1051.77"	2671.5
36'HD,54',64'	140'	42.7	9360201	1107.50"	2813.1	9360744	9361990	1108.18"	2814.8
36'HD,54',64'	*142'	43.3	--	--		9360714	9361998	1162.72"	2953.3
36'HD,54',64'	157.5'	48.0	9360026	1316.62"	3344.2	9360743	9361991	1317.43"	3346.3
36'HD,54',64'	160'	48.8	9360027	1345.12"	3416.6	9360742	9361992	1345.95"	3418.7
36'HD,54',64'	*161'	49.1	--	--	--	9360715	9361999	1386.45"	3521.6
36'HD,54',64'	180'	54.9	9360028	1583.12"	4021.1	9360741	9361993	1584.11"	4023.6
36'HD,54',64'	*180'	54.9	--	--		9360716	9362000	1610.80"	4091.4
36'HD,54',64'	185'	56.4	9360029	1640.12"	4165.9	9360740	9361994	1641.13"	4168.5
36'HD,54',64'	187'	57.0	9360030	1662.12"	4221.8	9360739	9361995	1663.15"	4224.4

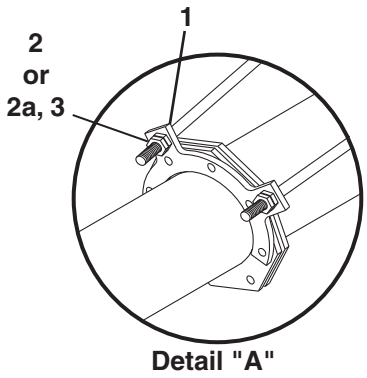
*** NOTE: International Spans**

Prior to May 1998

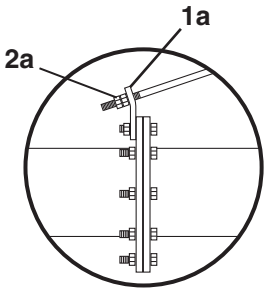
ITEM	DESCRIPTION	PART #
1	Cable Mounting Ear Bracket (6-5/8" Pipe w/82' O/H)	9361357
1a	Cable Mounting Ear Bracket (5" Pipe)	1700890
2	7/8" Hex Nut	0131005
2a	3/4" Jam Nut	0131008
3	3/4" Flat Washer	0142021

NOTE: 9/32" or 5/16" Cables can be used in place of 1/4" Cables if replaced in pairs.

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Detail "A"



5" Cable Mount

EFFECTIVE
April 2010

ITEM	DESCRIPTION	PART #
1	Cable Mounting Ear Bracket (6-5/8" Pipe w/82' O/H)	9361357
1a	Cable Mounting Ear Bracket (5" Pipe)	1700890
2	7/8" Hex Nut	0131005
2a	3/4" Jam Nut	0131008
3	3/4" Flat Washer	0142021

SHORT OVERHANGS

Overhang Length (ft)	Model	1/4" Back Cable	Overall Cable Length (in)	(cm)	Heavy Duty Back Cable	Overall Length (in)	(cm)
9',18',27'	8000 & 800E	9360084	501.12"	1272.8	9/32"		
9',18',27'	8120	9360713	472.50"	1200.2			
36'	8000 & 800E	-	-	-	9362398	501.12"	1272.8
36'	8120	-	-	-	9362399	472.50"	1200.2

NOTE: For PolySpan & 5", Overhang is 1 ft. longer than shown in chart because of Stub used.

LONG OVERHANGS

Last Span Length (ft)	(m)	Overhang Length 36'HD,45',54',64',74'* 9/32" Cable	73', 82' 5/16" Cable	Overall Cable Assm. Length (ft-in)	(m)	Model
115'	35.1	9361987	9360746	68' - 0.00"	20.7	8000 & 7000
123'	37.5	9361988	9360958	78' - 4.00"	23.9	8120
135'	41.1	9361989	9360745	87' - 7.77"	26.7	8000, 800E, 7000, & 5000
140'	42.7	9361990	9360744	92' - 4.18"	28.1	8000 & 7000
142'	43.3	9361998	9360714	96' - 10.72"	29.5	8120, 5120
157.5'	48.0	9361991	9360743	109' - 9.43"	33.5	800E & 5000
160'	48.8	9361992	9360742	112' - 1.95"	34.2	8000 & 7000
161'	49.1	9361999	9360715	115' - 6.45"	35.2	8120, 5120
180'	54.9	9361993	9360741	132' - 0.11"	40.2	8000, 800E, 7000, & 5000
180'	54.9	9362000	9360716	134' - 2.80"	40.9	8120, 5120
185'	56.4	9361994	9360740	136' - 9.13"	41.7	8000 & 7000
187'	57.0	9361995	9360739	138' - 7.15"	42.2	8000 & 7000
199'	60.7	9362001	9360717	152' - 11.50"	46.6	8120, 5120
202.5'	61.7	9361996	9360738	154' - 3.26"	47.0	800E & 5000
205'	62.5	9361997	9360737	156' - 7.79"	47.7	8000

NOTE: For PolySpan & 5", Overhang is 1 ft. longer than shown in chart because of Stub used.

NOTE: 9/32" or 5/16" Cables can be used in place of 1/4" Cables if replaced in pairs.

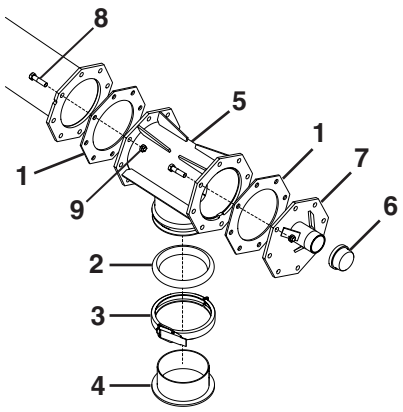
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MODEL 8000 OVERHANG CABLE CHART

Overhang Length	Inner Cable	Middle Cable	Outer Cable	Down Cable	Spreader Cable
2.5' [.76m]	—	—	—	—	—
9' [2.74m]	—	—	9360316 12'-3.00" [3.73m]	—	—
18' [5.49m]	1780200 20'-10.75" [6.37m]	—	—	—	—
27' [8.23m]	1780201 30'-1.25" [9.18m]	—	—	—	—
36' [10.97m]	1780200 20'-10.75" [6.37m]	—	1780202 38'-7.75" [11.78m]	9360033 8'-9.31" [2.67m]	—
36' HEAVY DUTY [10.97m]	9360035 25'-0.25" [7.63m]	—	9360036 40'-11.62" [12.49m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]
45' [13.72m]	9360034 32'-11.75" [10.05m]	—	9364496 49'-9.50" [15.18m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]
54' [16.46m]	9360034 32'-11.75" [10.05m]	—	1780203 58'-9.12" [17.91m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]
64' [19.51m]	9360035 25'-0.25" [7.63m]	9360036 40'-11.62" [12.49m]	1780204 67'-3.62" [20.51m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]
73' [22.25m]	9360034 32'-11.75" [10.05m]	9364496 49'-10.99" [15.21m]	9360955 76'-3.88" [23.26m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]
82' [24.99m]	9360034 32'-11.75" [10.05m]	1780203 58'-9.12" [17.91m]	1780205 85'-4.62" [26.03m]	1780228 (STD & HI) 20'-2" [6.15m] 1780637 (LOW) 17'-2.81" [5.25m]	1700976 21'-11.75" [6.70m]

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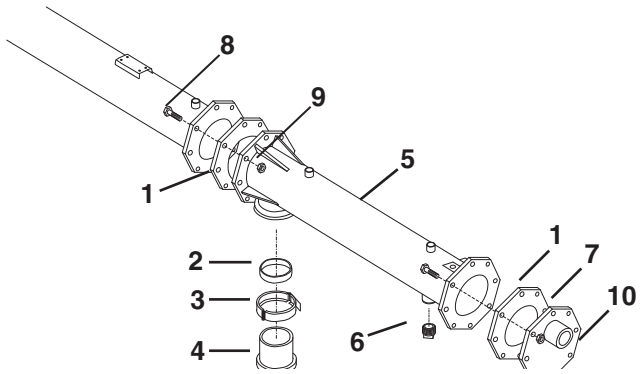
NOTE: No Overhang includes hardware for mounting Valley Sign on 6-5/8" Span Pipe. See Sign Mounting page in this section.



NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	6-5/8" Flat Gasket	0992211
2	6" Pierce Gasket	0221015
3	Circle Lock Ring - 6"	0992318
4	Pipeline Drain - 6"	1703157
5	6-5/8" Overhang Pipe Stub	9361817
6	2" Pipe Cap	0246046
7	6-5/8" End Plate	1800036
8	1/2" x 2" Cap Screw	0161024
9	1/2" Lock Nut	0133005

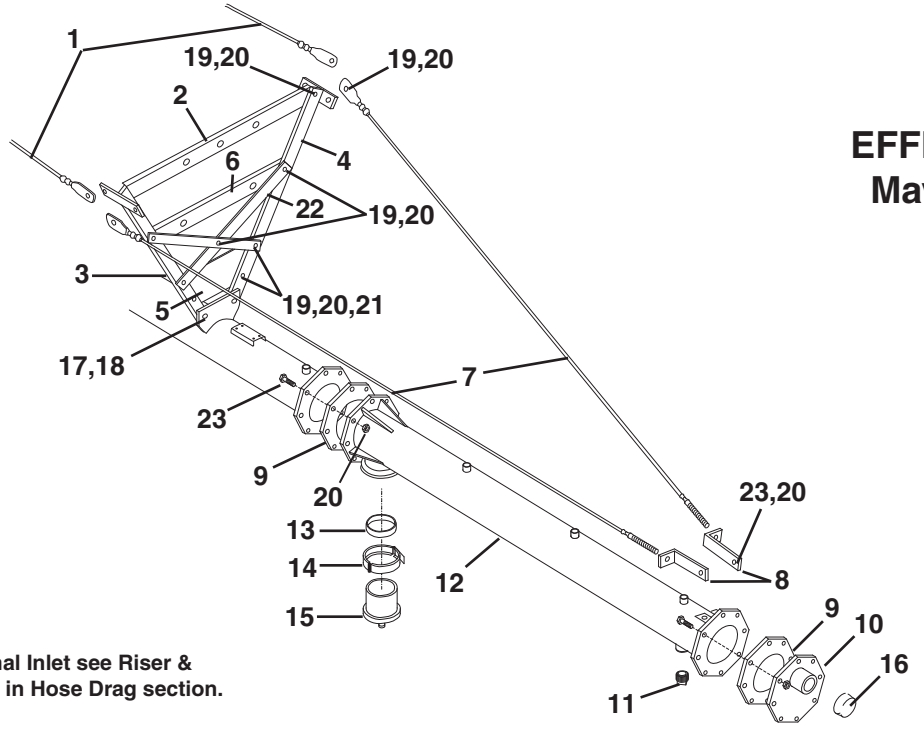
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NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	6-5/8" Flat Gasket	0992211
2	6" Pierce Gasket	0221015
3	Circle Lock Ring - 6"	0992318
4	Pipeline Drain - 6"	1703157
5	2.5'[.76m]-6-5/8" Diameter Overhang Pipe w/6" Drain	9361898
6	2" Pipe Plug	0246011
7	6-5/8" End Plate	1800036
8	1/2" x 2" Cap Screw	0161024
9	1/2" Lock Nut	0133005
10	2" Pipe Cap	0246046

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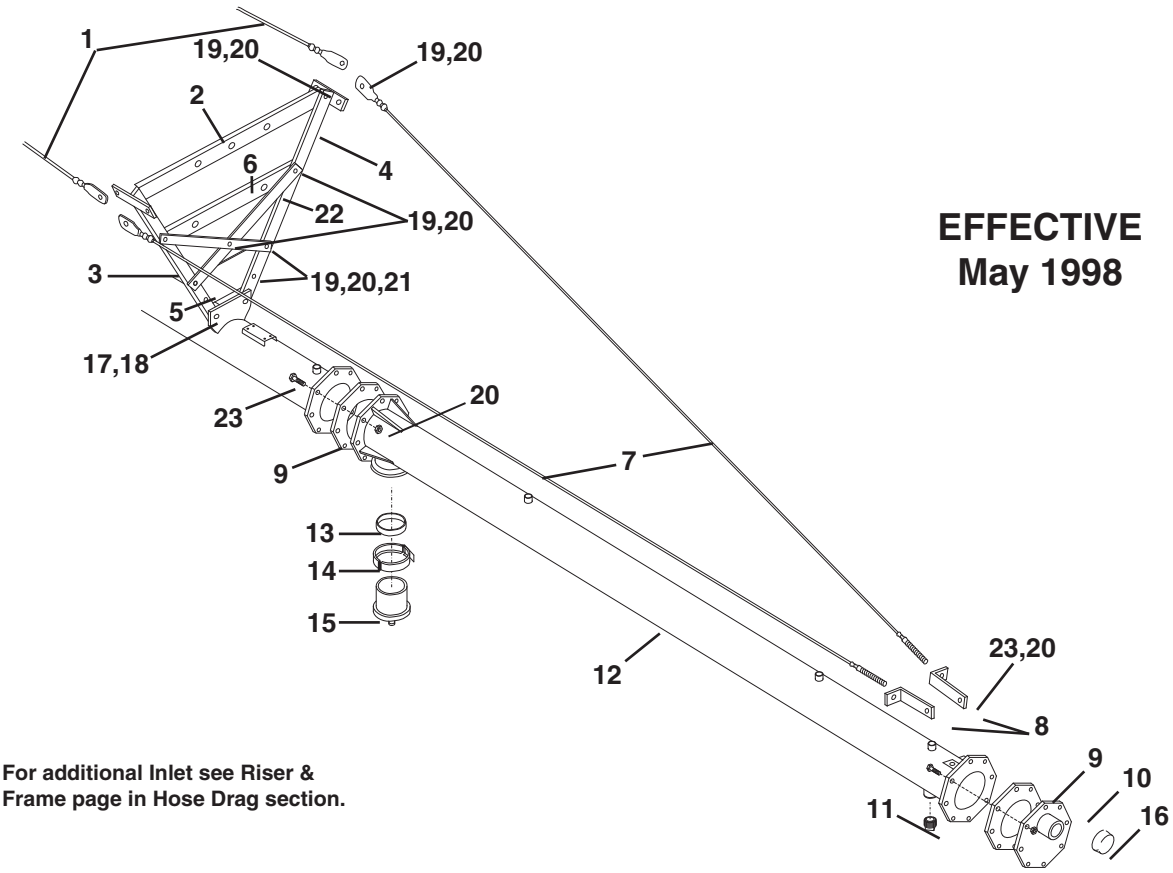
EFFECTIVE
May 1998

NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228 *
3	L.H. Overhang Truss	9360045 *
4	R.H. Overhang Truss	9360044 *
5	Gusset	1701641 *
6	Sign Support-Lower	9360227 *
7	Overhang Support Cable	9360316
8	Cable Support Bracket	1900024
9	6-5/8" Flat Gasket	0992211
10	6-5/8" End Plate	1800036
11	2" Pipe Plug	0246011
12	9'[2.74m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Spacing	9361902
	9'[2.74cm]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Spacing	9361899
13	6" Pierce Gasket	0221015
14	Circle Lock Ring - 6"	0992318
15	Pipeline Drain - 6"	1703157
16	Pipe Cap	0246046
17	3/4" x 1-3/4" Cap Screw	0161139
18	3/4" Lock Nut	0133011
19	1/2" x 1-1/4" Cap Screw	0161027
20	1/2" Lock Nut	0133005
21	1/2" Flat Washer	0142025
22	Brace Strap	9361716 *
23	1/2" x 2" Cap Screw	0161024

* COMPLETE Overhang Truss Kit KA01187

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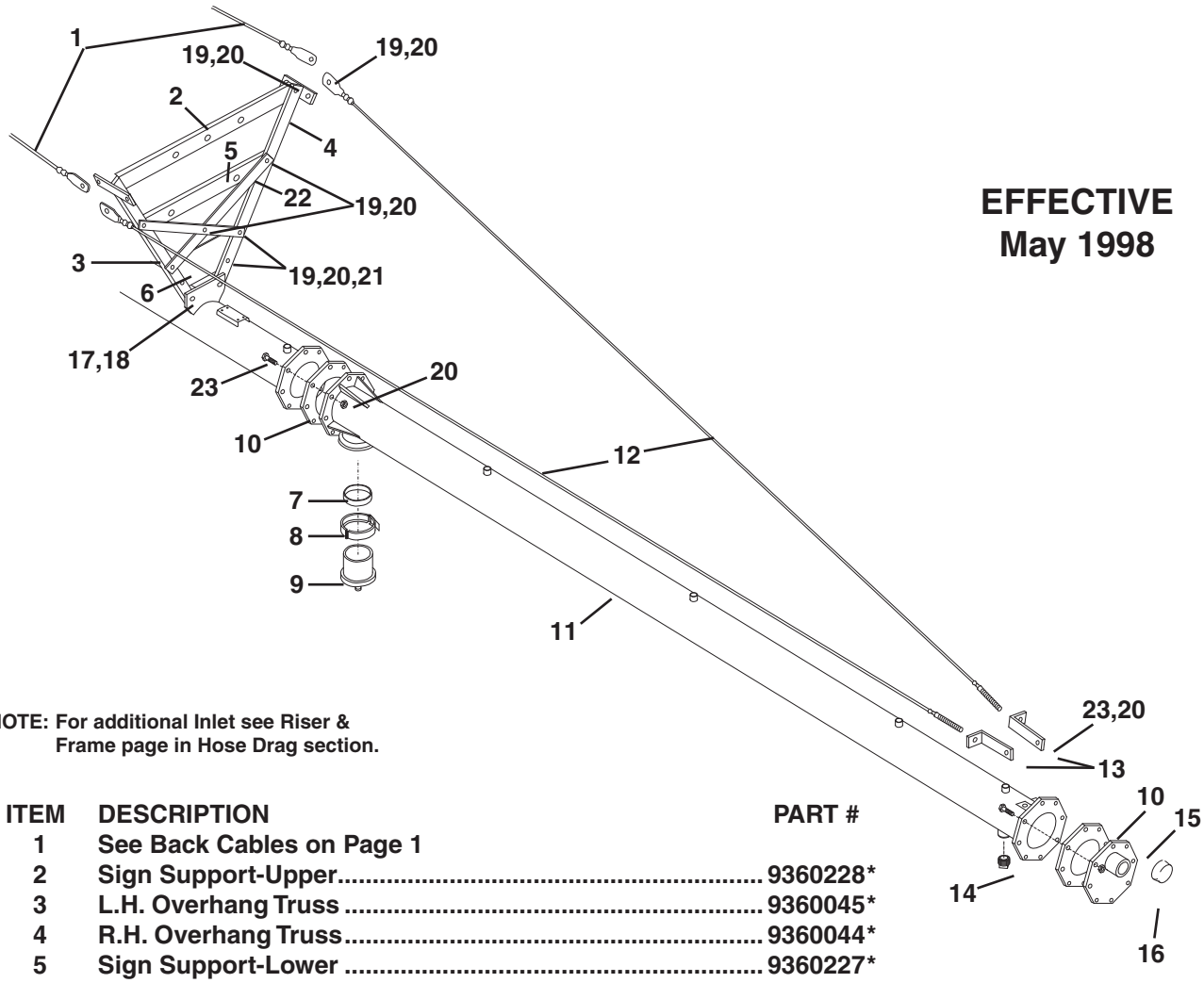
EFFECTIVE
May 1998

NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	Overhang Support Cable	1780200
8	Cable Support Bracket	1900024
9	6-5/8" Flat Gasket	0992211
10	6-5/8" End Plate	1800036
11	2" Pipe Plug	0246011
12	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Spacing	9361903
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Spacing	9361900
13	6" Pierce Gasket	0221015
14	Circle Lock Ring - 6"	0992318
15	Pipeline Drain - 6"	1703157
16	Pipe Cap	0246046
17	3/4" x 1-3/4" Cap Screw	0161139
18	3/4" Lock Nut	0133011
19	1/2" x 1-1/4" Cap Screw	0161027
20	1/2" Lock Nut	0133005
21	1/2" Flat Washer	0142025
22	Brace Strap	9361716*
23	1/2" x 2" Cap Screw	0161024

*** COMPLETE Overhang Truss Kit..... KA01187**

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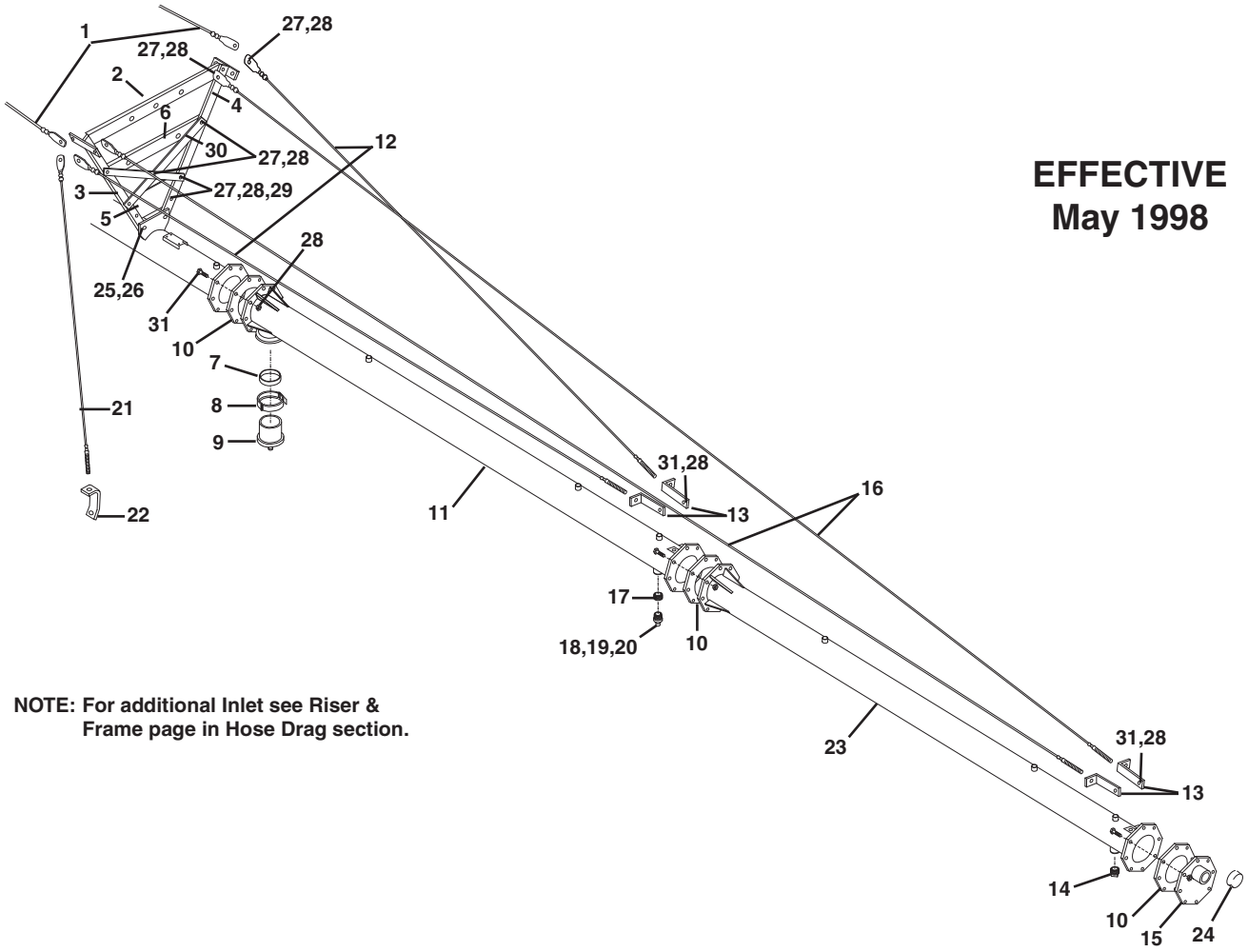
EFFECTIVE
May 1998

NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Sign Support-Lower	9360227*
6	Gusset	1701641*
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Spacing	9361904
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Spacing	9361901
12	Overhang Support Cable	1780201
13	Cable Support Bracket	1900024
14	2" Pipe Plug	0246011
15	6-5/8" End Plate	1800036
16	Pipe Cap	0246046
17	3/4" x 1-3/4" Cap Screw	0161139
18	3/4" Lock Nut	0133011
19	1/2" x 1-1/4" Cap Screw	0161027
20	1/2" Lock Nut	0133005
21	1/2" Flat Washer	0142025
22	Brace Strap	9361716*
23	1/2" x 2" Cap Screw	0161024

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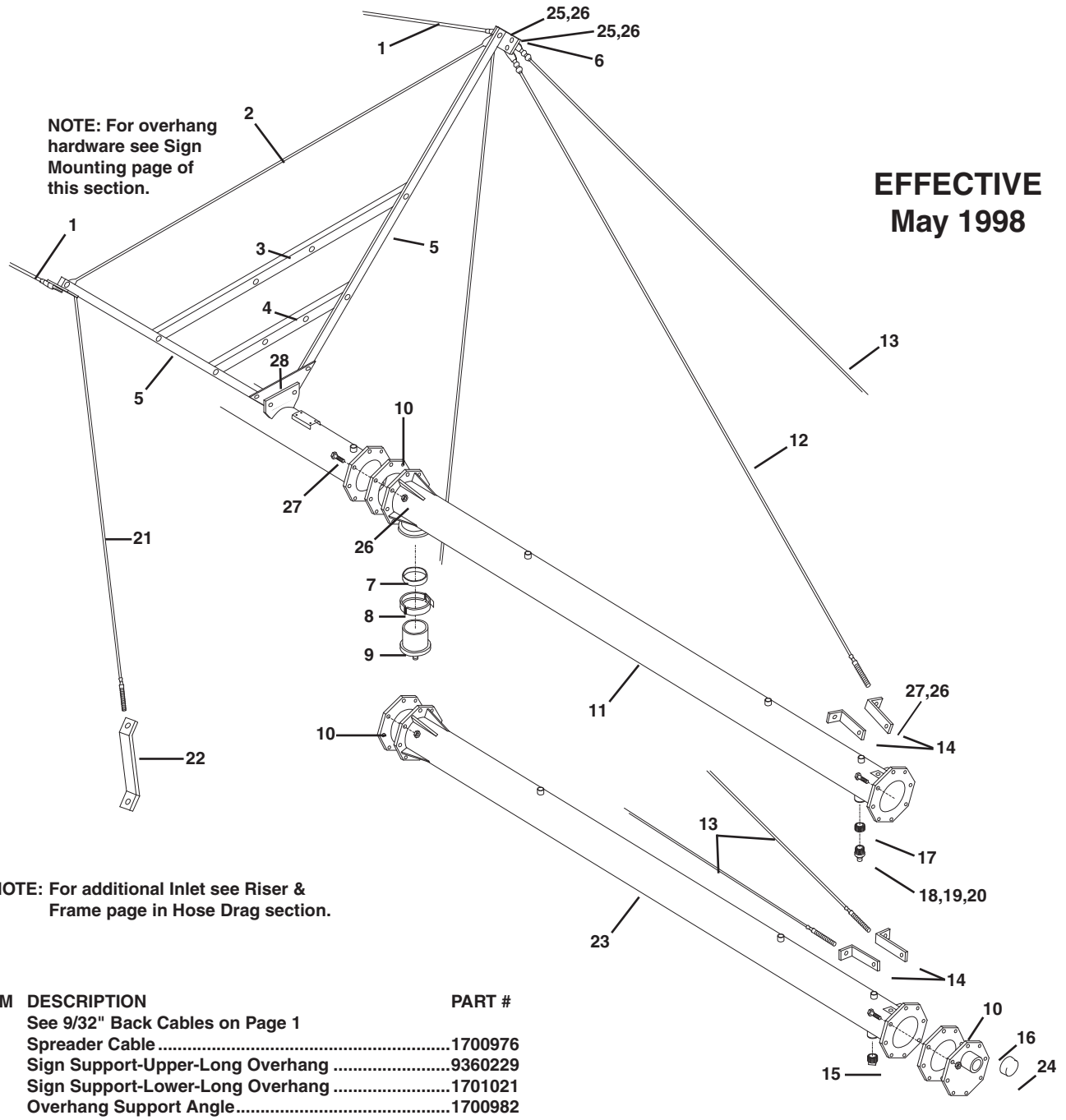
NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Spac.	9361903
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Spac.	9361900
12	Overhang Support Inner Cable	1780200
13	Cable Support Bracket	1900024
14	2" Pipe Plug	0246011
15	6-5/8" End Plate	1800036
16	Overhang Support Outer Cable	1780202
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170

ITEM	DESCRIPTION	PART #
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	Down Cable - Standard Profile	9363790
	- High & Ultra High Profile	9360033
	- Low Profile	9360202
22	Cable Support Bracket - Stand., High & U.H. Prof.	9360196
	- Low Profile	9360851
23	18'[5.49m]-4" Dia. O.H. Pipe 108"[274.3cm] Spac.	9360647
	18'[5.49m]-4" Dia. O.H. Pipe 30"[76.2cm] Spac.	9360641
24	Pipe Cap	0246046
25	3/4" x 1-3/4" Cap Screw	0161139
26	3/4" Lock Nut	0133011
27	1/2" x 1-1/4" Cap Screw	0161027
28	1/2" Lock Nut	0133005
29	1/2" Flat Washer	0142025
30	Brace Strap	9361716*
31	1/2" x 2" Cap Screw	0161024

*COMPLETE O/H Truss Kit KA01187

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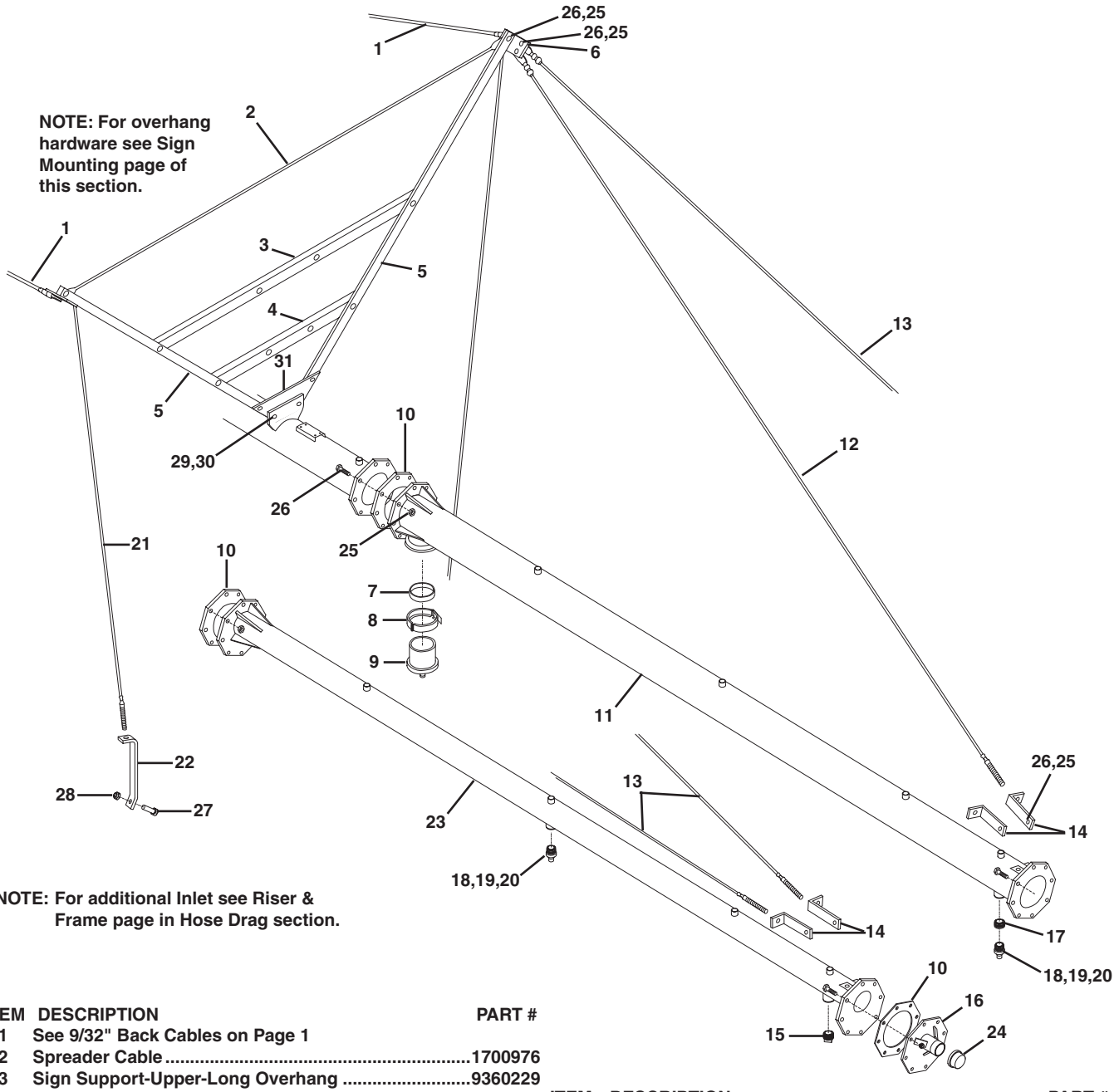
EFFECTIVE
May 1998

NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 9/32" Back Cables on Page 1	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361903
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361900
12	Overhang Support Inner Cable	9360035
13	Overhang Support Middle Cable	9360036
14	Cable Support Bracket	1900024
15	2" Pipe Plug	0246011
16	6-5/8" End Plate	1800036
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170
19	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
20	Lower Drain Body	0232004
21	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
22	Cable Support Brkt (Std, Low & Ultra-High Profile)	9360196
	Cable Support Bracket (High Profile)	1780828
23	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780444
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	1780800
24	Pipe Cap	0246046
25	1/2" x 1-1/4" Cap Screw	0161027
26	1/2" Lock Nut	0133005
27	1/2" x 2" Cap Screw	0161024
28	Trapezoid Plate	9363792

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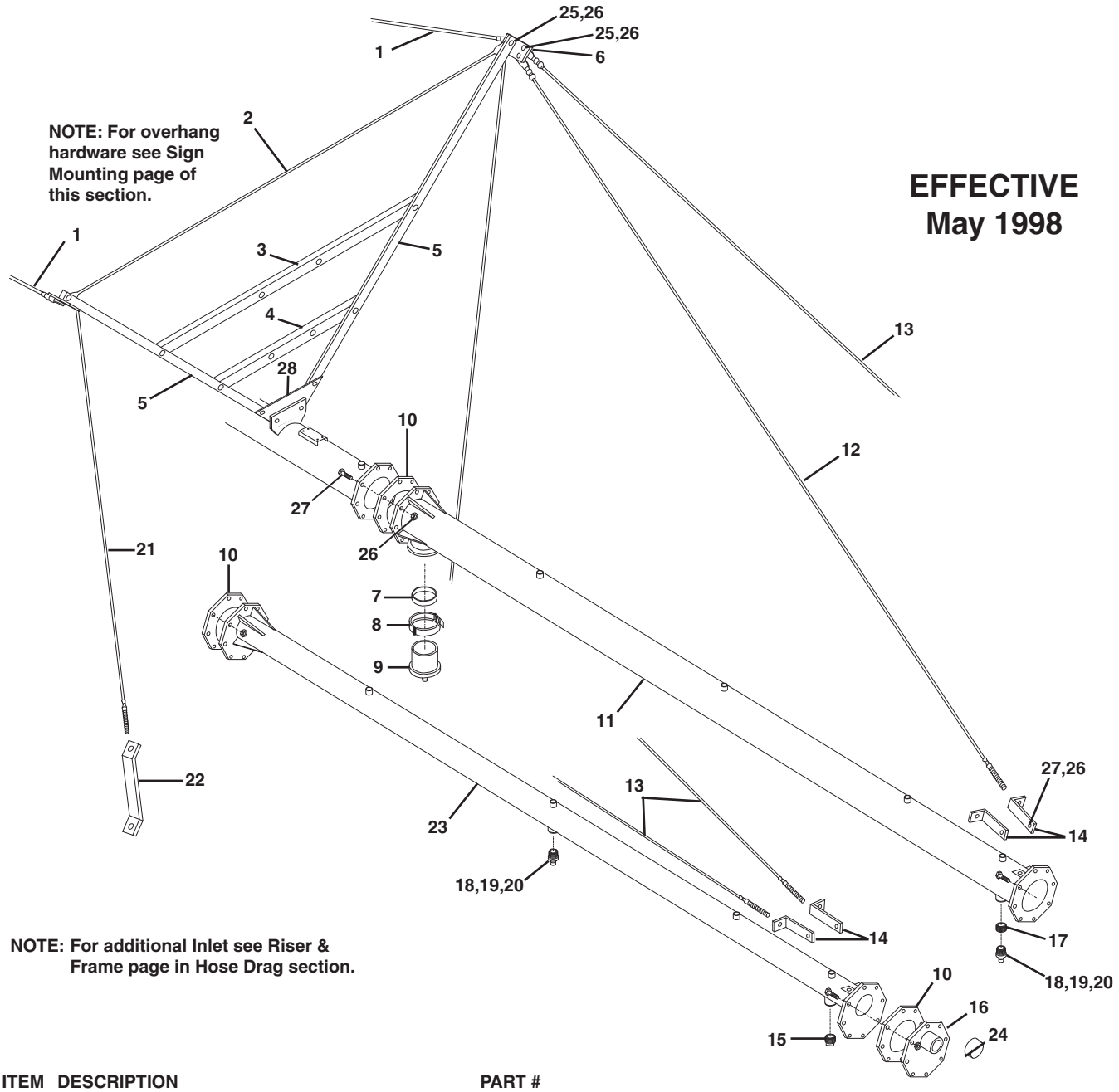


NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 9/32" Back Cables on Page 1	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361904
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361901
12	Overhang Support Inner Cable	9360034
13	Overhang Support Outer Cable	9364496
14	Cable Support Bracket	1900024
15	2" Pipe Plug	0246011
16	6-5/8" End Plate	1800036
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170
19	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
20	Lower Drain Body	0232004
21	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
22	Cable Support Brkt (Std, Low & Ultra High Prof)	9360196
	Cable Support Bracket (High Profile)	1780828
23	18'[5.49m]-4" Dia. O.H. Pipe 108"[274.3cm] Sp.	9360647
	18'[5.49m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360641
24	Pipe Cap	0246046
25	1/2" Lock Nut	0133005
26	1/2" x 2" Cap Screw	0161024
27	5/8" x 2" Cap Screw	0161014
28	5/8" Lock Nut	0133010
29	3/4" x 1-3/4" Cap Screw	0161139
30	3/4" Lock Nut	0133011
31	Trapezoid Plate	9363792

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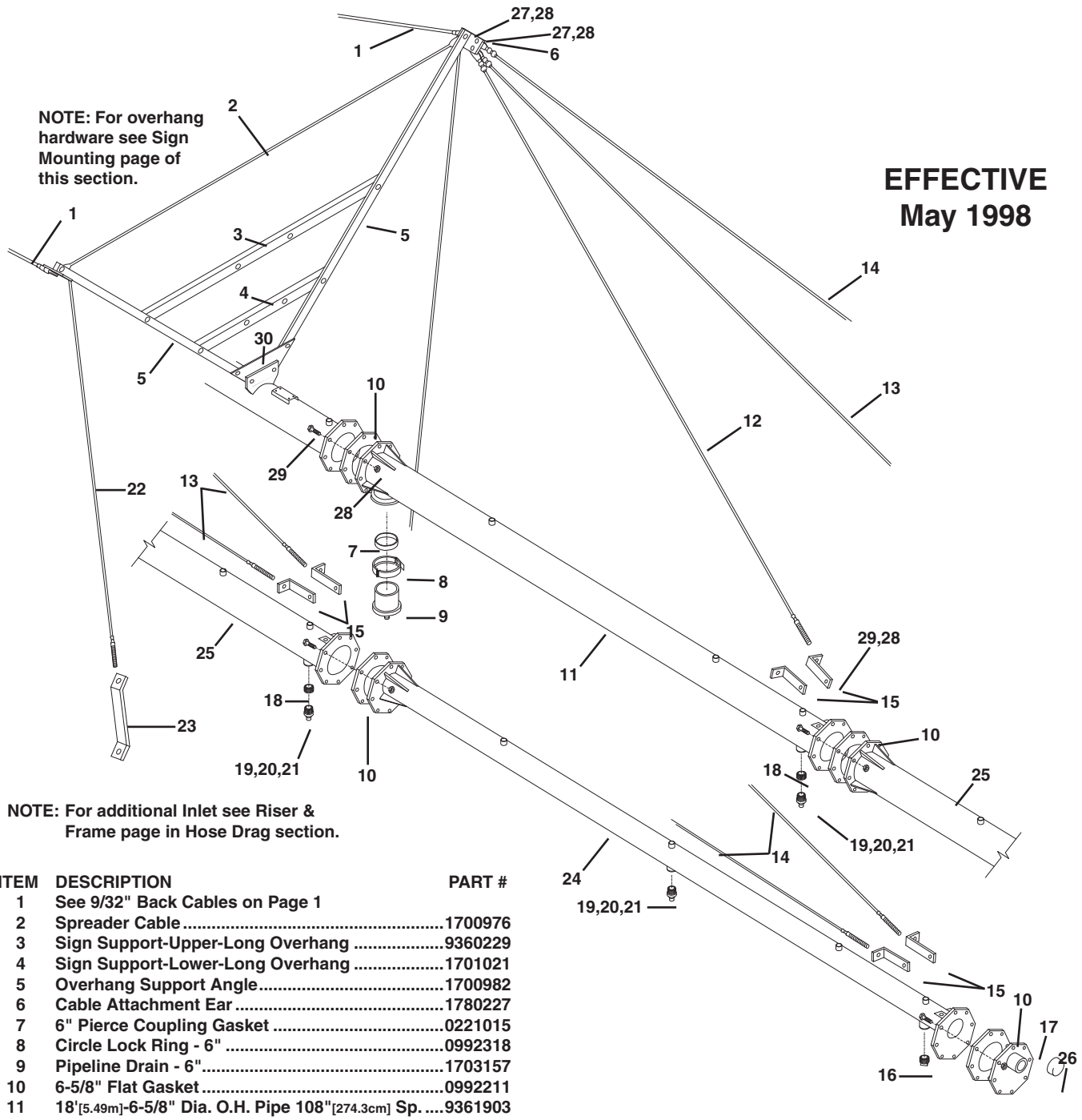


NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 9/32" Back Cables on Page 1	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361904
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361901
12	Overhang Support Inner Cable	9360034
13	Overhang Support Outer Cable	1780203
14	Cable Support Bracket	1900024
15	2" Pipe Plug	0246011
16	6-5/8" End Plate	1800036

ITEM	DESCRIPTION	PART #
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
22	Cable Support Brkt (Std, Low & Ultra High Prof)	9360196
	Cable Support Bracket (High Profile)	1780828
23	27'[8.23m]-4" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780446
	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
24	Pipe Cap	0246046
25	1/2" x 1-1/4" Cap Screw	0161027
26	1/2" Lock Nut	0133005
27	1/2" x 2" Lock Nut	0161024
28	Trapezoid Plate	9363792

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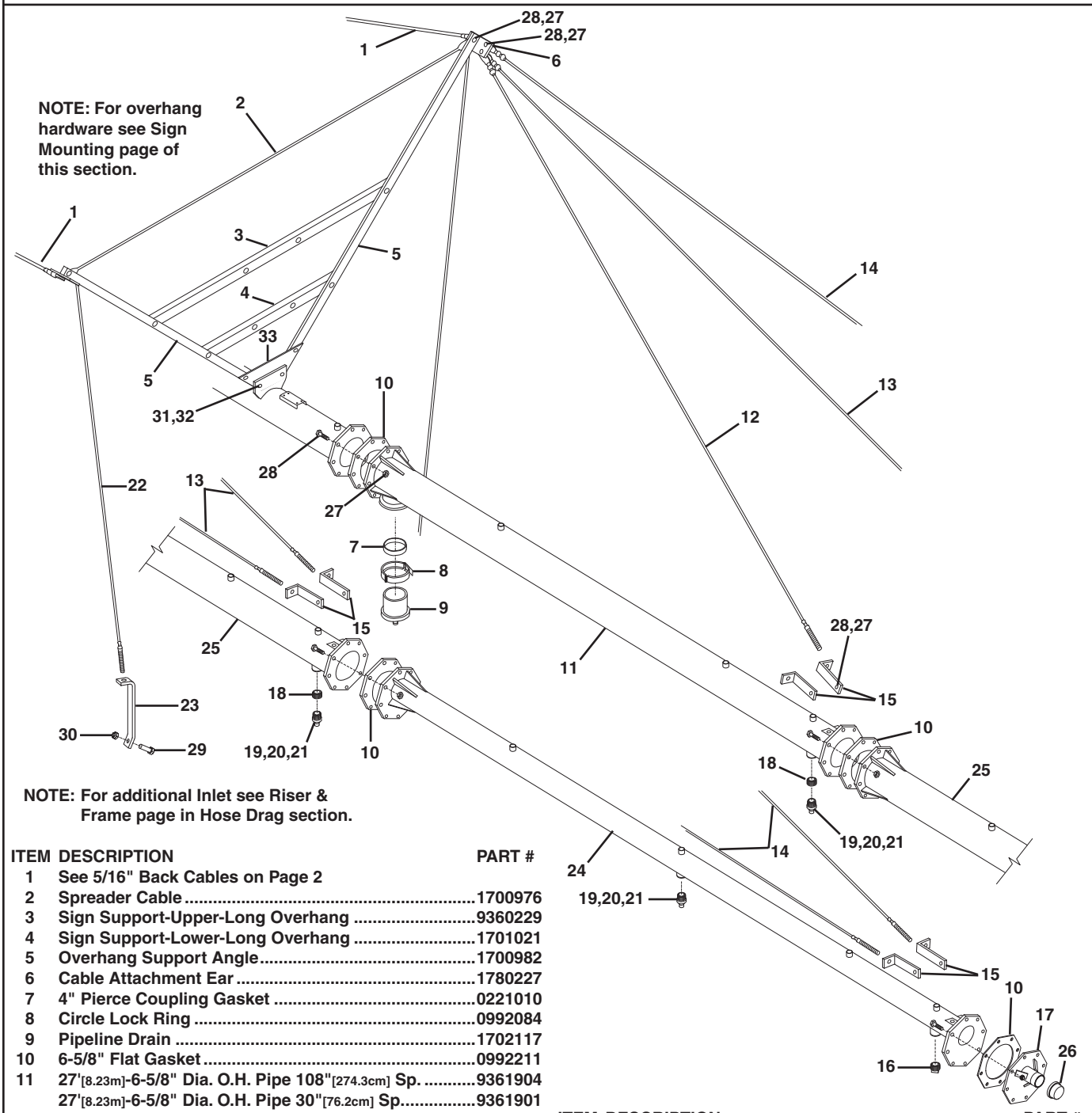


NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 9/32" Back Cables on Page 1	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	Circle Lock Ring - 6"	0992318
9	Pipeline Drain - 6"	1703157
10	6-5/8" Flat Gasket	0992211
11	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361903
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361900
12	Inner Cable	9360035
13	Middle Cable	9360036
14	Outer Cable	1780204
15	Cable Support Bracket	1900024
16	2" Pipe Plug	0246011
17	6-5/8" End Plate	1800036
18	2" x 1" Bushing	0244028
19	Upper Drain Body	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195

ITEM	DESCRIPTION	PART #
23	Cable Support Brkt (Std, Low & U.H. Profile)	9360196
	Cable Support Bracket (High Profile)	1780828
24	27'[8.23m]-4" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780446
	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
25	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780444
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	1780800
26	Pipe Cap	0246046
27	1/2" x 1-1/4" Cap Screw	0161027
28	1/2" Lock Nut	0133005
29	1/2" x 2" Cap Screw	0161024
30	Trapezoid Plate	9363792

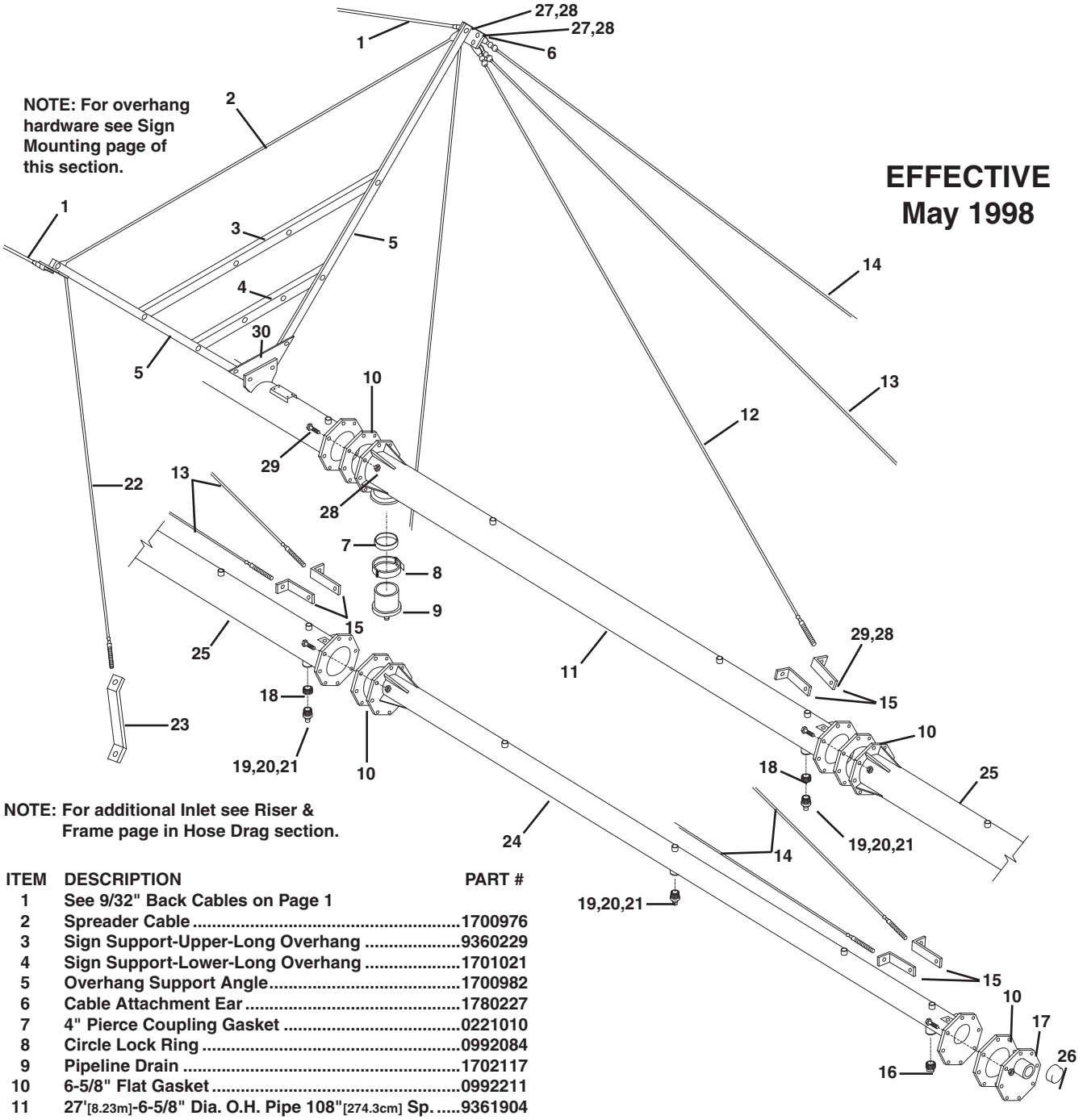
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NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 5/16" Back Cables on Page 2	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361904
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361901
12	Overhang Support Inner Cable	9360034
13	Overhang Support Middle Cable	9364496
14	Overhang Support Outer Cable	9360955
15	Cable Support Bracket	1900024
16	2" Pipe Plug	0246011
17	6-5/8" End Plate	1800036
18	2" x 1" Bushing	0244028
19	Upper Drain Body	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
23	Cable Support Brkt (Std, Low & Ultra-High Prof)	9360196
	Cable Support Bracket (High Profile)	1780828
24	27'[8.23m]-4" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780446
	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
25	18'[5.49m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780444
	18'[5.49m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	1780800
26	Pipe Cap	0246046
27	1/2" Lock Nut	0133005
28	1/2" x 2" Cap Screw	0161024
29	5/8" x 2" Cap Screw	0161014
30	5/8" Lock Nut	0133010
31	3/4" x 1-3/4" Cap Screw	0161139
32	3/4" Lock Nut	0133011
33	Trapezoid Plate	9363792

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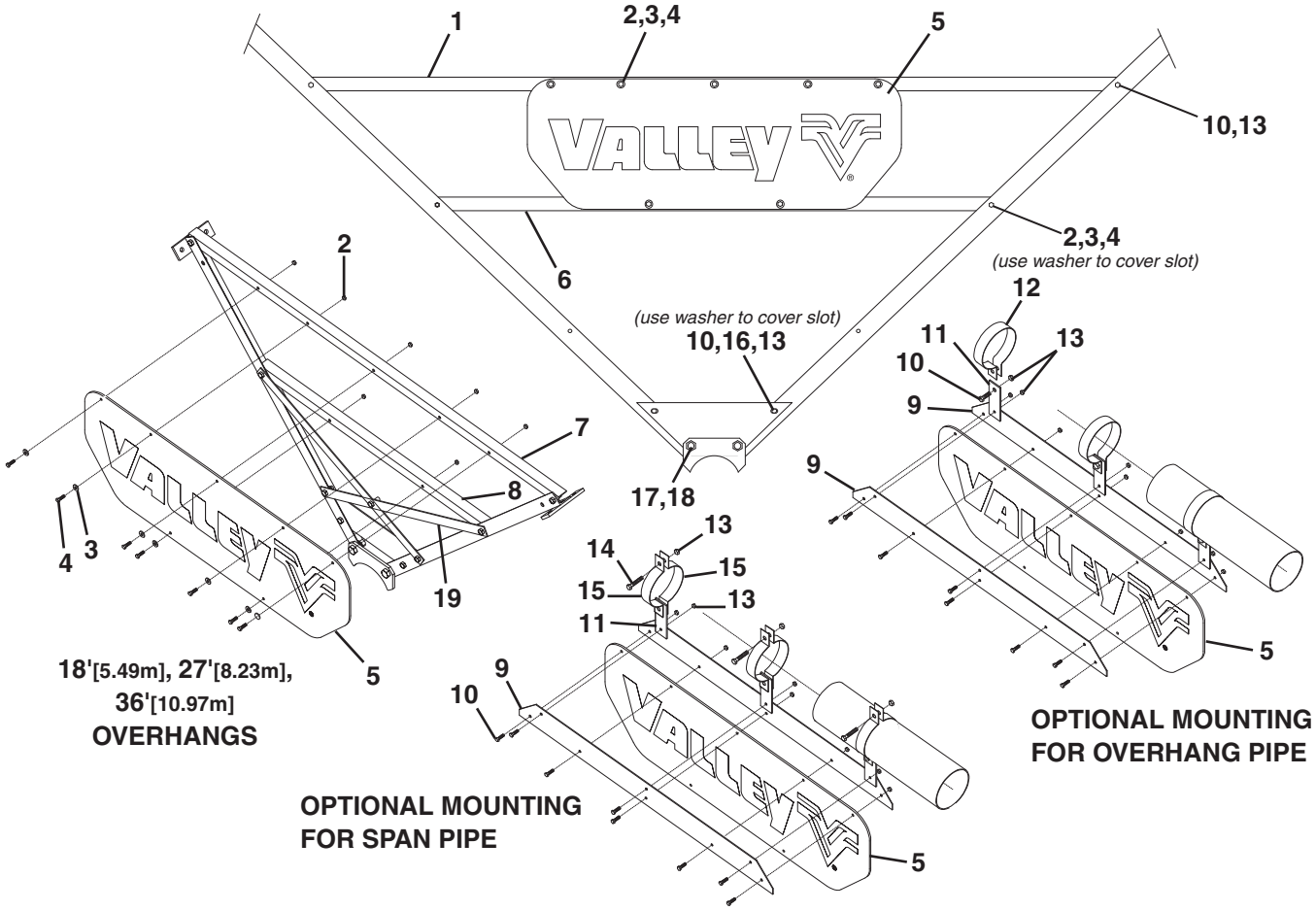
NOTE: For additional Inlet see Riser & Frame page in Hose Drag section.

ITEM	DESCRIPTION	PART #
1	See 9/32" Back Cables on Page 1	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9361904
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9361901
12	Overhang Support Inner Cable	9360034
13	Overhang Support Middle Cable	1780203
14	Overhang Support Outer Cable	1780205
15	Cable Support Bracket	1900024
16	2" Pipe Plug	0246011
17	6-5/8" End Plate	1800036
18	2" x 1" Bushing	0244028
19	Upper Drain Body	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	Support Cable (Std. & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195

ITEM	DESCRIPTION	PART #
23	Cable Support Brkt (Std, Low & Ultra-High Prof)	9360196
	Cable Support Bracket (High Profile)	1780828
24	27'[8.23m]-4" Dia. O.H. Pipe 108"[274.3cm] Sp.	1780446
	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
25	27'[8.23m]-6-5/8" Dia. O.H. Pipe 108"[274.3cm] Sp.	9360670
	27'[8.23m]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360642
26	Pipe Cap	0246046
27	1/2" x 1-1/4" Cap Screw	0161027
28	1/2" Lock Nut	0133005
29	1/2" x 2" Lock Nut	0161024
30	Trapezoid Plate	9363792

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36'[10.97m] HEAVY DUTY,
54'[16.46m], 64'[19.51m],
82'[24.99m]
OVERHANGS



18'[5.49m], 27'[8.23m],
36'[10.97m]
OVERHANGS

OPTIONAL MOUNTING
FOR SPAN PIPE

OPTIONAL MOUNTING
FOR OVERHANG PIPE

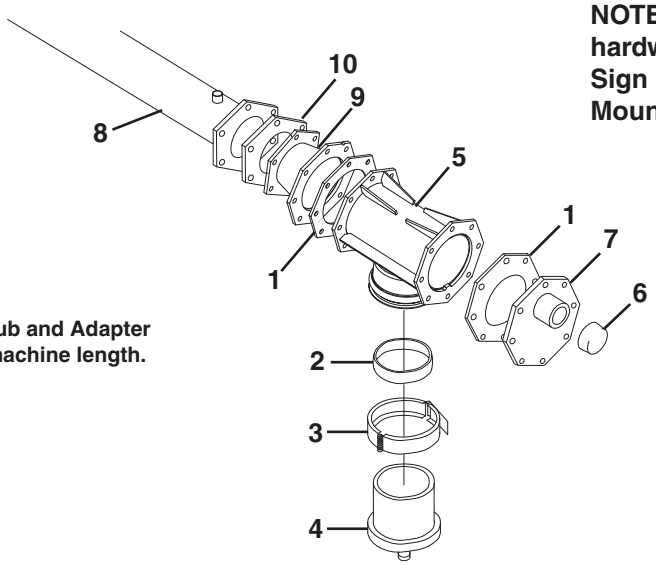
ITEM	DESCRIPTION	PART #
1	Sign Support-Upper-Long Overhang	9360229
2	5/16" Lock Nut	0133007
3	5/16" Flat Washer	0142017
4	5/16" x 1" Cap Screw	0161052
5	Valley Sign	0994656
	Valley Sign - 8000 series - DISCONTINUED Jun 18	0997285
6	Sign Support-Lower-Long Overhang	1701021
7	Sign Support-Upper	9360228
8	Sign Support-Lower	9360227
9	Sign Reinforcing Strap	9360226
10	1/2" x 1-1/4" Cap Screw	0161027
11	Rubber Sign Hanger-5 Ply	0994657
*12	Sign Support Band	9360230
13	1/2" Lock Nut	0133005
14	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
15	6-5/8" Half Clamp	1720290
	8-5/8" Half Clamp	9330002
	10" Half Clamp	1702524
16	1/2" Flat Washer	0142025
17	3/4" x 1-3/4" Cap Screw	0161139
18	3/4" Lock Nut	0133011
19	Brace Strap	9361716

***Shipped as a straight strip that must be formed around the pipeline.**

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EFFECTIVE
May 2002

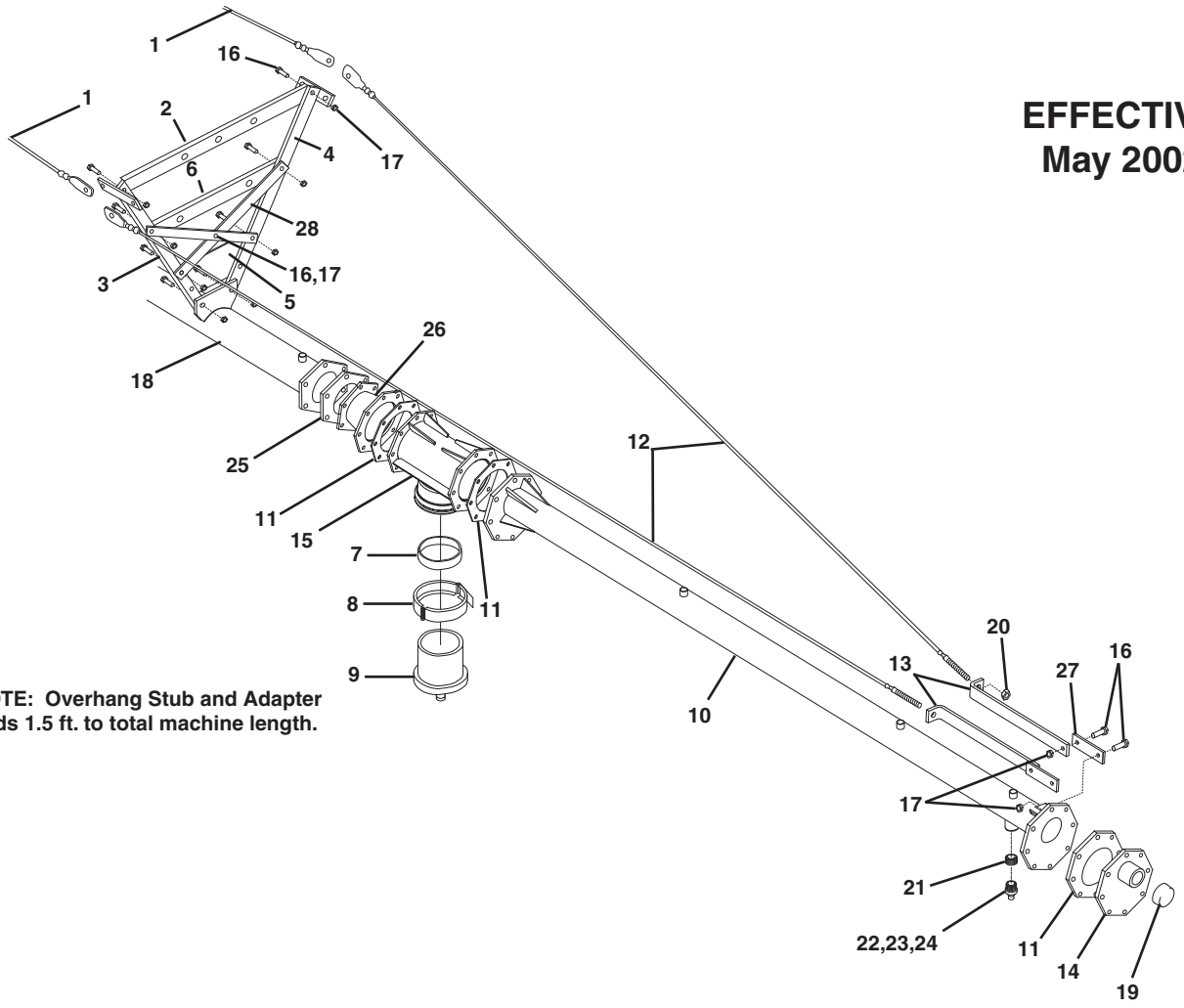
NOTE: No Overhang includes hardware for mounting Valley Sign on 5" Span Pipe. See Sign Mounting page this section.



NOTE: Overhang Stub and Adapter adds 1.5 ft. to total machine length.

ITEM	DESCRIPTION	PART #
1	6-5/8" Flat Gasket	0992211
2	6" Pierce Gasket	0221015
3	6" Circle Lock Ring	0992318
4	6" Pipeline Drain	1703157
5	6-5/8" Overhang Pipe Stub	9361817
6	Pipe Cap	0246046
7	6-5/8" End Plate	1800036
8	Last Pipe Stub, 5"	9360919
9	Reducer - 6-5/8" to 5"	9361889
10	5" Flat Gasket	0996069

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EFFECTIVE
May 2002

NOTE: Overhang Stub and Adapter adds 1.5 ft. to total machine length.

