CORNER
PARTS MANUAL
(DOMESTIC)

AD11350

Revised:03/21/19

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CORNER PARTS MANUAL (DOMESTIC)

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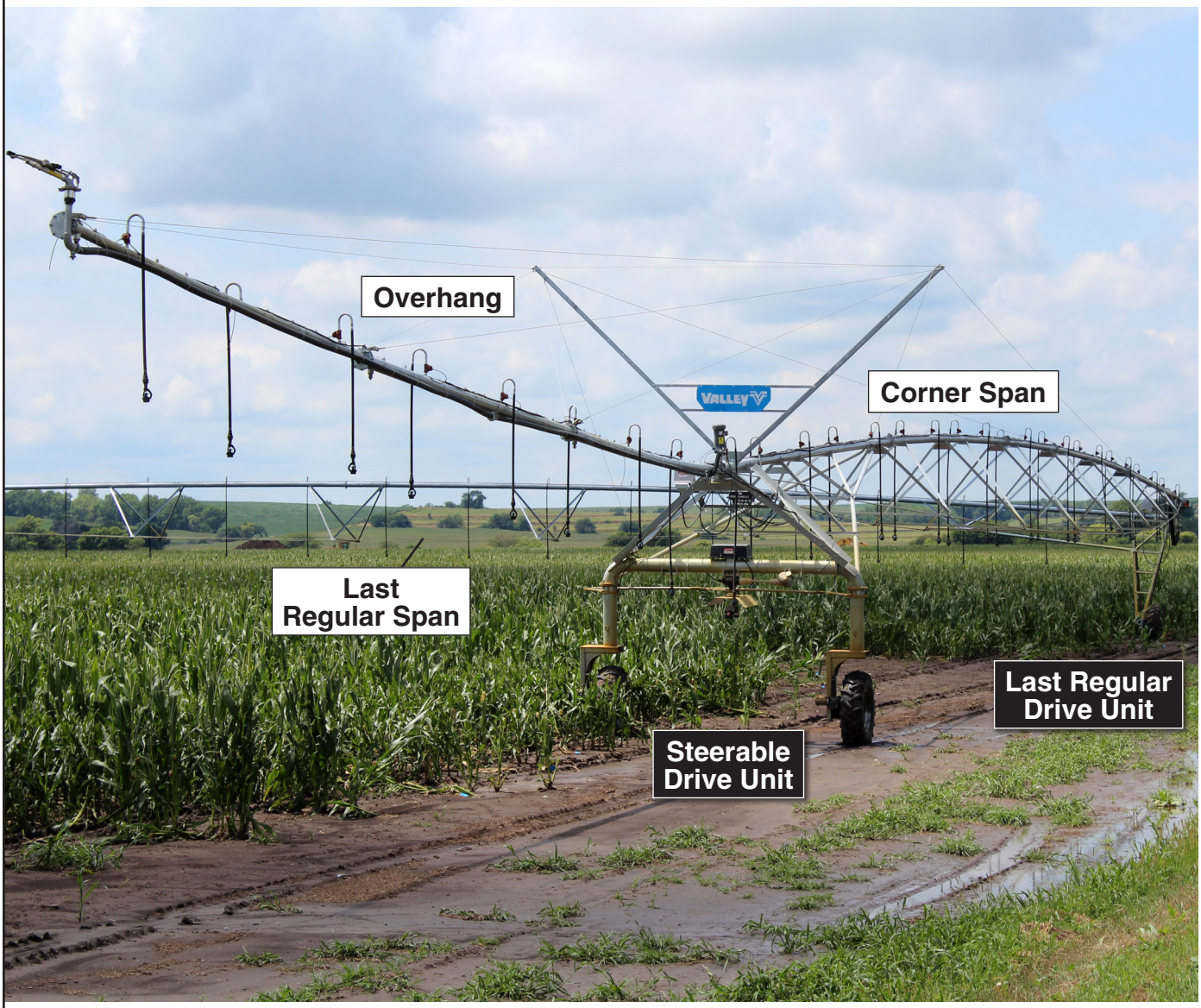
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VFlex Corner



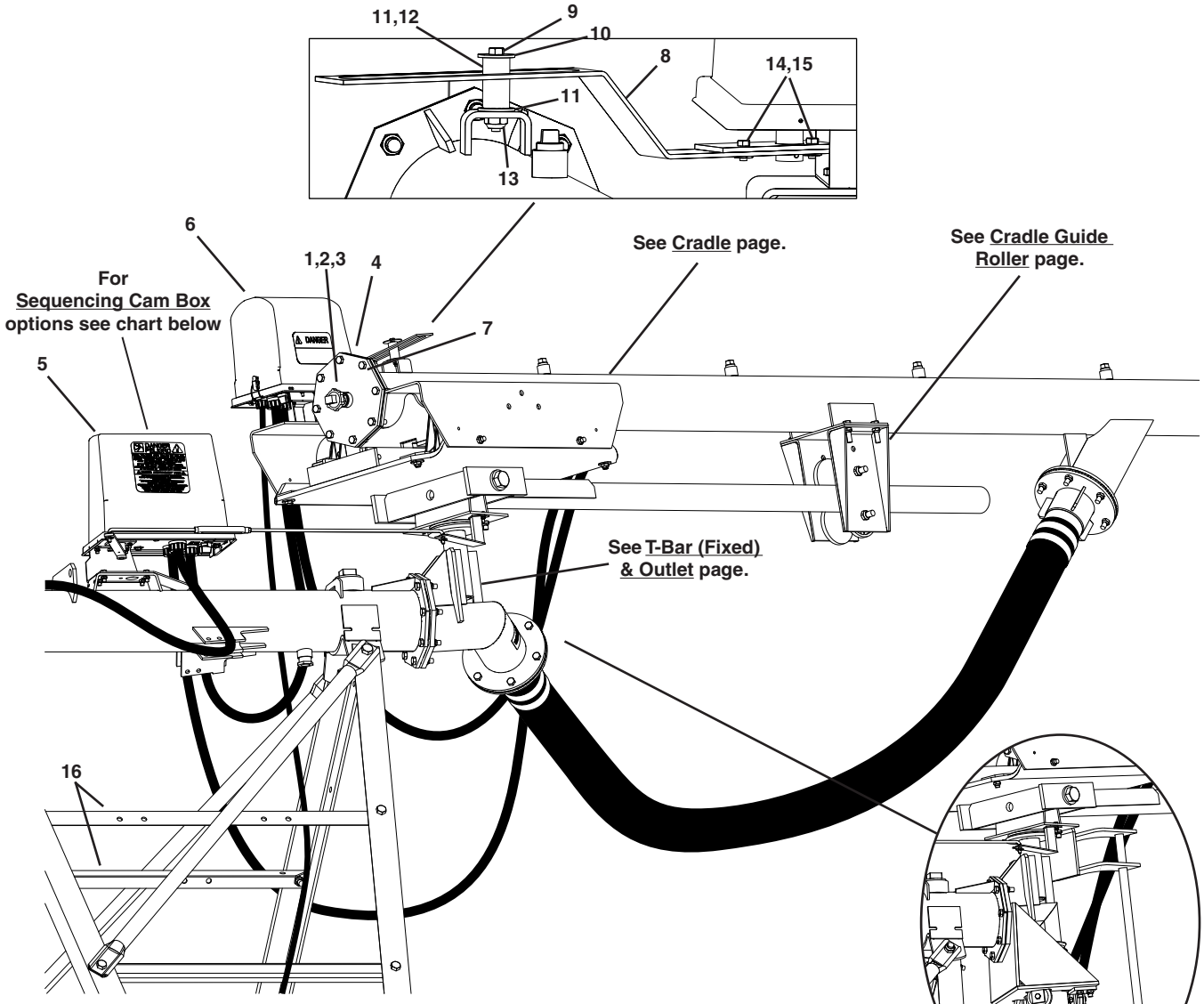
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Last Regular Drive Unit (LRDU)



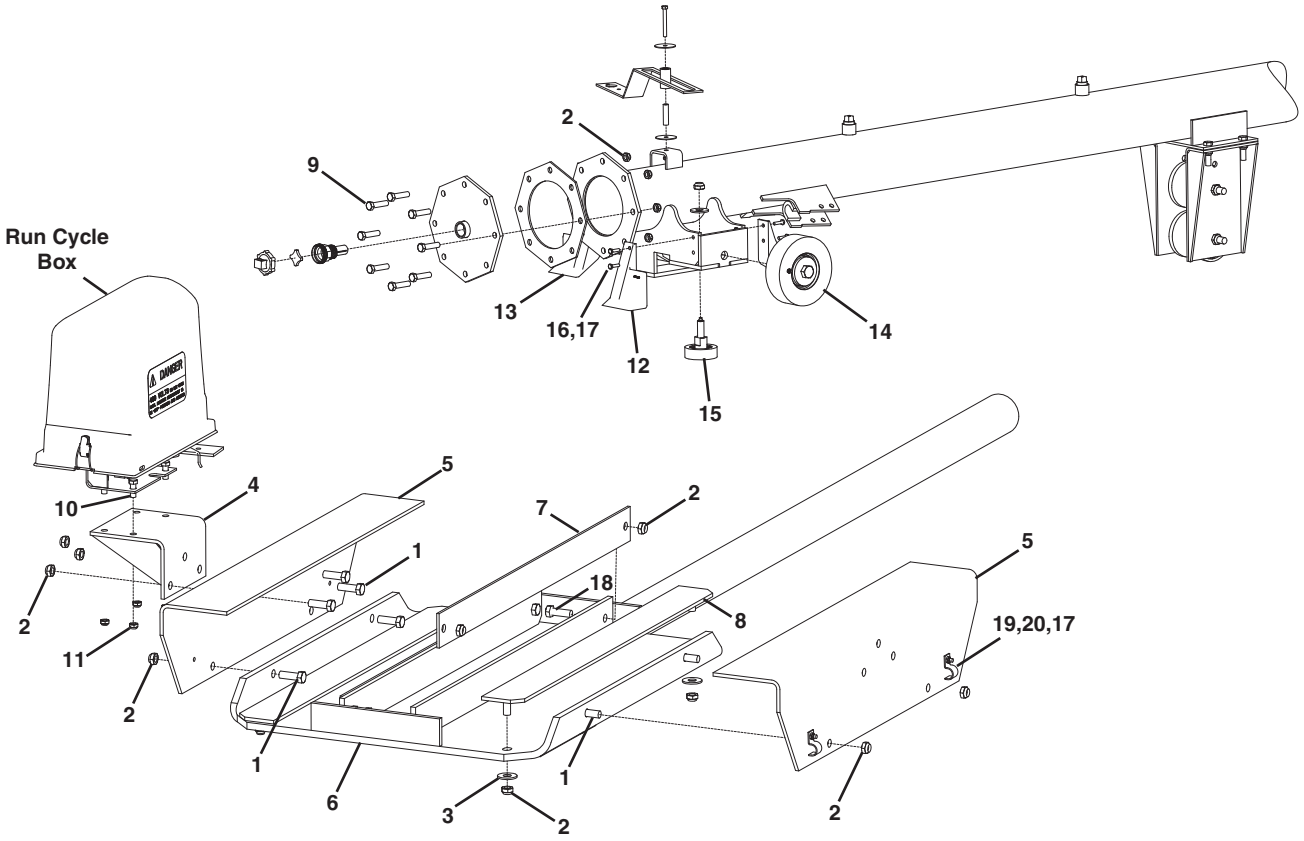
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ITEM	DESCRIPTION	PART#
1	Drain Seal	0232568
2	Lower Drain Body	0232004
3	Upper Drain Body - Plastic	0246170
4	6-5/8" Flat Gasket	0992211
5	Tower Box Cover - Tall	1701418
6	Run Cycle Box	1814996
7	6-5/8" Pipe Drain Flange	1750995
8	Extended Cradle Control Bar	1751011
9	5/16" x 2-3/4" Cap Screw	0161330
10	2" Steel Washer	1750574
11	Stainless Bushing	0192026
12	Roller Pivot Tube	1750184
13	5/16" Lock Nut	0133007
14	1/4" x 3/4" Cap Screw	0161057
15	1/4" Lock Nut	0133008
16	Corner Brace - LRDU	1781639

SEQUENCING CAM BOX OPTIONS		
DESCRIPTION	STANDARD	INVERTED
Seq. Cam Box Assm. - 185' [56.38m] Span w/ 82' [24.99m] O.H.	1815015	1815300
Seq. Cam Box Assm. - 205' [62.48m] Span w/ 82' [24.99m] O.H.	1814355	1815298
Seq. Cam Box Assm. - 218' [66.44m] Span w/ 82' [24.99m] O.H.	1815171	1815299

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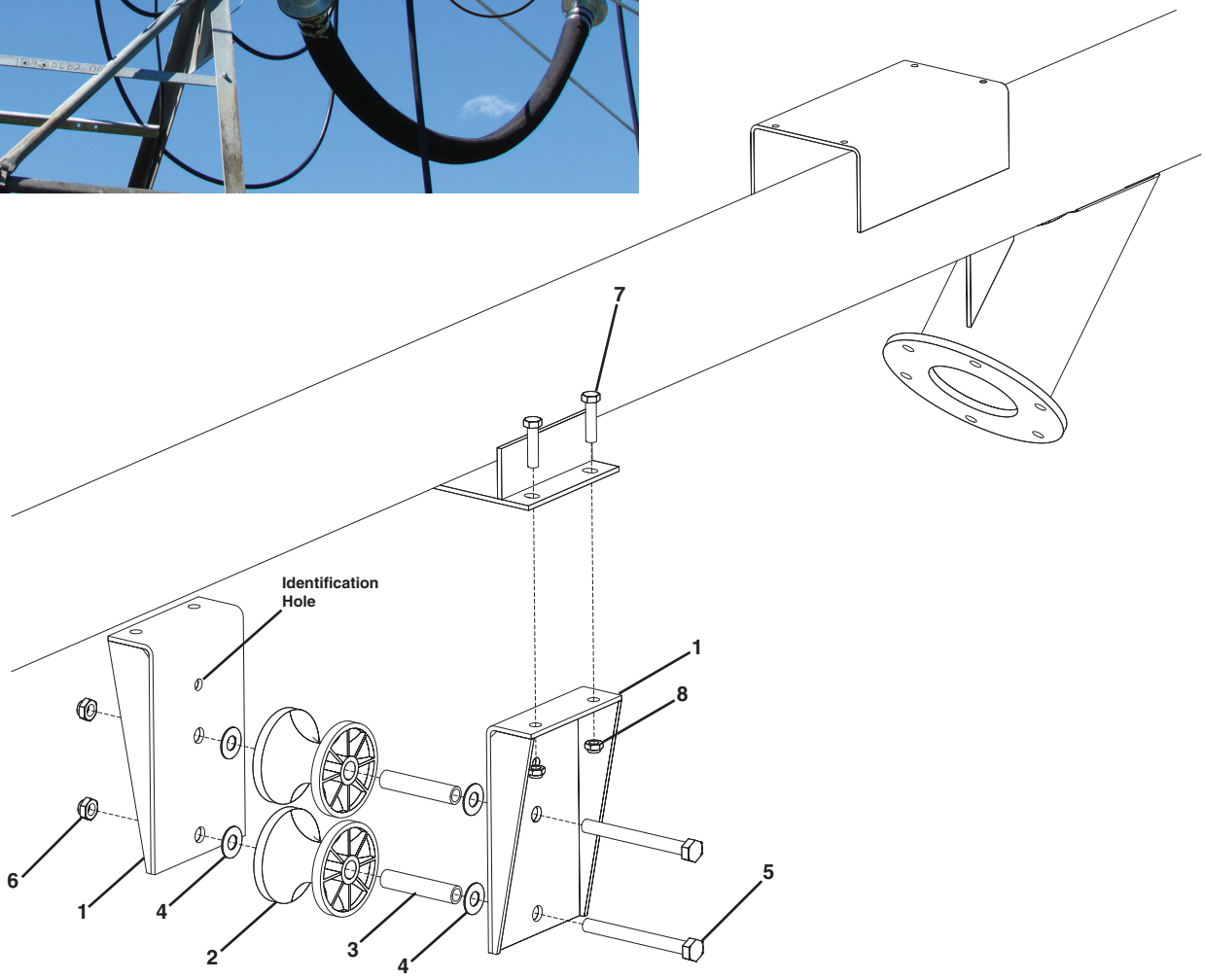


ITEM	DESCRIPTION	PART#
1	1/2" x 1-1/2" Cap Screw	0161026
2	1/2" Lock Nut	0133005
3	1/2" Flat Washer	0142026
4	Run Cycle Box Bracket	1751127
5	Roller Retainer	1751112
6	Cradle Assm.	1751111
7	Guide Roller Wear Plate	0998318
8	Main Roller Wear Plate	0998319
9	1/2" x 2" Cap Screw	0161024
10	3/8" x 1" Cap Screw	0161045

ITEM	DESCRIPTION	PART#
11	3/8" Lock Nut	0133006
12	Roller Guard - R.H.	0998320
13	Roller Guard - L.H.	0998321
14	Large Roller w/ Bearing Assm.	1751010
15	Guide Roller Assm.	1751121
16	1/4" x 1" Cap Screw	0161056
17	1/4" Lock Nut	0133008
18	1/2" x 1-1/4" Cap Screw	0161027
19	Conduit Fitting Clamp	0271038
20	1/4" x 3/4" Hex Head Bolt	0161057

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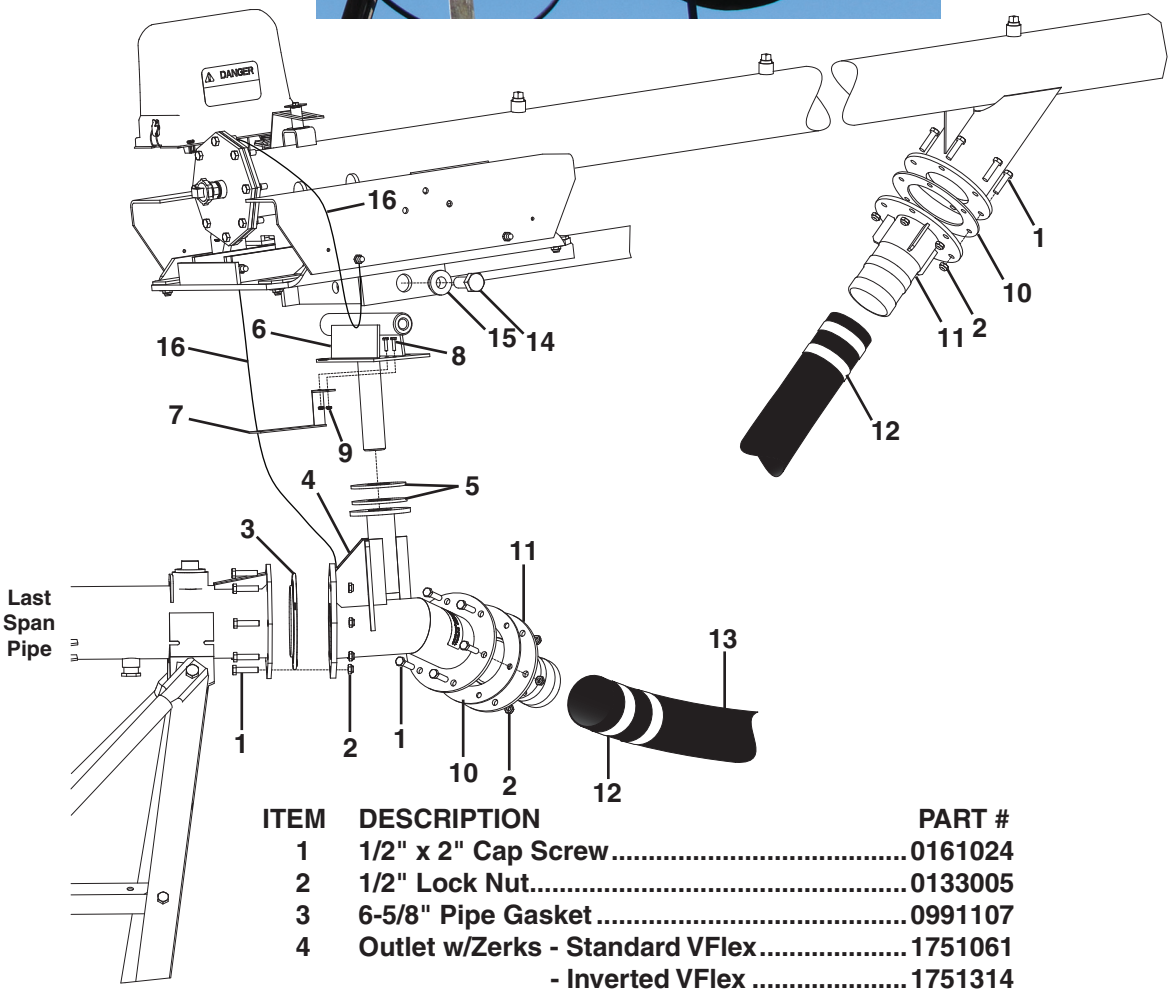


ITEM	DESCRIPTION	PART#
1	Guide Roller Bracket Assm	1750927 *
2	Plastic Roller	1750577 *
3	Stainless Bushing	1750580 *
4	5/8" Stainless Washer	0143045 *
5	5/8" x 6" Cap Screw - Grade 5	0161149 *
6	5/8" Lock Nut	0133010 *
7	1/2" x 2" Cap Screw	0161024
8	1/2" Lock Nut	0133005

* COMPLETE Guide Roller Assembly 1750928

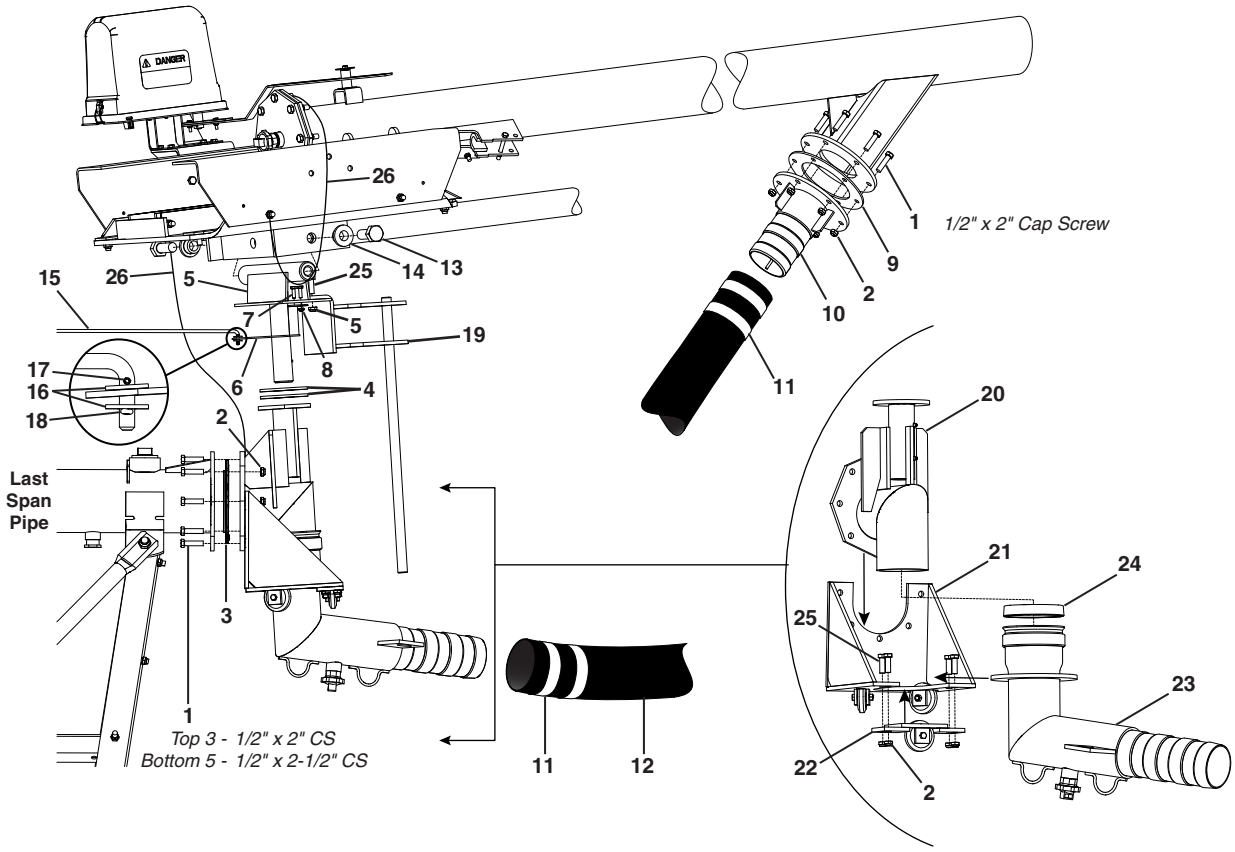
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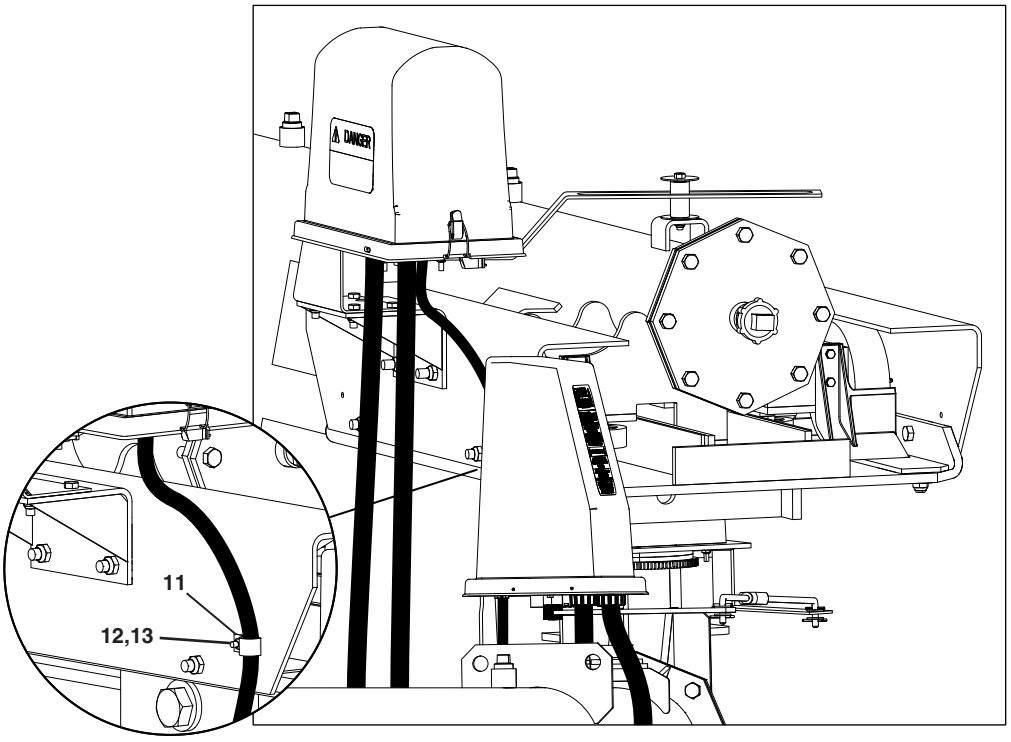
ITEM	DESCRIPTION	PART #
1	1/2" x 2" Cap Screw	0161024
2	1/2" Lock Nut	0133005
3	6-5/8" Pipe Gasket	0991107
4	Outlet w/Zerks - Standard VFlex	1751061
	- Inverted VFlex	1751314
5	Plastic Bearing - 5"	0996572
6	T-Bar Assm.	1751105
7	Control Arm Bracket	1751125
8	5/16" x 1" Cap Screw	0161052
9	5/16" Lock Nut	0133007
10	6" Rubber Gasket	0991016
11	6" Stub Assembly	1751071
12	4-1/2" Flex Joint Clamp	0270001
13	4-1/2" Hose	0272010
14	1" x 2-1/2" Cap Screw	0161422
15	T-Bar Cradle Pin Bushing	1751223
16	Ground Wire, 10 Ga. - 42" Long	1811173

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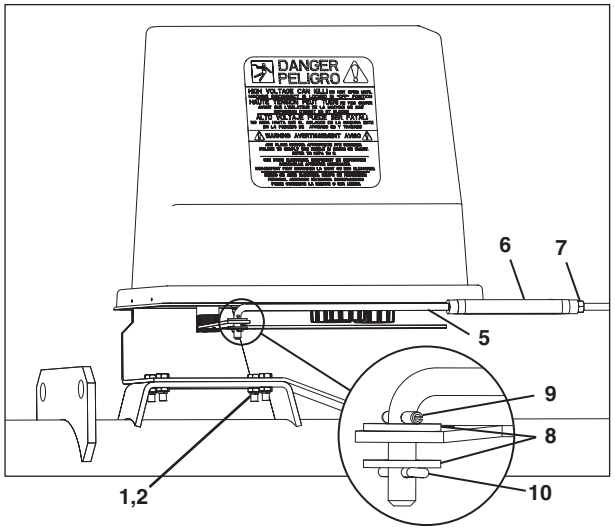


ITEM	DESCRIPTION	PART #
1	1/2" x 2" Cap Screw (top 3 flange bolts)	0161024
	1/2" x 2-1/2" C.S. (bottom 5 flange bolts)	0161137
2	1/2" Lock Nut	0133005
3	6-5/8" Pipe Gasket	0991107
4	Plastic Bearing - 5"	0996572
5	T-Bar Assm.	1751105
6	Control Arm Bracket	1751125
7	5/16" x 1" Cap Screw	0161052
8	5/16" Lock Nut	0133007
9	6" Rubber Gasket	0991016
10	6" Stub Assembly	1751071
11	4-1/2" Flex Joint Clamp	0270001
12	4-1/2" Hose	0272010
13	1" x 2-1/2" Cap Screw	0161422
14	T-Bar Cradle Pin Bushing	1751223
15	Sprinkler Box Rod - Long	1750901
16	5/16" Flat Washer	0142017
17	1/8" x 1" Roll Pin	0111024
18	1/8" x 1" Cotter Pin	0151012
19	Swiveling Outlet Pin Assm.	1751130
20	Upper Joint Assm. w/Zerks	1750958
21	Lower Swivel Assm.	1751020
22	Swivel Keeper Assm.	1750605
23	Lower Swivel Joint Assm. - Long	1750973
24	5" Western Gasket	0221014
25	1/2" x 1-1/2" Cap Screw	0161026
26	Ground Wire, 10 Ga. - 42" Long	1811173

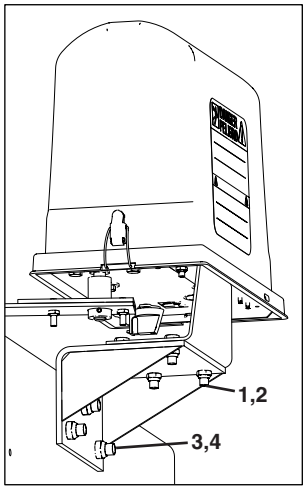
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Sprinkler Sequencing Cam Box

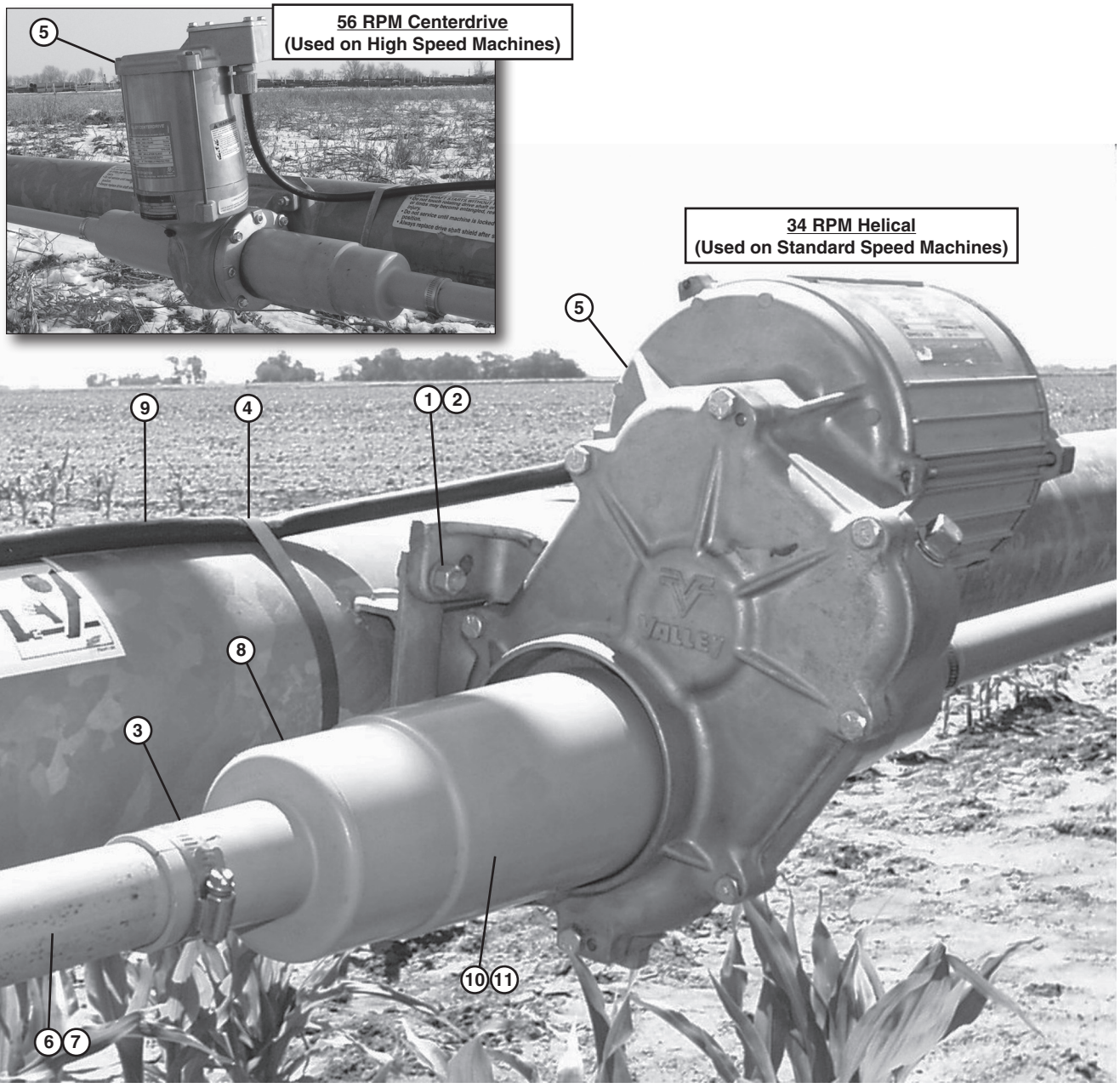


Run Cycle Box



ITEM	DESCRIPTION	PART#
1	3/8" x 1" Cap Screw	0161045
2	3/8" Lock Nut	0133006
3	1/2" x 1-1/2" Cap Screw	0161026
4	1/2" Lock Nut	0133005
5	Sequencing Control Arm - Short	1751054
6	Turnbuckle - 5/16" x 4-1/2"	0202029
7	5/16" Hex Nut	0131019
8	5/16" Flat Washer	0142017
9	1/8" x 1" Roll Pin	0111024
10	1/8" x 1" Cotter Pin	0151012
11	Conduit Fitting Clamp	0271038
12	1/4" x 3/4" Hex Bolt	0161057
13	1/4" Lock Nut	0133008

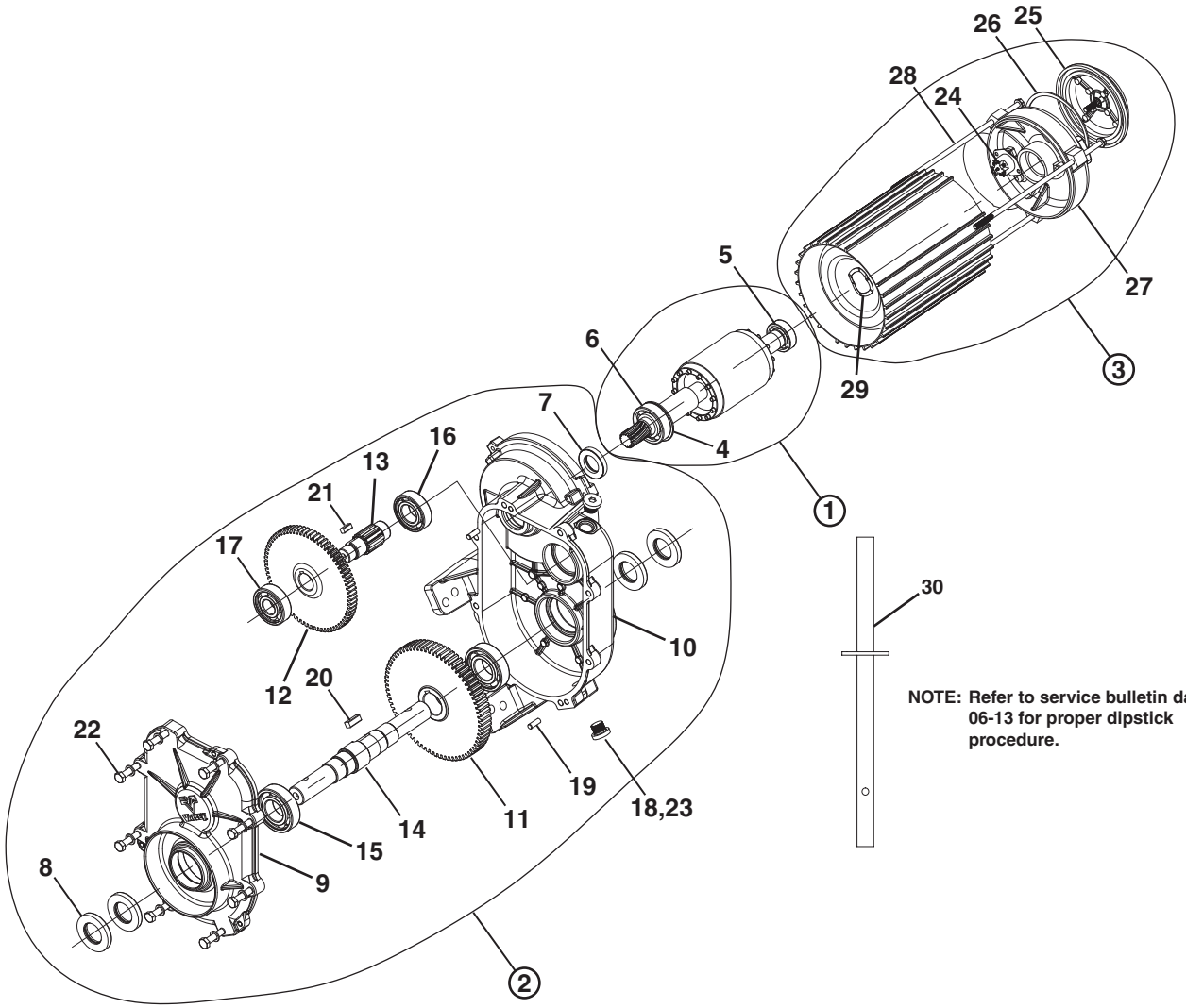
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ITEM	DESCRIPTION	PART#
1	3/8" Lock Nut	0133006
2	3/8" x 1-1/2" Cap Screw	0161082
3	Hose Clamp - 1-1/16" to 2"	0271013
4	Hydraulic Tube Clamp - 24" for 6" Pipe	0271021
5	Motor/Gearbox - 34 RPM Baldor/Omni HELICAL - Standard Speed Machine	03E2468
	Motor/Gearbox - 34 RPM US HELICAL - Standard Speed Machine	03E1554
	Motor/Gearbox - 56 RPM WORM Drive - High Speed Machine	03E2056
6	Drive Shaft Shield (Standard)	0992715
7	Drive Shaft Shield (Low Profile)	0992716
8	U-Joint Shield	1702614
9	Motor Cable (Standard Profile)	1812547
10	Heavy Duty Flex Joint w/Pin Assembly	KA01300
11	Heavy Duty Flex Joint Insert	0996201

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Functional Area	Assembly / Part	Rev# 05-16
LRDU - Gearmotor Detail	Baldor-Boston Helical Gearmotor	



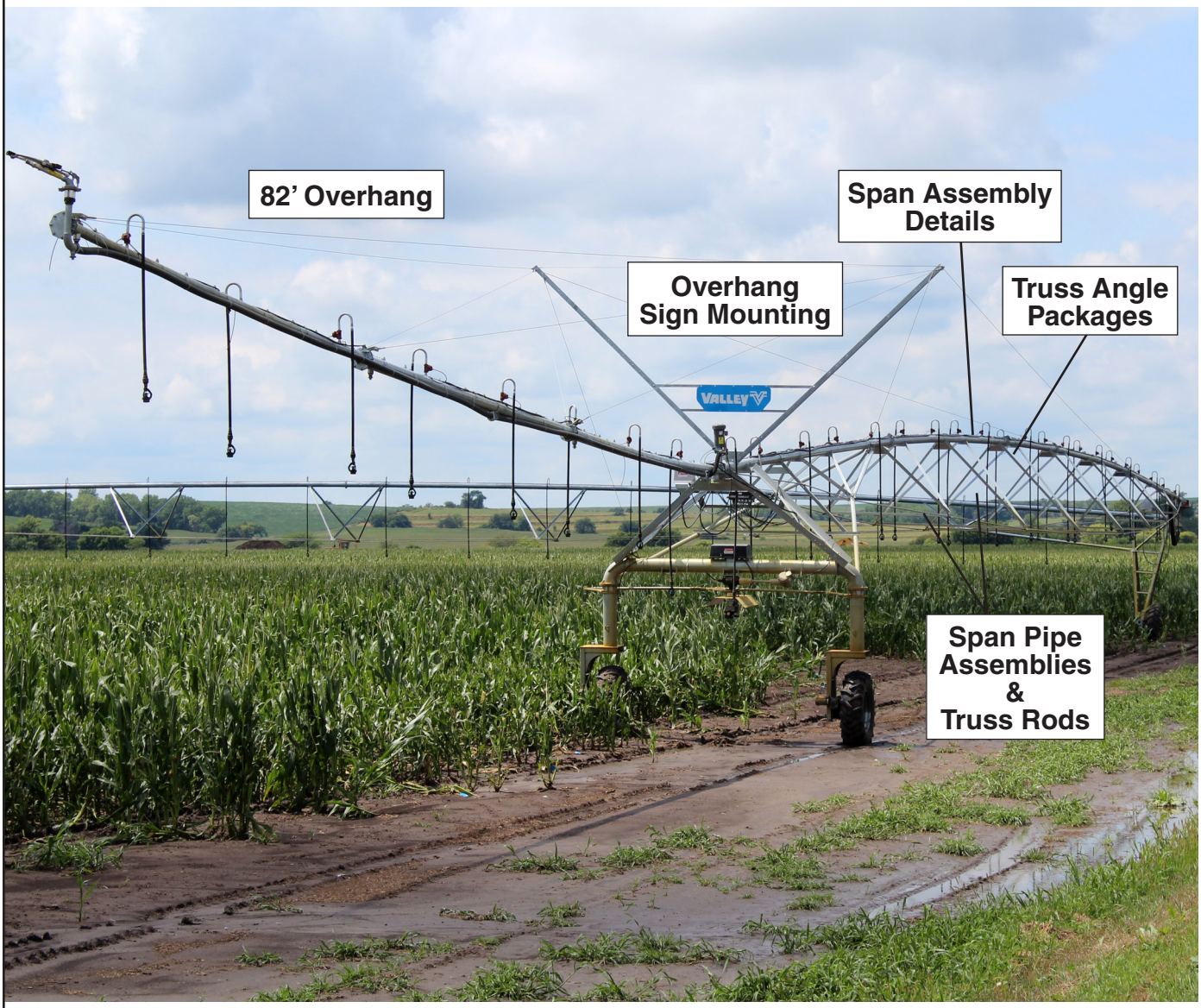
NOTE: Refer to service bulletin dated 06-13 for proper dipstick procedure.

ITEM	DESCRIPTION	PART #
1	Rotor Assm w/(2 Brgs & Seal) - 34 RPM	03E2309
2	Helical Gearbox Assembly (34 & 68 RPM)	03E2465
3	Stator Module Assembly - 34 RPM (Service)	03E2839
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
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

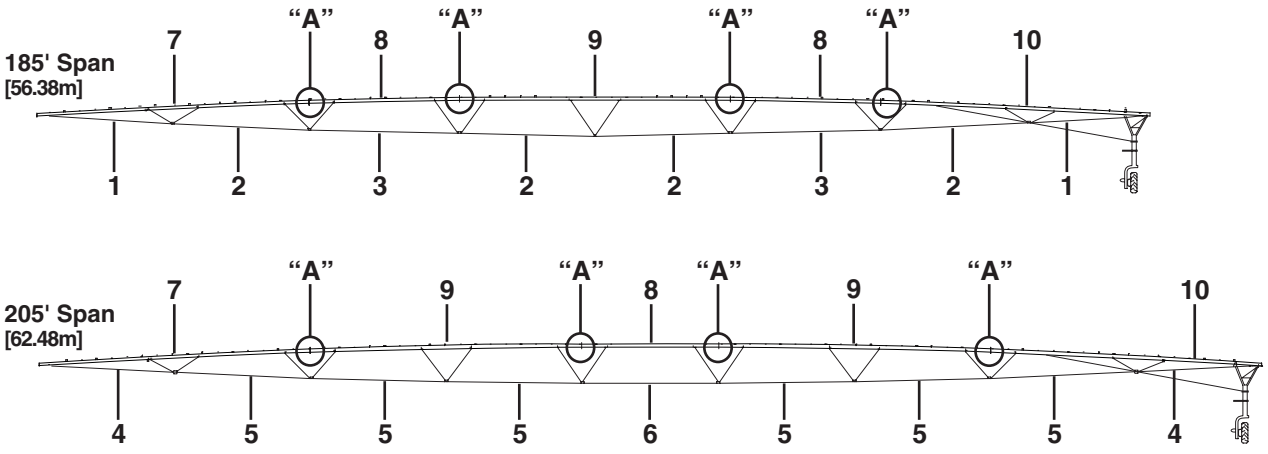
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Corner Spans and Overhangs

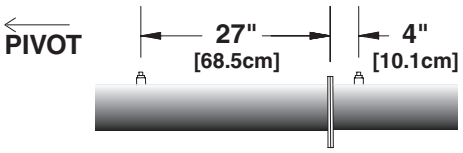


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Model 8000 Span - 6" Pipe - 30"[76.2cm] Coupler Spacing

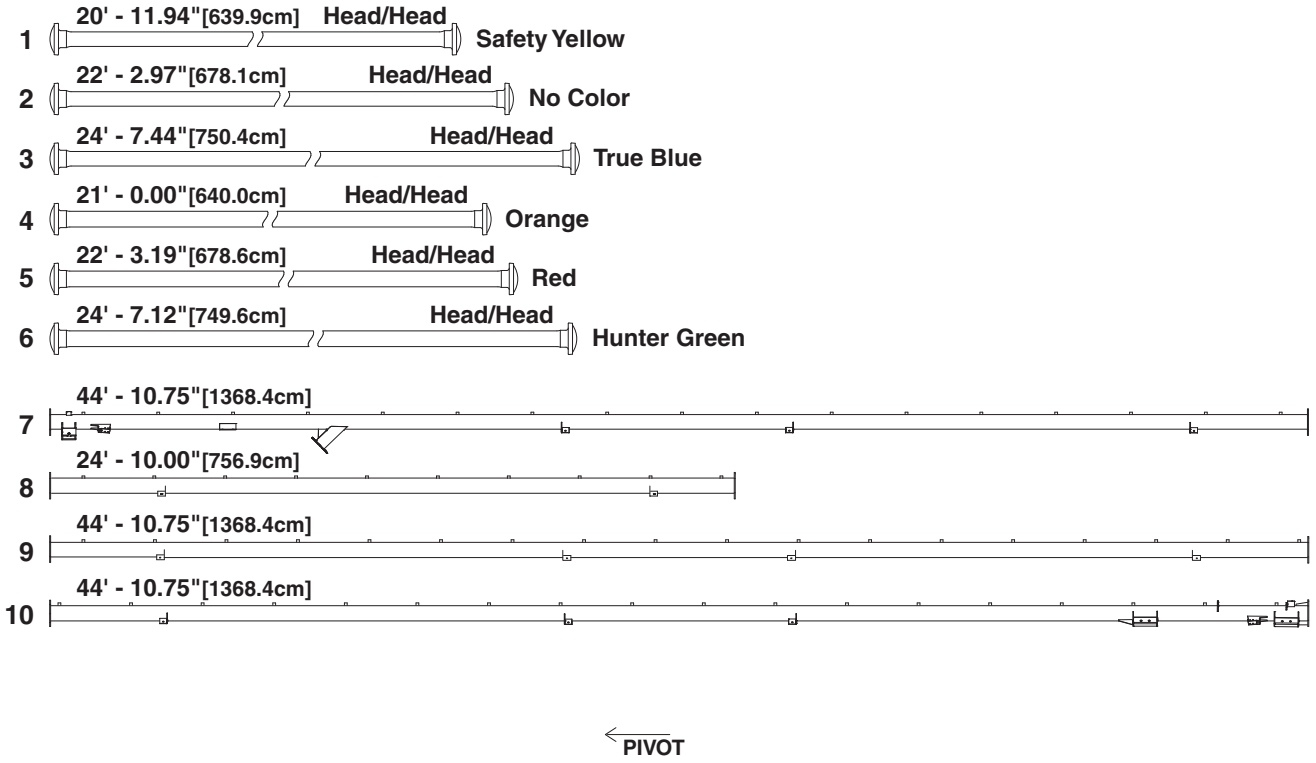


Detail "A"
30" Spacing Pipe-to-Pipe



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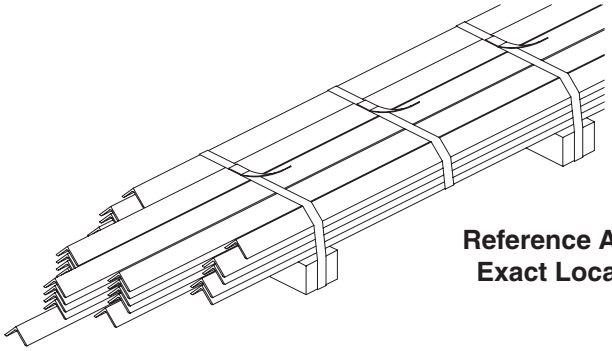
Model 8000 Span - 6" Pipe - 30"[76.2cm] Coupler Spacing



Item	Description	Part# 30”
1	3/4" Tower Truss Rod (20'-11.94")[639.9cm]	9360060
2	3/4" Standard Intermediate Truss Rod (22'-2.97")[678.1cm]	9360061
3	3/4" Intermediate Truss Rod (24'-7.44")[750.4cm]	9360062
4	13/16" Tower Truss Rod (21'-0.00")[640.0cm]	9360064
5	13/16" Standard Intermediate Truss Rod (22'-3.19")[678.6cm]	9360065
6	13/16" Intermediate Truss Rod (24'-7.12")[749.6cm]	9360066
7	45' T-Bar Inlet Pipe (44'-10.75")[1368.4cm]	1751119
8	25' Short Intermediate Pipe (24'-10.00")[756.9cm]	9360140
9	45' Standard Intermediate Pipe (44'-10.75")[1368.4cm]	9360142
10	45' Corner Last Pipe (44'-10.75")[1368.4cm]	1751138

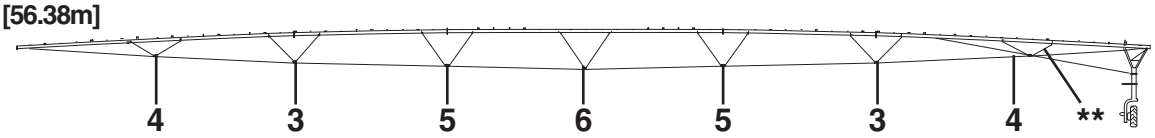
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Model 8000 Span - 6" Pipe - 30"[76.2cm] Coupler Spacing

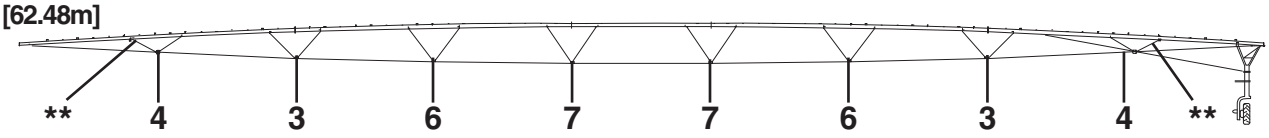


Reference Assembly Detail Page for Exact Location of Truss Packages

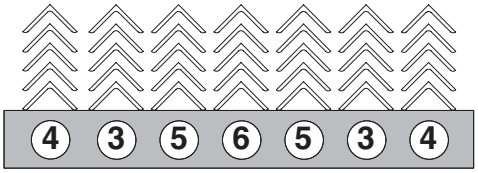
185' Span
[56.38m]



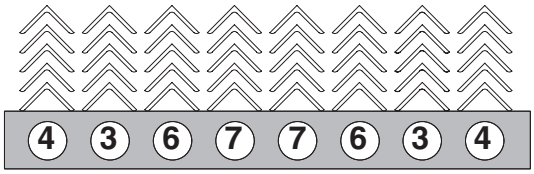
205' Span
[62.48m]



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



185' Truss Angle span Pack (KA09025)



205' Truss Angle span Pack (KA09026)

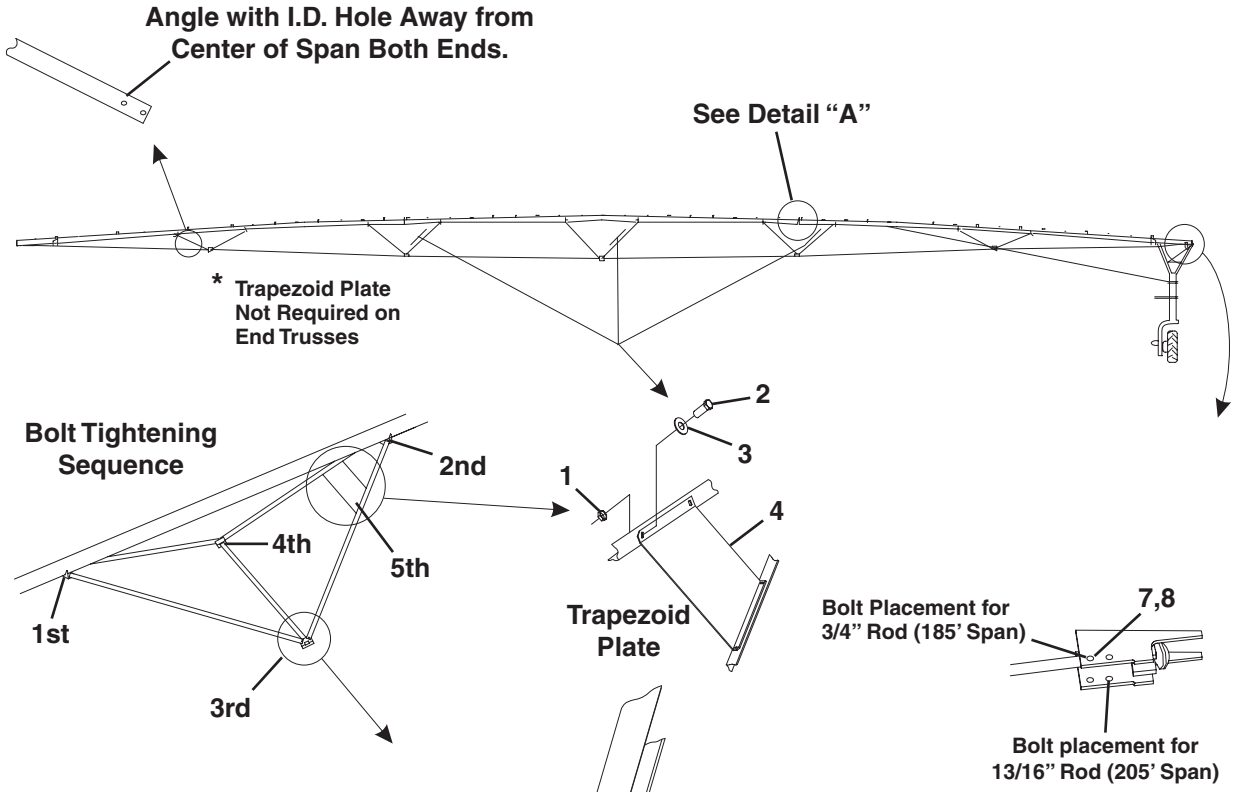
NOTE: Truss Packages listed do not contain required Trapezoid Plates, and Inner & Outer Truss Rod Sockets. THESE PARTS MUST BE ORDERED SEPARATELY.

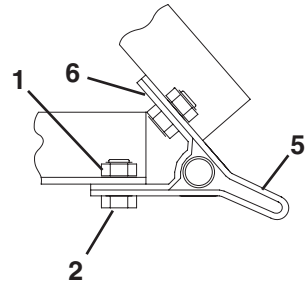
TRUSS PKG #	DIAGONAL			SPREADER		
		Overall Length			Overall Length	
	Part #	Inches	cm	Part #	Inches	cm
3	9360050	82.78"	210.2	9360051	92.69"	235.4
4	9360052**	61.68"	156.6	9360053	52.25"	132.7
	9360074	58.81"	149.3	--	--	
5	9360054	97.25"	247.0	9360055	115.03"	292.1
6	9360056	102.56"	260.5	9360057	122.94"	312.2
7	9360058	112.09"	284.7	9360059	136.84"	347.5

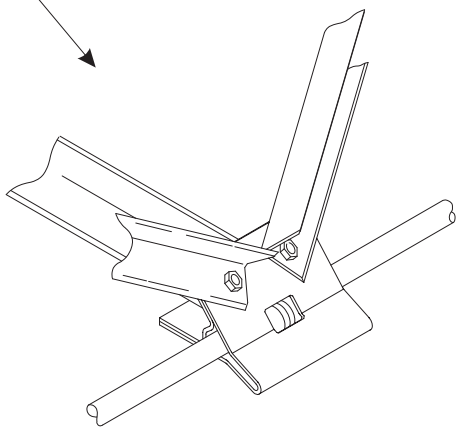
**** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.**

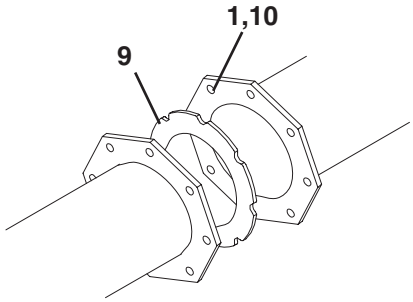
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Model 8000 Span - 6" Pipe - 30"[76.2cm] Coupler Spacing









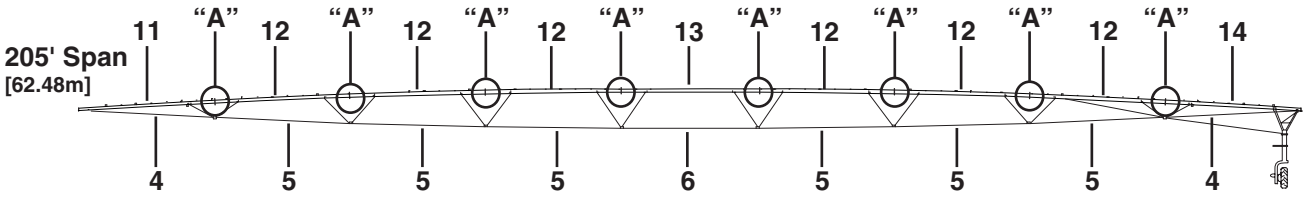
DETAIL "A"

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" Gasket	0994469
10	1/2" x 2" Cap Screw	0161024

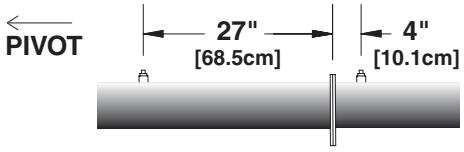
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INTERNATIONAL ONLY

Model 800E Span - 6-5/8" Pipe - 30"[76.2cm] Coupler Spacing



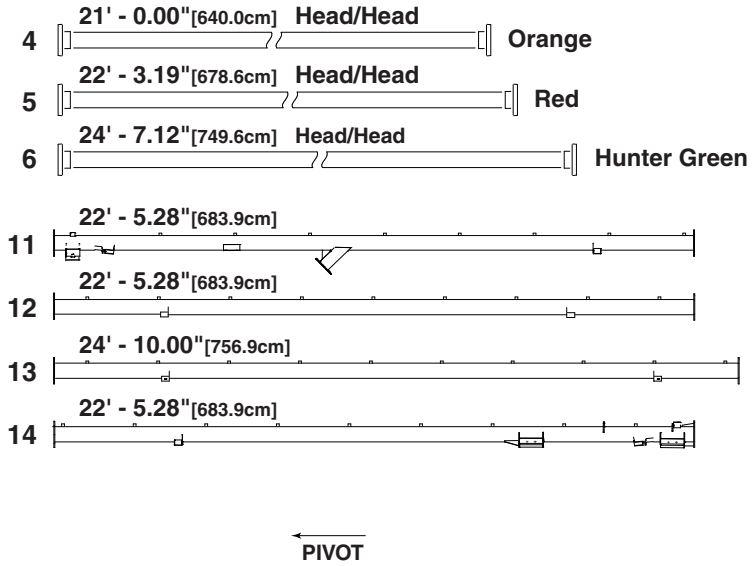
Detail "A"
30" Spacing Pipe-to-Pipe



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INTERNATIONAL ONLY

Model 800E Span - 6-5/8" Pipe - 30"[76.2cm] Coupler Spacing

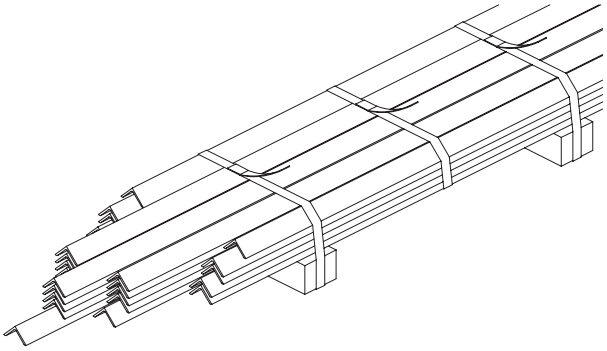


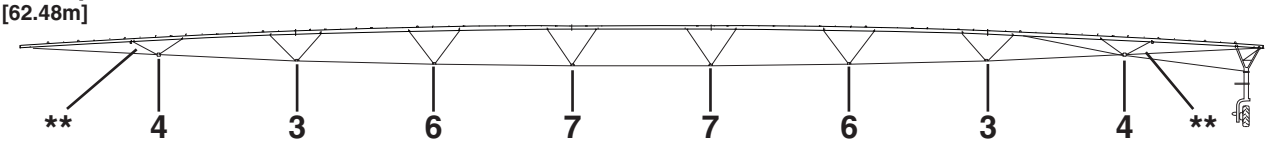
Item	Description	Part# 30"[76.2cm]
4	13/16" Tower Truss Rod (21'-0.00") [640.0cm]	9360064
5	13/16" Standard Intermediate Truss Rod (22'-3.19") [678.6cm]	9360065
6	13/16" Intermediate Truss Rod (24'-7.12") [749.6cm]	9360066
11	22' T-Bar Export Inlet Pipe (22'-5.28") [683.9cm]	1751252
12	22' Intermediate Pipe (22'-5.28") [683.9cm]	9360456
13	25' Intermediate Pipe (24'10.00") [756.9cm]	9360018
14	22' Corner Export Last Pipe (22'-5.28") [683.9cm]	1751251

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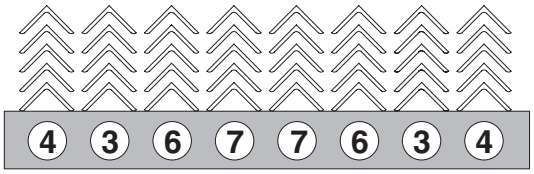
INTERNATIONAL ONLY

Model 800E Span - 6-5/8" Pipe - 30"[76.2cm] Coupler Spacing





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



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.

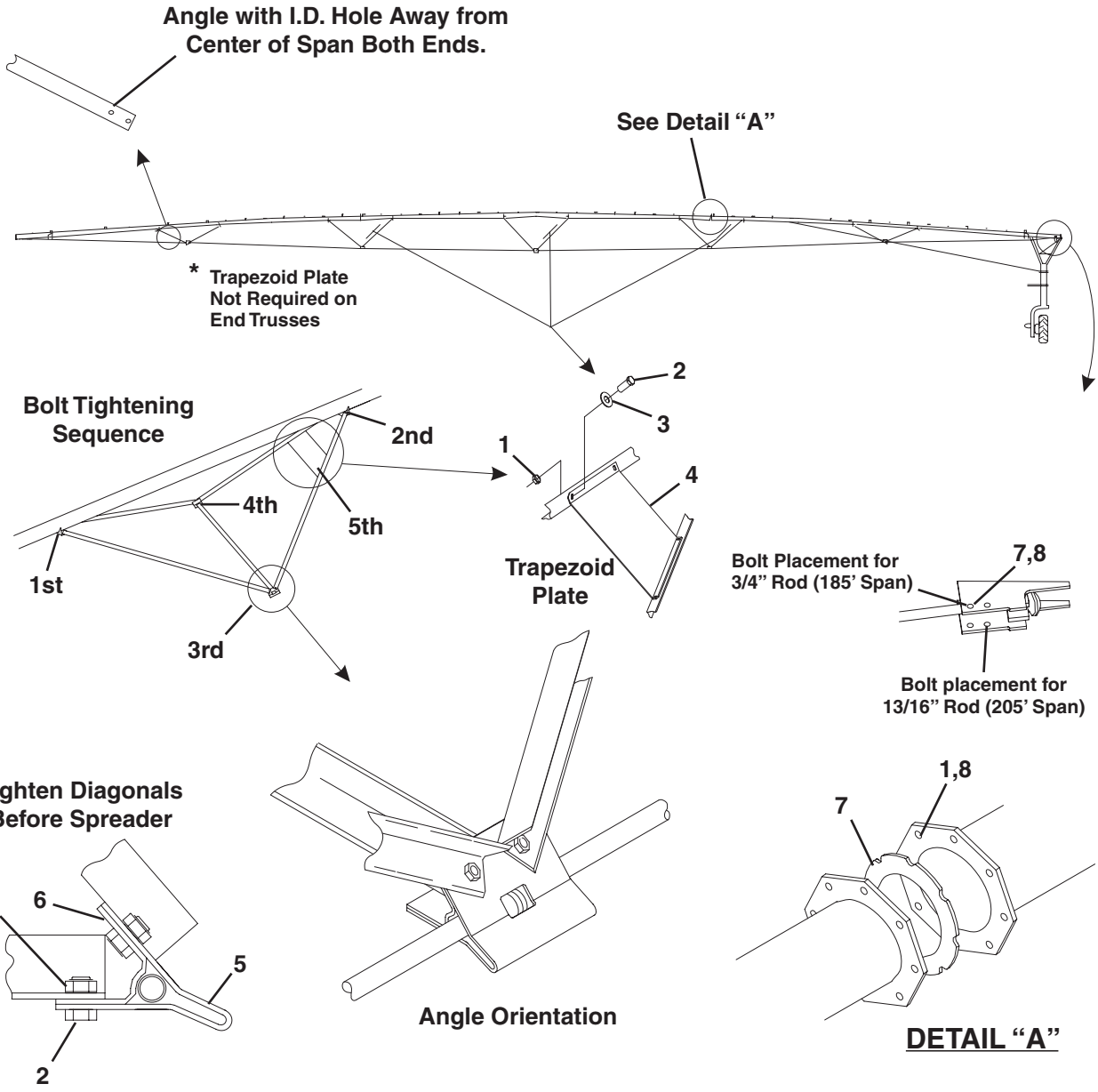
TRUSS PKG #	DIAGONAL			SPREADER		
	PART #	OVERALL LENGTH Inches	cm	PART #	OVERALL LENGTH Inches	cm
3	9360050	82.78"	[210.2cm]	9360051	92.69"	[235.4cm]
4	9360052**	61.68"	[156.6cm]	9360053	52.25"	[132.7cm]
	9360074	58.81"	[149.3cm]	--	--	--
6	9360056	102.56"	[260.5cm]	9360057	122.94"	[312.2cm]
7	9360058	112.09"	[284.7cm]	9360059	136.84"	[347.5cm]

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

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INTERNATIONAL ONLY

Model 800E Span - 6-5/8" Pipe - 30"[76.2cm] Coupler Spacing

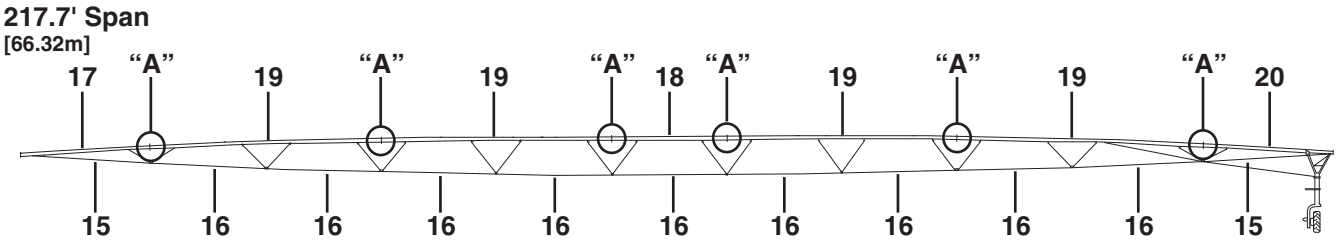


ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	6-5/8" Gasket	0991107
8	1/2" x 2" Cap Screw	0161024

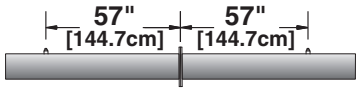
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INTERNATIONAL ONLY

Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing



Detail "A"

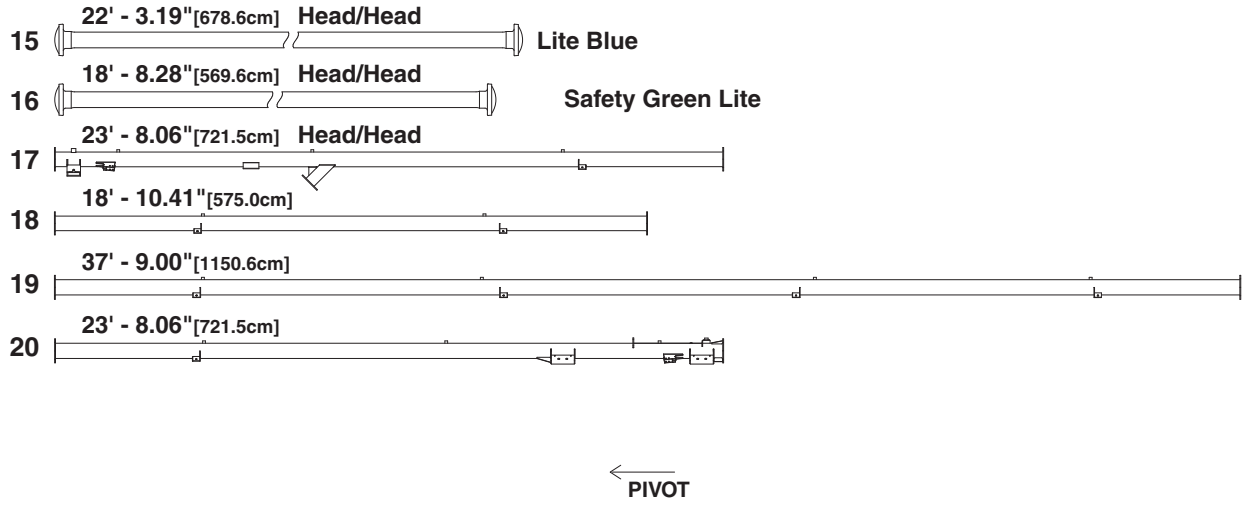


PIVOT

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INTERNATIONAL ONLY

Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing



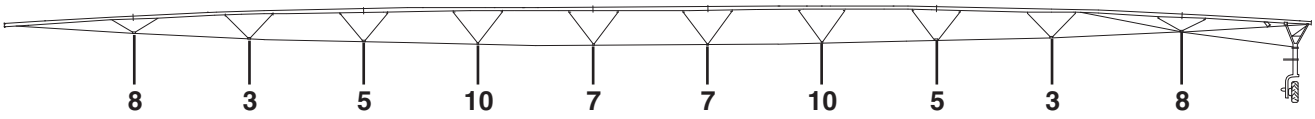
Item	Description	Part#
15	7/8" Tower Truss Rod (22'-3.19")[678.6cm]	9363848
16	13/16" Intermediate Truss Rod (18'-8.28")[569.6cm]	9360719
17	24' T-Bar Export Inlet Pipe (23'-8.06")[721.5cm]	1751220
18	19' Intermediate Pipe (18'-10.41")[575.0cm]	9360684
19	38' Intermediate Pipe (37'-9.00")[1150.6cm]	9360686
20	24' Corner Last Pipe (23'-8.06")[721.5cm]	1751215

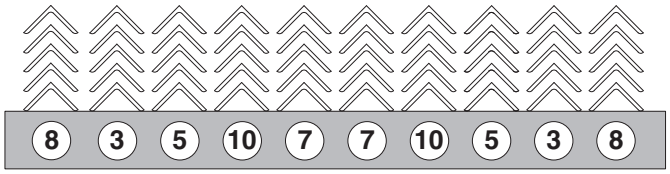
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INTERNATIONAL ONLY

Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing

217.7' Span
[66.32m]





217.7'[66.32m] Truss Angle Span Pack
(KA09991)

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

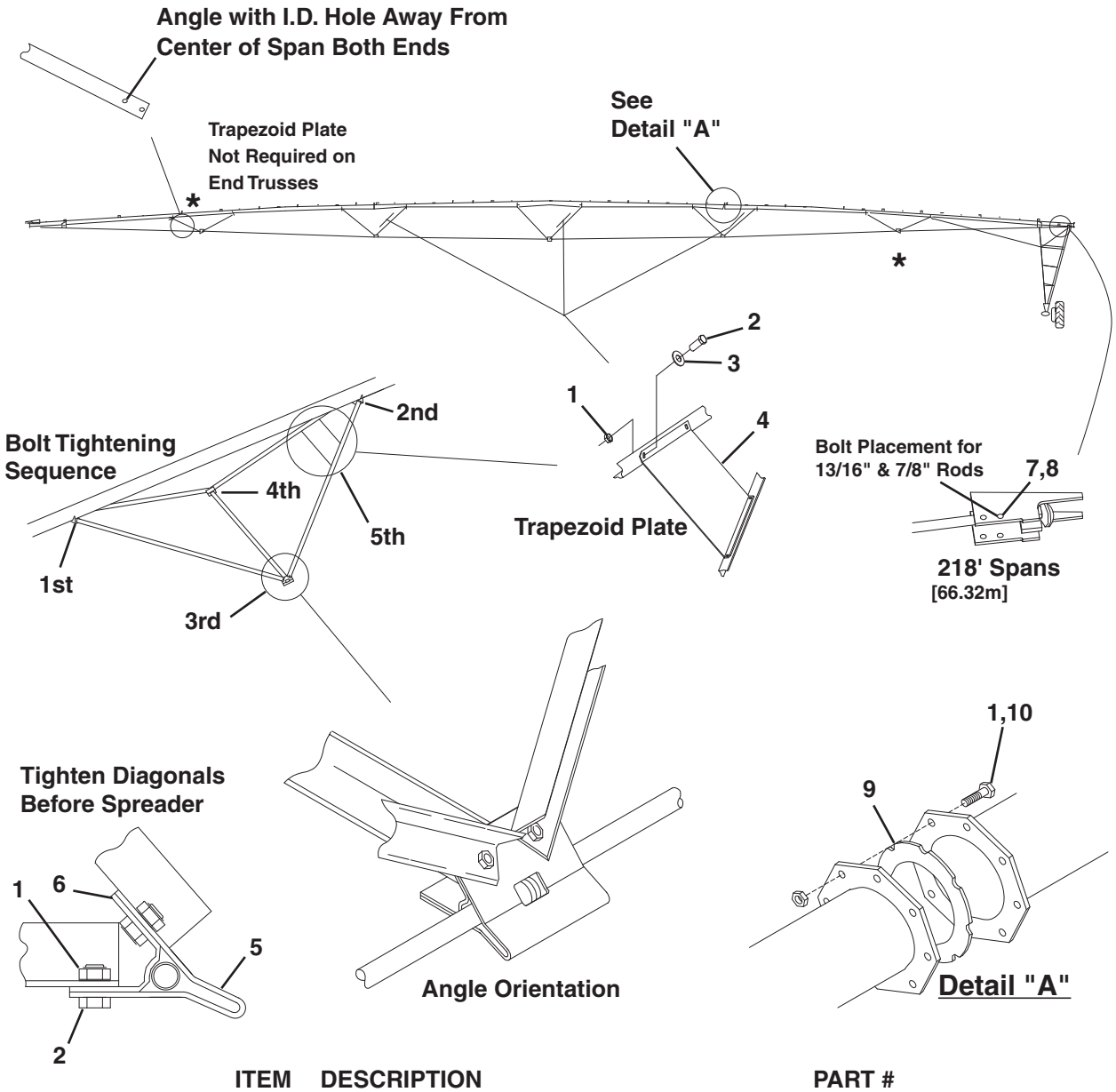
TRUSS PKG #	DIAGONAL			SPREADER		
	Part #	Overall Length Inch	cm	Part #	Overall Length Inch	cm
3	9360050	82.78"	[210.3cm]	9360051	92.69"	[235.4cm]
5	9360054	97.25"	[247.0cm]	9360055	115.03"	[292.2cm]
7	9360058	112.09"	[284.7cm]	9360059	136.84"	[347.6cm]
8	9360735**	63.36"	[160.9cm]	9360736	56.00"	[142.2cm]
	9360734	60.67"	[154.1cm]	-	-	-
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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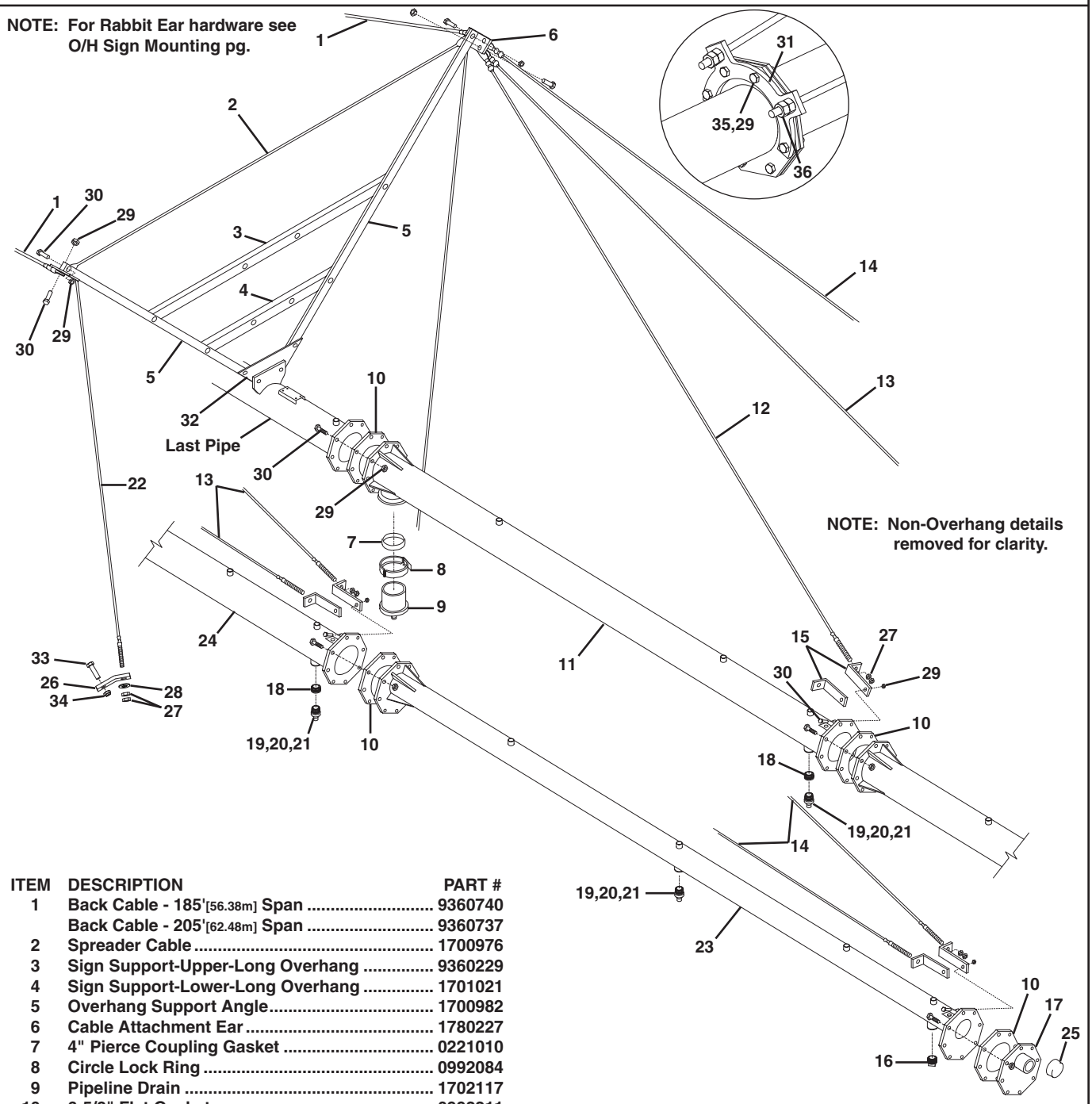
Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing



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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Functional Area	Assembly / Part	Rev# 02-16
Corner Overhang Detail	Model 8000 - 6” - 82'[24.99m] Overhang	



ITEM	DESCRIPTION	PART #
1	Back Cable - 185'[56.38m] Span	9360740
	Back Cable - 205'[62.48m] Span	9360737
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'-6" O.H. Pipe 30"[76.2cm] Sp. w/Drain	9360040
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 w/o End Gun	1800036
	6-5/8" End Plate w/ End Gun	9360136
18	2" x 1" Bushing	0244028
19	Upper Drain Body - Plastic	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	Support Cable	1751222
23	27'-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323

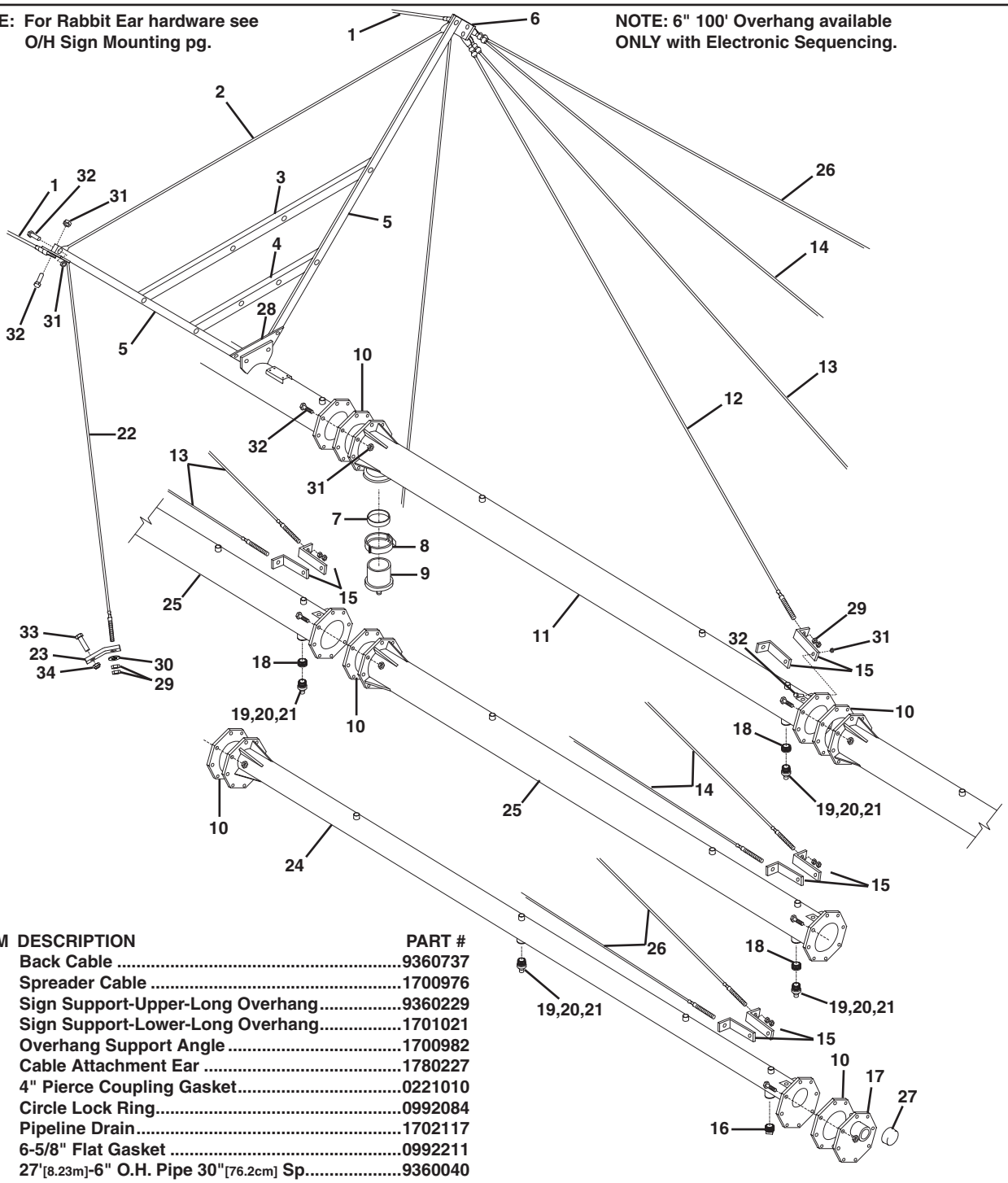
ITEM	DESCRIPTION	PART #
24	27'-6" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781322
25	Pipe Cap	0246046
26	Down Cable Bracket	1751170
27	3/4" Hex Nut	0131008
28	3/4" Flat Washer	0142021
29	1/2" Lock Nut	0133005
30	1/2" x 2" Cap Screw	0161024
31	Cable Mounting Ear Bracket	9361357
32	Trapezoid Plate	9363792
33	5/8" x 2" Cap Screw	0161014
34	5/8" Lock Nut	0133010
35	1/2" x 2-1/2" Cap Screw	0161023
36	7/8" Hex Nut	0131005

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Functional Area	Assembly / Part	Rev# 02-16
Corner Overhang Detail	Model 8000 - 6" - 100'[30.48m] Overhang	

NOTE: For Rabbit Ear hardware see O/H Sign Mounting pg.

NOTE: 6" 100' Overhang available ONLY with Electronic Sequencing.

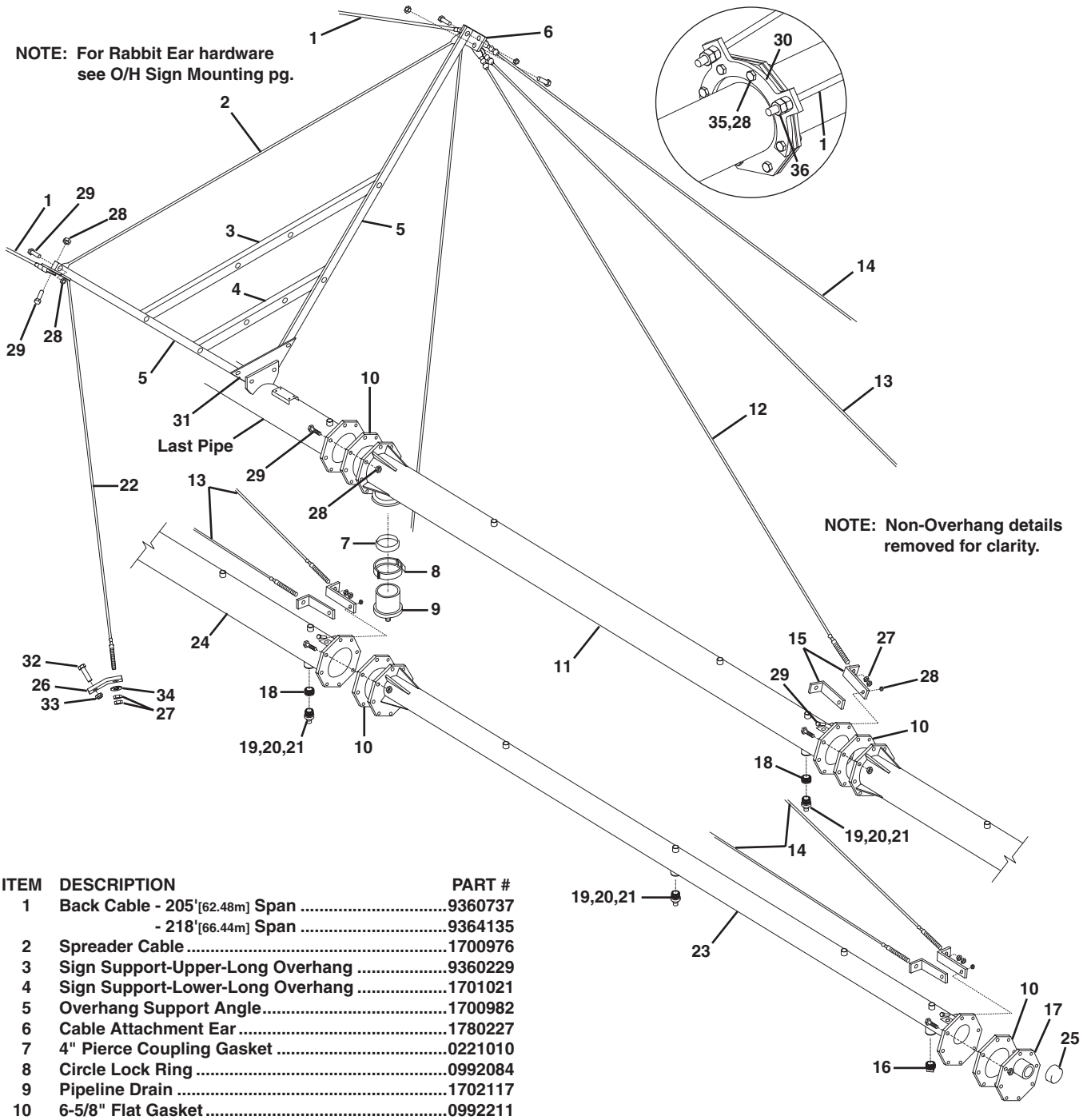


ITEM	DESCRIPTION	PART #
1	Back Cable	9360737
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	6-5/8" Flat Gasket	0992211
11	27'[8.23m]-6" O.H. Pipe 30"[76.2cm] Sp.	9360040
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	1751222
23	Down Cable Bracket	1751170

ITEM	DESCRIPTION	PART #
24	18'[5.49m]-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360641
25	27'[8.23m]-6" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781322
26	100' Overhang Outer Cable	9361774
27	Pipe Cap	0246046
28	Trapezoid Plate	9363792
29	3/4" Hex Nut	0131008
30	3/4" Flat Washer	0142021
31	1/2" Lock Nut	0133005
32	1/2" x 2" Cap Screw	0161024
33	5/8" x 2" Cap Screw	0161014
34	5/8" Lock Nut	0133010

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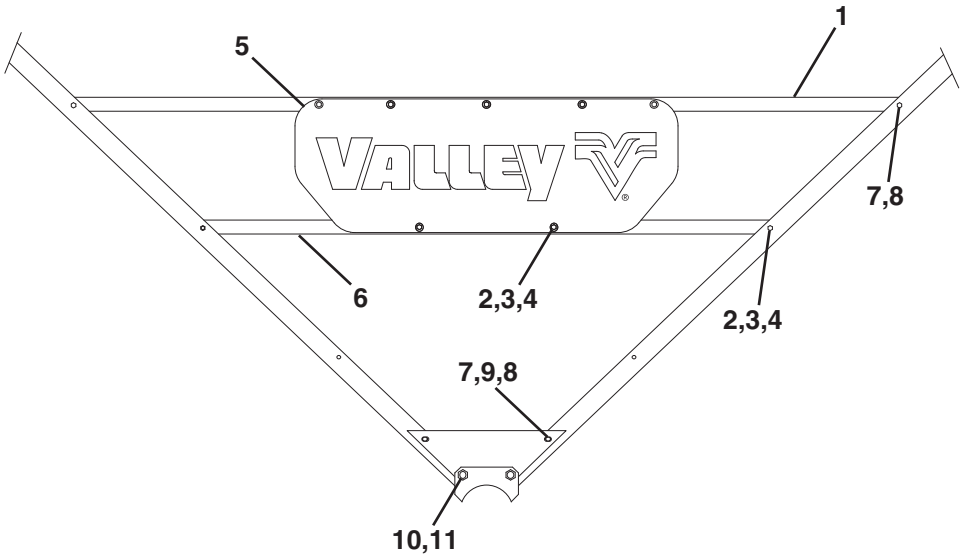
Functional Area	Assembly / Part	Rev# 02-17
Corner Overhang Detail	Model 800E & 8120 - 6-5/8" - 82'[24.99m] Overhang	



ITEM	DESCRIPTION	PART #
1	Back Cable - 205'[62.48m] Span	9360737
	- 218'[66.44m] Span	9364135
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'-6-5/8" O.H. Pipe 30"[76.2cm] Sp. w/Drain	9360646
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 w/o End Gun	1800036
	6-5/8" End Plate w/ End Gun	9360136
18	2" x 1" Bushing	0244028
19	Upper Drain Body - Plastic	0246170
20	Drain Seal	0232568
21	Lower Drain Body	0232004
22	Support Cable	1751222
23	27'-4" Dia. O.H. Pipe 30"[76.2cm] Sp.	1781323

ITEM	DESCRIPTION	PART #
24	27'-6-5/8" Dia. O.H. Pipe 30"[76.2cm] Sp.	9360642
25	Pipe Cap	0246046
26	Down Cable Bracket	1751170
27	3/4" Hex Nut	0131008
28	1/2" Lock Nut	0133005
29	1/2" x 2" Cap Screw	0161024
30	Cable Mounting Ear Bracket	9361357
31	Trapezoid Plate	9363792
32	5/8" x 2" Cap Screw	0161014
33	5/8" Lock Nut	0133010
34	3/4" Flat Washer	0142021
35	1/2" x 2-1/2" Cap Screw	0161023
36	7/8" Hex Nut	0131005

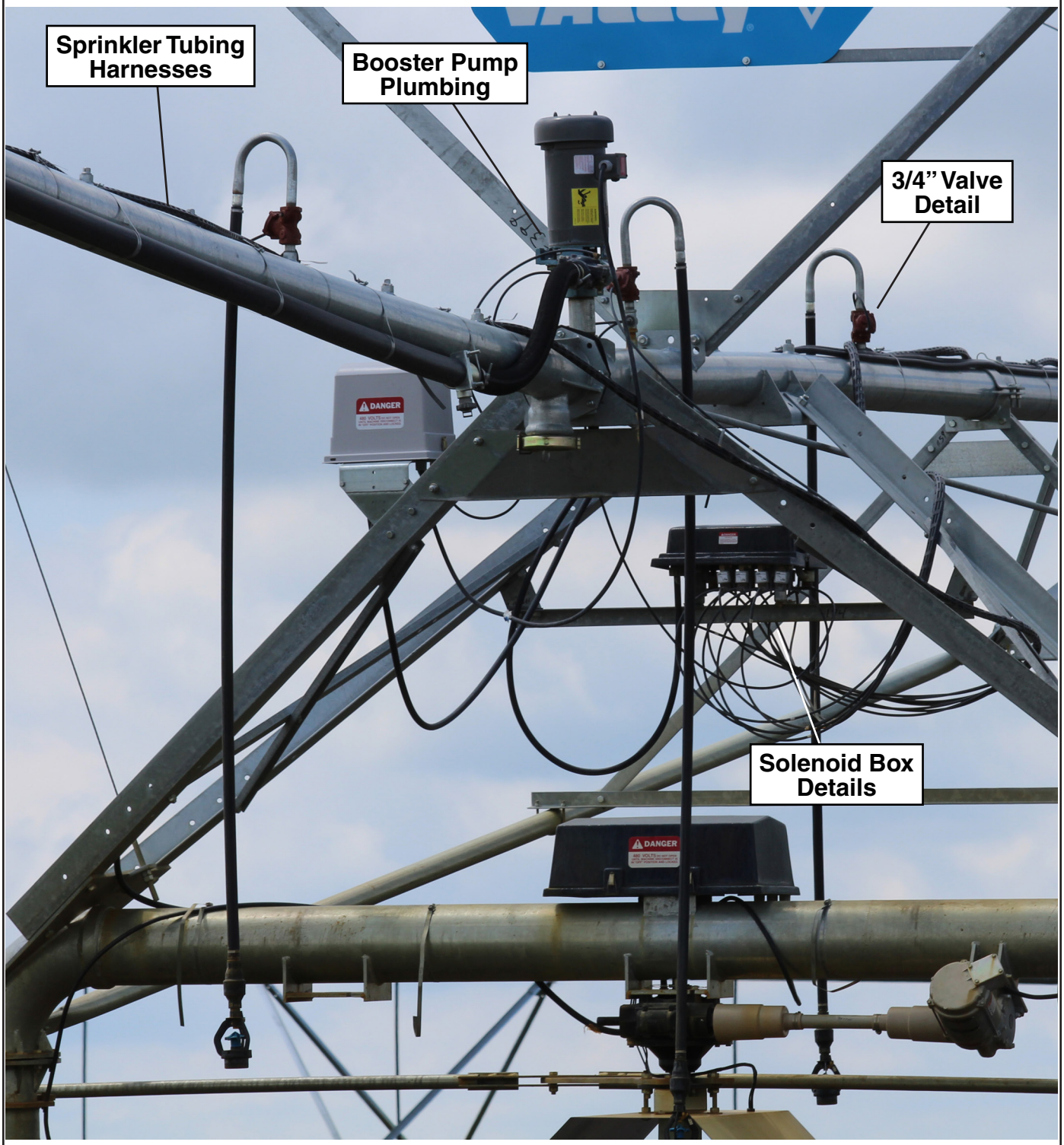
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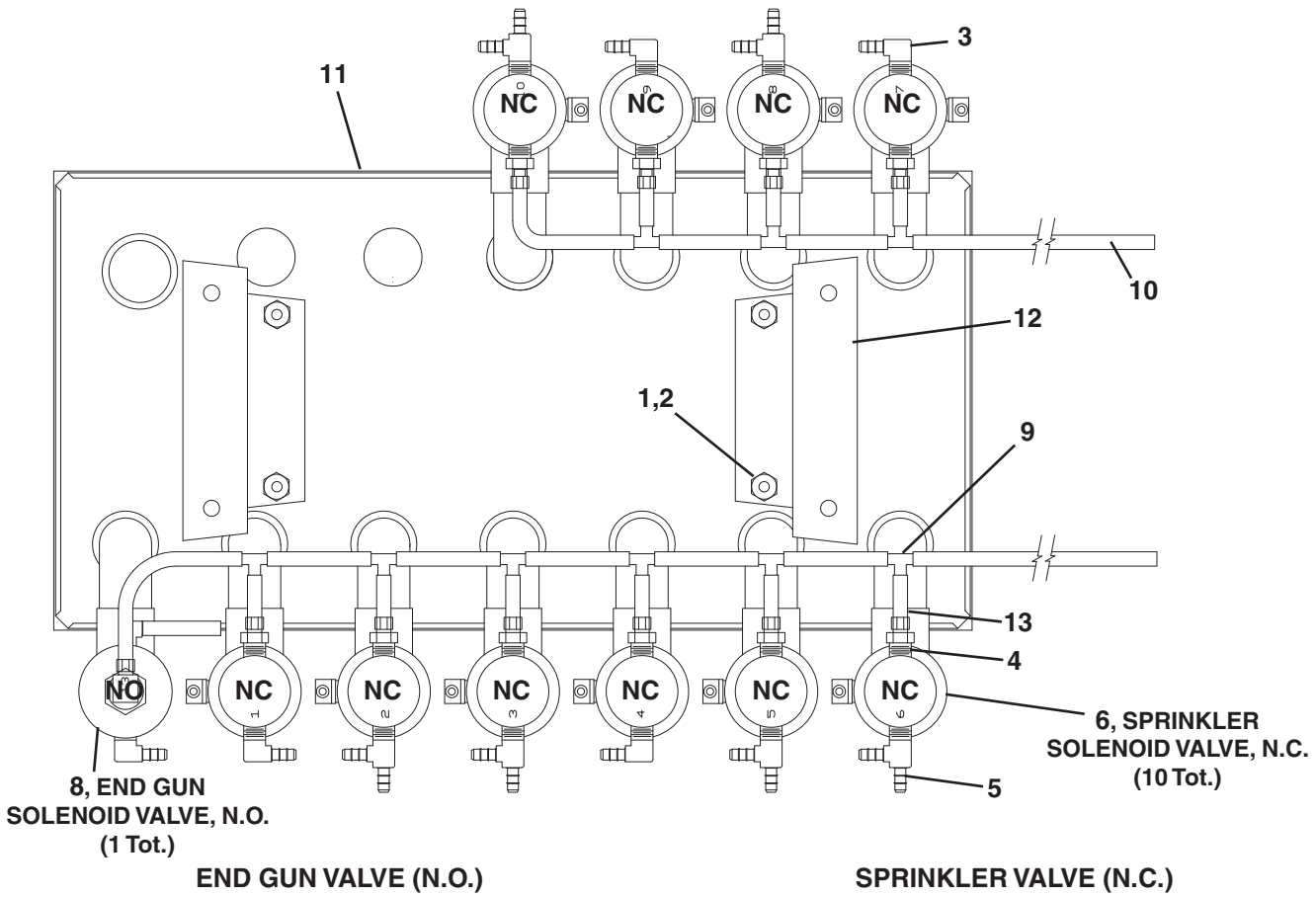
ITEM	DESCRIPTION	PART #
1	Sign Support-Upper-Long Overhang	9360229
2	5/16" Lock Nut	0133007
3	5/16" Flat Washer	0142017
4	5/16" x 1" Cap Screw	0161052
5	Valley Sign	0994656
	Valley Sign - 8000 series - DISCONTINUED Jun 18	0997285
6	Sign Support-Lower-Long Overhang	1701021
7	1/2" x 1-1/4" Cap Screw	0161027
8	1/2" Lock Nut	0133005
9	1/2" Flat Washer	0142025
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" Lock Nut	0133011

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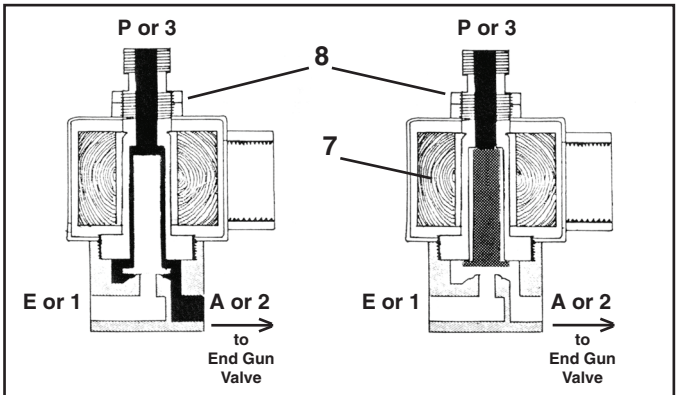
Sprinkler



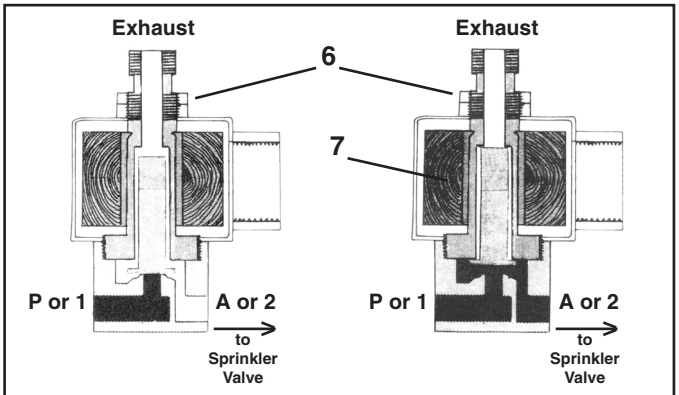
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END GUN VALVE (N.O.)