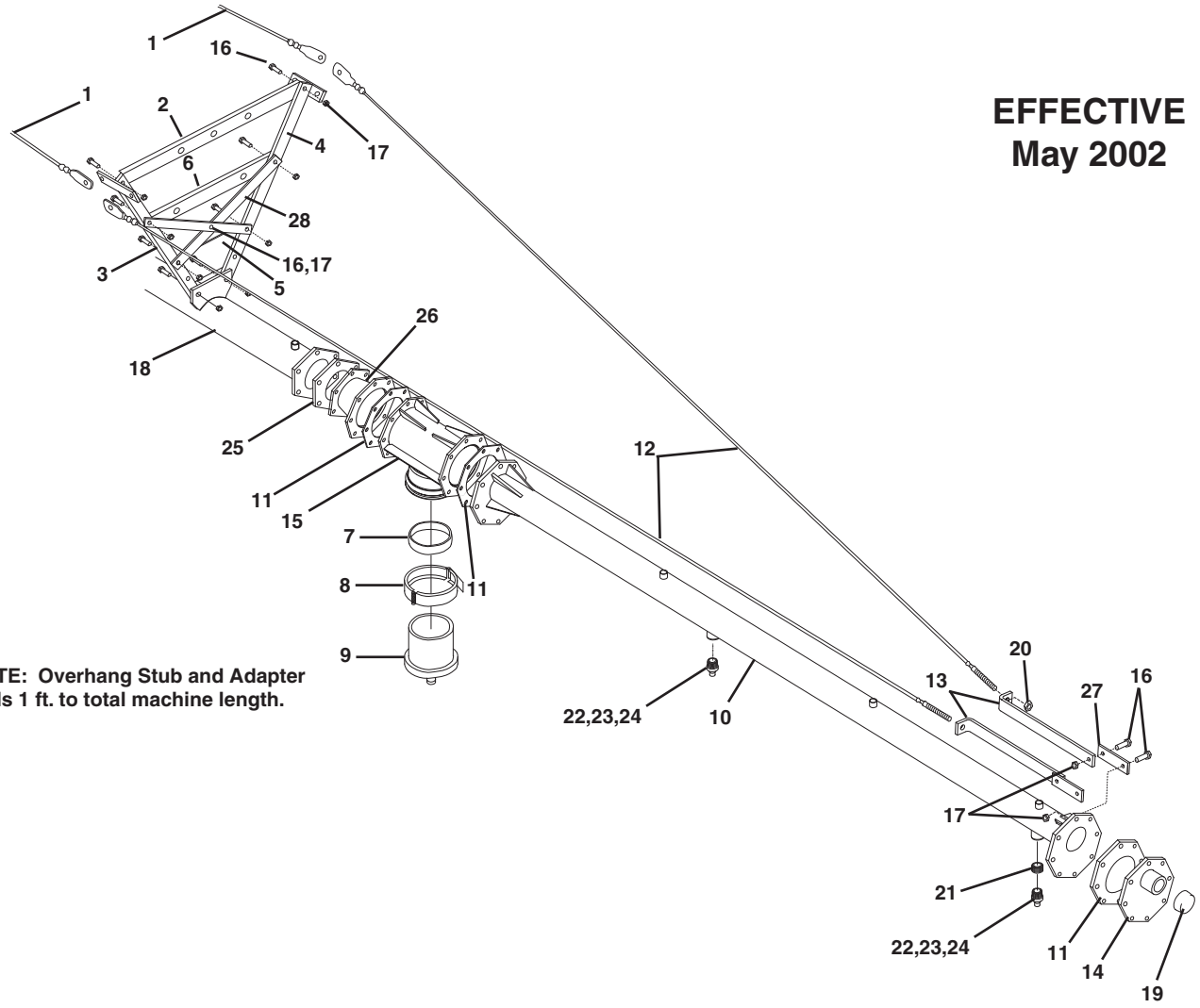
ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg 1)	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	6" Pierce Coupling Gasket	0221015
8	6" Circle Lock Ring	0992318
9	6" Pipeline Drain	1703157
10	18'[5.49m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360641
11	6-5/8" Rubber Gasket	0992211
12	Overhang Support Cable	1780200
13	Cable Support Bracket	9360930
14	6-5/8" End Plate	1800036
15	6-5/8" Overhang Stub Pipe	9361817

ITEM	DESCRIPTION	PART #
16	1/2" x 1-1/4" Cap Screw	0161027
17	1/2" Lock Nut	0133005
18	Last Pipe	9360919
19	Pipe Cap	0246046
20	3/4" Nut	0131008
21	2" x 1" Bushing	0244028
22	Upper Drain Body	0246170
23	Drain Seal	0232568
24	Lower Drain Body	0232004
25	5" Flat Gasket	0996069
26	Reducer - 6-5/8" to 5"	9361889
27	Cable Extension Bracket	1732700
28	Brace Strap	9361716*

*COMPLETE Overhang Truss Kit KA01187

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May 2002



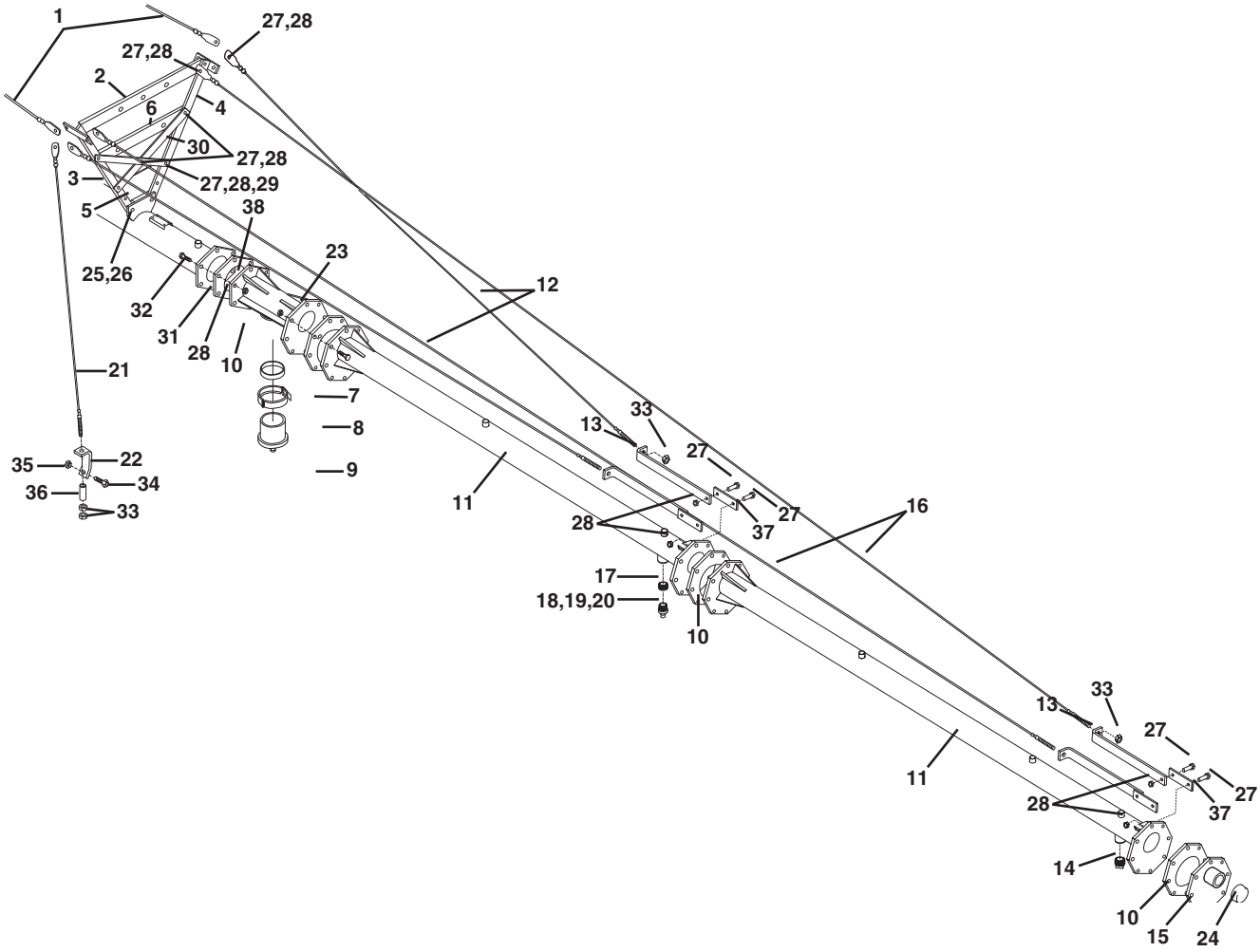
NOTE: Overhang Stub and Adapter adds 1 ft. to total machine length.

ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg 1)	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	6" Pierce Coupling Gasket	0221015
8	6" Circle Lock Ring	0992318
9	6" Pipeline Drain	1703157
10	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
11	6-5/8" Rubber Gasket	0992211
12	Overhang Support Cable	1780201
13	Cable Support Bracket	9360930
14	6-5/8" End Plate	1800036
15	6-5/8" Overhang Stub Pipe	9361817

ITEM	DESCRIPTION	PART #
16	1/2" x 1-1/4" Cap Screw	0161027
17	1/2" Lock Nut	0133005
18	Last Pipe	9360919
19	Pipe Cap	0246046
20	3/4" Nut	0131008
21	2" x 1" Bushing	0244028
22	Upper Drain Body	0246170
23	Drain Seal	0232568
24	Lower Drain Body	0232004
25	5" Flat Gasket	0996069
26	Reducer - 6-5/8" to 5"	9361889
27	Cable Extension Bracket	1732700
28	Brace Strap	9361716*

*COMPLETE Overhang Truss Kit KA01187

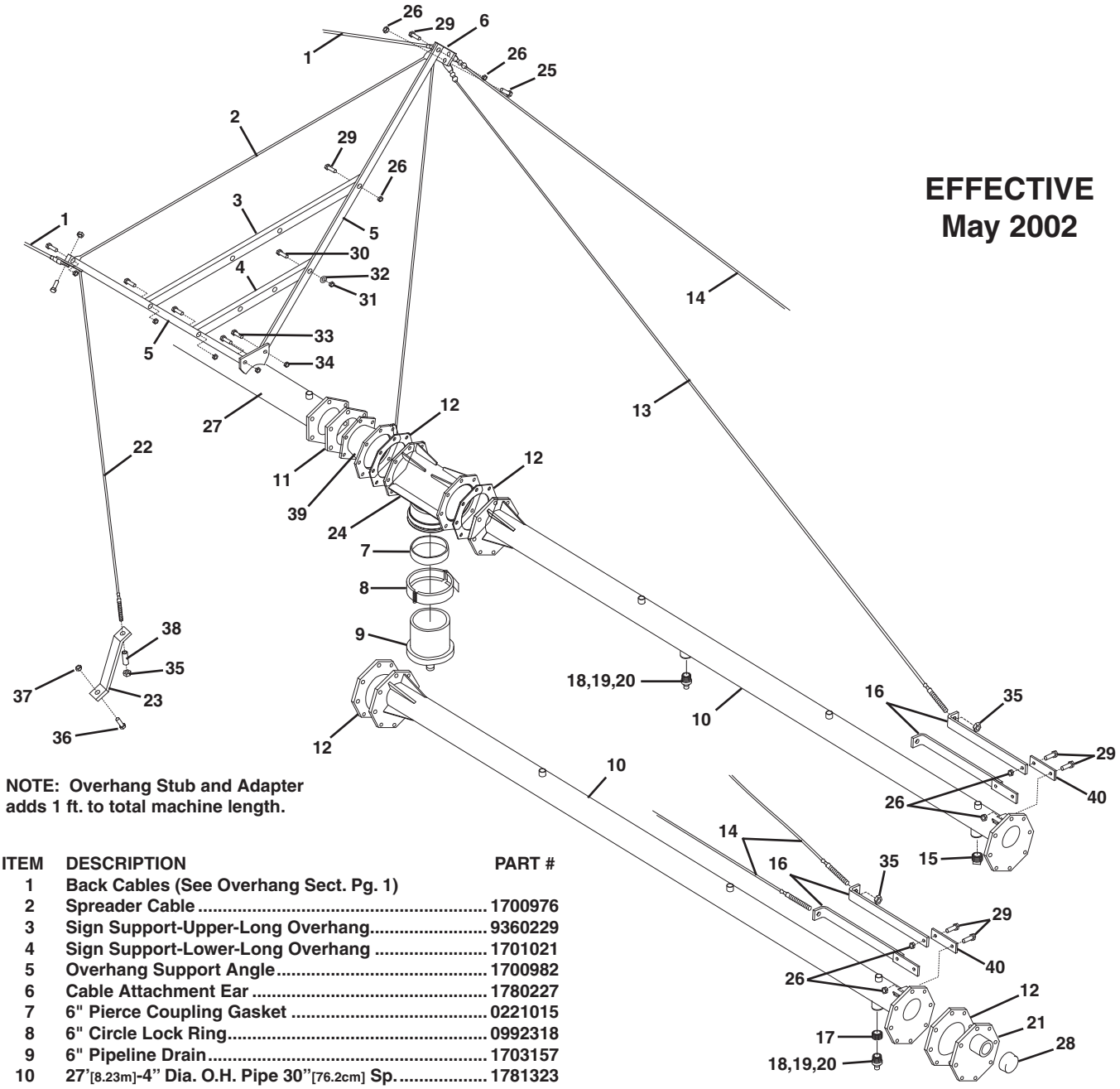
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ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	6" Pierce Gasket	0221015
8	6" Ring Lock Clamp	0992318
9	6" Pipeline Drain Assm.	1703157
10	6-5/8" Flat Gasket	0992211
11	18'[5.49m]-6-58" Dia. O.H. Pipe 30"[76.2cm] Spac.	9360641
12	Overhang Support Inner Cable	1780200
13	Cable Support Bracket	9360930
14	2" Pipe Plug	0246011
15	6-5/8" End Plate	1800036
16	Overhang Support Outer Cable	1780202
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	Down Cable - Low Profile	9360202
	- Standard Profile	9363790
	- High & Ultra High Profile	9360033

ITEM	DESCRIPTION	PART #
22	Cable Support Bracket - Low Profile	9360851
	- Std., High & U.H. Prof.	9360196
23	6-5/8" Overhang Stub Pipe w/6" Inlet	9361817
24	Pipe Cap	0246046
25	3/4" x 1-3/4" Cap Screw	0161139
26	3/4" Lock Nut	0133011
27	1/2" x 1-1/4" Cap Screw	0161027
28	1/2" Lock Nut	0133005
29	1/2" Flat Washer	0142025
30	Brace Strap	9361716*
31	5" Urethane Gasket	0996071
32	1/2" x 2" Cap Screw	0161024
33	3/4" Hex Nut	0131008
34	5/8" x 2" Cap Screw	0161014
35	5/8" Lock Nut	0133010
36	Spacer	9360300
37	Cable Extension Bracket	1732700
38	Reducer - 6-5/8" to 5"	9361889
	*COMPLETE O/H Truss Kit	KA01187

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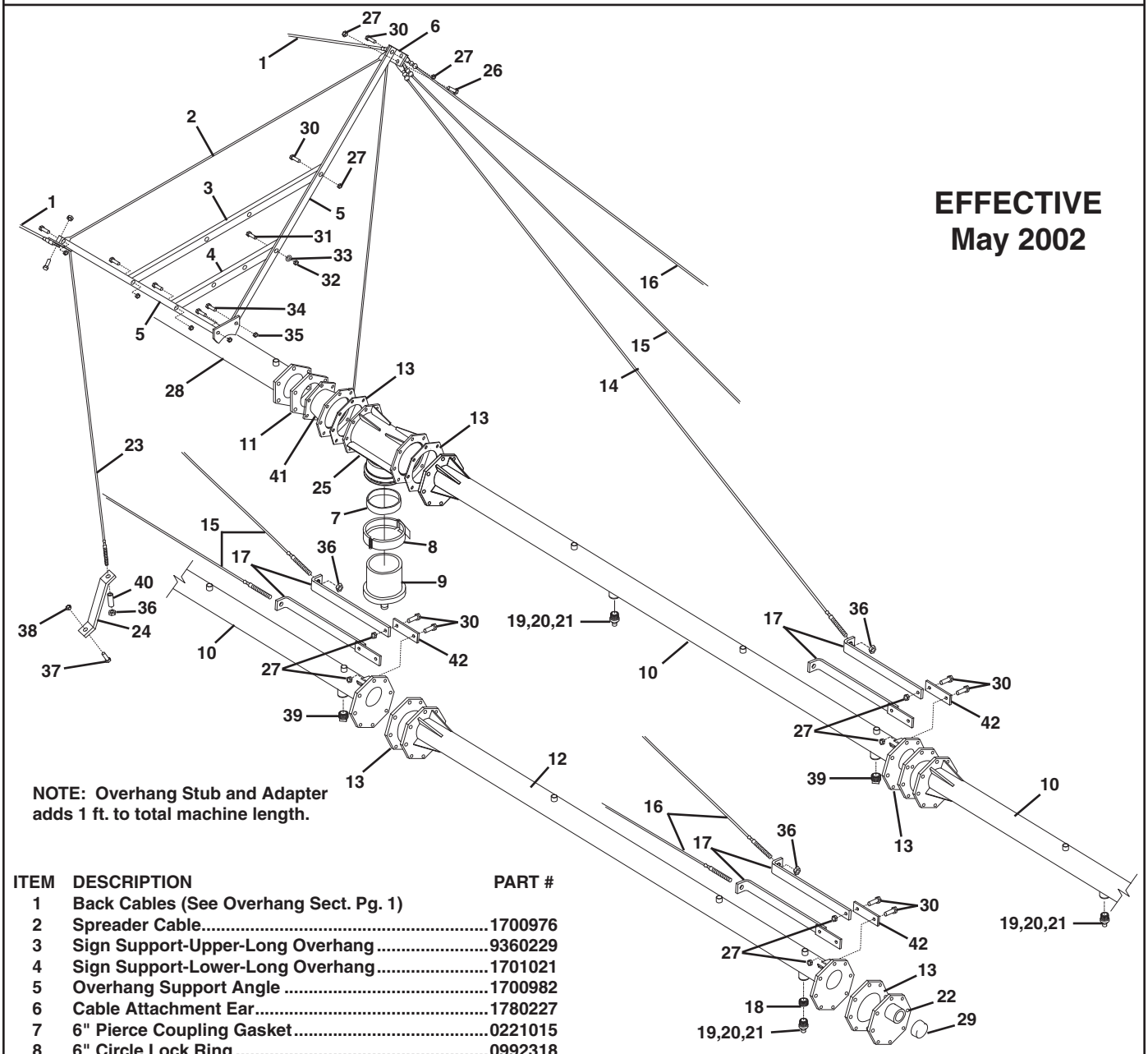
EFFECTIVE
May 2002

NOTE: Overhang Stub and Adapter adds 1 ft. to total machine length.

ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	6" Circle Lock Ring	0992318
9	6" Pipeline Drain	1703157
10	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
11	5" Flat Gasket	0996069
12	6-5/8" Rubber Gasket	0992211
13	Overhang Support Inner Cable	9360034
14	Overhang Support Middle Cable	1780203
15	2" Pipe Plug	0246011
16	Cable Support Bracket	9360930
17	2" x 1" Bushing	0244028
18	Upper Drain Body	0246170
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	6-5/8" End Plate	1800036
22	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
23	Cable Support Bracket (Std & Low Profile)	1700975
24	6-5/8" Overhang Stub Pipe	9361817
25	1/2" x 2" Cap Screw	0161024
26	1/2" Lock Nut	0133005

ITEM	DESCRIPTION	PART #
27	Last Pipe	9360919
28	Pipe Cap	0246046
29	1/2" x 1-1/4" Cap Screw	0161027
30	5/16" x 1" Cap Screw	0161052
31	5/16" Lock Nut	0133007
32	5/16" Flat Washer	0142017
33	3/4" x 1-3/4" Cap Screw	0161139
34	3/4" Lock Nut	0133011
35	3/4" Hex Nut	0131008
36	5/8" x 2" Cap Screw	0161014
37	5/8" Lock Nut	0133010
38	Guide Spacer	9360300
39	Reducer - 6-5/8" to 5"	9361889
40	Cable Extension Bracket	1732700

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ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	6" Pierce Coupling Gasket	0221015
8	6" Circle Lock Ring	0992318
9	6" Pipeline Drain	1703157
10	27'[8.23m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
11	5" Flat Gasket	0996069
12	18'[5.49m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360641
13	6-5/8" Rubber Gasket	0992211
14	Overhang Support Inner Cable	9360034
15	Overhang Support Middle Cable	1780203
16	Overhang Support Outer Cable	9360955
17	Cable Support Bracket	9360930
18	2" x 1" Bushing	0244028
19	Upper Drain Body	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	6-5/8" End Plate	1800036
23	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
24	Cable Support Bracket (Std & Low Profile)	1700975
25	6-5/8" Overhang Stub Pipe	9361817

ITEM	DESCRIPTION	PART #
26	1/2" x 2" Cap Screw	0161024
27	1/2" Lock Nut	0133005
28	Last Pipe	9360919
29	Pipe Cap	0246046
30	1/2" x 1-1/4" Cap Screw	0161027
31	5/16" x 1" Cap Screw	0161052
32	5/16" Lock Nut	0133007
33	5/16" Flat Washer	0142017
34	3/4" x 1-3/4" Cap Screw	0161139
35	3/4" Lock Nut	0133011
36	3/4" Hex Nut	0131008
37	5/8" x 2" Cap Screw	0161014
38	5/8" Lock Nut	0133010
39	2" Pipe Plug	0246011
40	Guide Spacer	9360300
41	Reducer - 6-5/8" to 5"	9361889
42	Cable Extension Bracket	1732700

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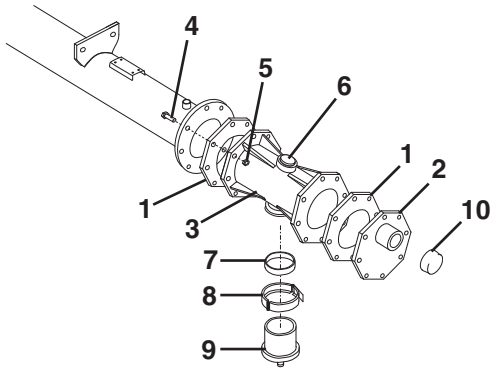
PolySpan® - OVERHANGS

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
No Overhang	01-10	13-3
10.1'[3.08m] Overhang	07-17	13-4
19.2'[5.85m] Overhang	07-17	13-5
28.5'[8.69m] Overhang	07-17	13-6
37.6'[11.46m] Overhang	02-13	13-7
46.6'[14.20m] Lined Overhang	03-17	13-8
Blank Page	03-17	13-9
55.9'[17.04m] Unlined Overhang - EFFECTIVE Mar 06 - Jan 17	03-17	13-10
55.9'[17.04m] Lined Overhang - EFFECTIVE Feb 17	03-17	13-11
64.7'[19.72m] Unlined Overhang - EFFECTIVE Mar 06 - Jan 17	03-17	13-12
64.7'[19.72m] Lined Overhang - EFFECTIVE Feb 17	03-17	13-13
74.0'[22.55m] Lined Overhang - PRIOR TO Feb 17	03-17	13-14
74.0'[22.55m] Lined Overhang - EFFECTIVE Feb 17	03-17	13-15
83.3'[25.39m] Unlined Overhang - EFFECTIVE Mar 06 - Jan 17	03-17	13-16
83.3'[25.39m] Lined Overhang - EFFECTIVE Feb 17	03-17	13-17
Sign Mounting	07-18	13-18

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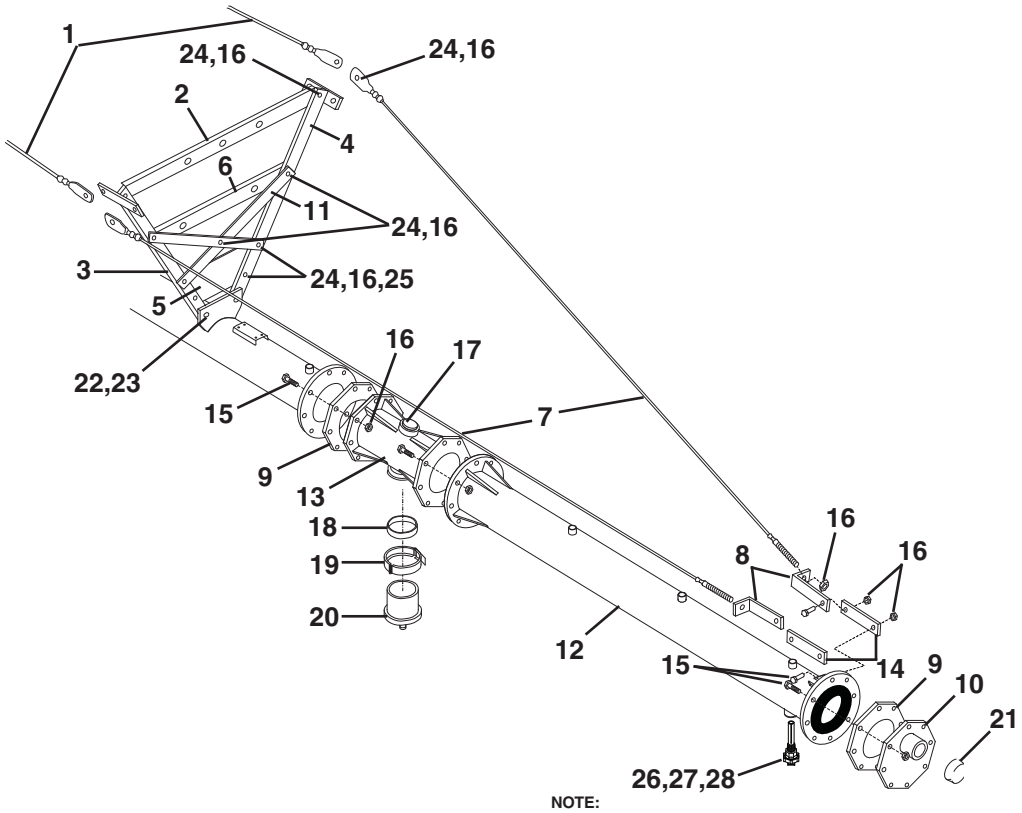
EFFECTIVE
October 2001



ITEM	DESCRIPTION	PART #
1	6-5/8" Flat Gasket	0992211
2	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
3	Spacer, Stainless Steel, w/4° Tip	9360464
4	1/2" x 2" Cap Screw	0161024
5	1/2" Lock Nut	0133005
6	2-1/2" Pipe Plug - Galvanized	0246184
7	4" Pierce Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	Pipe Cap	0246046

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EFFECTIVE
March 2006



NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

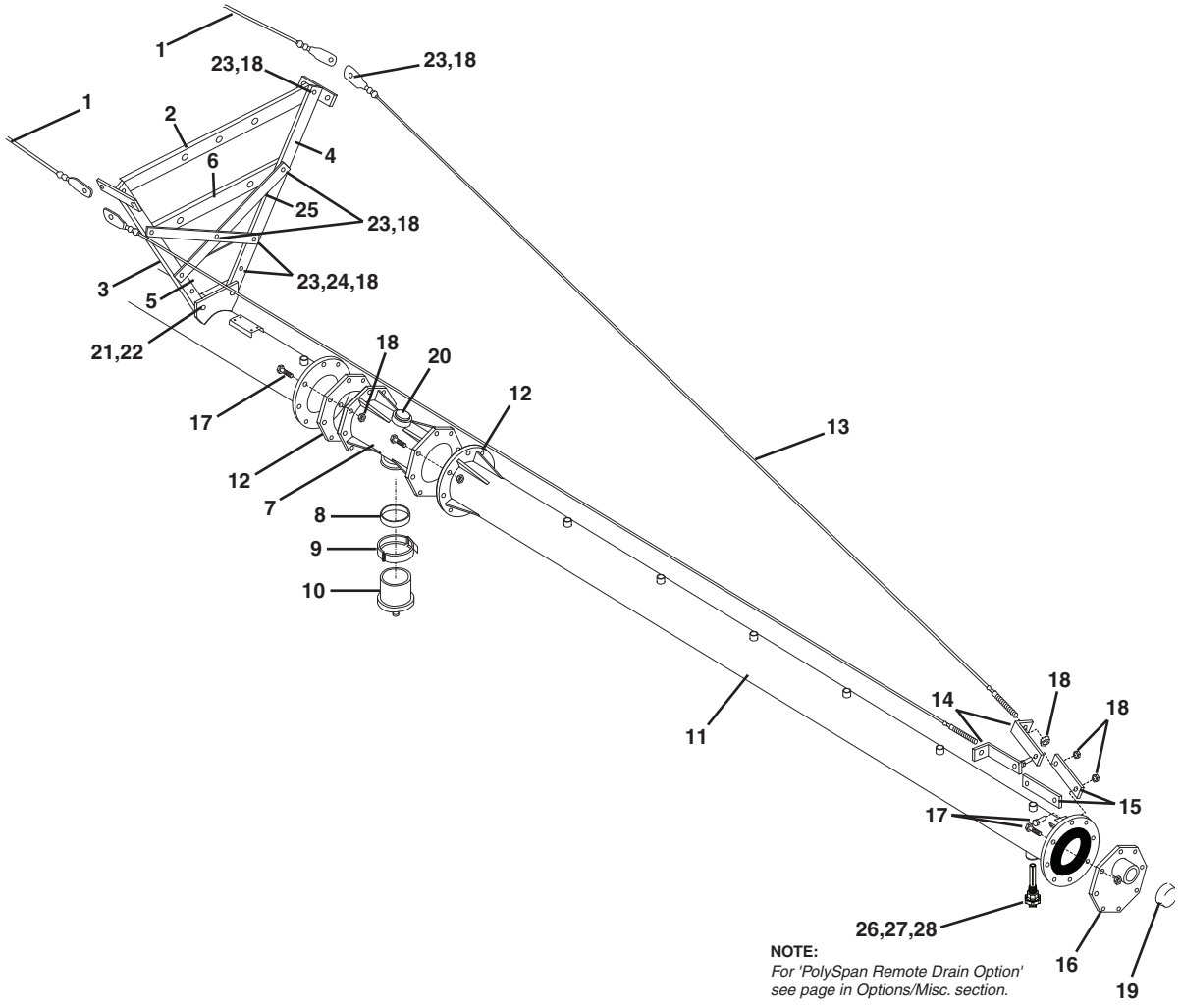
ITEM	DESCRIPTION	PART #
1	See Back Cables on Page 1	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	Overhang Support Cable	9360316
8	Cable Support Bracket	1900024
9	6-5/8" Flat Gasket	0992211
10	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
11	Brace Strap	9361716*
12	9'[2.74cm]-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Spacing	9362691
13	Spacer, Stainless Steel, w/4° Tip	9360464
14	Overhang Cable Extension Brkt.	9360499

ITEM	DESCRIPTION	PART #
15	1/2" x 2" Cap Screw	0161024
16	1/2" Lock Nut	0133005
17	2-1/2" Pipe Plug - Galvanized	0246184
18	4" Pierce Gasket	0221010
19	Circle Lock Ring	0992084
20	Pipeline Drain	1702117
21	Pipe Cap	0246046
22	3/4" x 1-3/4" Cap Screw	0161139
23	3/4" Lock Nut	0133011
24	1/2 X 1-1/4" Cap Screw	0161027
25	1/2" Flat Washer	0142025
26	3/4" Upper Drain Body	0246227
27	Drain Seal	0232568
28	Lower Drain Body	0232004

* COMPLETE Overhang Truss Kit KA01187

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EFFECTIVE
March 2006



NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

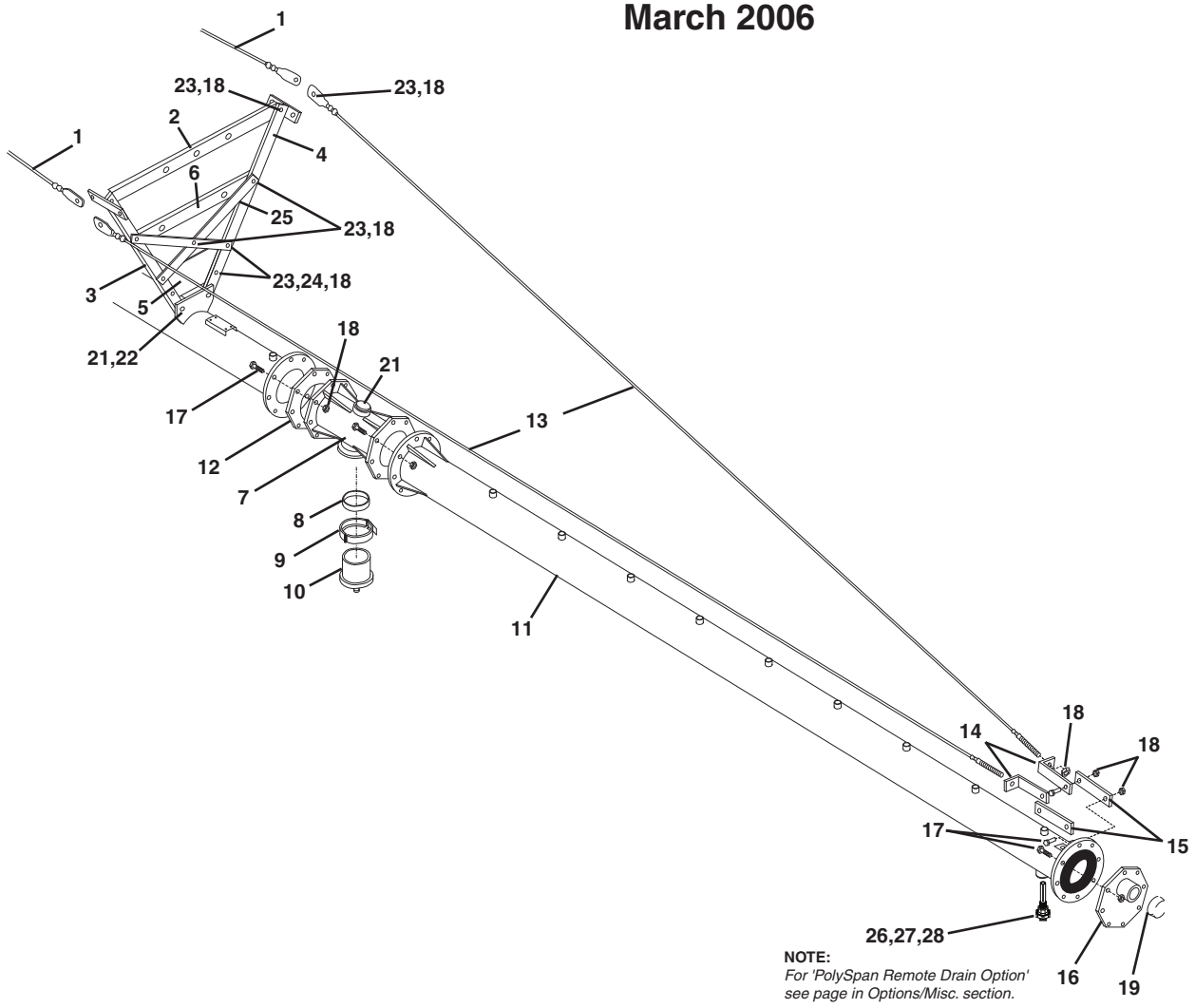
ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg 1)	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	Spacer, Stainless Steel, w/4° Tip	9360464
8	4" Pierce Coupling Gasket	0221010
9	Circle Lock Ring	0992084
10	Pipeline Drain	1702117
11	18'[5.49m] 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362693
12	6-5/8" Rubber Gasket	0992211
13	Overhang Support Cable	1780200
14	Cable Support Bracket	1900024
15	Overhang Cable Extension Bracket	9360499
16	6-5/8" End Plate - Galvanized	1800036

ITEM	DESCRIPTION	PART #
17	1/2" x 2" Cap Screw	0161024
18	1/2" Lock Nut	0133005
19	Pipe Cap	0246046
20	2-1/2" Pipe Plug - Galvanized	0246184
21	3/4" x 1-3/4" Cap Screw	0161139
22	3/4" Lock Nut	0133011
23	1/2" x 1-1/4" Cap Screw	0161027
24	1/2" Flat Washer	0142025
25	Brace Strap	9361716*
26	3/4" Upper Drain Body	0246227
27	Drain Seal	0232568
28	Lower Drain Body	0232004

*	COMPLETE Overhang Truss Kit	KA01187

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EFFECTIVE
March 2006



NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

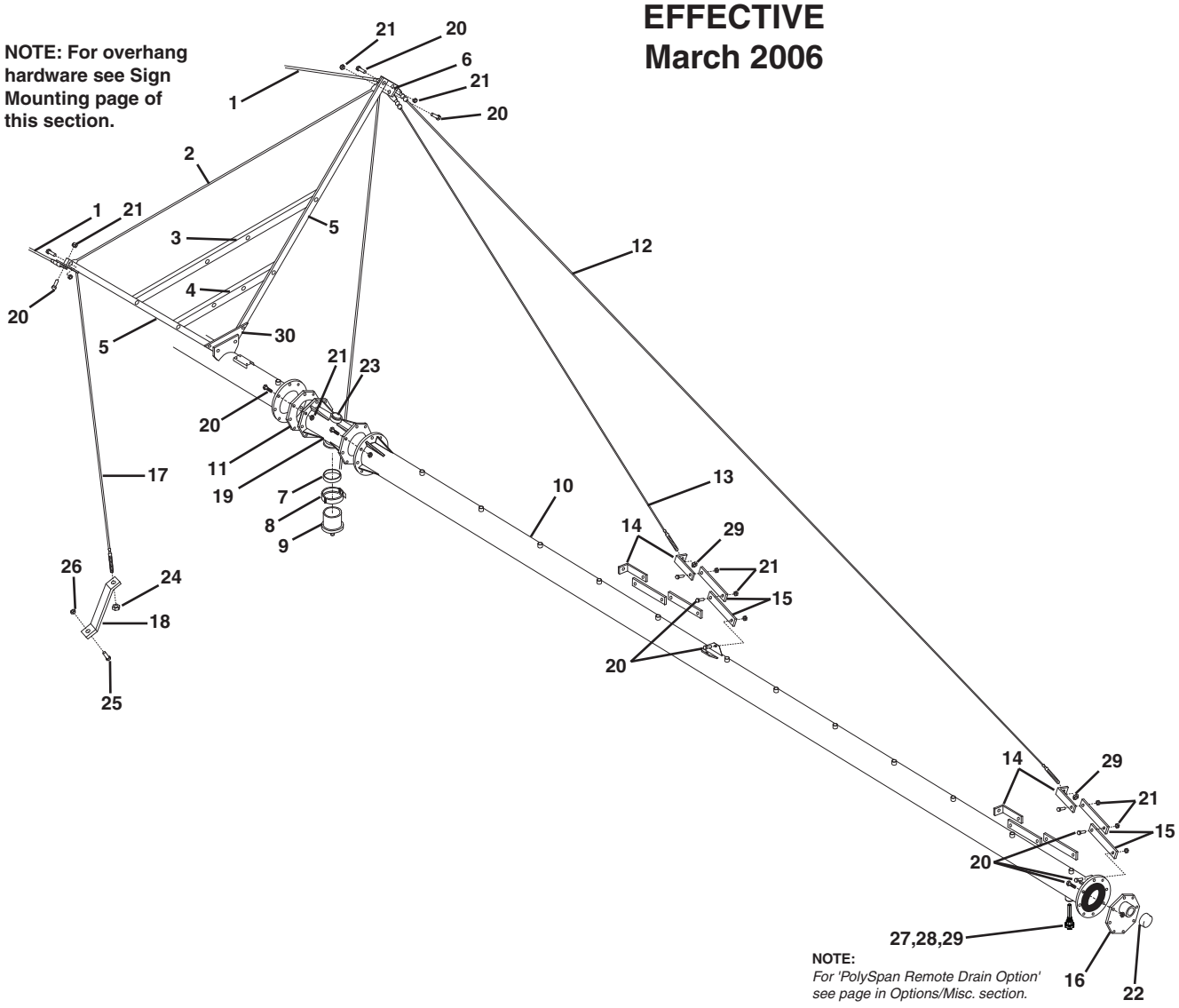
ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg 1)	
2	Sign Support-Upper	9360228*
3	L.H. Overhang Truss	9360045*
4	R.H. Overhang Truss	9360044*
5	Gusset	1701641*
6	Sign Support-Lower	9360227*
7	Spacer, Stainless Steel, w/4° Tip	9360464
8	4" Pierce Coupling Gasket	0221010
9	Circle Lock Ring	0992084
10	Pipeline Drain	1702117
11	27'[8.23m] 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
12	6-5/8" Rubber Gasket	0992211
13	Overhang Support Cable	1780201
14	Cable Support Bracket	1900024
15	Overhang Cable Extension Bracket	9360499
16	6-5/8" End Plate - Galvanized	1800036

ITEM	DESCRIPTION	PART #
	6-5/8" End Plate - Stainless Steel	9363508
17	1/2" x 2" Cap Screw	0161024
18	1/2" Lock Nut	0133005
19	Pipe Cap	0246046
20	2-1/2" Pipe Plug - Galvanized	0246184
21	3/4" x 1-3/4" Cap Screw	0161139
22	3/4" Lock Nut	0133011
23	1/2" x 1-1/4" Cap Screw	0161027
24	1/2" Flat Washer	0142025
25	Brace Strap	9361716*
26	3/4" Upper Drain Body	0246227
27	Drain Seal	0232568
28	Lower Drain Body	0232004
	* COMPLETE Overhang Truss Kit	KA01187

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EFFECTIVE
March 2006

NOTE: For overhang hardware see Sign Mounting page of this section.

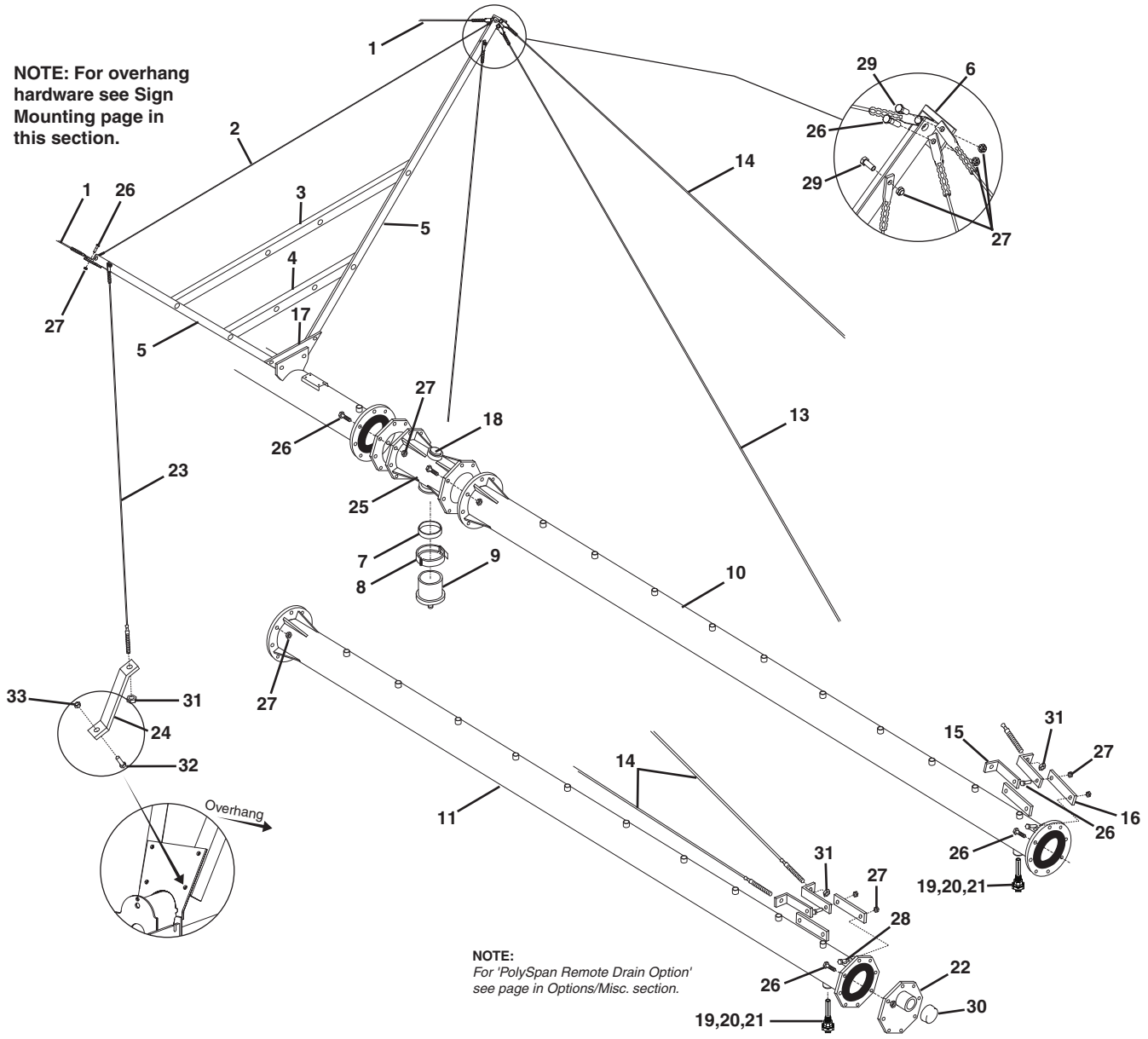


NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	36'[10.97m] 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362697
11	6-5/8" Rubber Gasket	0992211
12	Overhang Support Middle Cable	9360036
13	Overhang Support Inner Cable	9360035
14	Cable Support Bracket	1900024
15	Overhang Cable Extension Bracket	9360499
16	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508

ITEM	DESCRIPTION	PART #
17	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
18	Cable Support Bracket (Std & Low Profile)	1700975
	Cable Support Bracket (High Profile)	1780828
19	Spacer, Stainless Steel, w/4° Tip	9360464
20	1/2" x 2" Cap Screw	0161024
21	1/2" Lock Nut	0133005
22	Pipe Cap	0246046
23	2-1/2" Pipe Plug - Galvanized	0246184
24	3/4" Hex Nut	0131008
25	5/8" x 2" Cap Screw	0161014
26	5/8" Lock Nut	0133010
27	3/4" Upper Drain Body	0246227
28	Drain Seal	0232568
29	Lower Drain Body	0232004
30	Trapezoid Plate	9363792

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ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	18'[5.48m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362693
12	6-5/8" Rubber Gasket	0992211
13	Overhang Support Inner Cable	9360034
14	Overhang Support Outer Cable	9364496
15	Cable Support Bracket	1900024
16	Overhang Cable Extension Bracket	9360499
17	Trapezoid Plate	9363792
18	2-1/2" Pipe Plug - Galvanized	0246184
19	3/4" Upper Drain Body	0246227

ITEM	DESCRIPTION	PART #
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
23	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
24	Cable Support Brkt (Std, Low & Ultra-High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
25	Spacer, Stainless Steel, w/4° Tip	9360464
26	1/2" x 2" Cap Screw	0161024
27	1/2" Lock Nut	0133005
28	1/2" x 1-1/2" Cap Screw	0161026
29	1/2" x 1-1/4" Cap Screw	0161027
30	Pipe Cap	0246046
31	3/4" Hex Nut	0131008
32	5/8" x 2" Cap Screw	0161014
33	5/8" Lock Nut	0133010

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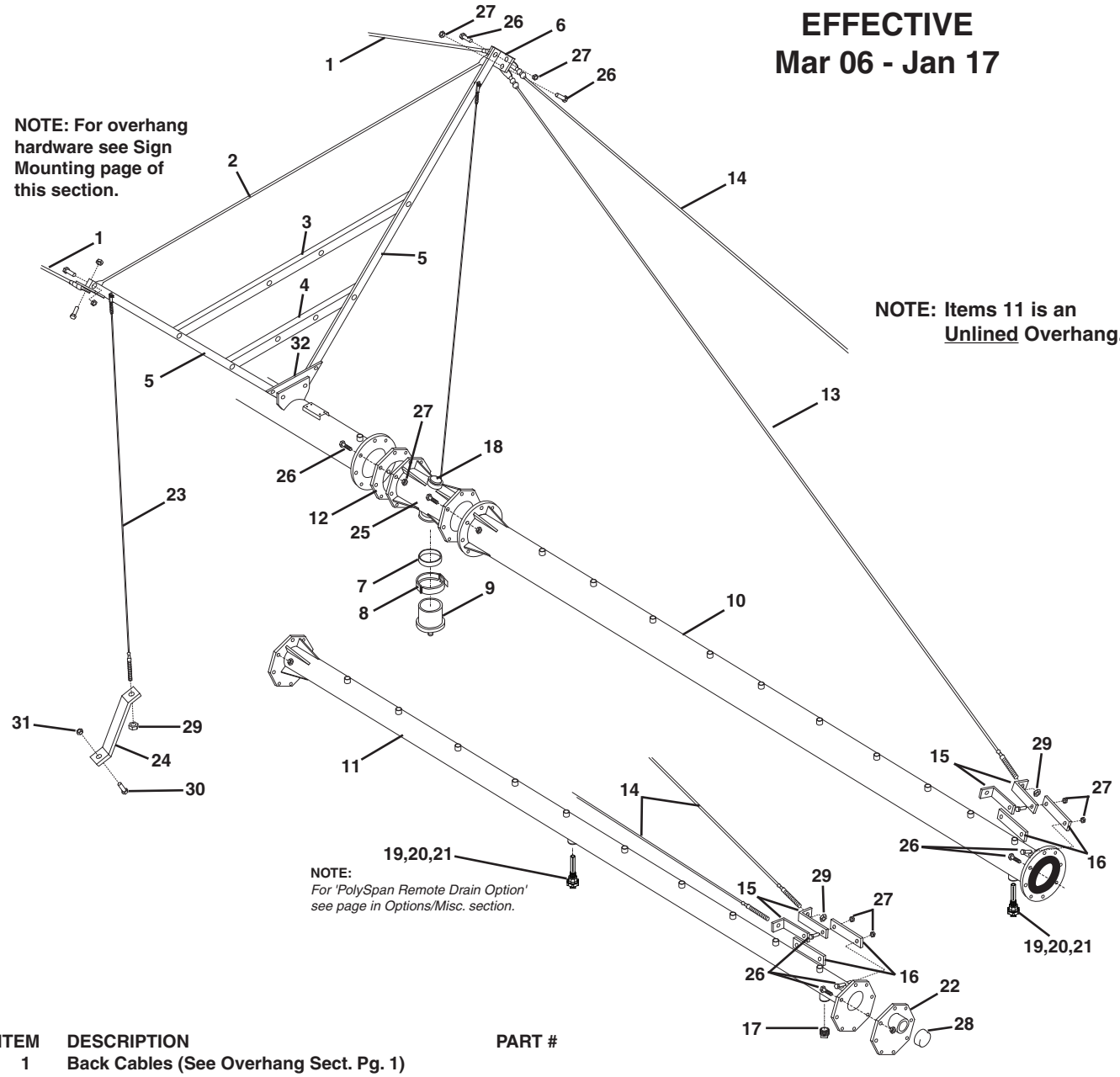
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EFFECTIVE
Mar 06 - Jan 17

NOTE: For overhang hardware see Sign Mounting page of this section.

NOTE: Items 11 is an Unlined Overhang.

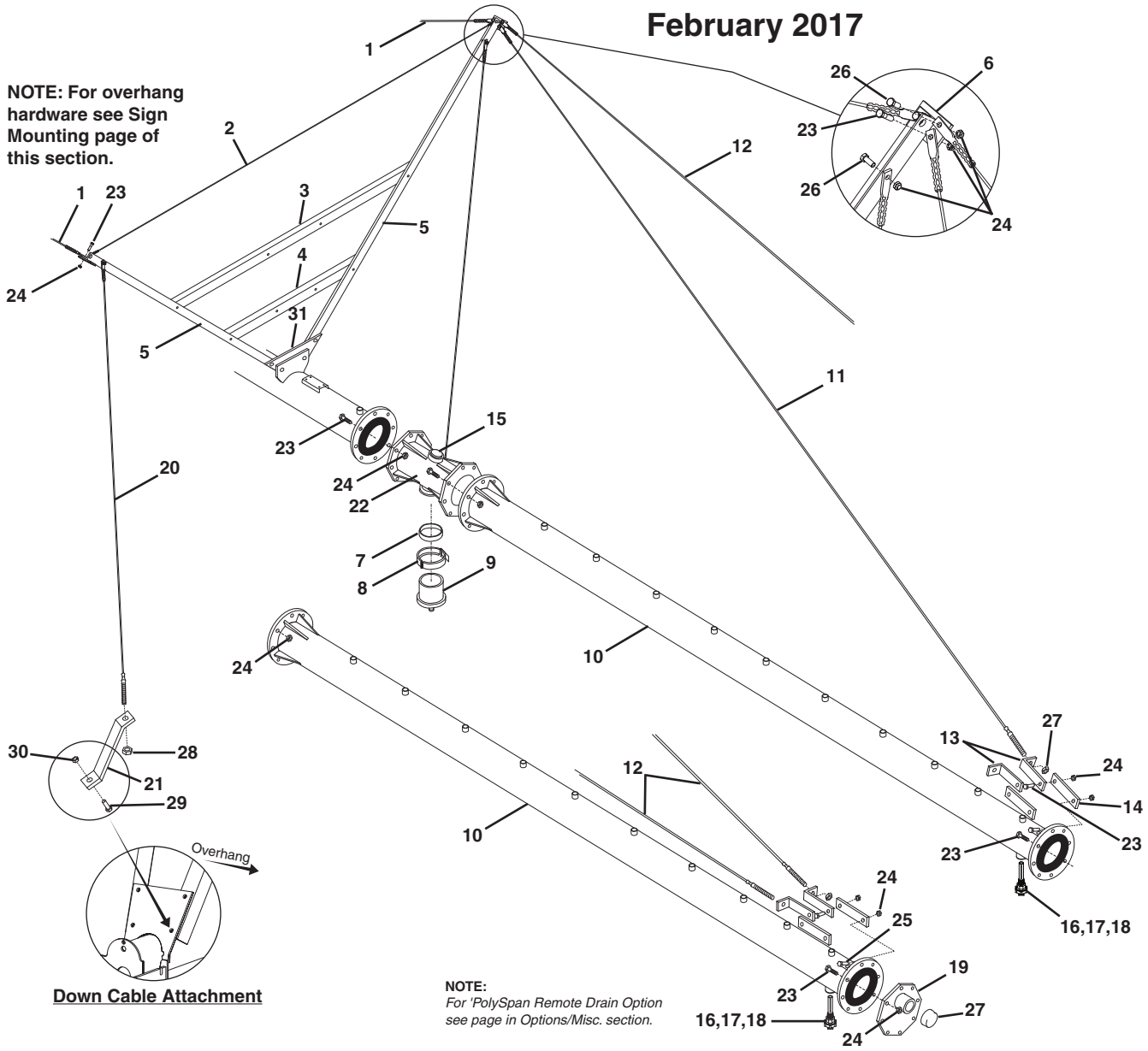


ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	27'[8.23m] x 4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
12	6-5/8" Rubber Gasket	0992211
13	Overhang Support Inner Cable	9360034
14	Overhang Support Outer Cable	1780203
15	Cable Support Bracket	1900024
16	Overhang Cable Extension Bracket	9360499
17	2" Pipeplug	0246011
18	2-1/2" Pipe Plug - Galvanized	0246184
19	3/4" Upper Drain Body	0246227

ITEM	DESCRIPTION	PART #
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
23	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
24	Cable Support Brkt (Std, Low & Ultra-High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
25	Spacer, Stainless Steel, w/4° Tip	9360464
26	1/2" x 2" Cap Screw	0161024
27	1/2" Lock Nut	0133005
28	Pipe Cap	0246046
29	3/4" Hex Nut	0131008
30	5/8" x 2" Cap Screw	0161014
31	5/8" Lock Nut	0133010
32	Trapezoid Plate	9363792

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ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	Overhang Support Inner Cable	9360034
12	Overhang Support Outer Cable	1780203
13	Cable Support Bracket	1900024
14	Overhang Cable Extension Bracket	9360499
15	2-1/2" Pipe Plug - Galvanized	0246184
16	3/4" Upper Drain Body	0246227
17	Drain Seal	0232568
18	Lower Drain Body	0232004

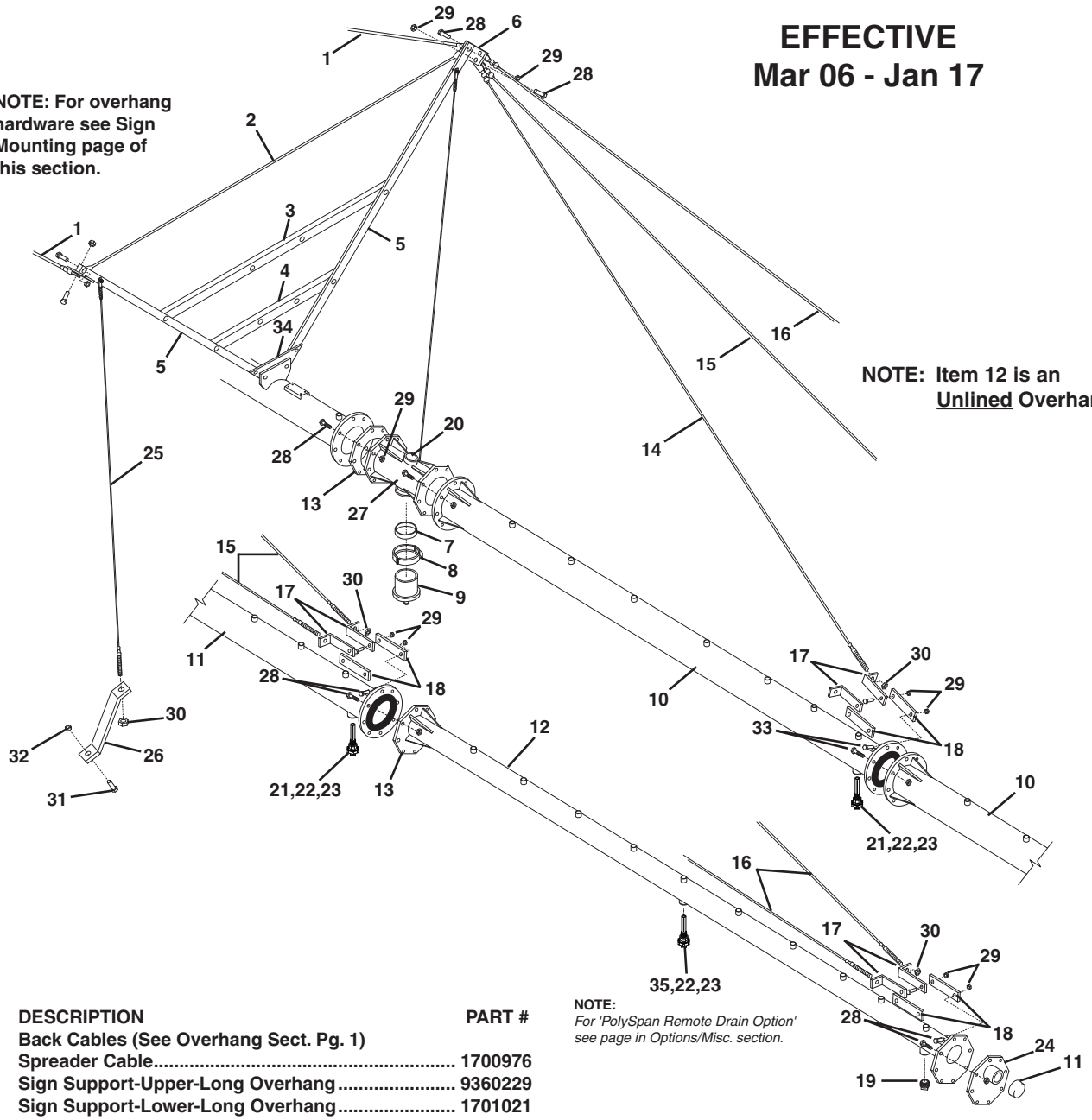
ITEM	DESCRIPTION	PART #
19	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
20	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
21	Cable Support Brkt (Std, Low & Ultra-High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
22	Spacer, Stainless Steel, w/4° Tip	9360464
23	1/2" x 2" Cap Screw	0161024
24	1/2" Lock Nut	0133005
25	1/2" x 1-1/2" Cap Screw	0161026
26	1/2" x 1-1/4" Cap Screw	0161027
27	Pipe Cap	0246046
28	3/4" Hex Nut	0131008
29	5/8" x 2" Cap Screw	0161014
30	5/8" Lock Nut	0133010
31	Trapezoid Plate	9363792

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EFFECTIVE
Mar 06 - Jan 17

NOTE: For overhang hardware see Sign Mounting page of this section.

NOTE: Item 12 is an Unlined Overhang.