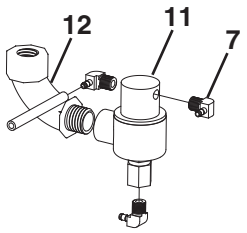


SPRINKLER VALVE (N.C.)

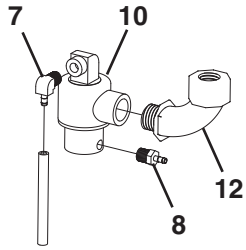


ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	1/4" x 3/4" Hex Bolt	0161057
3	Elbow Tube to Male Pipe Fitting	0232361
4	Connector Tube to Male Pipe	0232362
5	1/8 NPT x 1/4" x 1/4" Tee Fitting	0232367
6	COMPLETE Solenoid Valve, N.C.	0232450
7	Skinner Solenoid Valve Coil	0232451
8	COMPLETE Solenoid Valve, N.O.	0232452
9	1/4" Union Tee	0270002
10	Nylon Tubing Hose - .294" O.D. x 500'	0272050
11	Solenoid Valve Box Bottom Plate	1703807
12	Solenoid Box Corner Stand	1703808
13	Clamp	0271115
	COMPLETE Box Assembly w/o Lid	9310588

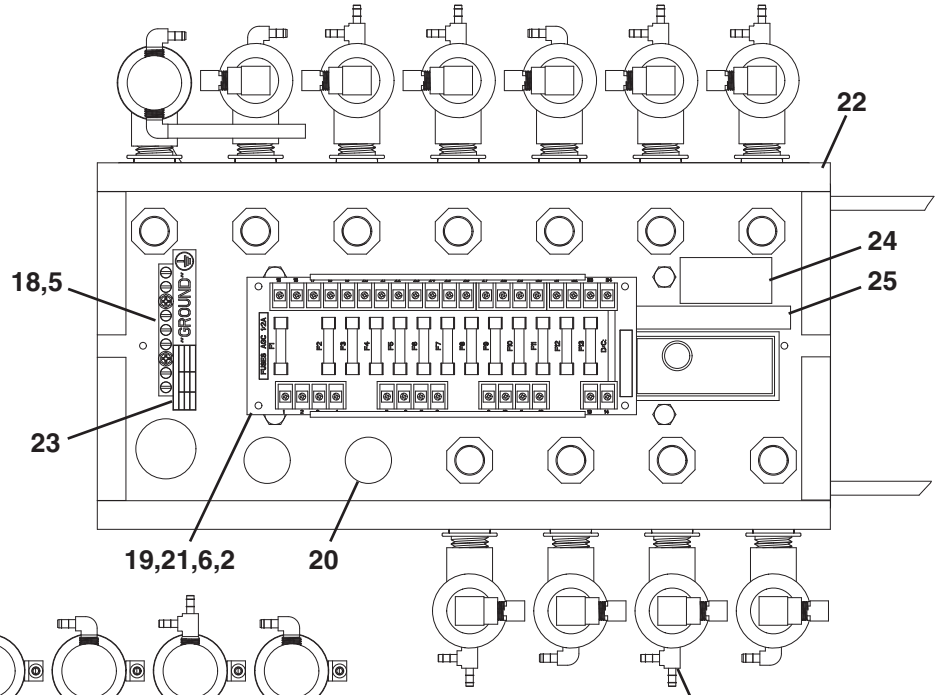
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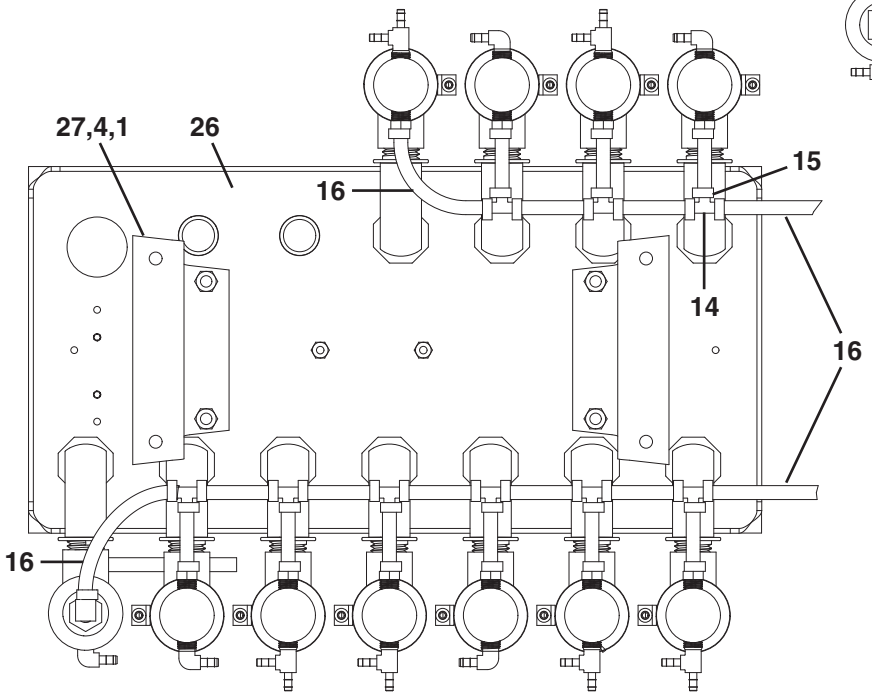


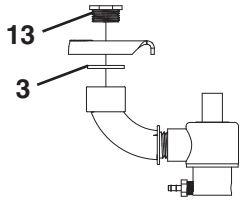
NORMALL OPEN SOLENOID



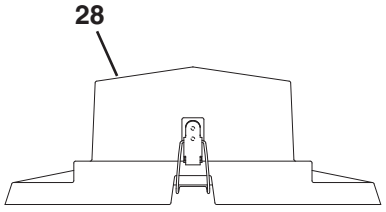
NORMALL CLOSED SOLENOID





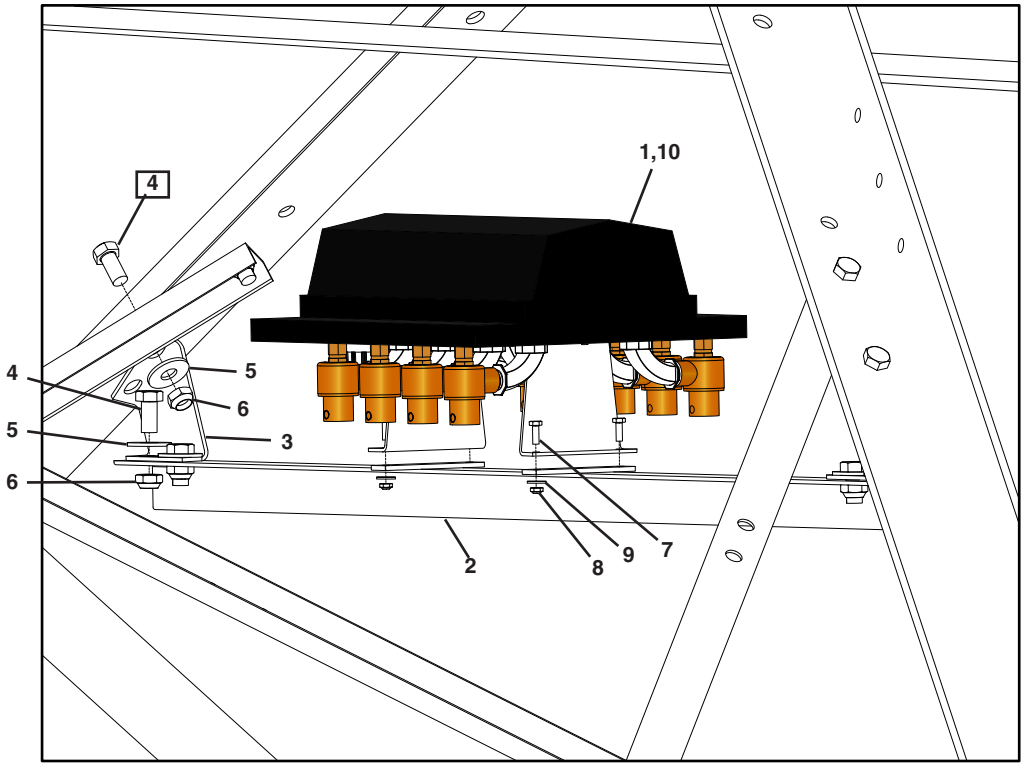


ELBOW TO BOTTOM PLATE



ITEM	DESCRIPTION	PART#	ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020	16	Nylon Tubing - .294 O.D. x 500'	0272050
2	#8 Hex Nut	0134023	17	Tyton Ty Wrap (not shown)	0314225
3	Flat Washer - 1.136" O.D.	0142075	18	7 Terminal Ground Lug	0315120
4	1/4" x 3/4" Cap Screw	0161057	19	13 Solenoid Fuse Panel P.C.B.	03E1955
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356	20	Snap Button Plug - 7/8" Dia. Hole	03E2166
6	#8 x 1/2" Machine Screw RH	0164042	21	Snaptrack - 6" Long	0991587
7	Elbow Fitting - Tube to Male Pipe	0232361	22	Solenoid Valve Box Gasket	0992081
8	MFL Connector - Tube to Male Pipe	0232362	23	Decal - Ground Lug	0992925
9	Tee Fitting - 1/8" NPT x 1/4" 1/4"	0232367	24	Decal - U.L. Circuit Supply 120 V	0994147
10	Complete Solenoid Valve, N.C.	0232450	25	Decal - Copper Wire Only	0994836
11	Complete Solenoid Valve, N.O.	0232452	26	Bottom Plate - Solenoid Valve Box	1703807
12	1/2" Elbow Fitting	0241057	27	Solenoid Box Stand	1703808
13	Rigid Conduit Nipple	0244037	28	Solenoid Box Cover Assembly (not incl. in assm.)	1703791
14	1/4" Union Tee	0270002			
15	Tube Harness Crimp Clamp	0271115		COMPLETE Box Assembly w/o Lid	9310588

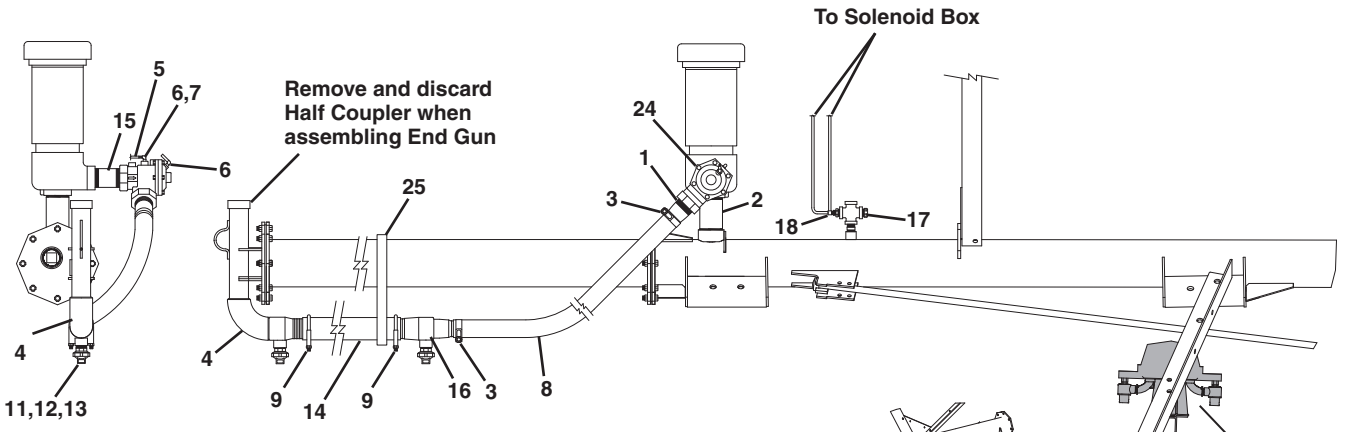
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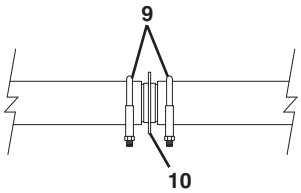


ITEM	DESCRIPTION	PART#
1	11 Solenoid Valve Box w/o Lid	9310588
2	Solenoid Box Mount Assm.	1751174
3	Solenoid Mounting Bracket	1751171
4	1/2" x 1-1/4" Cap Screw	0161027
5	1/2" Flat Washer	0142025
6	1/2" Lock Nut	0133005
7	1/4" x 3/4" Cap Screw	0161057
8	1/4" Lock Nut	0133008
9	1/4" Flat Washer	0142022
10	Solenoid Box Cover Assm.	1703791

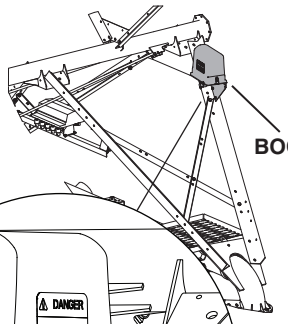
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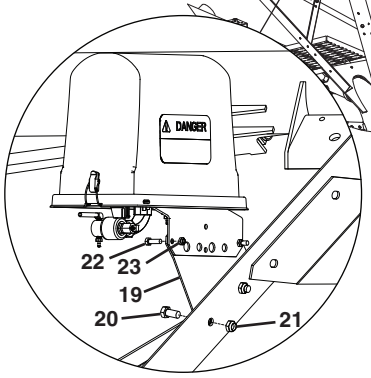
Assembly / Part
Booster Pump Plumbing Schematic & Box Mounting



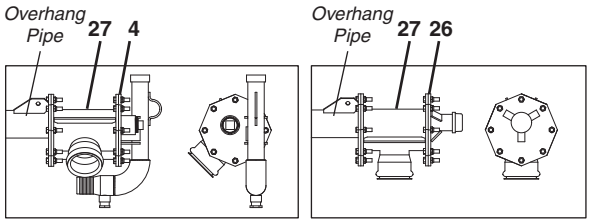


Poly Pipe Splice
Configuration
for 82' Overhangs





BOOSTER PUMP
BOX MOUNTING



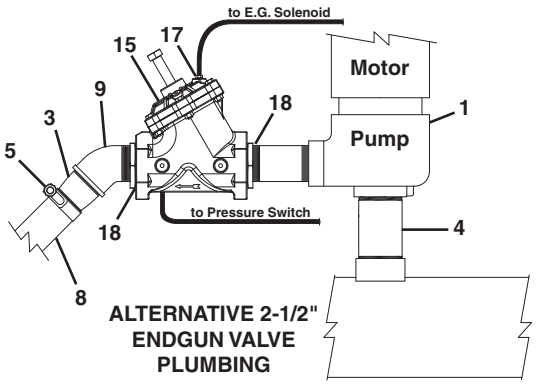
w/ Booster Pump w/o Booster Pump

Optional Flush Out

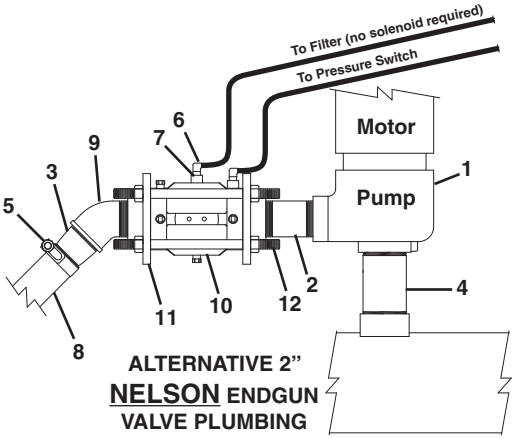
ITEM	DESCRIPTION	PART#
1	2" Hose Insert	0271035
2	2-1/2" x 6" Nipple	0211156
3	Hose Clamp - 2.69" max / 2.38" min	0271085
4	Overhang Endplate Assembly	9360136
5	1/4" Tube - 0.304" O.D. x 12' Long	1701789
6	Elbow Tube Insert	0232361
7	1/4" x 1/8" Bushing	0244024
8	2" x 36" Reinforced Hose	0272034
9	2-3/4" Muffler Clamp	0271059
10	2-1/2" Hose Splice	1702676
11	Upper Drain Body - Metal	0232023
12	Drain Seal	0232568
13	Lower Drain Body	0232004
14	2-1/2" I.D. x 28'[5.53m] Polypipe - 82'[24.99m] Overhang	0992895
	2-1/2" I.D. x 43'[13.10m] Polypipe - 82'[24.99m] Overhang	0992752

ITEM	DESCRIPTION	PART#
15	2" x 4-1/2" Nipple	0211047
16	2" x 2-1/2" Hose Insert Splice Assm.	9360137
17	3/4" Filter Cross	9360897
18	Tee Fitting - 1/8" NPT x 1/4" x 1/4"	0232367
19	Tower Box Mounting Bracket	1751224
20	1/2" x 1" Cap Screw	0161028
21	1/2" Lock Nut	0133005
22	5/16" x 1" Cap Screw	0161052
23	5/16" Lock Nut	0133007
24	2" 495 Diaphragm Angle Valve	0232480
25	Hose Clamp	0271051
26	6-5/8" Endplate Assm.	1800036
27	6" Flush Out Stub Assm. w/ 4" Drain	9360312
	Flush Out Install Kit (incl. cap screws(8) & lock nuts(8))	KA02427

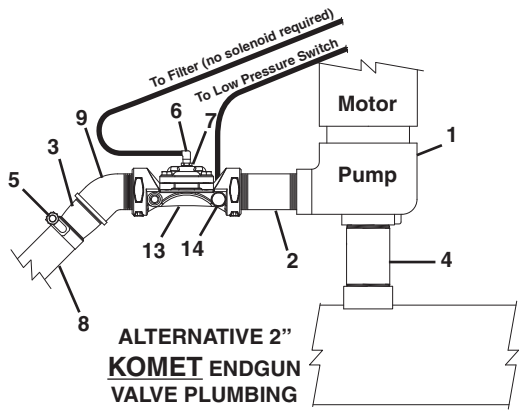
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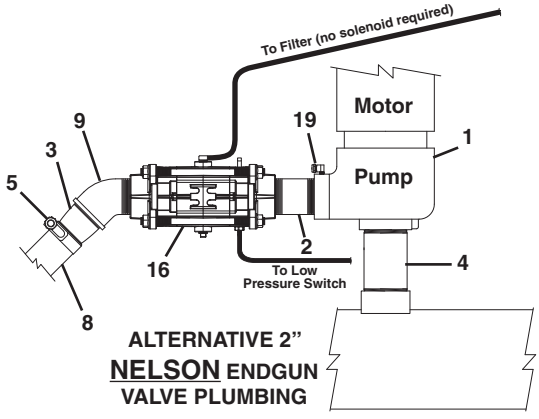
ALTERNATIVE 2-1/2" ENDGUN VALVE PLUMBING



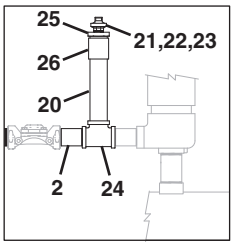
ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING



ALTERNATIVE 2" KOMET ENDGUN VALVE PLUMBING



ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING

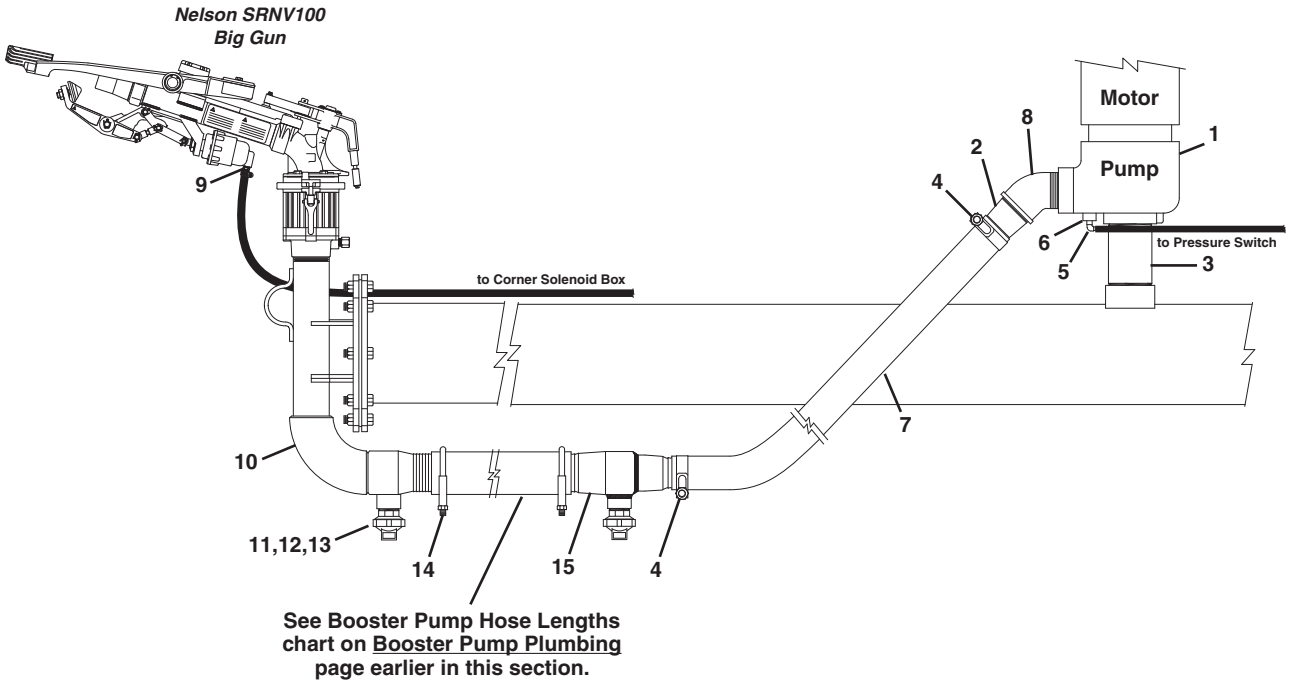


AIR RELIEF KIT
(For either Nelson or Komet Valve application

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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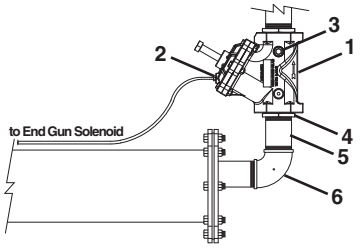


ITEM	DESCRIPTION	PART #
1	2 HP Booster Pump	0992806
	5 HP Booster Pump w/5" Impeller	0993417
	5 HP Booster Pump w/5-3/4" Impeller	0992898
	7.5 HP Booster Pump	0992884
2	2" Hose Insert	0271035
3	2-1/2" x 6" Nipple	0211156
4	Hose Clamp - 2.69" max / 2.38" min	0271085
5	Elbow Tube Insert	0232361
6	1/4" x 1/8" Bushing	0244024
7	2" x 36" Reinforced Water Hose	0272034
8	2" x 45° Street Elbow	0241053
9	MFL Connector - Tube to Male Pipe	0232362
10	Overhang Endplate w/ End Gun & Booster Pump	9360136
11	Upper Drain Body	0232023
12	Drain Seal	0232568
13	Lower Drain Body	0232004
14	2-3/4" Muffler Clamp	0271059
15	2" x 2-1/2" Hose Insert Splice Assm.	9360137

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2-1/2" END GUN VALVE

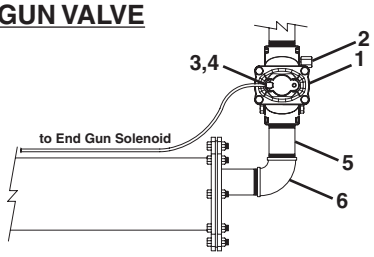
ITEM	DESCRIPTION	PART #	
1	2-1/2" Diaphragm End Gun Valve	0232323	*
2	MFL Connector - Tube to Male Pipe	0232362	*
3	Bleeder Plug	0232440	*
4	2-1/2" x 2" Reducer - Galvanized	0244021	
5	2" x 4" Nipple - Galvanized	0211047	
6	End Gun Elbow	1926125	
	Diaphragm & Seal Kit	0232297	
	Internal Parts Kit	0232298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



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

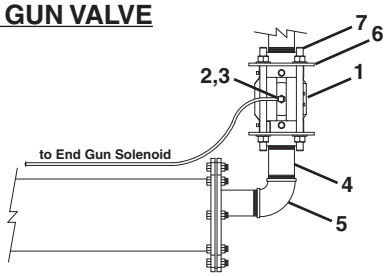
2" KOMET END GUN VALVE

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

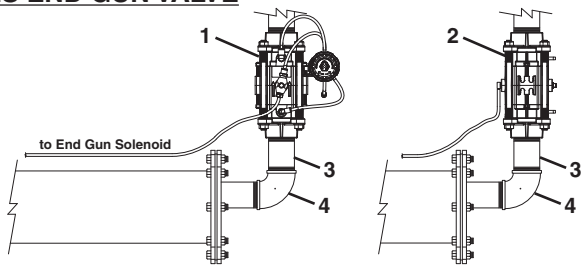
ITEM	DESCRIPTION	PART #	
1	2" Nelson End Gun Valve	0232504	*
2	Elbow Fitting - Tube to Male Pipe	0232361	
3	1/4" x 1/8" Reducer Bushing - Galvanized	0244024	
4	2" x 4" Nipple - Galvanized	0211047	
5	End Gun Elbow	1926125	
6	2" FNPT x ANSI Flange Adapter	0996405	*
7	Stud Kit - 1/2" x 8.25"	0980217	*
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

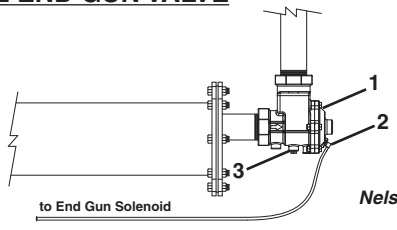
*NOTE: Ball / Drain Vent (0232566) included with End Gun Valves.



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	

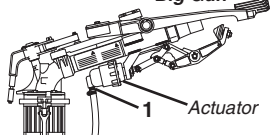
*NOTE: Items included with End Gun Valve 0232480.

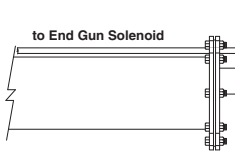


NELSON SRNV100 END GUN NOZZLE VALVE

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

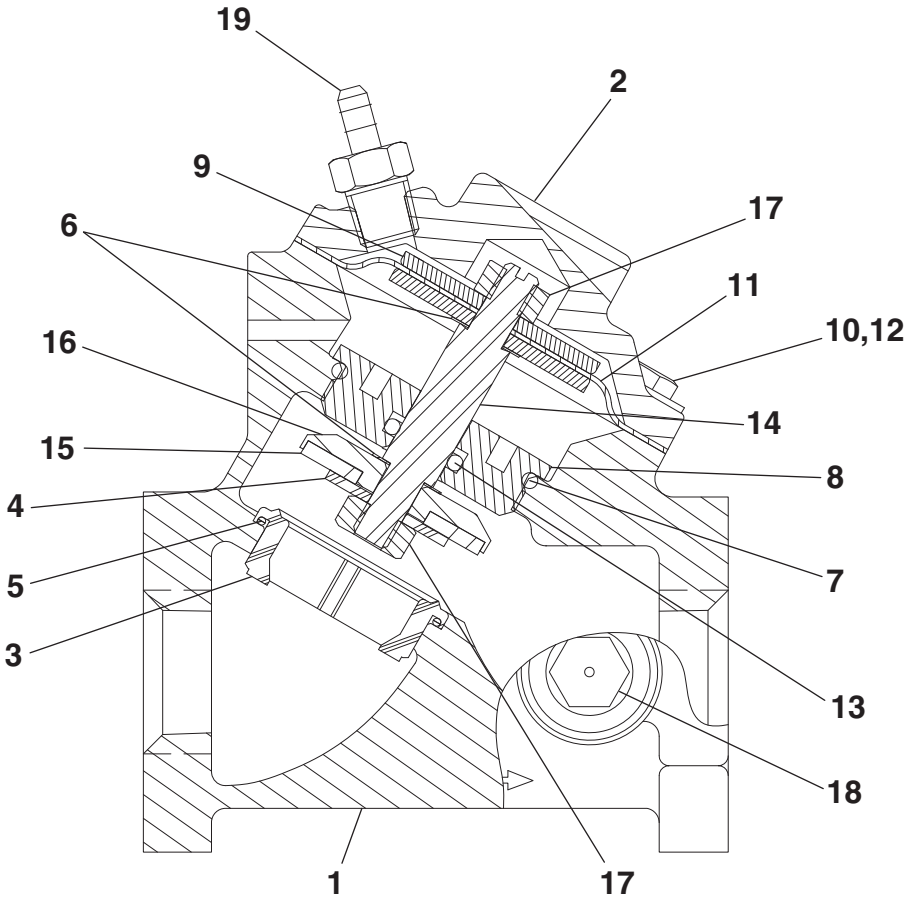
Nelson SRNV100 Big Gun





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

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NO.	DESCRIPTION
1	BODY 3/4"
2	CAP 1/8 NPT
3	SEAT (421)
4	DISC PLATE
5	O-RING 2-025
6	GASKET -1/2 OD
7	O-RING 2-125
8	GUIDE SHAFT-421
9	DIAPHRAGM PLATE-421
10	1/4-20 X 7/8 CAP SCREW
11	DIAPHRAGM-421
12	1/4-20 HEX NUT
13	O-RING 2-110
14	SHAFT -421
15	DISC
16	DISC HOLDER
17	1/4-28 HEX NUT
18	BLEED PLUG
19	TUBE FITTING

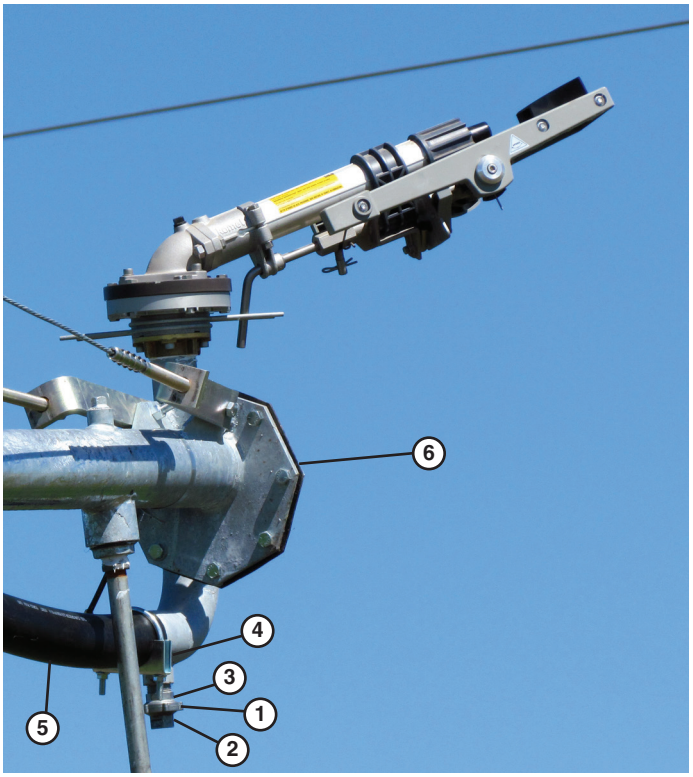
REPAIR PARTS KITS	
DESCRIPTION	PART #
TUBE FITTING	0232362
BLEED PLUG	0232440
DIAPHRAGM SEALS	0232494
INTERNAL PARTS	0232572

SERVICE TOOLS	
DESCRIPTION	PART #
PLASTIC GUIDE SHAFT TOOL	0232571
METAL GUIDE SHAFT TOOL	0232573

3/4" Aquamatic Valve - Normally Open w/Drain 0232483

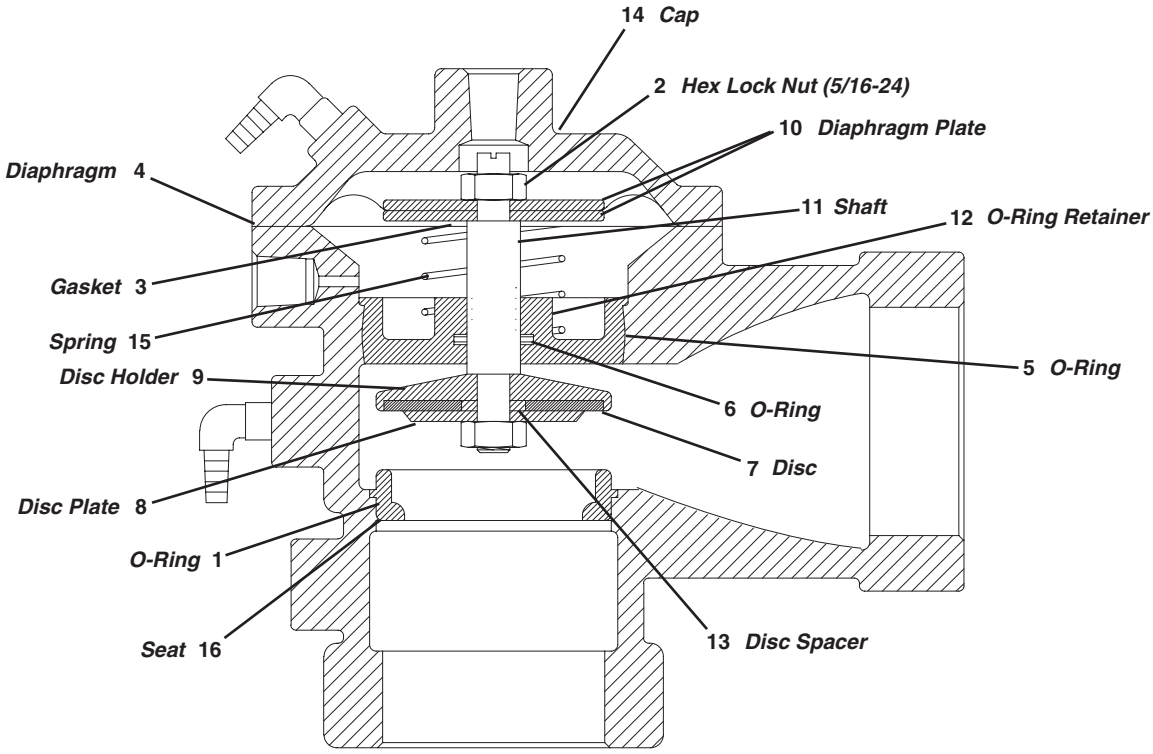
3/4" Aquamatic Plastic Internal Parts Repair Kit - DISCONTINUED Nov 2015 0232508

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ITEM	DESCRIPTION	PART#
1	Drain Seal	0232568
2	Lower Drain Body	0232004
3	Upper Drain Body - Metal	0232023
4	2-3/4" Muffler Clamp Assm.	0271059
5	2-1/2" I.D. x 28' Long Poly Pipe (3 ea.)	0992895
6	Overhang Endplate for End Gun & Booster Pump	9360136

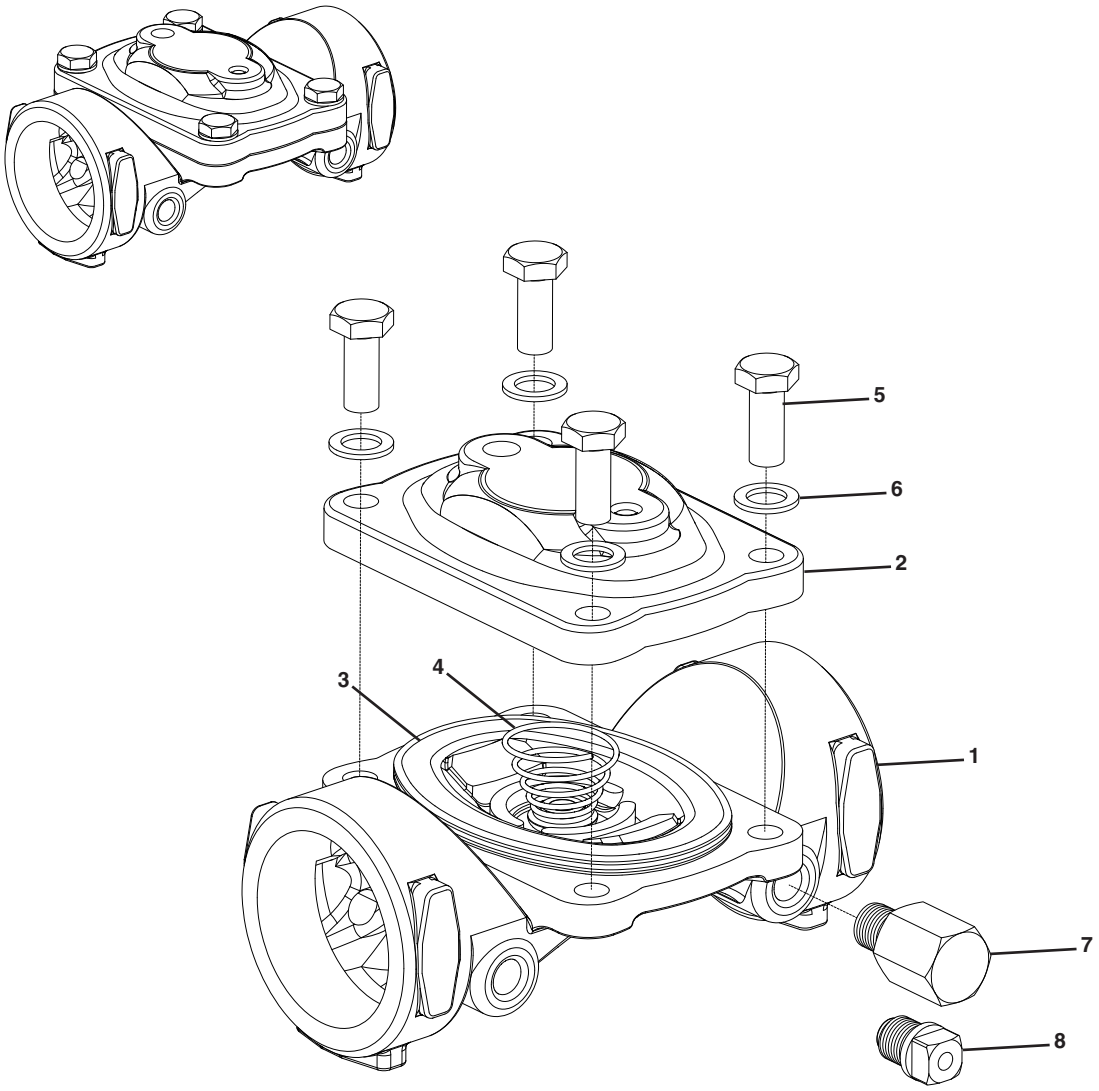
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DESCRIPTION	REFERENCE	VALMONT#
Diaphragm and Seals Kit Consists of Item nos. 1, 2, 3, 4, 5, 6 & 7	425-RA (Includes 425-FB)	0232488
Internal Parts Kit Normally Open Model Consists of Standard Item nos. 8, 9, 10, 11, 12 & 13	425-RF	0232489
14 - Top Cap	425-CJ	0232491
15 - Spring	495-SV	0232397
16 - Seat	425-MO	0232391

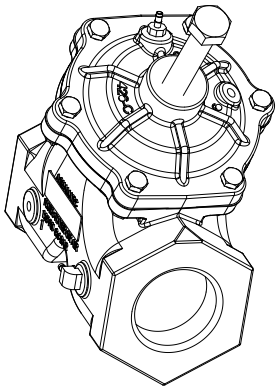
COMPLETE Valve..... 0232480

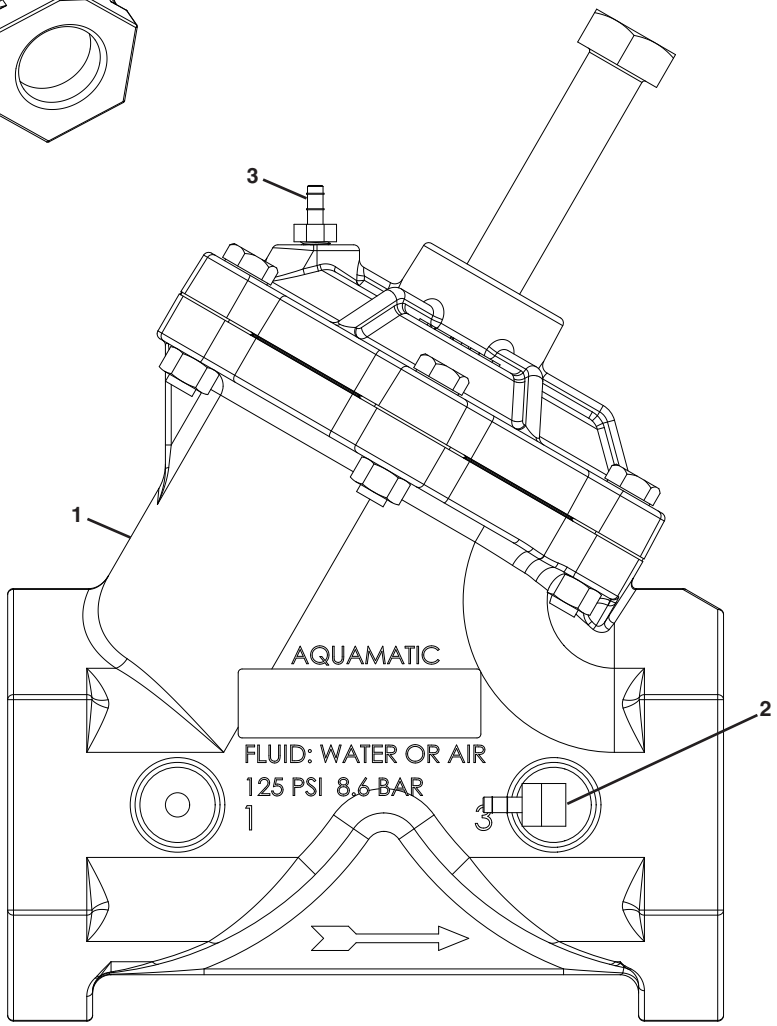
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ITEM	DESCRIPTION	PART #
1	Valve Body (svc part ONLY)	0232560
2	Valve Cover (svc part ONLY)	0232561
3	Valve Diaphragm (svc part ONLY)	0232562
4	Valve Spring (svc part ONLY)	0232563
5	Valve Cover Bolt (svc part ONLY)	0232564
6	Valve Cover Washer	0232565
7	Automatic Drain Valve	0232558*
8	Standard Drain Plug w/Hole	0232559*
	2" Komet End Gun Valve	0232557*
	* Komet 2" End Gun Valve Kit	KA09903

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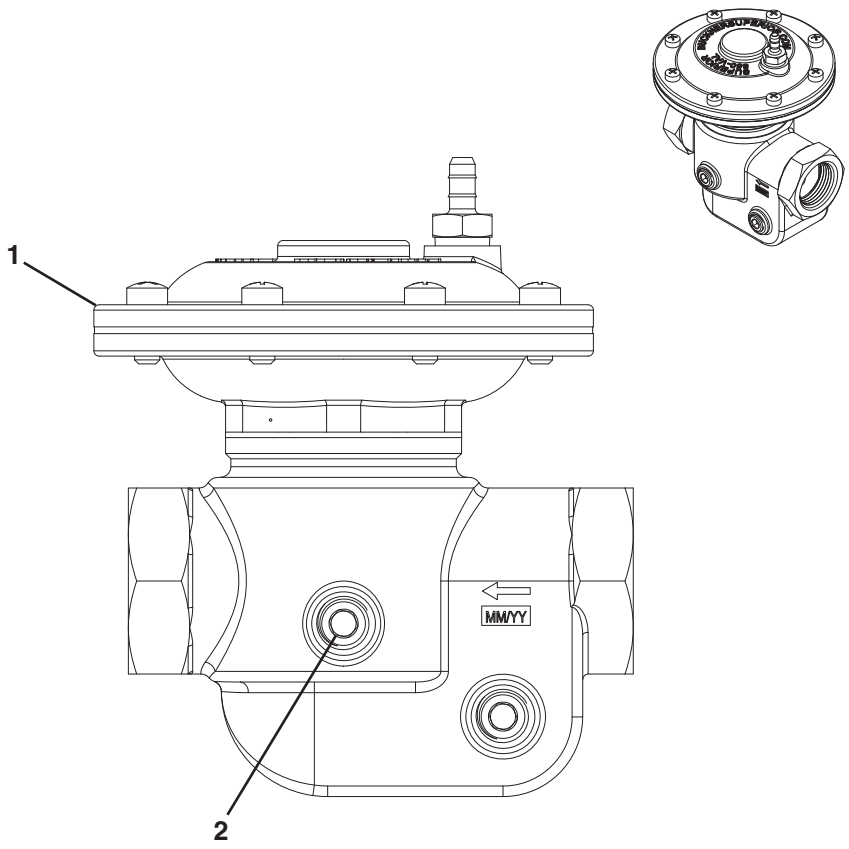




ITEM	DESCRIPTION	PART #
1	2-1/2" Diaphragm End Gun Valve	0232323
2	Elbow Fitting - Tube to Male Pipe	0232440 *
3	MFL Connector - Tube to Male Pipe	0232362 *
	Diaphragm & Seal Kit	0232297
	Internal Parts Kit	0232298

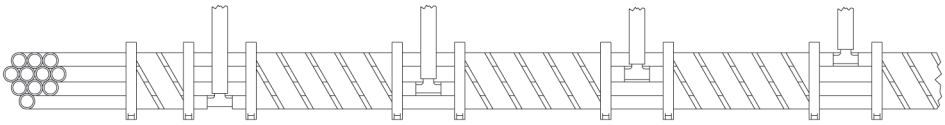
*** NOTE: Items included with End Gun Valve 0232323.**
Bleeder Plug (0232440) also included.

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ITEM	DESCRIPTION	PART #
1	3/4" Valve w/ Drain - Normally Open	0232580
2	Drain Plug	0232581

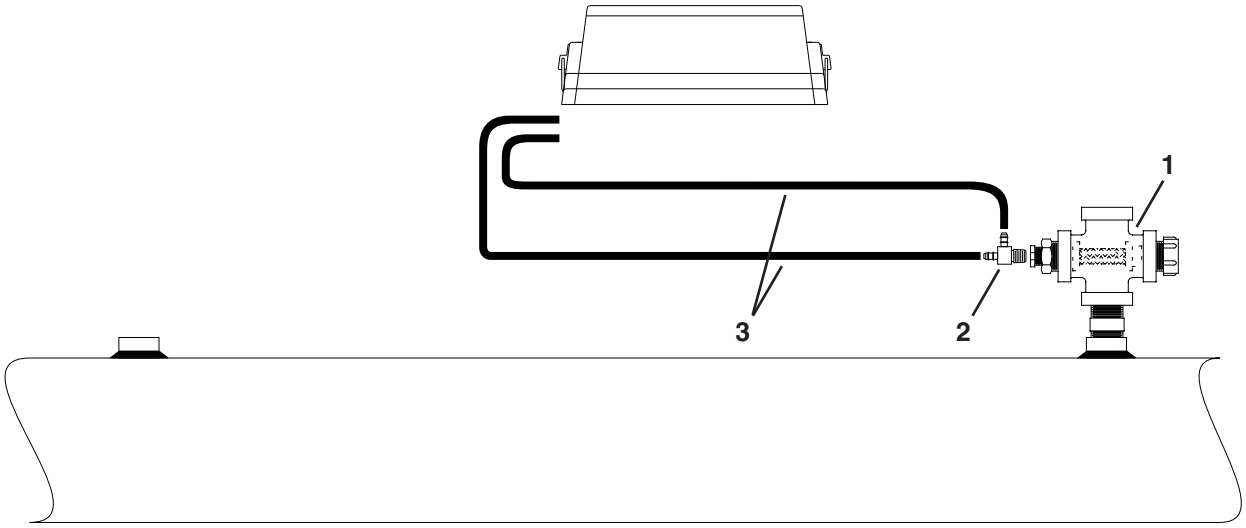
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DESCRIPTION	COLOR CODE	SPAN HARNESS PART #	COLOR CODE	OVERHANG HARNESS PART #
185'[56.38m] SPAN 82'[24.99m] OH	BLUE / GREEN	0270061	BLUE / PURPLE	0270062
205'[62.48m] SPAN 82'[24.99m] OH	GOLD / GREEN	0270063	GOLD / PURPLE	0270064
205'[62.48m] SPAN 100'[30.48m] OH	BROWN / ORANGE	0270067	BROWN / RED	0270068
218'[66.44m] SPAN 82'[24.99m] OH	BLUE/ORANGE	0270070	BLUE / RED	0270069

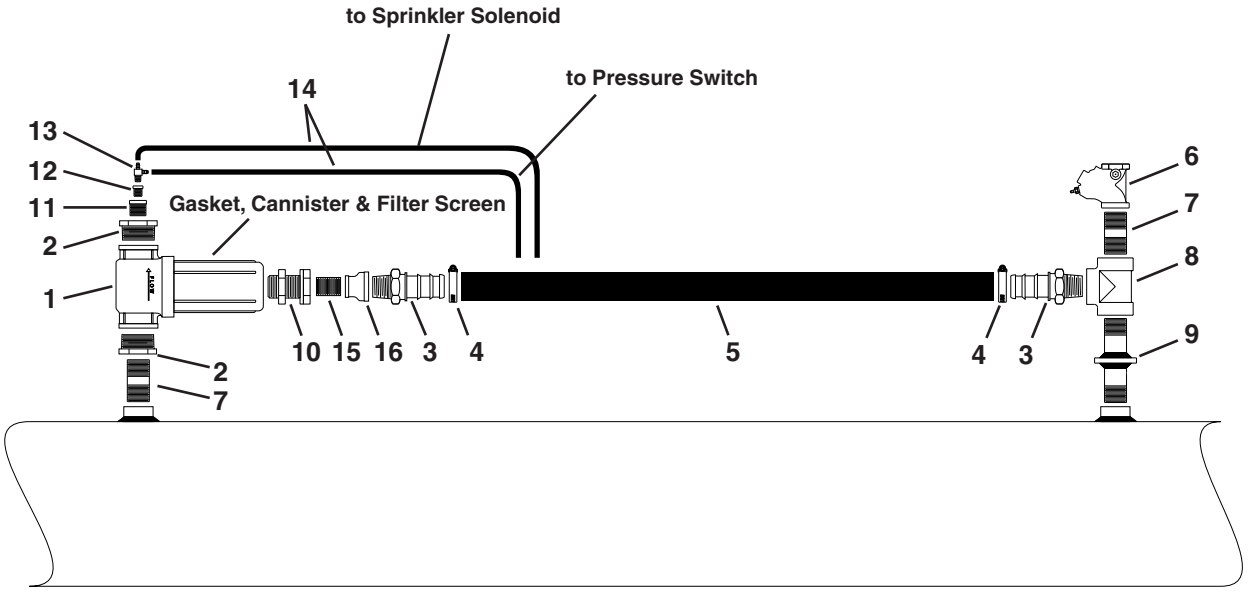
NOTE: Harness Protection Bracket (1750626) & Band (0271024) must be used when Harness crosses each Pipeline Flange.

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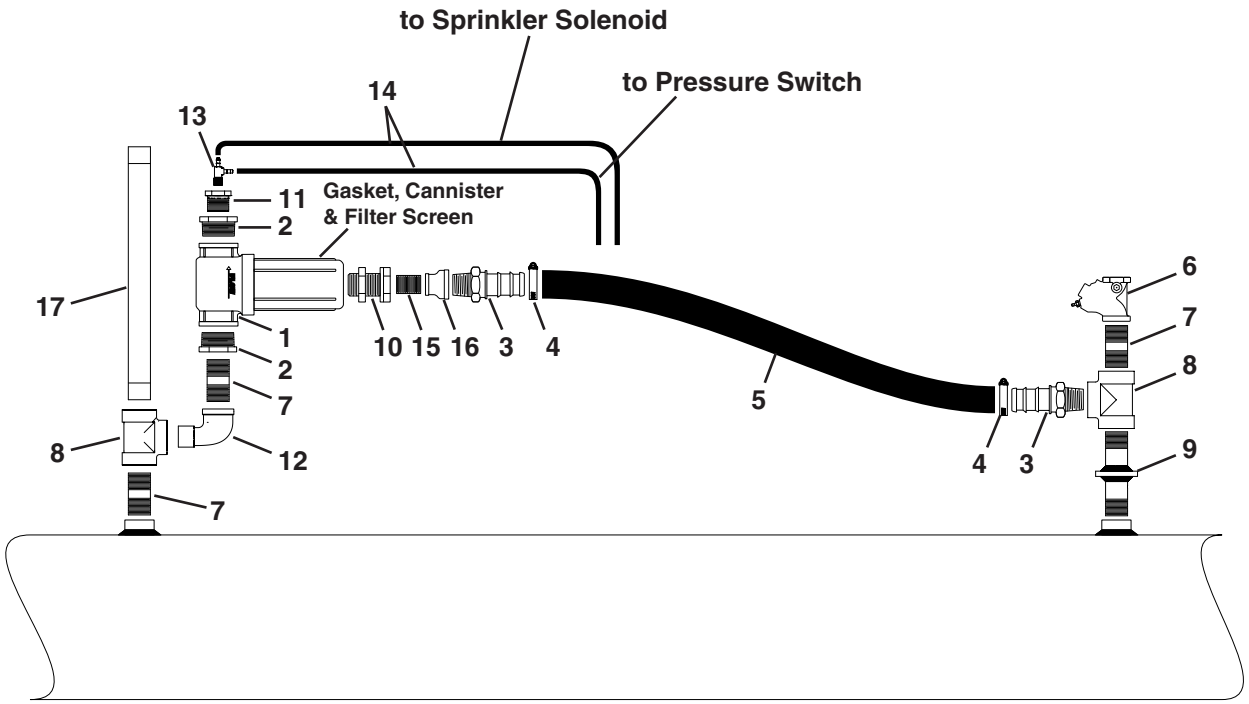
ITEM	DESCRIPTION	PART #
1	3/4" Filter Cross Assembly	9360897
	3/4" x 2" Nipple	0211014
	3/4" Cross	0242048
	1/4" x 1/8" Reducer	0244024
	3/4" x 1/4" Reducer	0244046
	3/4" Plastic Plug	0246193
	3/4" Filter Element	0311020
2	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
3	1/4" Tubing - 20'	1720561

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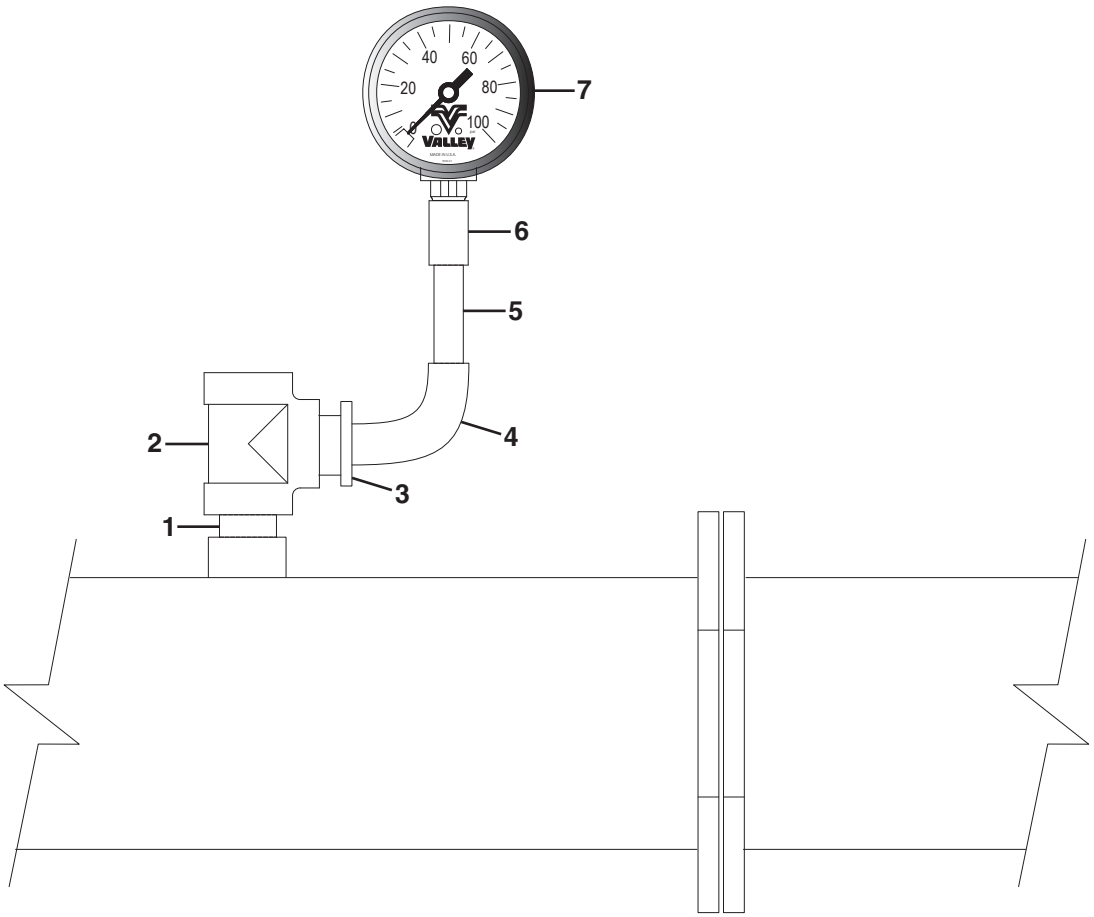
ITEM	DESCRIPTION	PART #
1	Filter Assembly	0311013
	Gasket (incl. w/ Filter Assm.)	0221026
	Cannister	0311015
	Filter Screen	0311014
2	1-1/2" x 3/4" Bushing - Steel	0244036
	1-1/2" x 3/4" Bushing - Plastic	0244044
3	1" Hose Insert	0271043
4	1" Hose Clamp	0271012
5	1" x 5' Hose	1750795
6	Control Valve	0232483
7	3/4" x 2" Nipple	0211014
8	3/4" Tee	0242002
9	3/4" Plugged Nipple	9361938
10	Bottom Fitting	1750640
11	3/4" x 1/4" Reducer - Steel	0244025
	3/4" x 1/4" Reducer - Plastic	0244046
12	1/4" x 1/8" Reducer - Steel	0244024
13	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
14	1/4" Tubing - 20'	1720561
15	1/2" x 1-1/8" Nipple	0211021
16	1/2" x 3/4" Bell Reducer	0243002
	Filter Package for 8000 & 800E VFlex Corner	KA09598

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ITEM	DESCRIPTION	PART #
1	Filter Assembly	0311013
	Gasket (incl. w/ Filter Assm.)	0221026
	Cannister	0311015
	Filter Screen	0311014
2	1-1/2" x 3/4" Bushing - Steel	0244036
3	1" Hose Insert	0271043
4	1" Hose Clamp	0271012
5	1" x 5' Hose	1751310
6	Control Valve	0232483
7	3/4" x 2" Nipple	0211014
8	3/4" Tee	0242002
9	3/4" Plugged Nipple	9361938
10	Bottom Fitting	1750640
11	3/4" x 1/8" Reducer - Steel	0244061
12	3/4" x 90° Elbow	0241012
13	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
14	1/4" Tubing - 20'	1720561
15	1/2" x 1-1/8" Close Nipple	0211021
16	1/2" x 3/4" Bell Reducer	0243002
17	3/4" x 12" Nipple	0211059
	Filter Package for 8120 VFlex Corner	KA01796

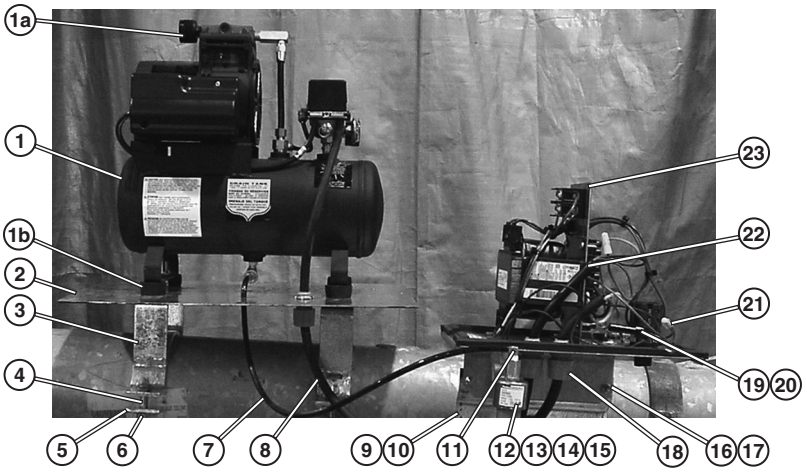
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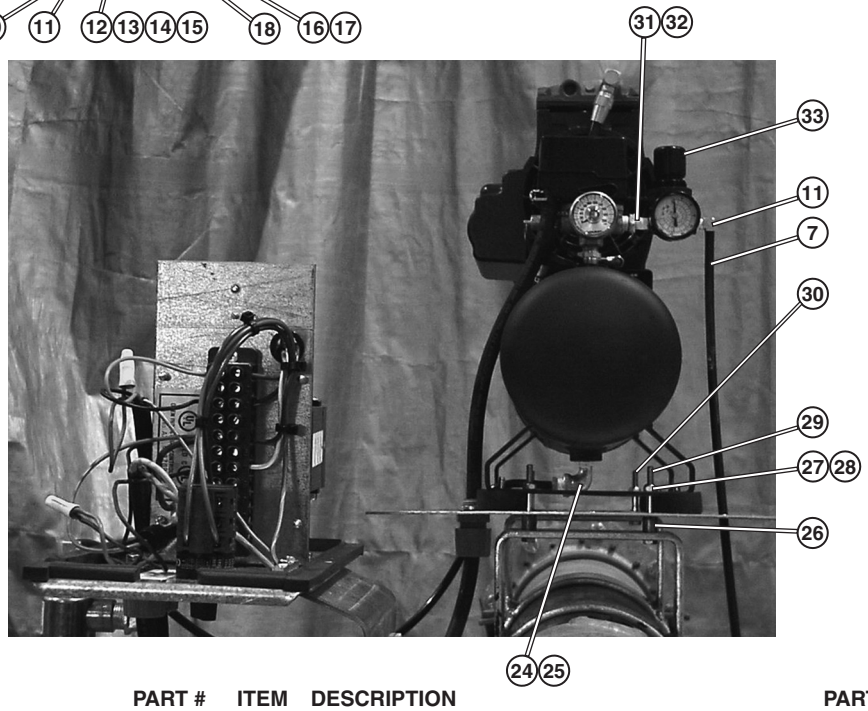


ITEM	DESCRIPTION	PART#
1	3/4" X 2" Nipple	0211014
2	3/4" Tee	0242002
3	3/4" x 1/4" Reducer Bushing	0244025 *
4	1/4" x 90° Street Elbow	0241032 *
5	1/4" x 3" Nipple	0211031 *
6	1/4" Coupler	0245008 *
7	Pressure Gauge - 0-100 PSI [0-6.89 bar]	0232501
	Pressure Gauge Plumbing Kit	KA09153

*** Parts included in Kit (KA09153).**

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NOTE: Install Oetiker Clamps (Item 41 - 0271115) on all Air Compressor connections and all connections from Tubing Harness to Solenoid Valve Box.

ITEM	DESCRIPTION	PART #
1	Air Compressor - 1/2 hp	0991624
1a	Filter	N/A
1b	Rubber Feet	N/A
2	Air Compressor Base Plate	1704045
3	Clamp Top Half - 6-5/8"	1704043
4	1/2" x 2-1/2" Cap Screw	0161023*
5	Clamp Bottom Half - 6-5/8"	1720290
6	1/2" Lock Nut	0133005*
7	1/4" Tube - 30' Long	1740101*
8	3 Cond. 14 Ga. Cable - 4' Long	9310863*
9	Half Clamp - 6-5/8"	1700622
10	Control Box Clamp - 6-5/8"	1703189
11	1/8" NPT x 1/4" Tube Elbow	0232361*
12	Solenoid	0232452*
13	1/2" Rigid Conduit Nipple	0244037*
14	Conduit Washer	0142075*
15	Conduit Bushing - 1/2"	0241057*
16	5/16" x 1" Cap Screw	0161052*
17	5/16" Lock Nut	0133007*
18	Strain Relief Hub	0314119*
19	In-Line Fuse Holder	03E2451*
20	1/2 Amp 250V Fuse	0315180*
21	Scotchlok Connector	0314151*
22	4 Cond. 14 Ga. Cable - 13' - 4"[406.4cm] Long	1811455*

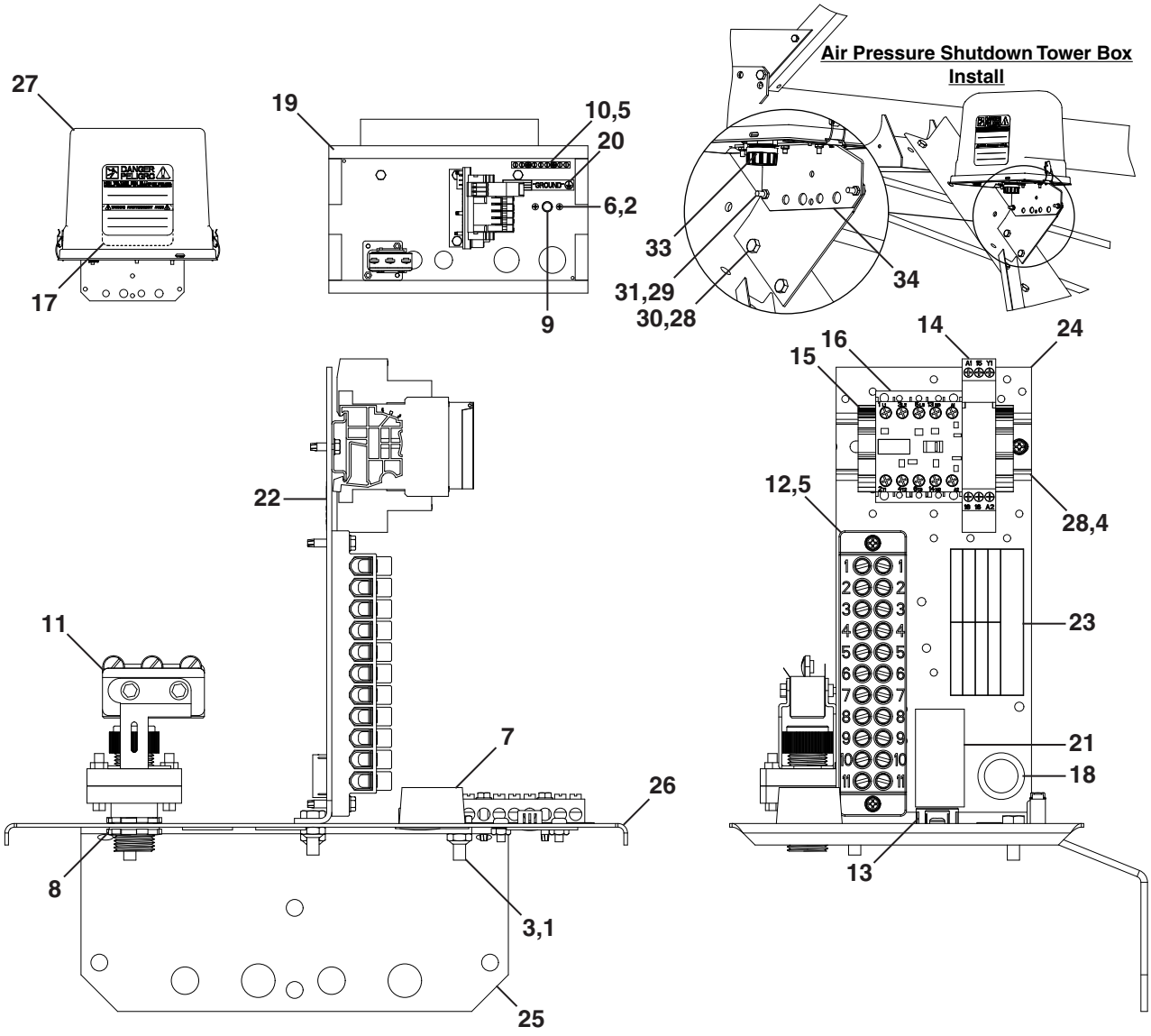
ITEM	DESCRIPTION	PART #
23	Transformer Tower Box Assm.	1704046
24	1/4" Street Elbow	0241032*
25	1/4" NPT x 1/4" Tube Fitting	0232366*
26	Bushing	1800207*
27	1/4" Lock Washer	0141009*
28	1/4" Hex Nut	0131020*
29	1/4" x 2-1/2" Cap Screw	0161054*
30	1/4" x 2" Cap Screw	0161055*
31	1/4" x 1/8" Reducer	0244024*
32	1/8" x 3/4" Nipple	0211037*
33	Miniature Air Regulator	0996662*
34	1/4" Tube Tee (NOT SHOWN)	0270002*
35	Air Compressor Cover (NOT SHOWN)	1260006
36	1/4" x 3/4" Cap Screw (NOT SHOWN)	0161057*
37	Tower Box Cover UL (NOT SHOWN)	9311146
38	Clamp Spacer - 6" (NOT SHOWN)	1701025
39	Wire Tye (NOT SHOWN)	0314225*
40	Field Install Air Compressor Sprinkler Control	1704047
41	Crimp Clamp - Oetiker (see Note above)	0271115*

*Air Compressor Hardware Kit KA01337

COMPLETE Air Compressor Spk. Cntrl. Pkg. - 6-5/8" Pipe. 0000F49

COMPLETE Air Compressor Spk. Cntrl. Pkg. - 6" Pipe 0000F50

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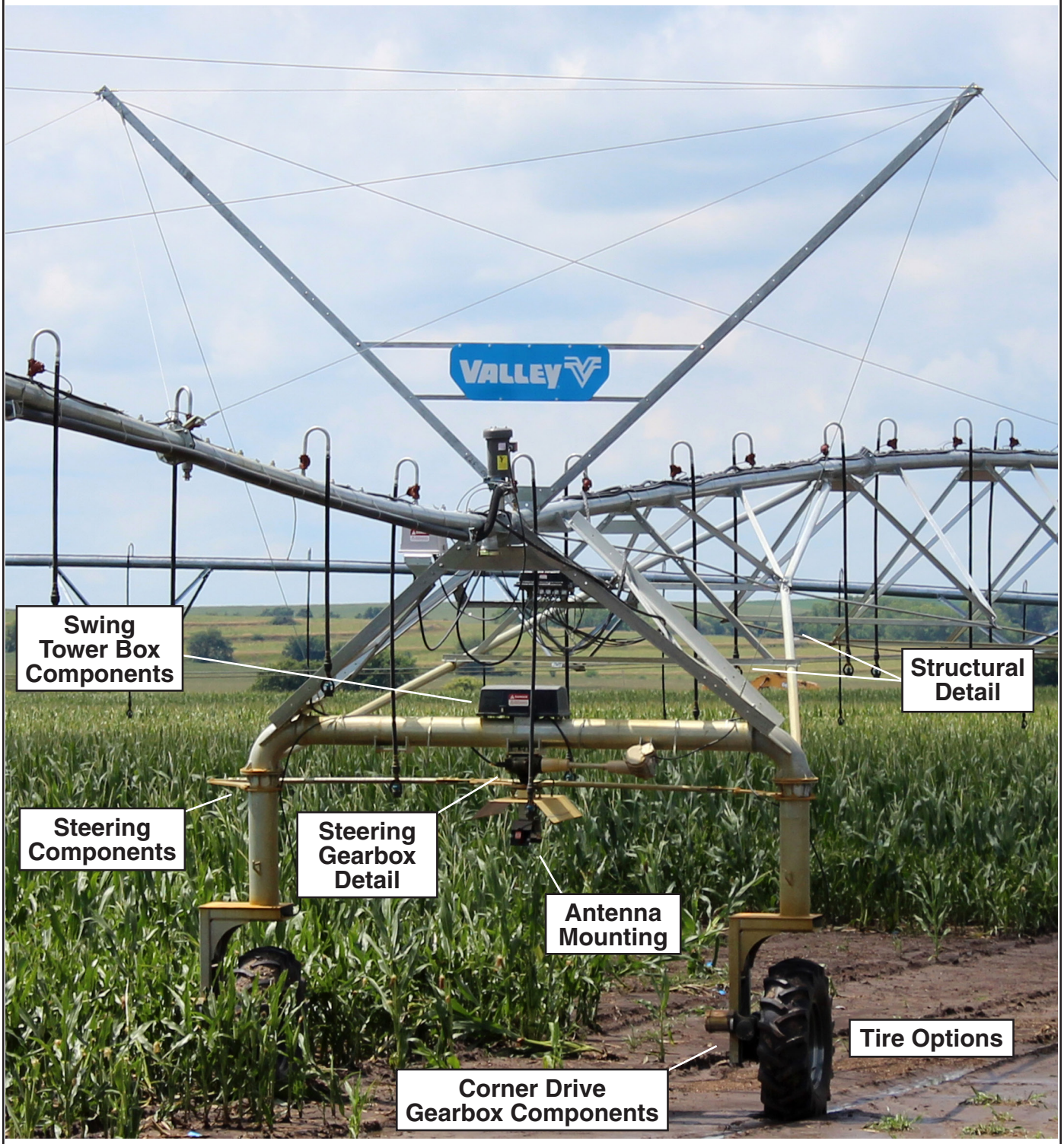


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	1/4" x 3/4" Cap Screw	0161057
4	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#8 x 3/8" Round Head Screw - Phillips Head	0164193
7	15X Caplug	0261010
8	1/2" Romax Nut	0314160
9	Snap Button Hole Plug - 1/2" Dia. Hole	0314749
10	Ground Lug - 7 Terminal	0315120
11	Pressure Switch - High Range	03E1606
12	Terminal Block - D-11	03E1899
13	Snap Button Hole Plug - .875" Dia. Hole	03E2166
14	Timer Relay - 24 to 230 VAC/24VDC	03E2242
15	Din Rail End Stop	03E2996
16	Contactor - 20 Amp 3-Pole 480V Coil	03E3536
17	Tower Box Schematic	0980343
18	Snap Bushing	0992070
19	Gasket Kit	0992071
20	Decal - Ground	0992925

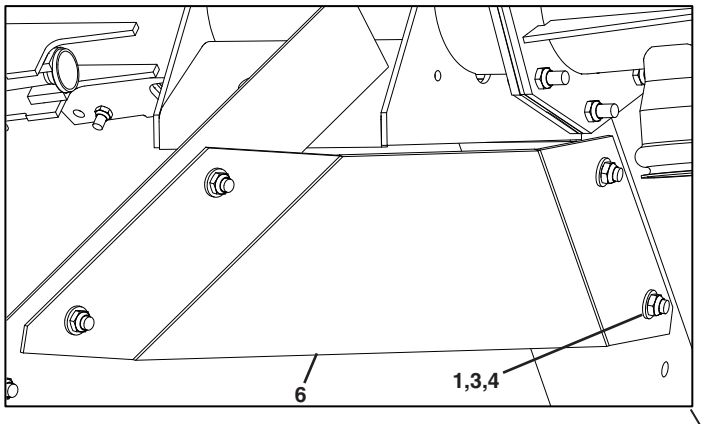
ITEM	DESCRIPTION	PART #
21	Decal - UL Power Supply - 1.5 H.P. 10 Amps	0994149
22	Decal - 3R Enclosure	0996403
23	Decal - Terminal Block Torque Copper Wire	0998450
24	Vertical Component Bracket	1702053
25	Tower Box Mounting Plate	1702054
26	Bottom Plate	1702216
27	Tower Box Cover - UL	9311146
28	Din Rail Mount Channel - 4.00" Long	9312401
29	1/2" Lock Nut	0133005*
30	5/16" Lock Nut	0133007*
31	1/2" x 1" Cap Screw	0161028*
32	5/16" x 1" Cap Screw	0161052*
33	Scotchlok Connector (not shown)	0314151*
34	Strain Relief Hub - 1" Hub	0314466*
35	VFlex Tower Box Mounting Bracket	1751224*
36	Electrical Cable - 12 Cond. 12 Ga. 12ft. (not shown)	9311734*
	Corner Air Pressure Shutdown Tower Box Assm	1815451
	* Air Pressure Shutdown Tower Box Mounting Kit	KA02706

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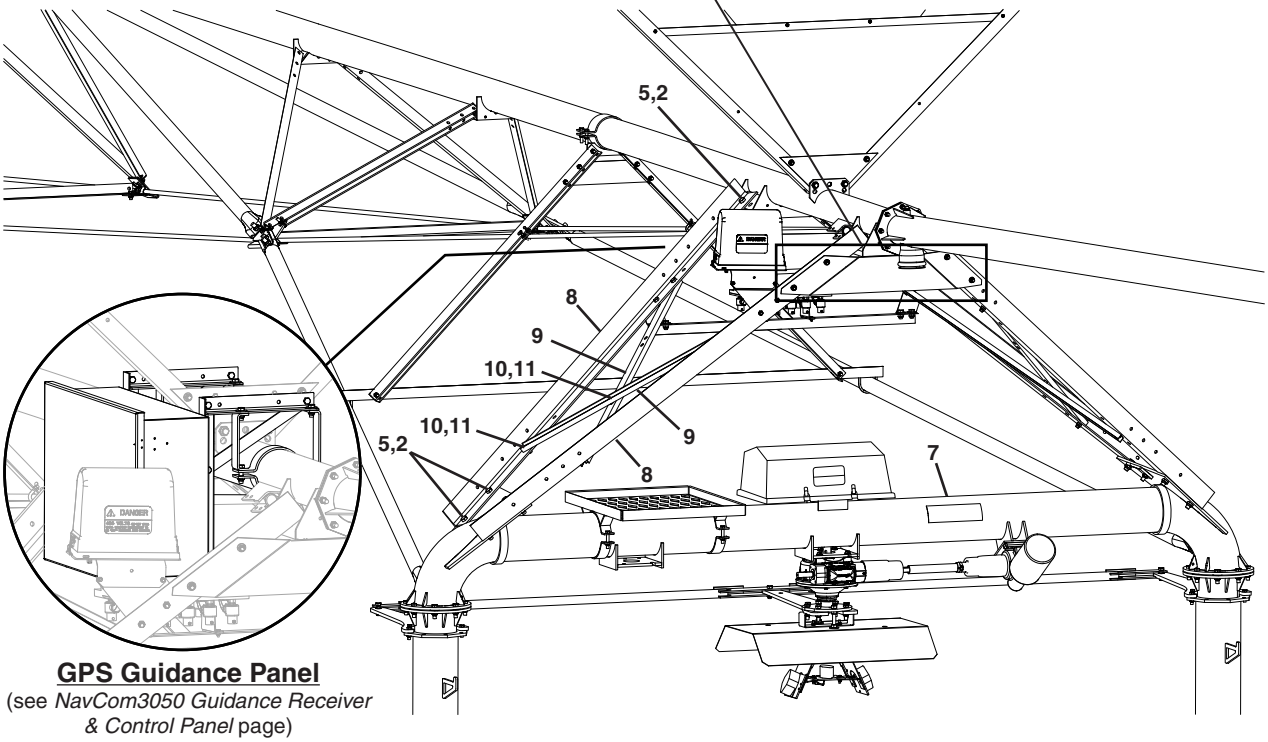
Steerable Drive Unit and Pivot Components



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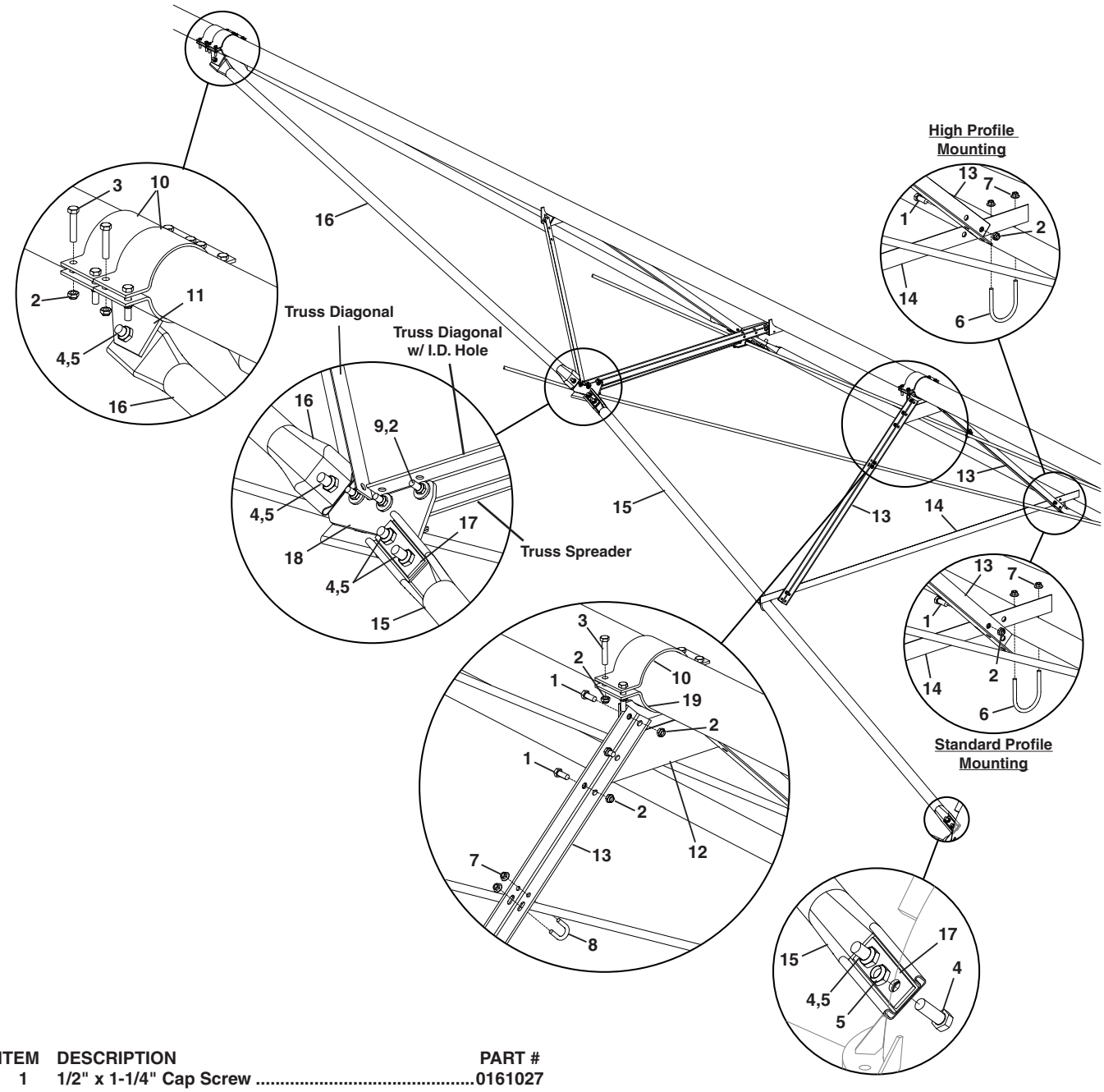




GPS Guidance Panel
(see *NavCom3050 Guidance Receiver & Control Panel* page)

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	3/4" Lock Nut	0133011
3	1/2" Flat Washer	0142025
4	1/2" x 1-1/4" Cap Screw	0161027
5	3/4" x 1-3/4" Cap Screw	0161139
6	SDU Trapezoid Plate	1751162
7	SDU Basebeam - 8-5/8"	1751190
	SDU Basebeam - 10" High Profile	1751298
8	SDU Support Angle	1751168
9	SDU Reinforcing Channel	1751214
10	5/8" x 1-1/4" Cap Screw	0161379
11	5/8" Lock Nut	0133010

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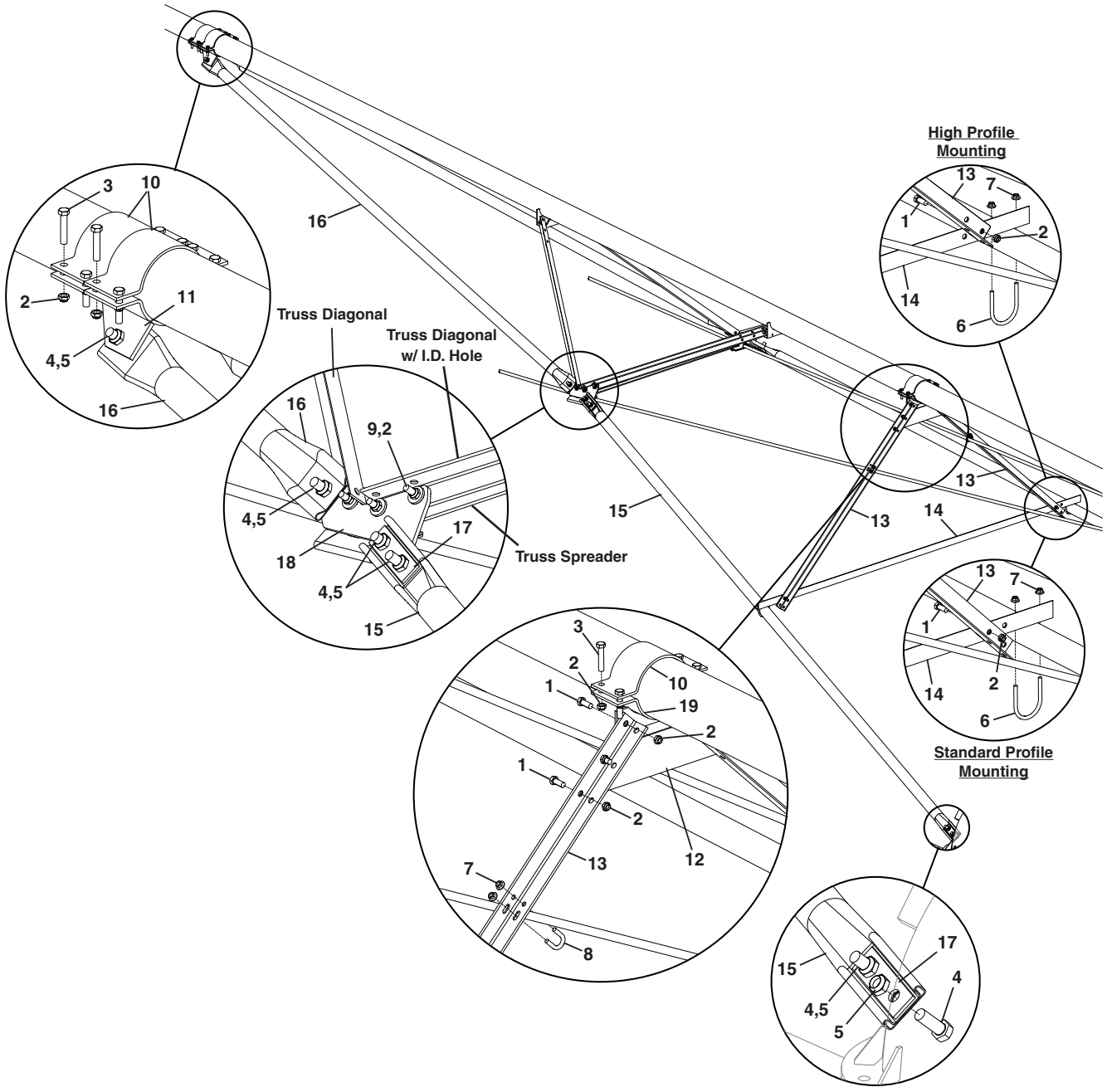


ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
4	3/4" x 2" Cap Screw	0161008
5	3/4" Lock Nut	0133011
6	3/8" x 4" x 3" U-Bolt	0175005
7	3/8" Flange Nut	0134055
8	3/8" x 15/16" x 1-3/4" U-Bolt	0176035
9	1/2" x 2" Cap Screw	0161024
10	6" Half Clamp - 4-Hole (Model 8000 Galvanized)	1751155
	6-5/8" Half Clamp - 4-Hole (Model 800E & 8000 PolySpan)	1700622
11	6" Half Clamp w/Ears Assm. (Model 8000)	1751156
	6-5/8" Half Clamp w/Ears Assm. (Model 800E & 8000 PolySpan)	1781207

ITEM	DESCRIPTION	PART #
12	Tower Support Trapezoid Plate	1751161
13	Tower Support Brace, 5'-7.56"[171.6cm] Long	1751308
14	Tower Support Spreader, 9'-4.70"[286.3cm] Long	1751309
15	Corner Tower Support - 19'-3.98"[589.2cm] Long	1751165
16	Tower Support - Red - 15'-11.87"[487.4cm] Long	9360722
17	Reinforcement Pad	9332015
18	Tower Support Bracket Assm	1751153
19	6" Tower Support Hanger Assm. (Model 8000)	1751158
	6-5/8" Tower Support Hanger Assm. (Model 800E & 8000 PolySpan)	9360177

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

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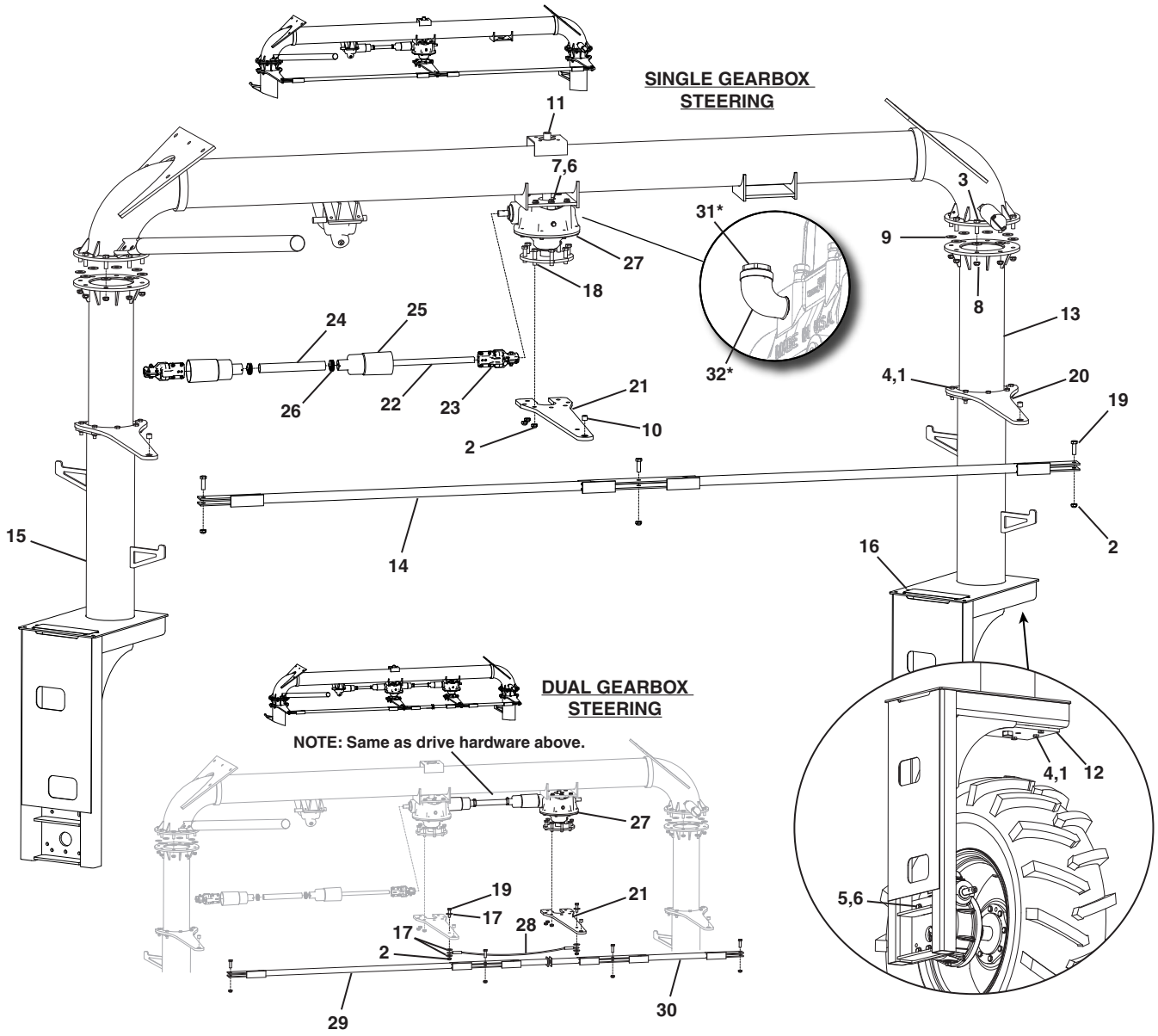


ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
4	3/4" x 2" Cap Screw	0161008
5	3/4" Lock Nut	0133011
6	3/8" x 4" x 3" U-Bolt	0175005
7	3/8" Flange Nut	0134055
8	3/8" x 15/16" x 1-3/4" U-Bolt	0176035
9	1/2" x 2" Cap Screw	0161024
10	6-5/8" Half Clamp - 4-Hole	1700622
11	6-5/8" Half Clamp w/Ears Assm.	1781207
12	Tower Support Trapezoid Plate	1751161
13	Tower Support Brace, 6'-0.69"[184.6cm] Long	1751307
14	Tower Support Spreader, 10'-0.00"[304.8cm] Long	1751306
15	Corner Tower Support - 20'-5.68"[624.0cm] Long	1751227
16	Tower Support - Red - 15'-11.87"[487.4cm] Long	9360722
17	Reinforcement Pad	9332015
18	Tower Support Bracket Assm.	1751153
19	6-5/8" Tower Support Hanger Assm.	9360177

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

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Functional Area	Assembly / Part	Rev# 11-18
Structural Detail	Standard Profile Drive Unit	