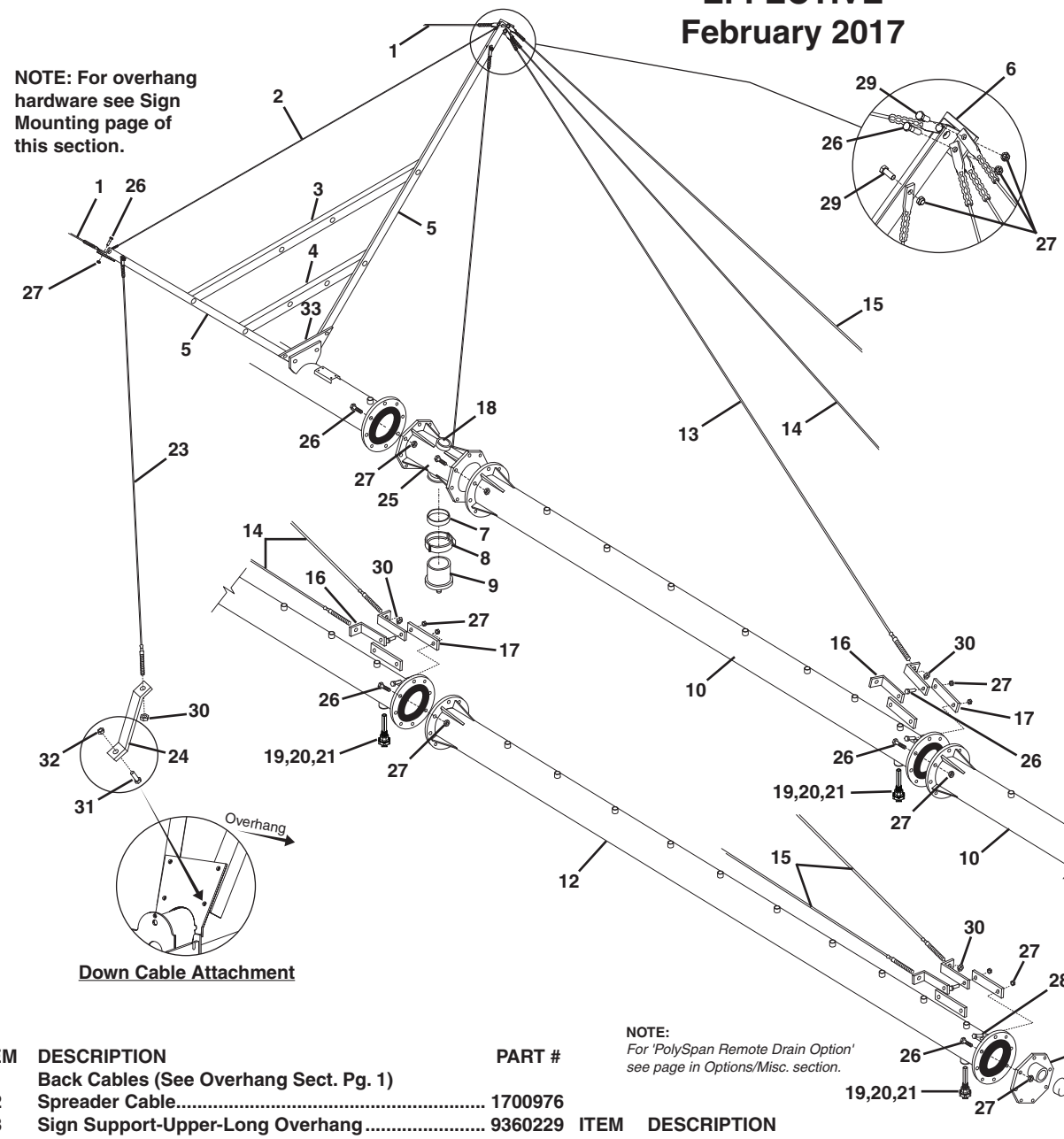
NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	18'[5.49m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp	9362693
11	Pipe Cap	0246046
12	27'[8.23m] x 4" Dia. O.H. Pipe 30"[76.2cm] Sp	1781323
13	6-5/8" Rubber Gasket	0992211
14	Overhang Support Inner Cable	9360035
15	Overhang Support Middle Cable	9360036
16	Overhang Support Outer Cable	1780204
17	Cable Support Bracket	1900024
18	Overhang Cable Extension Bracket	9360499
19	2" Pipe Plug	0246011
20	2-1/2" Pipe Plug - Galvanized	0246184
21	3/4" Upper Drain Body	0246227
22	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
23	Lower Drain Body	0232004
24	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
25	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
26	Cable Support Brkt (Std, Low & Ultra-High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
27	Spacer, Stainless Steel, w/4° Tip	9360464
28	1/2" x 2" Cap Screw	0161024
29	1/2" Lock Nut	0133005
30	3/4" Hex Nut	0131008
31	5/8" x 2" Cap Screw	0161014
32	5/8" Lock Nut	0133010
33	1/2" x 2-1/2" Cap Screw	0161023
34	Trapezoid Plate	9363792
35	1" Upper Drain Body	0246170

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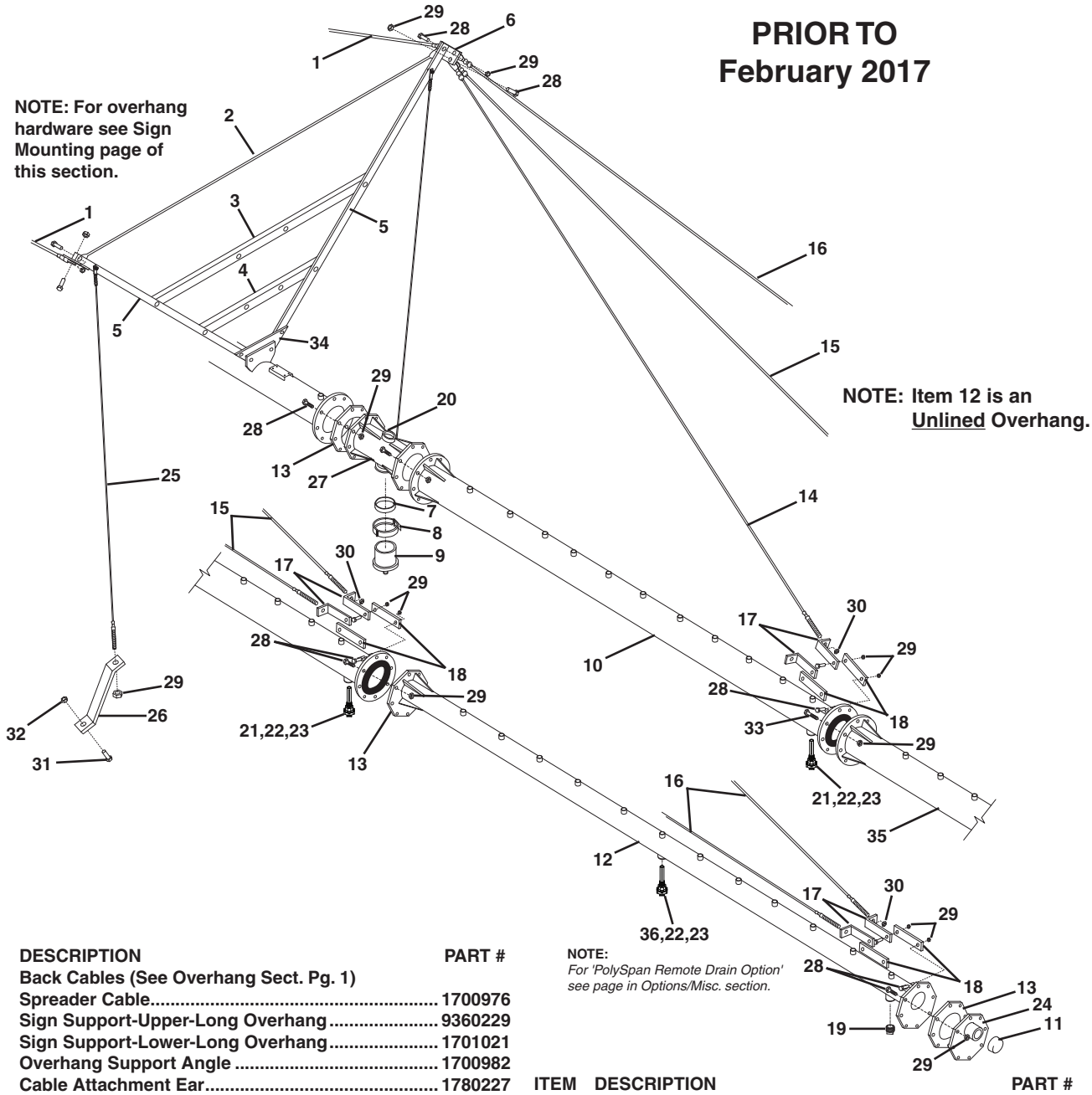
EFFECTIVE
February 2017



ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	18'[5.49m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362693
11	Pipe Cap	0246046
12	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
13	Overhang Support Inner Cable	9360035
14	Overhang Support Middle Cable	9360036
15	Overhang Support Outer Cable	1780204
16	Cable Support Bracket	1900024
17	Overhang Cable Extension Bracket	9360499
18	2-1/2" Pipe Plug - Galvanized	0246184
19	3/4" Upper Drain Body	0246227
20	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
21	Lower Drain Body	0232004
22	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
23	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
24	Cable Support Brkt (Std, Low & Ultra-High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
25	Spacer, Stainless Steel, w/4° Tip	9360464
26	1/2" x 2" Cap Screw	0161024
27	1/2" Lock Nut	0133005
28	1/2" x 1-1/2" Cap Screw	0161026
29	1/2" x 1-1/4" Cap Screw	0161027
30	3/4" Hex Nut	0131008
31	5/8" x 2" Cap Screw	0161014
32	5/8" Lock Nut	0133010
33	Trapezoid Plate	9363792

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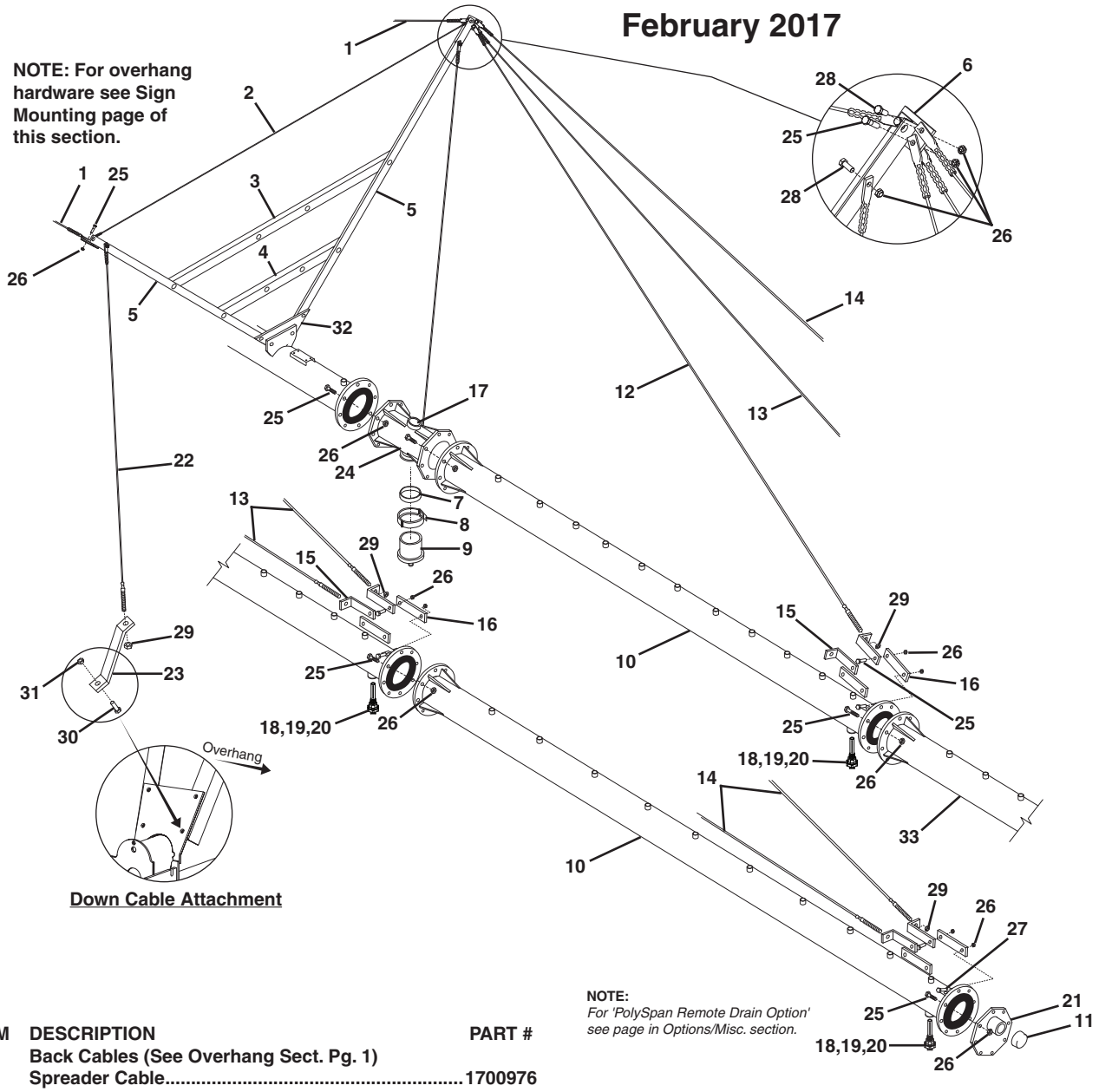


ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	Pipe Cap	0246046
12	27'[8.23m] x 4" Dia. O.H. Pipe 30"[76.2cm] Sp	1781323
13	6-5/8" Rubber Gasket	0992211
14	Overhang Support Inner Cable	9360034
15	Overhang Support Middle Cable	9364496
16	Overhang Support Outer Cable	9360955
17	Cable Support Bracket	1900024
18	Overhang Cable Extension Bracket	9360499
19	2" Pipe Plug	0246011
20	2-1/2" Pipe Plug - Galvanized	0246184
21	3/4" Upper Drain Body	0246227
22	Drain Seal	0232568
23	Lower Drain Body	0232004

ITEM	DESCRIPTION	PART #
24	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
25	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
26	Cable Support Brkt (Std, Low & Ultra High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
27	Spacer, Stainless Steel, w/4° Tip	9360464
28	1/2" x 2" Cap Screw	0161024
29	1/2" Lock Nut	0133005
30	3/4" Hex Nut	0131008
31	5/8" x 2" Cap Screw	0161014
32	5/8" Lock Nut	0133010
33	1/2" x 2-1/2" Cap Screw	0161023
34	Trapezoid Plate	9363792
35	18'[5.48m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362693
36	1" Upper Drain Body	0246170

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ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	Pipe Cap	0246046
12	Overhang Support Inner Cable	9360034
13	Overhang Support Middle Cable	9364496
14	Overhang Support Outer Cable	9360955
15	Cable Support Bracket	1900024
16	Overhang Cable Extension Bracket	9360499
17	2-1/2" Pipe Plug - Galvanized	0246184
18	3/4" Upper Drain Body	0246227
19	Drain Seal	0232568
20	Lower Drain Body	0232004

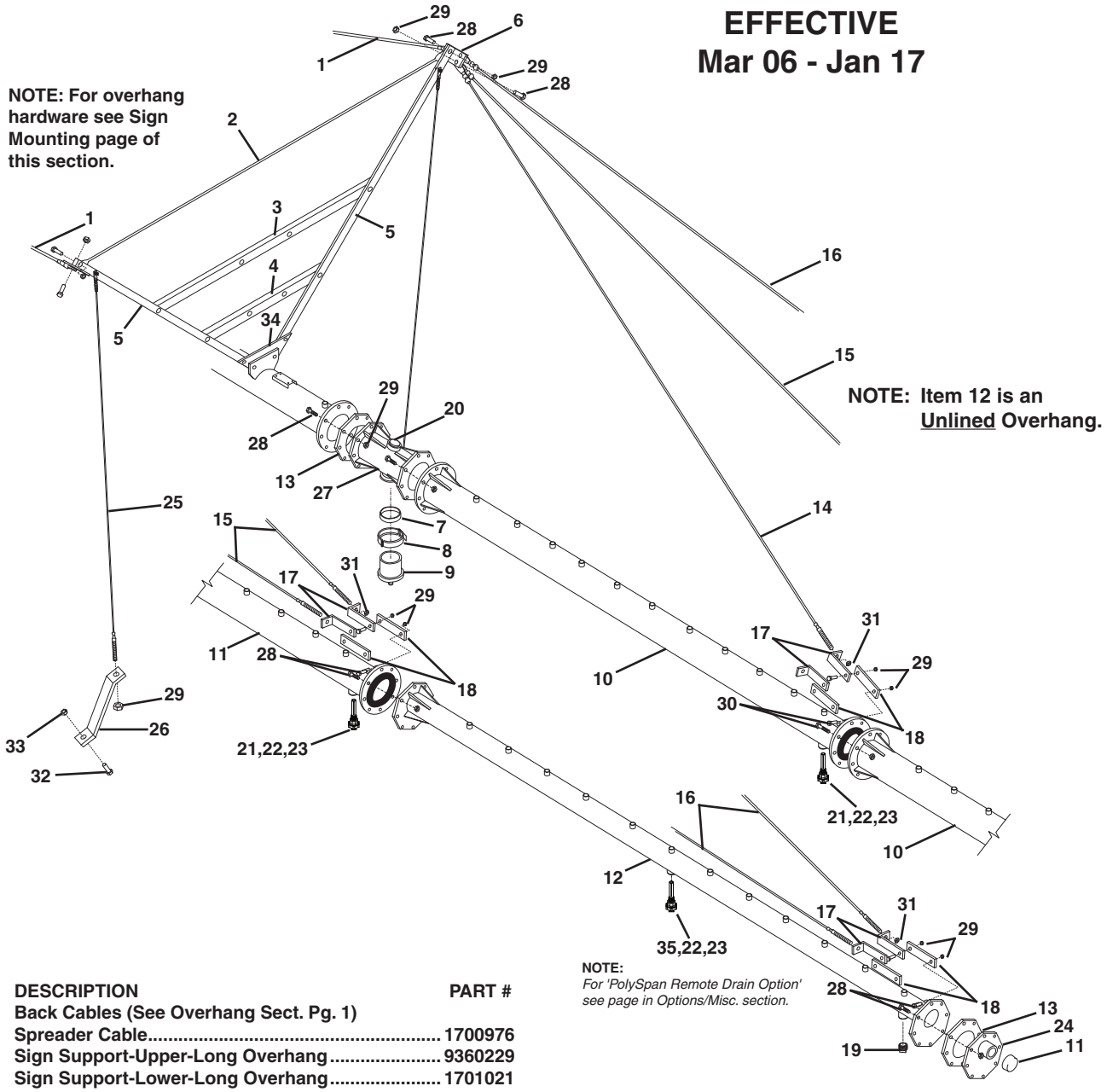
ITEM	DESCRIPTION	PART #
21	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
22	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
23	Cable Support Brkt (Std, Low & Ultra High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
24	Spacer, Stainless Steel, w/4° Tip	9360464
25	1/2" x 2" Cap Screw	0161024
26	1/2" Lock Nut	0133005
27	1/2" x 1-1/2" Cap Screw	0161026
28	1/2" x 1-1/4" Cap Screw	0161027
29	3/4" Hex Nut	0131008
30	5/8" x 2" Cap Screw	0161014
31	5/8" Lock Nut	0133010
32	Trapezoid Plate	9363792
33	18'[5.48m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362693

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EFFECTIVE
Mar 06 - Jan 17

NOTE: For overhang hardware see Sign Mounting page of this section.

NOTE: Item 12 is an Unlined Overhang.



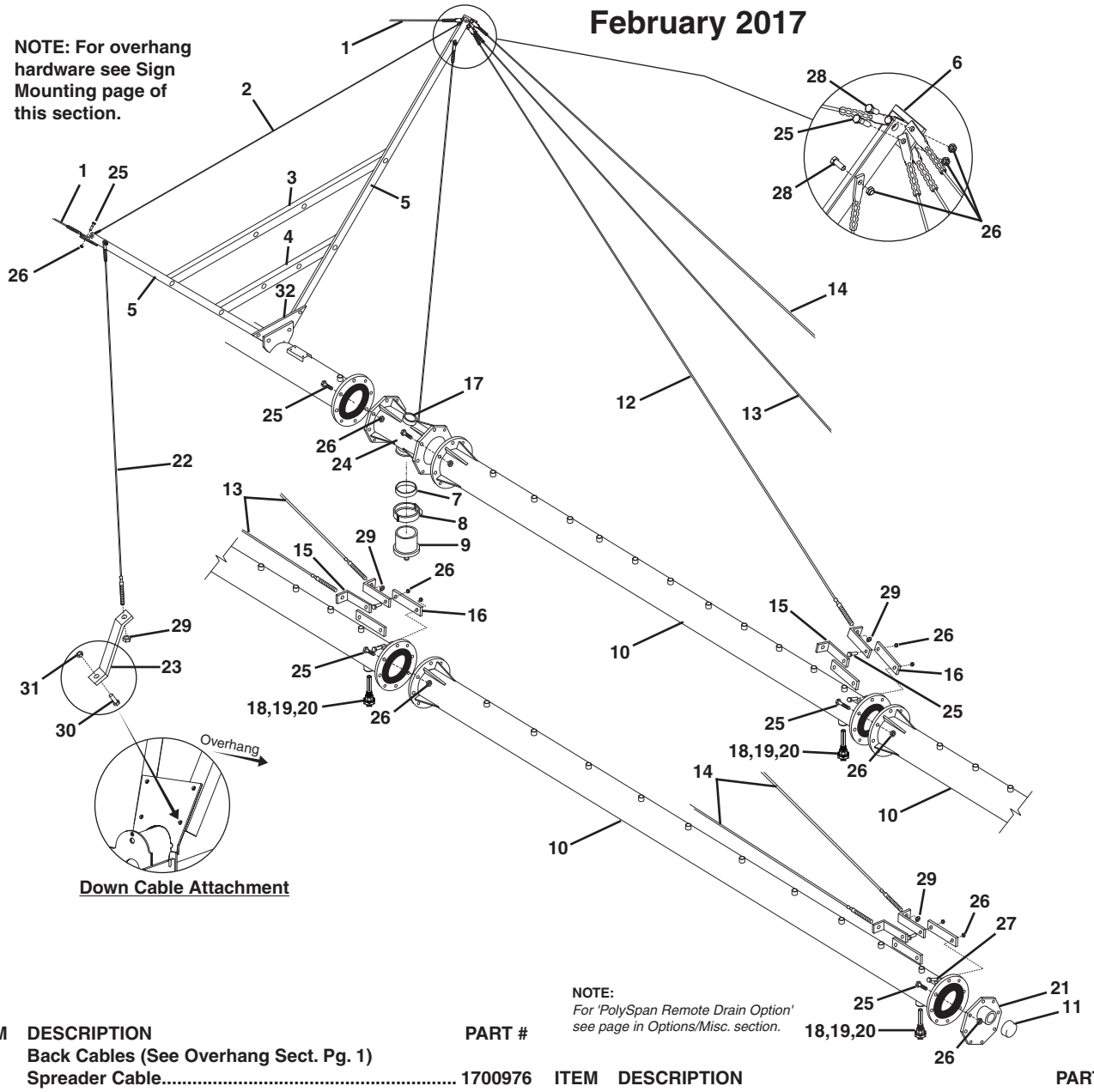
NOTE:
For 'PolySpan Remote Drain Option' see page in Options/Misc. section.

ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	Pipe Cap	0246046
12	27'[8.23m] x 4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323
13	6-5/8" Rubber Gasket	0992211
14	Overhang Support Inner Cable	9360034
15	Overhang Support Middle Cable	1780203
16	Overhang Support Outer Cable	1780205
17	Cable Support Bracket	1900024
18	Overhang Cable Extension Bracket	9360499
19	2" Pipe Plug	0246011
20	2-1/2" Pipe Plug - Galvanized	0246184
21	3/4" Upper Drain Body	0246227
22	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
23	Lower Drain Body	0232004
24	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
25	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
26	Cable Support Brkt (Std, Low & Ultra High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
27	Spacer, Stainless Steel, w/4° Tip	9360464
28	1/2" x 2" Cap Screw	0161024
29	1/2" Lock Nut	0133005
30	1/2" 2-1/2" Cap Screw	0161023
31	3/4" Hex Nut	0131008
32	5/8" x 2" Cap Screw	0161014
33	5/8" Lock Nut	0133010
34	Trapezoid Plate	9363792
35	1" Upper Drain Body	0246170

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EFFECTIVE
February 2017

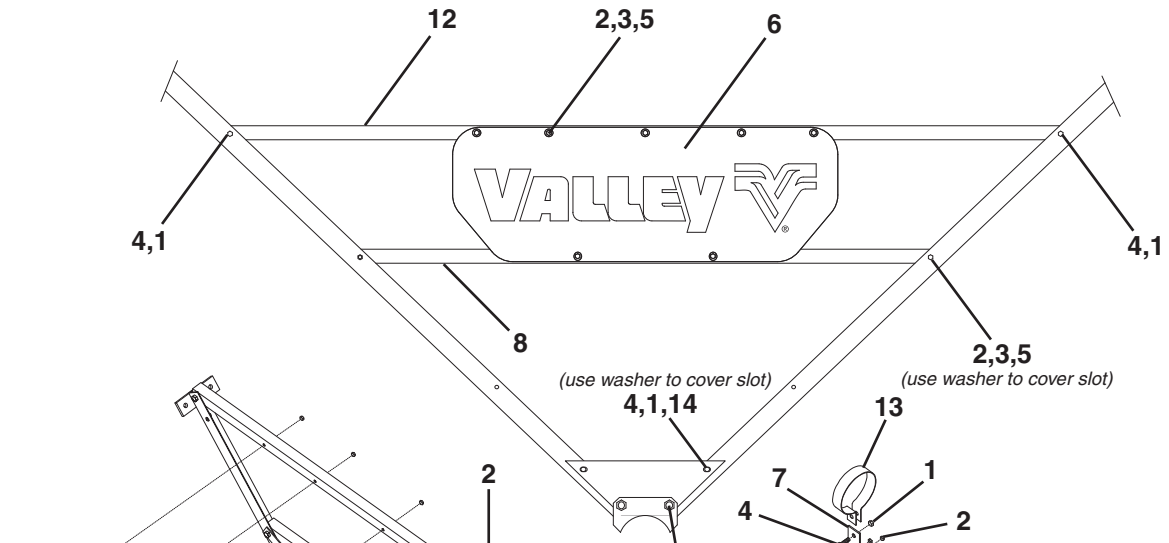


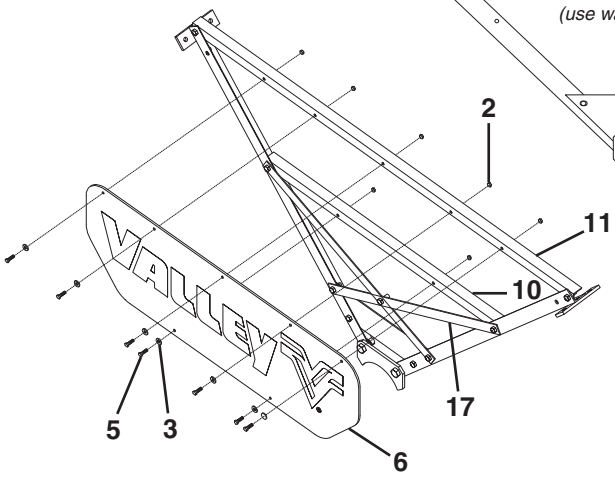
ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	27'[8.23m] x 6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9362695
11	Pipe Cap	0246046
12	Overhang Support Inner Cable	9360034
13	Overhang Support Middle Cable	1780203
14	Overhang Support Outer Cable	1780205
15	Cable Support Bracket	1900024
16	Overhang Cable Extension Bracket	9360499
17	2-1/2" Pipe Plug - Galvanized	0246184
18	3/4" Upper Drain Body	0246227
19	Drain Seal	0232568

ITEM	DESCRIPTION	PART #
20	Lower Drain Body	0232004
21	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
22	Support Cable (Std & High Profile)	1780228
	Support Cable (Low Profile)	1780637
	Support Cable (Ultra-High Profile)	9360195
23	Cable Support Brkt (Std, Low & Ultra High Prof)	1700975
	Cable Support Bracket (High Profile)	1780828
24	Spacer, Stainless Steel, w/4° Tip	9360464
25	1/2" x 2" Cap Screw	0161024
26	1/2" Lock Nut	0133005
27	1/2" x 1-1/2" Cap Screw	0161026
28	1/2" x 1-1/4" Cap Screw	0161027
29	3/4" Hex Nut	0131008
30	5/8" x 2" Cap Screw	0161014
31	5/8" Lock Nut	0133010
32	Trapezoid Plate	9363792

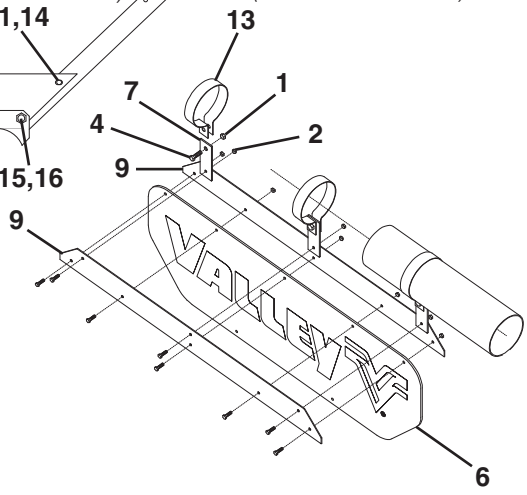
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36' HD, 54', 64', 82'
OVERHANGS





18', 27', 36'
OVERHANGS



SIGN MOUNTING
OVERHANG PIPE

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/16" Lock Nut	0133007
3	5/16" Flat Washer	0142017
4	1/2" x 1-1/4" Cap Screw	0161027
5	5/16" x 1" Cap Screw	0161052
6	Valley Sign	0994656
	Valley Sign - PolySpan - DISCONTINUED Jun 18	0998245
7	Rubber Sign Hanger-5 Ply	0994657
8	Sign Support-Lower-Long Overhang	1701021
9	Sign Reinforcing Strap	9360226
10	Sign Support-Lower	9360227
11	Sign Support-Upper	9360228
12	Sign Support-Upper-Long Overhang	9360229
* 13	Sign Support Band (6-5/8" O.H. Pipe)	9360410
14	1/2" Flat Washer	0142025
15	3/4" x 1-3/4" Cap Screw	0161139
16	3/4" Lock Nut	0133011
17	Brace Strap	9361716

*** NOTE: Shipped as a straight strip that must be formed around the pipeline.**

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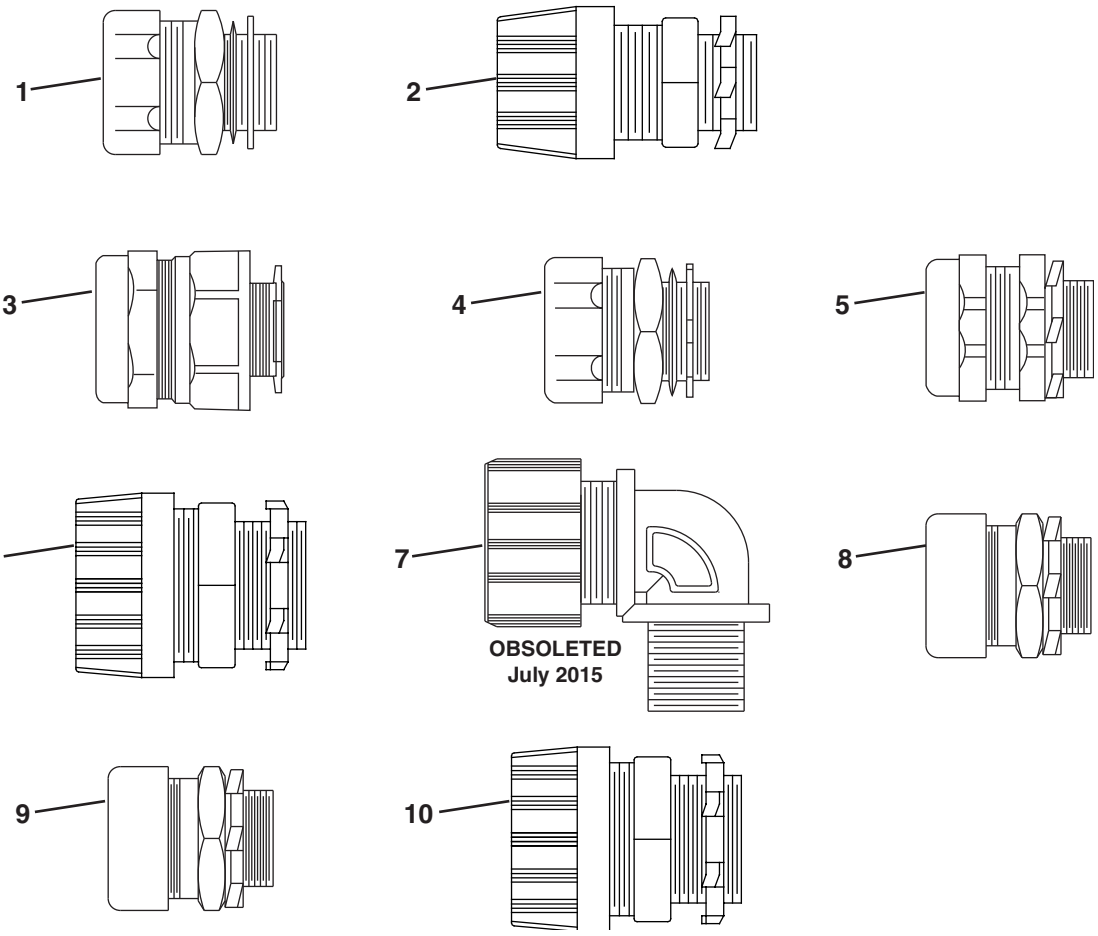
ELECTRICAL

2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
Cable Connectors	09-15	15-3
Electrical Cable	06-15	15-4
Electrical Cable - Unshielded	09-10	15-5
Fuses	09-17	15-6
Cable Clamps	01-10	15-7
Grounding Jumper Wire Installation	01-10	15-8
Switch & Arm Assembly	09-10	15-9
Enclosure - Standard	12-14	15-10
Enclosure - Deep	05-17	15-11
30 Amp Back Panel	12-14	15-12
30 Amp Back Panel - Deep Panel	10-14	15-13
45 Amp Back Panel	10-18	15-14
45 Amp Back Panel - Deep Panel	10-14	15-15
ClassicPlus Module	12-14	15-16
ClassicPlus Module - Deep Panel	05-17	15-17
ClassicPlus A.R.A.S. Module	09-17	15-18
ClassicPlus A.R.A.S. Module - Deep Panel	09-17	15-19
Classic Plus Auxiliary Control - Deep Panel	11-13	15-20
Select Module - PRIOR to July 08	02-13	15-21
Pro 2 Module - Prior to May 07	02-15	15-22
AutoPilot Module - EFFECTIVE June 07	02-15	15-23
AutoPilot Module - Deep Panel	02-15	15-24
AutoPilot Auxiliary Control - Deep Panel	11-13	15-25
Low Voltage & Adjustable Voltage Monitor - Deep Panel	05-17	15-26
Low Pressure Shutoff	11-13	15-27
Phase Loss w/ Ground Fault - Deep Panel	05-17	15-28
End Gun Switch Options - Deep Panel	07-17	15-29
Ground Fault	05-17	15-30
Centerfeed Tower Box	12-17	15-31
Intermediate Tower Box	10-18	15-32
Last Tower Box	10-18	15-33
Slowdown Timer Box	12-17	15-34
Central Pulse Tower Box	10-18	15-35
Booster Pump Box	10-18	15-36
Steering/Safety Box	12-17	15-37
Furrow Guidance Tower Box	12-17	15-38
Furrow Guidance Swing Around Tower Box	12-17	15-39
Booster Transformer Tower Box	05-15	15-40

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ITEM	DESCRIPTION	PART #
1	**1/2" Hub .17" - .47" O.D. Wire Range**	**03E2132**
	Proximity Switch Cable, Pressure Transducer	
2	**1/2" Hub .500" - .562" O.D. Wire Range**	**0314119**
	14 AWG - 4 and 5 Conductor	
3	**3/4" Hub .625" - .750" O.D. Wire Range**	**0314465**
	12 AWG - 11 and 12 Conductor	
4	**3/4" Hub .700" - .800" O.D. Wire Range**	**0315311**
	12 AWG or 10 AWG - 11 and 12 Conductor	
5	**3/4" Hub .900" - .1.00" O.D. Wire Range**	**0315674**
	8 AWG - 11 and 12 Conductor	
	8 AWG or 10 AWG - 16 Conductor	
6	**1" Hub .687" - .812" O.D. Wire Range**	**0314466**
	12 AWG, 10 AWG or 8 AWG - 11, 12 and 16 Conductor - Yellow Grommet	
7	**1" Hub 90° .75" - .875" O.D. Wire Range - OBSOLETED July 2015**	**03E1897**
	12 AWG or 10 AWG - 11 and 12 Conductor	
8	**3/4" Hub Straight Flex Conduit Connector**	**0314121**
	3/4" Sealtite Raceway	
9	**1/2" Hub Straight Flex Conduit Connector**	**0314120**
	1/2" Sealtite Raceway	
10	**1" Hub .812" - .937" O.D. Wire Range**	**0314467**
	10 AWG or 8 AWG - 11, 12 and 16 Conductor - Gray Grommet	

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UNDERGROUND GUIDANCE			
Length		Part #	
Meters	Feet	Unshielded	Shielded
2804.17m	9,200'	0314730	0314964
3352.81m	11,000'	0314742	0314966
3962.41m	13,000'	0314786	0314968

UNDERGROUND GUIDANCE TWISTED PAIR			
Length		Part #	
Meters	Feet	Unshielded	Shielded
396.24m	1,300'	0314734	0314965
472.44m	1,550'	0314743	0314967
609.60m	2,000'	0314785	0314969

MISCELLANEOUS CABLE					
Description	Length		Gauge	Cond.	Part #
Drive Unit Motor Lead	5.61m	18'-5"	14	4	1810387
Box to Motor - Low Profile	4.72m	15'-6"	14	4	1812444
Box to Motor - High Profile	7.92m	26'-0"	14	4	1812547
Running Light	6.10m	20'-0"	14	4	1810286
Bulk 4 Wire	3048.00m	10,000'-0"	14	4	0314571
Bulk 11 Wire	1828.80m	6000'-0"	12,14	11	03E1717
Bulk 11 Wire	1524.00m	5000'-0"	10,14	11	0314328
Bulk 11 Wire	1219.20m	4000'-0"	8,14	11	0314569
Bulk 12 Wire	1524.00m	5000'-0"	12,14	12	03E1718
Bulk 12 Wire	1524.00m	5000'-0"	10,14	12	0314838
Bulk 12 Wire	1219.20m	4000'-0"	8,14	12	03E0315

ADD SPAN CABLE

Span Length		Cable Length		03E1717 12 Gauge	0314328 10 Gauge	0314569 8 Gauge	03E1718 12 Gauge	0314838 10 Gauge	03E0315 8 Gauge
Feet	Meters	Feet	Meters	11 Cond.	11 Cond.	11 Cond.	12 Cond.	12 Cond.	12 Cond.
109.7'	33.44	116'-0"	35.36	9310176	1812432	1812433	9310195	9310068	9310066
115.1'	35.08	122'-0"	37.19	9310183	9310140	9310139	9310198	9310142	9310141
127.8'	38.95	135'-0"	41.15	9310177	1812434	1812435	9310187	1813035	1813041
135.2'	41.21	142'-0"	43.28	9310181	9310025	9310061	9310194	9310067	9310063
140.0'	42.67	147'-0"	44.81	9310184	9310144	9310143	9310199	9310146	9310145
142.3'	43.37	149'-0"	45.42	9310438	9310439	9310446	9310440	9310441	9310447
157.5'/160.0'/161.2'	48.01/48.77/49.23	167'-0"	50.90	9310174	1811452	1811453	9310189	1813037	1813043
180.0'	54.86	186'-9"	56.92	9310178	1813007	1813068	9310191	1813066	1813064
184.8'	56.33	192'-0"	58.52	9310170	1810324	1810328	9310196	9310069	9310064
186.7'	56.91	193'-9"	59.06	9310179	1813008	1813069	9310192	1813067	1813065
198.9'	60.62	208'-0"	63.40	9310175	1812003	1812021	9310190	1813040	1813046
205.0'	62.48	212'-0"	64.62	9310182	9310071	9310062	9310197	9310070	9310065

CART SPAN CABLE

Span Length		Cable Length		03E1717 12 Gauge	0314328 10 Gauge	0314569 8 Gauge	03E1718 12 Gauge	0314838 10 Gauge	03E0315 8 Gauge
Feet	Meters	Feet	Meters	11 Cond.	11 Cond.	11 Cond.	12 Cond.	12 Cond.	12 Cond.
109.7'	33.44	142'-0"	43.28	9310181	9310025	9310061	9310194	9310067	9310063
115.1'	35.08	142'-0"	43.28	9310181	9310025	9310061	9310194	9310067	9310063
127.8'	38.95	167'-0"	50.90	9310174	1811452	1811453	9310189	1813037	1813043
135.2'	41.21	167'-0"	50.90	9310174	1811452	1811453	9310189	1813037	1813043
140.0'	42.67	167'-0"	50.90	9310174	1811452	1811453	9310189	1813037	1813043
142.3'	43.37	175'-0"	53.34	9310171	1810325	1810327	9310191	1813066	1813064
157.5'/160.0'/161.2'	48.01/48.77/49.23	186'-9"	56.92	9310178	1813007	1813068	9310191	1813066	1813064
180.0'	54.86	208'-0"	63.40	9310175	1812003	1812021	9310190	1813040	1813046
184.8'	56.33	212'-0"	64.62	9310182	9310071	9310062	9310197	9310070	9310065
186.7'	56.91	220'-0"	67.06	9310172	1810482	9310149	9310200	9310159	9310158
198.9'	60.62	225'-0"	68.58	9310185	1811364	9310149	9310200	1813104	9310158
205.0'	62.48	232'-0"	70.71	9311275	1811364	9310150	9311277	1813104	9310157

FREESTANDING SPAN CABLE

Span Length		Cable Length		03E1717 12 Gauge	0314328 10 Gauge	0314569 8 Gauge	03E1718 12 Gauge	0314838 10 Gauge	03E0315 8 Gauge
Feet	Meters	Feet	Meters	11 Cond.	11 Cond.	11 Cond.	12 Cond.	12 Cond.	12 Cond.
109.7'	33.44	132'-3"	40.31	9310169	1810208	1810275	9310187	1813035	1813041
115.1'	35.08	152'-6"	46.48	9310173	1811074	1811092	9310188	1813036	1813042
127.8'	38.95	152'-6"	46.48	9310173	1811074	1811092	9310188	1813036	1813042
135.2'	41.21	175'-0"	53.34	9310171	1810325	1810327	9310191	1813066	1813064
140.0'	42.67	186'-9"	56.92	9310178	1813007	1813068	9310191	1813066	1813064
142.3'	43.37	186'-9"	56.92	9310178	1813007	1813068	9310191	1813066	1813064
157.5'/160.0'/161.2'	48.01/48.77/49.23	208'-0"	63.40	9310175	1812003	1812021	9310190	1813040	1813046
180.0'	54.86	220'-0"	67.06	9310172	1810482	9310149	9310200	9310159	9310158
184.8'	56.33	225'-0"	68.58	9310185	9310148	9310149	9310200	9310159	9310158
186.7'	56.91	225'-0"	68.58	9310185	9310148	9310149	9310200	9310159	9310158
198.9'	60.62	239'-0"	72.85	9311290	1811364	9310150	9311291	1813104	9310157
205.0'	62.48	242'-0"	73.76	9311276	1811364	9310150	9311278	1813104	9310157

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SPAN CABLE - UNSHIELDED					
Span Length		Cable Length		03E2086 12 Gauge	03E2085 10 Gauge
Feet	Meters	Feet	Meters	11 Cond.	11 Cond.
109.7	33.44	116'-0"	35.36	9311064	9311075
115.1	35.08	122'-0"	37.19	9311071	9311082
120.1		127'-0"		9311068	9311079
127.8	38.95	135'-0"	41.15	9311065	9311076
135.2	41.21	142'-0"	43.28	9311069	9311080
140.0	42.67	147'-0"	44.81	9311072	9311083
142.3	43.37	149'-0"	45.42	9311050	9311056
157.5/160.0/161.2	48.01/48.77/49.23	167'-0"	50.90	9311051	9311057
180.0'	54.86	186'-9"	56.92	9311052	9311058
184.8'	56.33	192'-0"	58.52	9311062	9311073
186.7'	56.91	193'-9"	59.06	9311067	9311078
198.9'	60.62	208'-0"	63.40	9311053	9311059
205.0'	62.48	212'-0"	64.62	9311070	9311081

NOTE: For use outside the United States

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Control Panel Disconnect Fuses

Fuse Amperage	Red Disconnect (Deep) Part #		Yellow Disconnect (Old) (Service Part ONLY) Part #
6 Amp	03E3456		0314591
8 Amp	0314342		0314342
12 Amp	03E3457		0314343
15 Amp	03E3458		0314344
17.5 Amp	03E3459		0314345
20 Amp	03E3460		0314167
25 Amp	03E3461		0314346
30 Amp	03E3462		0315411
35 Amp	03E3588		-
40 Amp	03E3589		-
45 Amp	03E3463		0315459
Shorting Bar	30 Amp Panel 03E3641	45 Amp Panel 03E3642	0314885

30A, 600V, 3 Pole Fuseblock 03E1735

Amperage	Voltage	Fuse	Part#
3A	600V	Class CC	03E1616
4A	600V	Dual Element	03E0389
8A	600V	Class CC	03E1620
15A	500V	Dual Element	0315983
20A	600V	Class CC	03E1726
30A	600V	Class CC	03E1672
30A	600V	Dual Element	03E1738

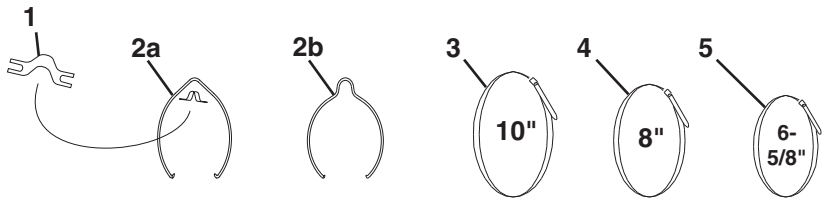
30 A, 600V, 3 Pole Class CC Fuseblock .03E1735

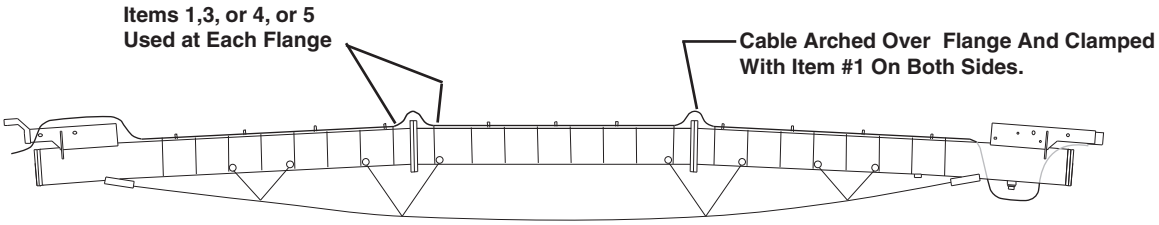
Amperage	Voltage	Fuse	Part#
4A	600V	Dual Element	03E0389
5A	600V	Class CC	03E1678
8A	600V	Class CC	03E1620
20A	600V	Class CC	03E1726
30A	600V	Dual Element	03E1738

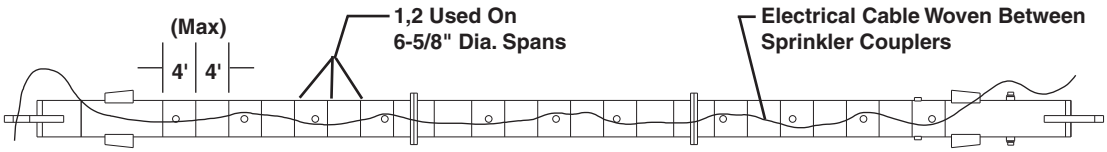
Booster Pump Box Fuse

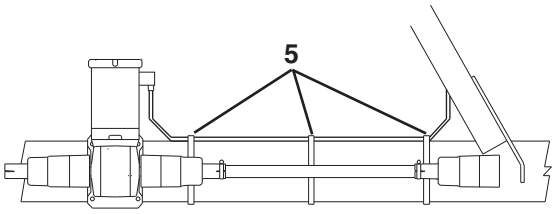
Amperage	Voltage	Fuse	Part#
5.6A	600V	Class CC	03E1734
15A	600V	Dual Element	03E1740

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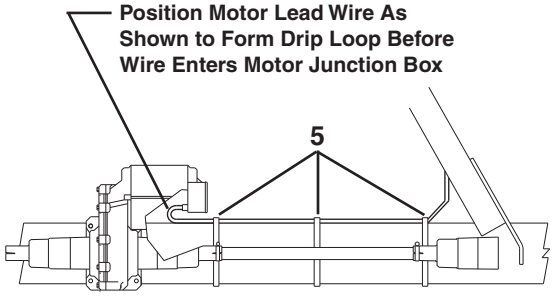








Power Cable Routing at Base Beam
For Worm Gear Center Drive Motor

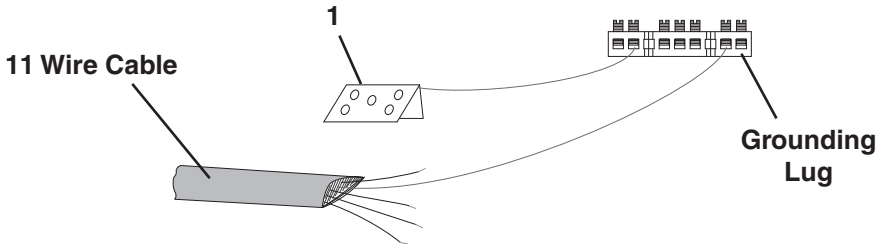


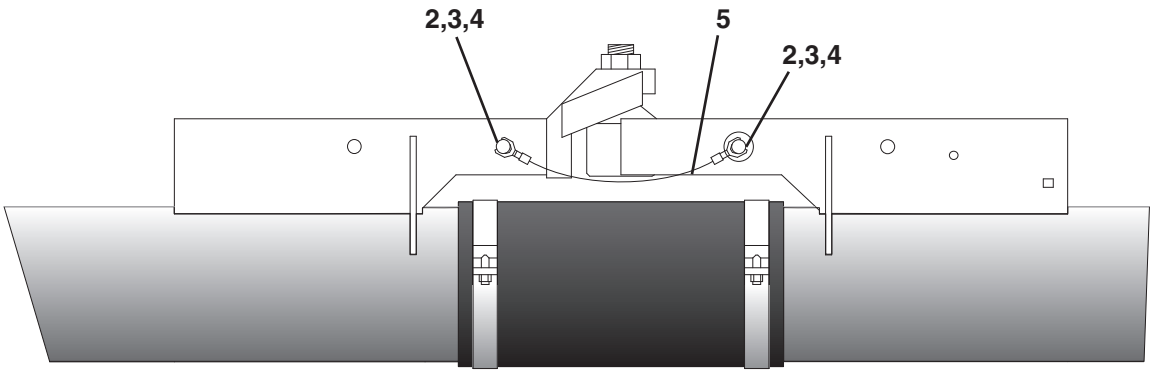
Power Cable Routing at Base Beam
For Worm Gear Center Drive Motor

ITEM	DESCRIPTION	PART #
1	**Hose Clamp Clip**	**1750318**
	Used With Cable Clamp	
2a	**Cable Clamp**	**0271040**
	Used with Clamp Clip (1750318)	
2b	**Cable Clamp**	**0271116 ***
	Does not use Clamp Clip	
3	**10" Dia. Cable Banding Clamp (42" Long)**	**0271051**
	10" System All Positions on Span	
4	**8" Dia. Cable Banding Clamp (30" Long)**	**0271024**
	8-5/8" System All Positions on Span	
5	**6-5/8" Dia. Cable Banding Clamp (24" Long)**	**0271021**
	6-5/8" System at Flanges All Overhangs-Motor Lead on Base Beam	

*** NOTE: Not used on Precision Corner or where multiple Span Cable is required.**

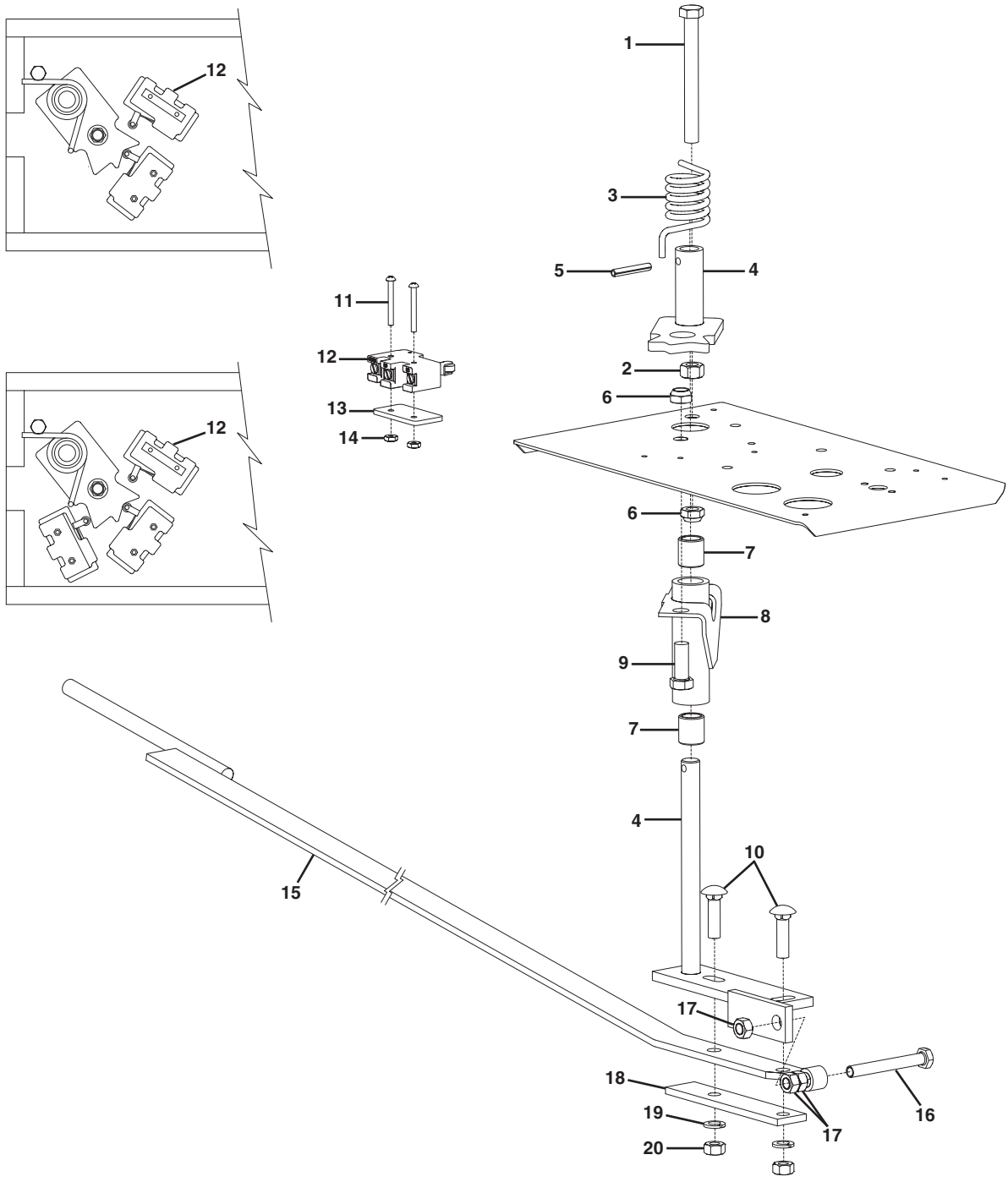
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ITEM	DESCRIPTION	PART #
1	Grounding Lead With Clamp	1814000
2	1/2" x 4" Cap Screw	0161020
3	1/2" Flat Washer	0142025
4	1/2" Hex Nut	0131015
5	Standard Electrical Lead	1811101
	Corner Electrical Lead (42")	1811173

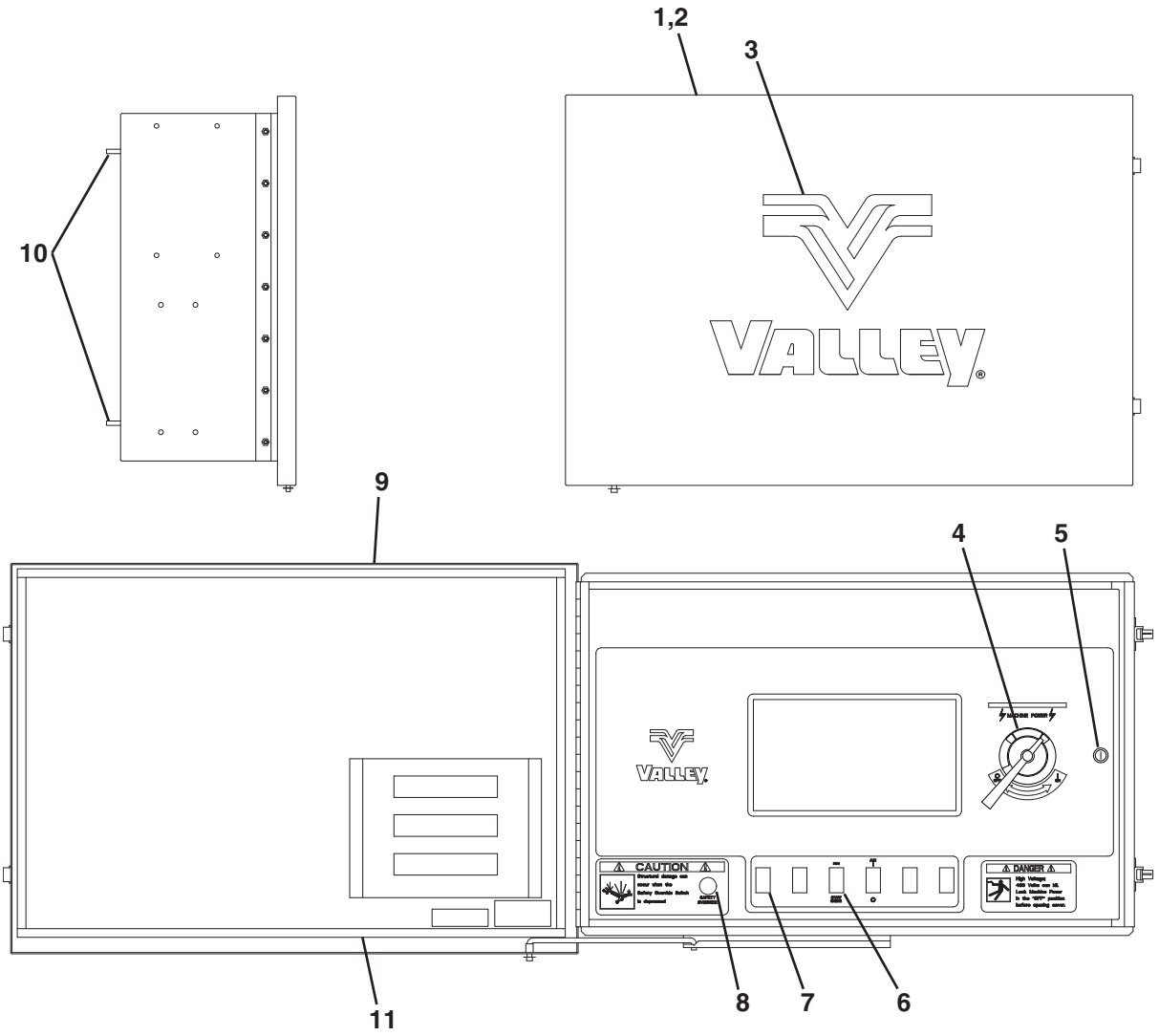
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ITEM	DESCRIPTION	PART #
1	3/8" x 3-1/2" Cap Screw	0161150
2	3/8" Hex Nut	0131018
3	Spring	0181046
4	Switch Pivot and Arm	1701262
5	3/16" x 1-1/4" Roll Pin	0111017
6	3/8" Lock Nut	0133006
7	Trip Bushing, Plastic	1915198
8	Sensor Bearing Assembly	1702051
9	3/8" x 1" Cap Screw	0161045
10	5/16" x 1-1/4" Carriage Bolt	0175013
11	#6 x 1-14" Rt. Hand Machine Screw	0164054

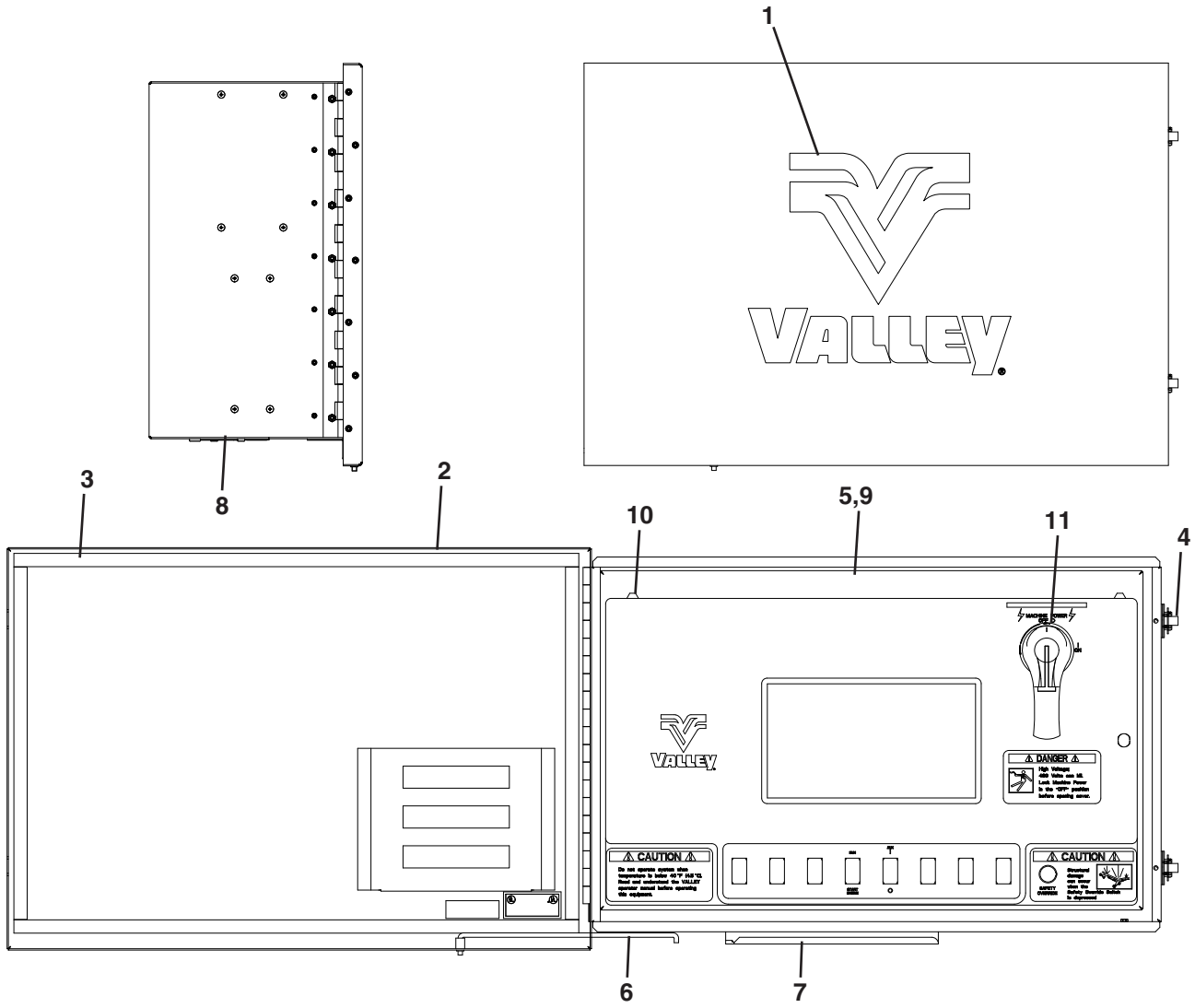
ITEM	DESCRIPTION	PART #
12	Micro Switch	03E0307
13	Insulator Block	1701632
14	#6 Nut	0134027
15	Control Bar	1701295
16	5/16" x 2-1/2" Cap Screw	0163046
17	5/16" - 18 NC Hex Nut	0131079
18	Lower Keeper Plate	1700156
19	5/16" Lock Washer	0141008
20	5/16" Hex Nut	0131019
	Sensor Bearing w/Bushings (incl. items 7 & 8)	1703336

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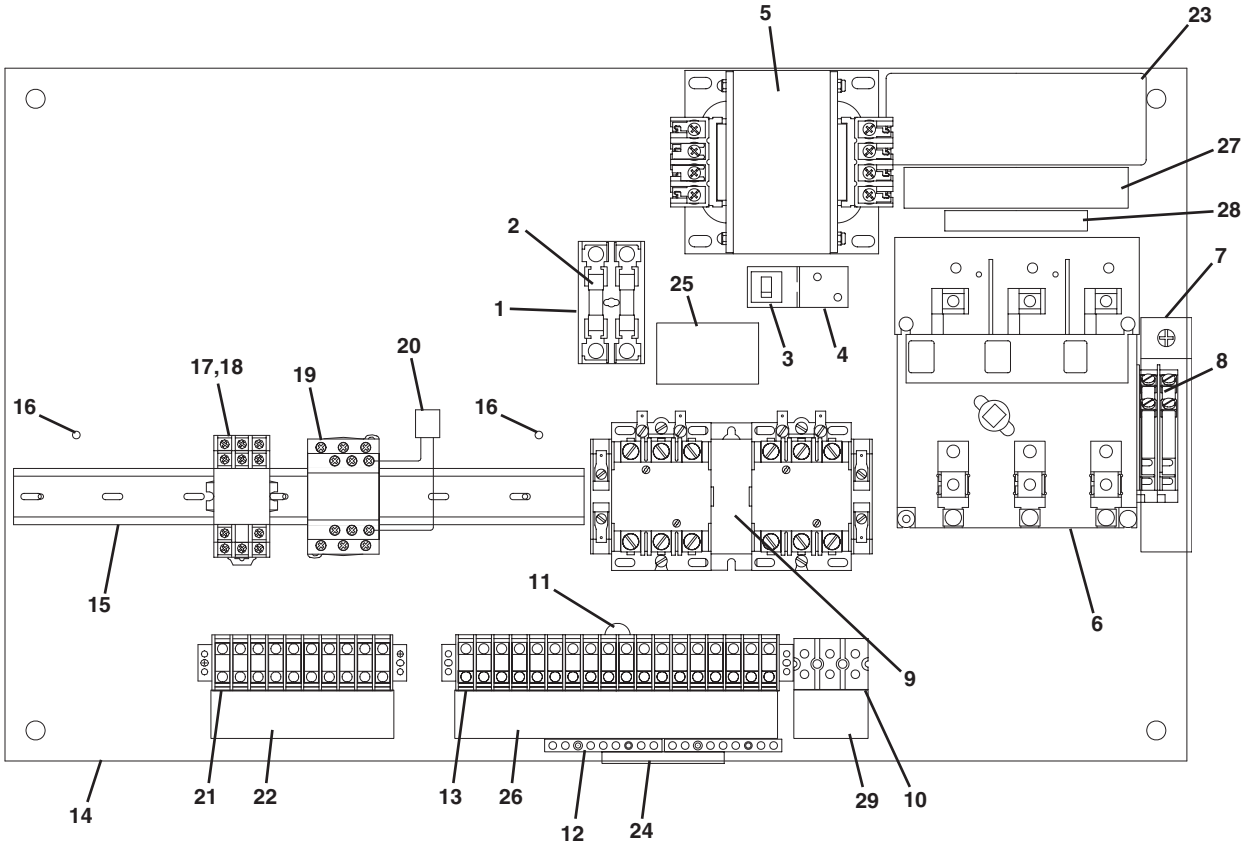
ITEM	DESCRIPTION	PART #
1	Blue Enclosure Box & Doors	OBSOLETED
2	Stainless Steel Enclosure	OBSOLETED
3	Outer Door Decal	0994450
4	Disconnect Handle with Operating Shaft	0314799
5	Cabinet Lock With Two Keys	0991370
6	Rocker Switch 6 Tab DPDT 15 Amp	03E1722
7	Dummy Rocker Switch Mount	03E1719
8	Push Button Switch DPDT	03E2224
	Contact Block Only (Service Part)	03E2222
9	Outer Door with Hinge & Decal	9310164
10	3/8"-16 x 2" Stainless Steel Thrd. (Box Mounting)	0994523
11	Standard Enclosure Door Gasket Kit	0999316

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ITEM	DESCRIPTION	PART #
1	Outer Door Decal	0994450
2	Outer Door & Hinge Assm.	9310013
	Outer Door & Hinge Assm. - Stainless Steel	9310085
3	Standard Enclosure Door Gasket Kit	0999316
4	Latch & Keeper Plate	0994441
	Latch & Keeper Plate - Stainless Steel	0994524
5	Inner Door Stop	0996491
6	Door Stop Rod	9310019
	Door Stop Rod - Stainless Steel	9312053
7	Door Stop Channel - Stainless Steel	9310086
8	Box & Door Rest Assm.	9312002
	Box & Door Rest Assm. - Stainless Steel	9312092
9	Inner Door Assm. - OBSOLETED Apr 2017	9312023
	Inner Door Assm. - Stainless Steel	9312090
10	3/8" x 1/2" Cap Screw	0164208
11	Disconnect Handle	03E3449
	Standard Enclosure Assm. - OBSOLETED Apr 2017	9312003
	Standard Enclosure Assm. - S.S. - OBSOLETED Apr 2017	9312093

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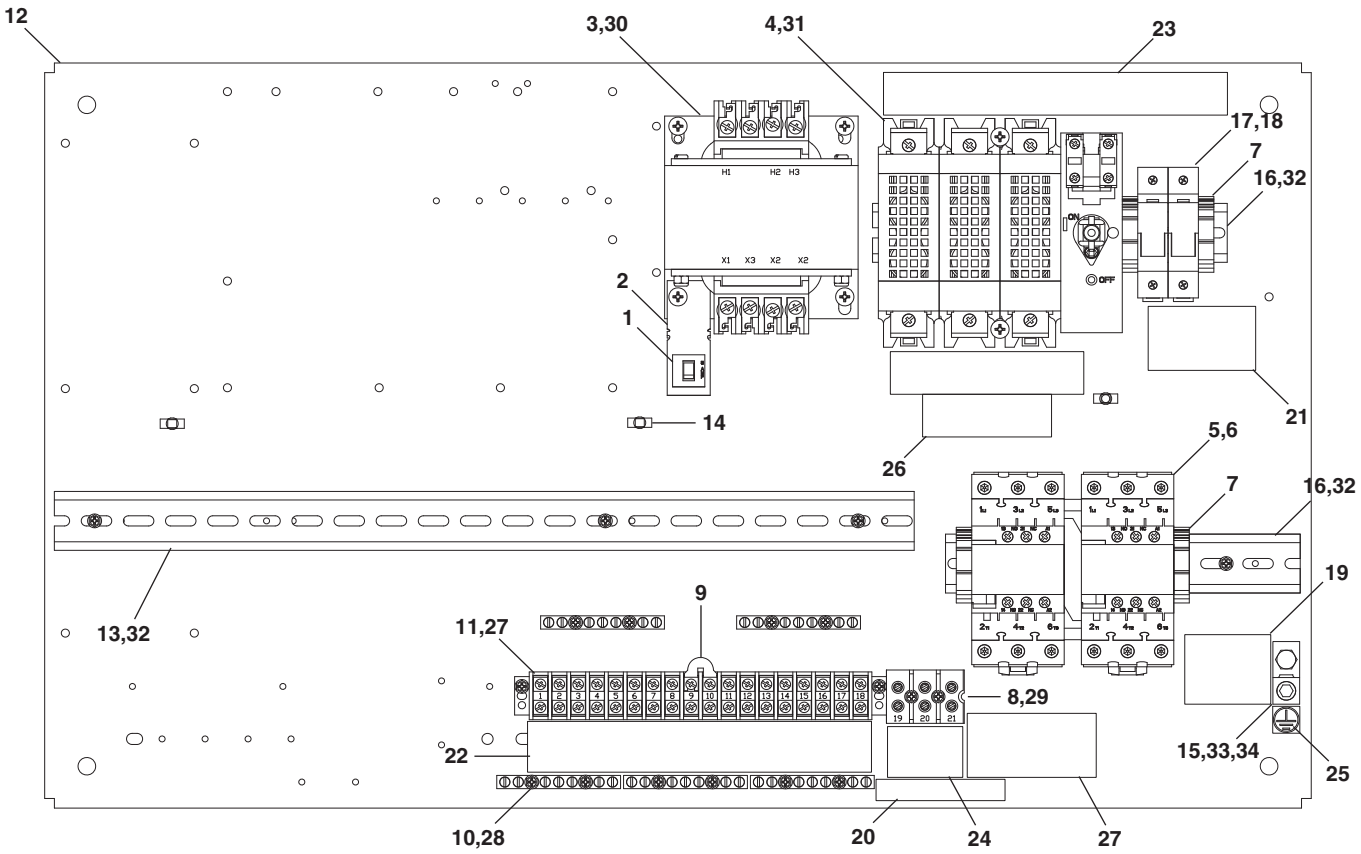


ITEM	DESCRIPTION	PART #
1	Fuse Block	03E1617
2	5 Amp Fuse	03E1678
3	Circuit Protector Reset Switch	03E1590
4	Reset Switch Bracket	OBSOLETED
5	Transformer	03E1540
6	Disconnect Switch Kit	OBSOLETED
7	Pump Safety Shield	OBSOLETED
8	Auxiliary Interlock	0314747
9	Reversing Contactor - 3 Phase 20HP 120V Coil	03E2777
10	Terminal Strip	0315121
11	Terminal Block Jumper	03E1644
12	Ground Lug	0315120
13	Terminal Strip	03E1561
14	Back Panel-Control Box	OBSOLETED
15	Din Rail	9311015
16	Wire Tie Holder	0994494
17	Rail Mount Socket	03E1650 *

ITEM	DESCRIPTION	PART #
18	Relay - 120 VAC	0314936 *
19	Contactor - 12A 3 Pole	03E2325 *
20	Suppressor - UL	03E2232 *
21	Terminal Strip - 10 Pos.	03E1649 *
22	Decal - Terminal Block - 10 Pos	OBSOLETED
23	Decal - Danger, Safety LIne Shield	0315928
24	Decal - Ground	0992925
25	Decal - Fuse Holder	0994455
26	Decal - Terminal Strip I.D.	0994458
27	Decal - Main Disconnect Fuse - 30 Amp	OBSOLETED
28	Decal - Copper Wire Only	0994836
29	Decal - 3 Position Terminal Strip	0995244
	30 Amp Back Panel Assembly	OBSOLETED

* These items located in Linear Install. Kit ..... OBSOLETED

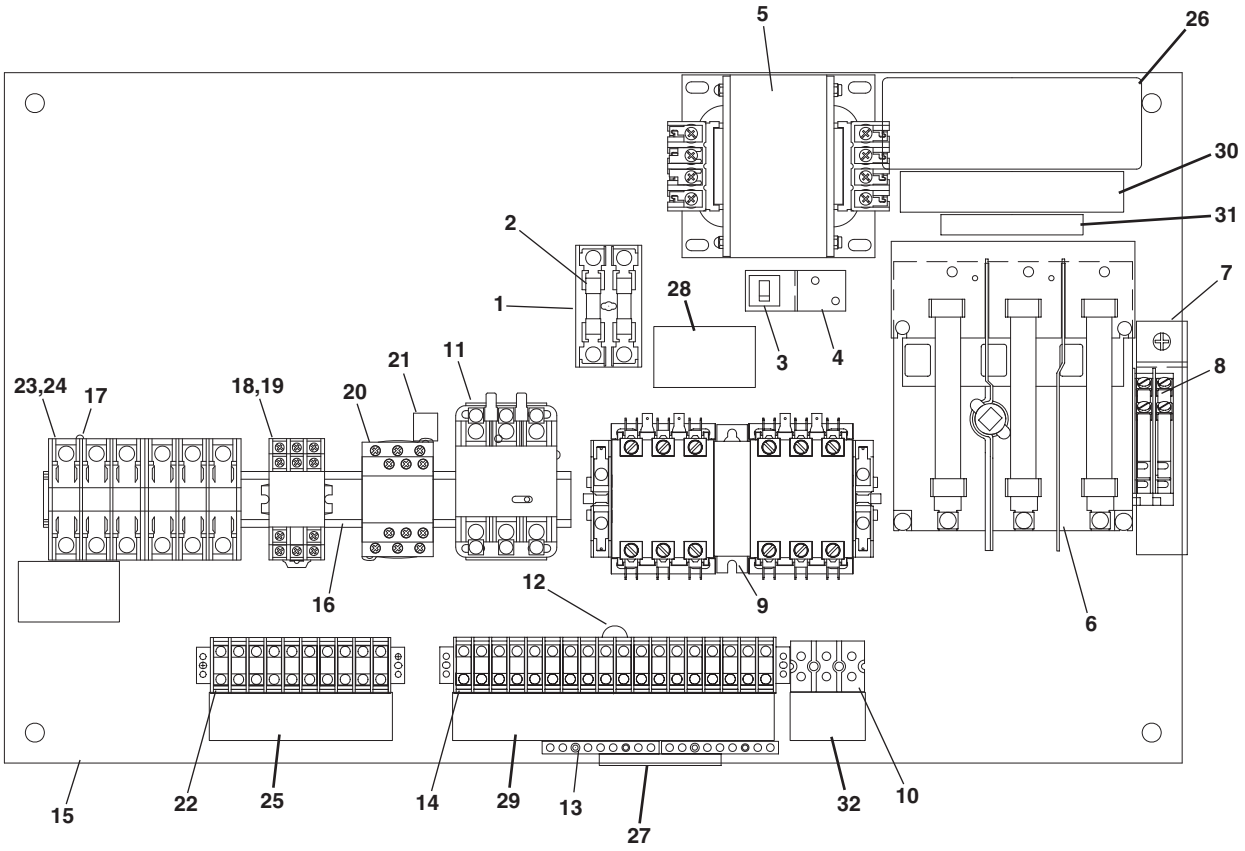
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ITEM	DESCRIPTION	PART #
1	Circuit Protector Reset Switch	03E1590
2	Reset Switch Bracket	9312044
3	Transformer	03E1540
4	Disconnect Switch Kit - 30 Amp	03E3450
5	Reversing Contactor - 40 Amp 120V Coil	03E3444
6	Suppressor	03E3464
7	Din Rail End Stop	03E2996
8	Terminal Strip	0315121
9	Terminal Block Jumper	03E1644
10	Ground Lug	0315120
11	Terminal Strip	03E1561
12	Back Panel	9312019
13	Din Rail - 20" Long	9312031
14	Wire Tie Holder	0994494
15	Ground Lug	03E3455
16	Din Rail - 8.25" Long	9312032
17	Fuseblock	03E3442
18	Fuse - 5 Amp, 600 V	03E1678

ITEM	DESCRIPTION	PART #
19	Decal - Grond Lug Torque	0998563
20	Decal - Ground	0992925
21	Decal - Fuse Holder	0994455
22	Decal - Terminal Strip I.D.	0994458
23	Decal - Danger - Main Power	0998440
24	Decal - 3 Position Terminal Strip	0995244
25	Decal - Ground Symbol	0998562
26	Decal - Main Disconnect Torque	0998460
27	Decal - Terminal Block Torque	0998450
28	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
29	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
30	#12 x 1/2" Sheet Metal Screw	0164231
31	1/4" x 3/4" Self-Tapping Screw	0164240
32	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
33	1/4" x 1/2" Cap Screw	0161059
34	1/4" Lock Nut	0133008
	30 Amp Back Panel Assembly - Deep	9312029

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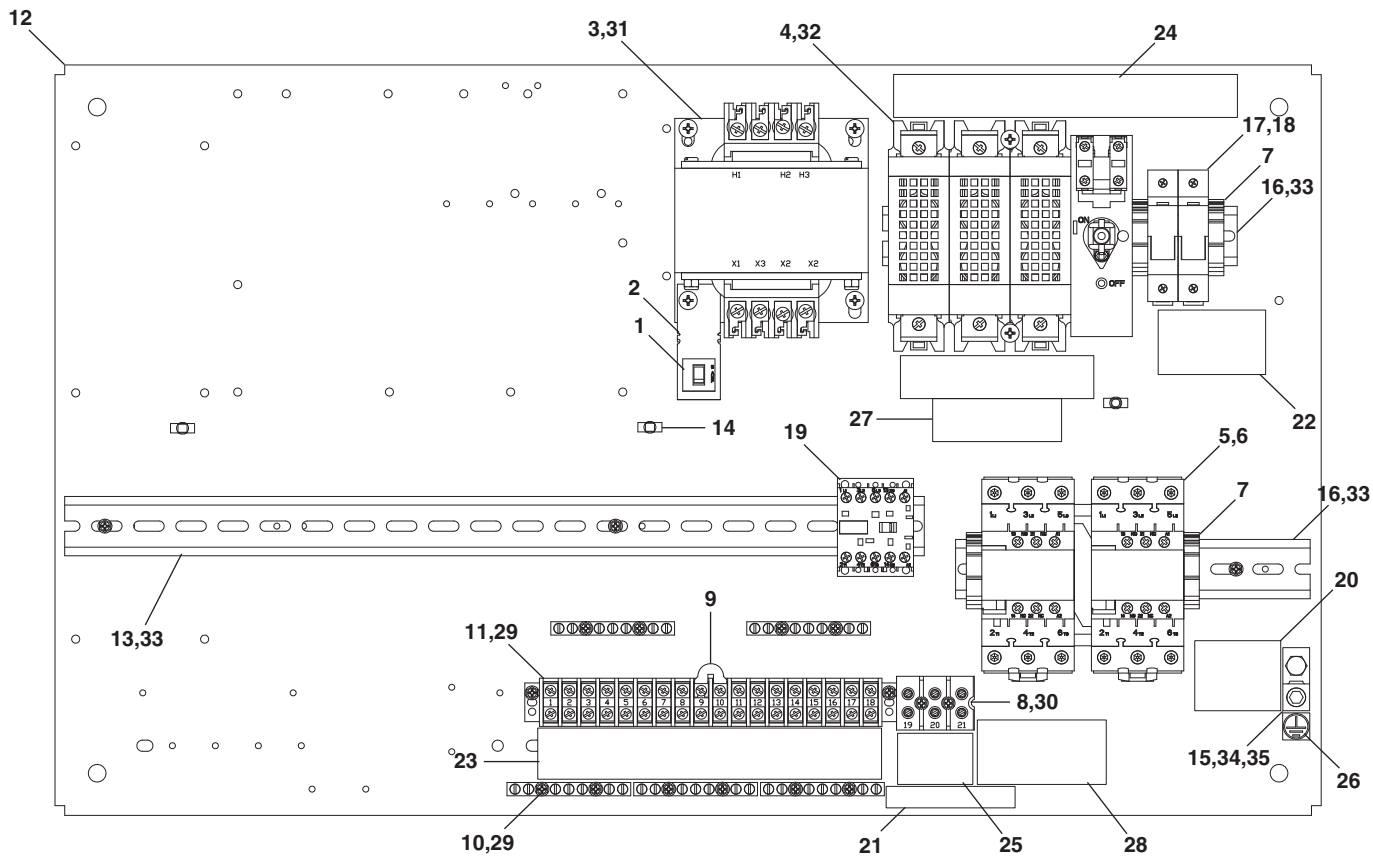


ITEM	DESCRIPTION	PART #
1	Fuse Block	03E1617
2	5 Amp Fuse	03E1678
3	Circuit Protector Reset Switch	03E1590
4	Reset Switch Bracket	OBSOLETED
5	Transformer	03E1540
6	Disconnect Switch Kit (Retrofit)	KA01766
	Disconnect Switch - DISCONTINUED Oct 18	0315460
	Fuse Clip Kit - OBSOLETED Oct 18	0315461
7	Pump Safety Shield	OBSOLETED
8	Auxiliary Interlock	0314747
9	Reversing Contactor - 3 Pole 50 Amp 120V	03E2776
10	Terminal Strip	0315121
11	Contactor Phase Loss	03E1849
12	Terminal Block Jumper	03E1644
13	Ground Lug	0315120
14	Terminal Strip	03E1561
15	Back Panel-Control Box	OBSOLETED
16	Dinrail Mount - 13.75" Long	9311015
17	Wire Tie Holder	0994494

ITEM	DESCRIPTION	PART #
18	Rail Mount Socket	03E1650 *
19	Relay - 120 VAC	0314936 *
20	Contactor - 12A 3 Pole	03E2325 *
21	Suppressor - UL	03E2232 *
22	Terminal Strip - 10 Pos.	03E1649 *
23	Fuseblock - 3 Pole	03E1735 *
24	Fuseblock Dinrail Adapter	03E1613 *
25	Decal - Terminal Block - 10 Pos.	OBSOLETED
26	Decal - Danger, Safety LIne Shield	0315928
27	Decal - Ground	0992925
28	Decal - Fuse Holder	0994455
29	Decal - Terminal Strip I.D.	0994458
30	Decal - Main Disconnect Fuse - 45 Amp	OBSOLETED
31	Decal - Copper Wire Only	0994836
32	Decal - 3 Position Terminal Strip	0995244
	45 Amp Back Panel Assembly	OBSOLETED

* These items located in 45A Linear Install. Kit ..... OBSOLETED

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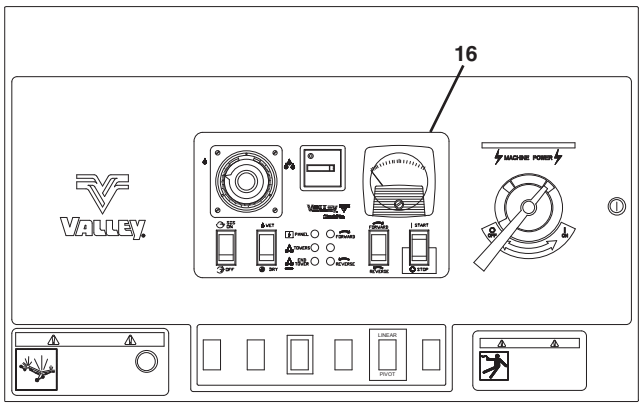


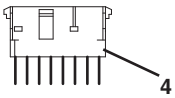
ITEM	DESCRIPTION	PART #
1	Circuit Protector Reset Switch	03E1590
2	Reset Switch Bracket	9312044
3	Transformer	03E1540
4	Disconnect Switch Kit - 60 Amp	03E3451
5	Reversing Contactor - 50 Amp 120V Coil	03E3454
6	Suppressor	03E3464
7	Din Rail End Stop	03E2996
8	Terminal Strip	0315121
9	Terminal Block Jumper	03E1644
10	Ground Lug	0315120
11	Terminal Strip	03E1561
12	Back Panel	9312019
13	Din Rail - 20" Long	9312031
14	Wire Tie Holder	0994494
15	Ground Lug	03E3455
16	Din Rail - 8.25" Long	9312032
17	Fuseblock	03E3442
18	Fuse - 5 Amp, 600 V	03E1678
19	Contactor - 20 Amp 3-Pole 480V Coil	03E3536

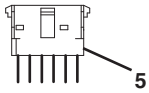
ITEM	DESCRIPTION	PART #
20	Decal - Grond Lug Torque	0998563
21	Decal - Ground	0992925
22	Decal - Fuse Holder	0994455
23	Decal - Terminal Strip I.D.	0994458
24	Decal - Danger - Main Power	0998440
25	Decal - 3 Position Terminal Strip	0995244
26	Decal - Ground Symbol	0998562
27	Decal - Main Disconnect Torque	0998460
28	Decal - Terminal Block Torque	0998450
29	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
30	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
31	#12 x 1/2" Sheet Metal Screw	0164231
32	1/4" x 3/4" Self-Tapping Screw	0164240
33	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
34	1/4" x 1/2" Cap Screw	0161059
35	1/4" Lock Nut	0133008
	45 Amp Back Panel Assembly - Standard	9312030

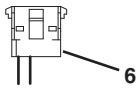
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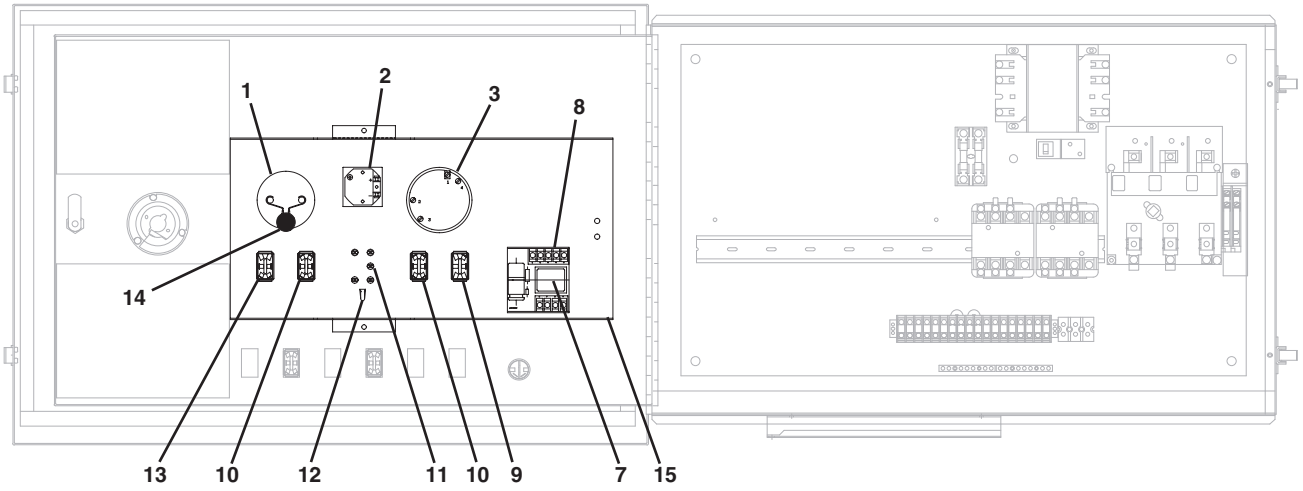
FRONT VIEW OF MODULE INSTALLED











ITEM	DESCRIPTION	PART #
1	Voltmeter	03E2193
2	Hourmeter	03E1562
3	Percent Timer	03E2035
*	Solid State Percentage Timer - 60 Sec.	03E1802
4	8 Circuit Cap Assembly	1813144
5	6 Circuit Cap Assembly	1813143
6	4 Circuit Cap Assembly	1813142
7	Cable Tie - 11" Long	0314834
8	Relay	0315559
	3 Second Delay	0315560
	Snap Track	0991422
	#6-32 Machine Screw - Flat Head	0164109
	#6 Nut	0134027

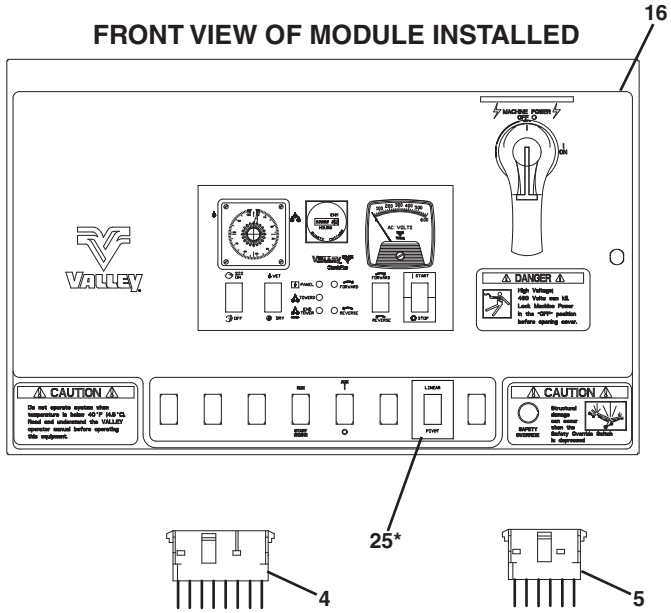
ITEM	DESCRIPTION	PART #
9	Rocker Switch 2 Tab S.P.D.T. 15A	03E1721
10	Rocker Switch 6 Tab D.P.D.T. 15A	03E1722
11	Indicator Lights (5 Required)	0314595
12	Connector	0315545
13	Rocker Switch Progressive Circuit D.P. 15A	03E1723
14	Transient Voltage Suppressor 550V	03E2069
15	Mechanical Module Mount Bracket	9310001
16	Mechanical Module Bracket Overlay	03E1567

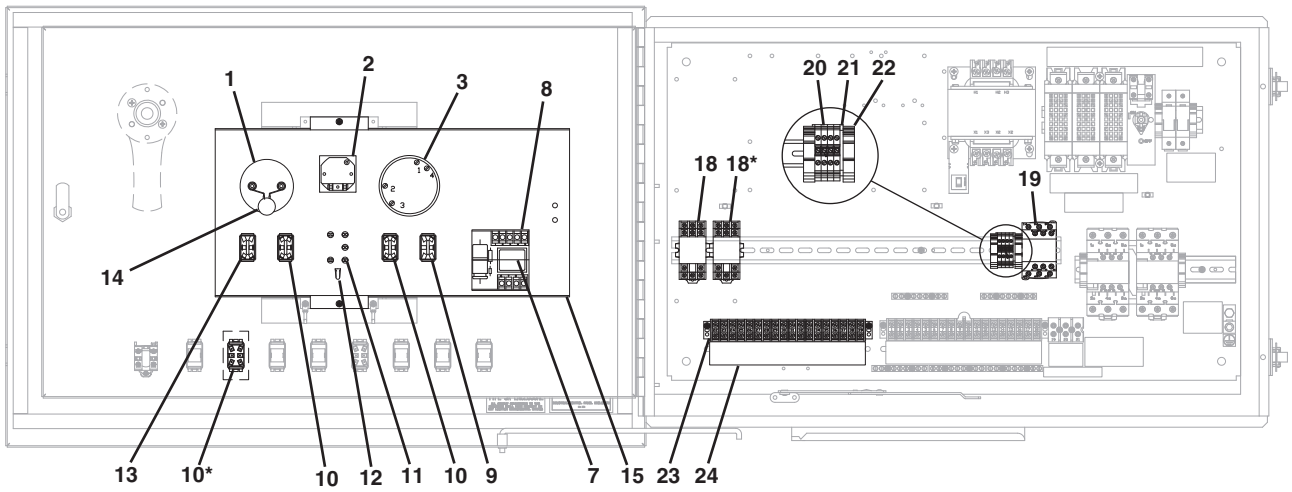
COMPLETE ClassicPlus Module Assembly **9312035**

*** NOTE: Can be modified for a 15, 30 or 120 second range.**

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FRONT VIEW OF MODULE INSTALLED





ITEM	DESCRIPTION	PART #
1	Voltmeter	03E2193
	Vinyl Cap	0314754
2	Hourmeter	03E1562
3	*Solid State Percentage Timer - 60 Sec.	03E1802
4	8 Circuit Cap Assembly	1813144
5	6 Circuit Cap Assembly	1813143
6	4 Circuit Cap Assembly	1813142
7	Cable Tie - 11" Long	0314834
8	Relay	0315559
	3 Second Delay	0315560
	Snap Track	0991422
	#6-32 x 1/4" Machine Screw - Phillips Head	0164207
	#6 Nut	0134027
9	Rocker Switch 2 Tab S.P.D.T. 15A	03E1721
10	Rocker Switch 6 Tab D.P.D.T. 15A	03E1722
11	Indicator Lights (5 Required)	0314595
12	Connector	0315545
13	Rocker Switch - Progressive Circuit D.P. 15A	03E1723
14	Transient Voltage Suppressor 550V	03E2069
15	Mechanical Module Mount Bracket	9310001
16	Mechanical Module Bracket Overlay	03E1567

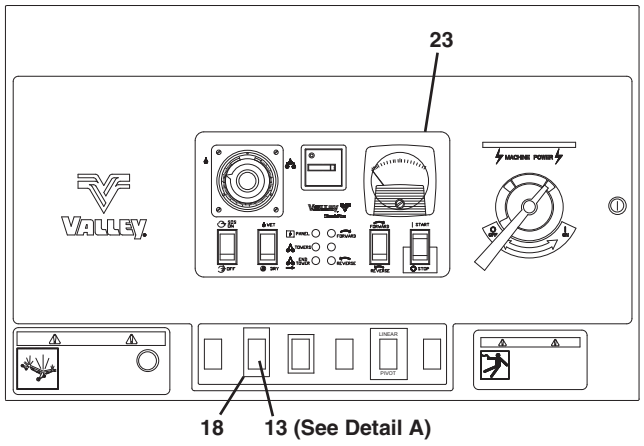
ITEM	DESCRIPTION	PART #
17	Wire Tie	03E1605
18	Relay - 3PDT 120V AC	0314936
	Relay Socket - 3PDT	03E1650
19	Contactor - 3-Pole 12 Amp	03E2325
	Suppressor	03E3546
20	Terminal Strip - Din Rail	03E2994
	Terminal Jumper - 4-Pole	03E2999
21	Terminal End Cover - Din Rail	03E2995
22	End Stop - Din Rail	03E2996
23	Terminal Strip - 18 Pos.	03E1561
	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
24	Decal - Terminal Strip I.D. Pos. 22-39	0998885
25	Decal - Swing Around Lin. - OBSOLETED Apr 17	0994576
	ClassicPlus Module Assembly	9312035

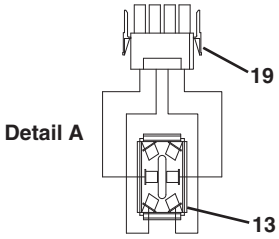
Can be modified for a 15, 30 or 120 second range.

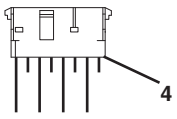
*NOTE: Addiditional Relay (item 18) & Rocker Switch (item 10) along with Swing Around Linear Decal (item 25) for Swing Around Option ONLY.

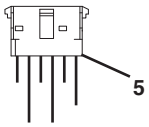
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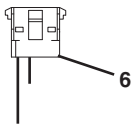
FRONT VIEW OF MODULE INSTALLED

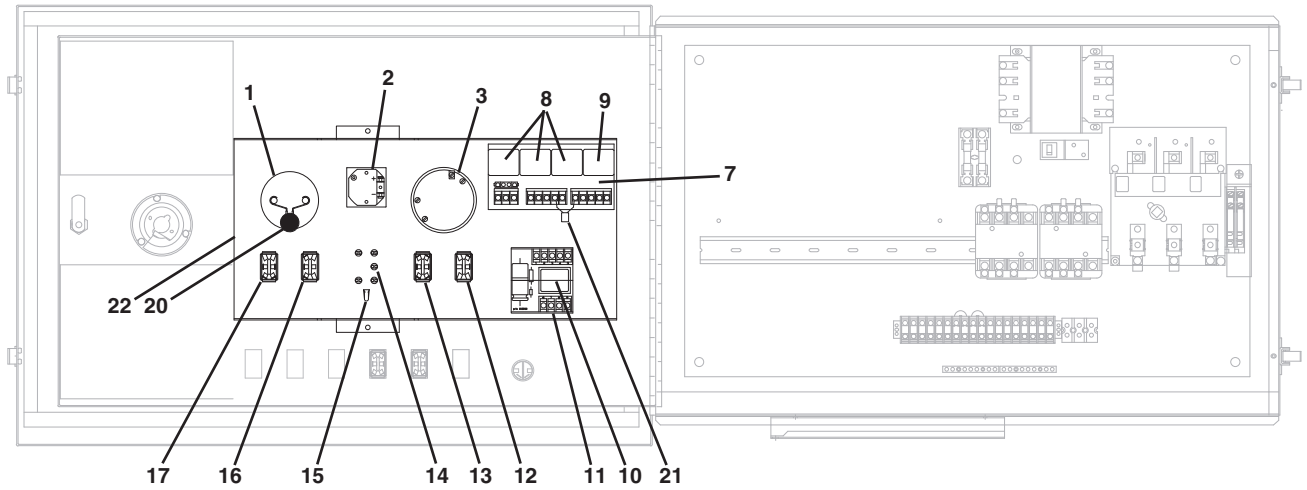












ITEM	DESCRIPTION	PART #
1	Voltmeter	03E2193
2	Hourmeter	03E1562
3	Percent Timer	03E2035
	* Solid State Percentage Timer - 60 Sec	03E1802
4	8 Circuit Harness	1814468
5	6 Circuit Cap Assembly	1813143
6	4 Circuit Cap Assembly	1813142
7	Auto Reverse PCB	03E1595
	Snap Track	0991587
	#6-32 Machine Screw - Flat Head	0164109
	#6 Nut	0134027
8	Relay	0314936
	Relay Hold Down Spring	03E1641
9	Relay	0314815
	Relay Hold Down Spring	03E1640
10	Cable Tie	0314834
11	Relay	0315559
	3 Second Delay	0315560
	Snap Track	0991422
	#6-32 Machine Screw - Flat Head	0164109
	#6 Nut	0134027

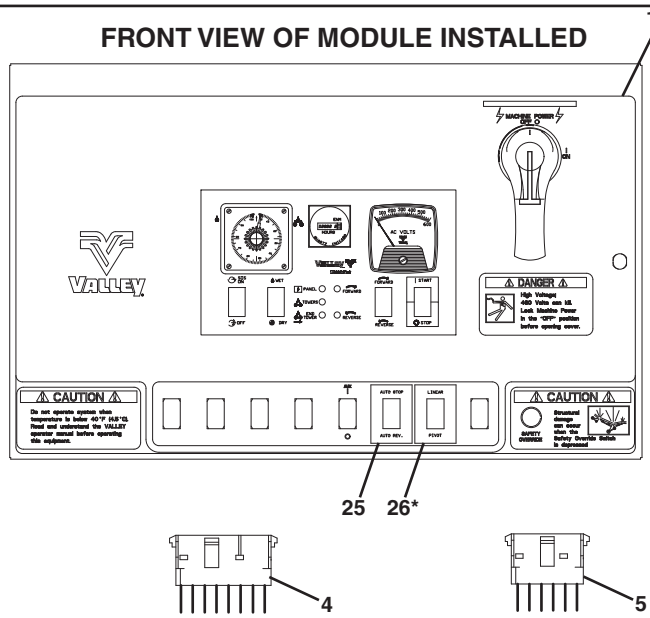
ITEM	DESCRIPTION	PART #
12	Rocker Switch 2 Tab S.P.D.T. 15A	03E1721
13	Rocker Switch 6 Tab D.P.D.T. 15A	03E1722
14	Indicator Lights	0314595
15	Connector	0315545
16	Rocker Switch 3 Tab S.P.D.T. 15A	03E1720
17	Rocker Switch Progressive Circuit	03E1723
18	A.R.A.S. Decal	0999569
19	A.R.A.S. Harness	1813227
20	Transient Voltage Suppressor 550V	03E2069
21	Suppressor	03E2232
22	Mechanical Module Mount Bracket	9310001
23	Mechanical Module Bracket Overlay	03E1567

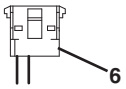
COMPLETE ClassicPlus A.R.A.S. Module Assy..... 9312036

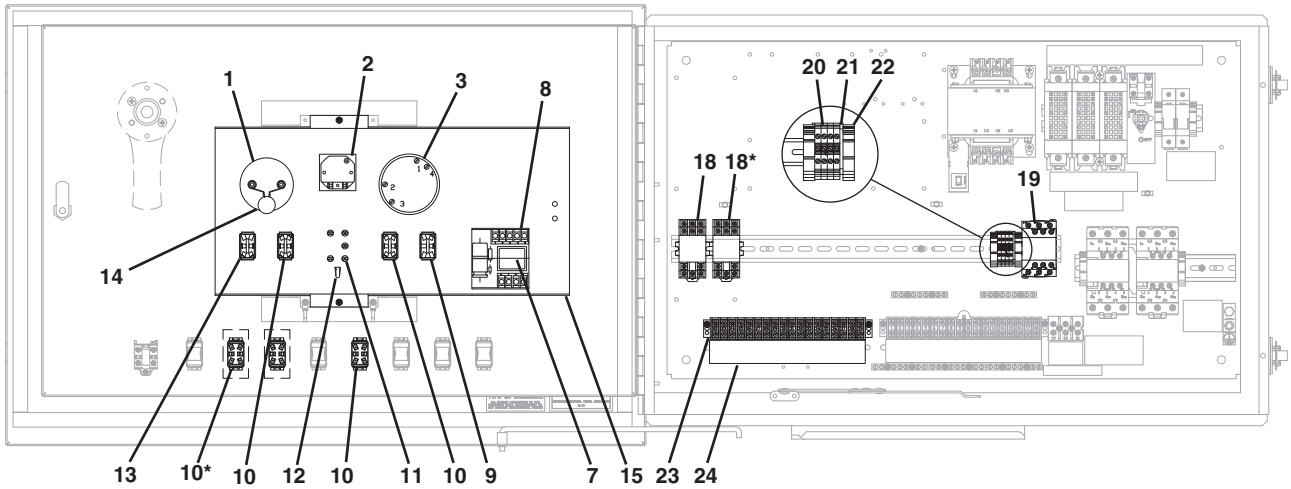
*** NOTE: Can be modified for a 15, 30, 60, or 120 second range.**

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FRONT VIEW OF MODULE INSTALLED





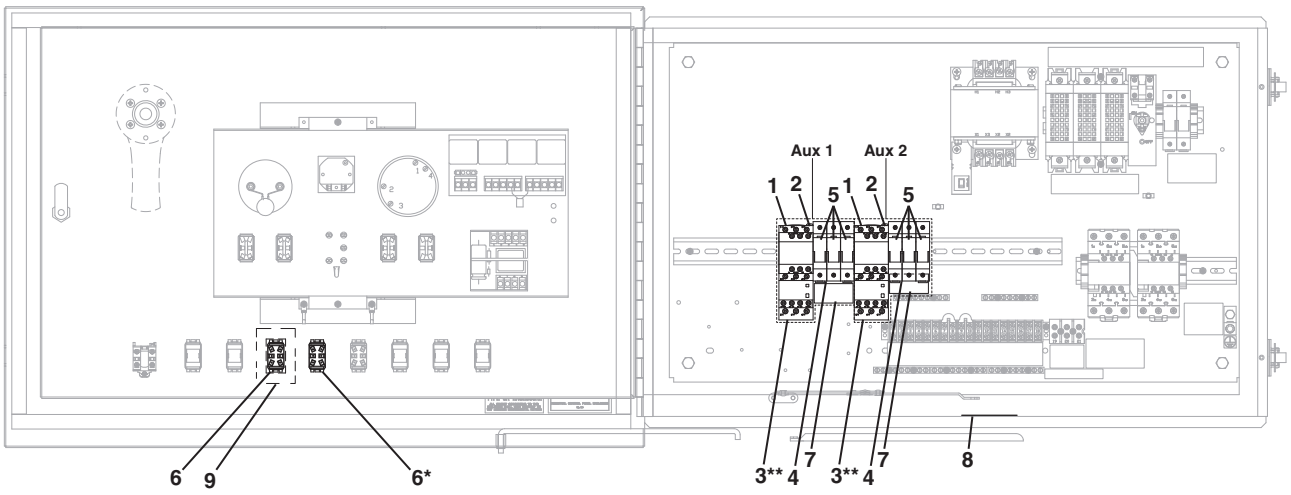


ITEM	DESCRIPTION	PART #
1	Voltmeter	03E2193
	Vinyl Cap	0314754
2	Hourmeter	03E1562
3	*Solid State Percentage Timer - 60 Sec.	03E1802
4	8 Circuit Cap Assembly	1813144
5	6 Circuit Cap Assembly	1813143
6	4 Circuit Cap Assembly	1813142
7	Cable Tie - 11" Long	0314834
8	Relay	0315559
	3 Second Delay	0315560
	Snap Track	0991422
	#6-32 x 1/4" Machine Screw - Phillips Head	0164207
	#6 Nut	0134027
9	Rocker Switch 2 Tab S.P.D.T. 15A	03E1721
10	Rocker Switch 6 Tab D.P.D.T. 15A	03E1722
11	Indicator Lights (5 Required)	0314595
12	Connector	0315545
13	Rocker Switch - Progressive Circuit D.P. 15A	03E1723
14	Transient Voltage Suppressor 550V	03E2069
15	Mechanical Module Mount Bracket	9310001
16	Mechanical Module Bracket Overlay	03E1567

ITEM	DESCRIPTION	PART #
17	Wire Tie	03E1605
18	Relay - 3PDT 120V AC	0314936
	Relay Socket - 3PDT	03E1650
19	Contactor - 3-Pole 12 Amp	03E2325
	Suppressor	03E3546
20	Terminal Strip - Din Rail	03E2994
	Terminal Jumper - 4-Pole	03E2999
21	Terminal End Cover - Din Rail	03E2995
22	End Stop - Din Rail	03E2996
23	Terminal Strip - 18 Pole	03E1561
	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
24	Decal - Terminal Strip I.D. Pos. 22-39	0998885
25	A.R.A.S. Decal	0999569
26	Decal - Swing Around Lin. - OBSOLETED Apr 17	0994576
	ClassicPlus Module w/ A.R.A.S. Assembly	9312036
	Can be modified for a 15, 30, 60, or 120 second range.	

***NOTE: Addiditional Relay (item 18) & Rocker Switch (item 10) along with Swing Around Linear Decal (item 26) for Swing Around Option ONLY.**

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ITEM	DESCRIPTION	PART #
1	Contactor - 3 Pole 12A	03E2325
2	Suppressor	03E3546
3	Overload Relay - 0.63-1.00A	03E2324
	- 1.00-1.60A	03E2323
	- 1.60-2.50A	03E2322
	- 2.50-4.00A	03E2321
	- 4.00-6.00A	03E2320
4	Fuse Block - 3 Pole	03E3443
5	Fuse - 8 Amp 600V Class CC	03E1620
6	Rocker Switch - 6 Tab D.P.D.T.	03E1722
7	Decal - 8 Amp Fuse Replacement	0998946
8	Decal - Auxiliary Control	0994569
9	Decal - Auxiliary 2 On-Off (from Decal Sheet 9310125) (OBSOLETED Apr 2017)	

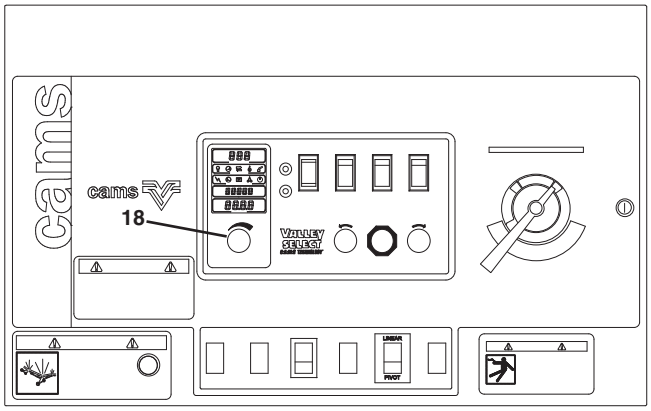
Auxiliary w/Overload Relay Kit - 0.63-1.00A	KA01612
- 1.00-1.60A	KA01613
- 1.60-2.50A	KA01614
- 2.50-4.00A	KA01615
- 4.00-6.00A	KA01616

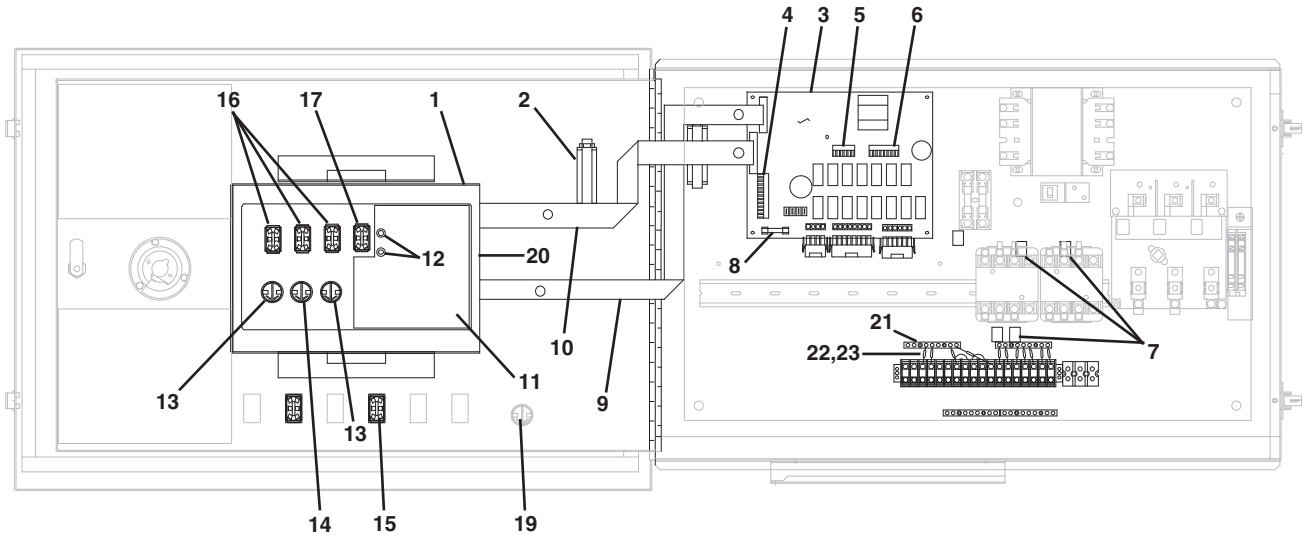
* NOTE: Auxiliary 1
** NOTE: Choose the Overload Relay to meet your requirements.

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PRIOR to July 2008

FRONT VIEW OF MODULE

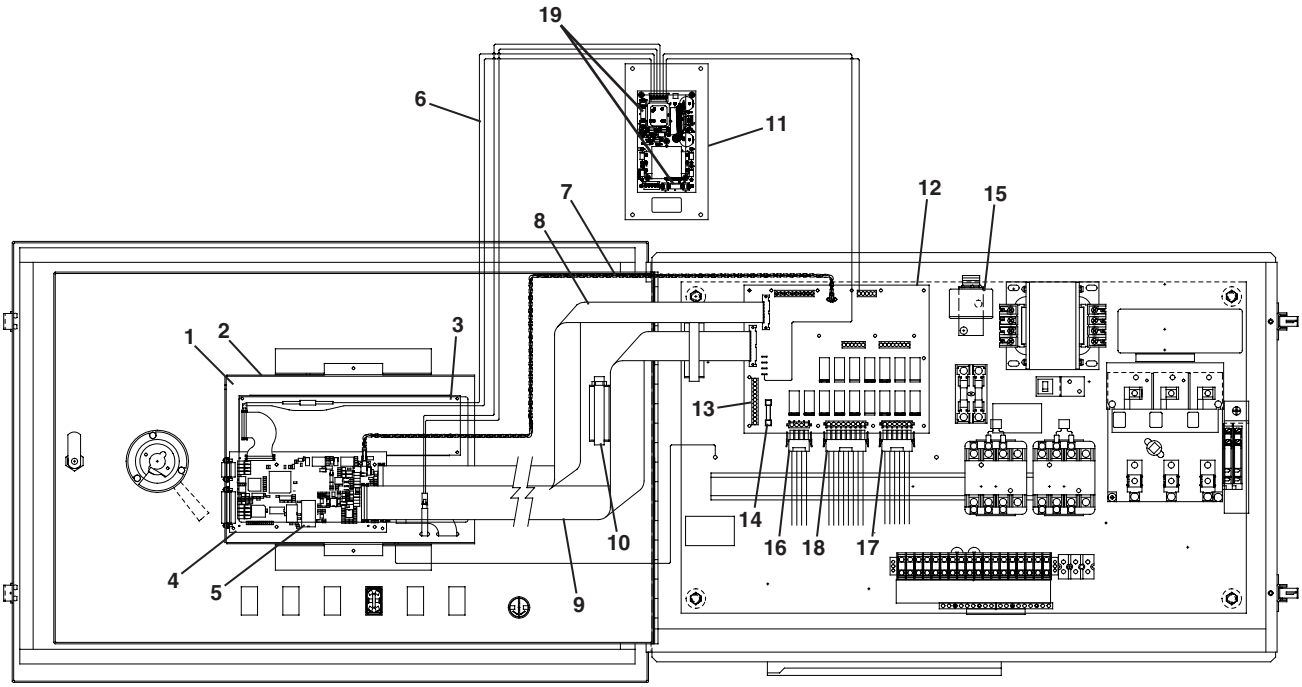




ITEM	DESCRIPTION	PART #
1	Select Module Assm. (Boxed)(OBSOLETE)	KA01329
2	Ribbon Cable Clamp	0315840
3	Relay Board (Boxed)	03E2300
4	Terminal Strip 12 Plug	03E1612
5	Terminal Strip 6 Plug	03E1611
6	Terminal Strip 8 Plug	03E0496
7	Suppressor	0315663
8	2 Amp Fuse	03E1669
9	20 Conductor Ribbon Cable	1813249
10	26 Conductor Ribbon Cable	1812846
11	Select PCB (Boxed)(OBSOLETE)	931K794
12	Push Button Switch (Momentary) (OBSOLETE)	1813358
13	Push Button Switch	03E1679
14	Push Button Switch	03E1564
15	Rocker Switch 6 Tab D.P.D.T. 15A	03E1722
16	Rocker Switch 2 Tab S.P.S.T. 15A	03E1721
17	Rocker Switch 3 Tab S.P.D.T. 15A	03E1720
18	Aluminum Knob -1/4" Shaft	03E1707
19	Switch Pushbutton D.P.D.T.(Safety Override)	03E2224
	Contact Block Only (Service Part)	03E2222
20	Decal-Part Number/Serial Number	03E1884
21	Ground Lug	0315120
22	Transient Voltage Suppressor, 250V	03E1782
23	Insulating Tubing 15/16" Long	03E1788
	Select Module Display Lamp (Service)	03E2226

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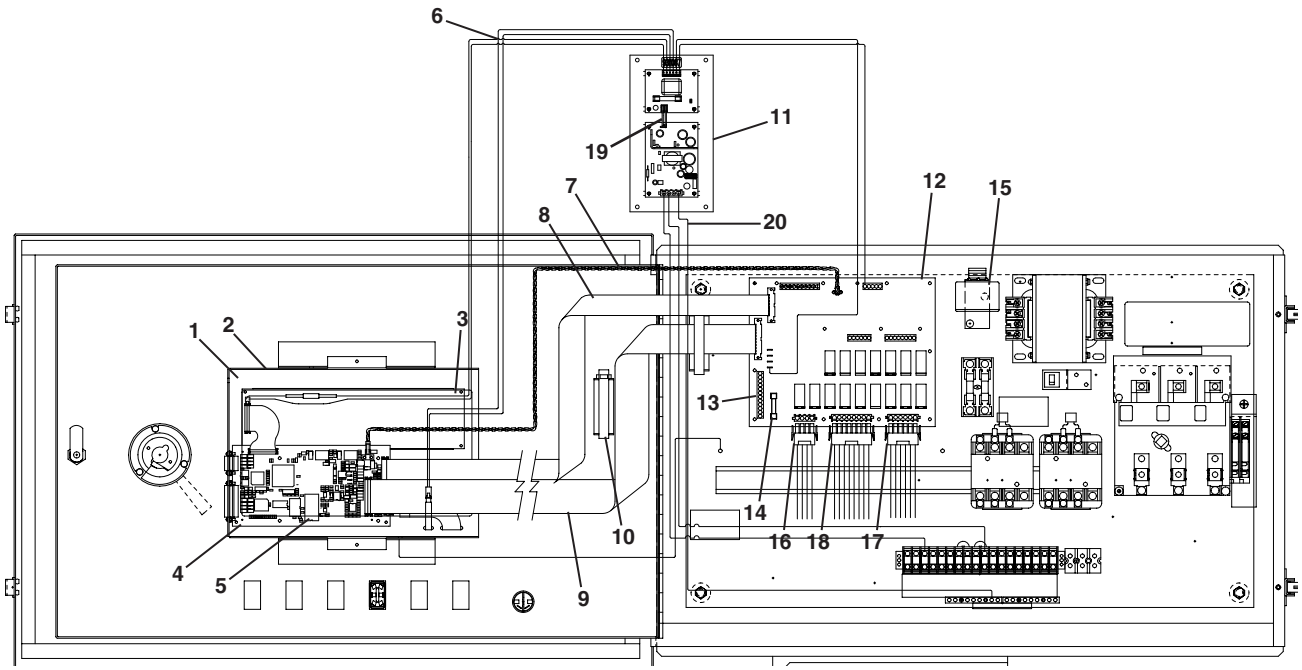
PRIOR to May 2007



ITEM	DESCRIPTION	PART #
1	CAMS Pro2 Module Kit w/o Lighted Keypad (In Shipping Box)	KA09546
	CAMS Pro2+ Module Kit (In Shipping Box)	KA01589
2	CAMS Pro2 Keypad w/ Contrast	03E2274
3	4 x 40 LCD Display w/ Backlight & Contrast	03E2275
4	Pro2+ PCB	03E3510
	CAMS Pro2 PCB - DISCONTINUED May 2013	03E2277
5	CAMS Pro2 Real Time Clock	03E2289
6	Backlight Power Supply Harness	9311037
7	CAMS Pro2 Power Harness - 12V	1814255
8	Ribbon Cable Assm. - 20 Position	1813249
9	Ribbon Cable Assm. - 26 Position	1812846
10	Ribbon Cable Clamp	0315840
11	Pro2 Dual Backlight Power Supply	03E2318
12	Select/Pro Relay Board with I/O	03E2300
13	Terminal Strip	03E1612
14	Fuse, 2 Amp - Time Delay - 250V	03E2315
15	Lightning and Surge Arrestor	0315605
	Lightning Arrestor Bracket	1702384
16	4 Circuit Plug, Sockets, Wires	1813160
17	6 Circuit Plug, Sockets, Wires	1813161
18	8 Circuit Plug, Sockets, Wires	1813162
19	3/4 Amp Fuse, 250V	0314824

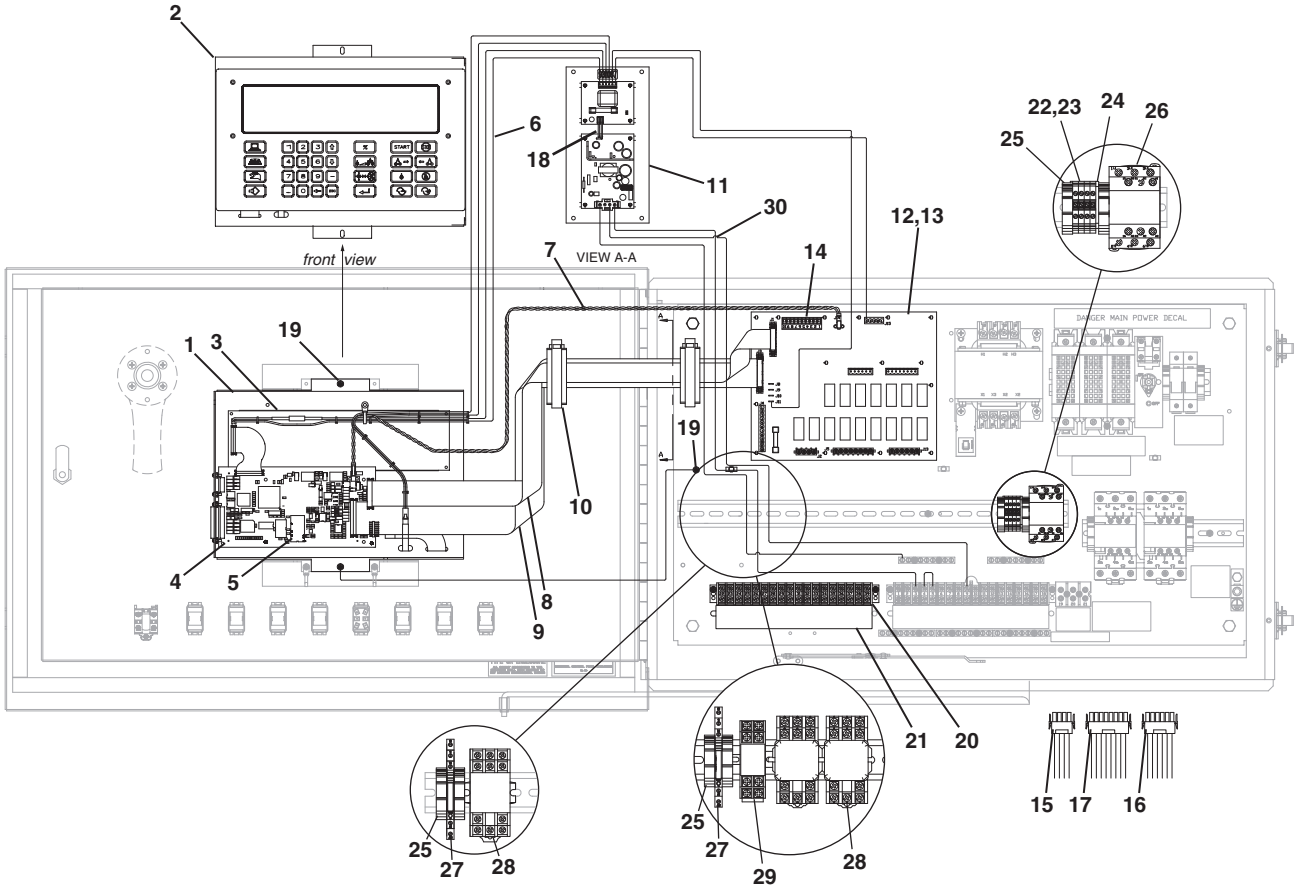
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EFFECTIVE
June 2007



ITEM	DESCRIPTION	PART #
1	AutoPilot Plus Module (In Shipping Box)	KA01591
2	AutoPilot Keypad w/ Contrast	03E2637
3	4 x 40 LCD Display w/ Backlight & Contrast	03E2275
4	Pro2+ PCB	03E3510
5	CAMS Pro2 Real Time Clock	03E2289
6	Backlight Power Supply Harness	9311037
7	CAMS Pro2 Power Harness - 12V	1814255
8	Ribbon Cable Assm. - 20 Position	1813249
9	Ribbon Cable Assm. - 26 Position	1812846
10	Ribbon Cable Clamp	0315840
11	Pro2 Backlight Dual Power Supply	9311087
12	Select/Pro Relay Board with I/O	03E2300
13	Terminal Strip	03E1612
14	Fuse, 2 Amp - Time Delay - 250V	03E2315
15	Lightning and Surge Arrestor	0315605
	Lightning Arrestor Bracket	1702384
16	4 Circuit Plug, Sockets, Wires	1813160
17	6 Circuit Plug, Sockets, Wires	1813161
18	8 Circuit Plug, Sockets, Wires	1813162
19	3/4 Amp Fuse, 250V	0314824
20	Pro2 Backlight Dual Power Supply Harness Assm.	9311781

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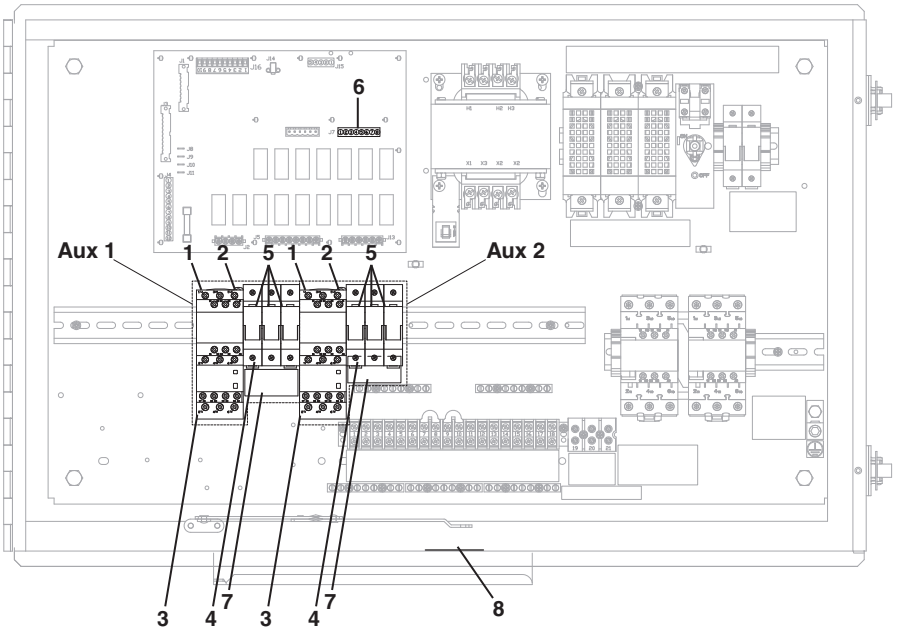
COMPONENTS FOR STANDARD AUTOPILOT

COMPONENTS FOR SWING-AROUND AUTOPILOT

ITEM	DESCRIPTION	PART #
1	AutoPilot+ Module Kit (In Shipping Box)	KA01591
2	AutoPilot Keypad w/ Contrast	03E2637
3	4 x 40 LCD Display w/ Backlight & Contrast	03E2275
4	Pro2+ PCB	03E3510
	CAMS Pro2 PCB - DISCONTINUED May 2013	03E2277
5	CAMS Pro2 Real Time Clock	03E2289
6	Backlight Power Supply Harness	9311037
7	CAMS Pro2 Power Harness - 12V	1814255
8	Ribbon Cable Assm. - 20 Position	1813249
9	Ribbon Cable Assm. - 26 Position	1812846
10	Ribbon Cable Clamp	0315840
11	Pro2 Backlight Dual Power Supply	9311087
12	Select/Pro Relay Board with I/O (Boxed)	03E2300
13	Snap-In Spacer	03E0412
14	Terminal Strip Plug - 10 Pole	03E1985
15	4 Circuit Plug, Sockets, Wires	1813160
16	6 Circuit Plug, Sockets, Wires	1813161
17	8 Circuit Plug, Sockets, Wires	1813162

ITEM	DESCRIPTION	PART #
18	3/4 Amp Fuse, 250V	0314824
19	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
20	Terminal Strip - 18 Pole	03E1561
	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
21	Decal - Terminal Strip I.D. Pos. 22-39	0998885
22	Terminal Strip - Din Rail	03E2994
23	Terminal Jumper - 4 Pole	03E2999
24	Terminal End Cover - Din Rail	03E2995
25	End Stop - Din Rail	03E2996
26	Contactor - 3 Pole 12A	03E2325
27	Relay w/Suppressor - 120VAC	03E2881
28	Relay - 3PDT 120V AC	0314936
	Relay Socket - 3PDT 10A 300V	03E1650
29	Relay DPDT - 10A 12V DC	03E2564
	Relay Socket - 2 Pole 10A 300V	03E2107
30	Pro2 Backlight Dual Power Supp. Harness Assm.	9311781

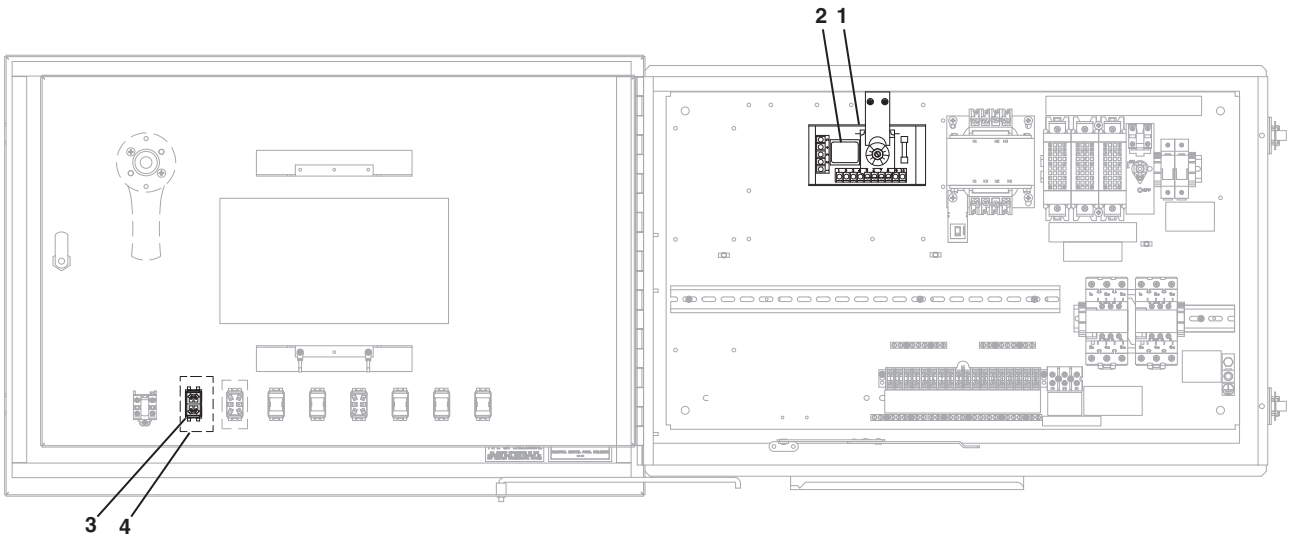
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ITEM	DESCRIPTION	PART #
1	Contactor - 3 Pole 12A	03E2325
2	Suppressor	03E3546
3	Overload Relay - 0.63-1.00A	03E2324
	- 1.00-1.60A	03E2323
	- 1.60-2.50A	03E2322
	- 2.50-4.00A	03E2321
	- 4.00-6.00A	03E2320
4	Fuse Block - 3 Pole	03E3443
5	Fuse - 8 Amp 600V Class CC	03E1620
6	Terminal Strip - 8 Pole	03E0496
7	Decal - 8 Amp Fuse Replacement	0998946
8	Decal - Auxillary Control (on bottom of lip below switch)	0994569
	Auxiliary w/Overload Relay Kit - 0.63-1.00A	KA01617
	- 1.00-1.60A	KA01618
	- 1.60-2.50A	KA01619
	- 2.50-4.00A	KA01620
	- 4.00-6.00A	KA01621

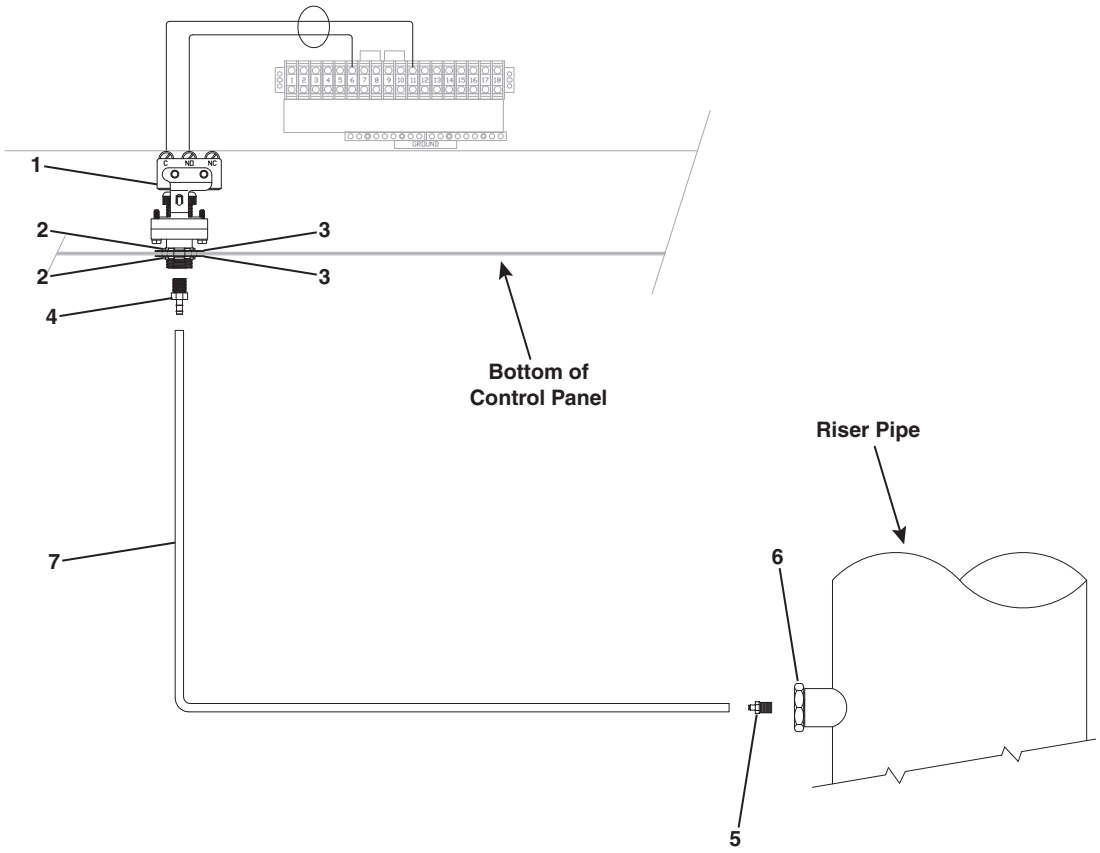
***NOTE: Choose the Overload Relay to meet your requirements.**

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ITEM		DESCRIPTION	PART #
1	or	Voltage Monitor	0314975
		Adjustable Voltage Monitor - OBSOLETED Feb 2017	03E2731
		Low Voltage Indicator	0315580
		Snaptrack	0991587
		Voltage Monitor Bracket	1702049
		#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
		Warranty Sealant	0315084
2		Relay - 120V AC	0314815
3		Split Panel Light - 125V (Amber/Red)	03E2030
4		Decal - Power/Safety - OBSOLETED Apr 2017	0996010

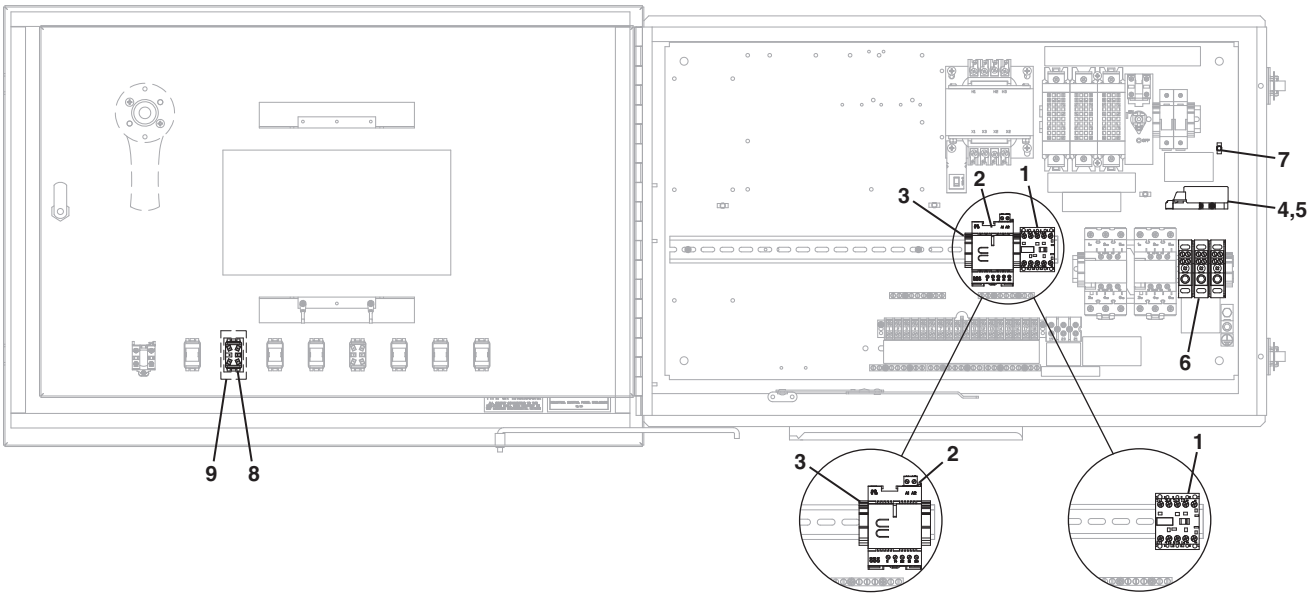
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ITEM	DESCRIPTION	PART #
1	Pressure Switch - High Range (3-90 psi)	03E1606
	Pressure Switch - Low Range (.6-15 psi)	0315994
2	1/2" Romax Nut	0314160
3	Reducer Washer - 1.00" to .50"	0143046
4	Connector - Tube to Male Pipe - 1/8" NPT x 1/4" Tubing	0232362 *
5	Connector - 1/4" NPT x 1/4" Tube	0232366 *
6	Reducer - 3/4" x 1/4" Plastic	0244046 *
7	Nylon Tubing - .304" OD x .19" ID x 10' Long	1704093 *