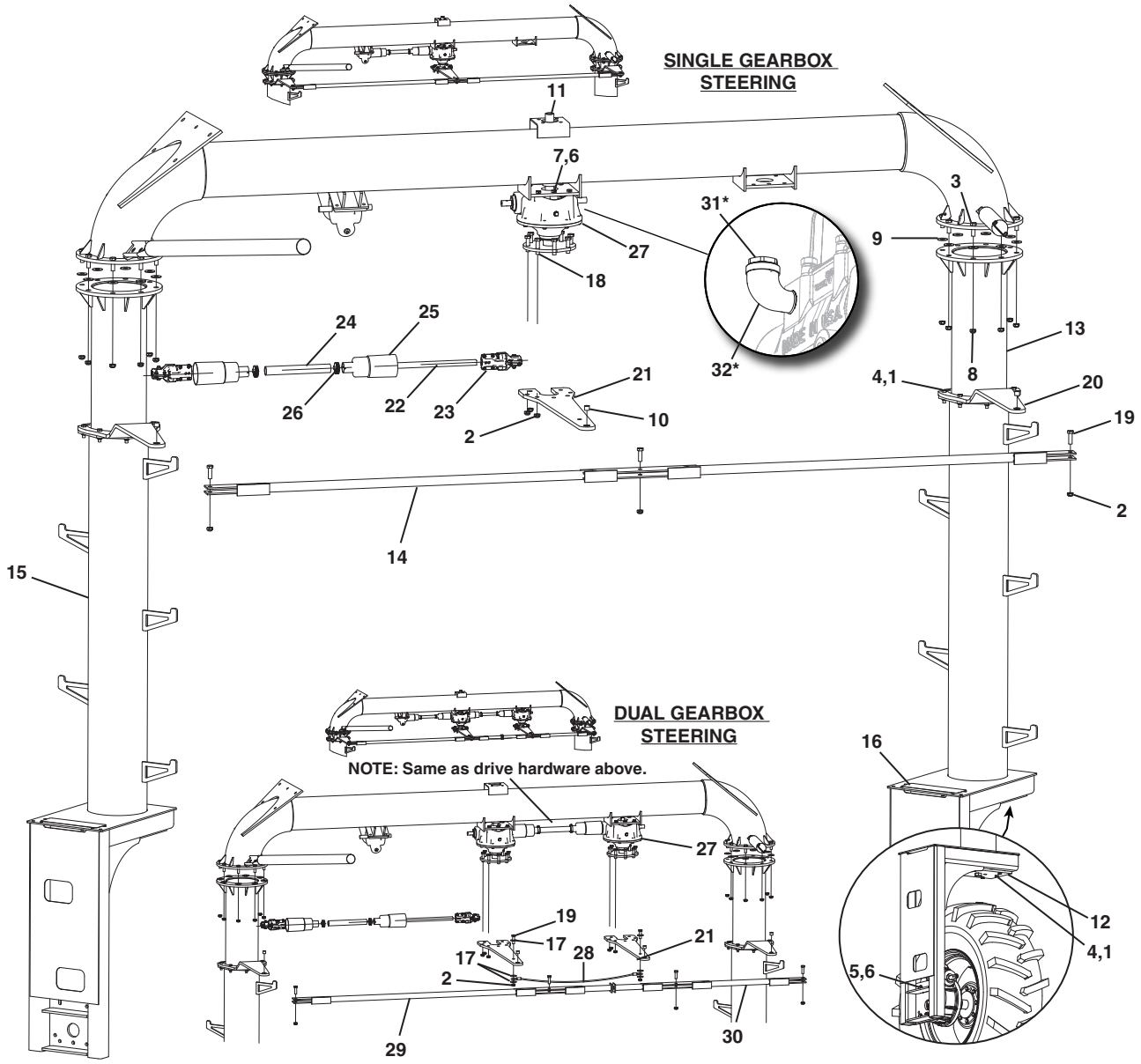


ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/8" Lock Nut	0133010
3	3/4" x 2-1/2" Cap Screw	0161159
4	1/2" x 2" Cap Screw	0161024
5	1/2" x 1-1/4" PLT Cap Screw	0161027
6	1/2" Flat Washer	0142025
7	1/2" x 1-1/4" 13UNC Cap Screw	0164171
8	3/4" Lock Nut	0133011
9	3/4" Flat Washer	0142027
10	Trojan Bar Inner Bushing	0192025
11	Corner Steering Shaft - 8-5/8" Basebeam	1751195
12	Vertical Leg Ball Mount Assm.	9360546
13	Corner Vertical Leg	1751194
14	Corner Steering Tie Rod Assm.	9360569
15	Corner Offset Leg	1751146
16	Decal - Pinch Point & Overhead Obstruction	0996083
17	5/8" Flat Washer	0142011
18	5/8" x 2-1/2" Cap Screw	0161011
19	5/8" x 2-1/4" Cap Screw	0161012

ITEM	DESCRIPTION	PART #
20	Tie Rod Control Arm Assm.	9360767
	Trojan Bar Outer Bushing (incl. w/ 9360767)	1915197
21	Corner Steering Arm - Flange Gearbox	1751040
	Trojan Bar Outer Bushing (incl. w/ 1751040)	1915197
22	Drive Shaft	1751163
23	Flex Joint - Heavy Duty - Non-Tow	KA01300
24	Drive Shaft Shield	0998340
25	U-Joint Shield	1751221
26	Clamp - 1-1/6" to 2"	0271013
27	Corner Steering Gearbox - Dual Input	1751201
	- Dual Input (Heavy Duty)	1751200
28	Steering Cable (Dual Steering)	0998341
29	Steering Tie Rod Assm. - Long (Dual Steering)	1751151
30	Steering Tie Rod Assm. - Short (Dual Steering)	1751150
31	Breather Vent - 1/2" NPT (Plastic)	0980292 *
32	1/2" NPT x 90° Elbow Fitting (Galvanized)	0241056 *

* Gearbox Breather Vent Kit KA02671
(for all Steering Gearboxes)

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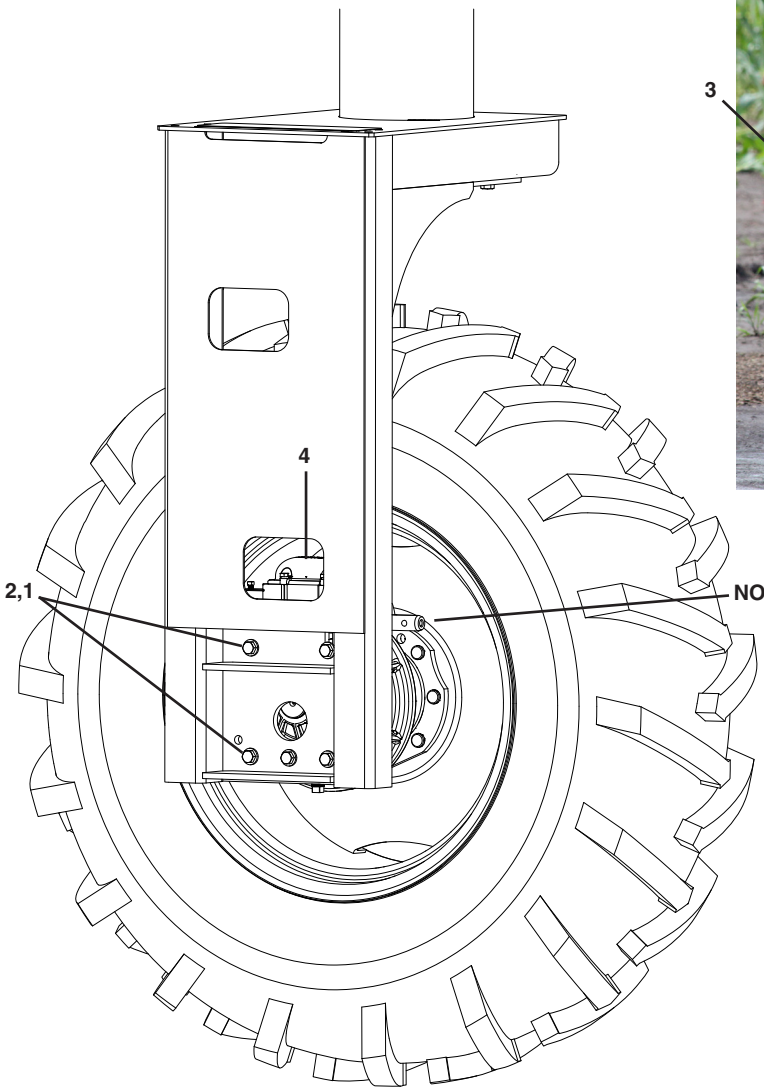


ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/8" Lock Nut	0133010
3	3/4" x 2-1/2" Cap Screw	0161159
4	1/2" x 2" Cap Screw	0161024
5	1/2" x 1-1/4" PLT Cap Screw	0161027
6	1/2" Flat Washer	0142025
7	1/2" x 1-1/4" 13UNC Cap Screw	0164171
8	3/4" Lock Nut	0133011
9	3/4" Flat Washer	0142027
10	Trojan Bar Inner Bushing	0192025
11	Corner Steering Shaft - 10" Basebeam	1751303
12	Vertical Leg Ball Mount Assm.	1751295
13	Corner Vertical Leg	1751209
14	Corner Steering Tie Rod Assm.	9360569
15	Corner Offset Leg	1751211
16	Decal - Pinch Point & Overhead Obstruction	0996083
17	5/8" Flat Washer	0142011
18	5/8" x 2-1/2" Cap Screw	0161011
19	5/8" x 2-1/4" Cap Screw	0161012

ITEM	DESCRIPTION	PART #
20	Tie Rod Control Arm Assm.	9361348
	Trojan Bar Outer Bushing (incl. w/ 9360767)	1915197
21	Corner Steering Arm - Flange Gearbox	1751040
	Trojan Bar Outer Bushing (incl. w/ 1751040)	1915197
22	Drive Shaft	1751163
23	Flex Joint - Heavy Duty - Non-Tow	KA01300
24	Drive Shaft Shield	0998340
25	U-Joint Shield	1751221
26	Clamp - 1-1/6" to 2"	0271013
27	Corner Steering Gearbox - Dual Input	1751201
	- Dual Input (Heavy Duty)	1751200
28	Steering Cable (Dual Steering)	0998341
29	Steering Tie Rod Assm. - Long (Dual Steering)	1751151
30	Steering Tie Rod Assm. - Short (Dual Steering)	1751150
31	Breather Vent - 1/2" NPT (Plastic)	0980292 *
32	1/2" NPT x 90° Elbow Fitting (Galvanized)	0241056 *
	* Gearbox Breather Vent Kit (for all Steering Gearboxes)	KA02671

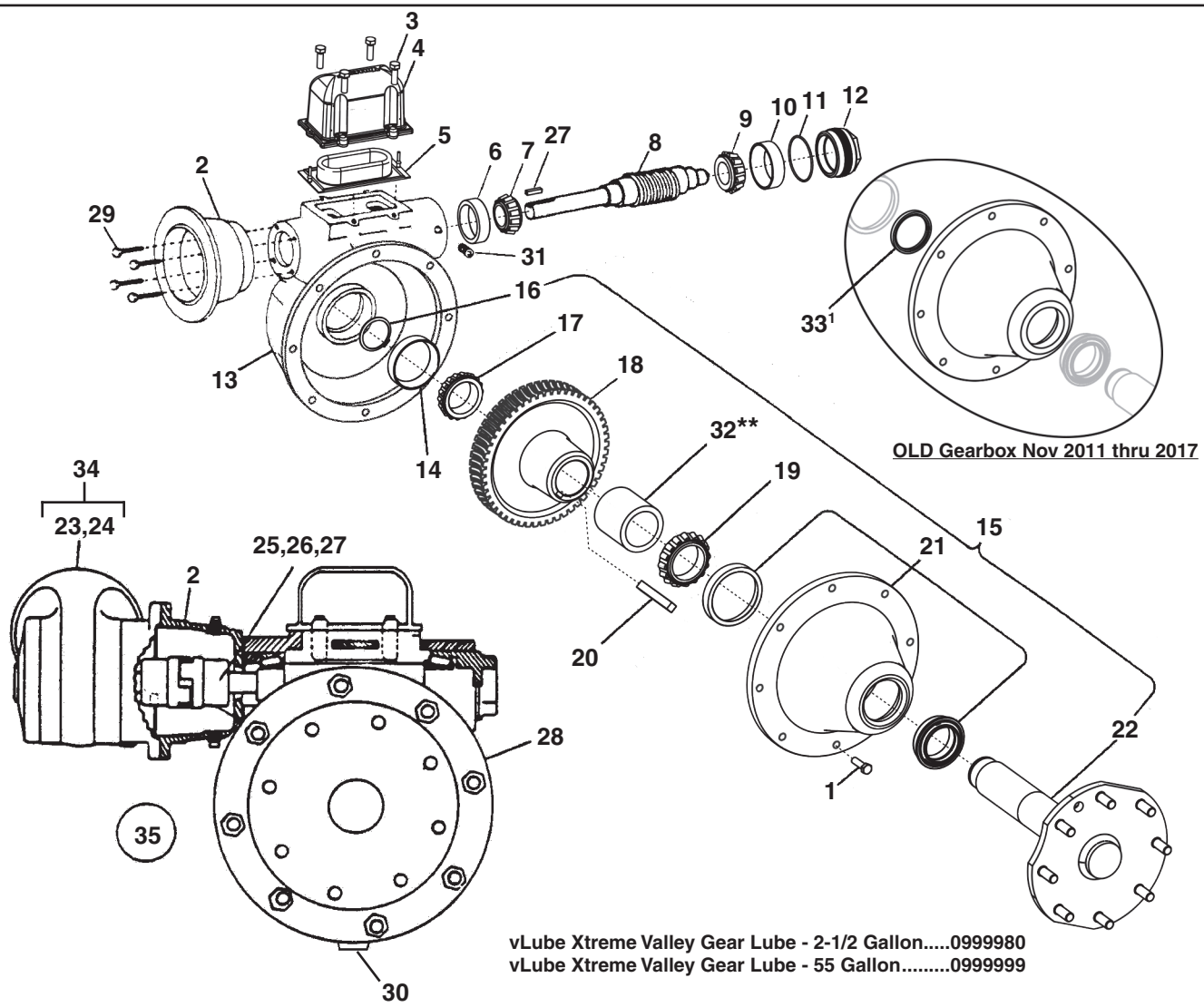
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ITEM	DESCRIPTION	PART#
1	1/2" Flat Washer	0142025
2	1/2" x 1-1/4" Cap Screw	0161027
3	56 RPM - 1 HP Gearmotor - Standard Speed	03E2041
	100 RPM - 1.5 HP Gearmotor - High Speed	03E2042
4	Corner Wheel Gearbox	1701622
	COMPLETE Gearbox w/Gearmotor - 56 RPM - 1 HP (includes Items 3 & 4)	1702227
	COMPLETE Gearbox w/Gearmotor - 100 RPM - 1.5 HP (includes Items 3 & 4)	1702228

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OLD Gearbox Nov 2011 thru 2017

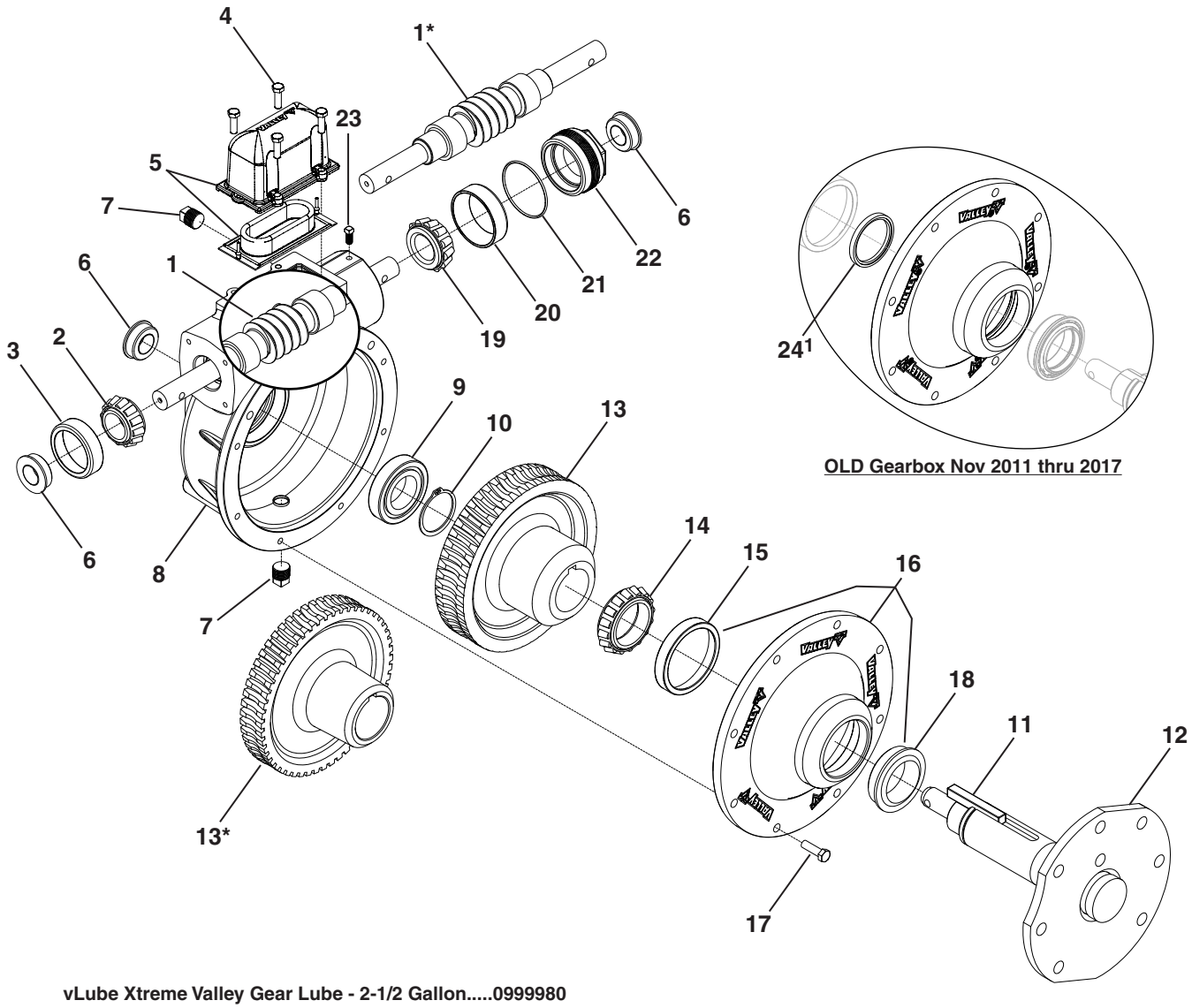
vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

ITEM	DESCRIPTION	PART#
1	3/8" x 1-1/4" Cap Screw	0161153
2	Bell Housing	1701617
3	5/16" x 1" Cap Screw	0161052
4	Expansion Cap	1701326
5	Diaphragm	0991230
6	Cup	0191024
7	Cone	0191023
8	Worm Gear	1701618
9	Cone	0191029
10	Cup	0191030
11	O-Ring Seal	0256029
12	End Cap	1781713
13	Gearcase Housing	1701621
14	Cup	0191026
15	Wheel Worm & Axle Assm. (includes items (16,17,18,19,20,21,22,23,34)	1702225
16	Corner Gearbox Snap Ring	0257019
17	Cone	0191025
18	Wheel Worm	1701423
19	Cone	0191027
20	Key	1700853
21	Neck & Seal Assm. (3" Extended)	1704005 *

ITEM	DESCRIPTION	PART#
22	Axle Assm.	1703241
23	56 RPM - 1 HP Motor Module	03E2047
	100 RPM - 1.5 HP Motor Module	03E2048
24	56 RPM - Gearbox 31:1 (Service)	0314927
	100 RPM Gearbox 17.6:1 (Service)	0314924
25	3 Jaw Coupler (2 req'd)	0991304
26	Bronze Spider	0991377
27	Key	1701619
28	Non-Tow Gearbox - Corner (Includes #2)	1701622
29	3/8" x 1-3/4" Cap Screw	0161041
30	1/2" NPT Plug	0246094
31	5/16-18 x 5/8" Set Screw	0164069
32	Spacer	1704007 **
33	Spacer (for Output Seal)	0980414 [1]
34	56 RPM - 1 HP Gearmotor	03E2041
	100 RPM - 1.5 HP Gearmotor	03E2042
35	56 RPM - 1 HP Corner Gearbox w/Gearmotor	1702227
	100 RPM - 1.5 HP Corner Gearbox w/Gearmotor	1702228

* NOTE: Item 21 includes Cup & Seal.
** NOTE: Spacer (Item 32) required w/Neck (Item 21)
[1] NOTE: Rebuild ONLY for gearboxes pre-2018 - post Nov 2011.

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OLD Gearbox Nov 2011 thru 2017

vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

ITEM	DESCRIPTION	PART #
1	Worm - Dual Input (Standard Duty)	1702360
	- Dual Input (Heavy Duty)	9361661*
2	Bearing Cone	0191023
3	Bearing Cup	0191024
4	5/16" x 1" Cap Screw	0161052
5	Expansion Cap	1701326
6	Seal	0258023
7	1/2" Plug	0246094
8	Housing w/worm Cup	1751199
9	Bearing	0191046
10	Retaining Ring	0257017
11	Key	1700853
12	Output Shaft	9362098
13	Worm Gear - (Standard Duty)	1750850
	- Bronzed (Heavy Duty)	1750952*
14	Cone	0191027
15	Cup	0191028
16	Neck & Seal Assm.	1701402
17	3/8" x 1-1/4" Cap Screw	0161153
18	Output Shaft Seal	0258028
19	Bearing Cone	0191029
20	Bearing Cup	0191030
21	O-Ring Seal	0256029
22	End Cap - Input	1781714
23	5/16" x 5/8" Set Screw	0164069
24	Spacer (for Output Seal)	0980414[1]

Corner Steering Gearbox Assm. - Dual Input (Std. Duty) ..1751201
Corner Steering Gearbox Assm. - Dual Input (Heavy Duty) 1751200

[1]NOTE: Item 24 rebuild only for gearboxes pre-2018-post Nov 2011.
NOTE: Item 5 Expansion Cap includes Diaphragm...0991230.

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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 A	TITAN	1701103	1701104	-	1702348	0991256	18*	0.5[1]	0991282
A	FIRESTONE	1704026	1704027	-	1702348	0996552	18*	0.5[1]	0991282
Hi-Float w/Tube 14.9 x 24 A	TITAN	1703788	1703787	0991175	1702348	0991256	18*	0.5[1]	-
A	FIRESTONE	1704028	1704029	0991175	1702348	0996552	18*	0.5[1]	-
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 Turf Tubeless 14.9 x 24		9363130	9363130	-	1702348	0997324	18*	0.5[1]	0992182
Tubeless 11.2 x 38 B	TITAN	1703715	1703714	-	1703723	0994214	23	1.72	0991282
B	FIRESTONE	1703851	1703850	-	1703723	0996658	23	1.72	0991282
w/ Tube 11.2 x 38 B	TITAN	1703743	1703744	0994215	1703723	0994214	23	1.72	-
B	FIRESTONE	1703852	1703853	0994215	1703723	0996658	23	1.72	-
6-Ply Tubeless 11.2 x 38	FIRESTONE	9364493	9364494	-	1703723	0999117	34	1.72	0991282
6-Ply w/Tube 11.2 x 38	FIRESTONE	9364491	9364492	0994215	1703723	0999117	34	1.72	-
6-Ply Tubeless 11.2 x 38	TITAN	9363153	9363154	-	1703723	0997337	34**	1.72	0991282
6-Ply w/Tube 11.2 x 38	TITAN	9363155	9363156	0994215	1703723	0997337	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	0992182
6-Ply w/Tube 18.4 x 26	FIRESTONE	1704136	1704137	0991566	1704018	0991531	16	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	-
Radial Retread w/Tube 11R x 24.5		1702251	1702250	0991290	1702354	1702249	30	2.0	-
* Valley Revolution 15 x 47 *	SOLIDEAL	0999431	0999431	-	-	-	-	-	-

*** Pressure may be reduced to 16psi for flotation.**

NOTE: Tire brands may NOT be mixed on a drive unit.

[1] **Effective Nov. 2005**

A A: Cannot be used on High Profile Machines. Also cannot be used on 218' Corner.

B B: Cannot be used on 205' or 218' Corners.

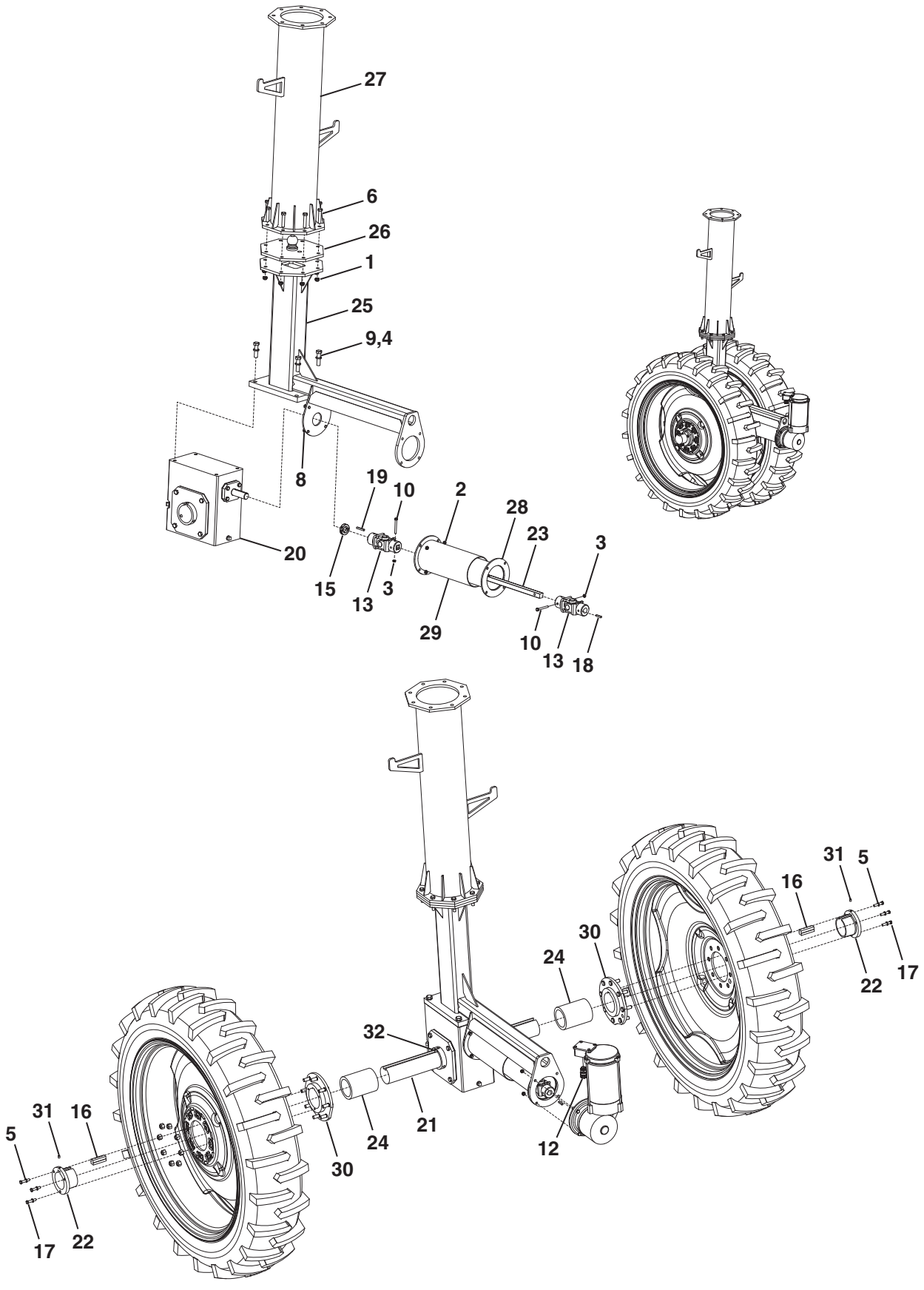
*** * Domestic ONLY.**

~~International ONLY.~~

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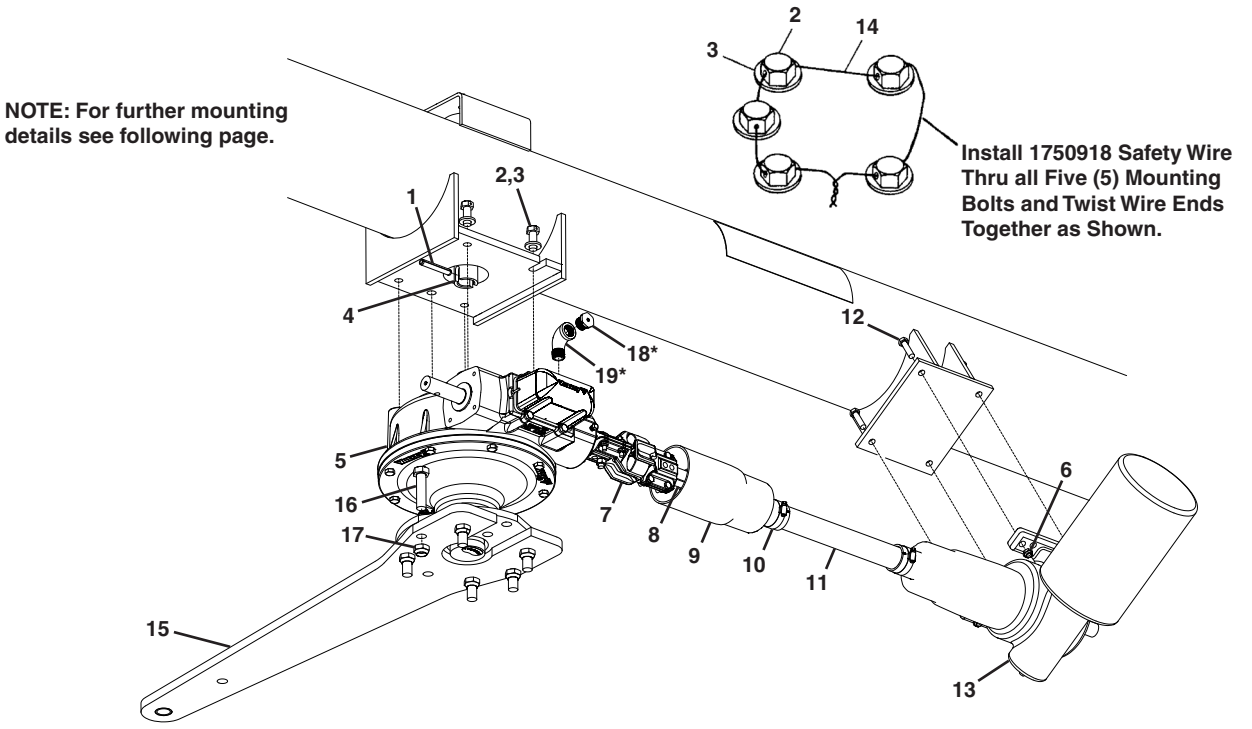


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ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005 *
2	3/8" Lock Nut	0133006 *
3	5/16" Lock Nut	0133007 *
4	5/8" Lock Washer	0141004 *
5	3/8" Lock Washer	0141007 *
6	1/2" x 2-1/2" Cap Screw	0161023 *
7	3/8" x 1-3/4" Cap Screw	0161041 *
8	3/8" x 1" Cap Screw	0161045 *
9	5/8" x 1-3/4" Cap Screw	0161088 *
10	5/16" x 2-3/4" Cap Screw	0161330 *
11	Clamp, Hydraulic	0271051 *
12	1/2" Strain Relief Hub	0314119 *
13	U-Joint - 7/8" Square to 1-1/4" Dia. Round	0999128 *
14	U-Joint - 7/8" Square to 1" Dia. Round	0999129 *
15	Shaft Collar - 1-1/4" Shaft Clamp-on	0999206 *
16	Stepped Key, Tapered Bushing	0999207 *
17	3/8" x 1-3/4" Cap Screw, Tapered Bushing	0999208 *
18	1/4" x 1-1/4" Key Square	1750280 *
19	1/4" x 1-7/8" Key Square	1751281 *
20	Worm Gearbox Assm. - Ironman	1751312
21	Drive Shaft - 33.50" Long	1751274
22	Split Taper Bushing - Plated	1751276
23	Square Drive Shaft - 15.25" Long	1751279
24	Shaft Sleeve	9364462
25	Main Leg Assm.	9364467
26	Hitch Ball Assm.	9364468
27	Female Leg Assm.	9364535
28	Guard Tube - Small	9364477
29	Guard Tube - Large	9364479
30	Hub w/Lug Bolts & Nuts - HR1	9364498
31	5/16" x 3/8" Cup Point Set Screw	0999539
32	Gearbox Key - .875 x .688 x 4.00 (Service Part ONLY)	0999563

* Float Drive Hardware Kit KA01767

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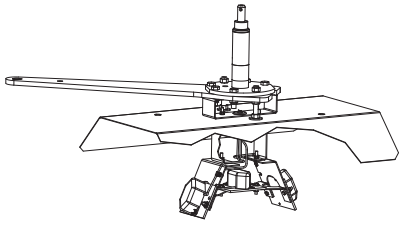


ITEM	DESCRIPTION	PART#
1	Roll Pin	0111023
2	1/2" x 1-1/4" Cap Screw (Special)	0164171
3	1/2" Washer	0142025
4	Steering Shaft	1751195
	Steering Shaft - High Profile	1751303
5	Corner Steering Flanged Gearbox w/Bronze Gear	1751201 **
6	3/8" Lock Nut	0133006
7	Ultra Heavy Duty Flex Joint	KA01300
8	Drive Shaft	1751163
9	Short Drive Shaft Shield	1751221
10	Clamp	0271013
11	Drive Shaft Shield	0998340
12	3/8" x 1-1/2" Cap Screw	0161082
13	3/4 HP Gearmotor 20 RPM	03E2055
14	Safety Wire	1750918
15	Corner Steering Arm (Flanged Gearbox)	1751040
16	5/8" x 2-1/4" Cap Screw	0161012
17	5/8" Lock Nut	0133010
18	Breather Vent - 1/2" NPT (Plastic)	0980292 *
19	1/2" NPT x 90° Elbow Fitting (Galvanized)	0241056 *

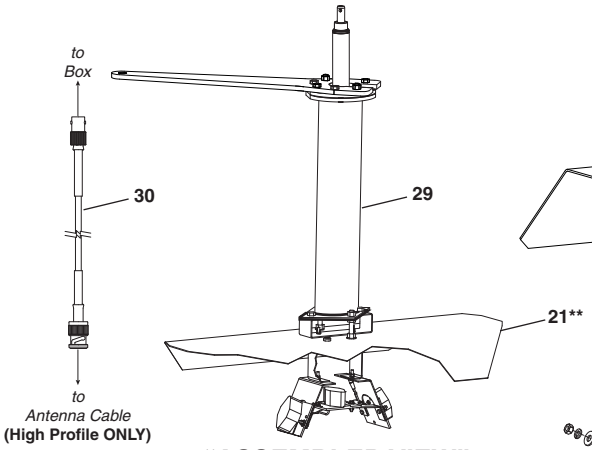
* Gearbox Breather Vent Kit KA02671

** NOTE: See 'Corner Steering Gearbox' page in this section for gearbox components.

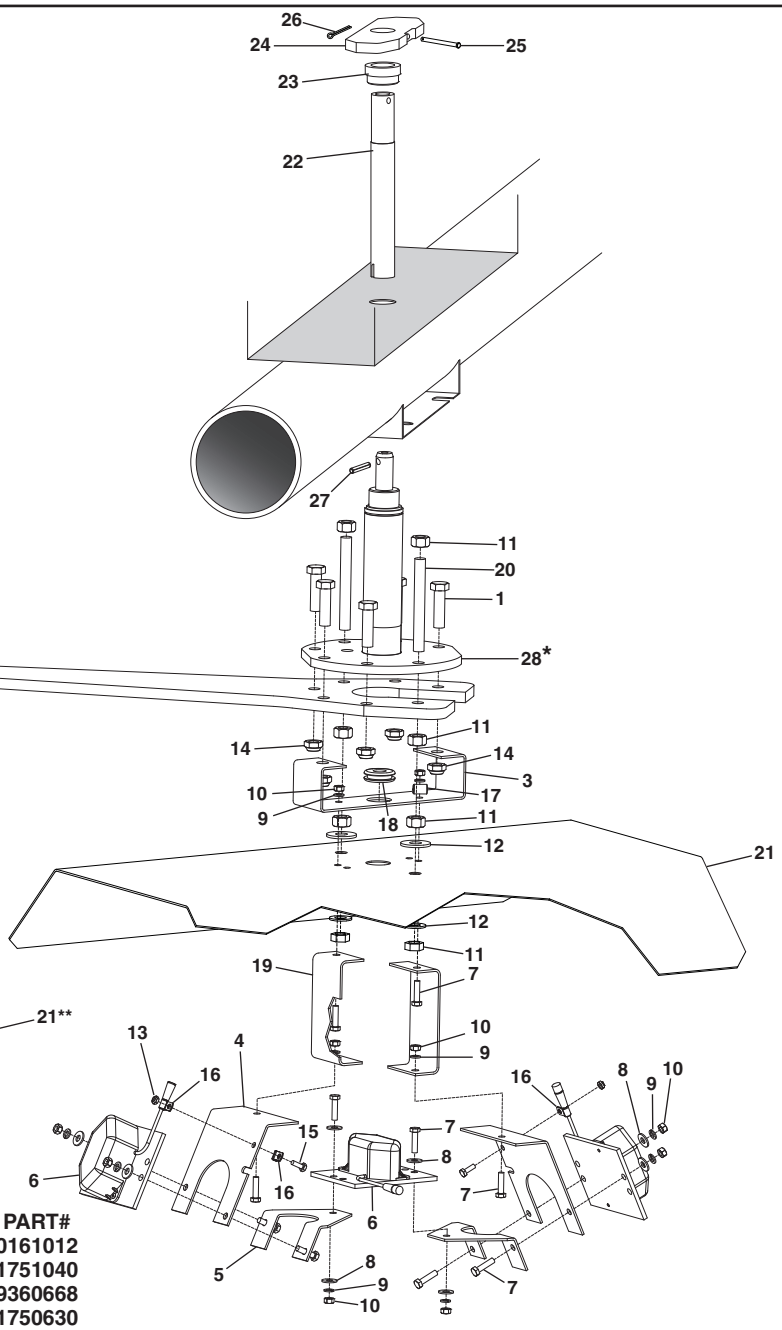
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"ASSEMBLED VIEW"
(Standard Profile)



"ASSEMBLED VIEW"
(High Profile)

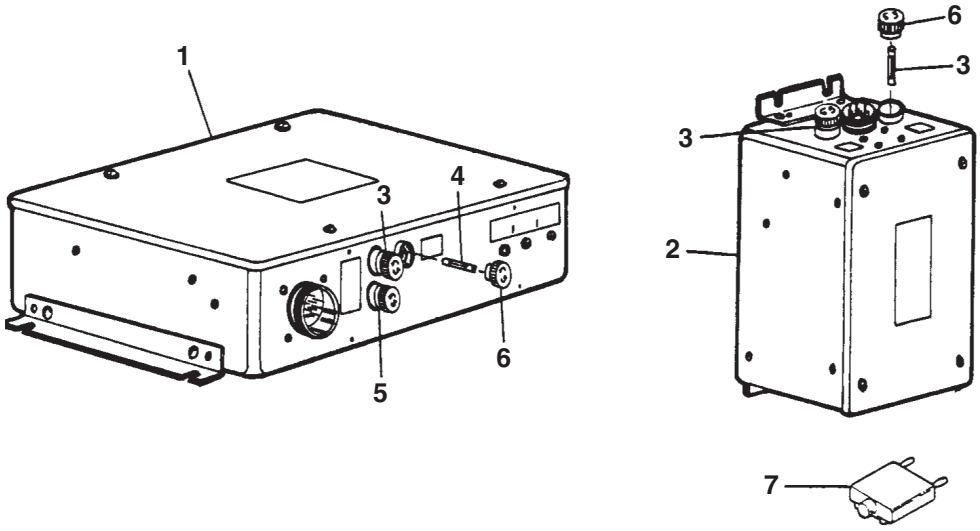


ITEM	DESCRIPTION	PART#
1	5/8" x 2-1/4" Cap Screw	0161012
2	Steering Arm - Flanged Gearbox	1751040
3	Corner Antenna Bracket	9360668
4	Large Antenna Mounting Bracket	1750630
5	Small Antenna Mounting Bracket	1750631
6	Reference Antenna 833 Hz - 7' Leads	03E3835
	Reference Antenna 1000 Hz - 7' Leads	03E3829
	Reference Antenna 1200 Hz - 7' Leads	03E3830
7	5/16" x 1-1/4" Cap Screw	0161051
8	5/16" Flat Washer	0142017
9	5/16" Lock Washer	0141008
10	5/16" Nut	0131019
11	5/8" Hex Nut	0131009
12	5/8" Washer	0142011
13	1/4" Lock Nut	0133008
14	5/8" Lock Nut	0133010
15	1/4" x 3/4" Cap Screw	0161057
16	3/16" Loop Clamp	03E4451
17	3/8" Loop Clamp	03E4452
18	1-7/16" Push-In Grommet - Rubber	03E4453
19	Corner Antenna Extension Bracket	9360803
20	Corner 5.50 x 5/8" All Thread	9360806

ITEM	DESCRIPTION	PART#
21	Corner Antenna Shield - Standard Profile	9360802
	Corner Antenna Shield - High Profile	9361356**
22	Steering Shaft	1751195
23	Steering Bushing	9360653
24	Steering Cam - 140°	9360654
25	3/8" x 3" Clevis Pin	0112040
26	5/32" x 1" Cotter Pin	0151020
27	Roll Pin	0111023
28	Corner Steering Flanged Gearbox w/Bronze Gear	1751201*
29	Antenna Extension Mount Plate - High Profile	9361353
30	Antenna Extension Cable Assm. - 40" Long	03E3956
	Guidance Antenna Extension Cable Kit (incl. Item 25 & Self-Bonding Silicone Tape 0996553).	KA02161

NOTE: Full Gearbox not shown for clarity.

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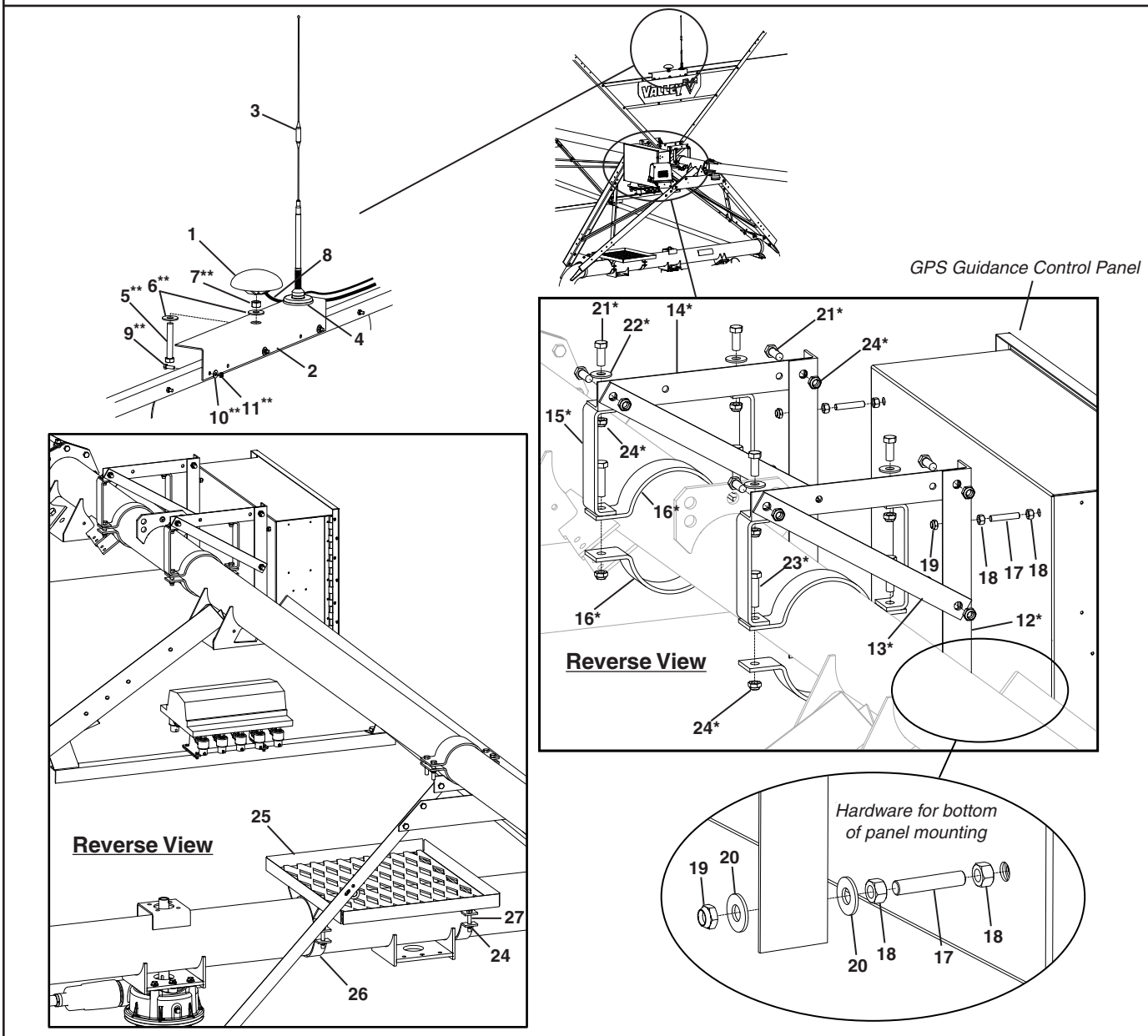


ITEM	DESCRIPTION	PART #
1	Valmont Guidance Receiver (New)	03E1501
	*Rebuilt Guidance Control	03E1546
2	833 Hz Oscillator (New)	03E2244
	*Rebuilt 833 Hz Oscillator	03M2244
	1000 Hz Oscillator (New)	03E2245
	*Rebuilt 1000 Hz Oscillator	03M2245
	1200 Hz Oscillator (New)	03E2246
	*Rebuilt 1200 Hz Oscillator	03M2246
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	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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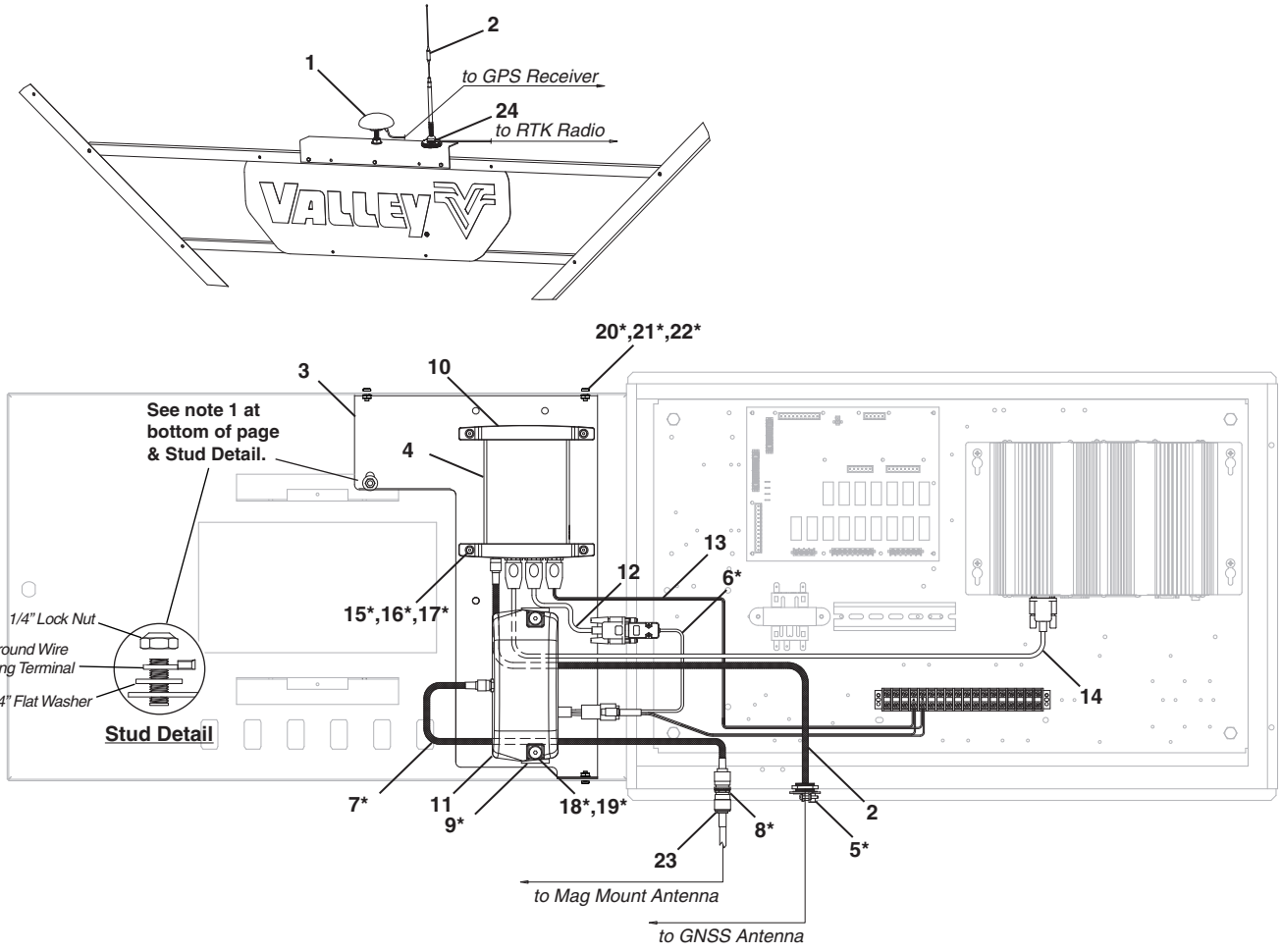
ITEM	DESCRIPTION	PART#
1	GNSS Antenna (OBSOLETE Sep 17)	03E3520
2	GPS SDU Bracket	9311745
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	Magnetic Antenna Mount	03E3521
5	5/8" x 4" Cap Screw - All Thread	0161434
6	5/8" Flat Washer	0142011
7	5/8" Hex Nut	0131009
8	GNSS Antenna Cable	03E3522
9	5/16" x 1" Cap Screw	0161052
10	5/16" Flat Washer - Wide	0142017
11	5/16" Lock Nut	0133007
12	Panel Mount Angle - Long	1751176
13	Panel Mount Strap	1751178
14	Panel Mount Angle - Short	1751175
15	Control Panel Standoff	9360896
16	6" Half Clamp - 2-Bolt	1902010
	6-5/8" Half Clamp - 2-Bolt	1720290
17	3/8" x 2" Threaded Rod - Stainless Steel	0994523
18	3/8" Hex Nut	0131018
19	3/8" Lock Nut	0133006

ITEM	DESCRIPTION	PART#
20	3/8" Flat Washer	0142031
21	1/2" x 1-1/4" Cap Screw	0161027
22	1/2" Flat Washer	0142026
23	1/2" x 2" Cap Screw	0161024
24	1/2" Lock Nut	0133005
	5/8" Lock Nut (High Profile)	0133010
25	Maintenance Platform Assm. - 8-5/8"	1751177
	Maintenance Platform Assm. - 10" (High Profile)	1751302
26	8-5/8" Half Clamp - 2-Bolt	9361242
	10" Half Clamp - 2-Bolt (High Profile)	1702524
27	1/2" x 3" Cap Screw	0161136
	5/8" x 3" Cap Screw (High Profile)	0161010

* VFlex SDU Panel Mounting Hdwre. Kit - 6" Pipe KA01507
* VFlex SDU Panel Mounting Hdwre. Kit - 6-5/8" Pipe KA01637
** NC3050 Corner Mount. Hdwr. Kit (OBS. Sep 17)..... KA01400
Magnetic Mount & 5db Omni Antenna Kit..... KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Mounting Hdwre. Kit KA01637 contains same hdwre. as KA01507 but with 6-5/8" Half Clamp.