*1/4" Tubing and Fitting Kit.....KA09721

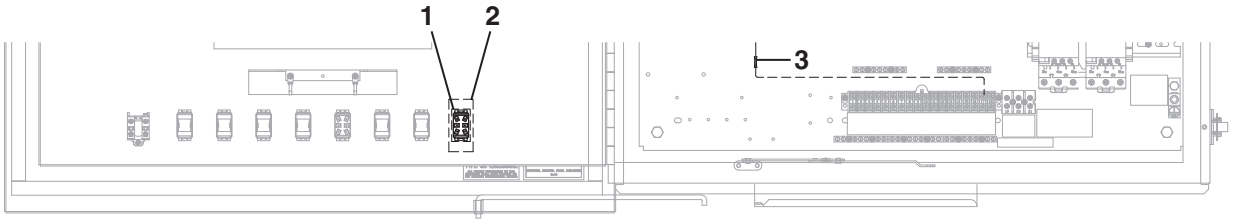
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ITEM	DESCRIPTION	PART #
1	Contactor - Phase Loss 480V Coil	03E3536
2	Ground Fault Relay - 110-130V	03E3110
3	Din Rail End Stop	03E2996
4	Ground Fault Sensor	03E3109*
5	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355*
6	Power Distribution Block - 3 Pole	03E3441*
7	Wire Tie Holder	0994494*
8	Illuminated Rocker Switch	03E3116
9	Decal - Ground Fault Reset/Test - OBSOLETED Apr 2017	0998099

***NOTE: Items used in conjunction with Ground Fault Relay (item 2).**

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End Gun Test / Auto / Off Kit

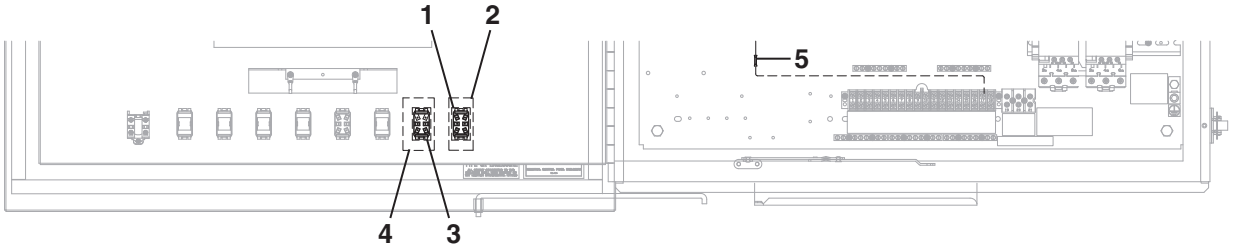
ITEM	DESCRIPTION	PART #
1	Rocker Switch - Progressive Circuit	03E1723
2	Decal - End Gun Test/Auto/Off - OBSOLETED Apr 2017	0994508
3	Butt Splice Wire Connector	03E1266

End Gun Auto / Off / Override On Kit

ITEM	DESCRIPTION	PART #
1	Rocker Switch - On/Off/On	03E1983
2	Decal - E.G. Auto/Off/Override On - OBSOLETED Apr 17	0997243
3	Butt Splice Wire Connector	03E1266

End Gun Sequence Selection 1 or 2 Kit

ITEM	DESCRIPTION	PART #
1	Rocker Switch - 6 Tab D.P.D.T.	03E1722
2	Decal - End Gun Sequence Selector	0995238
3	Butt Splice Wire Connector	03E1266



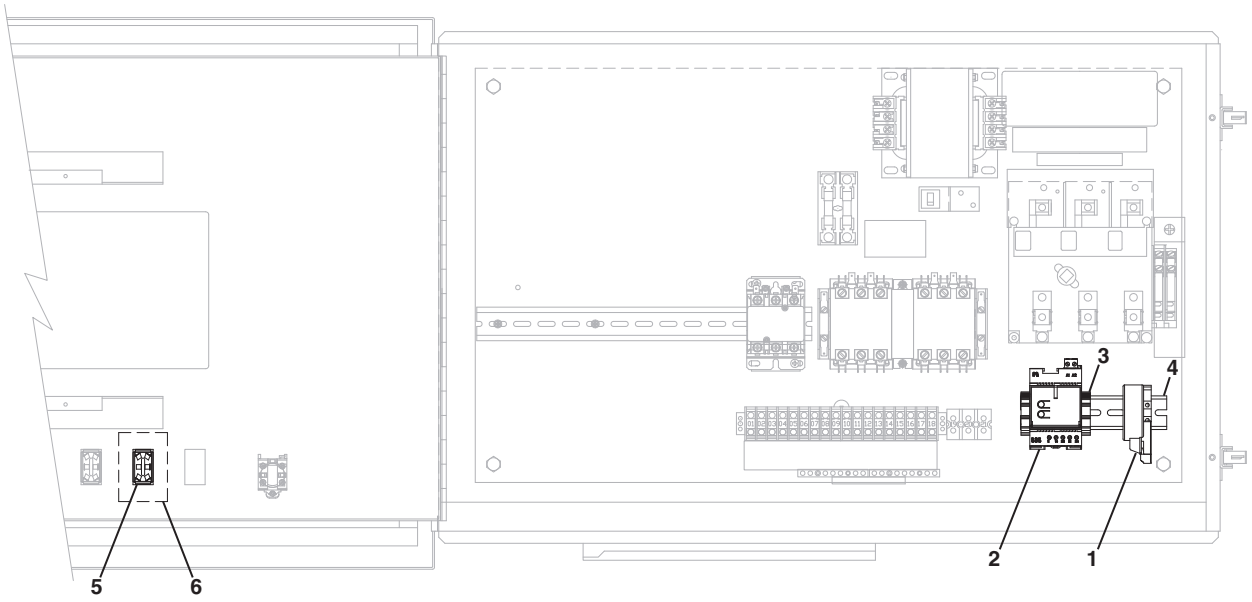
End Gun Sequence / Auto / Test Kit

ITEM	DESCRIPTION	PART #
1	Rocker Switch - 6 Tab D.P.D.T.	03E1722
2	Decal - End Gun Sequence Selector Language Sheet	0999660
3	Rocker Switch - Progressive Circuit	03E1723
4	Decal - End Gun Test/Auto/Off Language Sheet	0999658
5	Butt Splice Wire Connector	03E1266

End Gun Sequence Auto / Off / Override On Kit

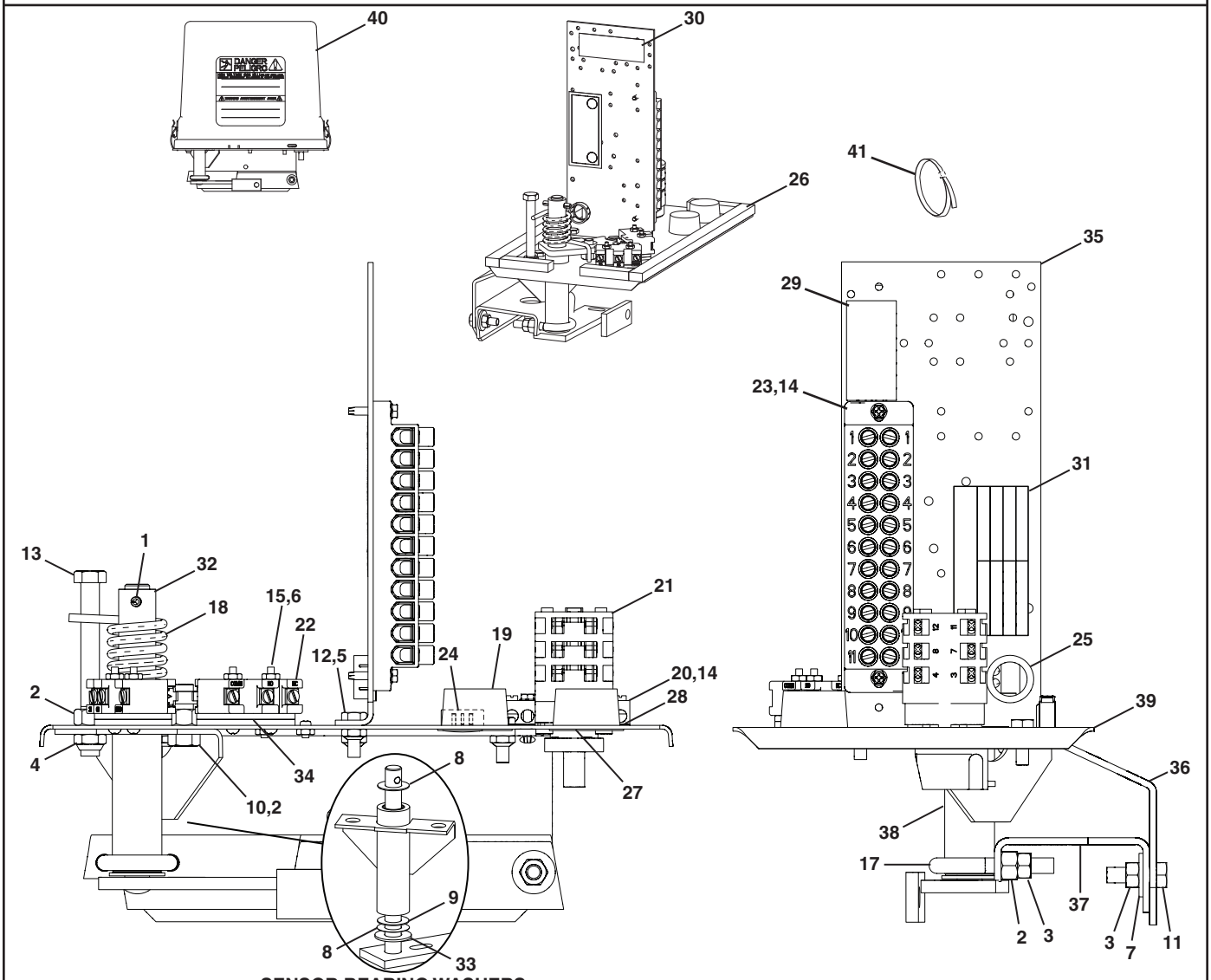
ITEM	DESCRIPTION	PART #
1	Rocker Switch - 6 Tab D.P.D.T.	03E1722
2	Decal - End Gun Sequence Selector	0995238
3	Rocker Switch - On/Off/On	03E1983
4	Decal - E.G. Auto/Off/Override On - OBSOLETED Apr 17	0997243
5	Butt Splice Wire Connector	03E1266

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ITEM	DESCRIPTION	PART #
1	Ground Fault Sensor	03E3109
2	Ground Fault Relay	03E3110
3	Din Rail End Stop	03E2996
4	Din Rail Mount - 5" Long	9310693
5	Illuminated Rocker Switch	03E3116
6	Ground Fault Reset/Test Switch Decal - OBSOLETED Apr 17	0998099

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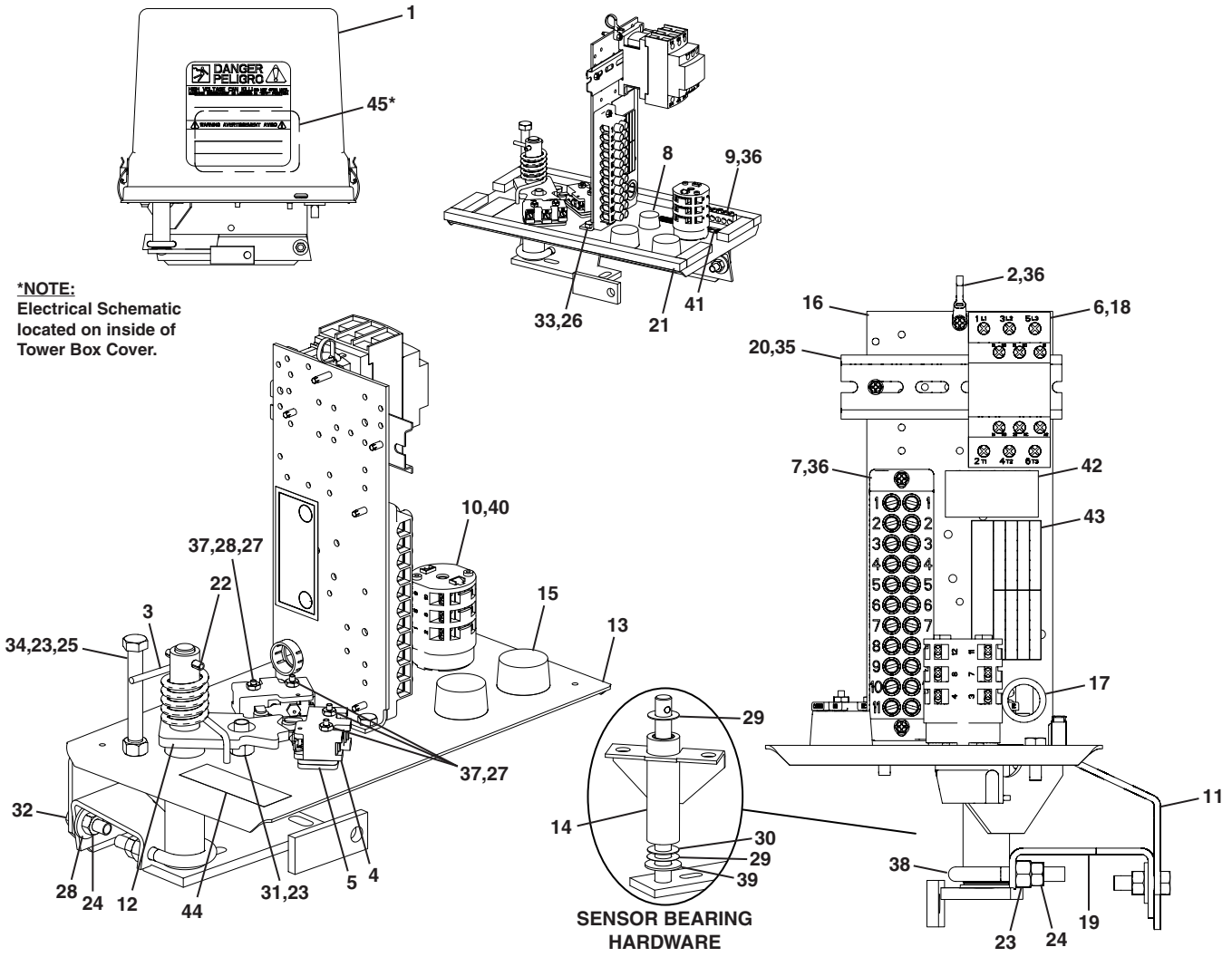


SENSOR BEARING WASHERS

ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/8" Hex Nut	0131018
3	5/16" Hex Nut	0131019
4	3/8" Lock Nut	0133006
5	1/4" Lock Nut	0133008
6	#6 Hex Nut	0134027
7	5/16" Flat Washer	0142017
8	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
9	Flat Washer .010 x .512 x .996 - Stainless Steel	0143066
10	3/8" x 1" Cap Screw	0161045
11	5/16" x 1" Cap Screw	0161052
12	1/4" x 3/4" Cap Screw	0161057
13	3/8" x 3-1/2" Long Cap Screw	0161150
14	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
15	#6 x 1-1/4" Machine Screw - Round Head	0164054
16	#6 x 1/2" Machine Screw - Pan Head Phillips	0164188
17	5/16" U-Bolt	0176049
18	Spring	0181046
19	Caplug 15X	0261010
20	Ground Lug	0315120
21	Disconnect Switch	0315746
22	Micro Switch - Minimum Travel	03E0307

ITEM	DESCRIPTION	PART #
23	Terminal Block	03E1899
24	Snap Button Hole Plug	03E2166
25	Snap Bushing	0992070
26	Gasket Kit	0992071
27	Decal - Disconnect	0992090
28	Decal - Ground	0992925
29	Decal - Power Supply	0994149
30	Decal - 3R Enclosure	0996403
32	Decal - Terminal Block Torque Copper Wire	0998450
33	Switch Pivot Arm Assembly	1701262
34	Sensor Arm Washer	1701269
35	Sensor Base Insulator	1701632
36	Vertical Bracket	1702053
37	Mounting Plate	1702054
38	Sensor Bearing Support Bracket	1702294
39	Sensor Bearing Assembly w/Bushings	1703336
40	Bottom Plate w/3 Microswitched	1703823
41	Electric Tower Box Cover - UL	9311146
42	Wire Tie	0314225
	Centerfeed Tower Box Assm.	1811433

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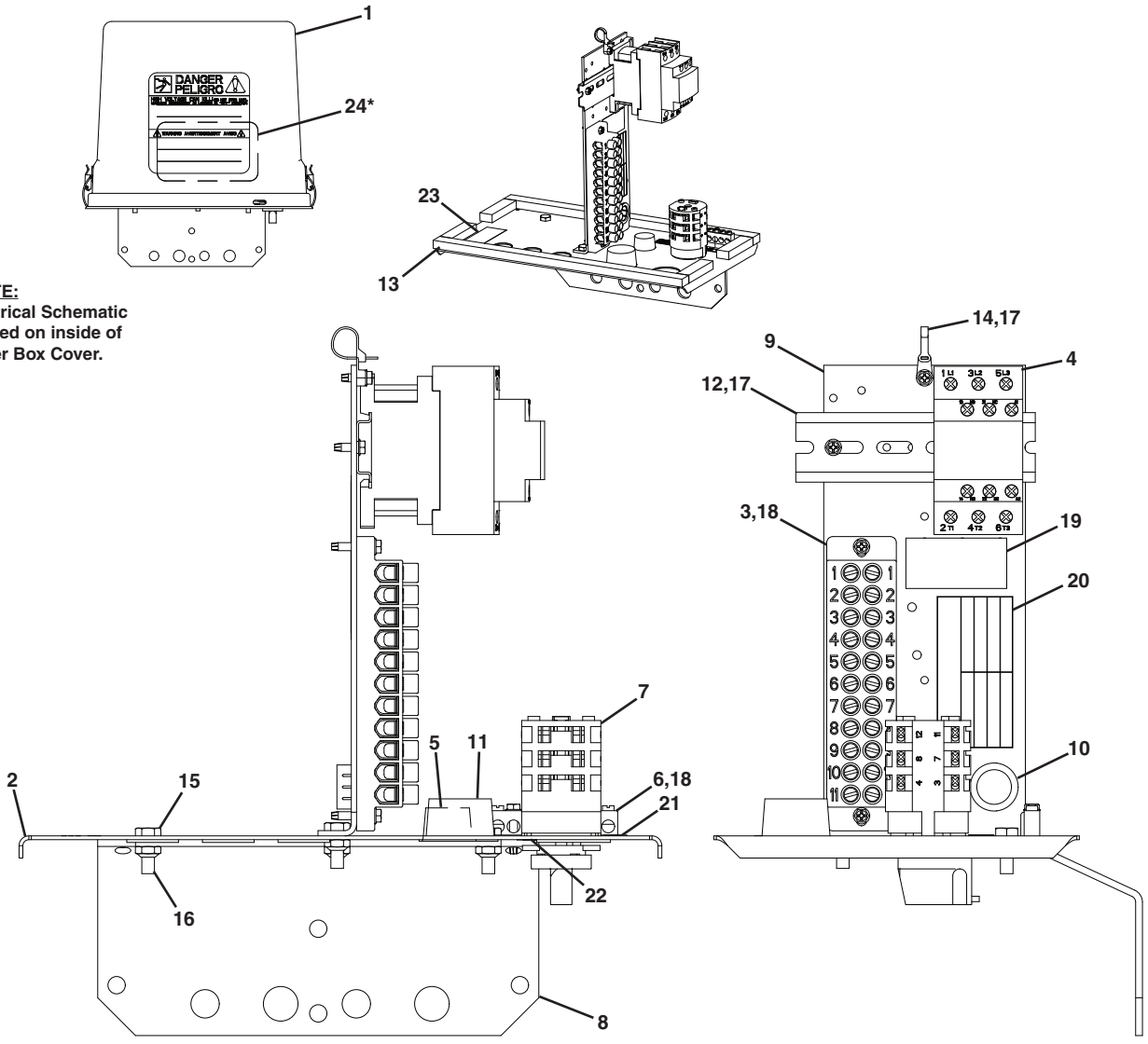
*NOTE:
Electrical Schematic located on inside of Tower Box Cover.

SENSOR BEARING HARDWARE

ITEM	DESCRIPTION	PART #
1	Electric Tower Box Cover - UL	9311146
2	Harness Tie	0314793
3	Spring	0181046
	Spring - Long Center Pivot Box - OBSOLETED Dec 16	0181082
4	Adjustable Micro-Switch	03E0307
5	Insulator	1701632
6	3 Pole Contactor - 25A 120V (Boxed)	03E3785
7	Terminal Block	03E1899
8	Caplug #12	0261008
9	Grounding Lug	0315120
10	6-Pole Disconnect - Pre-Wired	03E1597
11	Mounting Plate	1702054
12	Switch Pivot Arm Assembly	1701262
13	Bottom Plate	1702055
14	Sensor Bearing Assembly w/Bushings	1703336
15	Caplug #15	0261010
16	Vertical Plate	1702053
17	Snap Bushing	0992070
18	Suppressor	03E3546
19	Sensor Bearing Bracket	1702294
20	Dinrail Mount Channel - 4.75"	9312033
21	Gasket Kit	0992071
22	3/16" x 1-1/4" Roll Pin	0111017
23	3/8" Nut	0131018
24	5/16" Hex Nut	0131019

ITEM	DESCRIPTION	PART #
25	3/8" Lock Nut	0133006
26	1/4" Lock Nut	0133008
27	#6 Hex Nut	0134027
28	#6 Flat Washer .049 x .156 x .375	0142074
29	Washer .030 x .510 x .968 - Stainless Steel	0143047
30	Washer .010 x .512 x .996 - Stainless Steel	0143066
31	3/8" x 1" Cap Screw	0161045
32	5/16" x 1" Cap Screw	0161052
33	1/4" x 3/4" Cap Screw	0161057
34	3/8" x 3-1/2" Long Cap Screw	0161150
35	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
36	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
37	#6 x 1-1/4" Machine Screw - Round Head	0164054
38	5/16" x 1" U-Bolt	0176049
39	Sensor Arm Washer	1701269
40	Decal - Disconnect	0992090
41	Decal - Ground	0992925
42	Decal - Power Supply	0994149
43	Decal - Terminal Block Torque Copper Wire	0998450
44	Decal - 3R Enclosure	0996403
45	Decal - Electrical Schematic	0997153
	Intermediate Tower Box Assm.	1812442
	Intermediate Tower Box Assm. (Modified)	1811698

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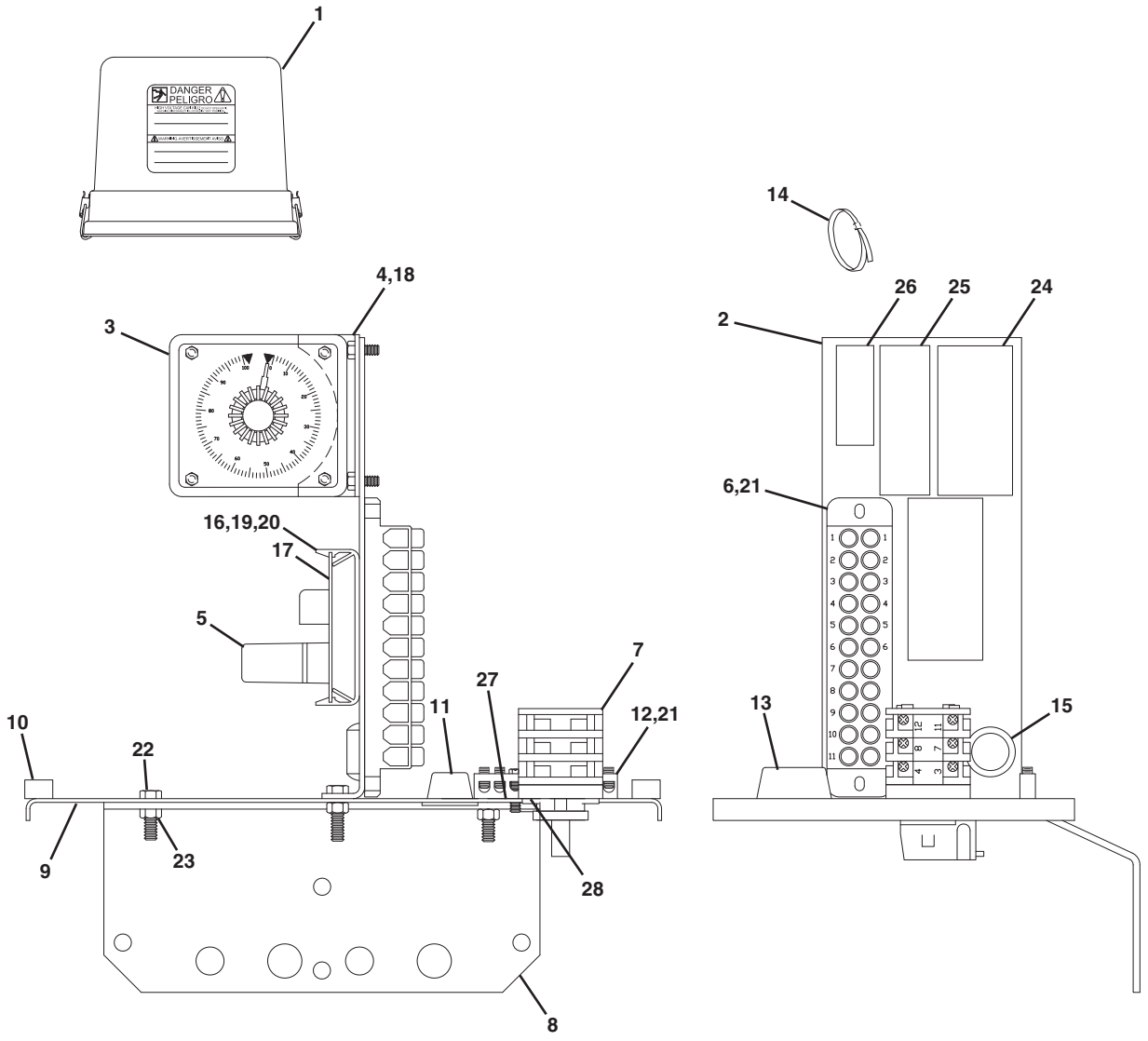


***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.

ITEM	DESCRIPTION	PART #
1	Electric Tower Box Cover - UL	9311146
2	Bottom Plate	1702216
3	Terminal Block	03E1899
4	3 Pole Contactor - 25A 120V (Boxed)	03E3785
5	Caplug #12	0261008
6	Grounding Lug	0315120
7	Disconnect Switch	0315746
8	Mounting Plate	1702054
9	Vertical Plate	1702053
10	Snap Bushing	0992070
11	Caplug #15 (1 Req'd)	0261010
12	Din Rail Mount Channel - 4.75" Long	9312033
13	Gasket Kit	0992071

ITEM	DESCRIPTION	PART #
14	Harness Tie	0314793
15	1/4" x 3/4" Cap Screw	0161057
16	1/4" Lock Nut	0133008
17	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
18	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
19	Decal - Power Supply	0994149
20	Decal - Terminal Block Torque Copper Wire	0998450
21	Decal - Ground	0992925
22	Decal - Disconnect	0992090
23	Decal - 3R Enclosure	0996403
24	Decal - Electrical Schematic	0997152
	COMPLETE Last Tower Box Assm.	**1811363**

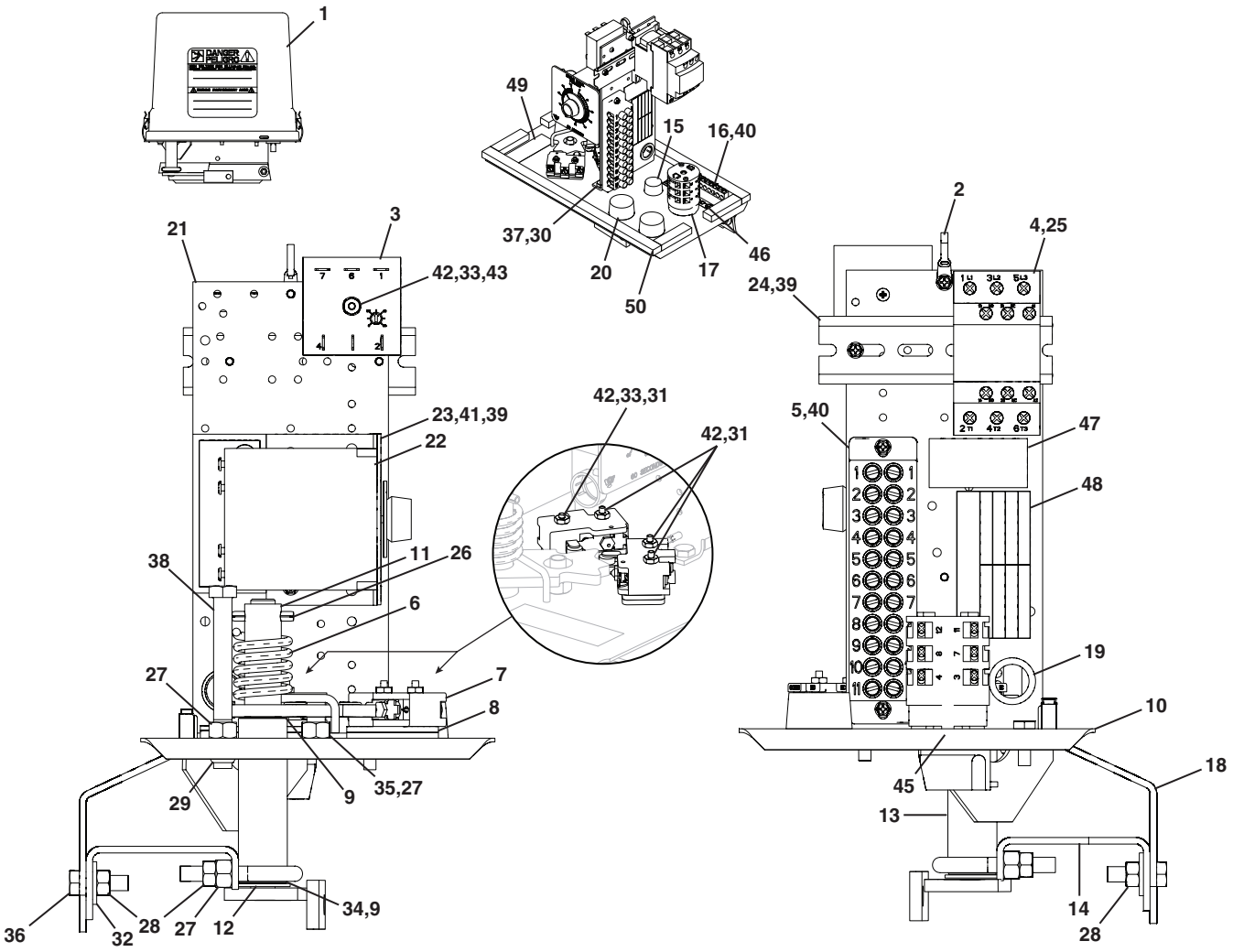
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ITEM	DESCRIPTION	PART #
1	Electric Tower Box Cover - UL	9311146
2	Vertical Plate	1702053
3	Percent Timer	03E2035
4	Bracket	1750504
5	4 Pole Relay - 120V	0314610
6	Terminal Block	03E1899
7	Disconnect Switch	0315746
8	Mounting Plate	1702054
9	Bottom Plate	1702216
10	Gasket Kit	0992071
11	Caplug #12	0261008
12	Grounding Lug	0315120
13	Caplug #15	0261010
14	Harness Tie	0314225
15	Snap Bushing	0992070
16	Snaptrack Mounting Channel - 2"	0314833

ITEM	DESCRIPTION	PART #
17	Isolation Relay Board PCB	0314830
18	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
19	#8 x 1/2" Machine Screw - Round Head	0164042
20	#8 Hex Nut	0134023
21	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
22	1/4" x 3/4" Cap Screw	0161057
23	1/4" Lock Nut	0133008
24	Decal - Terminal Torque	0998450
25	Decal - 3R Enclosure	0996403
26	Decal - Circuit Supply UL	0994149
27	Decal - Ground	0992925
28	Decal - Dicsonnect	0992090
	Slowdown Timer Box Assm.	1811757

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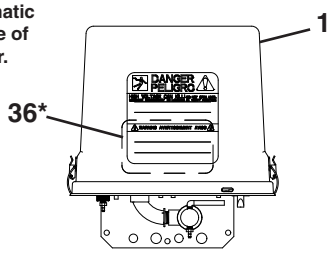


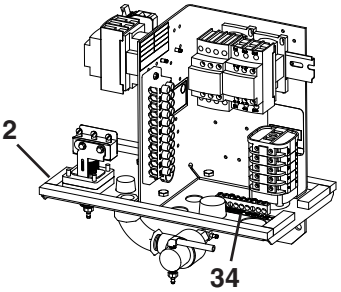
ITEM	DESCRIPTION	PART #
1	Electric Tower Box Cover - UL	9311146
2	Harness Tie	0314793
3	Overwatering Delay Timer	03E3232
4	3-Pole Contactor - 25A 120V (Boxed)	03E3785
5	Terminal Block	03E1899
6	Spring	0181046
7	Micro Switch	03E0307
8	Insulator	1701632
9	Washer .030 x .510 x .968 - Stainless Steel	0143047
10	Bottom Plate	1702055
11	Switch Pivot Arm Assembly	1701262
12	Washer - Plastic	1701269
13	Sensor Bearing Assembly w/Bushings	1703336
14	Sensor Bearing Bracket	1702294
15	Caplug #12	0261008
16	Grounding Lug	0315120
17	6-Pole Disconnect - Pre-Wired	03E1597
18	Mounting Plate	1702054
19	Snap Bushing	0992070
20	Caplug #15 (2 Req'd)	0261010
21	Vertical Plate	1702053
22	Percent Timer	03E2695
23	Percent Timer Bracket	1750504
24	Din Rail Mount Channel - 4.75" Long	9312033
25	Suppressor	03E3546
26	3/16" x 1-1/4" Roll Pin	0111017

ITEM	DESCRIPTION	PART #
27	3/8" Hex Nut	0131018
28	5/16" Hex Nut	0131019
29	3/8" Lock Nut	0133006
30	1/4" Lock Nut	0133008
31	#6 Hex Nut	0134027
32	5/16" Flat Washer	0142017
33	#6 Flat Washer	0142074
34	Washer .010 x .512 x .996 - Stainless Steel	0143066
35	3/8" x 1" Cap Screw	0161045
36	5/16" x 1" Cap Screw	0161052
37	1/4" x 3/4" Cap Screw	0161057
38	3/8" x 3-1/2" Long Cap Screw	0161150
39	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
40	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
41	#8 Hex Nut w/External Tooth Washer	0134059
42	#6 x 1-1/4" Phillips Head Screw - Round Head	0164054
43	#6 Hex Nut w/External Tooth Washer	0134058
44	U-Bolt - 5/16" x 1" x 2-3/16"	0176049
45	Decal - Disconnect	0992090
46	Decal - Ground	0992925
47	Decal - UL Power Supply	0994149
48	Decal - Terminal Block Torque Copper Wire	0998450
49	Decal - 3R Enclosure	0996403
50	Decal - Gasket Kit	0992071
	Central Pulse Tower Box Assm	1811432

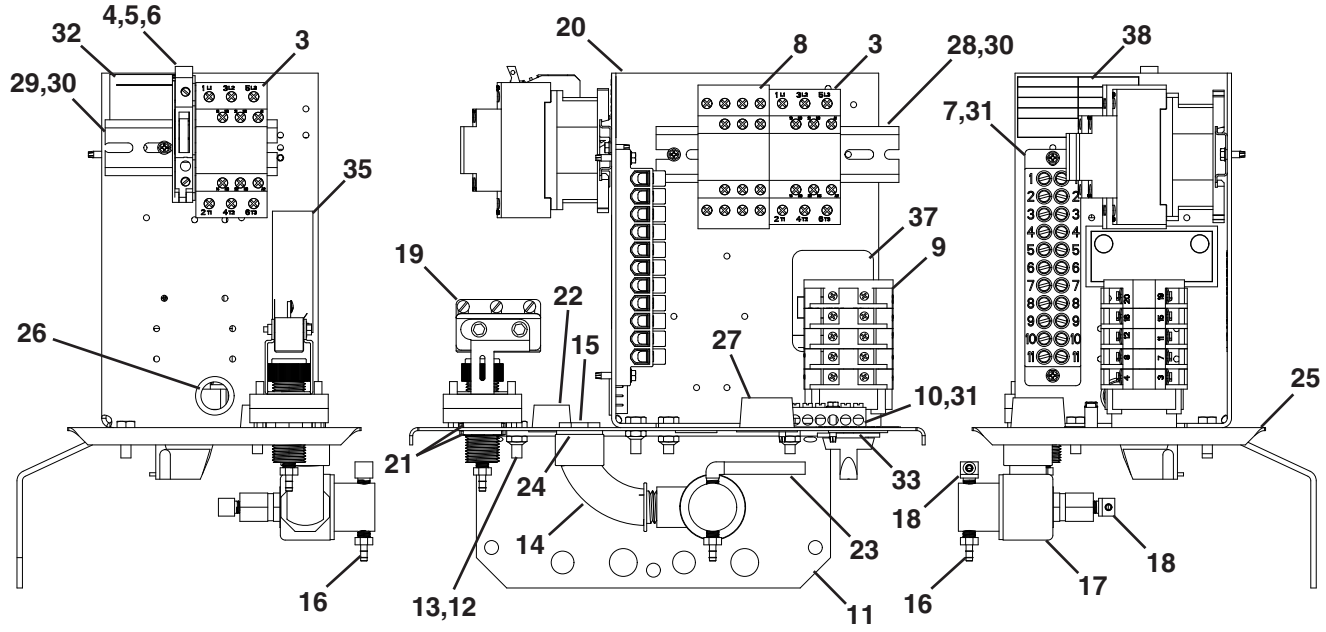
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***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.





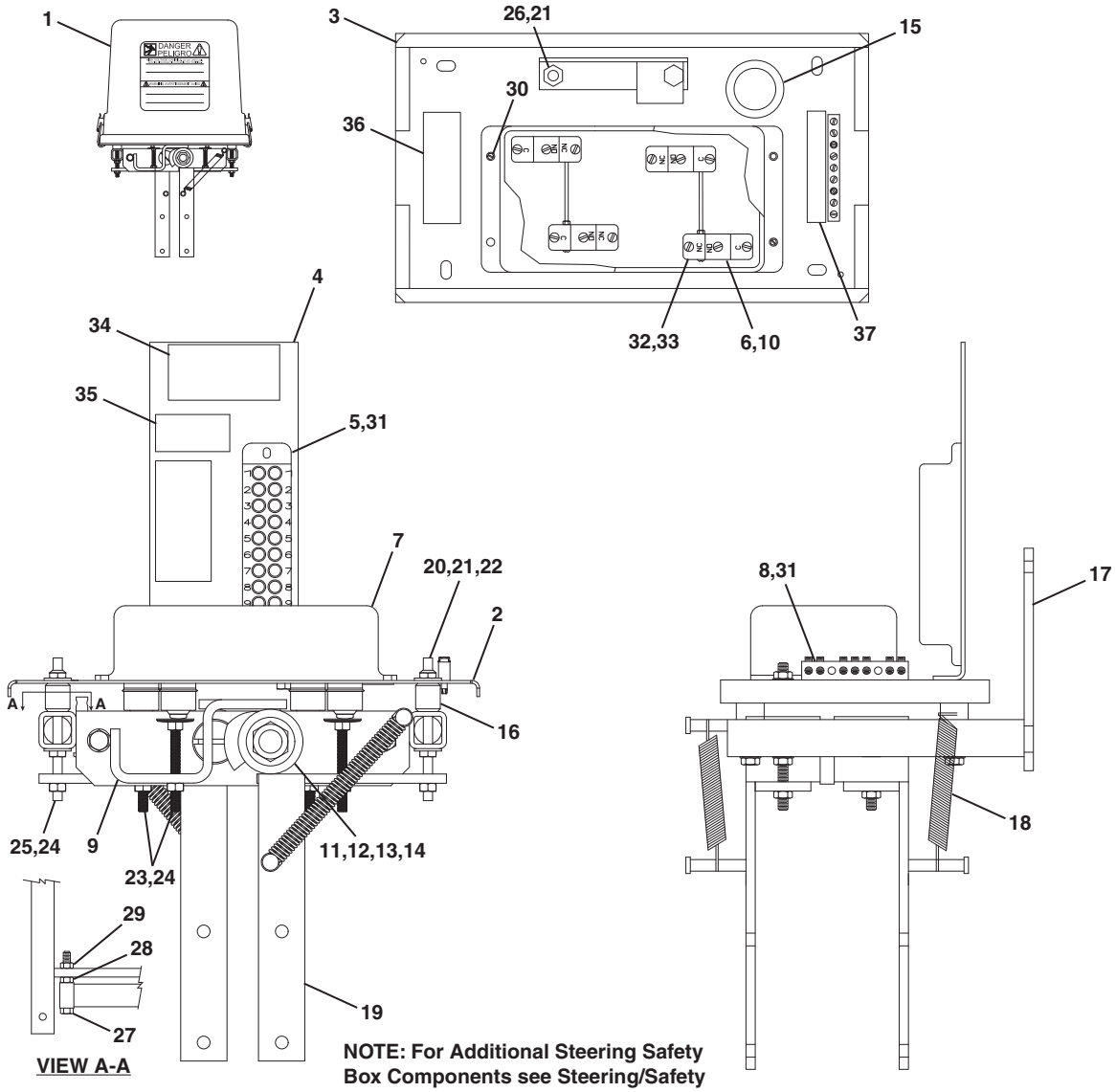
ELECTRICAL FUSING NOTE:
5 H.P. & 7.5 H.P. Booster Pumps require one KA00763 Fusing Kit per Drive Unit & one KA00233 per Corner System.



ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Gasket Kit	0992071
3	3 Pole Contactor - 25A 120V (Boxed)	03E3785
4	Fuse - 1.5A	0314858
5	Fuse Block - Din Rail Mount	03E2997
6	Fuse Block Cover	03E2998
7	Terminal Block, 600V	03E1899
8	4 Pole Contactor - 40A 120V	03E3542
9	Disconnect Switch	0314540
10	Grounding Lug	0315120
11	Mounting Plate	1702054
12	1/4" Lock Nut	0133008
13	1/4" x 3/4" Cap Screw	0161057
14	1/2" Bushed Elbow	0241057
15	1/2" Conduit Nipple - Rigid	0244037
16	1/4" MFL Connector - Tube to Male Pipe	0232362
17	Solenoid Valve w/Coil - 120V 60 Cycle NO	0232452
18	Elbow Fitting - Tube to Male Pipe	0232361
19	Pressure Switch	0315994
20	Plate - Booster Pump Control	1702392

ITEM	DESCRIPTION	PART #
21	1/2" Romax Nut	0314160
22	Caplug #12	0261008
23	Nylon Tubing - .304 O.D. x 500'	0272050
24	Flat Washer (OPTIONAL)	0142075
25	Bottom Plate	1702391
26	Snap Bushing	0992070
27	Caplug #15x	0261010
28	Din Rail Mount Channel - 6.00" Long	9310608
29	Din Rail Mount Channel - 4.25" Long	9312350
30	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
31	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
32	Decal - End Gun Fuse, 1.5A	03E1500
33	Decal - Disconnect	0992090
34	Decal - Ground	0992925
35	Decal - 3R Enclosure	0996403
36	Decal - Electrical Schematic	0997151
37	Decal - Electrical Specifications	0997164
38	Decal - Terminal Block Torque Copper Wire	0998450
	Booster Pump Box Assm.	1811602

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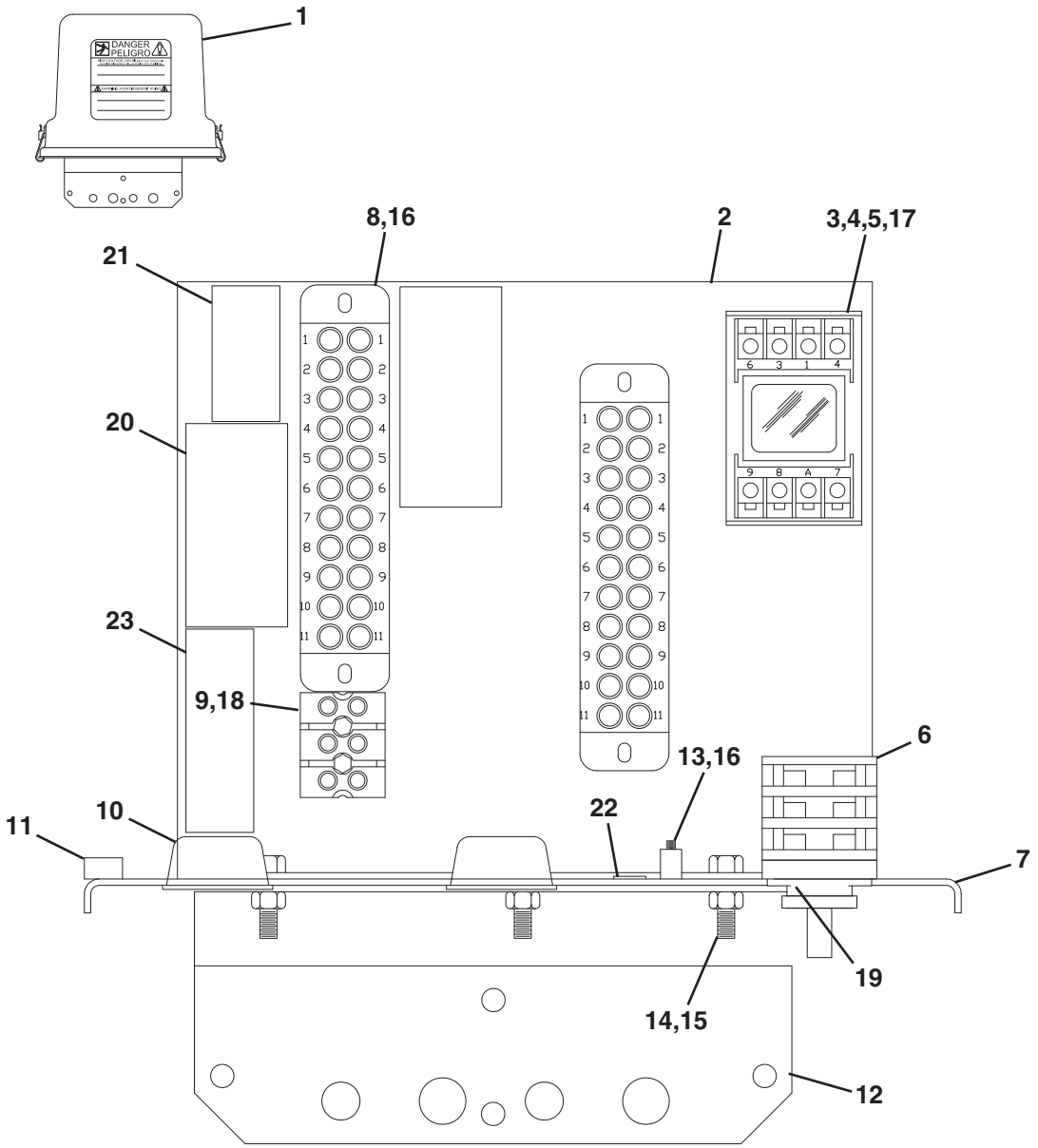


NOTE: For Additional Steering Safety Box Components see Steering/Safety Box Pg. in Guidance Section.

ITEM	DESCRIPTION	PART #
1	Electrical Tower Box Cover - UL	9311146
2	Bottom Plate	1730729
3	Gasket Kit	0992071
4	Vertical Plate	1702053
5	Terminal Block	03E1899
6	Overtravel Plunger Switch w/o Roller	03E2031
7	Switch Shield	0992550
8	Grounding Lug	0315120
9	Paddle Safety Switch Assm.	1731351
10	Boot w/Spring Assm.	03E2032
11	Spacer Bushing	1730537
12	5/8" x 3" Screw - Flat Head	0164138
13	5/8" Flat Washer	0142034
14	5/8" Jam Nut	0134044
15	15X Caplug	0261010
16	Sleeve Spacer	1730727
17	Guidance Box Mounting Bracket Assm.	1730711
18	Spring	0181089
19	Control Arm Sub Assm.	1731464
20	1/4" x 2-1/2" Cap Screw	0161054
21	1/4" Lock Nut	0133008

ITEM	DESCRIPTION	PART #
22	1/4" Flat Washer	0142022
23	1/4" x 2-1/2" Elevator Bolt	0164219
24	1/4" Hex Nut	0131020
25	1/4" x 1-1/4" Cap Screw - Full Thread	0161392
26	1/4" x 1/2" Cap Screw	0161059
27	5/16" x 2-1/2" Cap Screw	0161123
28	5/16" Hex Nut	0131019
29	5/16" Lock Nut	0133007
30	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
31	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
32	#6 x 2-3/4" Machine Screw - Round Head.	0164133
33	#6 Hex Nut	0134027
34	Decal - Terminal Torque	0998450
35	Decal - UL Circuit Supply	0994147
36	Decal - 3R Enclosure	0996403
37	Decal - Ground	0992925
	Steering/Safety Box Assy. (Prior to'87)	1811640
	Steering/Safety Box Assy. (Eff. '89)	1812244
	Repair Pkg. for Steering/Safety Switch w/o Roller	0000D99

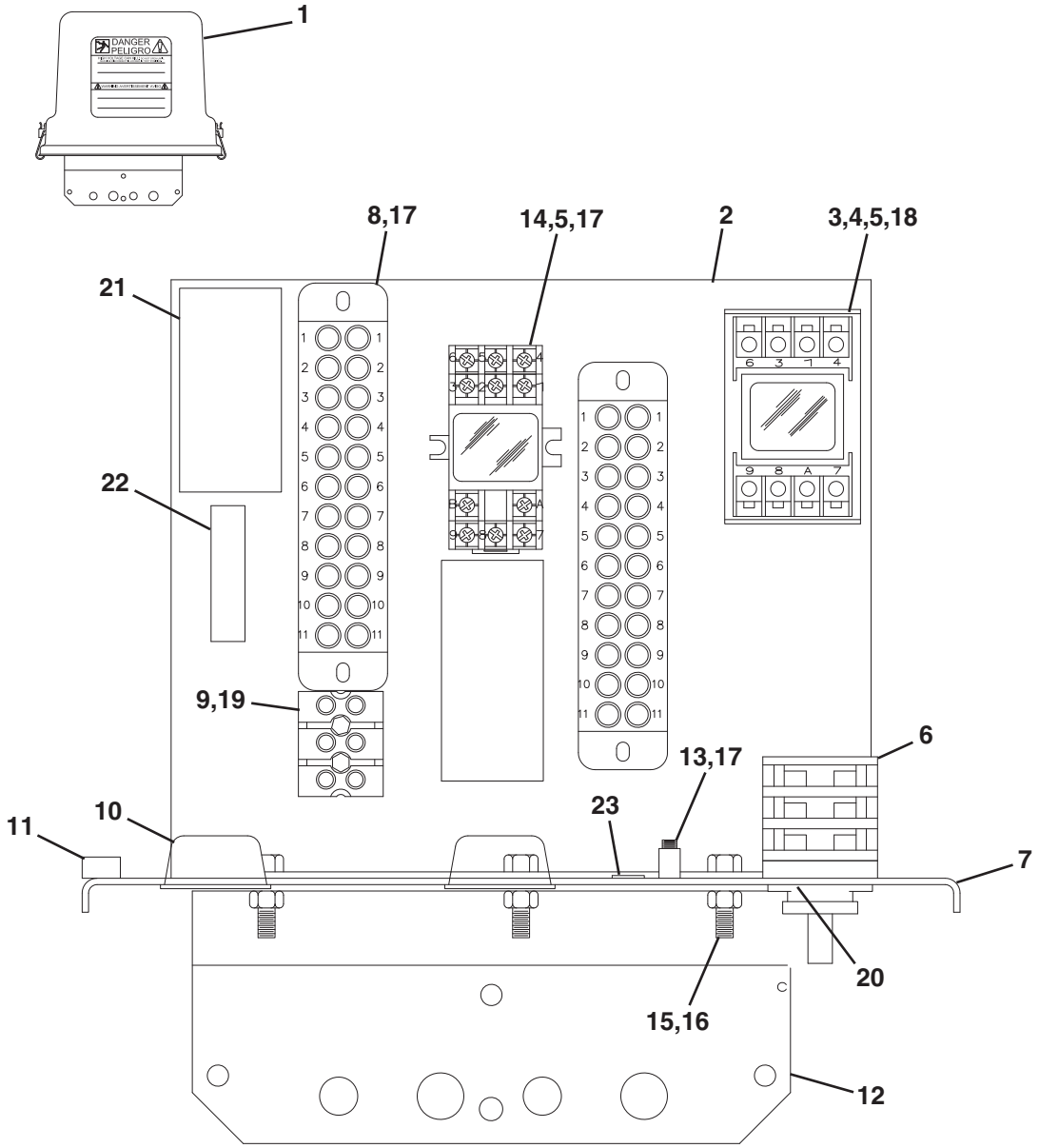
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ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Mounting Plate	1702364
3	Snaptrack	0314833
4	Relay Socket	0315688
5	Relay	0314936
6	Disconnect Switch	0315746
7	Bottom Plate	1703024
8	Terminal Block	03E1899
9	Terminal Strip	0315121
10	Caplug #15 (4 Req'd)	0261010
11	Gasket Kit	0992071
12	Mounting Plate	1702054
13	Grounding Lug	0315120

ITEM	DESCRIPTION	PART #
14	1/4" x 3/4" Cap Screw	0161057
15	1/4" Lock Nut	0133008
16	#8 x 7/8 Self-Tapping Screw - Phillips Head	0161356
17	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
18	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
19	Decal - Disconnect	0992090
20	Decal - Terminal Block Torque Copper Wire	0998450
21	Decal - UL Circuit Supply	0994147
22	Decal - Ground	0992925
23	Decal - 3R Enclosure	0996403
	Furrow GuidanceTower Box Assm.	1812050

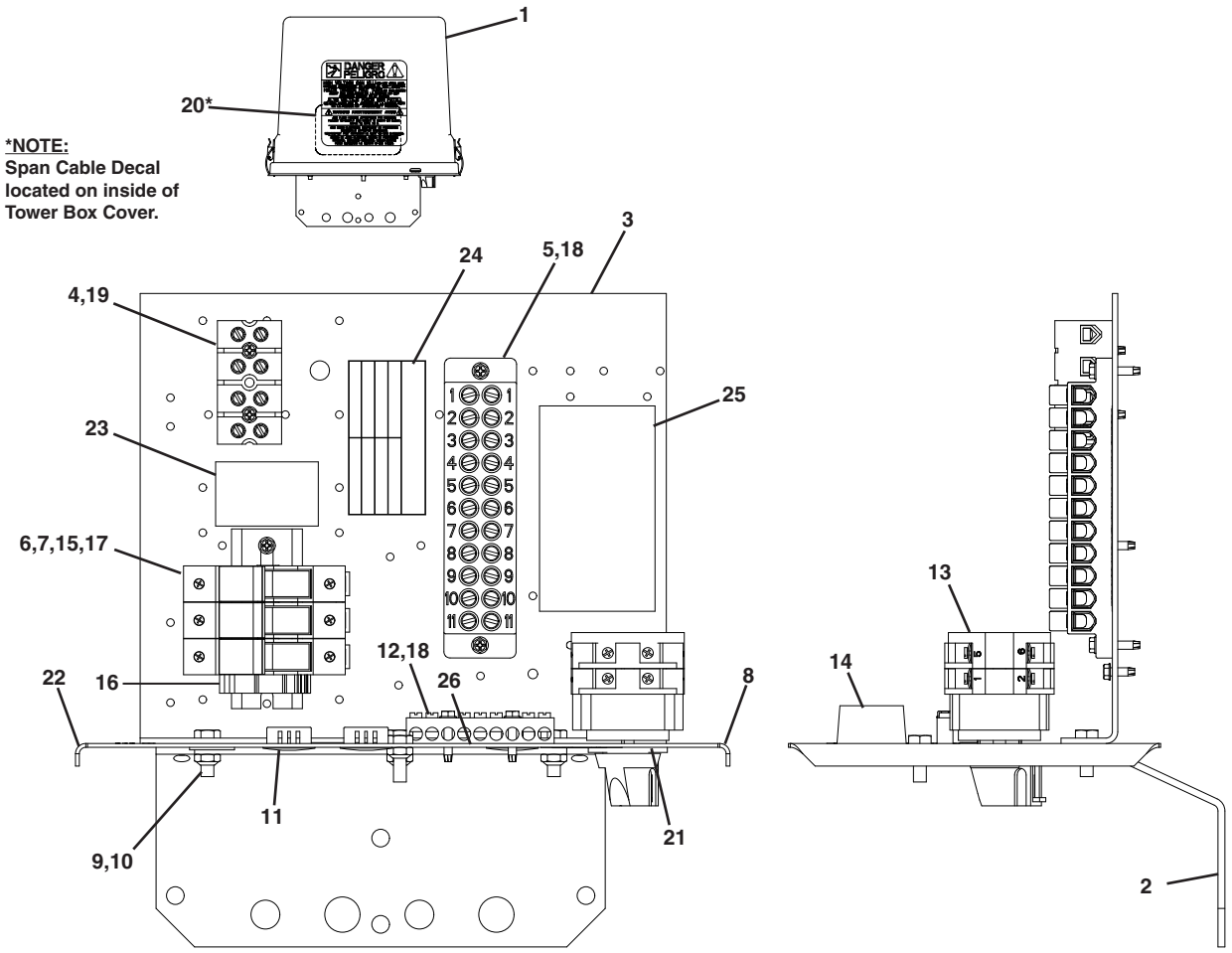
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ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Mounting Plate	1702364
3	Snaptrack	0314833
4	Relay Socket	0315688
5	Relay	0314936
6	Disconnect Switch	0315746
7	Bottom Plate	1703024
8	Terminal Block	03E1899
9	Terminal Strip	0315121
10	Caplug #15 (4 Req'd)	0261010
11	Gasket Kit	0992071
12	Mounting Plate	1702054
13	Grounding Lug	0315120

ITEM	DESCRIPTION	PART #
14	Relay Socket	03E1650
15	1/4" x 3/4" Cap Screw	0161057
16	1/4" Lock Nut	0133008
17	#8 x 7/8 Self-Tapping Screw - Phillips Head	0161356
18	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
19	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
20	Decal - Disconnect	0992090
21	Decal - Terminal Block Torque Copper Wire	0998450
22	Decal - UL Circuit Supply	0994147
23	Decal - Ground	0992925
	Furrow Guidance Swing Around Twr. Box Assm.	1812903

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ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Mounting Plate	1702054
3	Vertical Plate	1702364
4	Terminal Block	0315571
5	Terminal Block	03E1899
6	Fuse Block - 3 Pole	03E3443
7	30 Amp, 600 Volt Fuse	03E1738
8	Bottom Plate	1703644
9	1/4" x 3/4" Cap Screw	0161057
10	1/4" Lock Nut	0133008
11	Snap Button Plug (3 Req'd)	03E2166
12	Grounding Lug	0315120
13	Disconnect Switch	03E0338
14	Caplug #15 (2 Req'd)	0261010
15	Din Rail - 3.50" Long	9311122
16	Din Rail End Stop	03E2996
17	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
18	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
19	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
20	Decal - Span Cable Transition/Booster Transformer Fuse	0997274
21	Decal - Disconnect	0992090
22	Decal - 3R Enclosure	0996403
23	Decal - Tower Box Fuse Size	03E1648
24	Decal - Terminal Torque Copper Wire	0998450
25	Decal - 30 Amp Industrial Control Panel Specs.	0998351
26	Decal - Ground	0992925
27	Casket Kit (Not Shown)	0992071
	Transformer Control Tower Box Assm.	1811700

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OPTIONS / MISCELLANEOUS

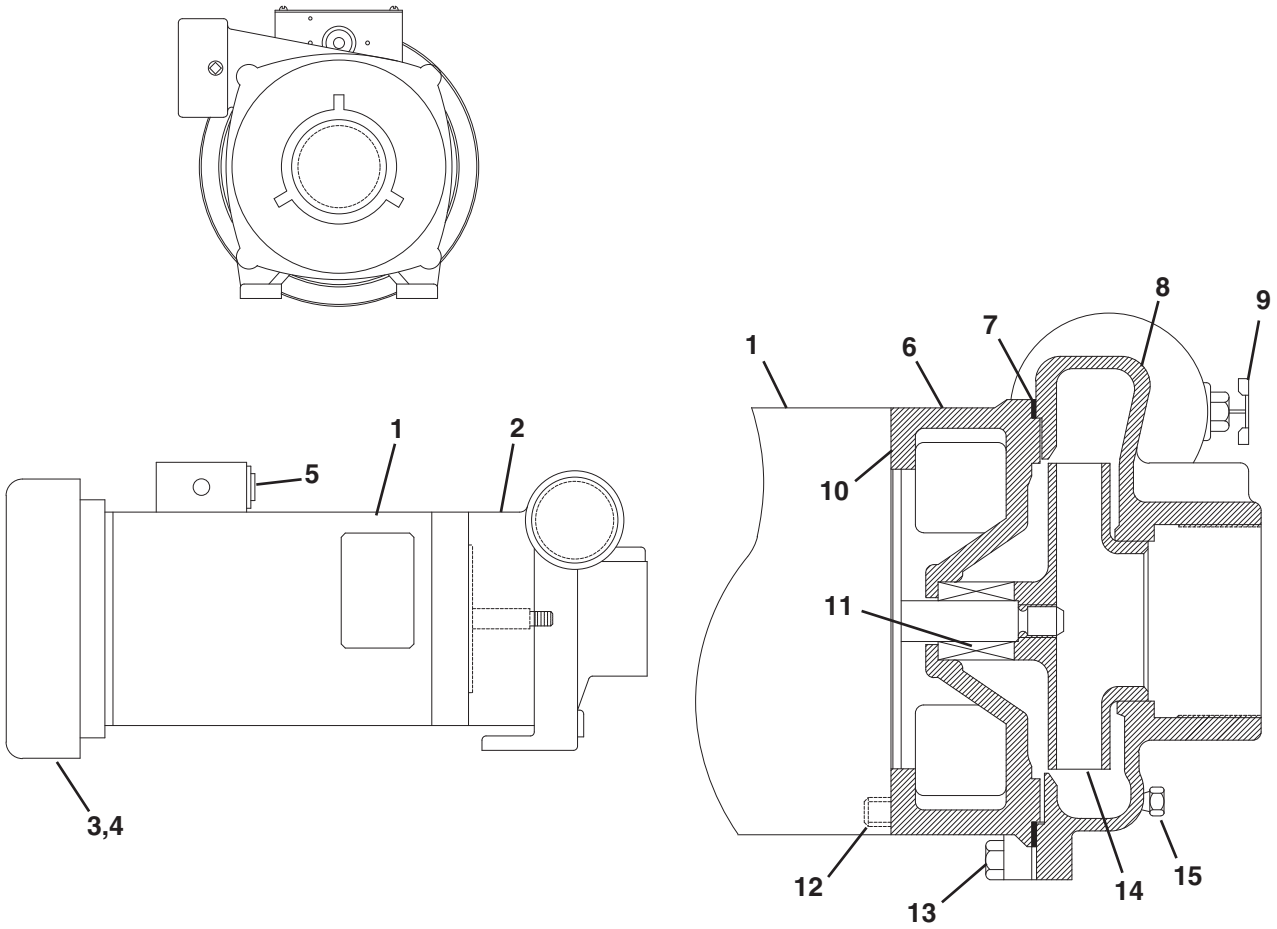
2 Wheel Linear - Effective 1/10

Description	Rev. #	Pg. #
2 H.P. Booster Pump	01-10	14-3
Standard 5 H.P. Booster Pump (Low Head, High Flow)	01-10	14-4
Optional 5 H.P. Booster Pump (High Head, Low Flow)	01-10	14-5
7.5 H.P. Booster Pump	09-10	14-6
Booster Pump Plumbing	12-17	14-7
Alternate Booster Pump Plumbing	12-17	14-8
End Gun Valve Plumbing w/o Booster Pump	07-17	14-9
End Gun Cross Filter Plumbing	01-10	14-10
End Gun Filter Plumbing Dirty Water	01-10	14-11
Hose Drag Cart Dirty Water Filter Plumbing	01-10	14-12
Running Light	01-10	14-13
Blue, Amber or Red Strobe Light	01-10	14-14
Strobe Running Light	11-15	14-15
Maintenance Light - Control Panel Mounting w/Vibration Mounts	01-17	14-16
Maintenance Light - Standard Control Panel Mounting	01-17	14-17
Motor Cover	11-18	14-18
Safety Caution Decals	01-10	14-19
Safety Danger Decals	03-17	14-20
Safety Warning Decals	03-12	14-21
End of Field Stop Auto Reverse Assembly	07-16	14-22
End of Field Stop Actuator Detail	02-15	14-23
Tower Junction Box	10-14	14-24
A.R.A.S. Internal Switch Box	12-17	14-25
End of Field Internal Switch Box	05-17	14-26
Booster Pump Box - with Solenoid	10-18	14-27
Booster Pump Box - without Solenoid	12-17	14-28
End of Field Safety Barricade - Skid Style	10-15	14-29
End of Field Safety Barricade Post Style	07-16	14-30
Pressure Gauge Plumbing	01-10	14-31
Anti-Corrosion Anode	01-10	14-32
Hydraulic Jack	07-15	14-33
Tapered Gearbox Shims	01-10	14-34
Linear GPS Positioning	06-18	14-35
Heavy Duty Cable Clamp	01-10	14-36
Remote Drain	02-13	14-37
PolySpan Remote Drain	01-10	14-38
Drop Span Tower Box	10-18	14-39
Drop Span	07-12	14-40
Drop Span - Overall	08-17	14-41
Drop Span - Lifting Hardware	06-16	14-42
Drop Span - Stop Switch	07-12	14-43
Drop Span - Platform	06-15	14-44

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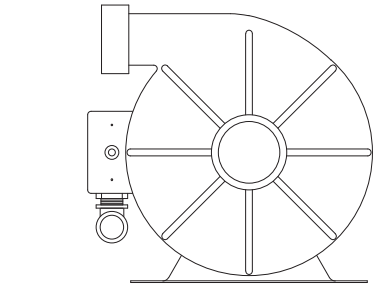
Description	Rev. #	Pg. #
Drop Span - Alignment Hardware	07-12	14-45
Drop Span - Komet End Gun	07-12	14-46
Drop Span - Manual End Gun	07-12	14-47
Cable Theft Deterrent - Flange Cover, Flashing & Clamps	07-12	14-48
Cable Theft Deterrent - Motor Lead Guard & Tower Box Fittings	09-18	14-49
Cable Theft Deterrent - Collector Ring Fittings	07-12	14-50
Overload Tower Box - Articulating 4-Wheel Drive	09-15	14-51
600V Lightning Arrestor	09-18	14-52