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ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
3	Panel Door Bracket	9311874
4	NC3050 Receiver - Programmed (OBS. Sep 17)	03E3526
5	3/4" Romax Cable Connector	03E3163
6	RTK Correction Radio Harness (OBS. Sep 17)	03E3530
7	Antenna Jumper - N Male to SP-TNC Male	03E3539
8	Bulkhead - N-Female	0997247
9	Radio Mounting Bracket (OBSOLETE Sep 17)	9312056
10	NC3050 Mounting Bracket (OBSOLETE Sep 17)	03E3524
11	RTK Radio - 400MHz (OBSOLETE Sep 17)	03E3239
	- 900MHz (OBSOLETE Sep 17)	03E3238
12	9-Pin Male to USB & DB9 Female - Y-Cable	03E3523
13	9-Pin Female Power Cable (OBSOLETE Sep 17)	03E3529
14	9-Pin Male to RJ45&DB9 Fem. - Y-Cable (OBS. Sep 17)	03E3525
15	#6 x 3/4" Screw - Phillips (OBSOLETE Sep 17)	0164230
16	#6 Flat Washer	0142074

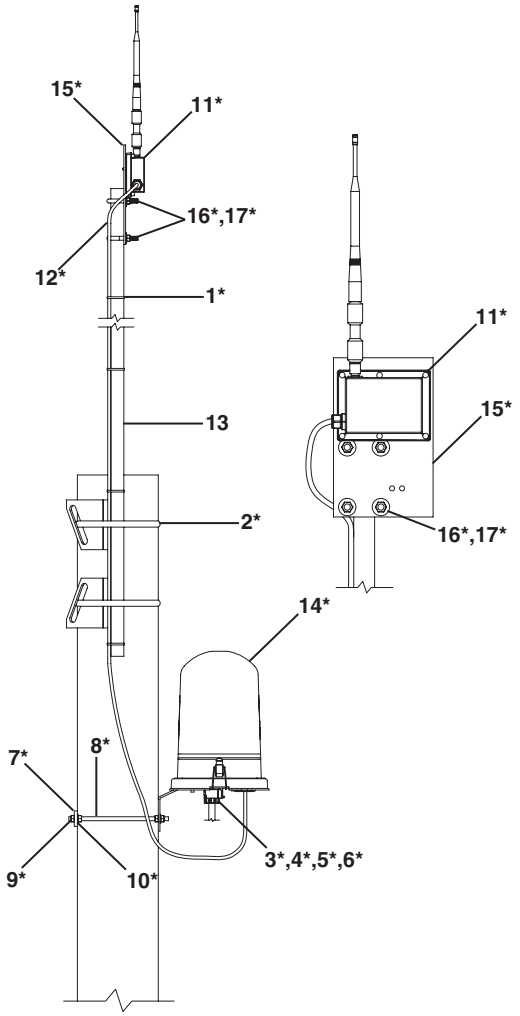
ITEM	DESCRIPTION	PART#
17	#6 Nut	0134027
18	1/4" x 20mm 2A Flat Screw - Allen Socket	0164234
19	1/4" 2B Hex Nut	0131020
20	#8 x 3/8" Machine Screw 2A	0164110
21	#8 Flat Washer - Stainless Steel	0142084
22	#8 Hex Nut w/External Tooth Lock Washer	0134059
23	Cable - N Male to N Female 15' Foot Long	03E3126
24	Antenna Mount - Magnetic	03E3521

* NC3050 Corner Mounting Hardware Kit KA01400

(cont. from previous page) (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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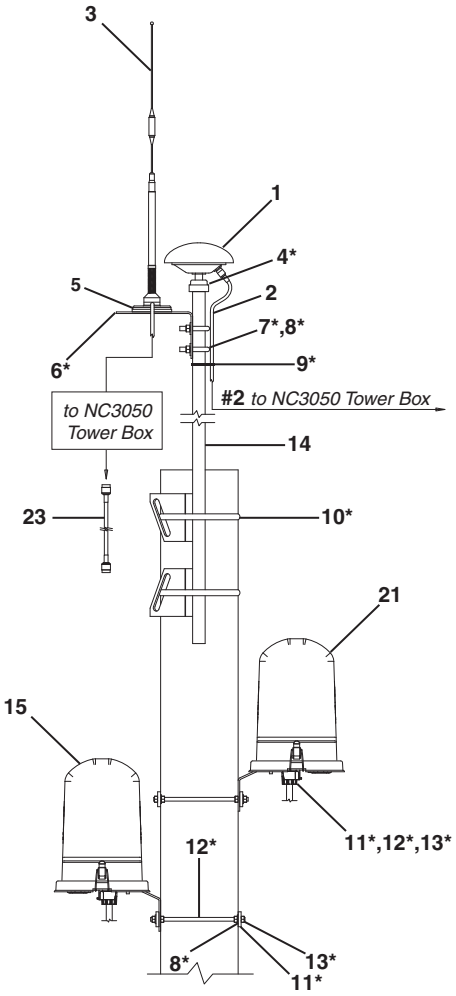


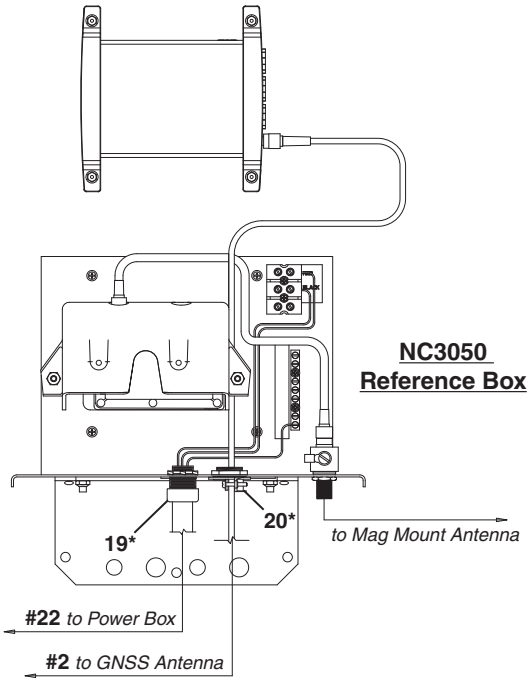
ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE Jun 2016	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
9	5/16" Hex Nut	0131037
10	1/4" Flat Washer - Wide	0142022
11	GPS Guidance Repeater Radio w/Antenna (OBS. Sep 17)	03E2870
12	Radio Cable (OBSOLETE Sep 17)	03E2859
13	Running Light Bracket Assm.	1781544
14	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
15	Mounting Plate	9311129
16	5/16" U-Bolt w/Hex Nuts (2 ea.)	0176064
17	5/16" Flat Washer - Wide	0142017

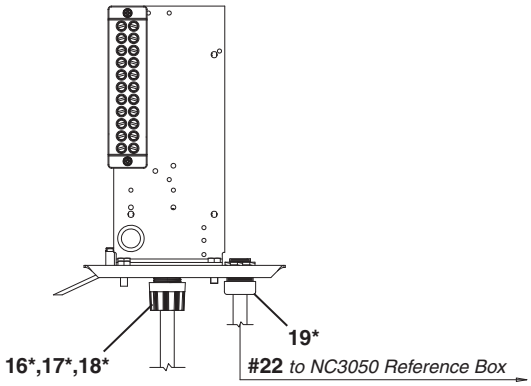
* Repeater Mounting Hardware Kit (OBSOLETE Sep 17) KA01404
(kit also includes (3) Cable Tie - Black 11" (not shown)..... 0314834

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Functional Area	Assembly / Part	Rev# 09-17
Steering & Guidance	NavCom3050 GPS Guidance Ref. Station Mntg. & Cable Routing	







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

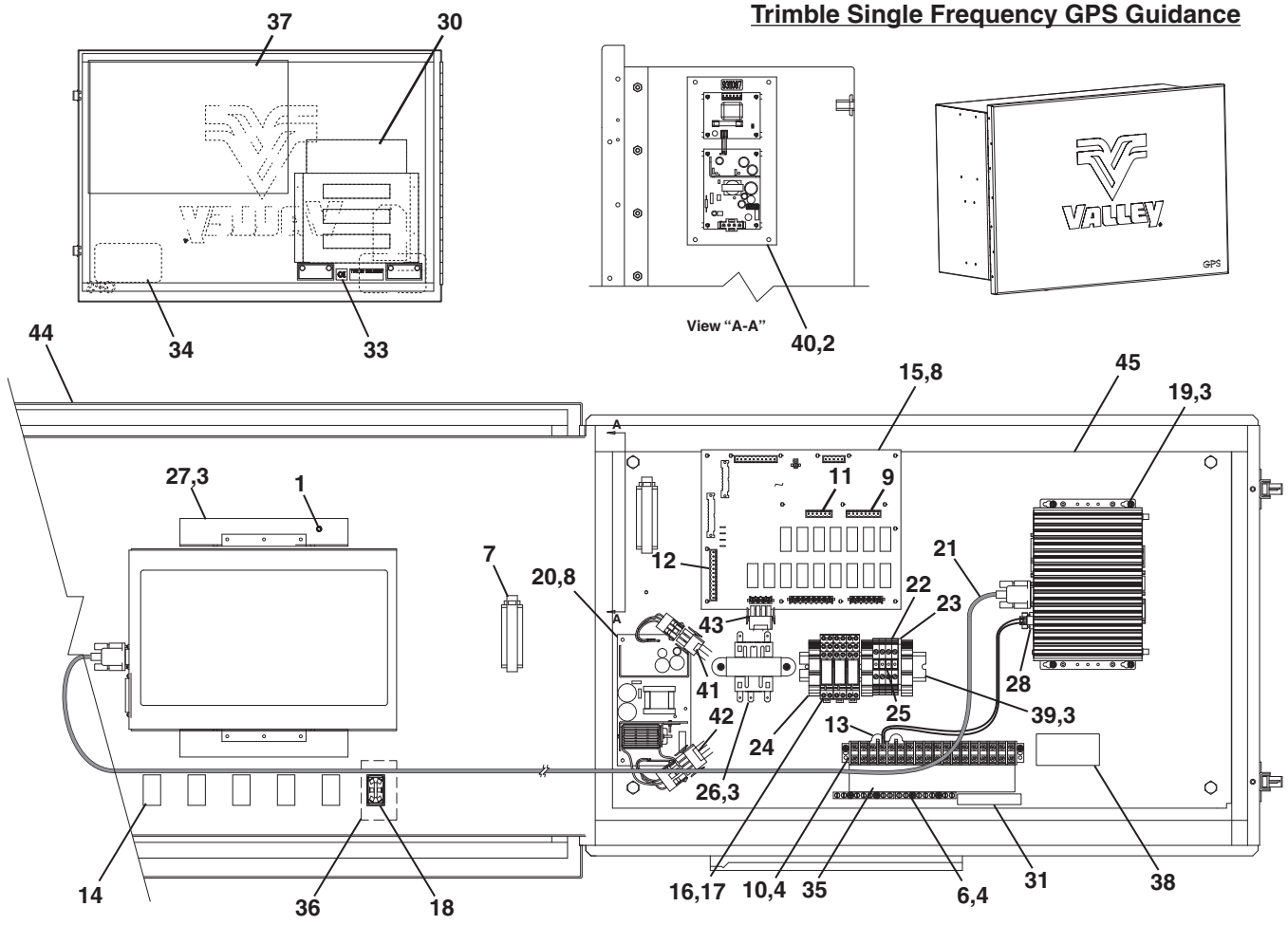
ITEM	DESCRIPTION	PART#
16	Strain Relief Hub - .50"	0314119
17	Scotchlok Connector	0314151
18	3/4" Lock Nut - Romax	0315132
19	Strain Relief Connector	0315502
20	3/4" Romax Cable Connector	03E3163
21	NC3050 Tower Box - 400 MHz (OBSOLETE Sep 17)	1815121
	- 900 MHz (OBSOLETE Sep 17)	1815120
22	Power Cable - 3 Cond. 14 Ga. - 10' Long	1813424
23	Cable - SP-TNC Male to SP-TNC Female - 15'	03E3126

* NC3050 Ref. Station Mount. Hdwr. Kit (OBS. Sep 17) KA01402
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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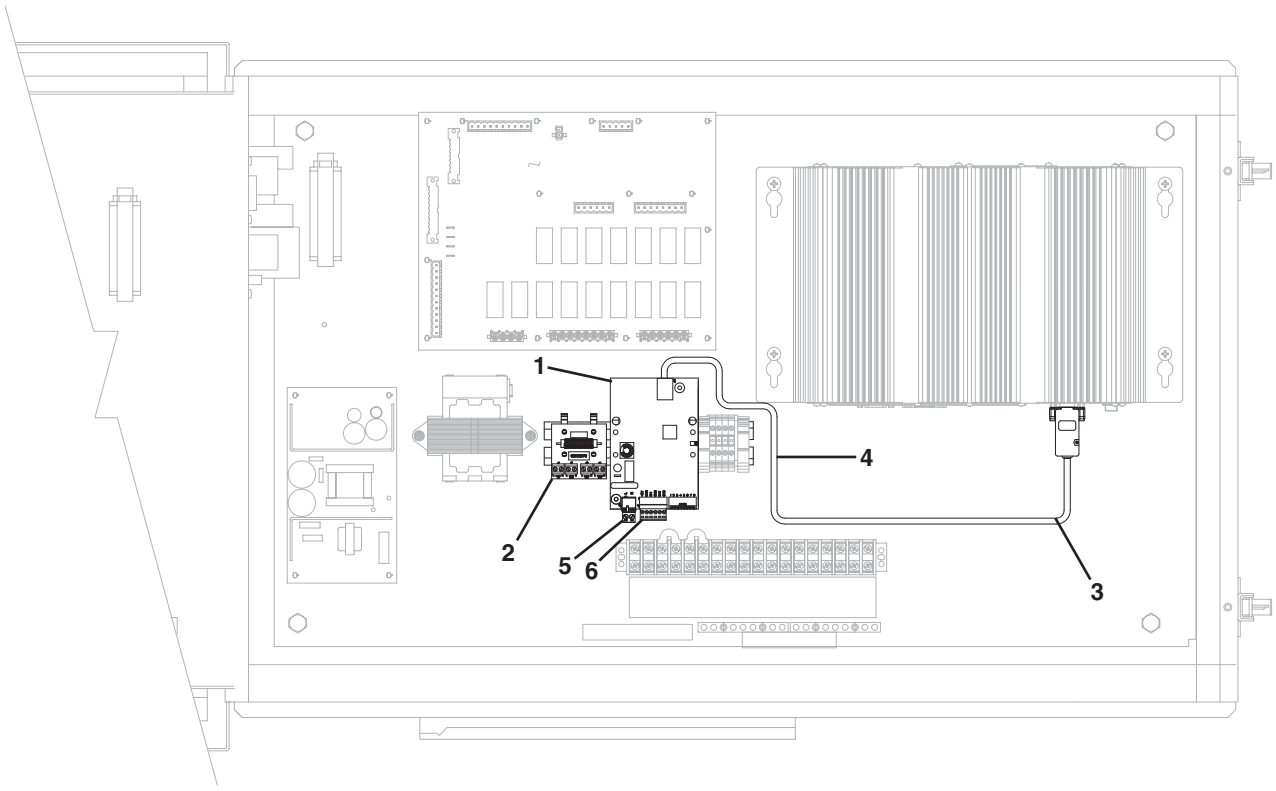
Trimble Single Frequency GPS Guidance



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
	Single Frequency GPS Guidance Control Panel	9311740

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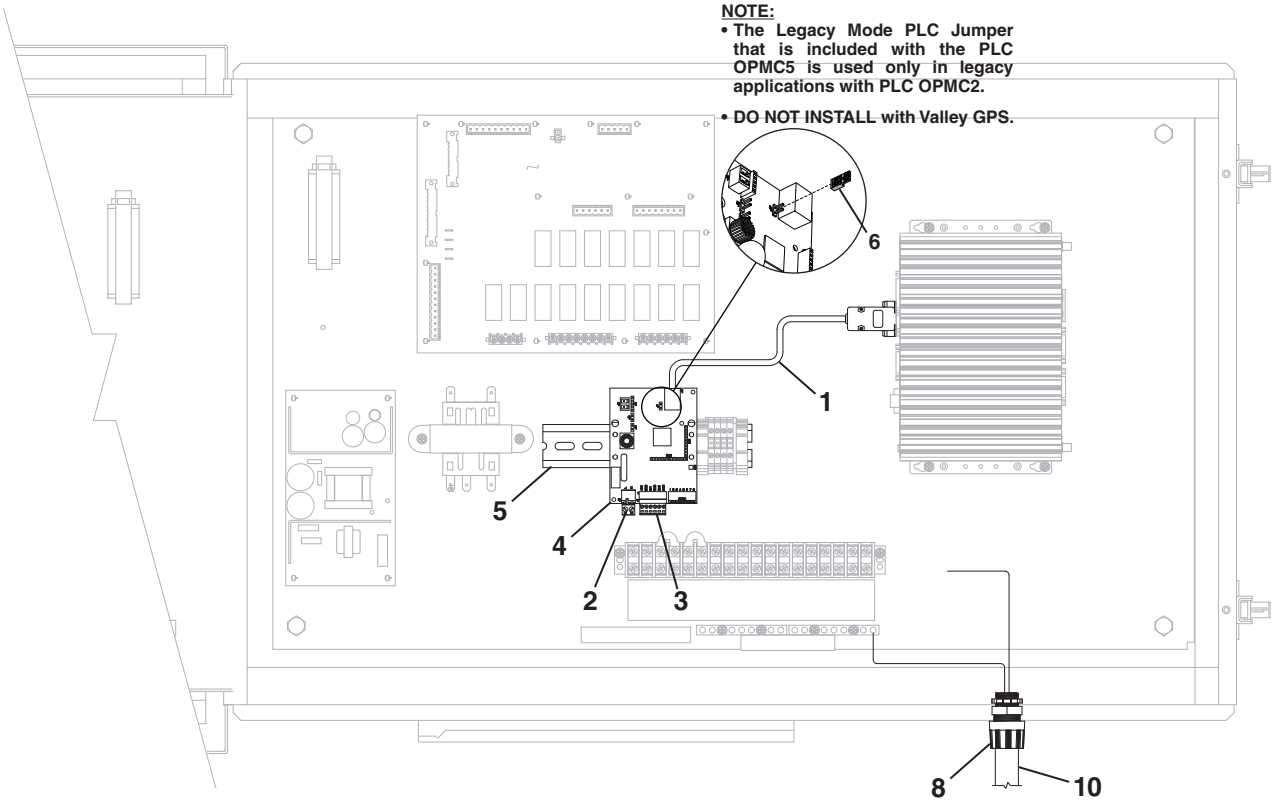
ITEM	DESCRIPTION	PART #
1	PC OPMC2 - 15v Communication - DISCONTINUED May 18 (see next page)	03E3164
2	PLC Filter	03E2879
3	Cable - DB9 Female to RJ11 - 42" Long	03E3038
4	Din Rail Mount Channel - 6.75" Long	9310700
5	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
6	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167

15V Comm. PLC for Corner GPS Guidance Panel Assm. - DISCONT. May 18 (see next page)... 9311984

Also included with 9311984 (not pictured above):

Screwdriver - 2.0mm-2.5mm Blade (1 ea.)	0178009
Screwdriver - 1.5mm-2.0mm Blade (1 ea.)	0178010
Scotchlock Connector (2 ea.)	0314151
Wire Tie Holder (2 ea.)	03E0046
Cable Tie - 5.5" Long (5 ea.)	03E1605
Field Install - PLC Corner GPS Guidance Panel (1 ea.) - OBSOLETED May 18	9311985

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ITEM	DESCRIPTION	PART #
1	Cable - DB9 Female to RJ11 - 42" Long	03E3038
2	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
3	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167
4	PC OPMC5 (includes Dinrail Clip 03E3022)	03E4243
5	Din Rail Mount Channel - 6.75" Long	9310700
6	Shunt - 2 Position	03E4329 *
7	Decal - Dip Switch Settings (not shown)	0998384 *
8	Strain Relief Hub	0314119 **
9	Scotchlok Connector (not shown)	0314151 **
10	Cable - 20'-0" - 4 Cond. 14 Ga.	1810286 **

PLC - OPMC5 for Corner GPS Guidance Panel Assm..... 9312984

* PLC Jumper Kit.....KA02668
(Item 7 - Decal should be placed over existing Dip Switch Decal when Item 6 - Shunt is used)

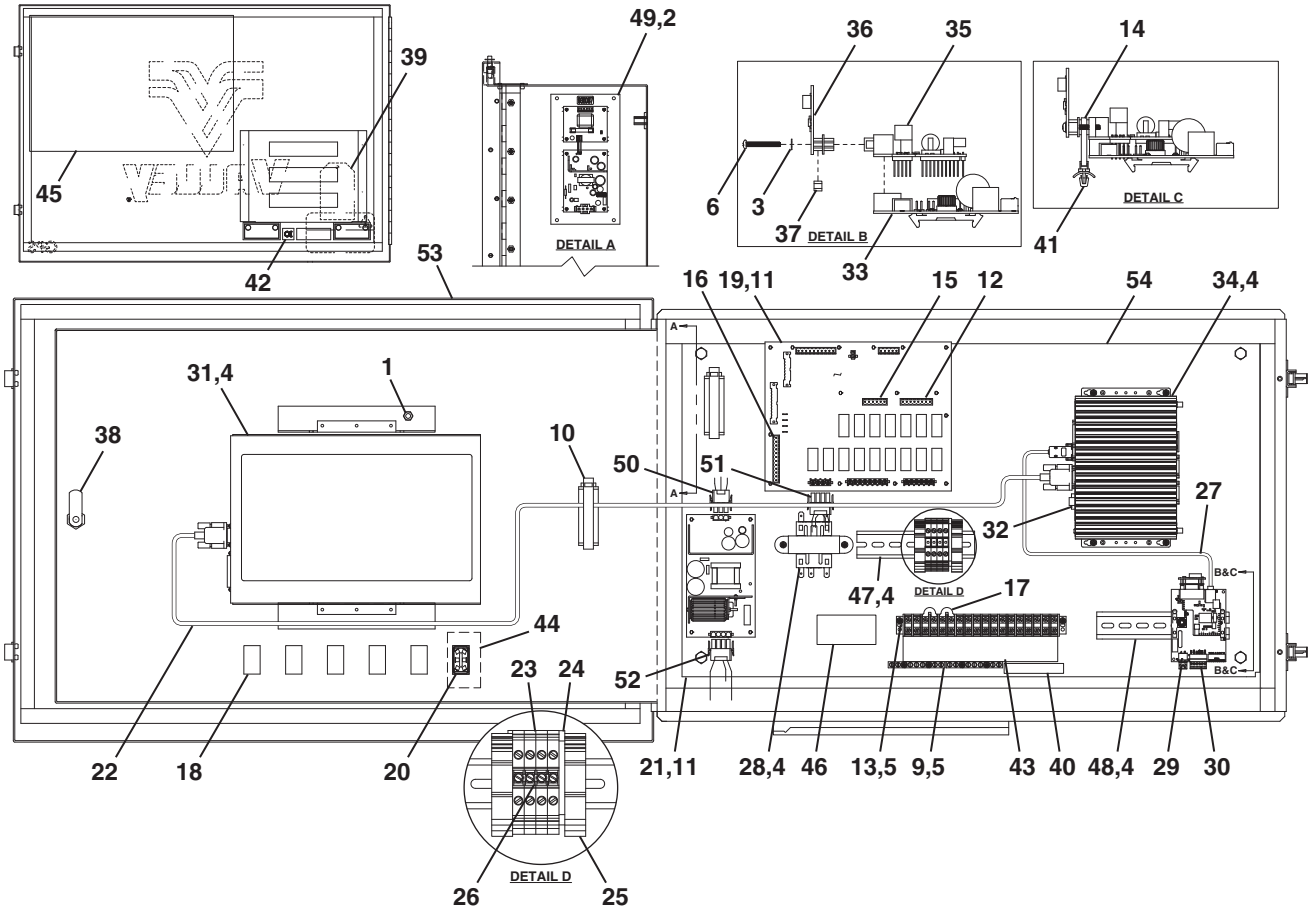
** GPS Guidance PLC Kit.....KA02676

Also included with 9312984 (not pictured above):

Screwdriver - 2.0mm-2.5mm Blade (1 ea.)	0178009
Scotchlock Connector (2 ea.)	0314151
Ty Wrap - Black	0314225
Wire Tie Holder (2 ea.)	03E0046
Cable Tie - 5.5" Long (5 ea.)	03E1605
Field Install - PC OPMC5 Corner GPS Guidance Panel	9312985
Field Install - OPMC5 Dip Switch Settings	9312993

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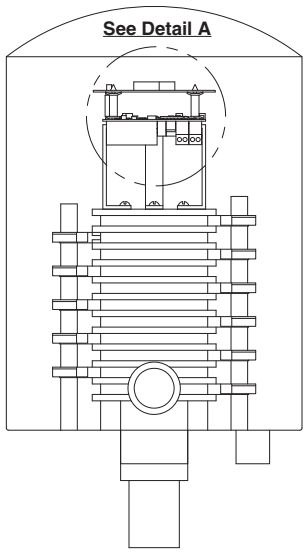
Functional Area	Assembly / Part	Rev# 03-19
Steering & Guidance	RTK GPS Corner Guidance Control Panel	



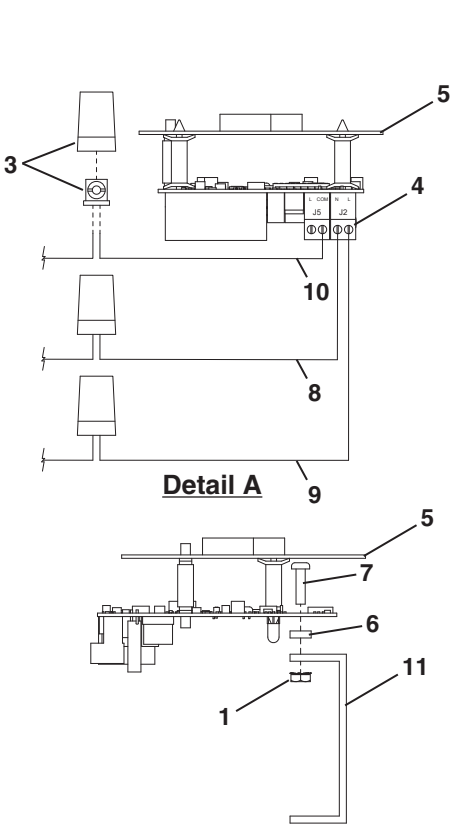
ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#4 Lock Washer - Internal Tooth	0141037
4	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#4 Machine Screw - Phillips Head Carbon Steel	0164258
7	Scotchlok Connector (not shown)	0314151
8	Tyton Ty Wrap - Black (not shown)	0314225
9	Ground Lug	0315120
10	Ribbon Cable Clamp	0315840
11	Snap-in Spacer	03E0412
12	Terminal Strip - 8 Pole	03E0496
13	Terminal Strip - 18 Pole	03E1561
14	Cable Tie - 5.50" Long Plastic	03E1605
15	Terminal Strip - 6 Pole	03E1611
16	Terminal Strip Plug - 12 Pole	03E1612
17	Jumper	03E1644
18	Dummy Rocker Switch Mount	03E1719
19	Select/Pro Relay Board plus I/O	03E2211
20	Rocker Switch - 2 Position DPST	03E2757
21	Power Supply - 12 V	03E2809
22	Null Modem Cable DB9 Male - DB9 Fem. - 6' Long	03E2814
23	Dinrail Terminal Block	03E2994
24	Terminal Block End Cover	03E2995
25	End Bracket	03E2996
26	Terminal Block Jumper - 4 Pole	03E2999
27	Cable - DB9 Female to RJ11 - 42.00" Long	03E3038
28	Transformer - 75 VA 120 VAC Class 2	03E3098
29	Terminal Strip Plug - 5.08mm 2 Pole	03E3166

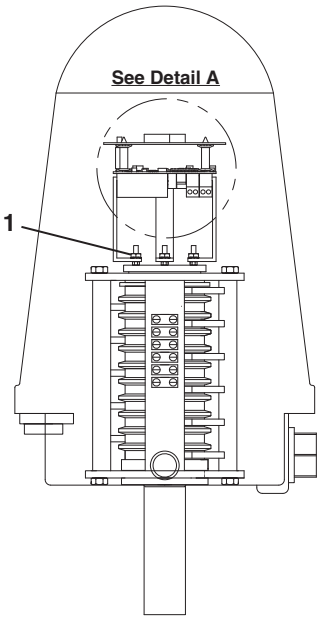
ITEM	DESCRIPTION	PART #
30	Terminal Strip Plug - 3.5mm 6 Pole	03E3167
31	GPS Guidance GGA Plus Module	03E3516
32	Terminal Strip Plug - 2 Pole	03E4138
33	PC OPMC5 (includes Dinrail Clip 03E3022)	03E4243
34	GPS Guidance Computer	03E4333
35	PLC RTK GPS Rover	03E4479
36	PLC RTK GPS Inclinometer	03E4480
37	Spacer - Nylon .125 x .250 x .200	03E4485
38	Cabinet Lock	0991370
39	Accident Prevention Tag	0992009
40	Decal - Ground	0992925
41	Wire Tie Holder - Nylon (not shown)	0994494
42	Decal - "CE" European Communities	0994639
43	Decal - Terminal Strip - 18 Pole	0997857
44	Decal - Guidance Override	0998149
45	Decal - Schematic - GPS Guidance Control Panel	0998153
46	Decal - Terminal Block Torque	0998450
47	Din Rail Mount Channel - 6.00" Long	9310608
48	Din Rail Mount Channel - 6.75" Long	9310700
49	Pro2 Backlight Dual Power Supply	9311087
50	Power Harness Assm. - 3 Pin 3 Wire	9311720
51	Power Harness Assm. - 4 Pin 4 Wire	9311721
52	GPS Power Harness Assm. - 4 Pin 3 Wire	9311722
53	GPS Box and Doors Assm.	9311739
54	GPS Guidance Backpanel	9312019
	RTK GPS Corner Guidance Control Panel	9313104
	3/8" Threaded Rod and Nuts Kit	KA01366

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Aeromotive Collector Ring

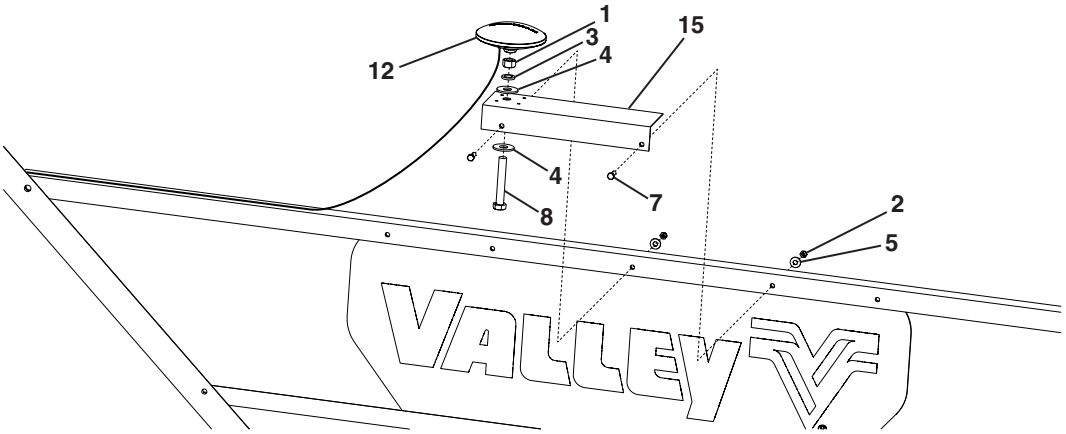


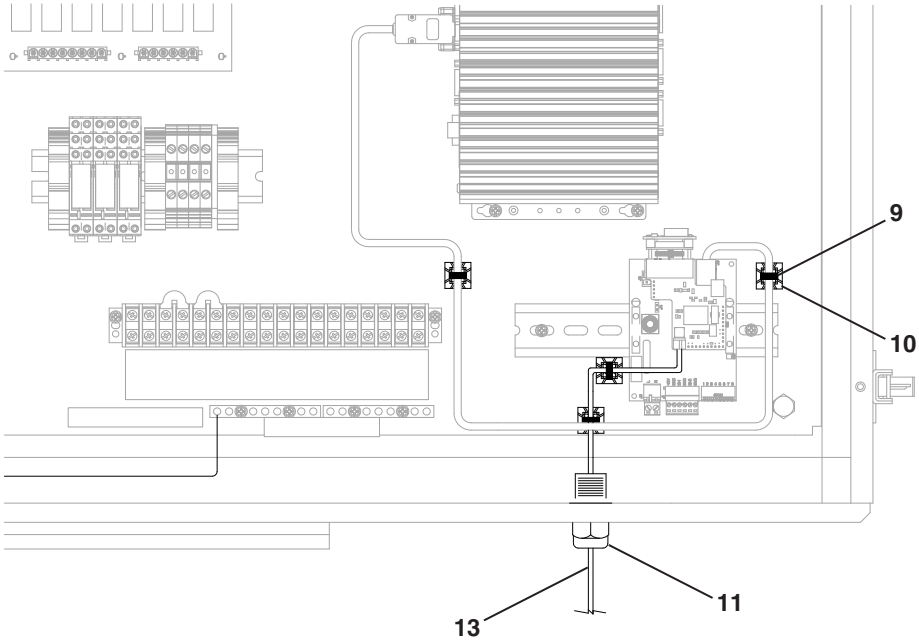


Insul-8 Collector Ring

ITEM	DESCRIPTION	PART #
1	#8 Hex Nut w/External Tooth Lock Washer	0134059
2	Set Screw Holder	0178028
3	Scotchlok w/ Set Screw	0315545
4	Terminal Strip Plug - 5.08mm 2 Pole	03E3166
5	PLC RTK GPS Base Module	03E4481
6	#8 Round Spacer - Nylon 1/8"	03E4483
7	#8-32 x 5/8"Screw - Nylon Phillips Head	03E4484
8	Wire - White 14ga 14.00" Long	1810791
9	Wire - Yellow w/Red 14ga 14.00" Long	1811244
10	Wire - Pink 14ga 14.00" Long	1815472
11	Resolver Mount Bracket	9361174
	GPS RTK Collector Ring Parts Kit	KA02760

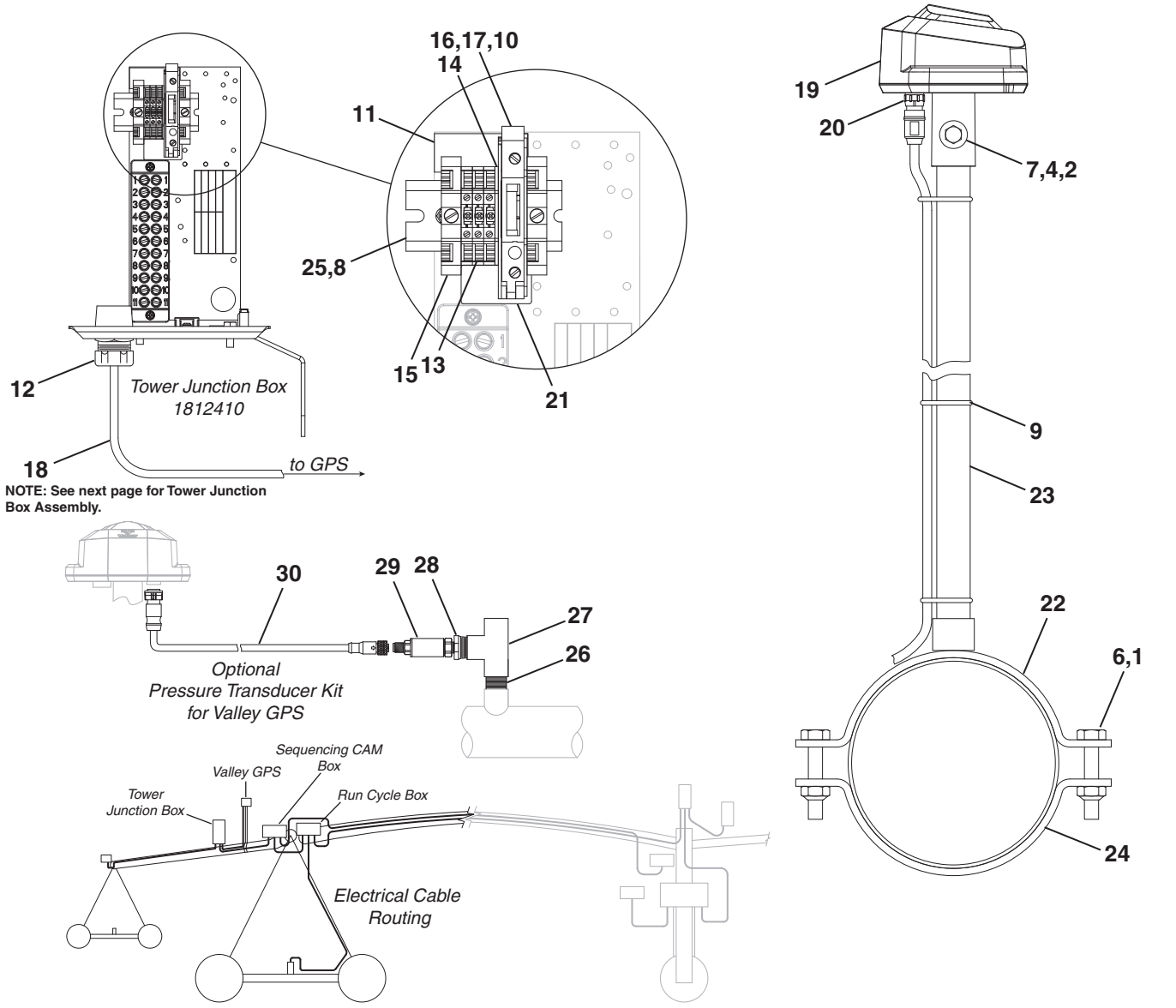
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ITEM	DESCRIPTION	PART #
1	5/8" Hex Nut	0131009
2	5/16" Lock Nut	0133007
3	5/8" Lock Washer	0141004
4	5/8" Flat Washer - Wide	0142011
5	5/16" Flat Washer - Wide	0142017
6	Reducer Washer - 1.00 x .500 (not shown)	0143046
7	5/16" x 1" Cap Screw	0161052
8	5/8" x 4" Cap Screw	0161434
9	Wire Tie Harness	0314225
10	Self-Adhesive Wire Tie Holder	03E0046
11	Cord Connector - 1/2" Hub	03E2132
12	GPS / Beidou / Glonass External Antenna	03E4532
13	Cable - SMA to TNC, CNT-240 18' Long	03E4524
14	Self-Bonding Silicone Tape (not shown)	0996553
15	GPS SDU Single Bracket	9313077
	Valley RTK GPS Antenna Parts	KA02759

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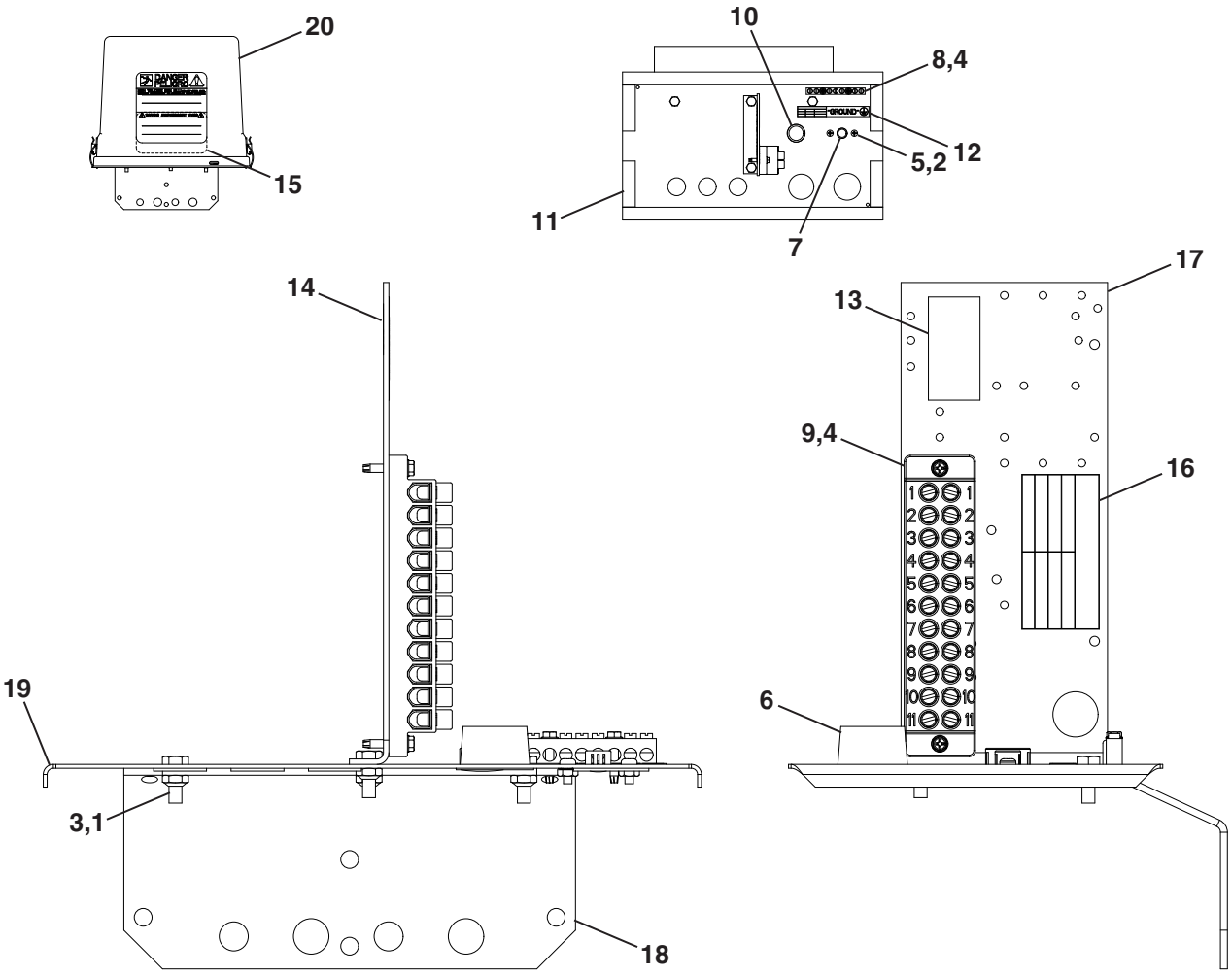
NOTE: See next page for Tower Junction Box Assembly.

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005 [1]
2	5/16" Lock Nut	0133007 [1]
3	#8 Hex Nut w/Ext. Tooth L.W. (if needed for tower box)	0134059 **
4	5/16" Flat Washer - Wide	0142017 [1]
5	Reducer Washer - 1.00-.50	0143046 **
6	1/2" x 2-1/2" Cap Screw	0161023 [1]
	1/2" x 3" Cap Screw - Full Thread (for 5" Mount)	0161381 [1]
	1/2" x 3" Cap Screw (for 8-5/8" Mount)	0161136 [1]
7	5/16" x 2" Cap Screw	0161079 [1]
8	#8 x 1/2" Self-Tap. Screw - P.H. (if needed for tower box)	0161355 **
9	Tyton Wrap - Black	0314225 **
10	Fuse - 1.0 Amp 250V	03E2081 **
11	Decal - 1.0 Amp Fuse	03E2082 **
12	Cord Connector - 1/2" Hub	03E2132 **
13	Terminal Block - Din Rail Mount	03E2994 **
14	Terminal Block End Cover	03E2995 **
15	Din Rail End Stop	03E2996 **
16	Fuse Block - Din Rail Mount	03E2997 **
17	Fuse Block End Cover	03E2998 **
18	PLCG 5 Conductor Cable	03E4245 **
19	Valley GPS	03E4246 **
20	Valley GPS Connector Cap	03E4327

ITEM	DESCRIPTION	PART #
21	Decal - Valley GPS Terminal	0980287 **
22	Half Clamp w/Coupler Assm. - 5"	9364854 [1]
	- 6" & 6-5/8"	1704299 [1]
	- 8-5/8"	9364855 [1]
23	Valley GPS Mounting Pipe	1704300 [1]
24	Half Clamp - Two Bolt - 5"	9361241 [1]
	- 6" & 6-5/8"	1720290 [1]
	- 8-5/8"	9361242 [1]
25	Din Rail Mount Channel - 2.50"	9311988 **
26	3/4" x 2" Nipple - Galvanized	0211014 *
27	3/4" x 3/4" x 3/4" Tee Fitting - Galvanized	0242002 *
28	3/4" x 1/4" Reducer - Plastic	0244046 *
29	Pressure Transducer - 0-200 psis	03E3779 *
30	2 Conductor Cable - PLCG	03E4244 *

[1]	Valley GPS Mounting Hardware Kit - 5"	KA02725
	(Includes Clamp Spacer (2) 1701025 - 6"	KA02726
	- 6-5/8"	KA02666
	- 8-5/8"	KA02727
**	Valley GPS Electrical Hardware Kit	KA02667
*	PSI Transducer for Valley GPS Kit	KA02669

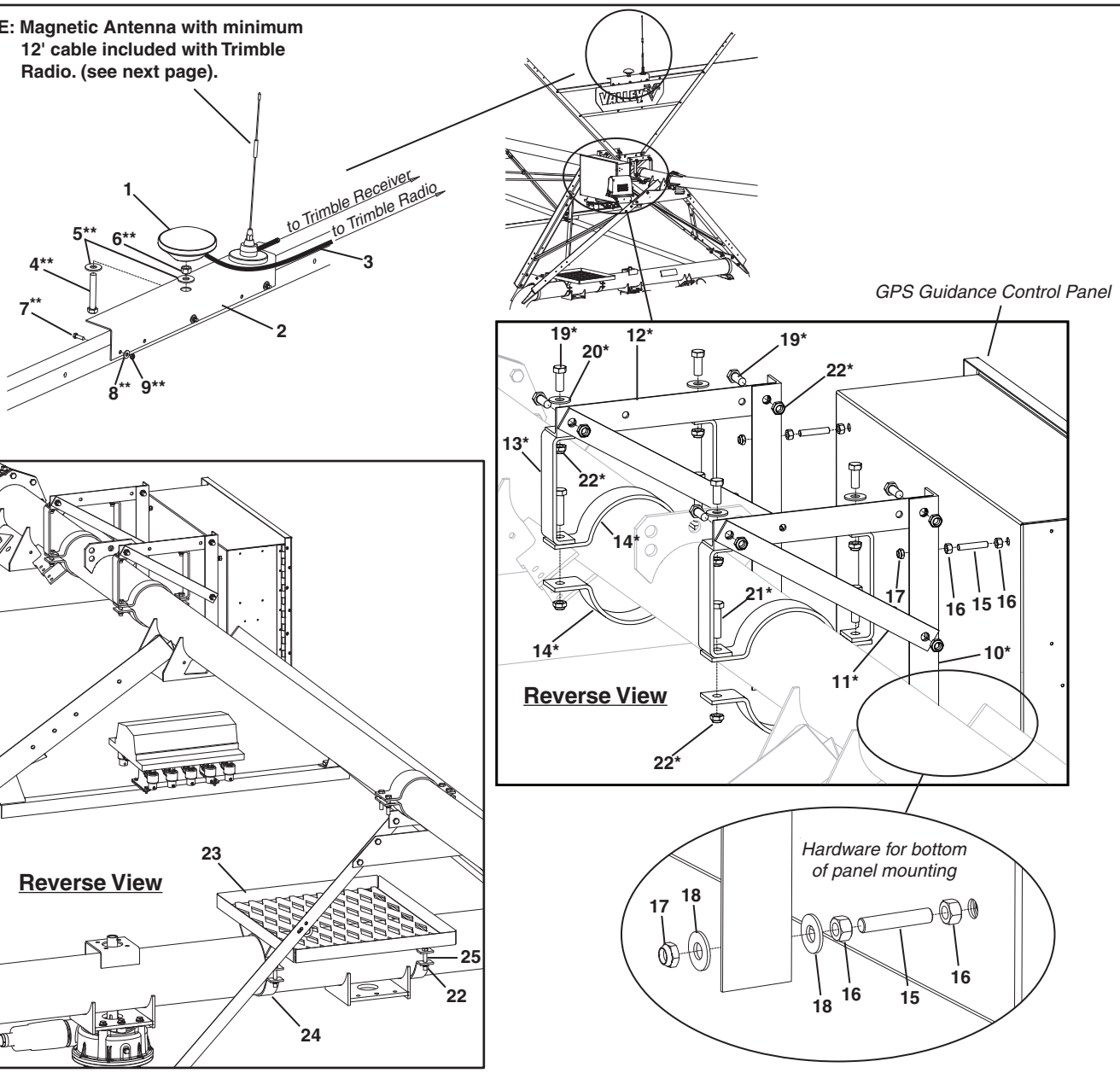
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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	1/4" x 3/4" Cap Screw	0161057
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	#8 x 3/8" Round Head Screw - Phillips Head	0164193
6	15x Caplug	0261010
7	Snap Button Hole Plug - 1/2" Dia. Hole	0314749
8	Ground Lug - 7 Terminal	0315120
9	Terminal Block - 11 Terminal 600V	03E1899
10	Snap Button Hole Plug - 7/8" Dia. Hole	03E2166
11	Gasket Kit	0992071
12	Decal - Ground	0992925
13	Decal - UL Power Supply	0994149
14	Decal - 3R Enclosure	0996403
15	Decal - Electrical Schematic	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	Electrical Tower Box Cover - UL	9311146
	Tower Junction Box Assm.	1812410

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NOTE: Magnetic Antenna with minimum 12' cable included with Trimble Radio. (see next page).



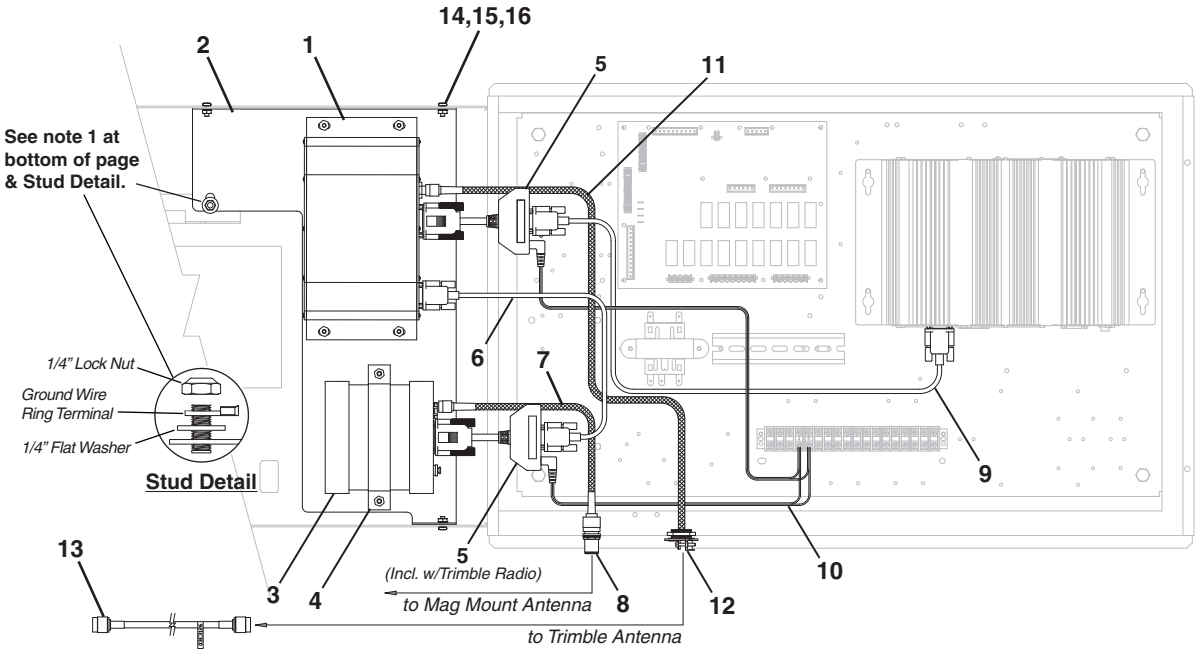
ITEM	DESCRIPTION	PART#
1	Trimble Antenna	03E3113
2	GPS SDU Bracket	9311745
3	Coaxial Cable - 28'	03E3114
4	5/8" x 4" Cap Screw - All Thread	0161434
5	5/8" Flat Washer	0142011
6	5/8" Hex Nut	0131009
7	5/16" x 1" Cap Screw	0161052
8	5/16" Flat Washer - Wide	0142017
9	5/16" Lock Nut	0133007
10	Panel Mount Angle - Long	1751176
11	Panel Mount Strap	1751178
12	Panel Mount Angle - Short	1751175
13	Control Panel Standoff	9360896
14	6" Half Clamp - 2-Bolt	1902010
	6-5/8" Half Clamp - 2-Bolt	1720290
15	3/8" x 2" Threaded Rod - Stainless Steel	0994523
16	3/8" Hex Nut	0131018
17	3/8" Lock Nut	0133006
18	3/8" Flat Washer	0142031

ITEM	DESCRIPTION	PART#
19	1/2" x 1-1/4" Cap Screw	0161027
20	1/2" Flat Washer	0142026
21	1/2" x 2" Cap Screw	0161024
22	1/2" Lock Nut	0133005
	5/8" Lock Nut (High Profile)	0133010
23	Maintenance Platform Assm. - 8-5/8"	1751177
	Maintenance Platform Assm. - 10" (High Profile)	1751302
24	8-5/8" Half Clamp - 2-Bolt	9361242
	10" Half Clamp - 2-Bolt (High Profile)	1702524
25	1/2" x 3" Cap Screw	0161136
	5/8" x 3" Cap Screw (High Profile)	0161010

* VFlex SDU Panel Mounting Hdwre. Kit - 6" Pipe KA01507
* VFlex SDU Panel Mounting Hdwre. Kit - 6-5/8" Pipe KA01637
** Trimble In-Panel Corner Mounting Hardware Kit KA01464

NOTE: Mounting Hdwre. Kit KA01637 contains same hdwre. as KA01507 but with 6-5/8" Half Clamp.

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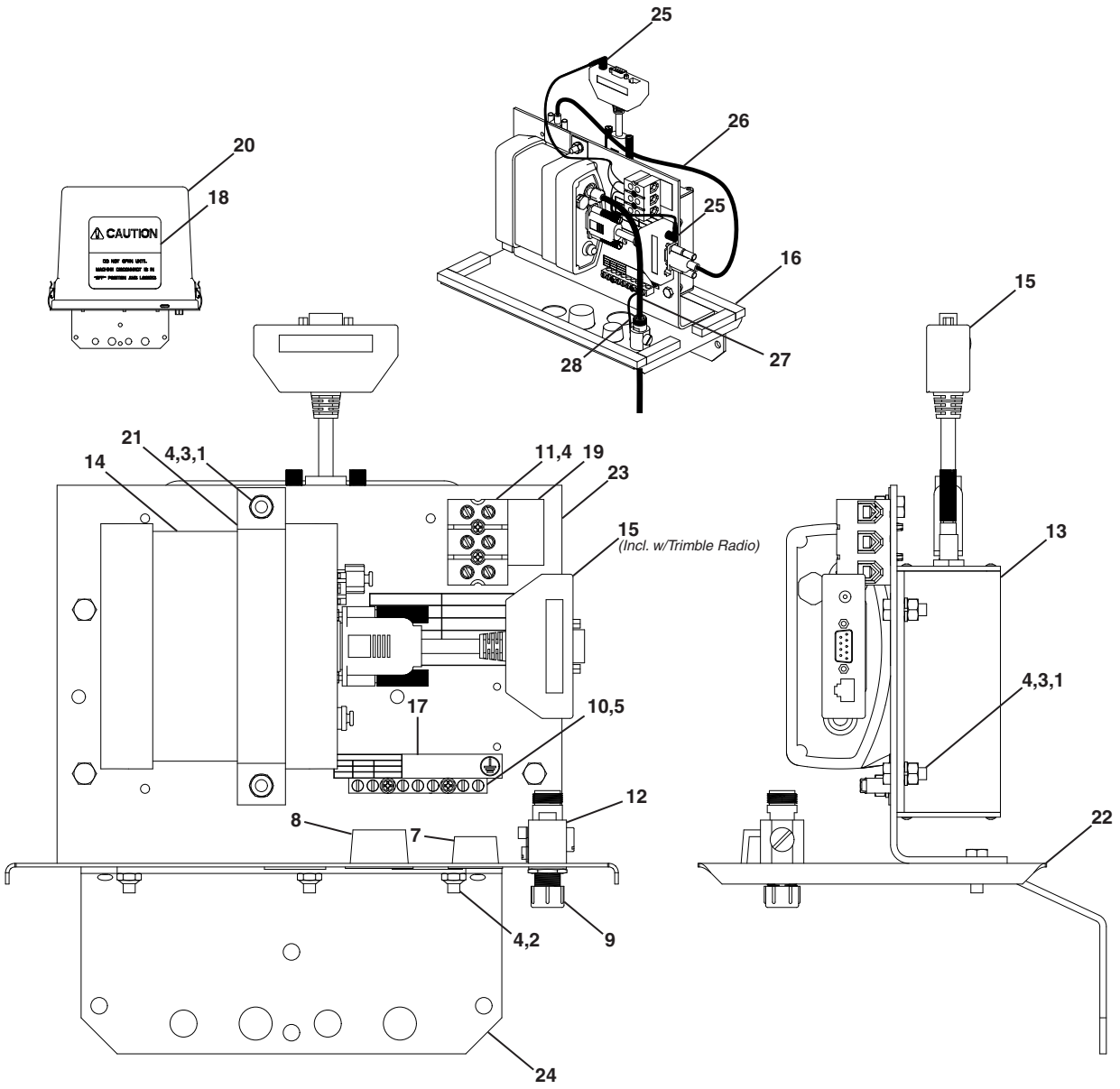
ITEM	DESCRIPTION	PART #
1	Trimble Receiver	03E3111
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Radio Bracket	9311873 *
5	Trimble Power Cable	03E3115
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127 *
7	Antenna Jumper - N Male to TNC Male	03E3128 *
8	N Female Bulkhead	0997247 *
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
10	Power Plug	03E2542 *
11	Coaxial Cable - TNC Male to 90° TNC Male - 28'	03E3114
12	3/4" Cable Connector	03E3163 *
13	Coaxial Cable - N Male to N Female - 15' (if needed)	03E3126
14	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
15	#8 Flat Washer - Stainless Steel	0142084 *
16	#8 x 3/8" Cap Screw	0164110 *

*** Trimble 900 MHz In-Panel Mounting Hardware - Corner KA01464**

(cont'd from previous page)

[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.

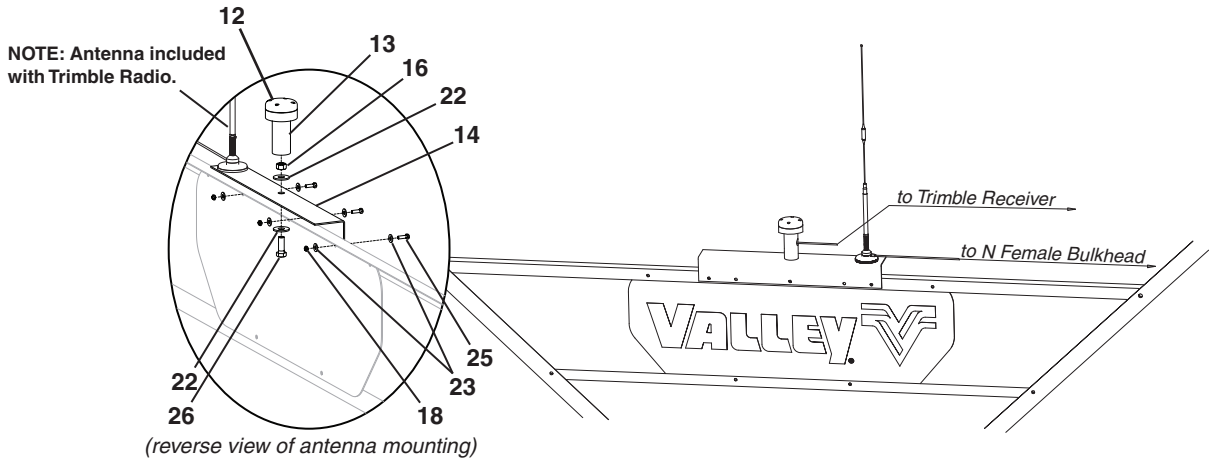
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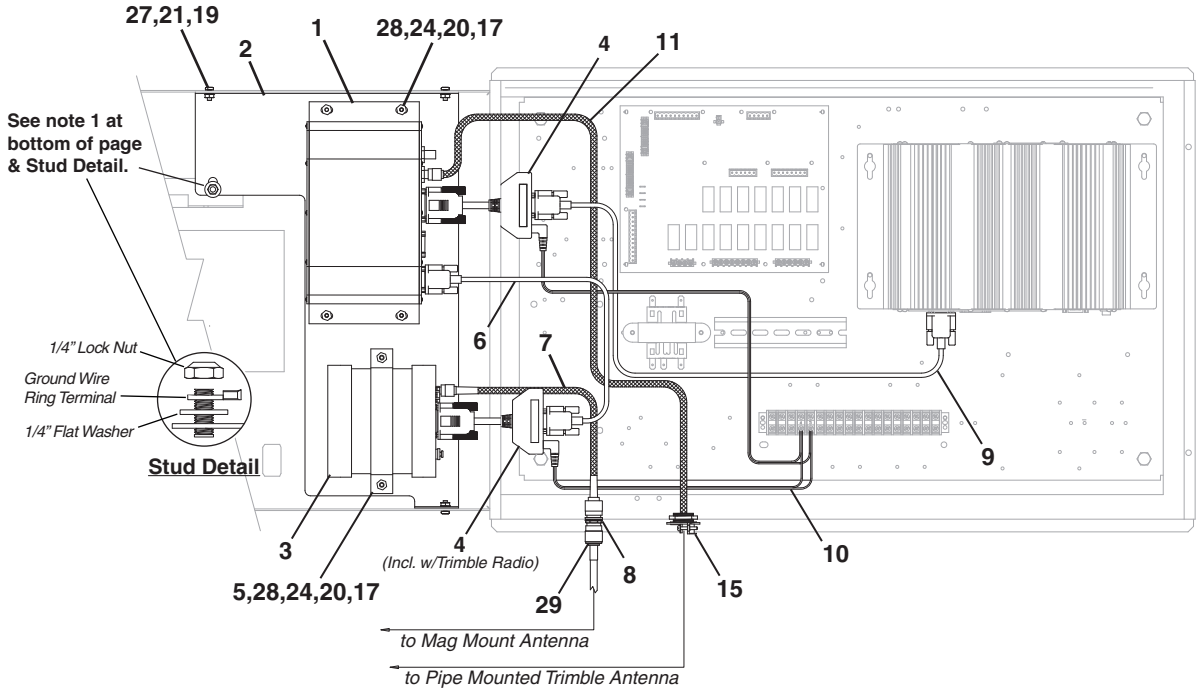


ITEM	DESCRIPTION	PART #
1	1/4" Hex Nut	0131020
2	1/4" Lock Nut	0133008
3	1/4" Lock Washer	0141009
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#8 x 1-1/4" Self Tapping Screw - Phillips Head	0161357
7	Caplug 12	0261008
8	Caplug 14 - Red	0261012
9	Caplug - CD-67 Threaded	0261057
10	Ground Lug	0315120
11	Terminal Strip - 3 Term	0315121
12	Coaxial Surge Protector - 230V	03E3194
13	Trimble Receiver - Programmed	03E3111
14	Trimble Radio - 900MHz - Battery Removed	03E3112
15	Trimble Power Cable	03E3115

ITEM	DESCRIPTION	PART #
16	Gasket Kit	0992071
17	Decal - Ground	0992925
18	Decal - Caution Disconnect Off and Locked	0998831
19	Decal - Trimble Power	0998337
20	Tower Box Cover - UL	9311146
21	900MHz Trimble Radio Bracket	9311873
22	Bottom Plate	9311884
23	Vertical Plate	9311889
24	Tower Box Mounting Plate	1702054
25	Power Plug	03E2542
26	DB9 Fem to DB9 Fem Modem Cable - 1'	03E3127
27	N Male to RP-TNC Male Antenna Jumper - 12"	03E3128
28	Ground Wire - 14Ga. - 6.50"	1810162
	900MHz Trimble Reference Station Assm.	1814998

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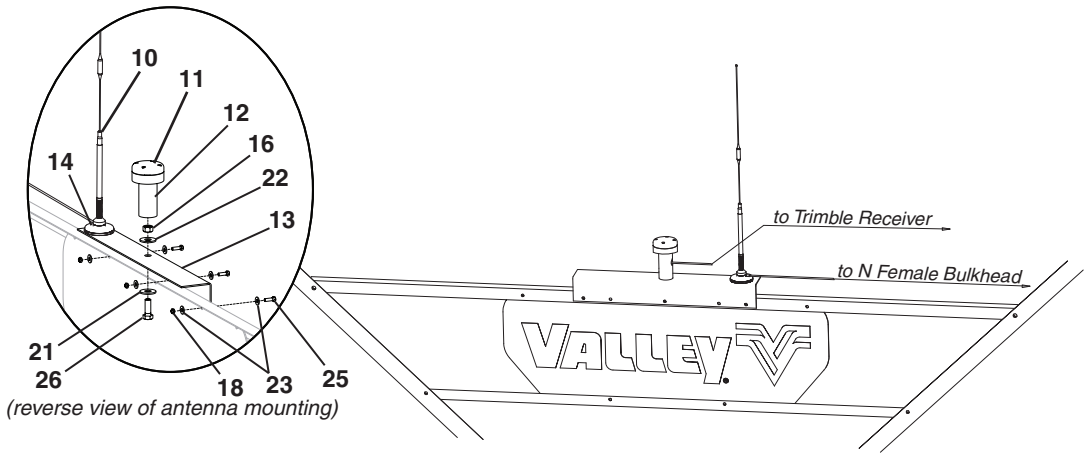
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Power Cable	03E3115
5	Trimble Radio Bracket	9311873
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127*
7	Antenna Jumper - N Male to TNC Male	03E3128*
8	N Female Bulkhead	0997247*
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137*
10	Power Plug	03E2542*
11	GNSS Antenna Cable - 12'	03E3522
12	AV33 L1/G1 Aviation Antenna	03E3605
13	Antenna Mount	03E3649
14	GPS SDU Bracket	9311745
15	3/4" Cable Connector	03E3163*
16	5/8" Hex Nut	0131009*
17	1/4" Hex Nut	0131020*
18	5/16" Lock Nut	0133007*

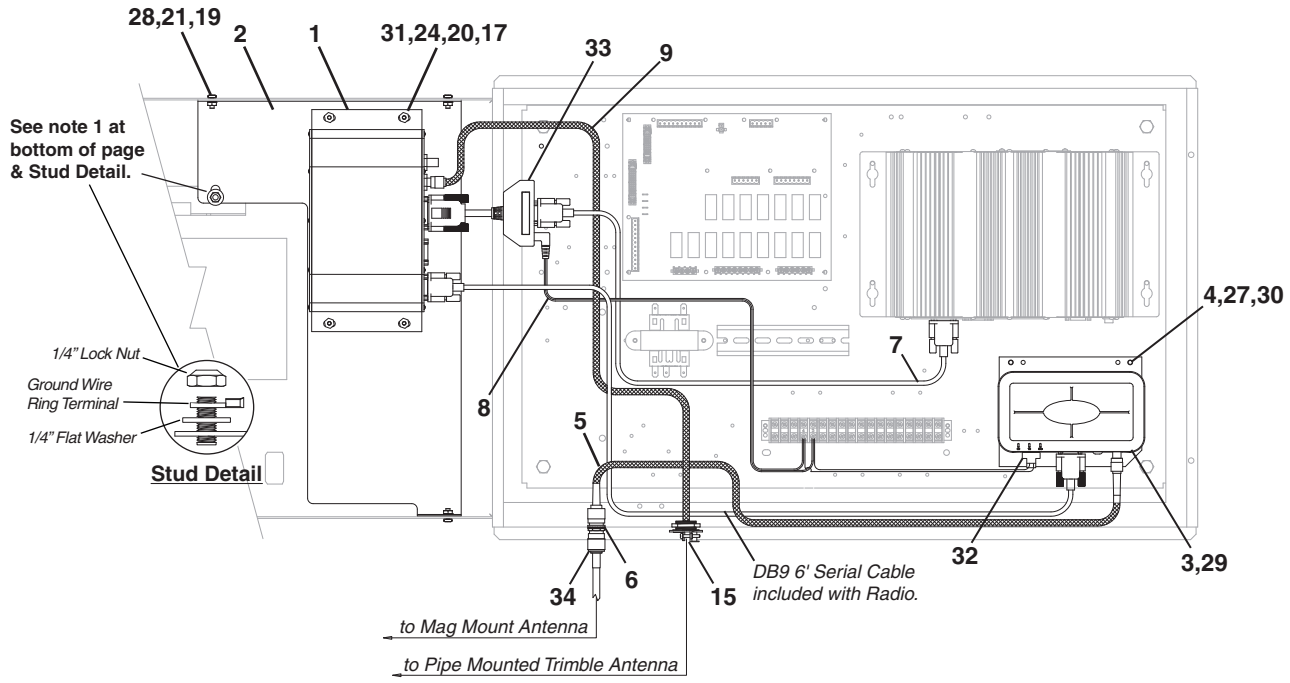
ITEM	DESCRIPTION	PART #
19	#8 Hex Nut w/External Tooth Lock Washer	0134059*
20	1/4" Lock Washer	0141009*
21	#8 Flat Washer - Stainless Steel	0142084*
22	5/8" Flat Washer	0142011*
23	5/16" Flat Washer	0142017*
24	1/4" Flat Washer	0142022*
25	5/16" x 1" Cap Screw	0161052*
26	5/8" x 1-3/4" Cap Screw	0161088*
27	#8 x 3/8" Cap Screw	0164110*
28	1/4" x 20mm Flat Screw - Allen Socket	0164234*
29	Cable - N Male to N Female - 15' Long	03E3126

***Trimble 900 MHz In-Panel Mount Hardware Kit KA01464**

[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	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 900 MHz	03E3061
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	GNSS Antenna Cable - 12'	03E3522
10	900 MHz Antenna	03E3528
11	AV33 L1/G1 Aviation Antenna	03E3605
12	Antenna Mount	03E3649
13	GPS SDU Bracket	9311745
14	Magnetic Antenna Mount	03E3521
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *
23	5/16" Flat Washer	0142017 *

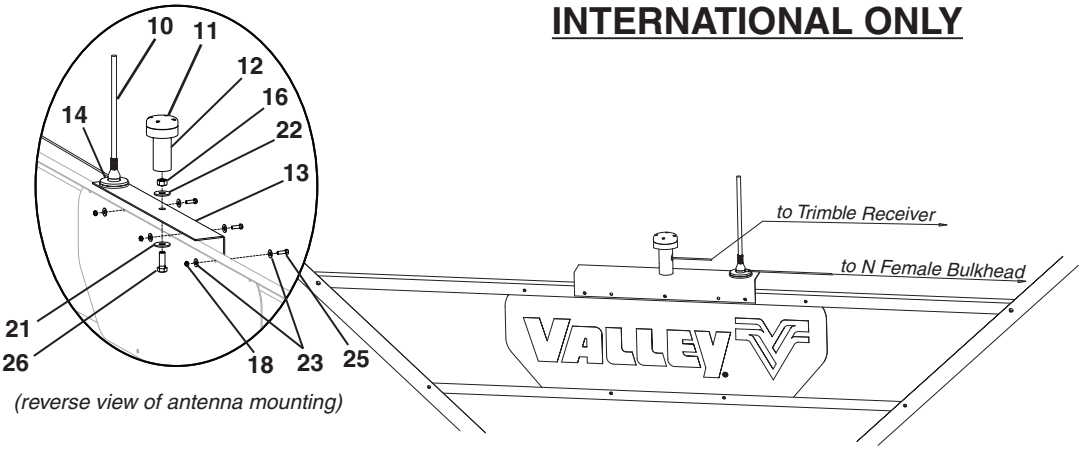
ITEM	DESCRIPTION	PART #
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
28	#8 x 3/8" Machine Screw	0164110 *
29	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
30	#12 x 1/2" Sheet Metal Screw	0164231 *
31	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
32	Power Input Connector	03E3905
33	Trimble Power Cable	03E3115
34	Cable - N Male to N Female - 15' Long	03E3126

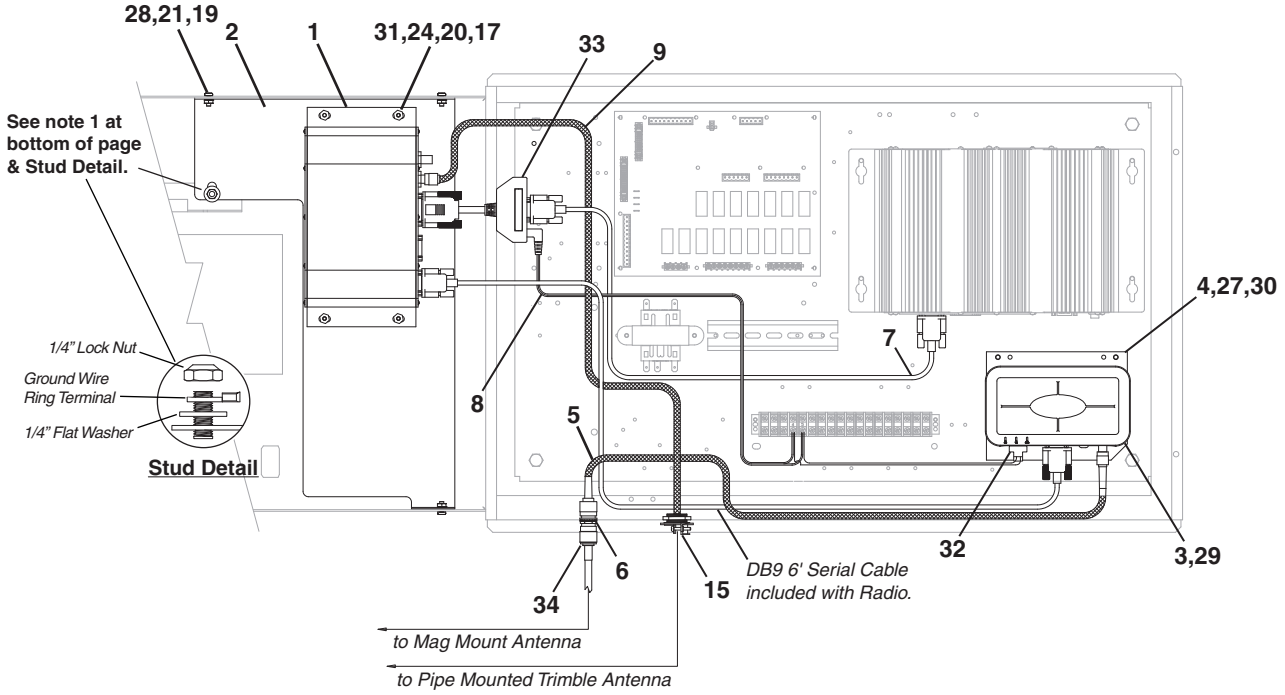
***Trimble Single Freq. Reference Hardware Kit KA01762**
(also included Black Wire Ties..03E2004 (not shown))
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Power Cable & Power Input Connector incl. with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).
[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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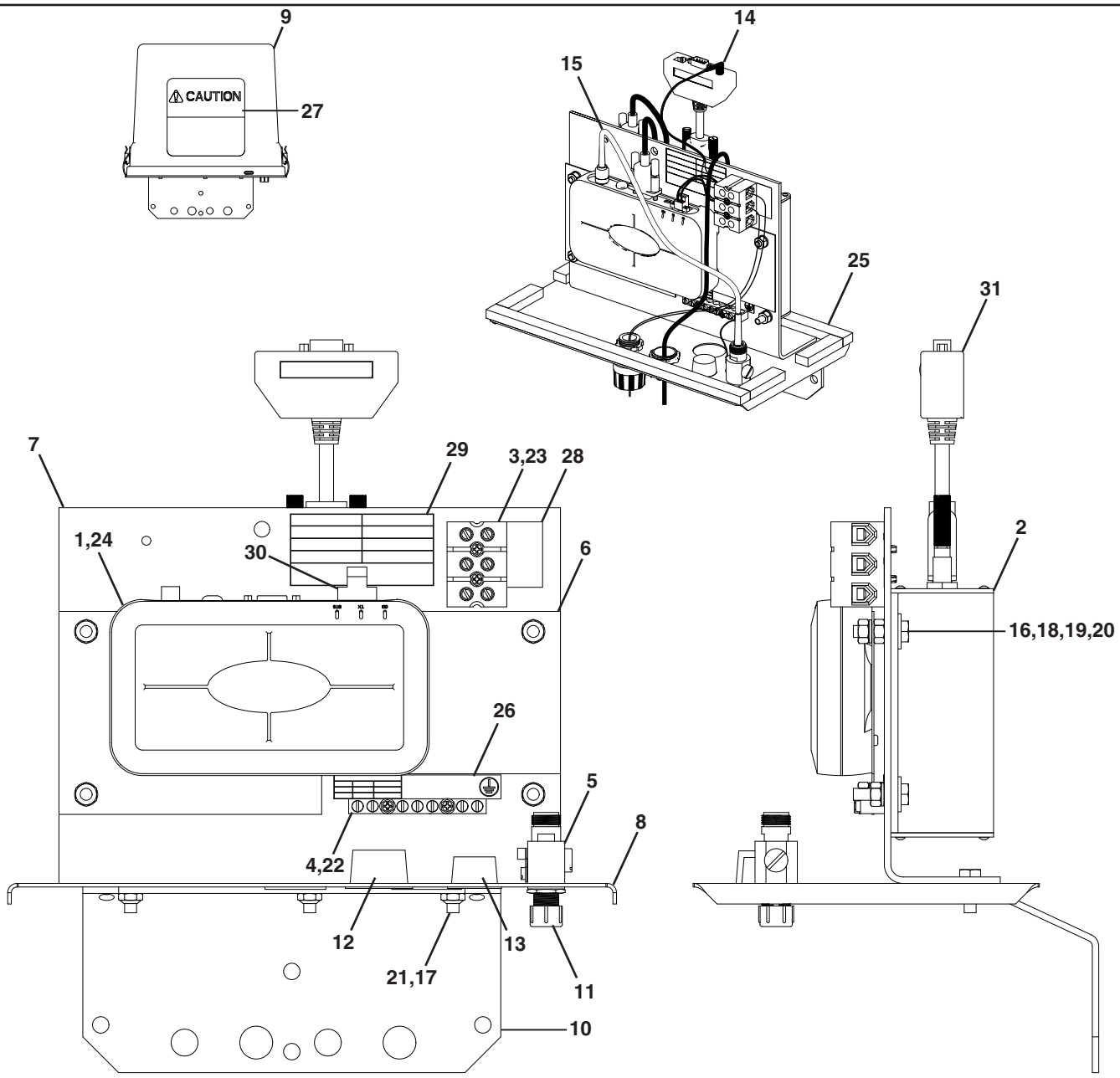
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 2.4 GHz	03E3915
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	GNSS Antenna Cable - 12'	03E3522
10	2.4 GHz Antenna	03E3916
11	AV33 L1/G1 Aviation Antenna	03E3605
12	Antenna Mount	03E3649
13	GPS SDU Bracket	9311745
14	Magnetic Antenna Mount	03E3521
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *

ITEM	DESCRIPTION	PART #
23	5/16" Flat Washer	0142017 *
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
28	#8 x 3/8" Machine Screw	0164110 *
29	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
30	#12 x 1/2" Sheet Metal Screw	0164231 *
31	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
32	Power Input Connector	03E3905
33	Trimble Power Cable	03E3115
34	Cable - N Male to N Female - 15' Long	03E3126

***Trimble 2.4 GHz Single Freq. Reference Hdwre. .... KA01886 (also included Black Wire Ties..03E2004 (not shown))**

NOTE: Power Cable & Power Input Connector incl. with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).
[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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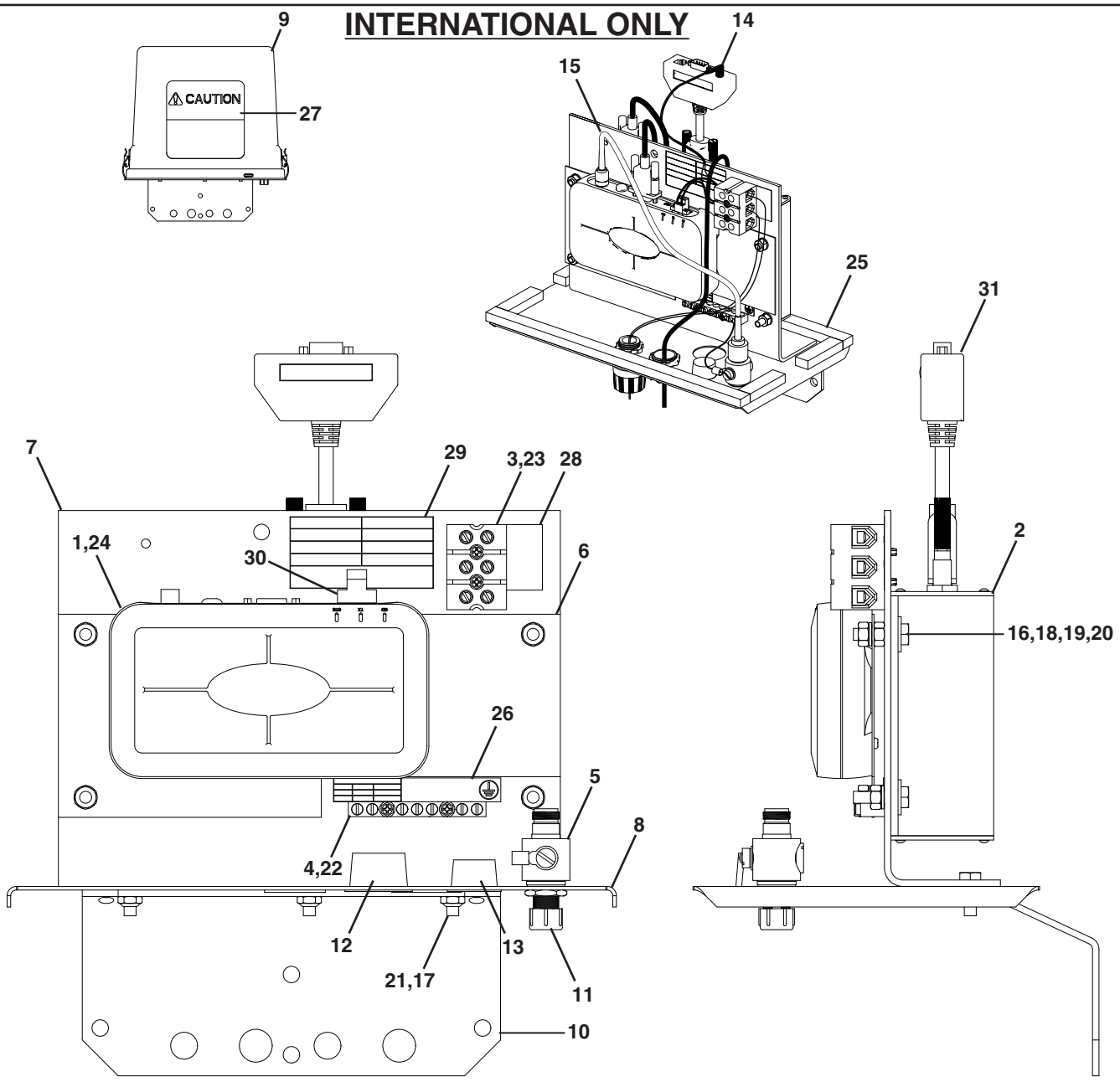


ITEM	DESCRIPTION	PART #
1	Freewave SSR RS232 TNC-F	03E3061
2	Single Frequency Receiver - Programmed	03E3650
3	Terminal Strip - 3 Term	0315121
4	Ground Lug - 7 Term.	0315120
5	Coaxial Surge Protector - 230V	03E3194
6	SSR Mounting Plate	9312377
7	Vertical Plate	9311889
8	Bottom Plate	9311884
9	Electrical Tower Box Cover - UL	9311146
10	Mounting Plate	1702054
11	Caplug - 5/8-24 Thread	0261057
12	14 Caplug - Red	0261012
13	12 Caplug	0261008
14	Power Plug - 2.1mm	03E2542
15	Antenna Jumper - N Male to SP-TNC Male	03E3539
16	1/4" Hex Nut	0131020
17	1/4" Lock Nut - Grade B	0133008

ITEM	DESCRIPTION	PART #
18	1/4" Lock Washer	0141009
19	1/4" Flat Washer	0142022
20	1/4" x 1" Cap Screw	0161056
21	1/4" x 3/4" Cap Screw - Grade 5	0161057
22	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
23	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
24	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
25	Tower Box Gasket Kit	0992071
26	Decal - Ground	0992925
27	Decal - Caution Disconnect Off and Locked	0998331
28	Decal - Trimble Power	0998337
29	Decal - Terminal Block Torque Copper Wire	0998450
30	Power Input Connector	03E3905
31	Trimble Power Cable	03E3115
	Single Frequency Receiver Station Assm.	1815214

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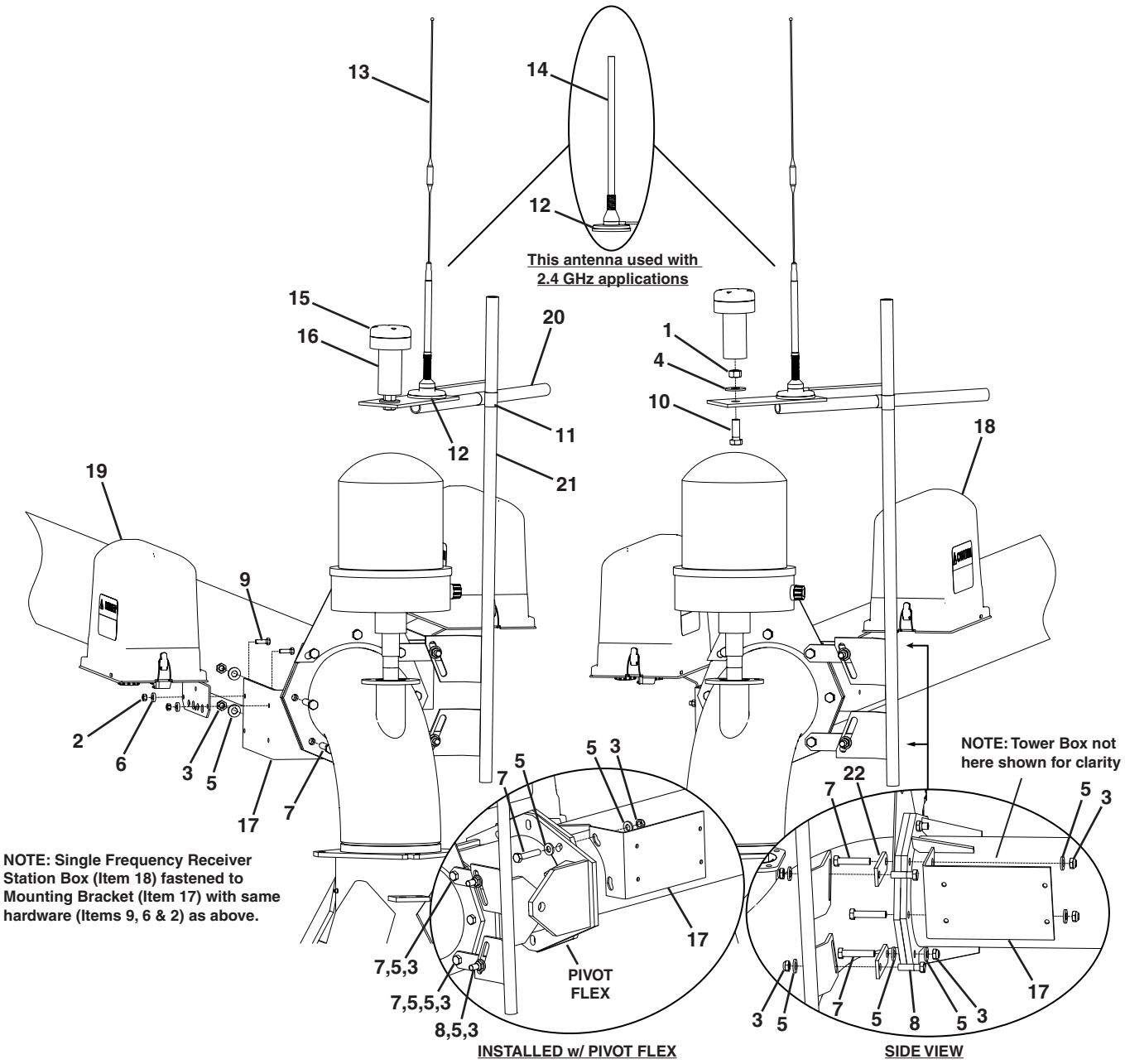
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ITEM	DESCRIPTION	PART #
1	Freewave SSR Radio - 2.4 GHz	03E3915
2	Single Frequency Receiver - Programmed	03E3650
3	Terminal Strip - 3 Term	0315121
4	Ground Lug - 7 Term.	0315120
5	Coaxial Surge Protector - N-Female for SSR	03E3063
6	SSR Mounting Plate	9312377
7	Vertical Plate	9311889
8	Bottom Plate	9311884
9	Electrical Tower Box Cover - UL	9311146
10	Mounting Plate	1702054
11	Caplug - 5/8-24 Thread	0261057
12	14 Caplug - Red	0261012
13	12 Caplug	0261008
14	Power Plug - 2.1mm	03E2542
15	Antenna Jumper - N Male to SP-TNC Male	03E3539
16	1/4" Hex Nut	0131020
17	1/4" Lock Nut - Grade B	0133008

ITEM	DESCRIPTION	PART #
18	1/4" Lock Washer	0141009
19	1/4" Flat Washer	0142022
20	1/4" x 1" Cap Screw	0161056
21	1/4" x 3/4" Cap Screw - Grade 5	0161057
22	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
23	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
24	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
25	Tower Box Gasket Kit	0992071
26	Decal - Ground	0992925
27	Decal - Caution Disconnect Off and Locked	0998331
28	Decal - Trimble Power	0998337
29	Decal - Terminal Block Torque Copper Wire	0998450
30	Power Input Connector	03E3905
31	Trimble Power Cable	03E3115
	Single Frequency Receiver Station Assm.	1815312

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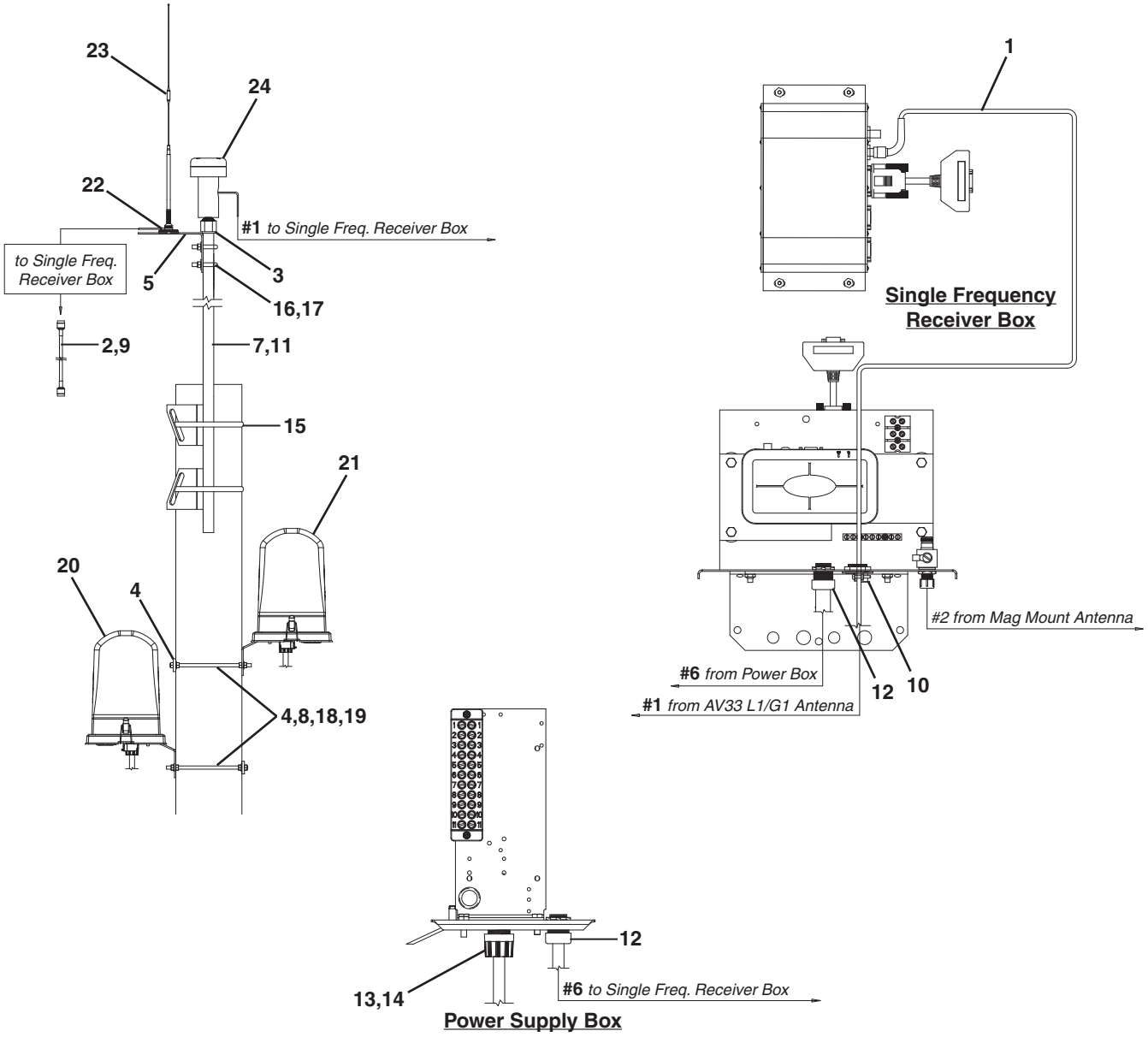


ITEM	DESCRIPTION	PART#
1	5/8" Hex Nut	0131009 *
2	5/16" Hex Nut	0131019 *
3	1/2" Lock Nut	0133005 *
4	5/8" Flat Washer - Wide	0142011 *
5	1/2" Flat Washer - Hardened	0142025 *
6	5/16" Flat Washer - Stainless Steel	0142095 *
7	1/2" x 2-1/2" Cap Screw	0161023 *
8	1/2" x 1-3/4" Cap Screw	0161029 *
9	5/16" x 1" Cap Screw	0161052 *
10	5/8" x 1-3/4" Cap Screw	0161088 *
11	Crossover Pipe Fitting - Kee Klamp	03E1516 *
12	Magnetic Antenna Mount	03E3521
13	900MHz Antenna	03E3528
14	2.4 GHz Antenna	03E3916

ITEM	DESCRIPTION	PART#
15	AV33 L1/G1 Aviation Antenna	03E3605
16	Antenna Mount	03E3649
17	Mounting Bracket - Tower Box to Flange	1704272
18	Single Frequency Receiver Station Assm	1815214
19	Power Box Assm. - 120 VAC in to 12VDC out	1815215
20	Antenna Mount - Horizontal	9364489
21	Antenna Mount - Vertical	9364490
22	Antenna Mount Link	9364495 *

* Single Frequency Pivot Point Reference Hdwre.....KA01763
(some parts from this kit shown on next page)
Magnetic Mount & 5db Omni Antenna Kit.....KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

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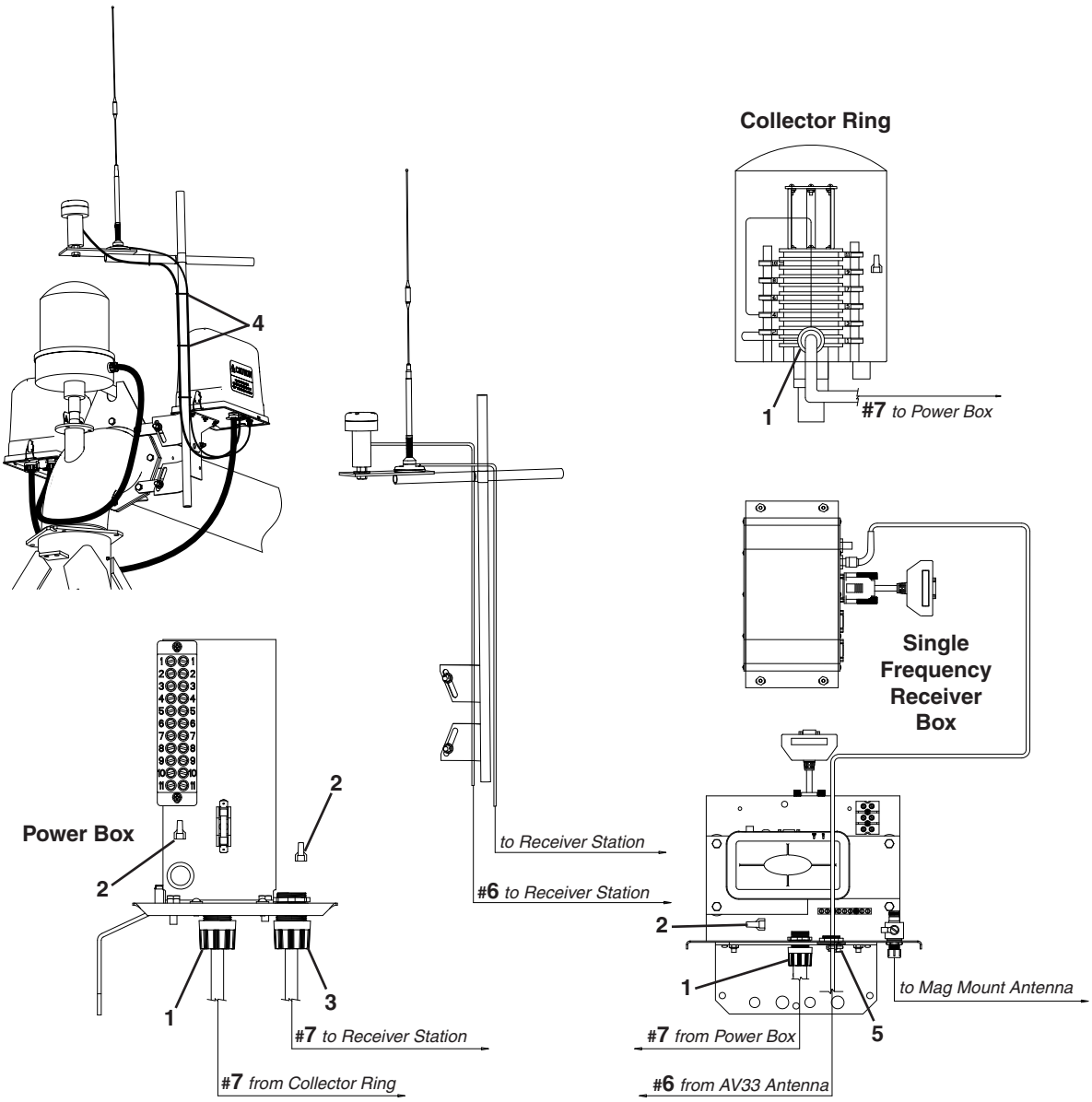
ITEM	DESCRIPTION	PART#
1	Coaxial Cable - Male to 90° Male	03E3114
2	Cable - SP-TNC Male to SP-TNC Female - 15'	03E3126
3	GPS Antenna Mount	9363922 *
4	Reference Station Mounting Bracket	9363561 *
5	Antenna Mount - Magnetic	9311890 *
6	Power Cable - 3 Cond. 14 Ga. - 10' Long	1813424 *
7	Running Light Bracket Assm.	1781544
8	5/16" Threaded Adjustment Rod	1731232 *
9	Self-Bonding Silicon Tape - Not Shown	0996553 *
10	3/4" Romax Cable Connector	03E3163 *
11	Wire Tie - Black - Not Shown	03E2004 *
12	Strain Relief Connector	0315502 *
13	Scotchlok Connector	0314151 *
14	Strain Relief Hub - .50"	0314119 *
15	Clamp - 42"	0271051 *

ITEM	DESCRIPTION	PART#
16	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064 *
17	5/16" Flat Washer - Stainless Steel	0142095 *
18	5/16" Flat Washer - Wide	0142017 *
19	5/16" Hex Nut	0131037 *
20	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
21	Single Frequency Receiver Station Assm	1815214
22	Magnetic Antenna Mount	03E3521
23	900MHz Antenna	03E3528
24	AV33 L1/G1 Aviation Antenna	03E3605

*** Single Freq. Ref. Station Mounting Hardware. Kit .. KA01760**
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Item 2 (Extension Cable 03E3126) used as required.