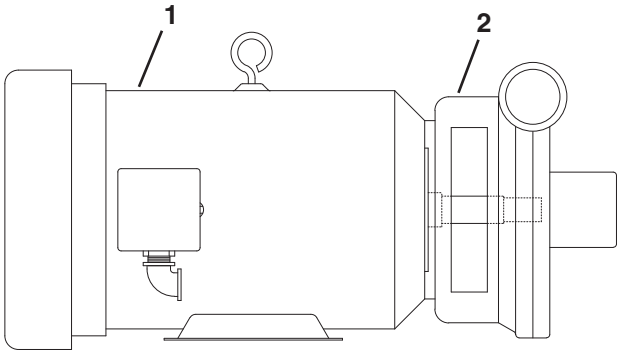
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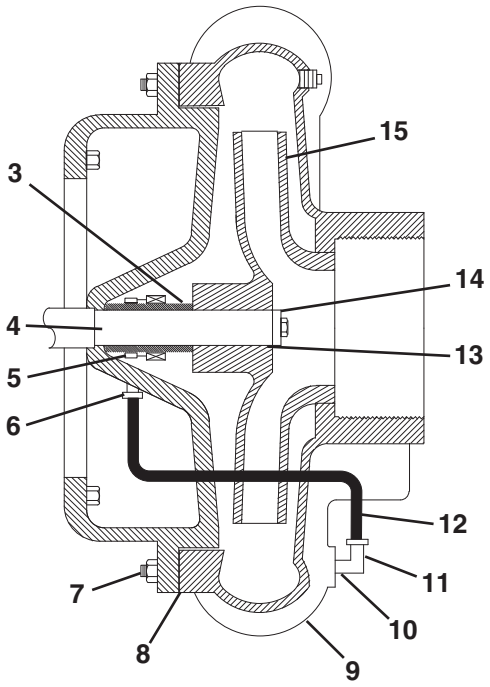


ITEM	DESCRIPTION	PART #
1	2 H.P. Motor Module	0992805
2	2 H.P. Booster Pump	0994086
3	Fan	0994391
4	Endcap Cover	0994392
5	Overload Switch Seal	0993619
6	Motor Bracket	0991653
7	Gasket	0991657
8	Volute Case w/ Stainless Steel Wear Ring	0992757
9	1/4" Drain Cock	0992756
10	Mylar Gasket	0992950
11	Mechanical Seal	0991652
12	3/8" x 3/4" Cap Screw	0161046
13	5/16" x 7/8" Cap Screw	N/A
14	Impeller, 4-17/32" Diameter	0992761
15	Pipe Plug	0992760
	Thermal Overload Protector (Not Shown)	0993661
	Thermal Overload Protector Boot (Not Shown)	0993619
	COMPLETE 2 H.P. Booster Pump	0992806

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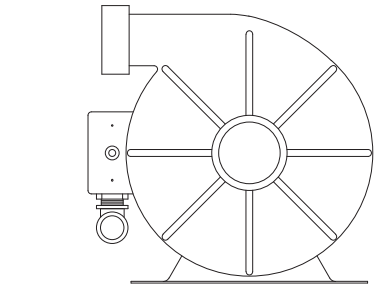


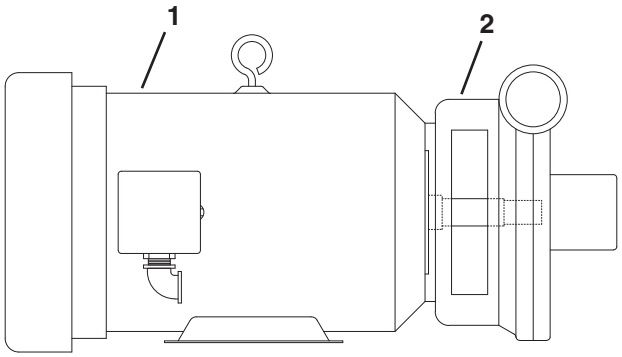


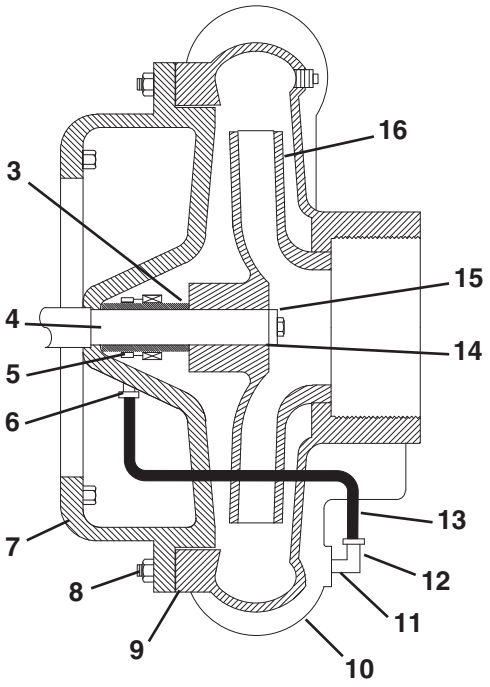


ITEM	DESCRIPTION	PART #
1	5 H.P. Motor Module	0992899
	External Fan (not show)	0993281
2	5 H.P. Booster Pump	0999517
3	Retaining Ring	0992541
4	Shaft Sleeve	0992538
5	Mechanical Shaft Seal	0992540
6	Straight Connector Fitting	0232362
7	1/2" x 1-3/4" Stud	0992537
8	Gasket Case	0992536
9	Volute Case	0992535
10	1/4" NPT x 1/8" NPT Bushing	0244024
11	90° Elbow Fitting	0232361
12	1/4" x 5' Tube	1740098
13	Impeller Key	0992544
14	Impeller Washer	0992543
15	Impeller, 5" Diameter	0993418
	Thermal Overload Protector (Not Shown)	0993662
	Thermal Overload Protector Boot (Not Shown)	0993619
	COMPLETE 5 H.P. Booster Pump w/5" Imp	0993417

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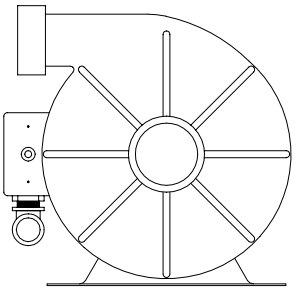


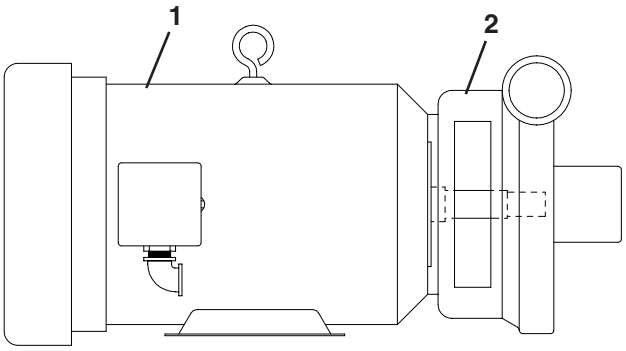


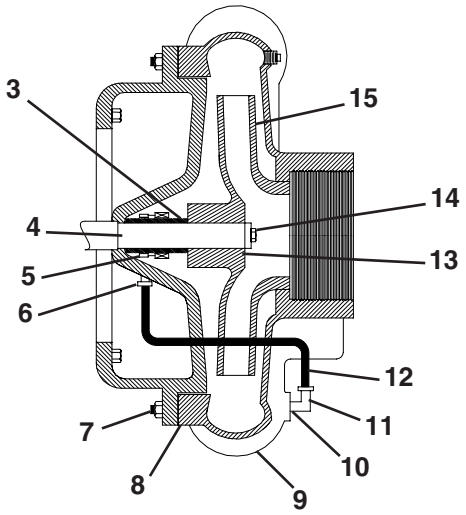


ITEM	DESCRIPTION	PART #
1	5 H.P. Motor Module	0992899
	External Fan (not shown)	0993281
2	5 H.P. Booster Pump	0993667
3	Retaining Ring	0992541
4	Shaft Sleeve	0992538
5	Mechanical Shaft Seal	0992540
6	Straight Connector Fitting	0232362
7	Motor Bracket	N/A
8	1/2" x 1-3/4" Stud	0992537
9	Gasket Case	0992536
10	Volute Case	0992901
11	1/4" NPT x 1/8" NPT Bushing	0244024
12	90° Elbow Fitting	0232361
13	1/4" x 5' Tube	1740098
14	Impeller Key	N/A
15	Impeller Washer	N/A
16	Impeller, 5-3/4" Diameter	0992903
	Thermal Overload Protector (Not Shown)	0993662
	Thermal Overload Protector Boot(Not Shown)	0993619
	COMPLETE 5 H.P. Booster Pump w/5-3/4" Imp	0992898

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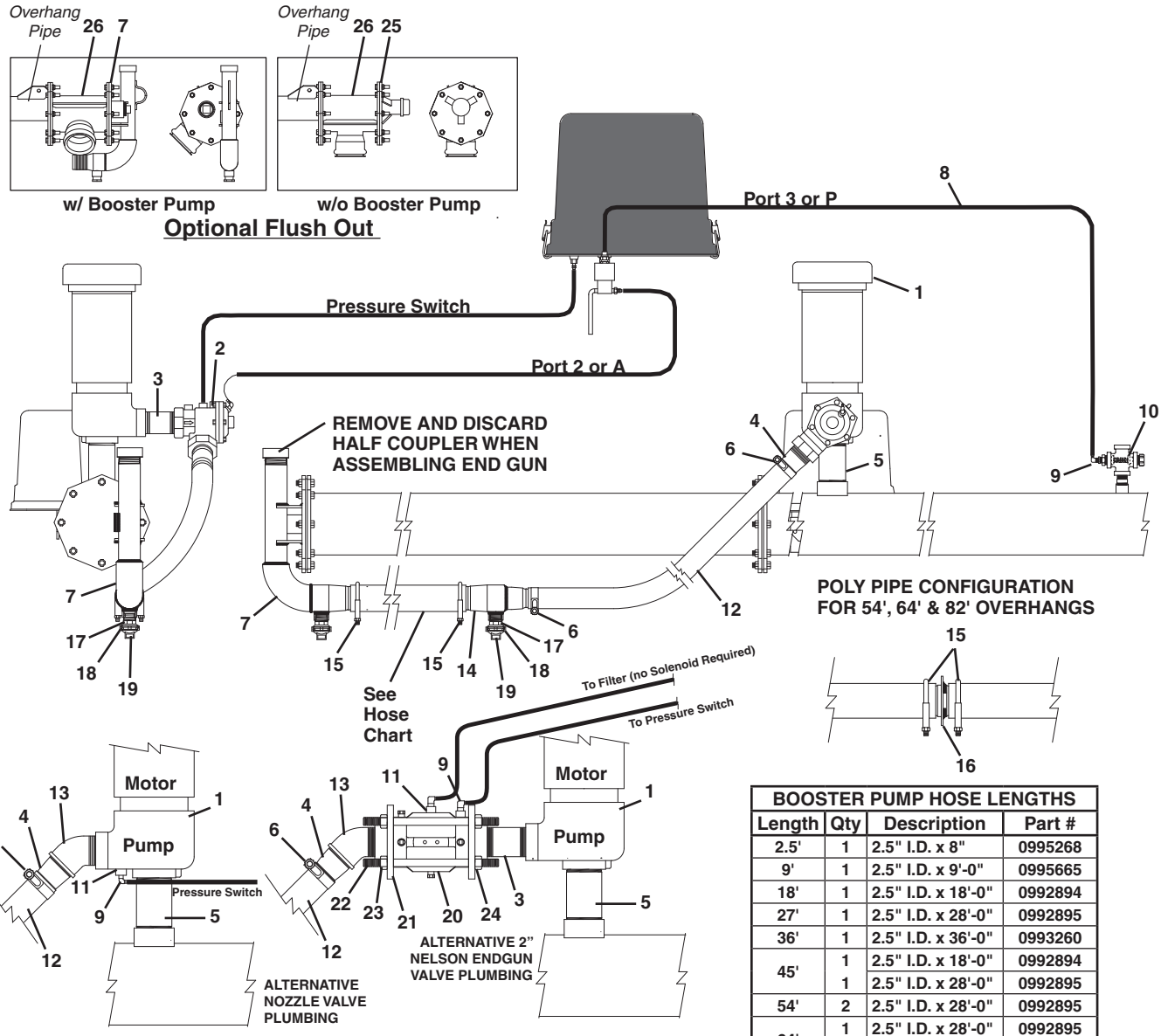






ITEM	DESCRIPTION	PART #
1	7.5 H.P. Motor Module	0992885
2	7.5 H.P. Booster Pump	0993668
3	Retaining Ring	0992541
4	Shaft Sleeve	0992538
5	Mechanical Shaft Seal	0992540
6	Straight Connector Fitting	0232362
7	1/2" x 1-3/4" Stud	0992537
8	Gasket Case	0992536
9	Volute Case	0992535
10	1/4" NPT x 1/8" NPT Bushing	0244024
11	90° Elbow Fitting	0232361
12	1/4" x 5' Tube	1740098
13	Impeller Key	0992544
14	Impeller Washer	0992543
15	Impeller, 5-5/8" Diameter	0992886
	Thermal Overload Protector (Not Shown)	0998087
	Thermal Overload Protector Boot (Not Shown)	0993619
	COMPLETE 7.5 H.P. Booster Pump	0992884

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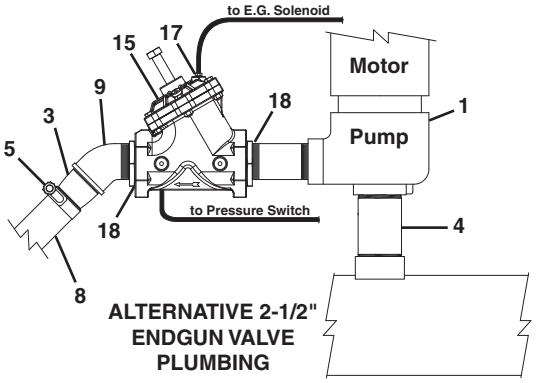


BOOSTER PUMP HOSE LENGTHS			
Length	Qty	Description	Part #
2.5'	1	2.5" I.D. x 8"	0995268
9'	1	2.5" I.D. x 9'-0"	0995665
18'	1	2.5" I.D. x 18'-0"	0992894
27'	1	2.5" I.D. x 28'-0"	0992895
36'	1	2.5" I.D. x 36'-0"	0993260
45'	1	2.5" I.D. x 18'-0"	0992894
	1	2.5" I.D. x 28'-0"	0992895
54'	2	2.5" I.D. x 28'-0"	0992895
64'	1	2.5" I.D. x 28'-0"	0992895
	1	2.5" I.D. x 36'-0"	0993260
73'	2	2.5" I.D. x 36'-0"	0993260
74'	2	2.5" I.D. x 36'-0"	0993260
82'	2	2.5" I.D. x 43'-0"	0992752

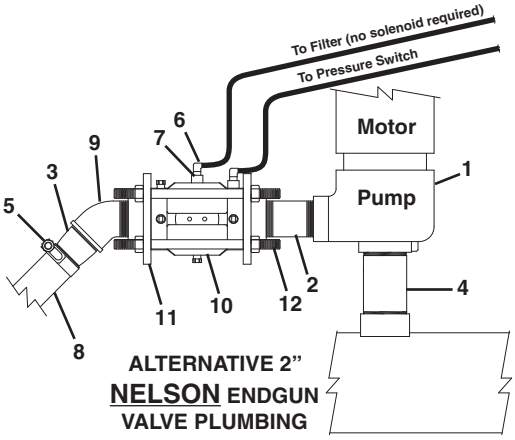
ITEM	DESCRIPTION	PART #
1	2 HP Booster Pump	0992806
	5 HP Booster Pump w/5" Impeller	0993417
	5 HP Booster Pump w/5-3/4" Impeller	0992898
	7.5 HP Booster Pump	0992884
2	2" Diaphragm Angle Valve	0232480
3	2" x 4-1/2" Nipple	0211047
4	2" Hose Insert	0271035
5	2-1/2" x 6" Nipple	0211156
6	Hose Clamp - 2.69" max / 2.38" min	0271085
7	O/H Endplate Assm. - for End Gun & Booster Pump	9360136
8	1/4" Tube - 0.304" O.D. x 12' Long	1701789
9	Elbow Tube Insert	0232361
10	3/4" Filter Cross	9360897
	3/4" Cross	0242048
	Filter Element	0311020
	3/4" Plug	0246193
	3/4" x 1/4" Reducer (Galvanized)	0244046
	1/4" x 1/8" Reducer	0244024
	3/4" x 2" Nipple (Galvanized)	0211014
11	1/4" x 1/8" Bushing	0244024
12	2" x 36" Reinforced Hose	0272034

ITEM	DESCRIPTION	PART #
13	2" x 45° Street Elbow	0241053
14	2" x 2-1/2" Hose Insert Splice	9360137
15	2-3/4" Muffler Clamp	0271059
16	2-1/2" Hose Splice	1702676
17	Upper Drain Body	0232023
18	Drain Seal	0232568
19	Lower Drain Body	0232004
20	2" Nelson Endgun Valve	0232504
21	2" FNPT x ANSI Flange Adapter	0996405
22	5/8" x 11" All Thread	0996408
23	5/8" Hex Nut	0131009
24	5/8" Flat Washer	0142034
25	6-5/8" Endplate Assm.	1800036
26	6" Flush Out Stub Assm. w/ 4" Drain	9360312
	Flush Out Install Kit (incl. cap screws(8) & lock nuts(8))	KA02427

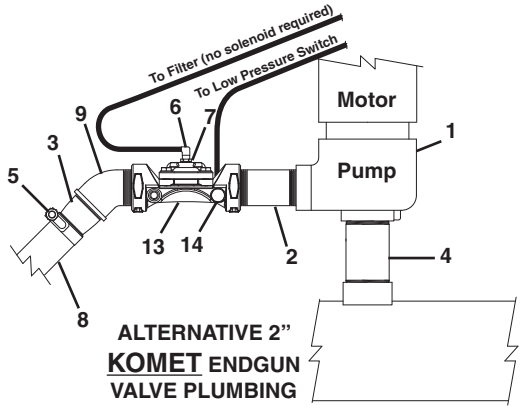
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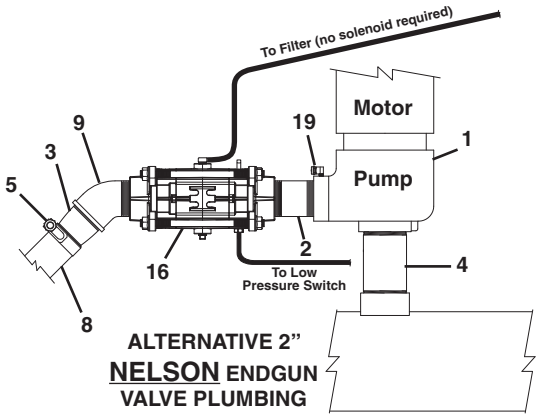
ALTERNATIVE 2-1/2" ENDGUN VALVE PLUMBING



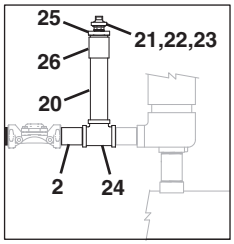
ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING



ALTERNATIVE 2" KOMET ENDGUN VALVE PLUMBING



ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING



AIR RELIEF KIT
(For either Nelson or Komet Valve application

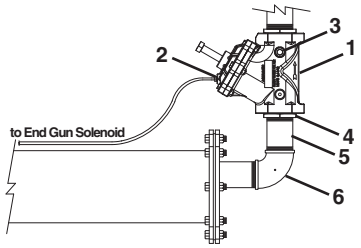
ITEM	DESCRIPTION	PART #
1	2 HP Booster Pump	0992806
	5 HP Booster Pump w/5" Impeller	0993417
	5 HP Booster Pump w/5-3/4" Impeller	0992898
	7.5 HP Booster Pump	0992884
2	2" x 4-1/2" Nipple	0211047
3	2" Hose Insert	0271035
4	2-1/2" x 6" Nipple	0211156
5	Hose Clamp - 2.69" max / 2.38" min	0271085
6	Elbow Tube Insert	0232361
7	1/4" x 1/8" Bushing	0244024
8	2" x 36" Reinforced Hose	0272034
9	2" x 45° Street Elbow	0241053
10	2" Nelson Endgun Valve	0232504
11	2" FNPT x ANSI Flange Adapter	0996405
12	Stud Kit - 1/2" x 8.25" (incl. 4 Studs & 8 Flanged Nuts)	0990217
13	2" Komet Endgun Valve	0232557
14	Komet Automatic Drain Valve	0232558
15	2-1/2" Diaphragm Valve	0232323
16	2" Nelson 1000P-V Valve	0232585
17	MFL Connector - Tube to Male Pipe	0232362
18	2-1//2" x 2" Bushing - Galvanized	0244021
19	Ball / Drain Vent	0232566
20	2" NPT x 10" Nipple - Galvanized	0211004*
21	Lower Drain Body	0232004*
22	Upper Drain Body	0232023*
23	Drain Seal	0232568*
24	2" x 2" x 2" Tee Fitting - Galvanized	0242008*
25	2" x 1" Reducer Fitting - Galvanized	0244028*
26	2" Coupler - Galvanized	0245001*

* Air Relief Kit (also includes (1) 2" x 4-1/2" Nipple (Item 2) .. 9364627

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2-1/2" END GUN VALVE

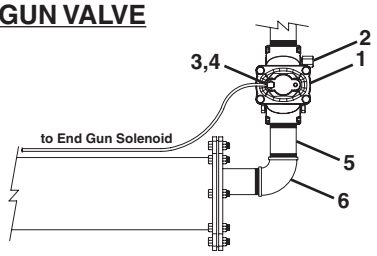
ITEM	DESCRIPTION	PART #	
1	2-1/2" Diaphragm End Gun Valve	0232323	*
2	MFL Connector - Tube to Male Pipe	0232362	*
3	Bleeder Plug	0232440	*
4	2-1/2" x 2" Reducer - Galvanized	0244021	
5	2" x 4" Nipple - Galvanized	0211047	
6	End Gun Elbow	1926125	
	Diaphragm & Seal Kit	0232297	
	Internal Parts Kit	0232298	
	End Gun Shutoff 2" Valve Kit	KA00023	



***NOTE: Items included with End Gun Valve 0232323.**
Elbow Fitting (0232361) also included.

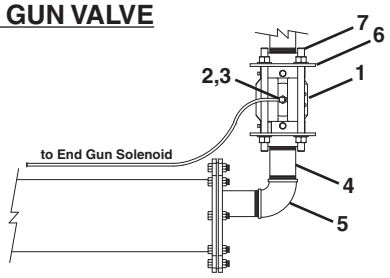
2" KOMET END GUN VALVE

ITEM	DESCRIPTION	PART #	
1	2" Komet End Gun Valve	0232557	*
2	Automatic Drain Valve	0232558	*
3	Elbow Fitting - Tube to Male Pipe	0232361	
4	1/4" x 1/8" Reducer Bushing - Galvanized	0244024	
5	2" x 4" Nipple - Galvanized	0211047	
6	End Gun Elbow	1926125	
	*2" Komet End Gun Valve Kit	KA09903	
	Drain Plug w/Hole (0232559) also included.		
	End Gun Shutoff 2" Valve Kit	KA00023	



2" NELSON END GUN VALVE

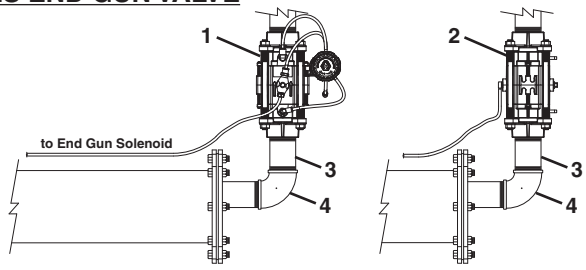
ITEM	DESCRIPTION	PART #	
1	2" Nelson End Gun Valve	0232504	*
2	Elbow Fitting - Tube to Male Pipe	0232361	
3	1/4" x 1/8" Reducer Bushing - Galvanized	0244024	
4	2" x 4" Nipple - Galvanized	0211047	
5	End Gun Elbow	1926125	
6	2" FNPT x ANSI Flange Adapter	0996405	*
7	Stud Kit - 1/2" x 8.25"	0980217	*
	*2" Nelson End Gun Valve Kit	KA02141	
	End Gun Shutoff 2" Valve Kit	KA00023	



2" NELSON 1000 SERIES END GUN VALVE

ITEM	DESCRIPTION	PART #
1	2" Nelson 1000P-RX End Gun Valve	0232586
2	2" Nelson 1000P-X End Gun Valve	0232587
3	2" x 4" Nipple - Galvanized	0211047
4	End Gun Elbow	1926125
	Nelson 1000P-RX Valve Kit - Non-Booster Pump	KA02664
	Nelson 1000P-X Valve Kit - Non-Booster Pump	KA02665

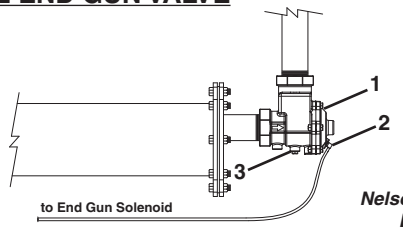
***NOTE: Ball / Drain Vent (0232566) included with End Gun Valves.**



2" DIAPHRAGM ANGLE END GUN VALVE

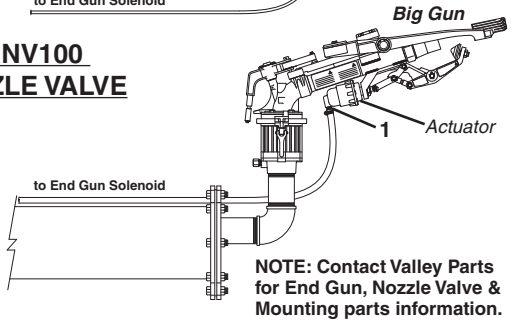
ITEM	DESCRIPTION	PART #	
1	2" Diaphragm Angle End Gun Valve	0232480	
2	Elbow Fitting - Tube to Male Pipe	0232361	*
3	Bleed Plug	0232440	*
	Diaphragm & Seals Kit	0232488	
	Internal Parts Kit (normally open model)	0232489	
	End Gun Shutoff 2" Valve Kit	KA00023	

***NOTE: Items included with End Gun Valve 0232480.**



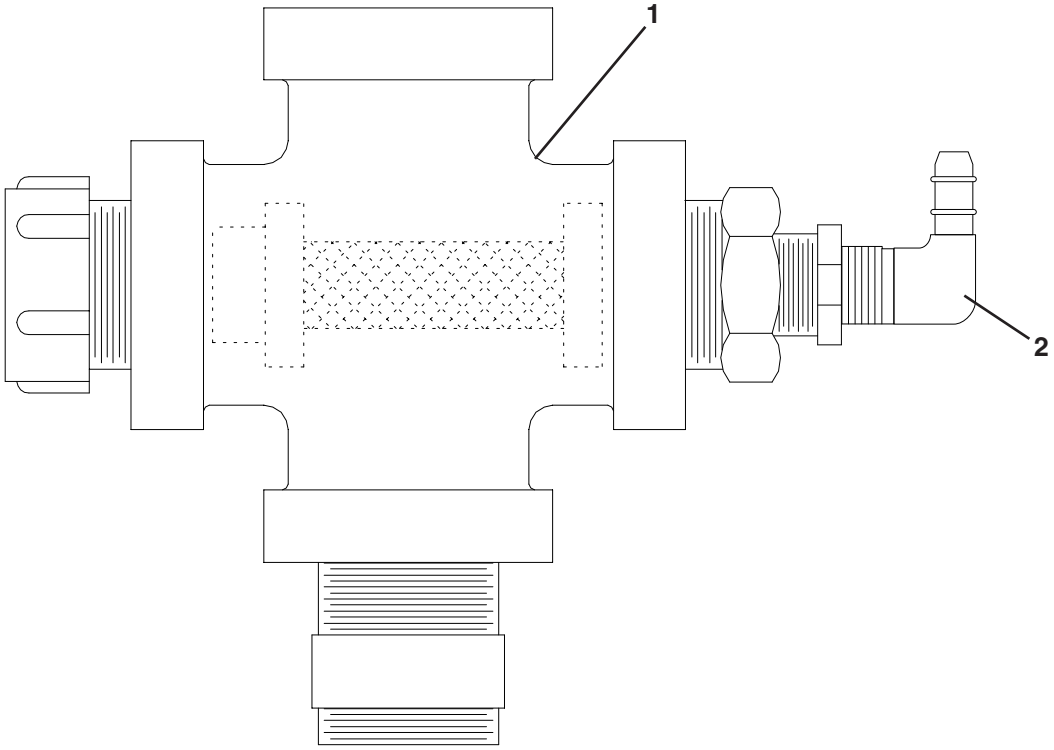
NELSON SRNV100 END GUN NOZZLE VALVE

ITEM	DESCRIPTION	PART #
1	MFL Connector - Tube to Male Pipe	0232362



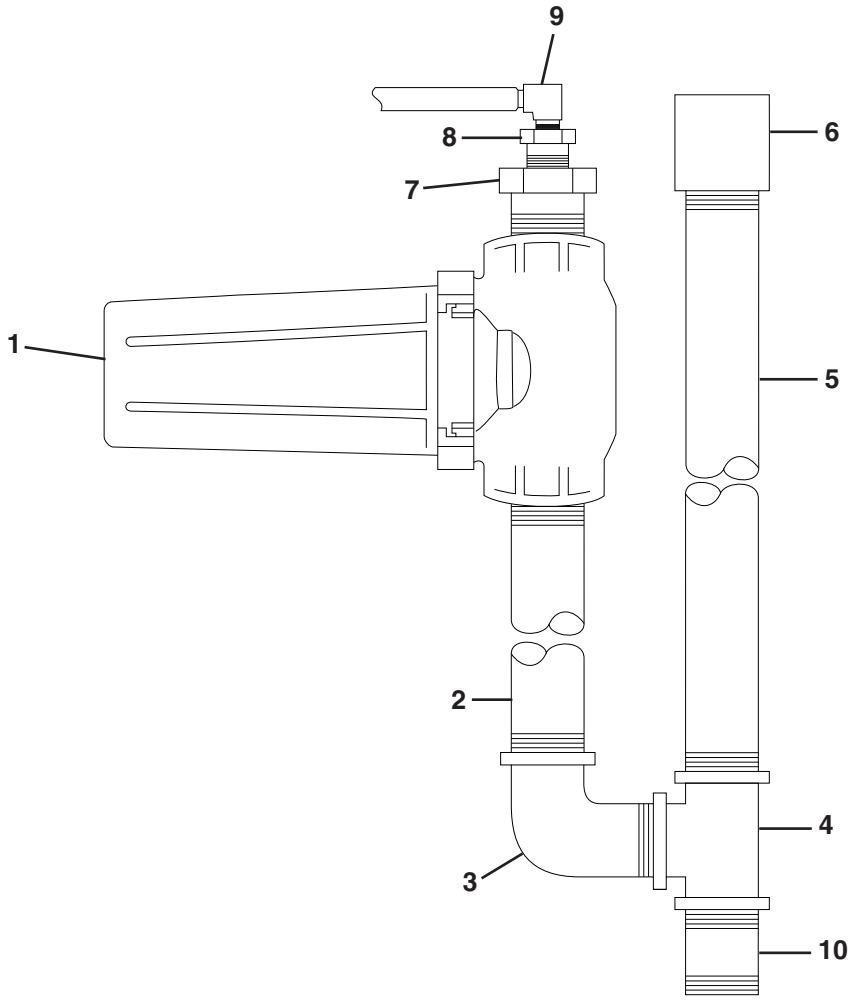
NOTE: Contact Valley Parts for End Gun, Nozzle Valve & Mounting parts information.

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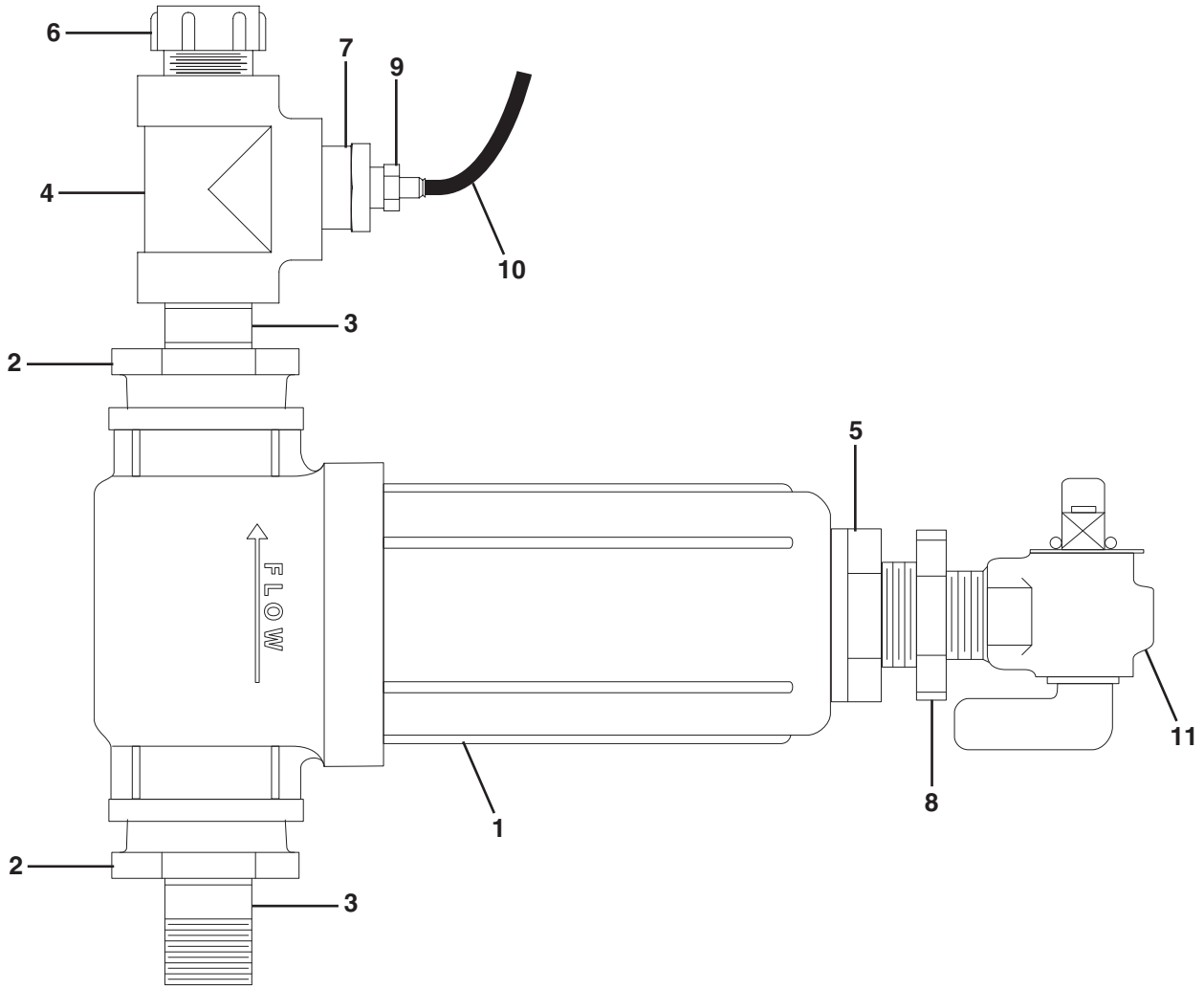
ITEM	DESCRIPTION	PART #
1	3/4" Filter Complete	9360897
	3/4" Cross	0242048
	Filter Element	0311020
	3/4" Plug	0246193
	3/4" x 1/4" Reducer	0244046
	1/4" x 1/8" Reducer	0244024
	3/4" x 2" Galvanized Nipple	0211014
2	Right Angle Tube Fitting	0232361

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ITEM	DESCRIPTION	PART #
1	3/4" Filter Complete	0311016
	Filter Base	0311017
	Screen	0311018
	Canister	0311019
	"O" Ring	0256030
2	3/4" x 8" Nipple PVC	0211112
3	3/4" x 90° Street Elbow	0241075
4	3/4" x 3/4" x 3/4" Tee	0242002
5	3/4" x 24" Nipple	0211133
6	3/4" Coupler	0245005
7	3/4" x 1/4" Pipe Bushing PVC	0244046
8	1/4" x 1/8" Pipe Bushing	0244024
9	Right Angle Tube Fitting	0232361
10	3/4" x 2" Galvanized Nipple	0211014
	COMPLETE End Gun Filter Package	KA09595

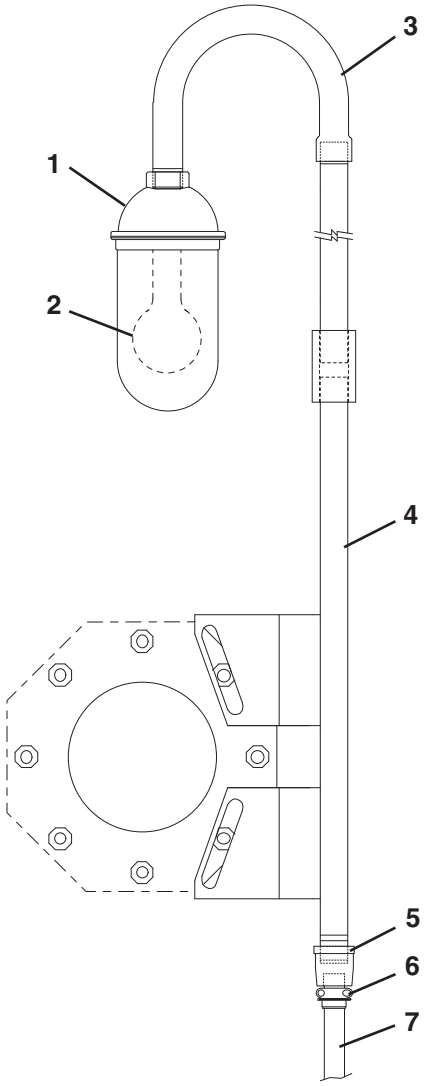
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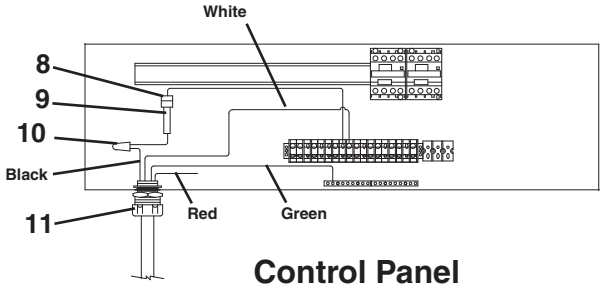


ITEM	DESCRIPTION	PART #
1	1-1/2" Filter Complete	0311013
	Screen	0311014
	Canister	0311015
	"O" Ring	0256030
2	1-1/2" x 3/4" Reducer Bushing	0244036
3	3/4" x 2" Nipple	0211014
4	3/4" x 3/4" x 3/4" Tee	0242002
5	Bulkhead Fitting	1750640
6	3/4" Plug (Plastic)	0246193
7	3/4" x 1/4" Pipe Bushing (Galvanized)	0244025
8	1/2" x 3/8" Reducer Bushing	0244010
9	1/4" NPT x 1/4" Tube Connector	0232366
10	1/4" x 30' Tube	1740101
11	3/8" Drain	0232015

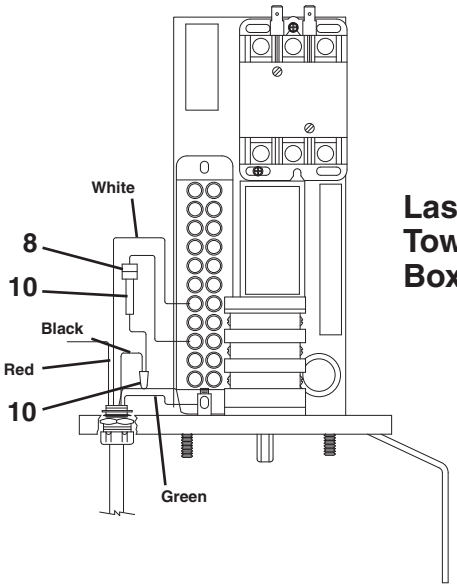
COMPLETE Filter Package for Linear Hose Drag Cart... KA09597

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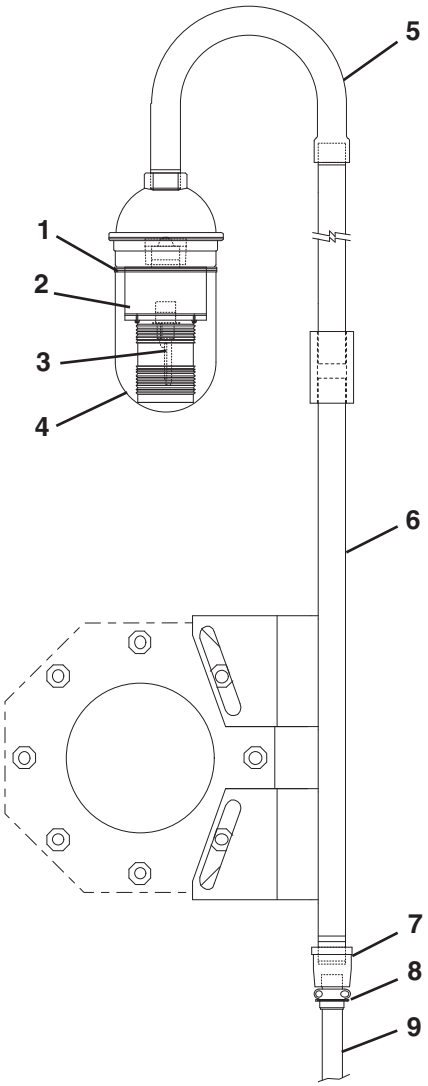
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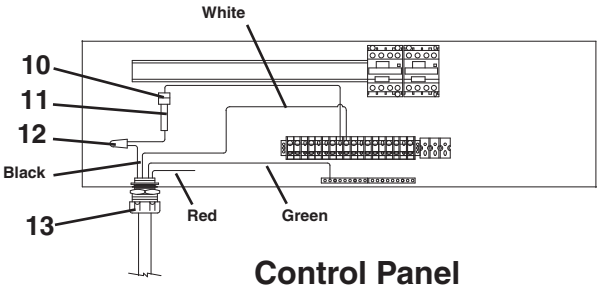


Last Tower Box

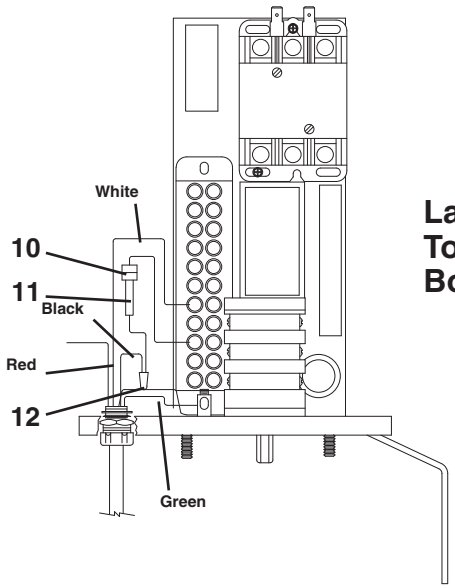
ITEM	DESCRIPTION	PART #
1	Globe & Pendant Assembly	0315737
2	69 Watt Bulb	0314820
3	3/4" NPT U-Pipe Drop, 6" Long	0246117
4	Universal Mounting Bracket	1781544
5	3/4" x 1/2" Reducer	0243002
6	1/2" Romax Connector	0314161
7	4 Cond. 14 Gauge Cable, 20' Long	1810286
8	Inline Fuse Holder	0314882
9	1.5 Amp Fuse	0314858
10	Scotchlok Connector	0314151
11	1/2" Cord Connector	0314119

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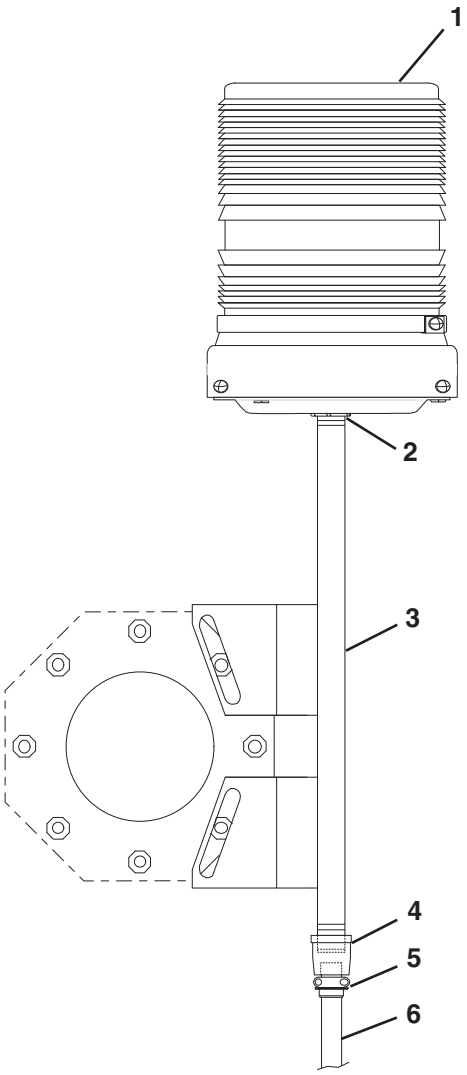
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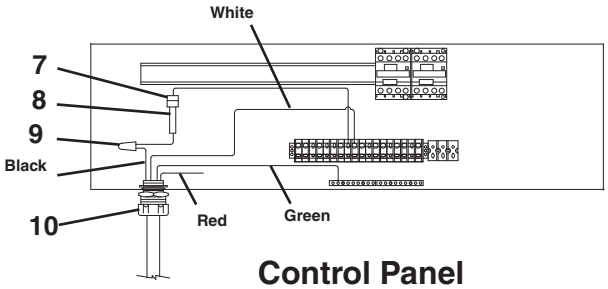


Last Tower Box

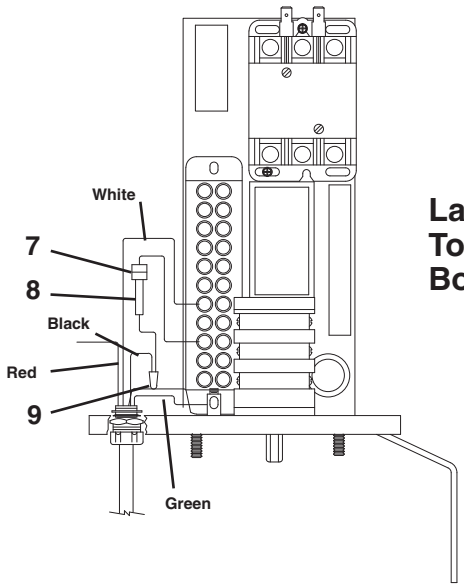
ITEM	DESCRIPTION	PART #
1	Globe Gasket	0995205
2	Amber Strobe Bulb	03E1660
	Blue Strobe Bulb	03E1661
	Red Strobe Bulb	03E1885
	Clear Strobe Bulb	03E2149
3	Replacement Lamp	03E1803
4	Globe & Pendant Assembly	0315737
5	3/4" NPT U-Pipe Drop, 6" Long	0246117
6	Universal Mounting Bracket	1781544
7	3/4" x 1/2" Reducer	0243002
8	1/2" Romax Connector	0314161
9	4 Cond. 14 Gauge Cable, 20' Long	1810286
10	Inline Fuse Holder	0314882
11	1.5 Amp Fuse	0314858
12	Scotchlok Connector	0314151
13	1/2" Cord Connector	0314119
	COMPLETE Amber Strobe Bulb Pkg	0000C30
	COMPLETE Blue Strobe Bulb Pkg	0000C29
	COMPLETE Red Strobe Bulb Pkg	0000C54
	COMPLETE Clear Strobe Bulb Pkg	0000E18

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Control Panel

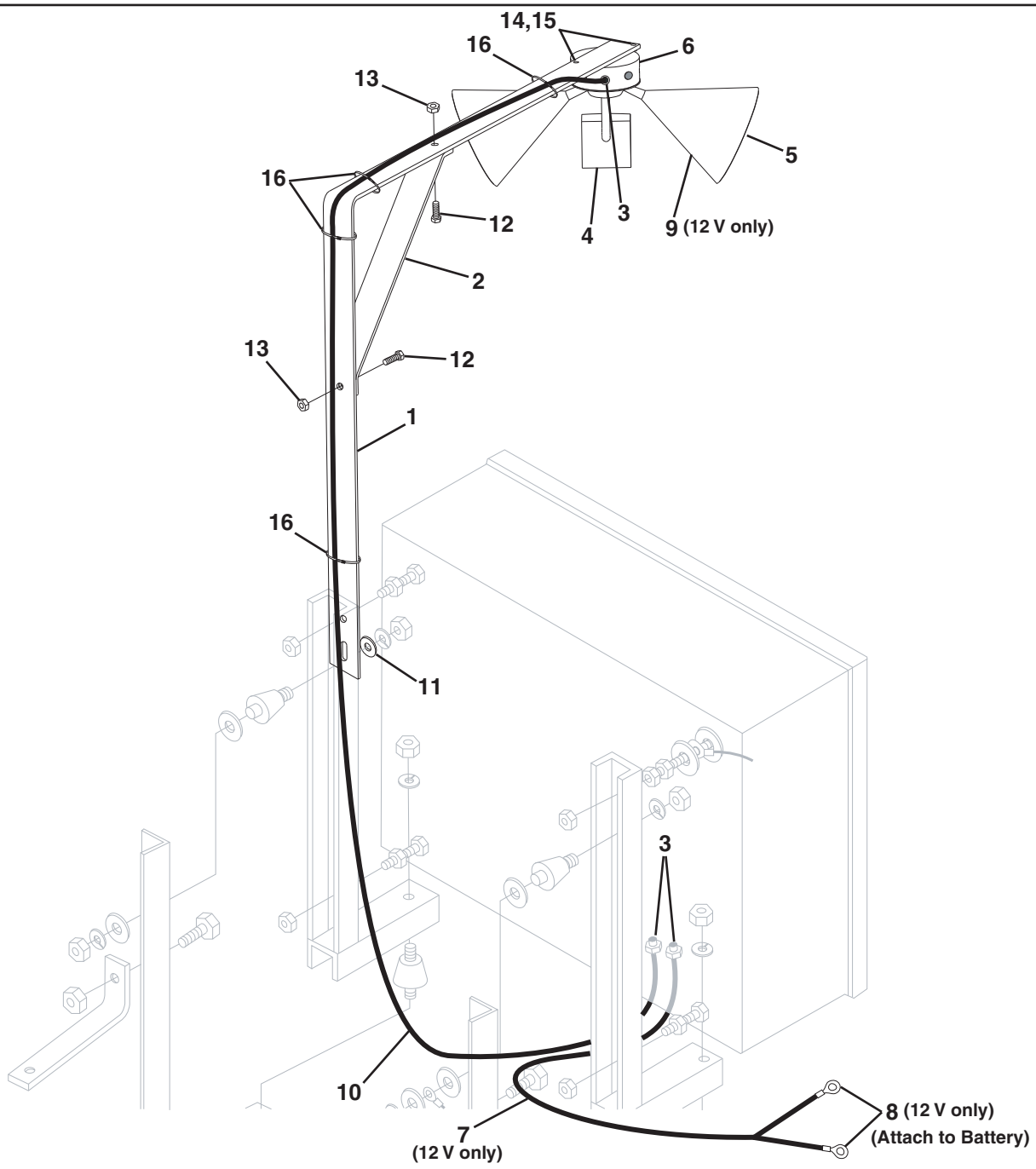


Last Tower Box

ITEM	DESCRIPTION	PART #
1	Strobe Running Light - 120V	03E1356
	Strobe Tube Replacement	03E1357
2	3/4" NPT Romax Lock Nut	0315132
3	Universal Mounting Bracket	1781544
4	3/4" x 1/2" Reducer	0243002
5	1/2" Romax Connector	0314161
6	4 Cond. 14 Gauge Cable, 20' Long	1810286
7	Inline Fuse Holder	0314882
8	1.5 Amp Fuse	0314858
9	Scotchlok Connector	0314151
10	1/2" Cord Connector	0314119

COMPLETE Running Light (Flashing) Retro-Fit Pkg..... 0000794
COMPLETE Running Light (Flashing) Retro-Fit Pkg.(8" Sys.) OBSOLETED..... 0000795

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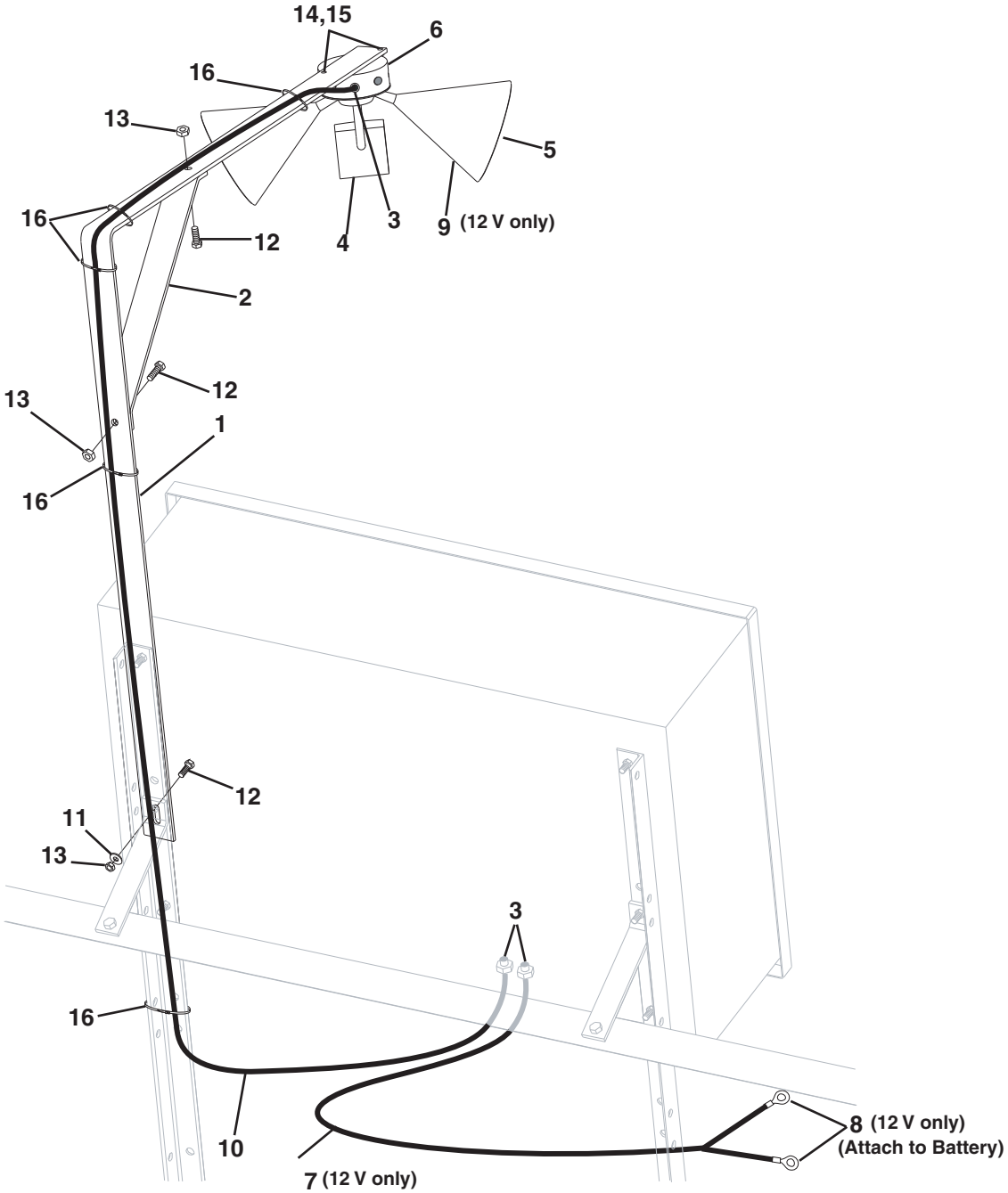


ITEM	DESCRIPTION	PART #
1	Light Mount Arm	9360630
2	Light Mount Brace	9360631
3	Strain Relief , 1/2" Hub	0314119
4	12 V Motion Sensor	03E1947*
	120 V Motion Sensing Kit	03E1945*
5	25 Watt Incandescent Bulb (12V)	03E1948*
	100 Watt Incandescent Bulb (120V)	03E1946
6	4" Round Outlet Box (5 Hole) w/Cover	03E1944*
7	Electrical Cable - 4 Cond. 14 Ga., 31' Long	1811499
8	1/4" Eyelet Terminal - OBSOLETED Nov. 2015	03E1408
9	Hooded Par Holder Kit (w/12v Only)	03E1951*
10	Electrical Cable - 4 Cond. 14 Ga., 12' Long	1813611

ITEM	DESCRIPTION	PART #
11	5/16" Flat Washer	0142017
12	3/8" x 1-1/4" Cap Screw	0161153
13	3/8" Lock Nut	0133006
14	10-24 x 1-1/4" Cap Screw	0164136
15	10-24 Hex Nut	0131055
16	Harness Tie	0314225
	120V Maintenance Light Pkg.	0000D04
	12V Maintenance Light Pkg.	0000D05

*** NOTE: Items OBSOLETED Dec 2016.**

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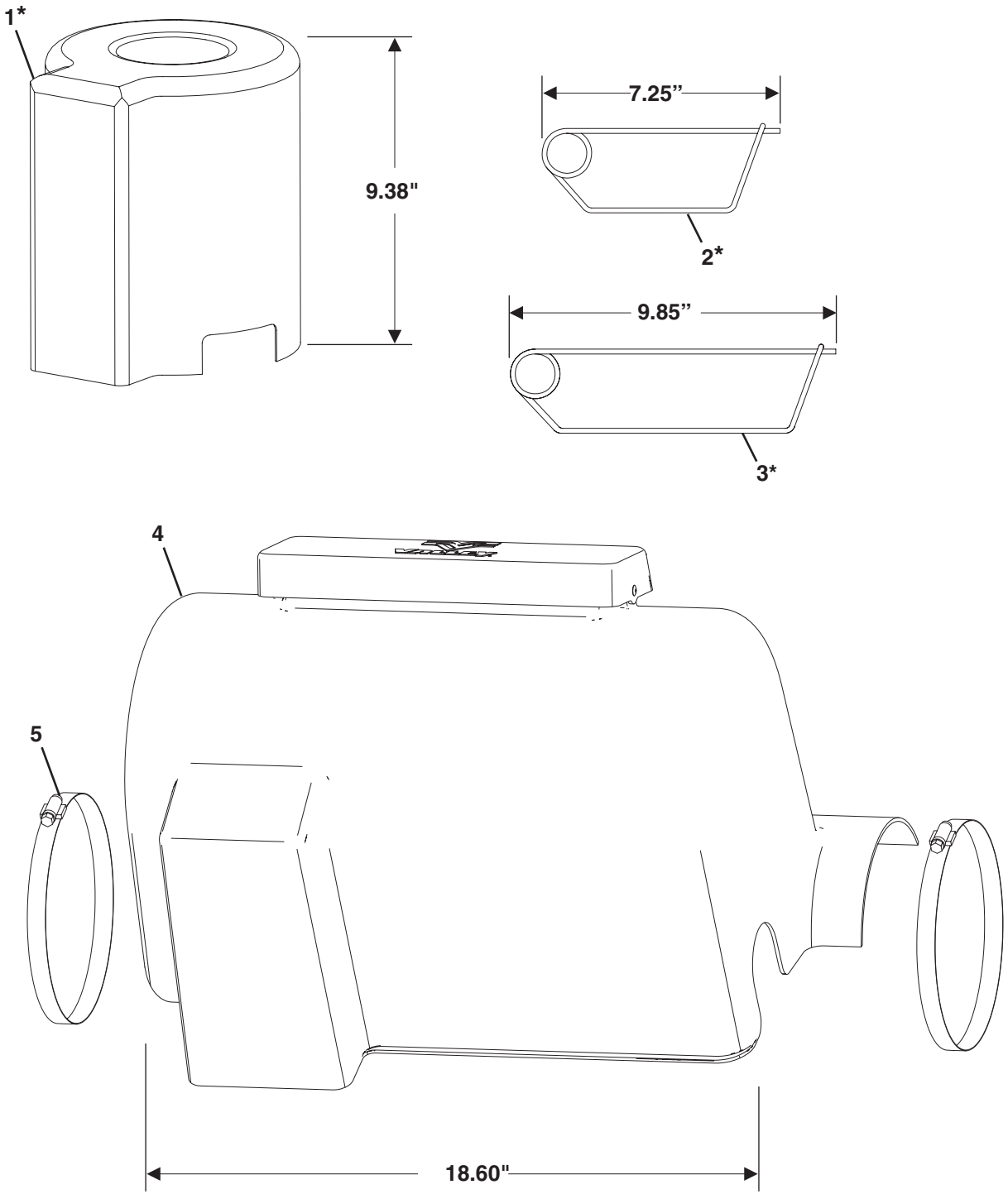


ITEM	DESCRIPTION	PART #
1	Light Mount Arm	9360630
2	Light Mount Brace	9360631
3	Strain Relief , 1/2" Hub	0314119
4	12 V Motion Sensor	03E1947*
	120 V Motion Sensing Kit	03E1945*
5	25 Watt Incandescent Bulb (12V)	03E1948*
	100 Watt Incandescent Bulb (120V)	03E1946
6	4" Round Outlet Box (5 Hole) w/Cover	03E1944*
7	Electrical Cable - 4 Cond. 14 Ga., 31' Long	1811499
8	1/4" Eyelet Terminal - OBSOLETED Nov. 2015	03E1408
9	Hooded Par Holder Kit (w/12v Only)	03E1951*
10	Electrical Cable - 4 Cond. 14 Ga., 12 ' Long	1813611

ITEM	DESCRIPTION	PART #
11	3/8" Flat Washer	0142031
12	3/8" x 1-1/4" Cap Screw	0161153
13	3/8" Lock Nut	0133006
14	10-24 x 1-1/4" Cap Screw	0164136
15	10-24 Hex Nut	0131055
16	Harness Tie	0314225
	120V Maintenance Light Pkg.	0000D04
	12V Maintenance Light Pkg.	0000D05

*** NOTE: Items OBSOLETED Dec 2016.**

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ITEM	DESCRIPTION	PART #
1	Worm Drive Motor Cover	9360360*
2	Motor Cover Safety Pin - Short	0995301*
3	Motor Cover Safety Pin - Long	0996276*
4	Motor Cover w/Cap Assm. - Basebeam Mount	0997879
5	6-5/8" Hose Clamp	0271087

***NOTE: Service Parts Only.**

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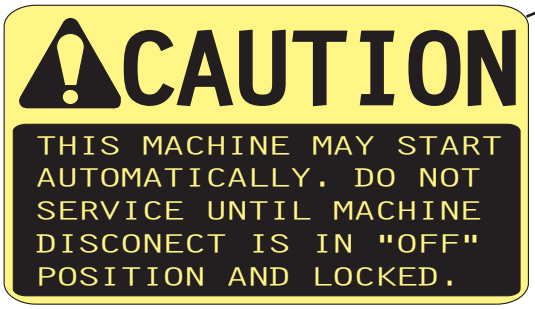
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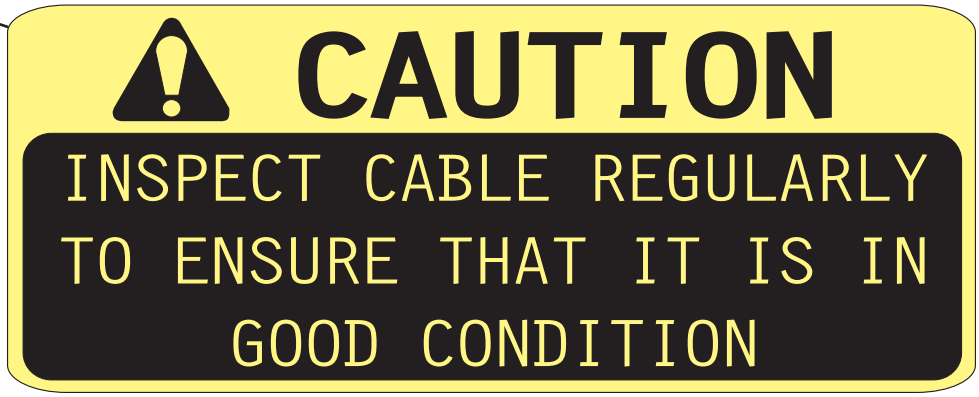
2



3



4



ITEM	DESCRIPTION	PART #
1	Copper Wire Only	0994836
2	Caution: Safety Switch Off Position	0992748
3	Caution: Automatic Restart	0992221
4	Caution: Inspect Cable Regularly	0992750

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1

DANGER
HIGH VOLTAGE

2

DANGER
480 VOLTS

3

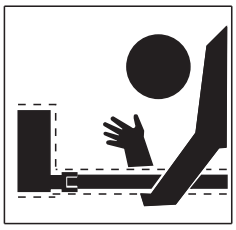
DANGER
HIGH VOLTAGE
DO NOT OPEN UNLESS PIVOT DISCONNECT SWITCH IS IN THE "OFF" POSITION

4

DANGER

Drive Shaft Starts Without Warning!

- Do not touch rotating drive shaft or shield. Clothing or limbs may become entangled, resulting in severe injury.
- Do not service until machine is locked in the off position.
- Always replace drive shaft shield after servicing.



5

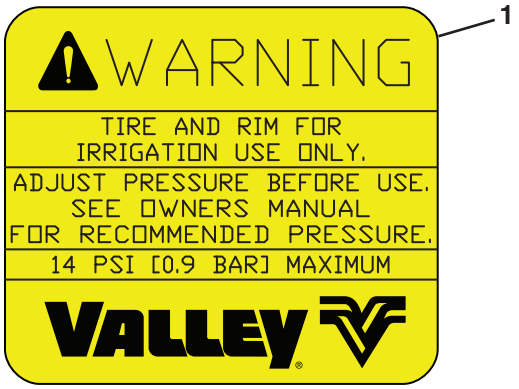
DANGER
480 VOLTS DO NOT OPEN UNTIL SERVICE DISCONNECT IS IN "OFF" POSITION AND LOCKED

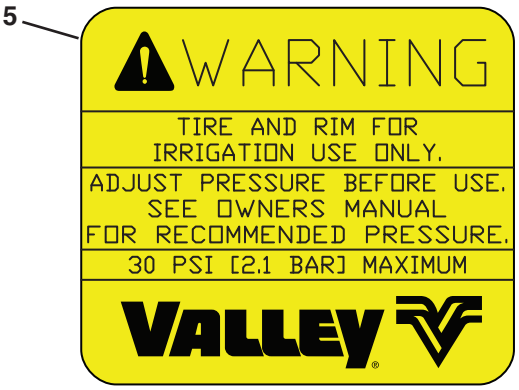
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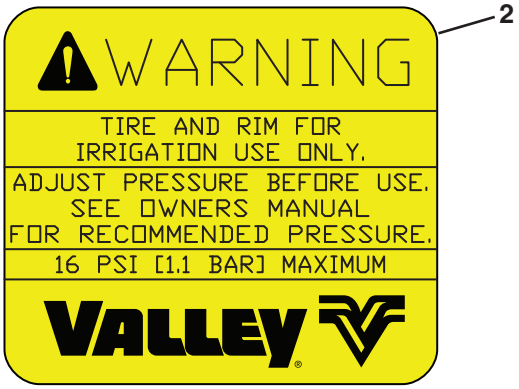
DANGER
480 VOLTS DO NOT OPEN UNTIL MACHINE DISCONNECT IS IN "OFF" POSITION AND LOCKED

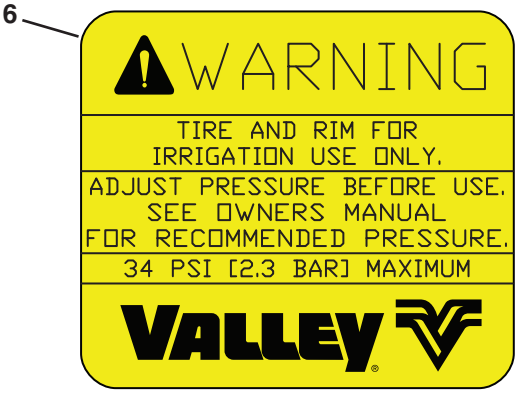
ITEM	DESCRIPTION	PART #
1	Danger: High Voltage - OBSOLETED Feb 2017	0992989
2	Danger: 480 Volts	0992749
3	Danger: High Voltage	0991148
4	Danger: Drive Shaft	0994146
5	Danger: 480 Volts Service - OBSOLETED Nov. 2015	0991651
6	Danger: 480 Volts Machine	0991261

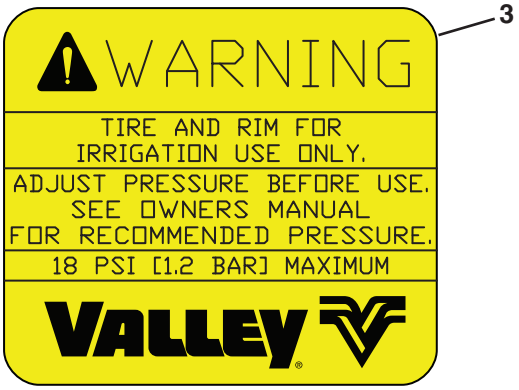
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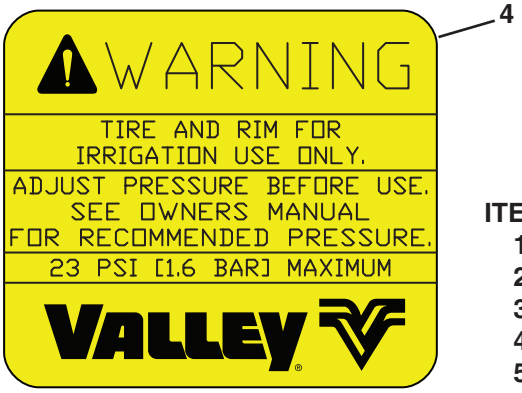








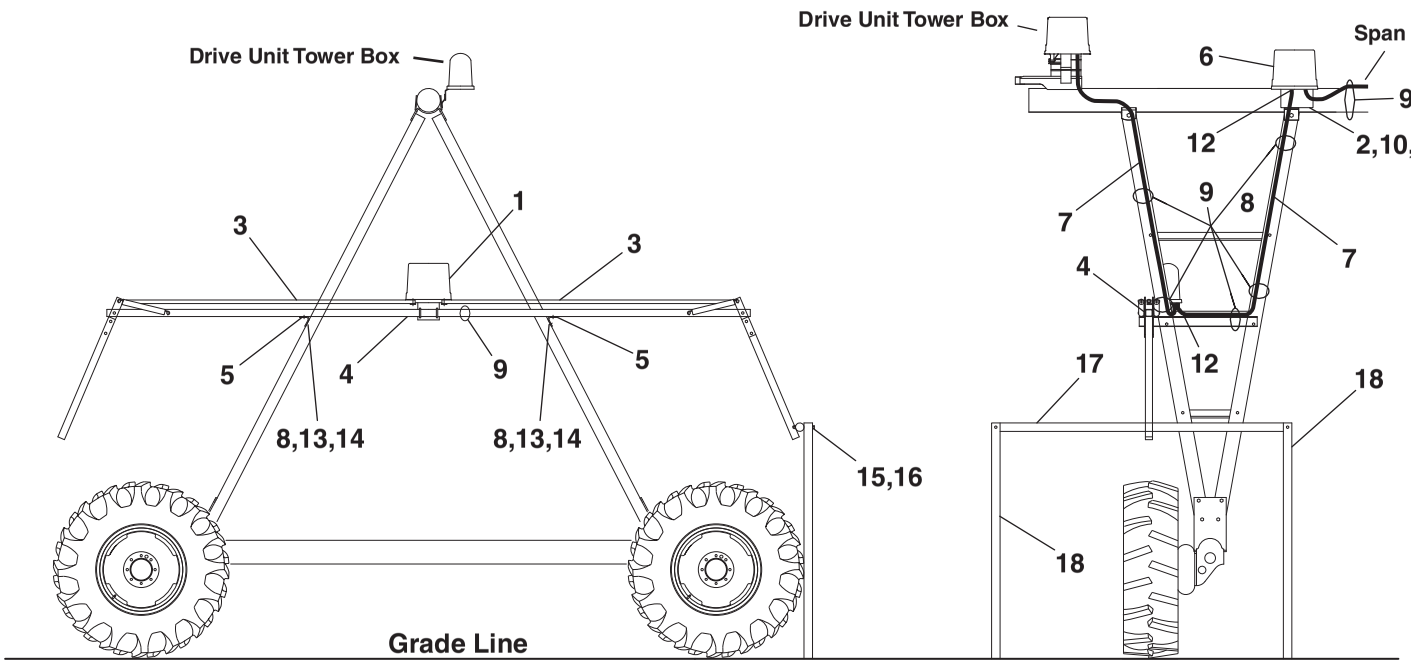






ITEM	DESCRIPTION	PART #
1	Warning: Inflation Pressure	0997494
2	Warning: Inflation Pressure	0997472
3	Warning: Inflation Pressure	0991532
4	Warning: Inflation Pressure	0991593
5	Warning: Inflation Pressure	0991366
6	Warning: Inflation Pressure	0996109
7	Warning: Stay Clear	0992751

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Based on Standard Profile Drive Unit with 11.2 x 24" retreads and must be adjusted for other profiles and tire sizes.

ITEM	DESCRIPTION	PART #
1	Auto Reverse/Auto Stop Box (Eff. June 01)	1814126
	Auto Reverse/Auto Stop Box (Prior to June 01)	1812340
	End-of-Field Stop Box (Eff. June 01)	1814135
	End-of-Field Stop Box (Prior to June 01)	1812341
	Bender 30 Stop Box	1814920
2	5/16" Lock Nut	0133007
3	Actuator Tube (Std & Low Profile)	1731376
	Actuator Tube (High Profile)	1780827
	Actuator Tube (Ultra High Profile)	9360199
4	Mounting Beam (Std & Low Profile)	1731383
	Mounting Beam (High Profile)	1780826
	Mounting Beam (Ultra High Profile)	9360198
5	Mount - 33" End-to-End	9360846
	Mount - 38.88" End-to-End (Low Profile)	1780768
	Mount - 30.41" End-to-End (High & Ultra High Profile)	9361040
6	Tower Junction Box	1812410
7	Elec. Cable 12 Cond. 10 Ga. (12'-8" Long)	1815287
	Elec. Cable 12 Cond. 10 Ga. (16' Long)	1813106
	Elec. Cable 12 Cond. 10 Ga. (18'-4" Long)	1815288
	Elec. Cable 12 Cond. 10 Ga. (24' Long)	1811446
8	5/8" x 1-3/4" Cap Screw	0161088
9	Clamp	0271021
10	5/16" x 1" Cap Screw	0161052

ITEM	DESCRIPTION	PART #
11	Control Box Mounting Plate	1700494
12	Strain Relief Hub	0314466
13	5/8" Lock Nut	0133010
14	5/8" Flat Washer	0142011
15	1/2" Lock Nut	0133005
16	1/2" x 5-1/2" Cap Screw	0161018
17	Horizontal Stop Arm	1731368
18	Vertical Stop Arm	1731384
	A.R.A.S. Pivot Hardware Kit	KA00811

SERVICE PACKAGES

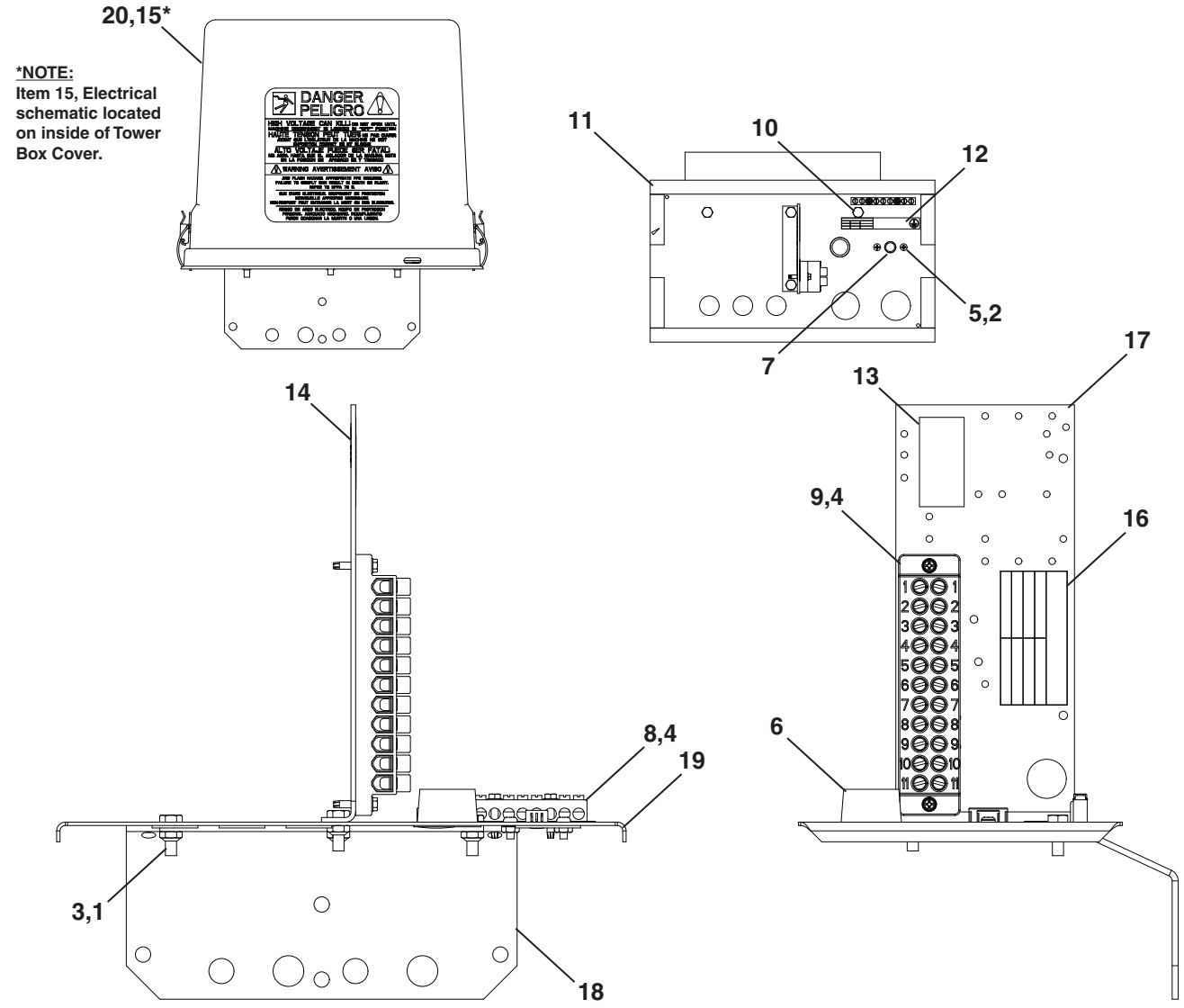
Add End of Field Stop	0000A74
Add End of Field Auto Reverse	0000A75
Add End of Field Stop - Low Profile	0000E07
Add End of Field Auto Reverse - Low Profile	0000E06
Add End of Field Stop - High Profile	0000E08
Add End of Field Auto Reverse - High Profile	0000E09
Add End of Field Stop - Ultra High Profile	0000E10
Add End of Field Auto Reverse - Ultra High Profile	0000E11
Add End of Field Posts	0000A76
Add End of Field Barriers	0000A99

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ITEM	DESCRIPTION	PART #
1	Auto Reverse/Auto Stop Box (Prior to June 01)	1812340
	Auto Reverse/Auto Stop Box (Eff. June 01)	1814126
	End-of-Field Stop Box (Prior to June 01)	1812341
	End-of-Field Stop Box (Eff. June 01)	1814135
2	5/16" Lock Nut	0133007
3	5/16" x 2" Cap Screw	0161079
4	5/16" Flat Washer	0142017
5	Bushing	1731374
6	Actuator Tube (Std & Low Profile)	1731376
	Actuator Tube (High Profile)	1780827
	Actuator Tube (Ultra High Profile)	9360199
7	3/8" x 2" U-Bolt	0176053
8	Mounting Beam (Std & Low Profile)	1731383
	Mounting Beam (High Profile)	1780826
	Mounting Beam (Ultra High Profile)	9360198

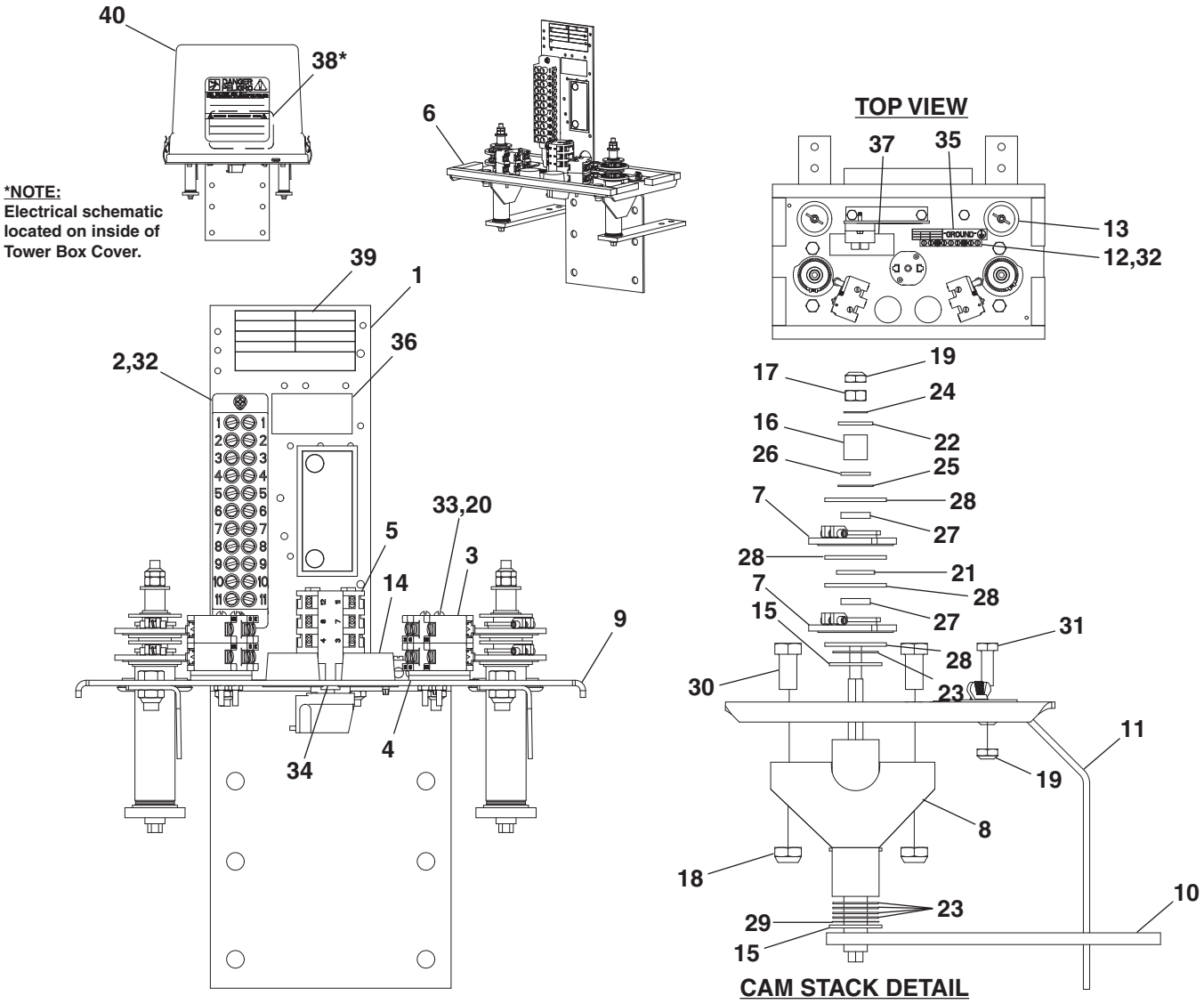
ITEM	DESCRIPTION	PART #
9	Mount - 33" End-to-End	9360846
	Mount - 38.88" End-to-End(Low Profile)	1780768
	Mount - 30.41" End-to-End(High & Ultra High Prof.)	9361040
10	Spring	0181007
11	1/2" x 6" All-Thread	1731414
12	1/2"Lock Nut	0133005
13	1/2" Hex Nut	0131015
14	1/2" Flat Washer	0142026
15	Side Plate	1731375
16	Pivoting Arm	1731382
17	1/2" x 3-1/2" Cap Screw	0161060
18	3/8" Flat Washer	0142031
19	3/8" Lock Washer	0141007
20	3/8" Hex Nut	0131018

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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/ External Tooth Lock Washer	0134059
3	1/4" x 3/4" Cap Screw	0161057
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	#8 x 3/8" RH Screw - Phillips Head	0164193
6	15X Caplug	0261010
7	Snap Button Hole Plug - 1/2" Hole	0314749
8	Ground Lug - 7 Terminal	0315120
9	Terminal Block - D-11	03E1899
10	Snap Button Hole Plug - 7/8" Hole	03E2166
11	Tower Box Gasket Kit	0992071
12	Decal - Ground	0992925
13	Decal - Power Supply - 1,5 HP 10 Amps	0994149
14	Decal - 3R Enclosure	0996403
15	Decal - Electrical Schem. Tower Junction Box	0997155
16	Decal - Terminal Block Torque Copper Wire	0998450
17	Vertical Component Bracket	1702053
18	Tower Box Mounting Plate	1702054
19	Bottom Plate	1702216
20	Tower Box Cover - UL	9311146
	COMPLETE Tower Junction Box	1812410

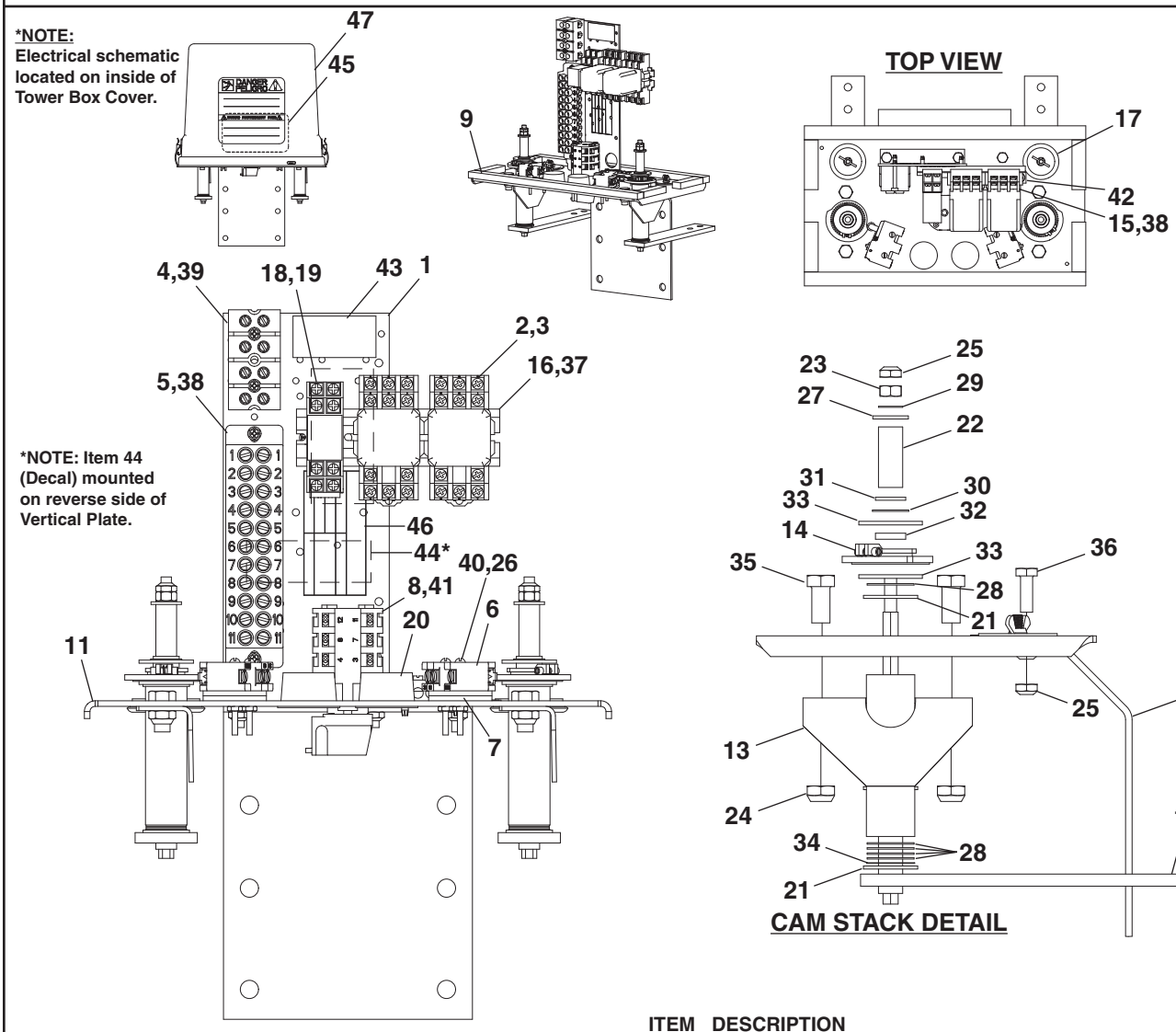
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ITEM	DESCRIPTION	PART #
1	Vertical Plate	1702053
2	Terminal Block	03E1899
3	Micro Switch	03E0307
4	Insulator	1701632
5	Disconnect Switch	0315746
6	Gasket Kit	0992071
7	Adjustable Cam	0314630
8	Sensor Bearing Assembly w/Bushing	1703336
9	Bottom Plate	9332173
10	Cam Shaft Assembly	1731734
11	Mounting Plate	9332172
12	Ground Lug	0315120
13	1" Hole Plug	03E0175
14	15X Caplug	0261010
15	Sensor Arm Washer	1701269
16	Spacer	1760479
17	1/4" Hex Nut	0131020
18	3/8" Lock Nut	0133006
19	1/4" Lock Nut	0133008
20	#6 Hex Nut	0134027
21	13/32" Flat Washer	0141035

ITEM	DESCRIPTION	PART #
22	1/4" Flat Washer	0142022
23	Washer .030 x .510 x .968 - Stainless Steel	0143047
24	1/4" Belleville Washer - Stainless Steel	0143054
25	3/8" Belleville Washer - Stainless Steel	0143055
26	Washer .625 x .375 x .062 - Stainless Steel	0143059
27	Washer .625 x .375 x .125 - Stainless Steel	0143060
28	Washer 5/16" x 1.312 Hex Hole	0143062
29	Washer .010 x .512 x .996 - Stainless Steel	0143066
30	3/8" x 3/4" Cap Screw	0161046
31	1/4" x 3/4" Cap Screw	0161057
32	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
33	#6 x 2-1/4" Machine Screw - Right Hand	0164090
34	Decal - Disconnect	0992090
35	Decal - Ground	0992925
36	Decal - UL Circuit Supply - 120V	0994147
37	Decal - 3R Enclosure	0996403
38	Decal - Electrical Schematic	0997156
39	Decal - Terminal Block Torque Copper Wire	0998450
40	Tower Box Cover - UL	9311146
	A.R.A.S Internal Switch Box Assm.	1814126

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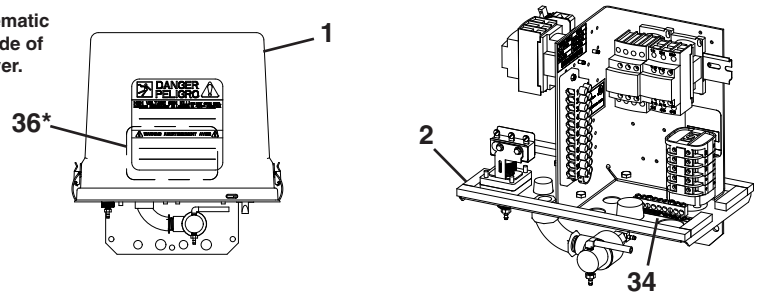


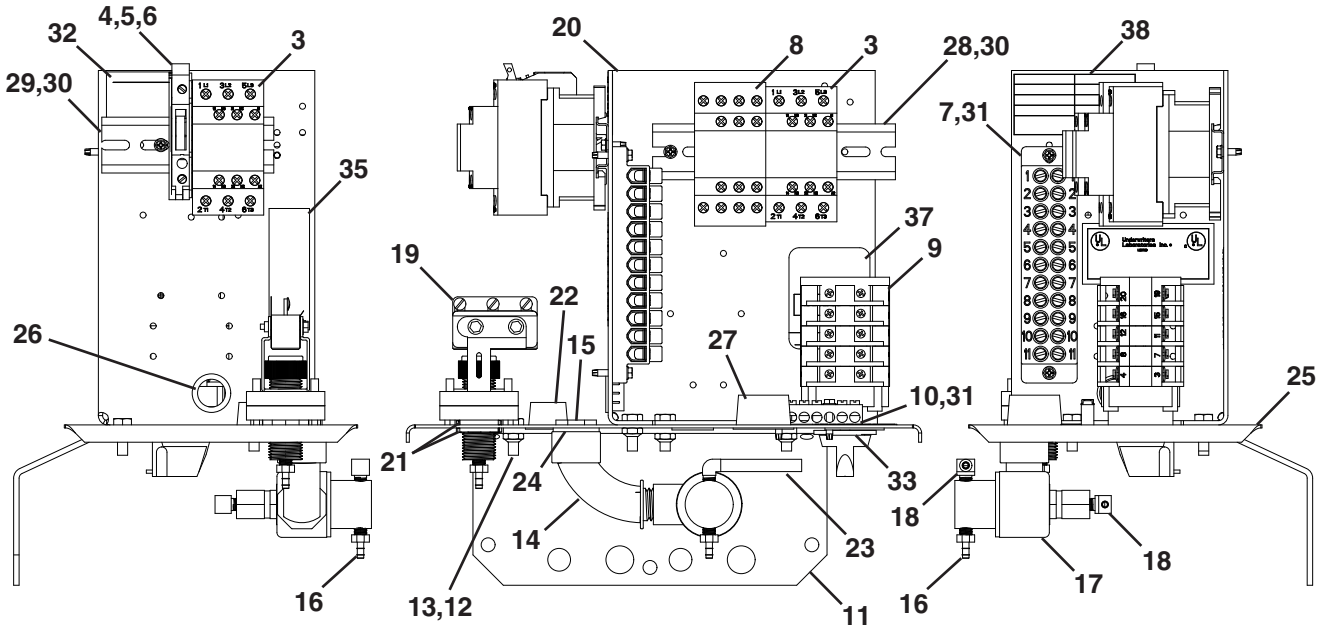
ITEM	DESCRIPTION	PART #
1	Vertical Plate	1702053
2	Relay Socket	03E1650
3	Relay	0314936
4	Terminal Strip	0315571
5	Terminal Block	03E1899
6	Micro Switch	03E0307
7	Insulator	1701632
8	Disconnect	0315746
9	Gasket Kit	0992071
10	Mounting Plate	9332172
11	Bottom Plate	9332173
12	Cam Shaft Assembly	1731734
13	Sensor Bearing Assembly w/Bushing	1703336
14	Adj. Cam	0314630
15	Ground Lug	0315120
16	Din Rail Mount	9310693
17	1" Hole Plug	03E0175
18	Relay Socket - 2 Pole 10A 300V	03E2107
19	Relay w/Indicator - DPDT 120VAC	03E4197
20	15X Caplug	0261010
21	Sensor Arm Washer	1701269
22	Bushing	1731374
23	1/4" Hex Nut	0131020
24	3/8" Lock Nut	0133006

ITEM	DESCRIPTION	PART #
25	1/4" Lock Nut	0133008
26	#6 Hex Nut	0134027
27	1/4" Flat Washer	0142022
28	Washer .030 x .510 x .968 - Stainless Steel	0143047
29	1/4" Belleville Washer - Stainless Steel	0143054
30	3/8" Belleville Washer - Stainless Steel	0143055
31	Washer .625 x .375 x .062 - Stainless Steel	0143059
32	Washer .625 x .375 x .125 - Stainless Steel	0143060
33	Washer 5/16" x 1.312 Hex Hole	0143062
34	Washer .010 x .512 x .996 - Stainless Steel	0143066
35	3/8" x 3/4" Cap Screw	0161046
36	1/4" x 3/4" Cap Screw	0161057
37	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
38	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
39	#8 x 1-1/4"Self-Tapping Screw - Phillips Head	0161357
40	#6 x 1-3/4" Machine Screw - Right Hand	0164134
41	Decal - Disconnect	0992090
42	Decal - Ground	0992925
43	Decal - UL Circuit Supply - 120V	0994147
44	Decal - 3R Enclosure	0996403
45	Decal - Electrical Schematic	0997157
46	Decal - Terminal Block Torque Copper Wire	0998450
47	Tower Box Cover - UL	9311146
	End of Field Internal Switch Box Assm.	**1814135**

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***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.



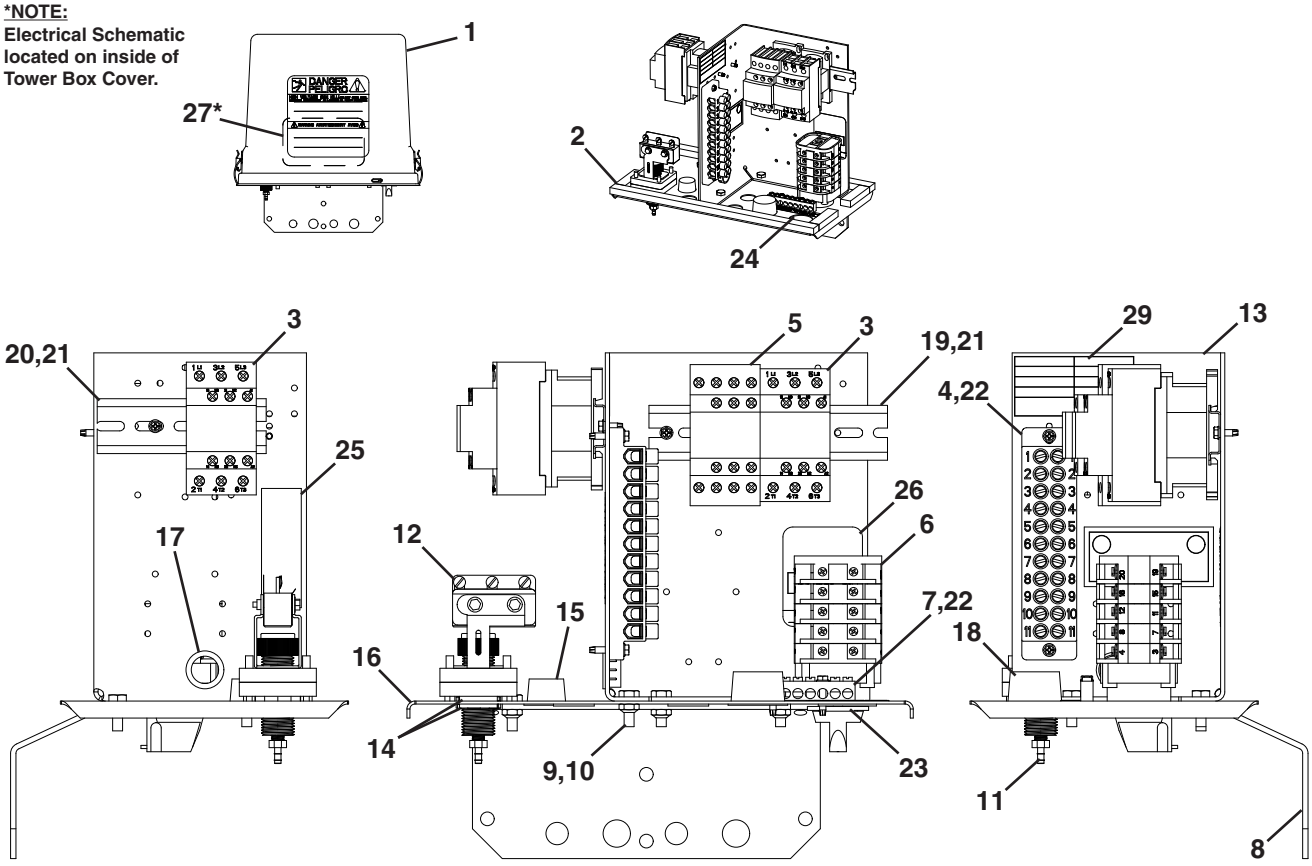


ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Gasket Kit	0992071
3	3 Pole Contactor - 25A 120V (Boxed)	03E3785
4	Fuse - 1.5A	0314858
5	Fuse Block - Din Rail Mount	03E2997
6	Fuse Block Cover	03E2998
7	Terminal Block, 600V	03E1899
8	4 Pole Contactor - 40A 120V	03E3542
9	Disconnect Switch	0314540
10	Grounding Lug	0315120
11	Mounting Plate	1702054
12	1/4" Lock Nut	0133008
13	1/4" x 3/4" Cap Screw	0161057
14	1/2" Bushed Elbow	0241057
15	1/2" Conduit Nipple - Rigid	0244037
16	1/4" MFL Connector - Tube to Male Pipe	0232362
17	Solenoid Valve w/Coil - 120V 60 Cycle NO	0232452
18	Elbow Fitting - Tube to Male Pipe	0232361
19	Pressure Switch	0315994
20	Plate - Booster Pump Control	1702392

ITEM	DESCRIPTION	PART #
21	1/2" Romax Nut	0314160
22	Caplug #12	0261008
23	Nylon Tubing - .304 O.D. x 500'	0272050
24	Flat Washer (OPTIONAL)	0142075
25	Bottom Plate	1702391
26	Snap Bushing	0992070
27	Caplug #15x	0261010
28	Din Rail Mount Channel - 6.00" Long	9310608
29	Din Rail Mount Channel - 4.25" Long	9312350
30	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
31	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
32	Decal - End Gun Fuse, 1.5A	03E1500
33	Decal - Disconnect	0992090
34	Decal - Ground	0992925
35	Decal - 3R Enclosure	0996403
36	Decal - Electrical Schematic	0997151
37	Decal - Electrical Specifications	0997164
38	Decal - Terminal Block Torque Copper Wire	0998450
	Booster Pump Box Assm.	**1811602**

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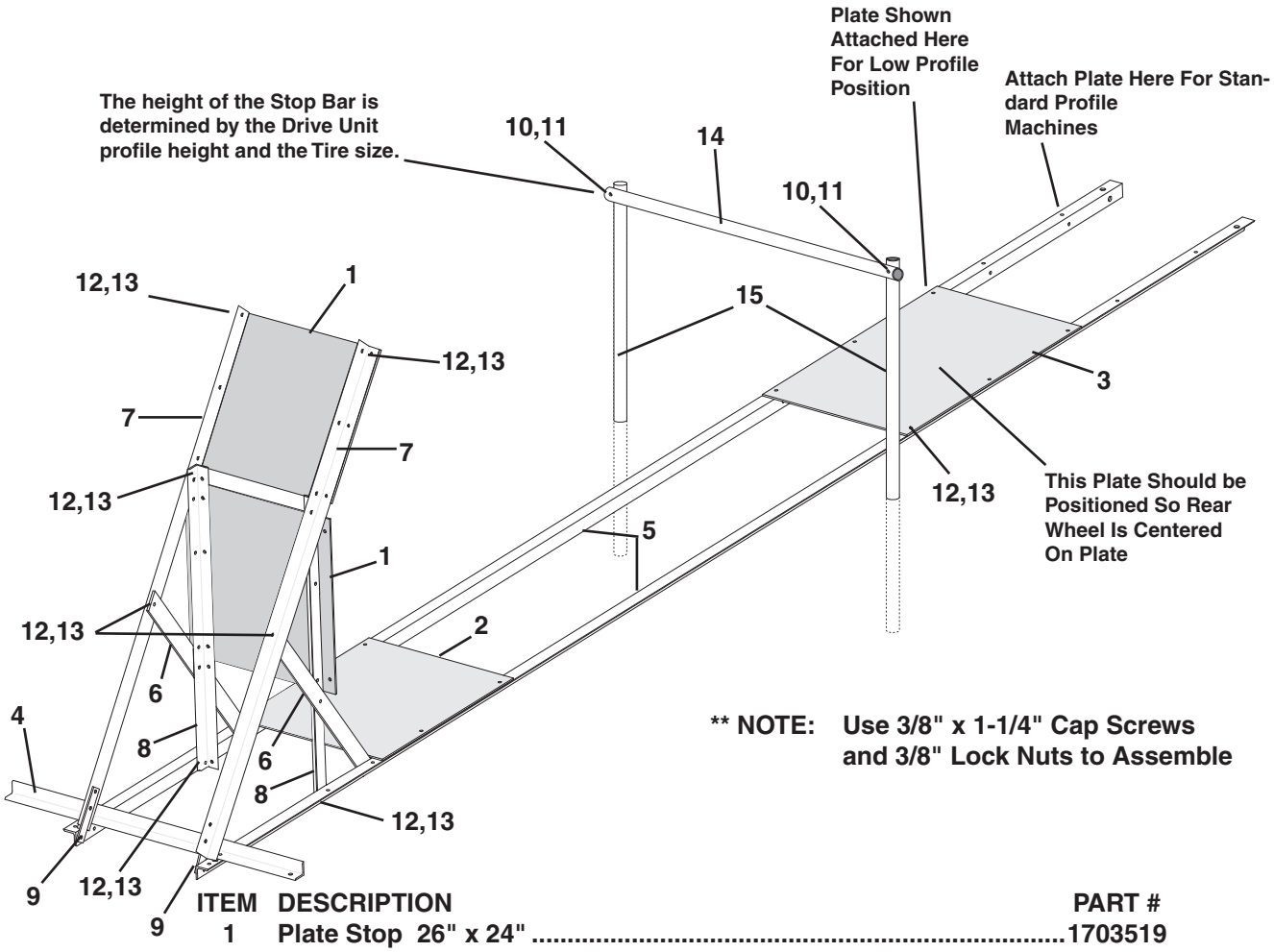
***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.



ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Gasket	0992071
3	3 Pole Contactor - 25A 120V (Boxed)	0993785
4	Terminal Block, 600V	03E1899
5	4 Pole Contactor - 40A 120V	03E3542
6	Disconnect Switch	0314540
7	Grounding Lug	0315120
8	Mounting Plate	1702054
9	1/4" Lock Nut	0133008
10	1/4" x 3/4" Cap Screw	0161057
11	MFL Connector - Tube to Male Pipe	0232362
12	Pressure Switch	0315994
13	Mounting Plate	1702392
14	1/2" Romax Nut	0314160
15	Caplug #12	0261008

ITEM	DESCRIPTION	PART #
16	Bottom Plate	1702391
17	Snap Bushing	0992070
18	Caplug #15x	0261010
19	Din Rail Mount Channel - 6.00" Long	9310608
20	Din Rail Mount Channel - 4.25" Long	9312350
21	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
22	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
23	Decal - Disconnect	0992090
24	Decal - Ground	0992925
25	Decal - 3R Enclosure	0996403
26	Decal - Electrical Specifications	0997164
27	Decal - Electrical Schematic	0998096
28	Decal - Terminal Block Torque Copper Wire	0998450
	Booster Pump Box without Solenoid Valve	**1814967**

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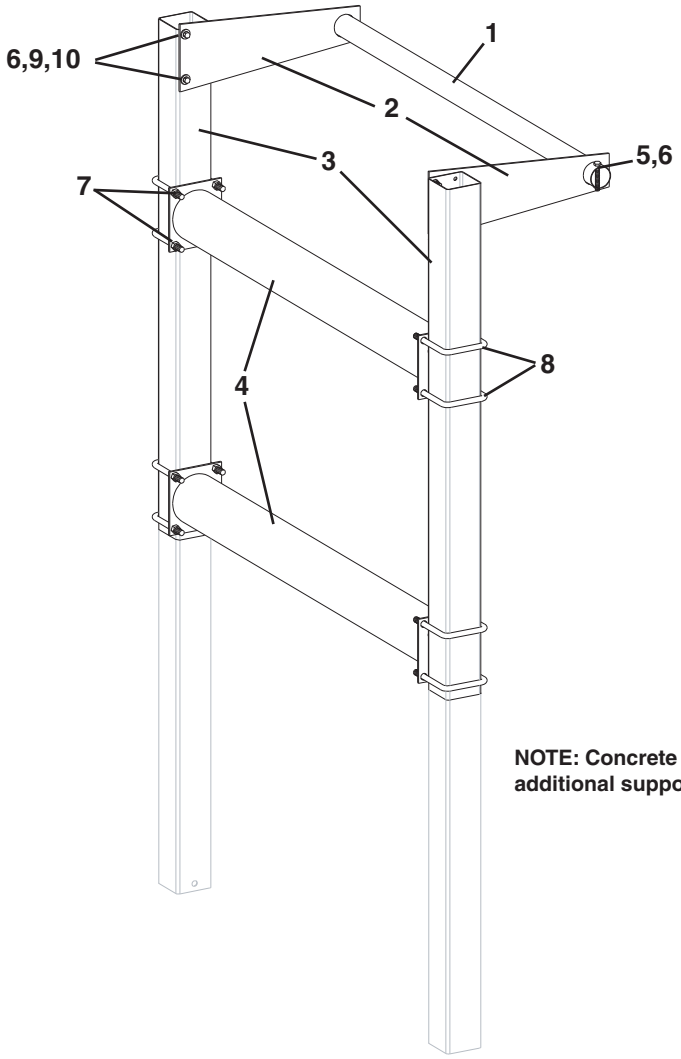
**** NOTE: Use 3/8" x 1-1/4" Cap Screws and 3/8" Lock Nuts to Assemble**

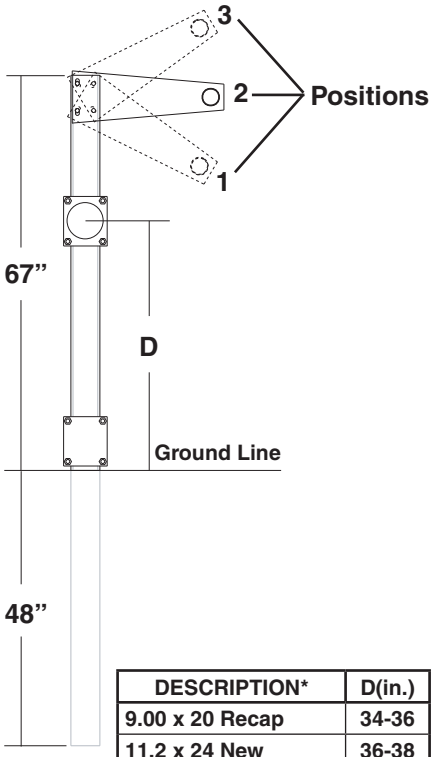
ITEM	DESCRIPTION	PART #
1	Plate Stop 26" x 24"	1703519
2	Plate Front 30" x 24"	1781333
3	Plate Long 40" x 24"	1703689
4	Angle Foot 48" Long	1703515
5	Angle Base 240" Long	1703516
6	Support Brace	9360967
7	Verticle Angle	9360968
8	Support Angle	9360975
9	Support Bar	9360966
10	1/2" x 5-1/2" Cap Screw	0161018
11	1/2" Lock Nut	0133005
12	3/8" Lock Nut	0133006**
13	3/8" x 1-1/4" Cap Screw	0161153**
14	Horizontal Stop Arm	1731368
15	Vertical Stop Arm	1731384

COMPLETE End of Field Barricade Stop Pkg. (Items 10,11,14,15) **0000A76**
COMPLETE Barricade Package **0000A99**
(Not Available on High Profile and Ultra High Profile)

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PROFILE	TIRE SIZE						
	9.00 x 20	11.2 x 24	11 x 24.5	14.9 x 24	16.9 x 24	18.4 X 26	11.2 x 38
Low	Position 1						
Standard	Position 2						
Ultra High							
High	Position 3						





NOTE: Concrete may be used for additional support in soft soil.

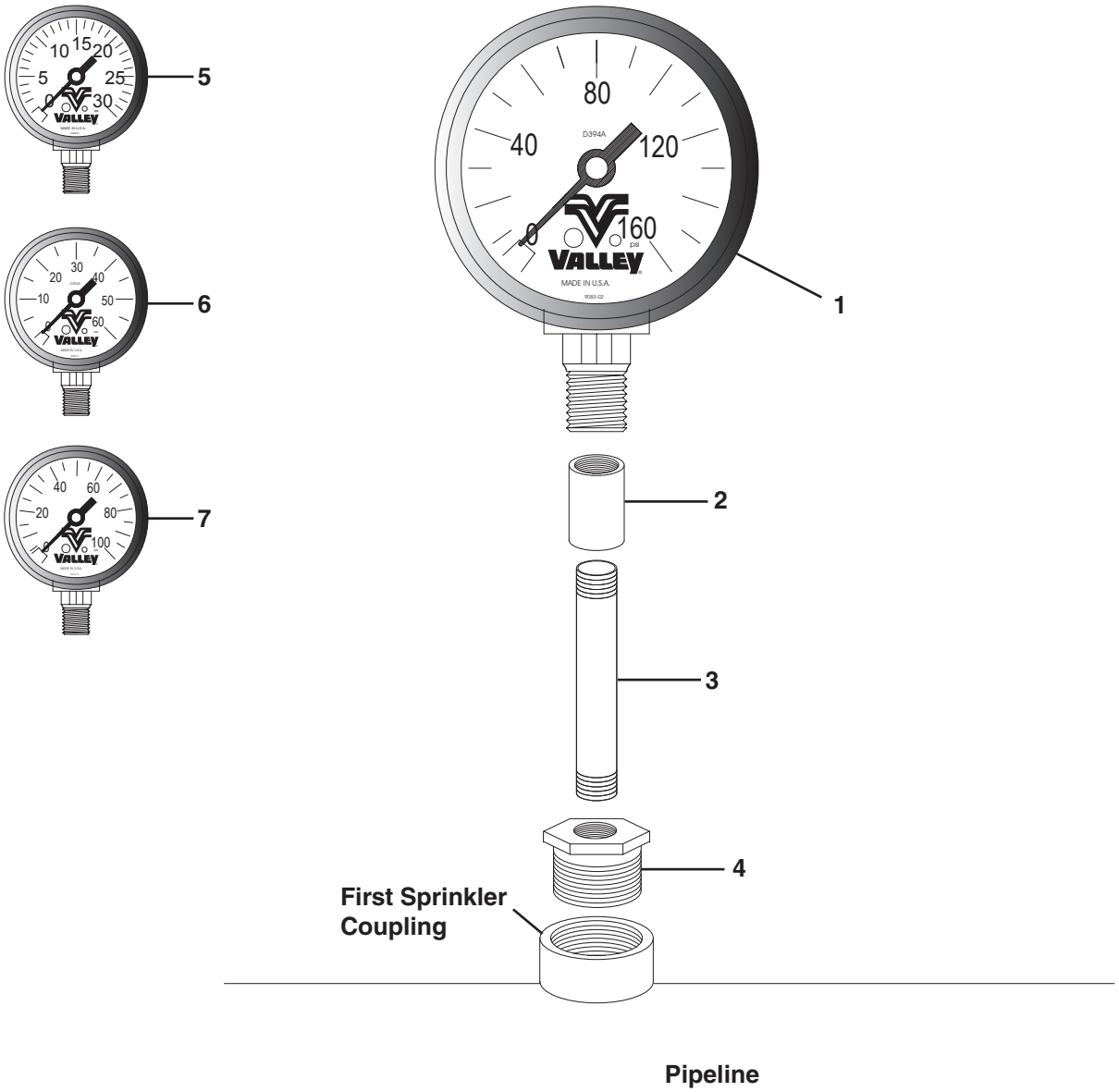
DESCRIPTION*	D(in.)
9.00 x 20 Recap	34-36
11.2 x 24 New	36-38
11 x 24.5 Recap	38-40
14.9 x 24 New	42-44
16.9 x 24 New	44-46
18.4 X 26 New	49-51
11.2 x 38 New	50-52

***NOTE: See Tires & Rims page in Drive Unit/ Drive Train Sect. for part #s.**

ITEM	DESCRIPTION	PART #
1	EOF Stop Barricade Actuator Bar	9360974 *
2	EOF Stop Barricade Stop Plate	9360969 *
3	EOF Stop Barricade Vertical Post	9360970 *
4	EOF Stop Barricade Crossbar	9360973 *
5	1/2” x 3-1/2” Cap Screw	0161060 **
6	1/2” Lock Nut	0133005 **
7	3/4” Hex Nut	0131008 **
8	3/4” x 7” U-Bolt	0176048 **
9	1/2” x 1-1/4” Cap Screw	0161027 **
10	1/2” Flat Washer	0142026 **

****End of Field Stop Barricade Hardware Kit KA09377***
*** End of Field Stop Barricade Post Type Package....0000E02**

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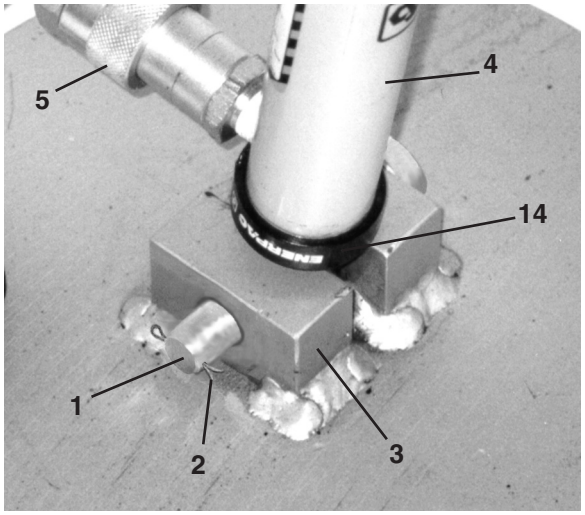


ITEM	DESCRIPTION	PART #
1	0-160 PSI Pressure Gauge	0231001
2	1/4" Coupling	0245008
3	1/4" x 3" Nipple	0211031
4	3/4" x 1/4" Reducer Bushing	0244025
5	0-30 PSI Pressure Gauge	0231122
6	0-60 PSI Pressure Gauge	0232442
7	0-100 PSI Pressure Gauge	0232501

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Ext-Magnesium Anode 3/4" x 3/8" w/ 1/8" Core..... 0994509

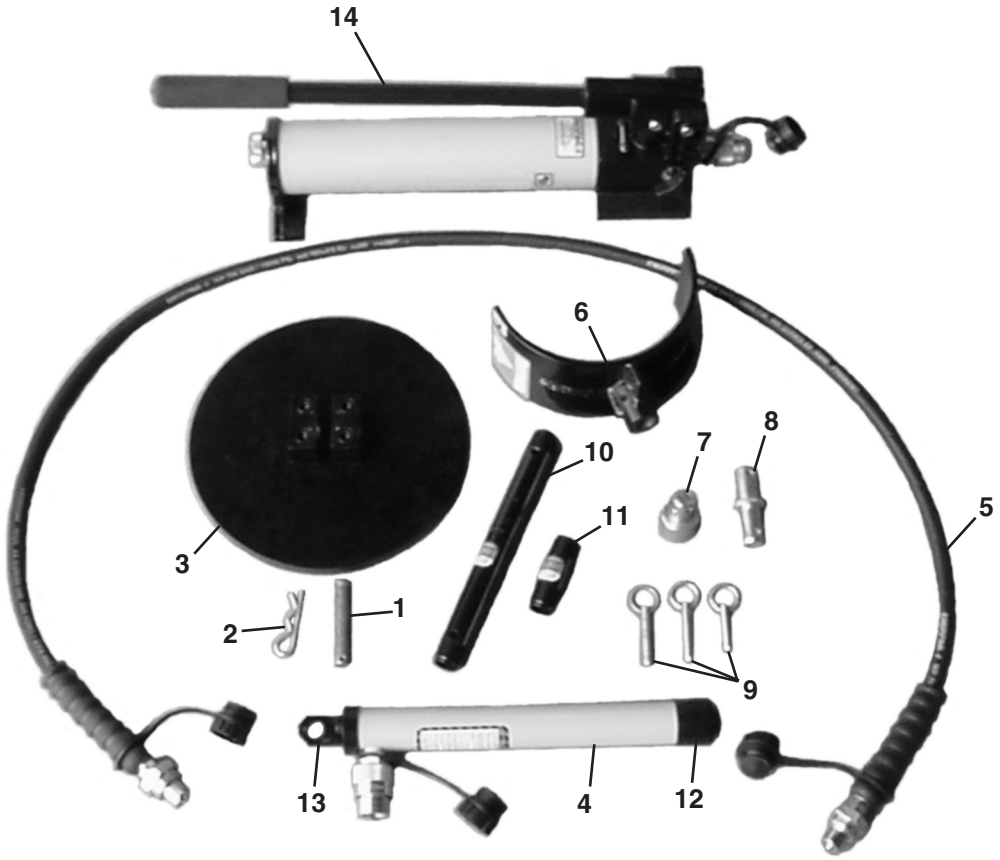
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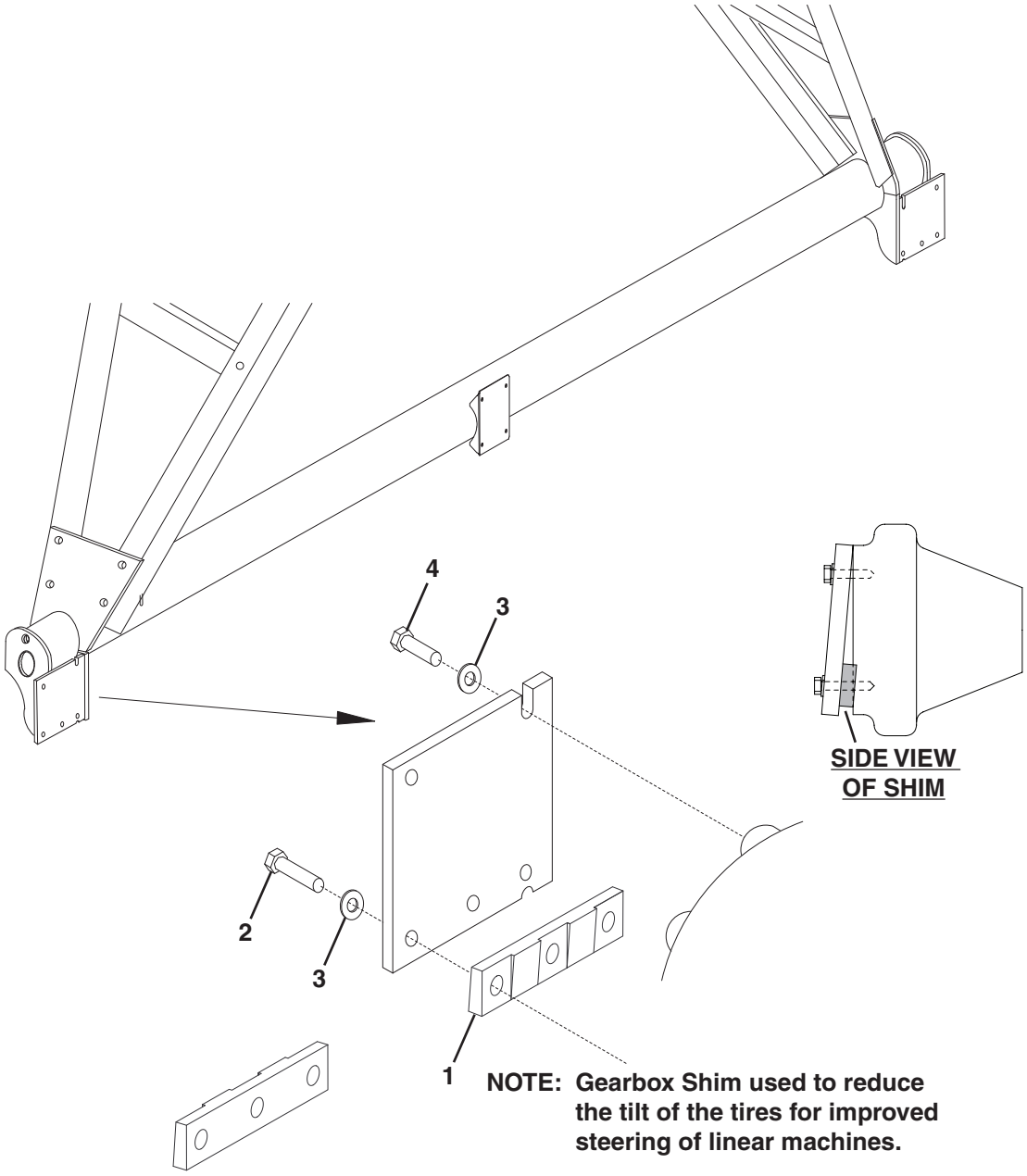
PRODUCTS NO LONGER AVAILABLE

ITEM	DESCRIPTION	PART #
1	Clevis Pin, 5/8" x 3" ..... OBSOLETE ..	0996157 *
2	Cotter Pin, 1/8" x 1-1/2" ..... OBSOLETE ..	0151010 *
3	Base Plate ..... OBSOLETE ..	0996149 *
4	5 Ton Cylinder, 9.125" Stroke ..... OBSOLETE ..	0996148
5	6' Hose Assembly ..... OBSOLETE ..	0996150
6	Basebeam Saddle ..... OBSOLETE ..	0996147
7	Threaded Female Lock-on Adaptor ..... OBSOLETE ..	0996155
8	Lock-on Connector ..... OBSOLETE ..	0996161
9	Lock Pin ..... OBSOLETE ..	0996156
10	10" Extension ..... OBSOLETE ..	0996160
11	3" Extension ..... OBSOLETE ..	0996158
12	Threaded Adaptor ..... OBSOLETE ..	0996154
13	Cylinder Base Clevis ..... OBSOLETE ..	0996167
14	Hydraulic Hand Pump ..... OBSOLETE ..	0996372
	Valley Manual (not shown) ..... OBSOLETE .	0996375
	Towable Basebeam Jack System - Hand Pump ..... OBSOLETE ..	0996373

*NOTE: Item 3 Base Plate includes items 1 & 2.



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NOTE: Gearbox Shim used to reduce the tilt of the tires for improved steering of linear machines.

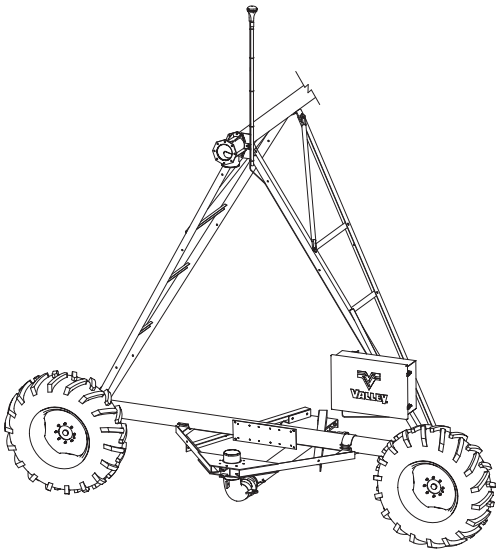
ITEM	DESCRIPTION	PART #
1	Tapered Shim	9363166
2	1/2" x 1-3/4" Cap Screw	0161029
3	1/2" Flat Washer	0142025
4	1/2" x 1-1/4" Cap Screw	0161027

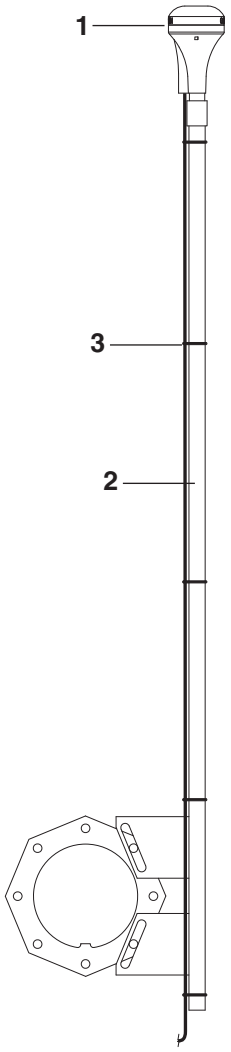
*** COMPLETE Tapered Shim Hardware Kit KA09780**

***NOTE: Kit contains 2 (ea.) Item 1 and 6 (ea.) Item 2 & 3.**

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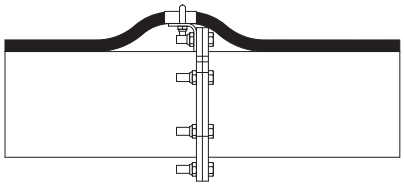
For Linear w/ pro2 AutoPilot ver. 1.10 or later



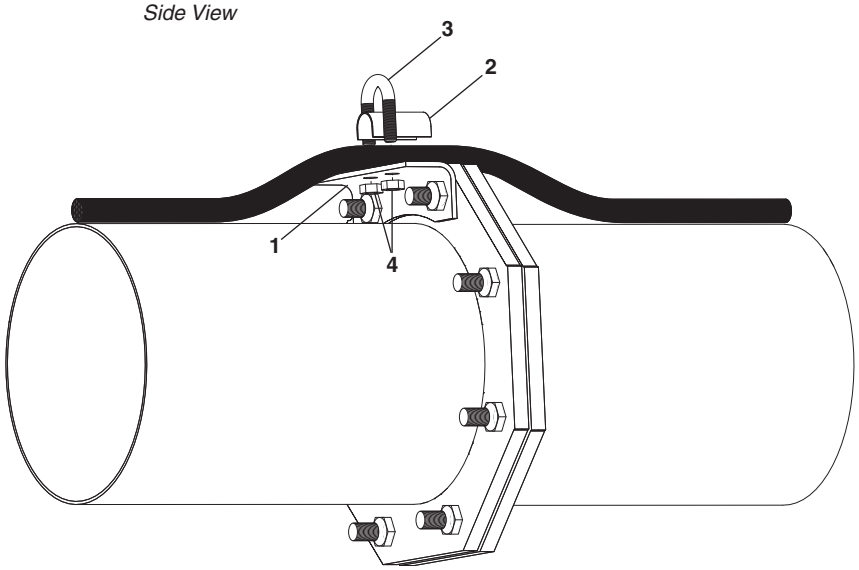


ITEM	DESCRIPTION	PART #
1	GPS - 19X HVS Programmed - Garmin	03E3466
	GPS - Programmed - Novatel - OBSOLETED May 18	03E2818
2	Mounting Bracket	1781544
3	Ty Wrap	0314225
	GPS Mounting Kit - Linear	KA09832
	GPS Panel Wiring Kit	KA09833

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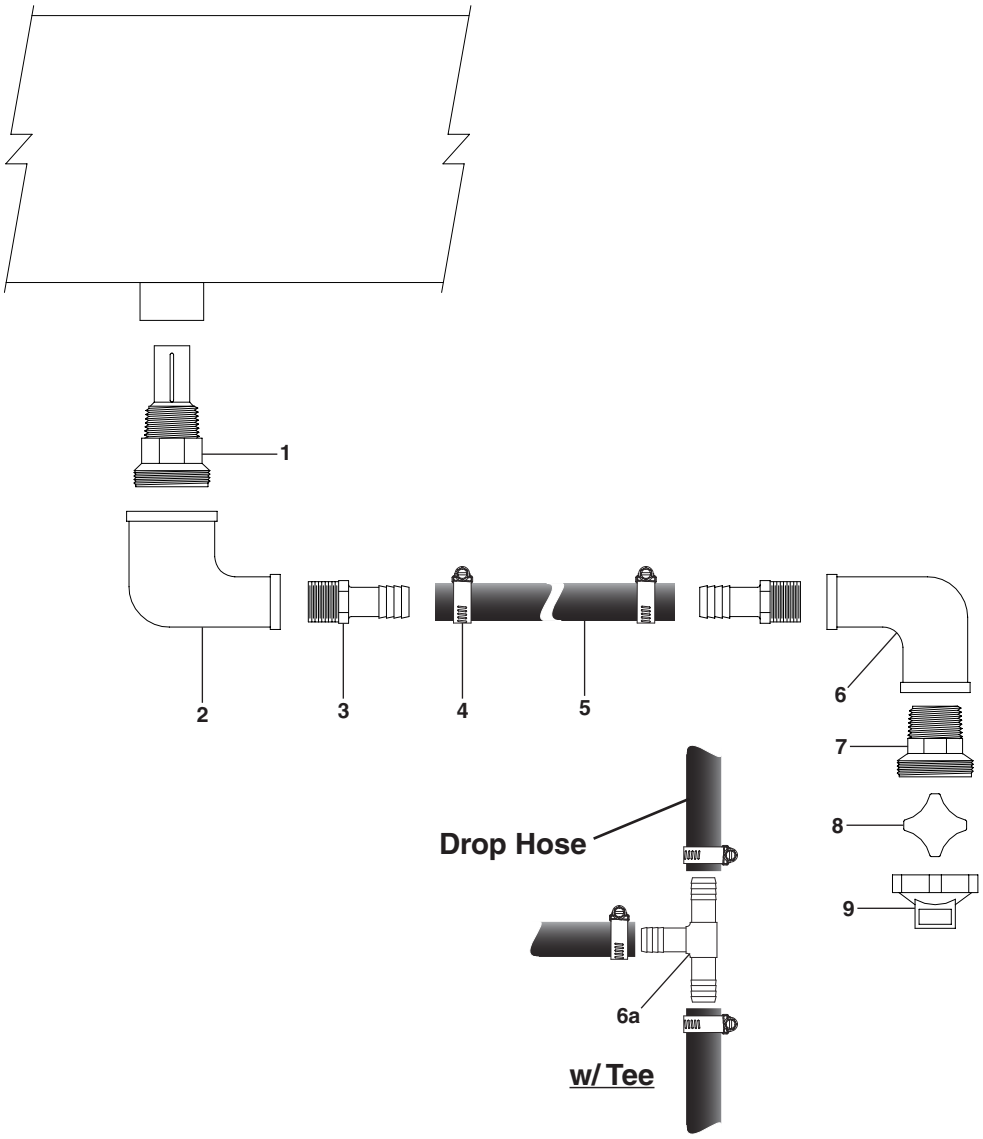


Side View



ITEM	DESCRIPTION	PART #
1	Flange Mount Bracket	9363469
2	Cable Clamp Shim - Small	9363470
	- Medium	9363471
	- Large	9363472
3	3/8" x 1-3/4" Long U-Bolt	0176035
4	3/8" Lock Nut	0133006
	Span Cable Clamp Kit - Small	KA09865
	- Medium	KA09866
	- Large	KA09867

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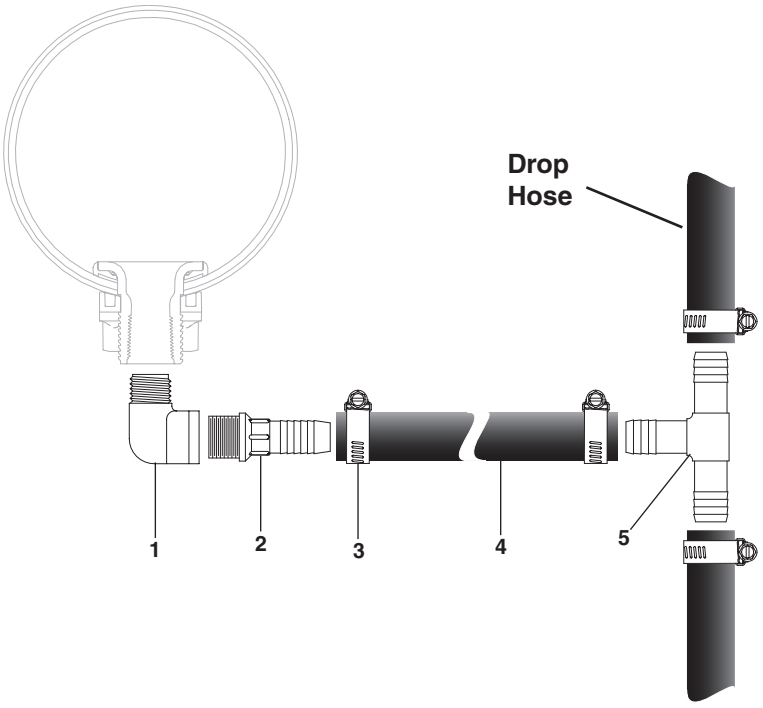


ITEM	DESCRIPTION	PART #
1	Upper Drain Body	0246170
2	1-1/2" x 3/4" Reducer Elbow	0241097
3	3/4" x 3/4" NPT Hose Barb	0271077
4	3/4" Hose Clamp	0271001
5	3/4" Flex Hose - 15 ft. Long	0272033
6	1" x 3/4" Reducer Elbow	0241098
6a	3/4" x 3/4" x 3/4" Tee Insert	0242071
7	Upper Drain Body	0232023
8	Drain Seal	0232568
9	Lower Drain Body	0232004

Span Drain f/Dry Wheel Track (incl. 2, 3, 4, 6 & 7)..... KA09154
Span Drain f/Dry Wheel Track w/Tee (incl. 2, 3, 4, 6a & 7)..... KA09155

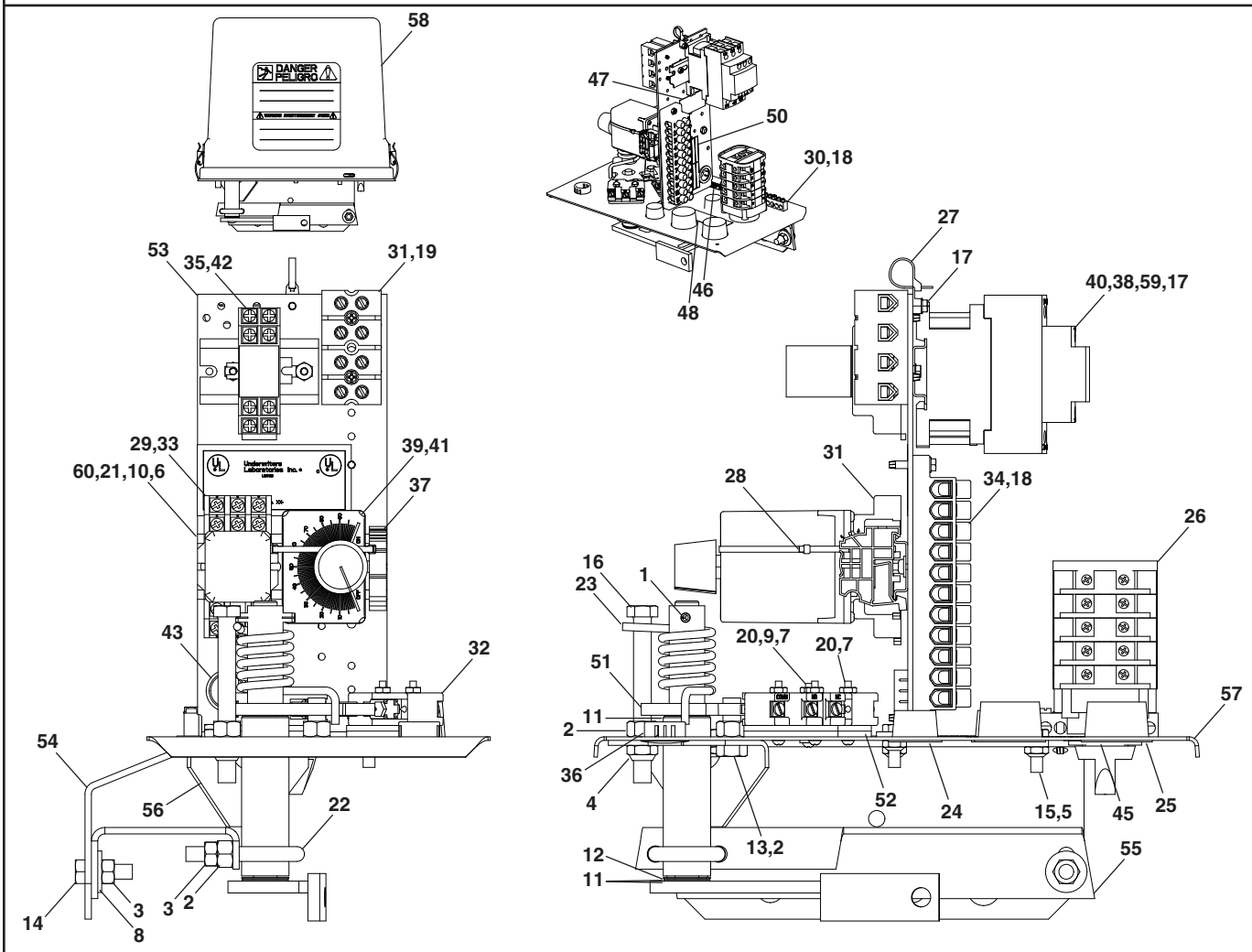
***NOTE: Tyton Ty Wraps included in both kits.**

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ITEM	DESCRIPTION	PART #
1	3/4" Street Elbow	0241075
2	3/4" x 3/4" NPT Fitting	0271077
3	1-1/4" Hose Clamp	0271084
4	3/4" Flex Hose - 15 ft. Long	1703771
5	3/4" x 3/4" x 3/4" Tee Insert	0242071
	PolySpan Drain Fitting Kit (incl. 1, 2, 3 & 5)	KA09729

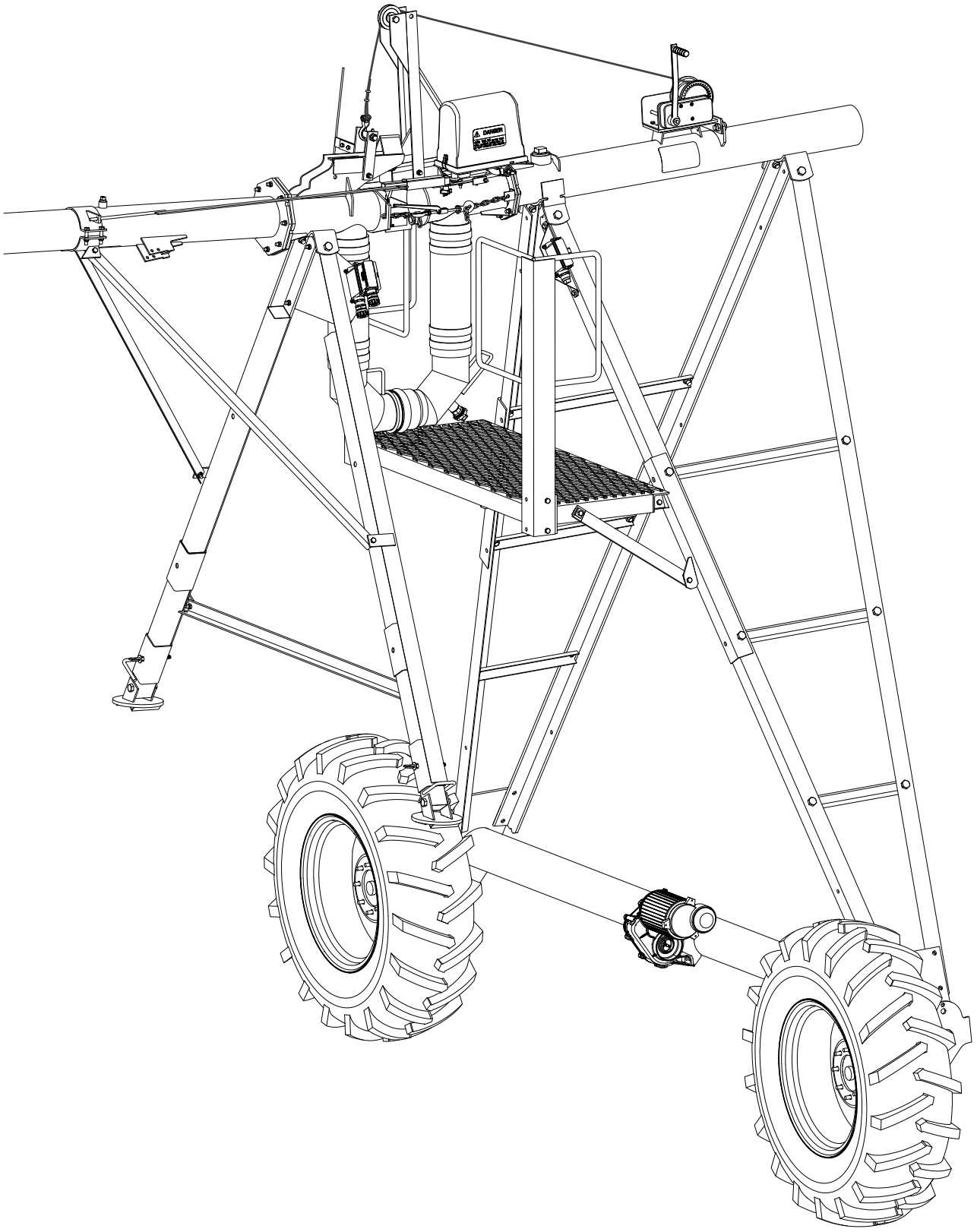
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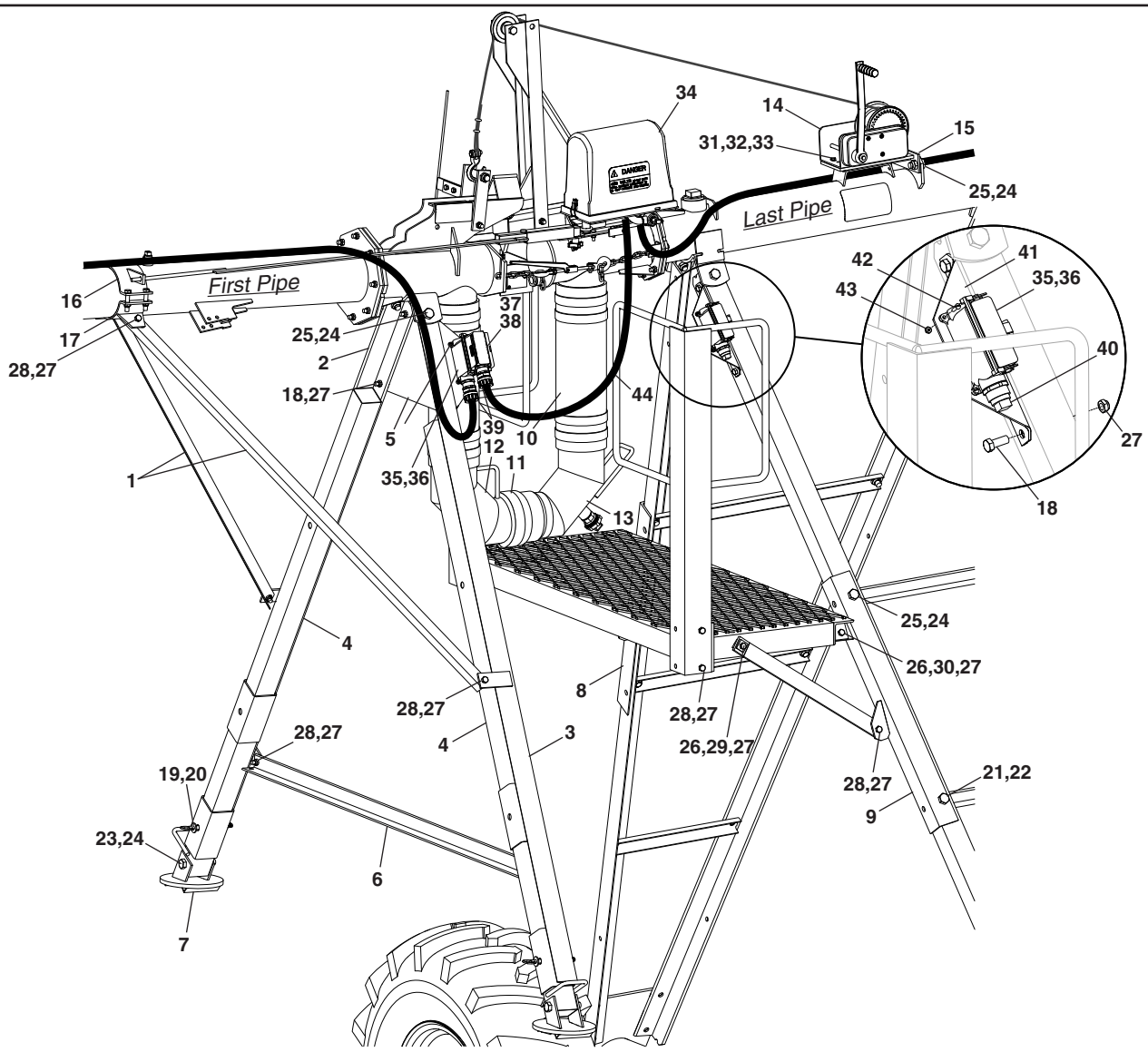
ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/8" Hex Nut	0131018
3	5/16" Hex Nut	0131019
4	3/8" Lock Nut	0133006
5	1/4" Lock Nut	0133008
6	#8 Hex Nut	0134023
7	#6 Hex Nut	0134027
8	5/16" Flat Washer	0142017
9	#6 Flat Washer	0142074
10	#8 Flat Washer .049 x .188 x .438 - Stainless Steel	0142084
11	Washer .030 x .510 x .968 - Stainless Steel	0143047
12	Washer .010 x .512 x .996 - Stainless Steel	0143066
13	3/8" x 1" Cap Screw	0161045
14	5/16" x 1" Cap Screw	0161052
15	1/4" x 3/4" Cap Screw	0161057
16	3/8" x 3-1/2" Cap Screw	0161150
17	#8 x 1/2" Self-Tapping Screw	0161355
18	#8 x 7/8" Self-Tapping Screw	0161356
19	#8 x 1-1/4" Cap Screw	0161357
20	#6 x 1-1/4" RH Screw	0164054
21	#8 x 3/8" RH Screw	0164193
22	5/16" x 1" U-Bolt	0176049
23	Torsion Spring - Control Box	0181046
24	12 Caplug	0261008
25	15X Caplug	0261010
26	Power Disconnect - 10 Pole	0314540
27	Wire Tie	0314793
28	Cable Tie - Black 11" Long	0314834
29	Relay - 3PDT 120V AC	0314936
30	Ground Lug - 7 Term.	0315120
31	Terminal Strip - 4 Term.	0315571

ITEM	DESCRIPTION	PART #
32	Microswitch - Minimum Travel	03E0307
33	Relay Socket - 3PDT 11 Pin Blade	03E1650
34	Terminal Block - 11 Term. 600V	03E1899
35	Relay Socket - 2 Pole 10A 300V	03E2107
36	Snap Button Hole Plug	03E2166
37	Dinrail End Stop	03E2996
38	Suppressor	03E3546
39	Slowdown Percent Timer	03E3677
40	Contactor - 25 Amp 120V Coil 3-Pole (Boxed)	03E3785
41	Octal Socket - 8 Pin	03E3748
42	Relay w/Indicator - DPDT 120VAC	03E4197
43	Snap Bushing	0992070
44	Gasket (NOT SHOWN for clarity)	0992071
45	Decal - Disconnect	0992090
46	Decal - Ground	0992925
47	Decal - Power Supply 1.5 H.P. 10 Amps	0994149
48	Decal - 3R Enclosure	0996403
49	Decal - Drop Span Tower Box (not shown inside cover)	0998344
50	Decal - Terminal Block Torque Copper Wire	0998450
51	Switch Pivot & Arm Assm.	1701262
52	Sensor Base Insulator	1701632
53	Vertical Bracket	1702053
54	Tower Box Mounting Plate	1702054
55	Sensor Bearing Support Bracket	1702294
56	Sensor Bearing w/ Bushing Assm	1703336
57	Tower Box Bottom Plate - Drop Span	1704229
58	Tower Box Cover - UL	9311146
59	Din Rail Mount Channel - 2.50" Long	9311988
60	Din Rail Mount Channel - 4.00" Long	9312401
	Drop Span Tower Box Assm	**1815006**

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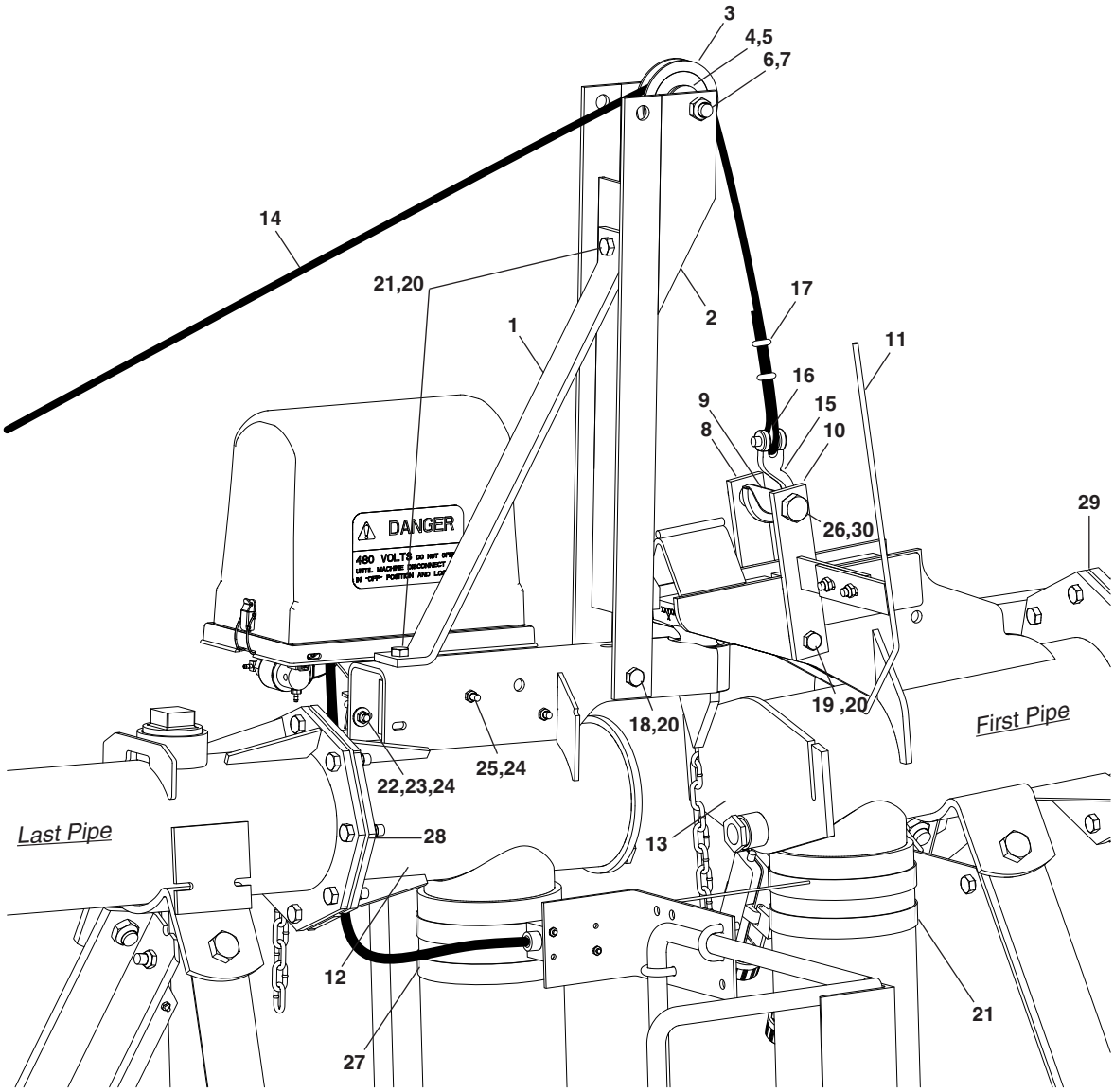
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ITEM	DESCRIPTION	PART #
1	Brace - Medium Truss	1701645
2	Support Leg Assm. - Front	9364011
3	Support Leg Assm. - Rear	9364012
4	Support Tube Assm	9364041
5	Drive Unit Reinforcing Plate	1780400
6	Truss Spreader	9360049
7	Foot Pad Assm.	9364016
8	Platform Mount Assm. - Front	9364024
9	Platform Mount Assm. - Rear	9364025
10	Flex Joint Hose - 6" x 22"	9363998
11	Circle Lock Ring	0992318
12	6" Elbow - Male Ringlock x Hose Bead	1K02061
13	6" Elbow Coupler w/Handle	1K02060
14	Automatic Brake Winch - 2500 LB	0998348
15	Winch Mount Assm.	9364038
16	Control Rod Clamp Conversion Ear Assm.	1702408
17	Brace Bracket Assm.	9364046
18	1/2" x 1-1/4" Cap Screw - Grade 8	0161420
19	3/4 Torque Pin	0112043
20	1/4" x 1-3/8" Lynch Pin	0112042
21	5/8" x 1-3/4" Cap Screw	0161088
22	5/8" Lock Nut	0133010
23	3/4" x 4-1/2" Cap Screw	0161030

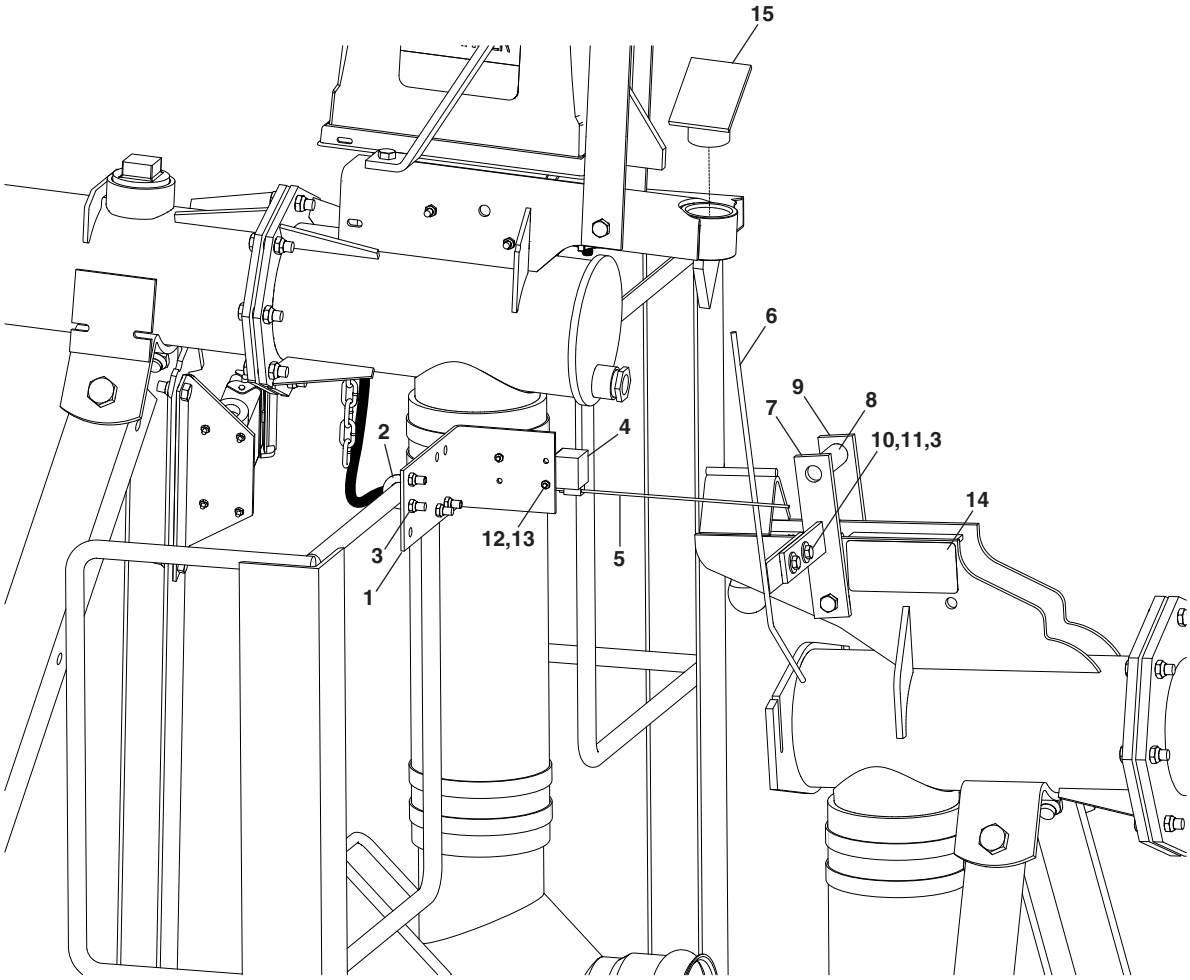
ITEM	DESCRIPTION	PART #
24	3/4" Lock Nut	0133011
25	3/4" x 1-3/4" Cap Screw	0161139
26	1/2" x 2" Cap Screw	0161024
27	1/2" Lock Nut	0133005
28	1/2" x 1-1/4" Cap Screw	0161027
29	5/8" Washer - 10° Taper	0143065
30	1/2" Flat Washer	0142025
31	3/8" x 1" Cap Screw	0161045
32	3/8" Flat Washer	0142031
33	3/8" Lock Nut	0133006
34	DropSpan Tower Box	1815006
35	1" Connector Base - Rectangular High Profile	03E3211*
36	Male Connector Insert - Rectangular	03E3212*
37	HBE 24 Housing	03E3210*
38	Female Connector Insert - Rectangular	03E3213*
39	1" Strain Relief Hub - Yellow Grommet	0314466*
40	1" NPT Pipe Plug - Square Head Galvanized	0246003*
41	Socket Mount Bracket	9364044
42	#10 x 3/4" RH Screw	0164038*
43	#10 Hex Nut	0131055*
44	Electrical Cable - 12 Cond. 10 Ga. - 8' Long	1814370*
	*DropSpan Electrical Hardware Kit	KA01499

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ITEM	DESCRIPTION	PART #
1	Pulley Brace	9364047
2	Pulley Mount Assm.	9364034
3	Sheave, Wire Rope - 3000lb. Capacity	0999514
	Cable Pulley - 4" O.D. - for 5/16" Dia. Cable	0998433
4	Bushing - Sheave	0192028
5	5/8" Flat Washer	0142011
6	5/8" x 4-1/2" Cap Screw	0161121
7	5/8" Lock Nut	0133010
8	Lift Bar	9364019
9	Bushing Lift	9364045
10	Lift Bar Assm.	9363994
11	Stop Rod Assm.	9363996
12	Female Stub Assm.	9364007
13	Male Stub Assm.	9364006
14	3/8" Cable - 14' - Effective May 2015	1704293
	5/16" Cable - 14' - Prior to May 2015	1704237
15	Slip Hook	0992731
16	3/8" Cable Thimble - Effective May 2015	0202035
	5/16" Cable Thimble - Prior to May 2015	0202028
17	3/8" Cable Clamp - Effective May 2015	0202034
	5/16" Cable Clamp - Prior to May 2015	0202021
18	1/2" x 4-1/2" Cap Screw	0161110
19	1/2" x 5" Cap Screw	0161111
20	1/2" Lock Nut	0133005
21	1/2" x 1-1/4" Cap Screw	0161027
22	5/16" x 1" Cap Screw	0161052
23	5/16" Flat Washer	0142017
24	5/16" Lock Nut	0133007
25	5/16" x 4" Cap Screw	0161181
26	3/4" x 5" Cap Screw	0161144
27	Flex Joint Clamp - 6" Hose	0991186
28	Flat Gasket - Universal - 8" & 8-5/8"	0996566
29	Pipe Gasket - 6-5/8"	0991107
30	3/4" Lock Nut	0133011

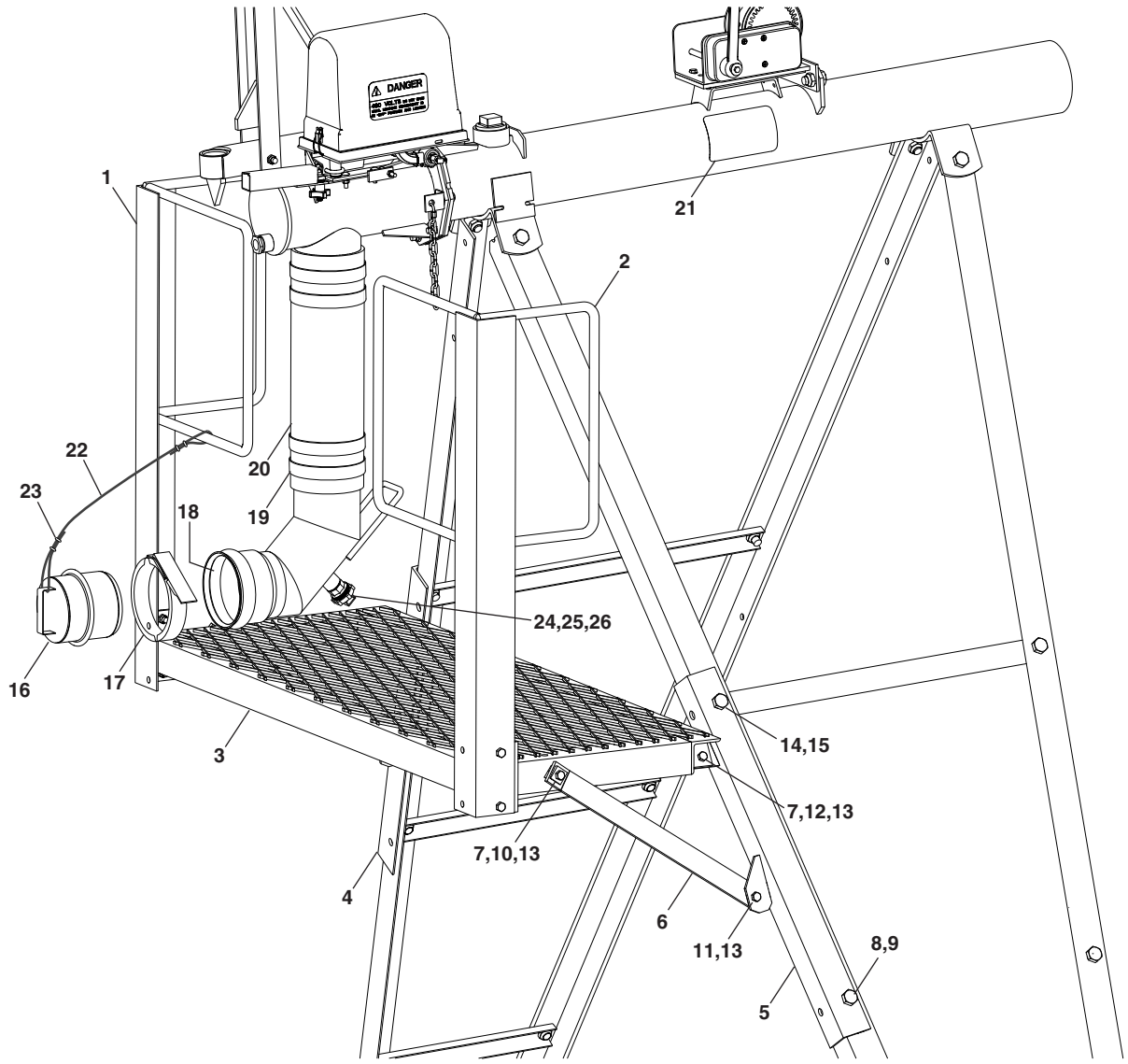
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ITEM	DESCRIPTION	PART #
1	Switch Mount Bracket	9364043
2	3/8" x 5/16" U-Bolt - 1-3/4" Lont	0176035 *
3	3/8" Lock Nut	0133006 *
4	Limit Switch Assm.	1811451 *
5	Microswitch Arm Lever	0315623 *
6	Stop Rod Assm.	9363996
7	Lift Bar Assm.	9363994
8	Bushing Lift	9364045
9	Lift Bar	9364019
10	3/8" x 1" Cap Screw	0161045
11	3/8" Flat Washer	0142031
12	#10 x 2" RH Screw	0164137 *
13	#10 Hex Nut	0131055
14	Decal - Drop Span Pinch Point Danger	0998406
15	Ramp Assm.	9363999

*** DropSpan Electrical Hardware Kit KA01499**

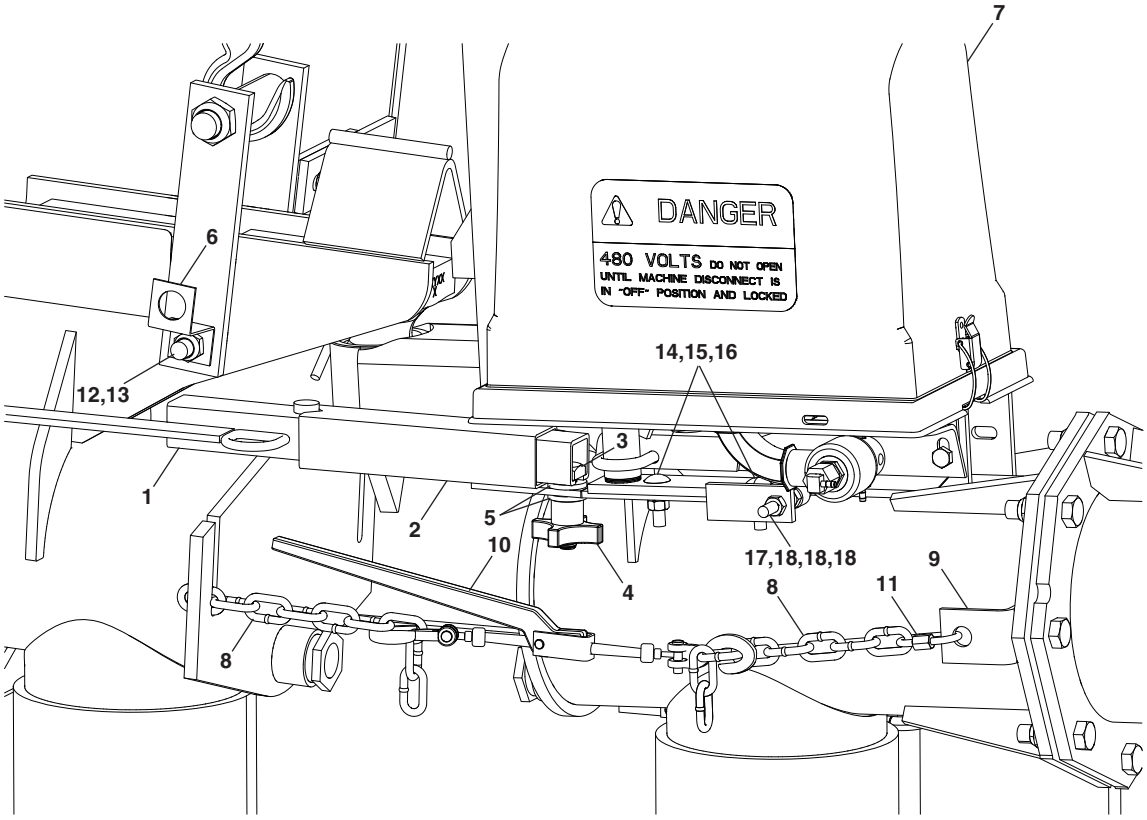
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ITEM	DESCRIPTION	PART #
1	Platform Step Rail Assm. - RH	9363944
2	Platform Step Rail Assm. - LH	9363943
3	Platform Assm	9364029
4	Platform Mount Assm. - Front	9364024
5	Platform Mount Assm. - Rear	9364025
6	Platform Brace	9364042
7	1/2" x 2" Cap Screw	0161024
8	5/8" x 1-3/4" Cap Screw	0161088
9	5/8" Lock Nut	0133010
10	5/8" Washer - 10° Taper	0143065
11	1/2" x 1-1/4" Cap Screw	0161027
12	1/2" Flat Washer	0142025
13	1/2" Lock Nut	0133005

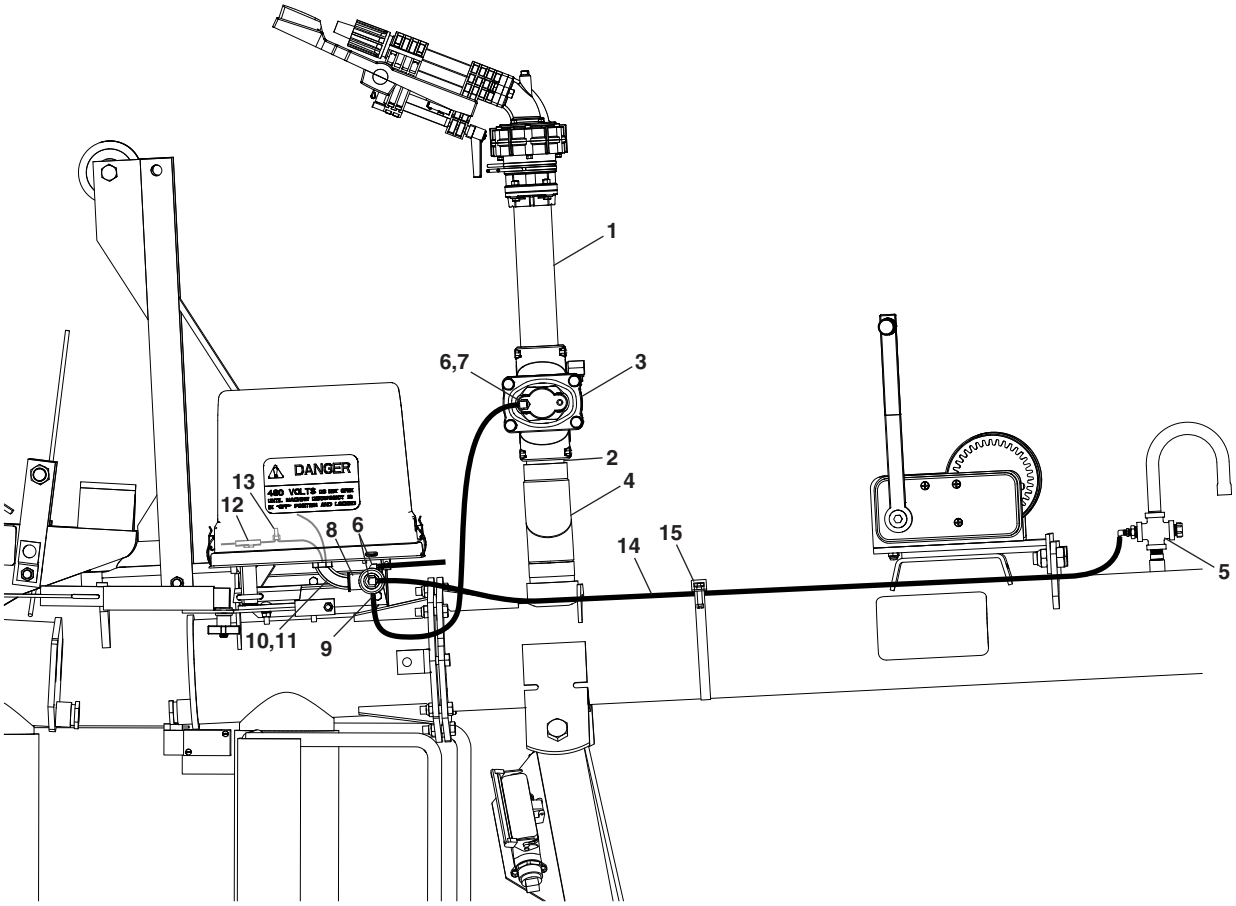
ITEM	DESCRIPTION	PART #
14	3/4" x 1-3/4" Cap Screw	0161139
15	3/4" Lock Nut	0133011
16	6" Ring Lock End Plug	1K01265
17	6" Circle Lock Ring	0992318
18	6" Pierce Gasket	0221015
19	6" Flex Joint Hose Clamp	0991186
20	Flex Hose - 6" x 22"	9363998
21	Decal - Drop Span Procedure Warning	0998407
22	Plug Cable	9364108
23	Cable Clamp	0202016
24	Upper Drain Body	0246170
25	Drain Seal	0232568
26	Lower Drain Seal	0232004

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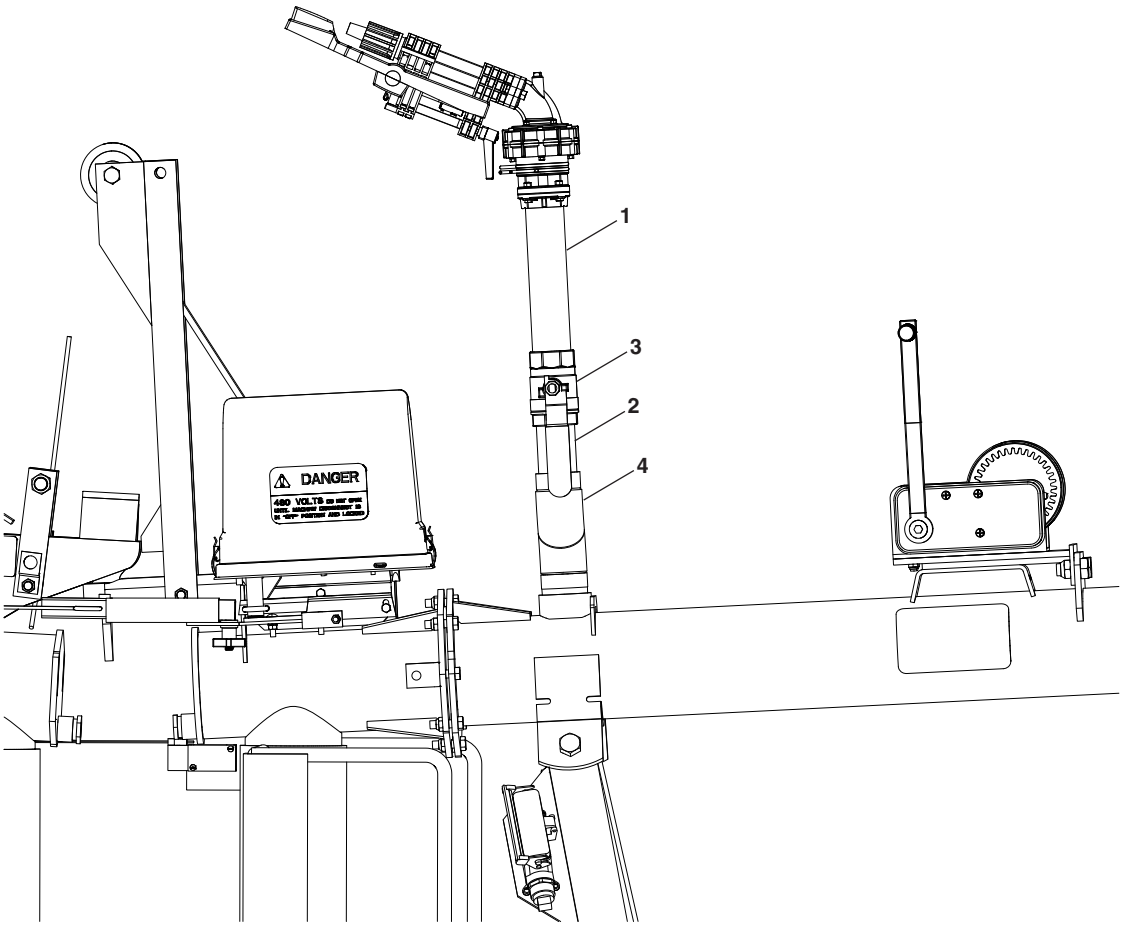
ITEM	DESCRIPTION	PART #
1	Alignment Arm Assm. - Outer	1704236
2	Alignment Arm Assm. - Inner	1704231
3	1/2" x 2" Bolt - Square Head	0176072
4	1/2" Threaded Knob - 4-Arm	0998342
5	1/2" Flat Washer	0142025
6	Sealtite Keeper	1700157
7	DropSpan Tower Box Assm.	1815006
8	Straight Link Chain - 8 Links	0323069
9	Chain Bracket	9364048
10	Load Binder - 2600 LB	0998343
11	3/16" Threaded Chain Connector	0323042
12	1/2" x 5" Cap Screw	0161111
13	1/2" Lock Nut	0133005
14	5/16" x 1-1/4" Carriage Bolt	0175013
15	5/16" Lock Washer	0141008
16	5/16" Hex Nut - Plated	0131019
17	5/16" x 2-1/2" Cap Screw	0163046
18	5/16" Hex Nut - Galvanized	0131079

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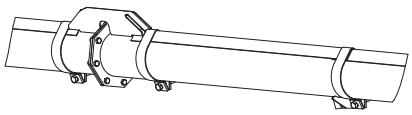
ITEM	DESCRIPTION	PART #
1	2" NPT x 10" Nipple - Galvanized	0211004
2	2" NPT x 2" Nipple - Galvanized	0211008
3	2" Komet End Gun Valve	KA09903
4	S-Fitting Assm.	9363980
5	3/4" Filter Cross Assm.	9360897
6	Elbow Tube to Male Pipe Fitting	0232361
7	1/4" x 1/8" Reducer Fitting	0244024
8	Solenoid Valve w/ Coil - 120V 60 Cycle N.O.	0232452
9	Tube to Male Pipe MFL Connector	0232362
10	1/2" Bushed Gedney Elbow Fitting	0241057
11	1/2" Rigid Conduit Nipple	0244037
12	Fuse Holder Assm.	1811175
13	Spring Connector - 18-12 Ga.	0314151
14	.304 O.D. x .180 I.D. x 10' Nylon Tubing	1704093
15	6" Pipe Clamp	0271021

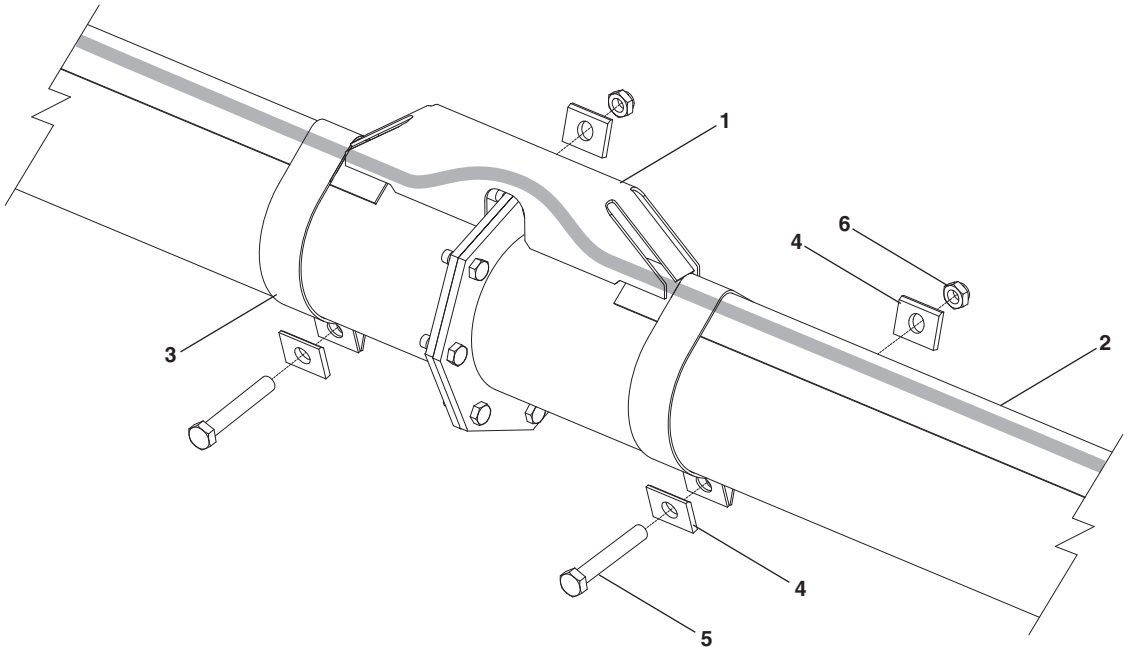
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ITEM	DESCRIPTION	PART #
1	2" NPT x 10" Nipple - Galvanized	0211004
2	2" NPT x 4-1/2" Nipple - Galvanized	0211047
3	2" End Gun Ball Valve - Manual Shutoff	0232046
4	S-Fitting Assm.	9363980

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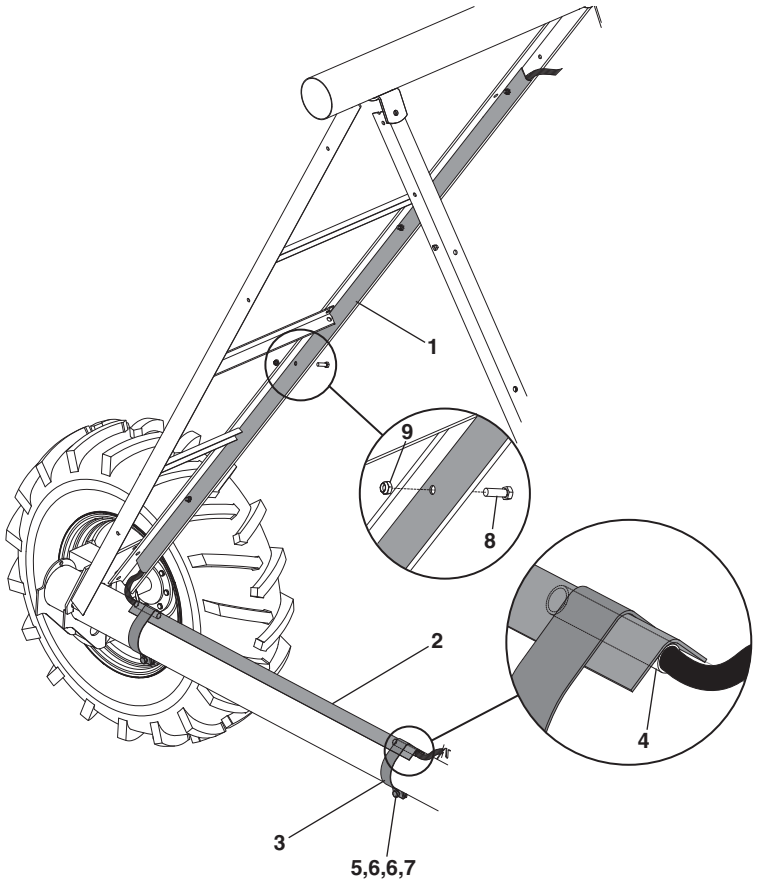




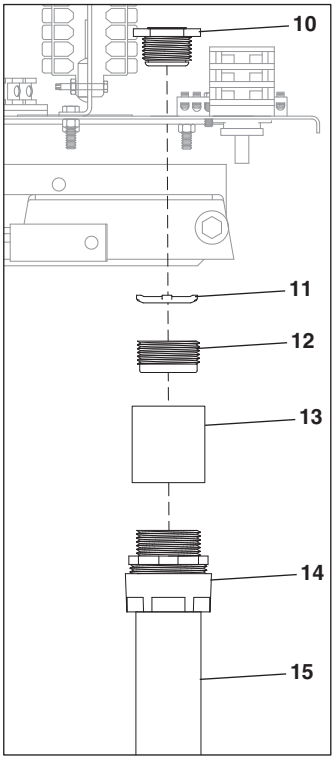
ITEM	DESCRIPTION	PART #
1	Flange Cover Assm.	9364064
2	Flashing - 28.00" Long	9364106
	- 45.00" Long	9363522
	- 120.00" Long	9363526
3	Clamp - 5"	9363674
	- 6"	9364095
	- 6-5/8"	9364062
	- 8-5/8"	9364082
	- 10"	9364083
4	Heavy Washer	9364061*
5	5/8" x 4" Cap Screw - All Thread	0161434*
6	5/8" Lock Nut	0133010*

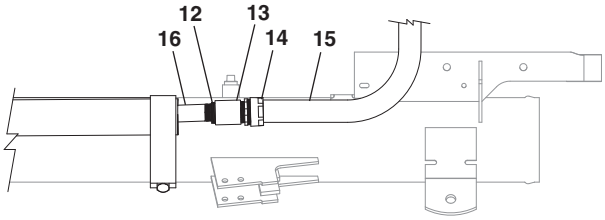
* Cable Theft Deterrent Clamp Kit KA01517
(2 ea. Heavy Washer 9364061)

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NOTE: Use arrangement below for all Tower Boxes, including A.R.A.S., and Control Panel.

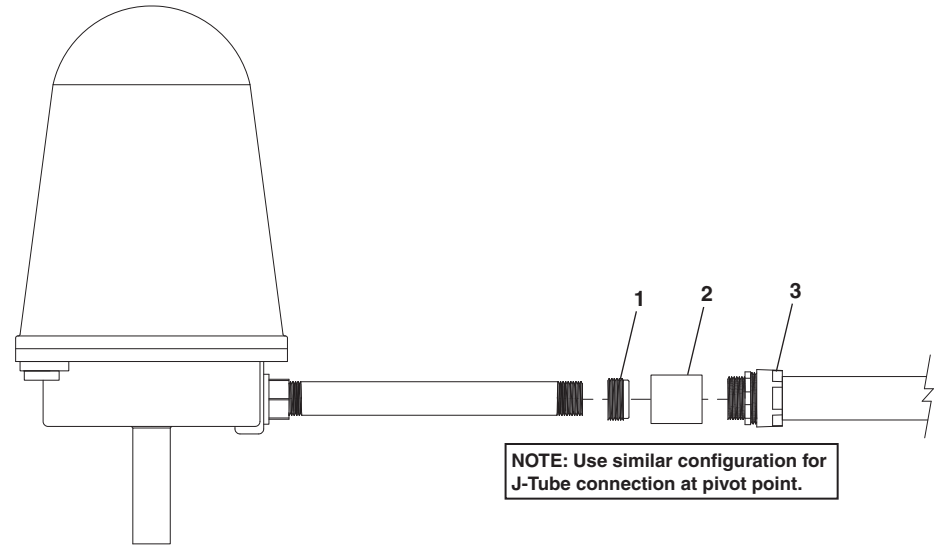


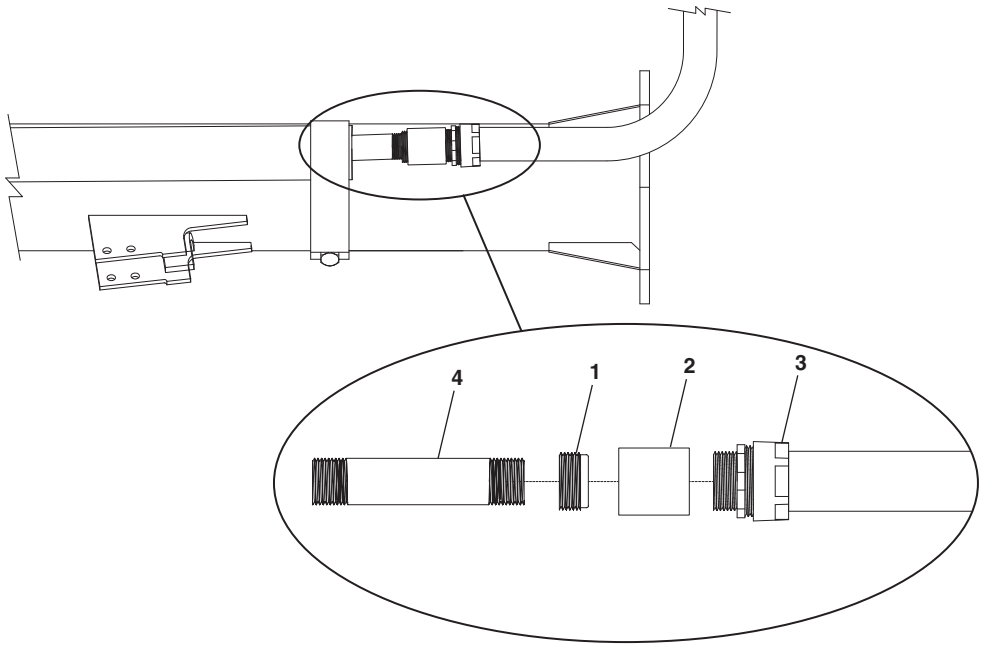


ITEM	DESCRIPTION	PART #
1	Motor Lead Guard	9364085
2	Flashing - Basebeam	9364087
3	Clamp - 6-5/8"	9364062
4	Guard Tube	1704246
5	5/8" x 4" Cap Screw - All Thread	0161434
6	Heavy Washer	9364061
7	5/8" Lock Nut	0133010
8	1/2" x 1" Cap Screw	0161028
9	1/2" Lock Nut	0133005
10	1" Nipple w/ Insert	03E2797*
11	1" Conduit Lock Nut	0315761*
12	1" x 1-1/4" Reducing Bushing	03E2795*
13	1-1/4" Coupler - Galvanized	0245077*
14	1-1/4" Liquid Tight Connector	03E3240*
15	Flex Conduit - 6' Long	9363528
16	1" x 6" Nipple - Galvanized	0211124*

*** Cable Armor Conduit to Tower Box Kit KA09885**

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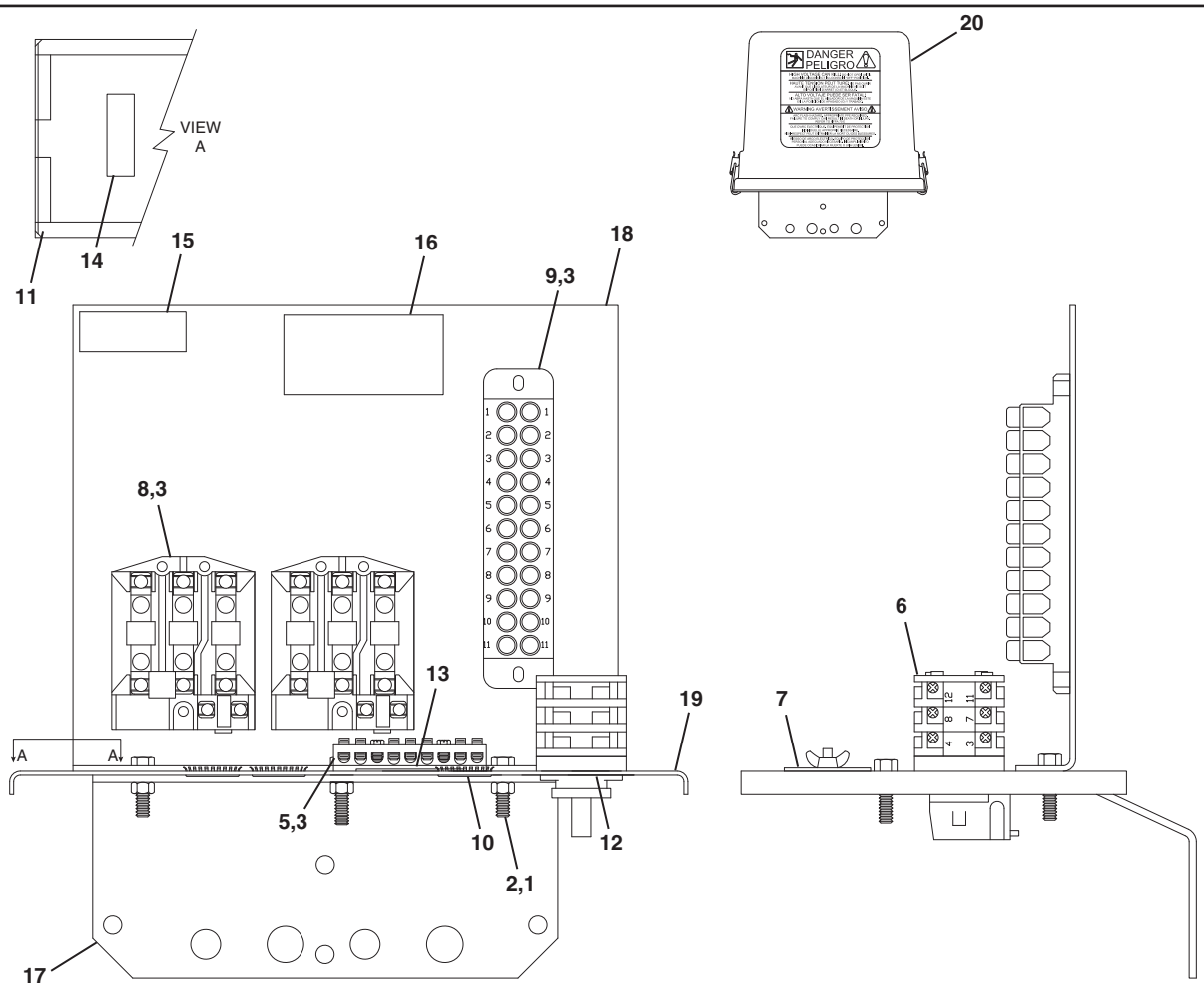




ITEM	DESCRIPTION	PART #
1	1-1/4" x 1" Reducing Bushing	03E2795 *
2	1-1/4" Coupler - Galvanized	0245077 *
3	1-1/4" Liquid Tight Connector	03E3240 *
4	1" x 6" Nipple - Galvanized	0211124 *

*** Cable Armor Conduit to Collector Ring Kit ... KA09884**

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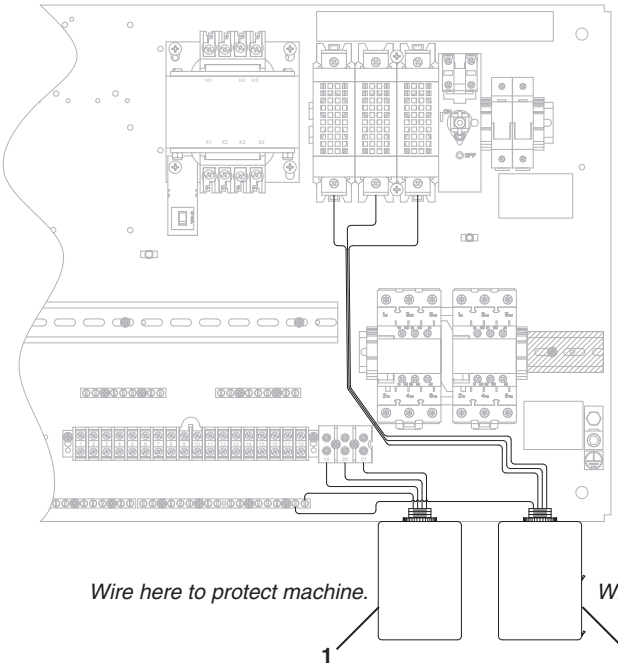


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	1/4" x 3/4" Cap Screw	0161057
3	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
4	Tyton Ty Wrap - Black (not shown)	0314225
5	Ground Lug - 7 Terminal	0315120
6	Power Disconnect - 6 Pole	0315746
7	1" Hole Seal	03E0175
8	Compact Overload Relay - 3 Pole	03E1421
9	Terminal Block	03E1899
10	Snap Button Hole Plug	03E2166
11	Gasket Kit	0992071
12	Decal - Tower Box Disconnect	0992090
13	Decal - Ground	0992925
14	Decal - 3R Enclosure	0996403
15	Decal - UL Power Supply - 5 HP 10 Amps	0997252
16	Decal - Terminal Block Torque Copper Wire	0998450
17	Tower Box Mounting Plate	1702054
18	Tower Box Mounting Plate	1702364
19	Booster Transformer Plate	1703644
20	Tower Box Cover - UL	9311146

Overload Tower Box - Articulating 4-Wheel Drive ... 1814490

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480 Volt - 3 Phase Wiring

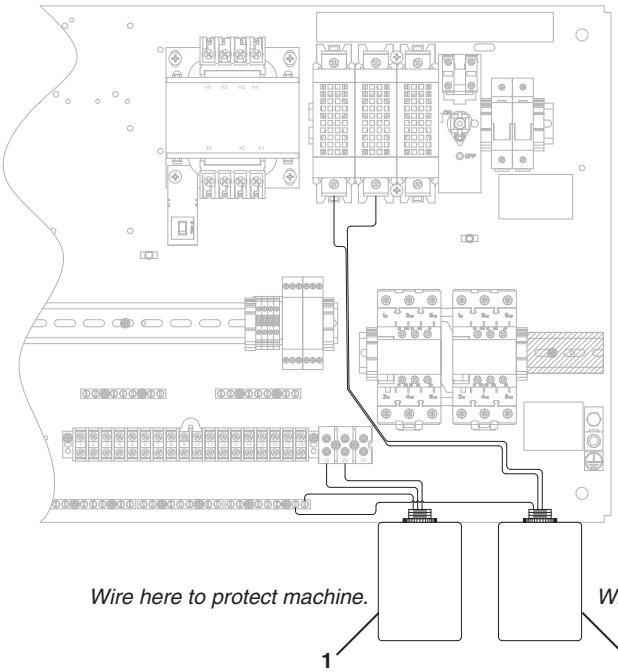


NOTE: Can be used in Classic, Classic+ and ICON Panels. (480VAC panels ONLY)

ITEM	DESCRIPTION	PART #
1	Lightning Arrestor - 600VAC-3 Pole.....	0315130

NOTE: 2 Arrestors needed to protect both options.

240 Volt - Single Phase Wiring



ITEM	DESCRIPTION	PART #
1	Lightning Arrestor - 240VAC-2 Pole.....	0315605

NOTE: 2 Arrestors needed to protect both options.

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