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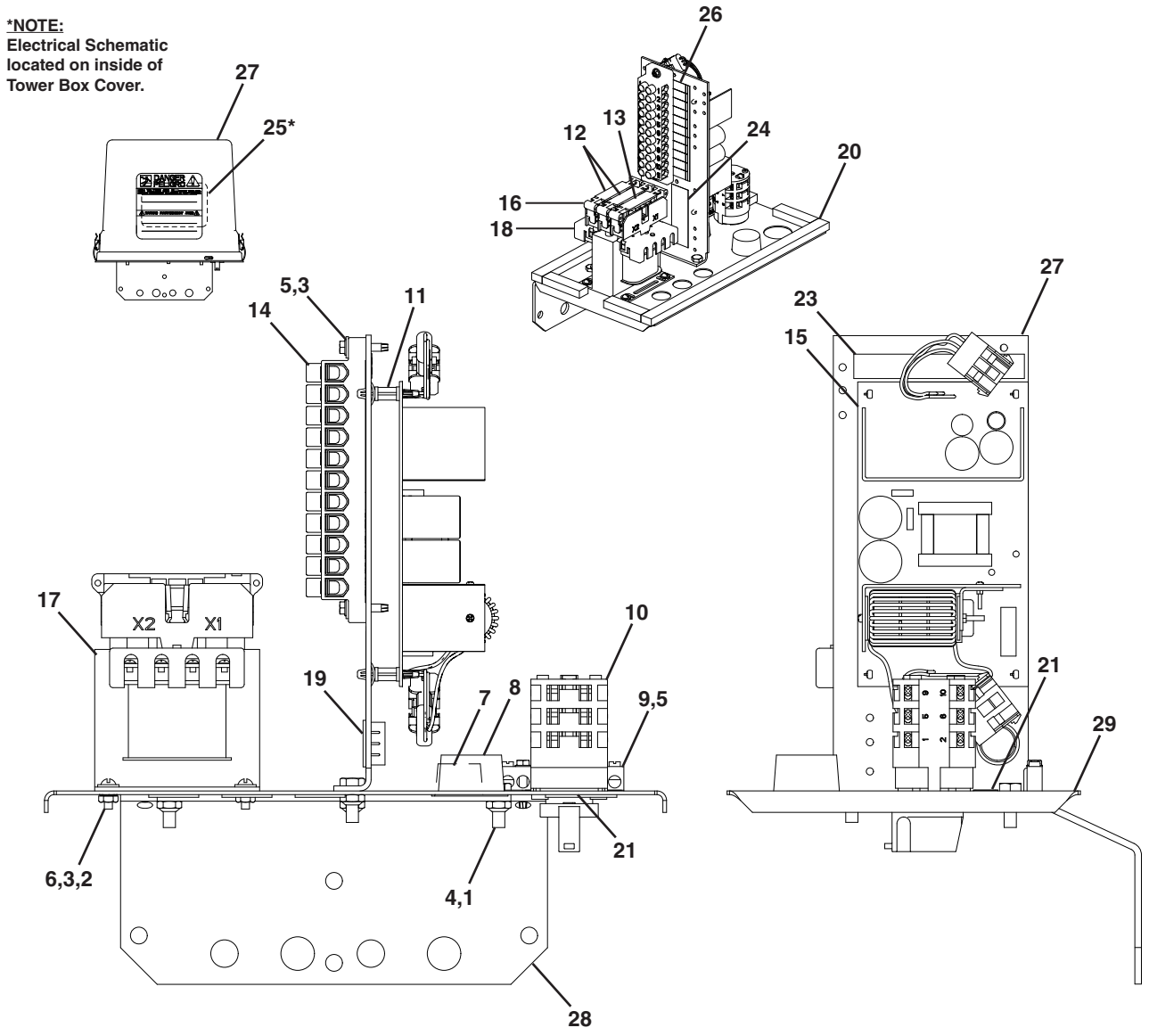


ITEM	DESCRIPTION	PART#
1	Strain Relief Hub - .5" Hub	0314119 *
2	Scotchlock Connector	0314151 *
3	Strain Relief Hub - 1" Hub	03E0287 *
4	Wire Tie - Black	03E2004 *
5	Cable Connector	03E3163 *
6	GNSS Antenna Cable	03E3522
7	Electrical Cable - 4 Cond. 14 Ga. 12' Long	1813611

* Single Frequency Pivot Point Reference Hdwre..... KA01763
(some parts from this kit shown on previous page)

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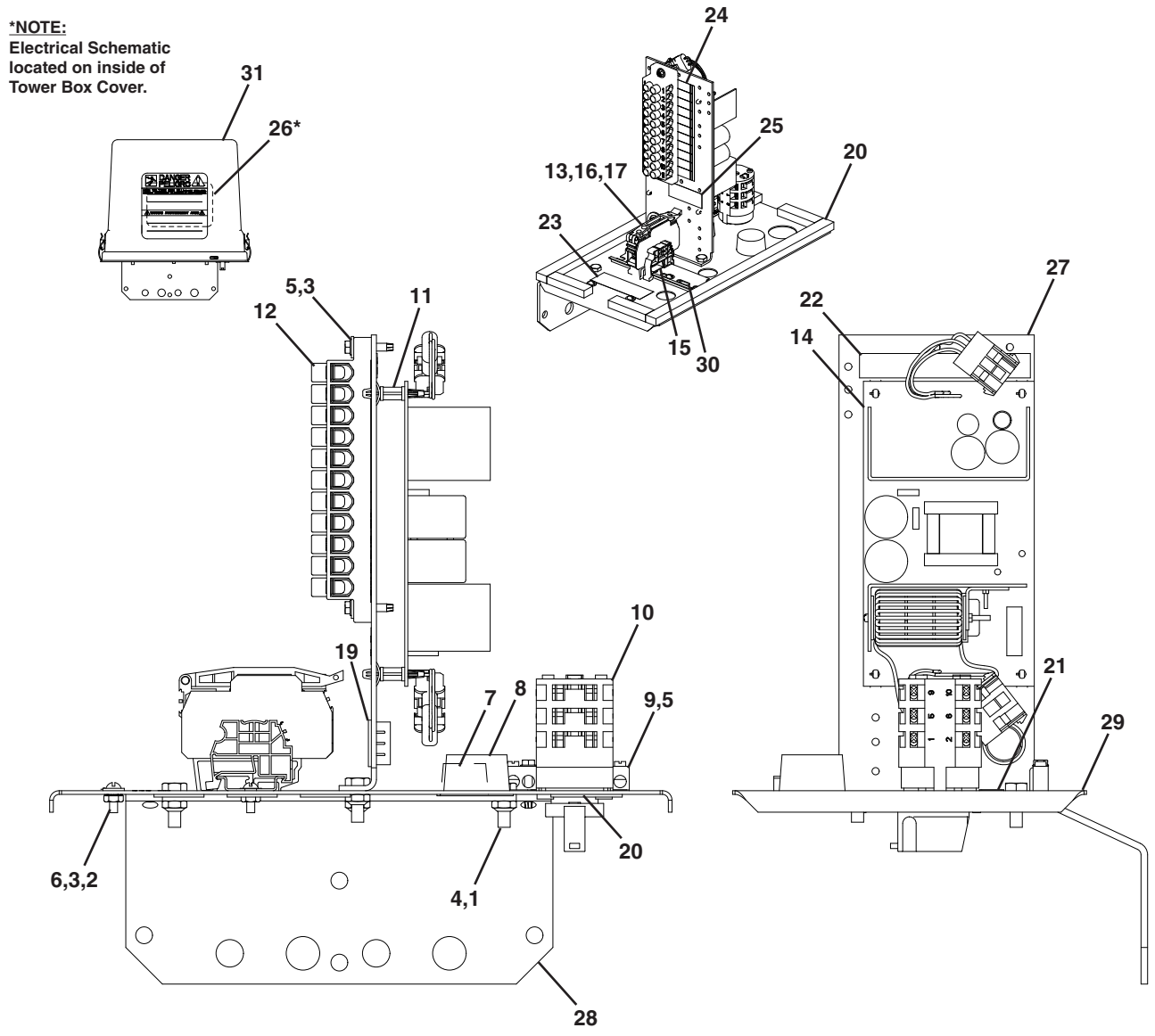
Functional Area	Assembly / Part	Rev# 08-17
Steering & Guidance	Power Box - 480/120 VAC In to 12VDC Out	



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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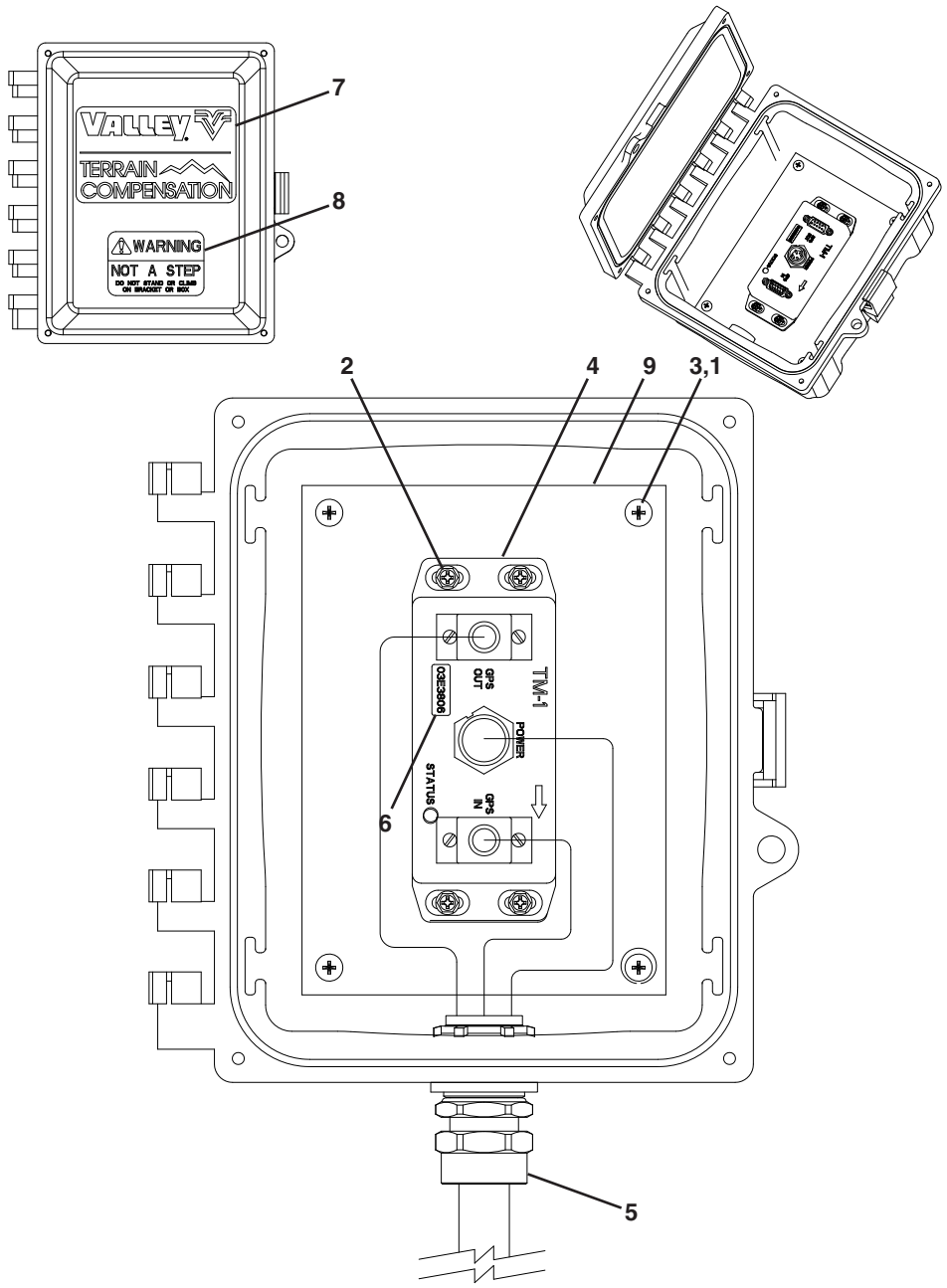


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	#8 Flat Washer - Stainless Steel	0142084
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Screw - Self-Tapping	0161356
6	#8 x 1/2" Screw - RH	0164042
7	Caplug 12	0261008
8	Caplug 15x	0261010
9	Ground Lug	0315120
10	Disconnect Switch - 6 Pole	0315746
11	Circuit Board Spacer - Snap-in	03E0412
12	Terminal Block - 11 Term 600V	03E1899
13	Time Delay Fuse - 2 Amp 250V	03E2315
14	Power Supply - 12V	03E2809
15	Din Rail End Stop	03E2996
16	Din Rail Mount Fuse Block	03E2997
17	Fuse Block Cover	03E2998

ITEM	DESCRIPTION	PART #
18	Snap Bushing	0992070
19	Gasket Kit	0992071
20	Decal - Disconnect	0992090
21	Decal - Ground	0992925
22	Decal - Copper Wire ONLY	0994836
23	Decal - 3R Enclosure Decal	0996403
24	Decal - Terminal Strip	0997954
25	Decal - Fuse	0998110
26	Decal - Electrical Schematic	0999116
27	Vertical Component Bracket	1702053
28	Mounting Plate	1702054
29	Bottom Plate	1704173
30	Din Rail Mount Channel - 4.90" Long	9310693
31	Tower Box Cover - UL	9311146
	Power Box Assm. - 120 VAC in to 12VDC out	1815215

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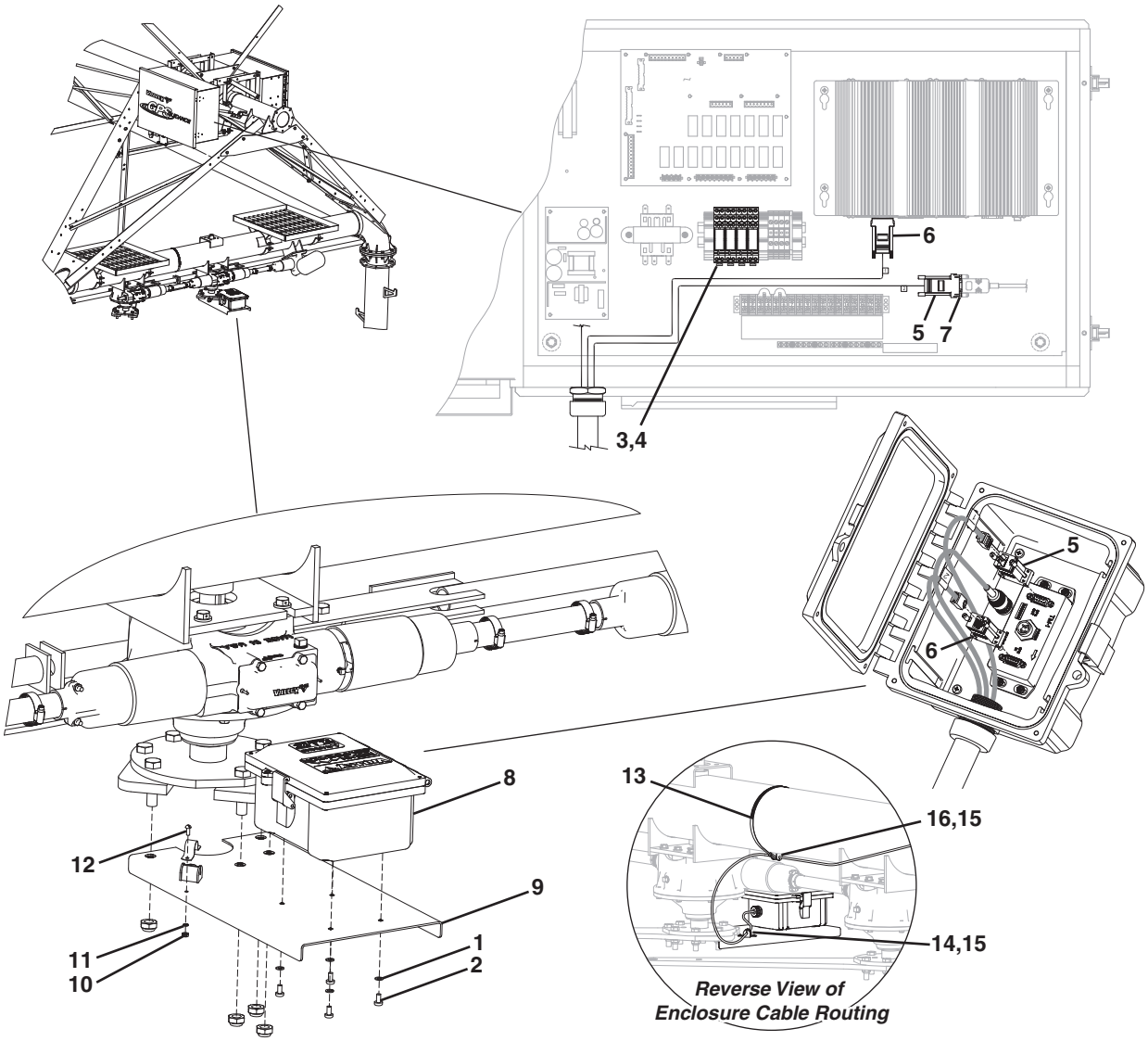
ONLY used on Corners with GPS Guidance



ITEM	DESCRIPTION	PART #
1	#10 Lock Washer	0141065
2	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
3	#10 x 3/8" Pan Head Screw - Phillips Head Stainless Steel	0164250
4	Terrain Compensation Module - Programmed	03E3806
	Terrain Compensation Module - Programmed (High Profile)	03E3946
5	Terrain Compensation Enclosure Cable Assm.	03E4127
6	Decal - 03E3806	0999412
	Decal - 03E3946 (High Profile)	0999810
7	Decal - Terrain Compensation	0999435
8	Decal - Terrain Compensation Warning	0999436
9	Module Plate	9312434
	Terrain Compensation Enclosure Assm.	1815272
	Terrain Compensation Enclosure Assm. (High Profile)	1815326

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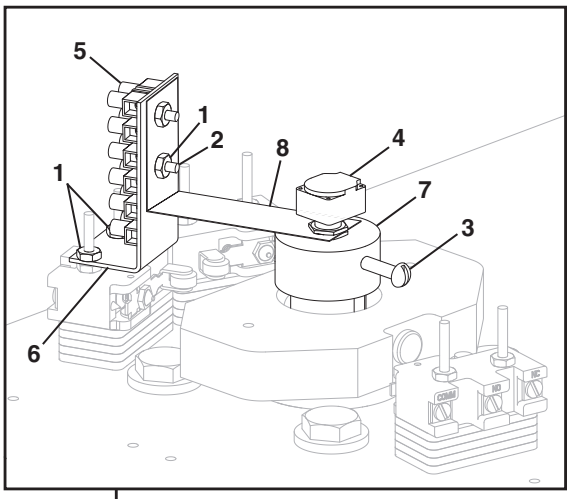
ONLY used on Corners with GPS Guidance

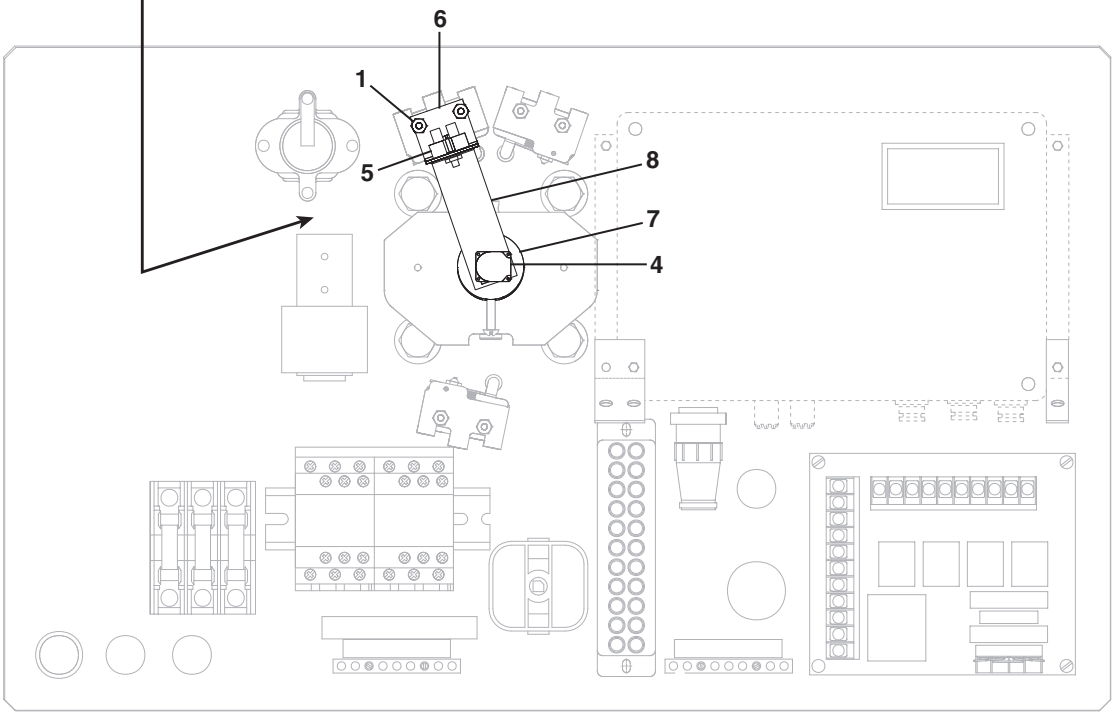


ITEM	DESCRIPTION	PART #
1	1/4" Lock Washer - Stainless Steel	0141023 *
2	1/4" x 1/2" Pan Head Screw - Phillips Head - S.S.	0164251 *
3	PCB Mount Relay - 120 VAC 5A DPDT	03E2230 *
4	Dinrail Adapter - PCB Relay	03E2231 *
5	Connector - DB9 Male to RJ45 Female	03E2444 *
6	Connector - DB9 Female to RJ45 Female	03E3541 *
7	Standoff - 4-40 UNC-2B Female/Female	03E3757 *
8	Terrain Compensation Enclosure Assm.	1815272 *[1]
	Terrain Compensation Enclosure Assm. (H.P.)	1815326 *[1]
9	Terrain Compensation Enclosure Mounting Brkt.	9312426
10	#10 Hex Nut	0131055 *
11	#10 Lock Washer	0141065 *
12	#10 x 1/2" Screw	0164096 *
13	Hydraulic Tube Clamp - 42" Long	0271051 *
14	1/2" 2-Hole Clamp	03E4095 *
15	Isolator Cushion - 3/8" I.D.	03E4096 *
16	Hydraulic Hose Clamp	1750318 *
	Terrain Compensation Installation Kit	KA01872
	Terrain Compensation Installation Kit (H.P.)	KA01998

*NOTE: Items included in their respective Installation Kits.
[1]NOTE: See previous page for Enclosure Assm. details.

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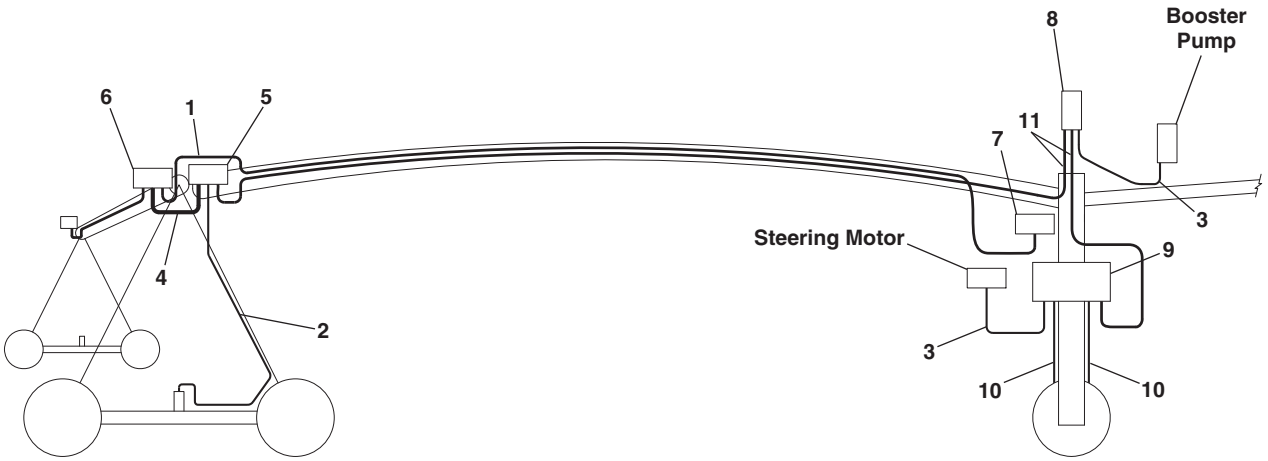


ITEM	DESCRIPTION	PART #
1	#6-32 Nut	0134027
2	#6 x 1/2-32 RH Screw	0164065
3	#10 x 1-1/4-24 RH Screw	0164136
4	Rotary Position Sensor Assm.	03E2023
5	Terminal Strip - 6 Terminal Mini-Strip	03E2102
6	Steer Wheel Angle Sensor Anchor	03E2821
7	Steer Wheel Angle Sensor Hub	03E2832
8	Sensor Arm Bracket	9313076

Corner GPS Guidance Sensor Mounting Hardware Kit KA01399

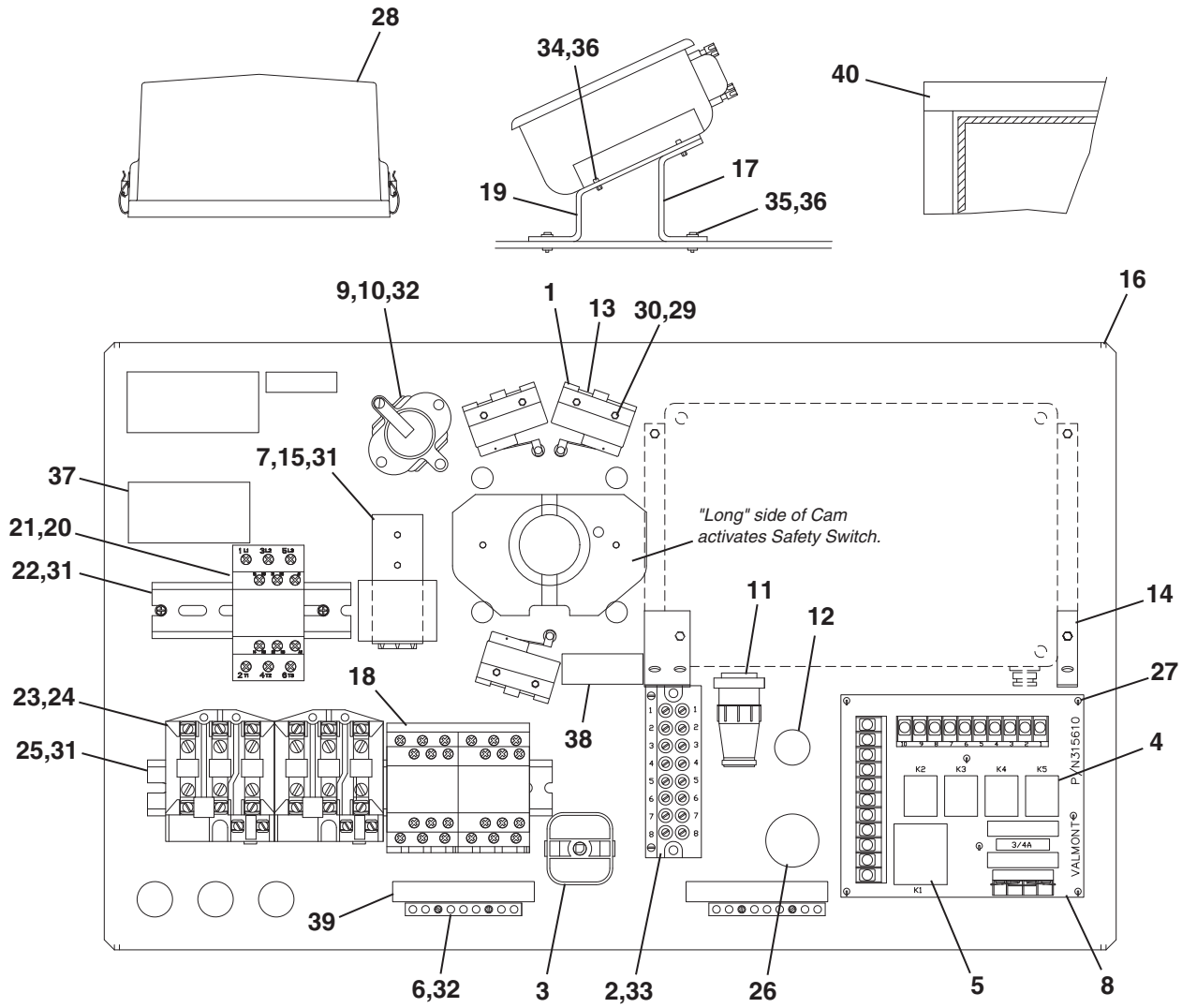
NOTE: Kit includes 1-1/2 Amp Fuse (not pictured)..... 0314858

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ITEM	DESCRIPTION	PART #
1	Electrical Cable - 15 Cond. 14 Ga. (202'-0")[61.56m]	9311975
	Electrical Cable - 15 Cond. 14 Ga. (222'-0")[67.66m]	9311976
2	Electrical Cable - 4 Cond. 14 Ga. (26'-10")[8.17m] (Std. Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (32'-0")[9.75m] (High Profile)	1731102
3	Electrical Cable - 4 Cond. 14 Ga. (9'-3")[2.81m]	1811129
4	Electrical Cable - 12 Cond. 10 Ga. (8'-0")[2.43m]	1814370
	- 12 Cond. 8 Ga. (8'-0") [2.43m]	1814760
5	Run Cycle Box	1814996
6	Sequencing Cam Box - 185'[56.38m] Span	1815015
	Sequencing Cam Box - 205'[62.48m] Span	1814355
7	Solenoid Valve Box w/o Lid	9310588
8	Booster Pump Box	1811600
9	Swing Tower Box	9311131
10	Electrical Cable - 4 Cond. 14 Ga. (20'-6")[6.24m] (Std. Profile)	1812008
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (High Profile)	1812547
11	Electrical Cable - 11 Cond. 10 Ga. (220'-0")[67.05m] (185'[56.38m] Span)	1810482
	- 11 Cond. 10 Ga. (240'-0")[73.15m] (205'[62.48m] Span)	9311977
	- 11 Cond. 8 Ga. (220'-0")[67.05m] (185'[56.38m] Span)	9311949
	- 11 Cond. 8 Ga. (240'-0")[73.15m] (205'[62.48m] Span)	9311978
	- 12 Cond. 10 Ga. (220'-0")[67.05m] (185'[56.38m] Span)	1813103
	- 12 Cond. 10 Ga. (240'-0")[73.15m] (205'[62.48m] Span)	9311979
	- 12 Cond. 8 Ga. (220'-0")[67.05m] (185'[56.38m] Span)	9311955
	- 12 Cond. 8 Ga. (240'-0")[73.15m] (205'[62.48m] Span)	9311981

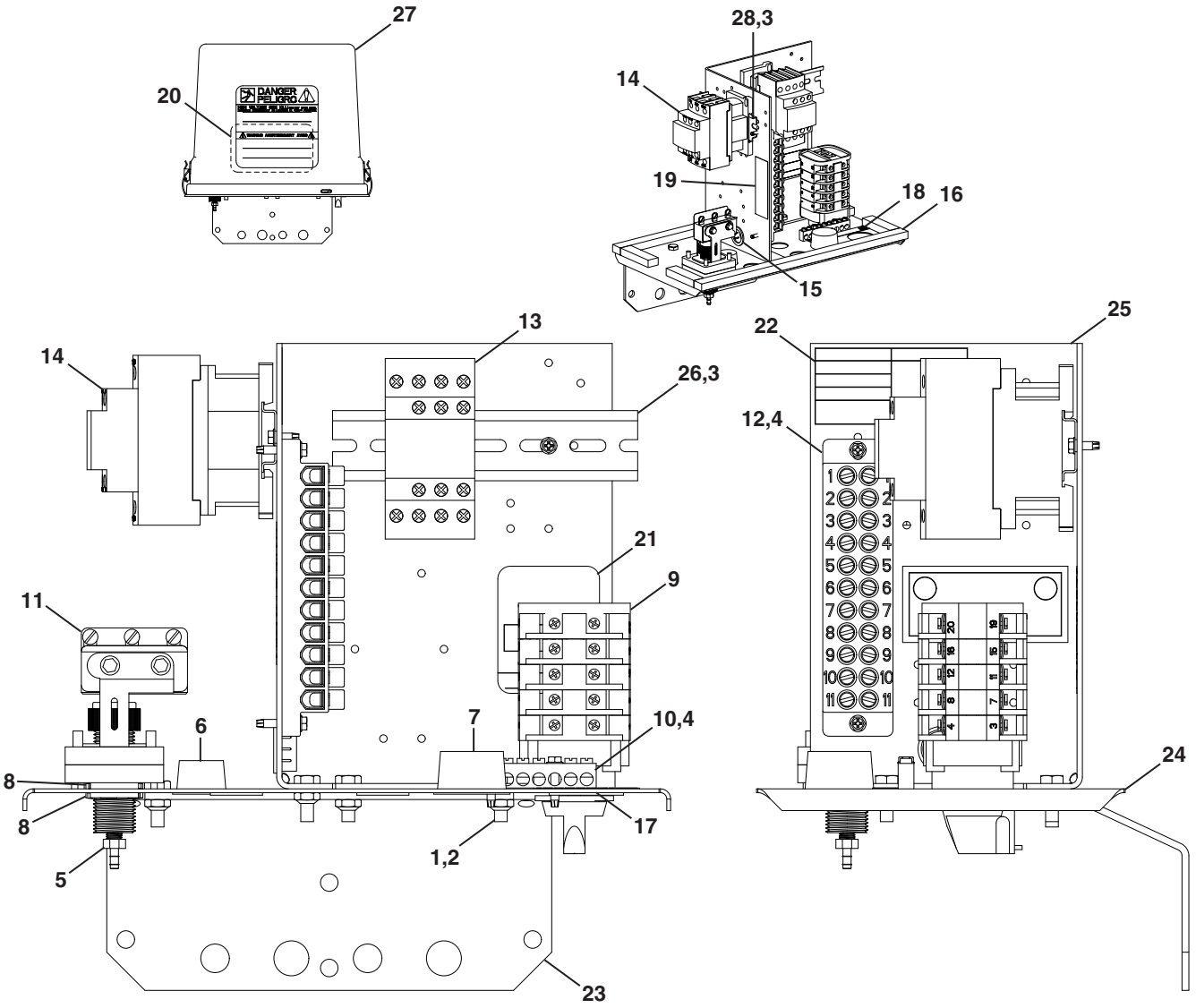
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ITEM	DESCRIPTION	PART#
1	Microswitch	03E0307
2	Terminal Block	0315122
3	Power Disconnect	0314540
4	Relay - 120 V	0314610
5	Relay - 120 V AC	0314936
6	Ground Lug - 7 Terminal	0315120
7	Lightning Arrestor	0315605
8	Receiver Protection P.C.B	0315610
9	Backlite Cleat Receptacle	0315619
10	Space Heater	0315620
11	Wiring Harness	0315629
12	Strain Relief Bushing	0315480
13	Insulator Block	1701632
14	Receiver Bracket Brace	1702339
15	Electronic Lightning Arrestor Bracket	1702384
16	Swing Tower Box Bottom Plate	9311144
17	Receiver Bracket Brace	9360808
18	Reversing Contactor	03E2333
19	Receiver Bracket	1702338
20	Suppressor	03E3546
21	3 Pole Contactor - 25A 120V (Boxed)	03E3785
22	Din Rail Mount Channel - 4.90" Long	9310693
23	3 Pole Overload Relay - Compact	03E1421

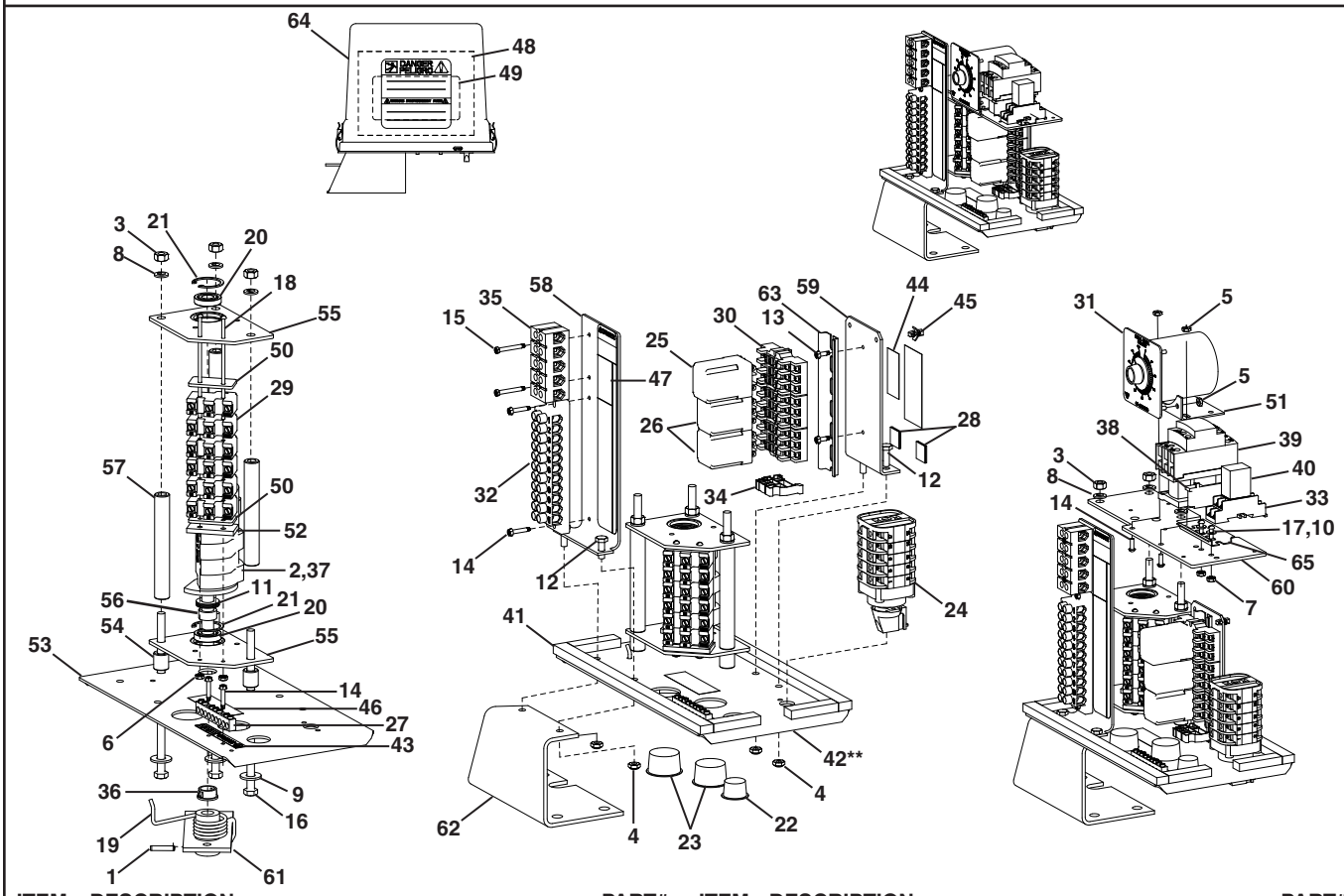
ITEM	DESCRIPTION	PART#
24	Heater	0314753
25	Din Rail Mount Channel - 10" Long	9311133
26	Strain Relief Hub	0314466
27	Circuit Board Spacer - Snap-in	03E0412
28	Swing Tower Box Cover	1750812
29	#6 Hex Nut	0134027
30	#6 x 2-1/4" Machine Screw - Round Head	0164090
31	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
32	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
33	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
34	#8 x 3/4" Machine Screw - Round Head	0164041
35	#8 x 1/2" Machine Screw - Round Head	0164042
36	#8 Hex Nut	0134023
37	Decal - Terminal Block Torque Copper Wire	0998450
38	Decal - UL Power Supply	0994149
39	Decal - Ground	0992925
40	Gasket Kit	0992691
	Decal - Swing Tower Box Wiring Schematic (Decal not shown, is shipped w/Box Assm. and field installed)	0999210
	Swing Box Assm. (Corner Track & Roller Conv.) (Less Receiver)	9311131

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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 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	MFL Connector - Tube to Male Pipe	0232362
6	12 Caplug	0261008
7	15X Caplug	0261010
8	1/2" Romax Nut	0314160
9	Power Disconnect - 10 Pole	0314540
10	Ground Lug - 7 Terminal	0315120
11	Pressure Switch - E1S-H15-Q52 Barks	0315994
12	Terminal Block - 11 Terminal - 600V	03E1899
13	4 Pole Contactor - 40 Amp 120V	03E3542
14	3 Pole Contactor - 25A 120V (Boxed)	03E3785
15	Snap Bushing	0992070
16	Gasket Kit	0992071
17	Decal - Disconnect	0992090
18	Decal - Ground	0992925
19	Decal - 3R Enclosure Decal	0996403
20	Decal - Electrical Schematic	0997150
21	Decal - Electrical Specifications	0997164
22	Decal - Terminal Block Torque Copper Wire	0998450
23	Tower Box Mounting Plate	1702054
24	Bottom Plate	1702391
25	Booster Pump Control Plate	1702392
26	Din Rail Mount Channel - 6.00" Long	9310608
27	Electrical Tower Box Cover - UL	9311146
28	Din Rail Mount Channel - 4.25" Long	9312350
	Booster Pump Assm. - Corner Machine	1811600

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ITEM	DESCRIPTION	PART#
1	3/16" x 1" Roll Pin	0111038
2	1/8" x 7/16" Roll Pin	0111046
3	5/16" Hex Nut	0131019
4	1/4" Lock Nut	0133008
5	#8 Hex Nut	0134023
6	#6 Hex Nut w/ External Tooth Lock Washer	0134058
7	#8 Hex Nut w/ External Tooth Lock Washer	0134059
8	5/16" Lock Washer	0141008
9	5/16" Flat Washer - Wide	0142017
10	#8 Flat Washer - Stainless Steel	0142084
11	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
12	1/4" x 3/4" Cap Screw	0161057
13	#8 x 1/2" Self Tapping Screw - Phillips Head	0161355
14	#8 x 7/8" Self Tapping Screw - Phillips Head	0161356
15	#8 x 1-1/4" Self Tapping Screw - Phillips Head	0161357
16	5/16" x 7" Cap Screw	0161433
17	#8 x 1/2" Screw - R.H.	0164042
18	#6-32 x 5" Screw - R.H.	0164233
19	Spring	0181066
20	Ball Bearing	0191075
21	Retaining Ring - 1-3/16" Bore	0257023
22	12 Caplug	0261008
23	15X Caplug	0261010
24	Power Disconnect - 10 Pole	0314540
25	Relay - 120V AC	0314815
26	Relay - 3DPT 120V AC	0314936
27	Ground Lug - 7 Terminal	0315120
28	Wire Tie Holder - Self-Adhesive	03E0046
29	Microswitch - Minimum Travel	03E0307
30	Relay Socket - 3 DPT 11 Pin Blade	03E1650
31	Percent Timer - 60 Sec.	03E1802
32	Terminal Block - 11 Terminal 600V	03E1899
33	Relay Socket - 2 Pole 10A 300V	03E2107
34	Din Rail End Stop	03E2996
35	Terminal Strip - 5 Terminal	03E3168

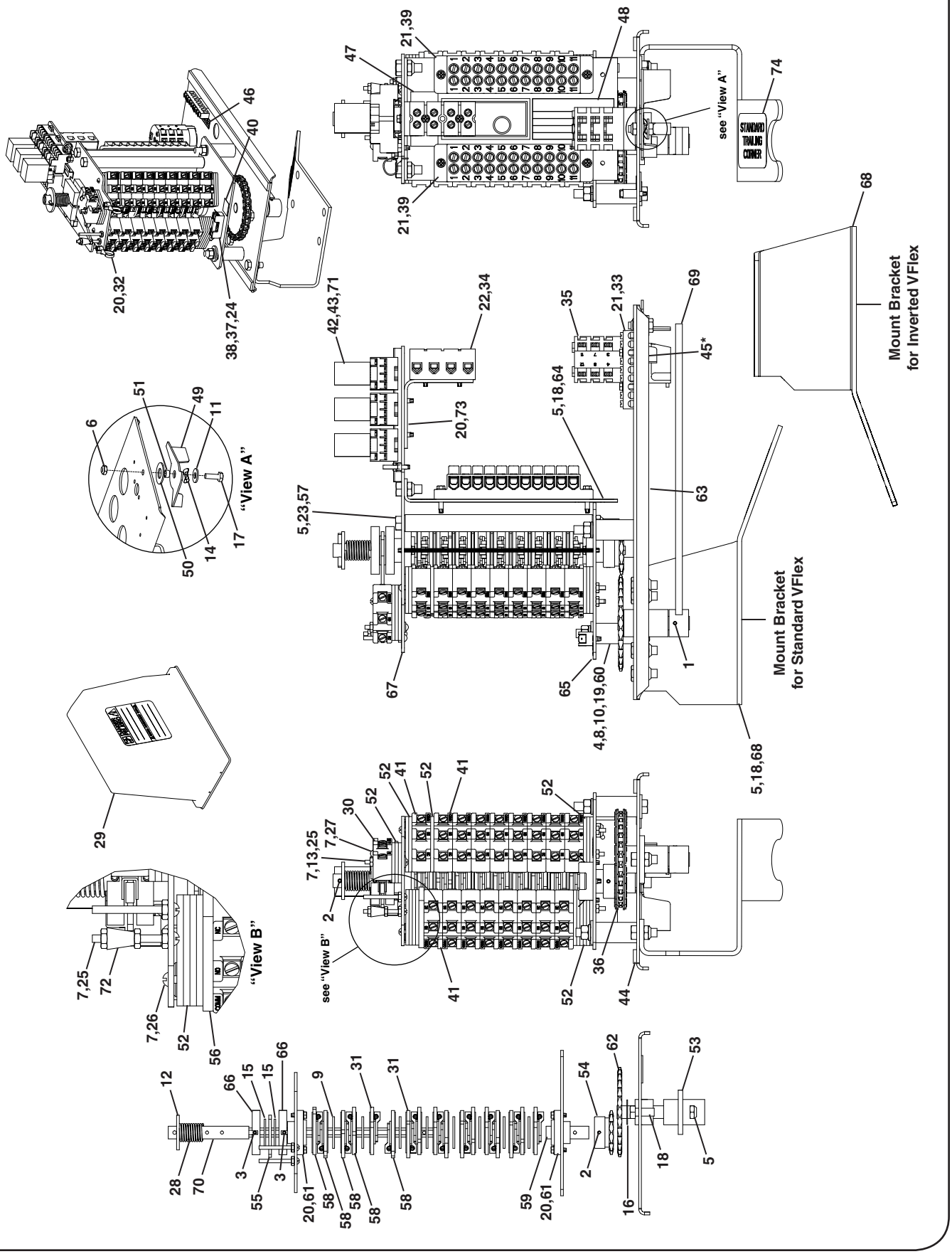
ITEM	DESCRIPTION	PART#
36	1/2" Grommet	03E3169
37	Cam - Black	03E3170
38	Suppressor	03E3546
39	3 Pole Contactor - 25A 120V (Boxed)	03E3785
40	Relay w/ Indicator - DPDT 120VAC	03E4197
41	Gasket Kit	0992071
42	Disconnect Decal	0992090
43	Ground Decal	0992925
44	Power Supply Decal - UL	0994149
45	Wire Tie Holder - Nylon	0994494
46	Decal - 3R Enclosure	0996403
47	Decal - Field Wiring	0998313
48	Decal - Electrical Schematic	0998314
49	Decal - Part Identifier	0998315
50	Sensor Base Insulator	1701632
51	Percentage Timer Bracket	1750504
52	CAM Spacer	1750722
53	Bottom Plate	1751083
54	Standoff - Short	1751084
55	Bearing Plate	1751087
56	Cam Bushing	1751088
57	Standoff - Long	1751089
58	Terminal Strip Plate - Formed	1751090
59	Mounting Plate	1751091
60	Top Plate	1751092
61	Alignment Sensor Set Assm.	1751098
62	Mounting Bracket	1751367
63	Din Rail Mount Channel - 6" Long	9310608
64	Electrical Tower Box Cover - UL	9311146
65	Din Rail Mount Channel - 3.00" Long	9312251
	Run Cycle Box Assm. - T-Bar Cradle	1814996
	* Corner GPS Guidance LRDU Parts Kit	KA01397

** Decal positioned on underside of Bottom Plate.

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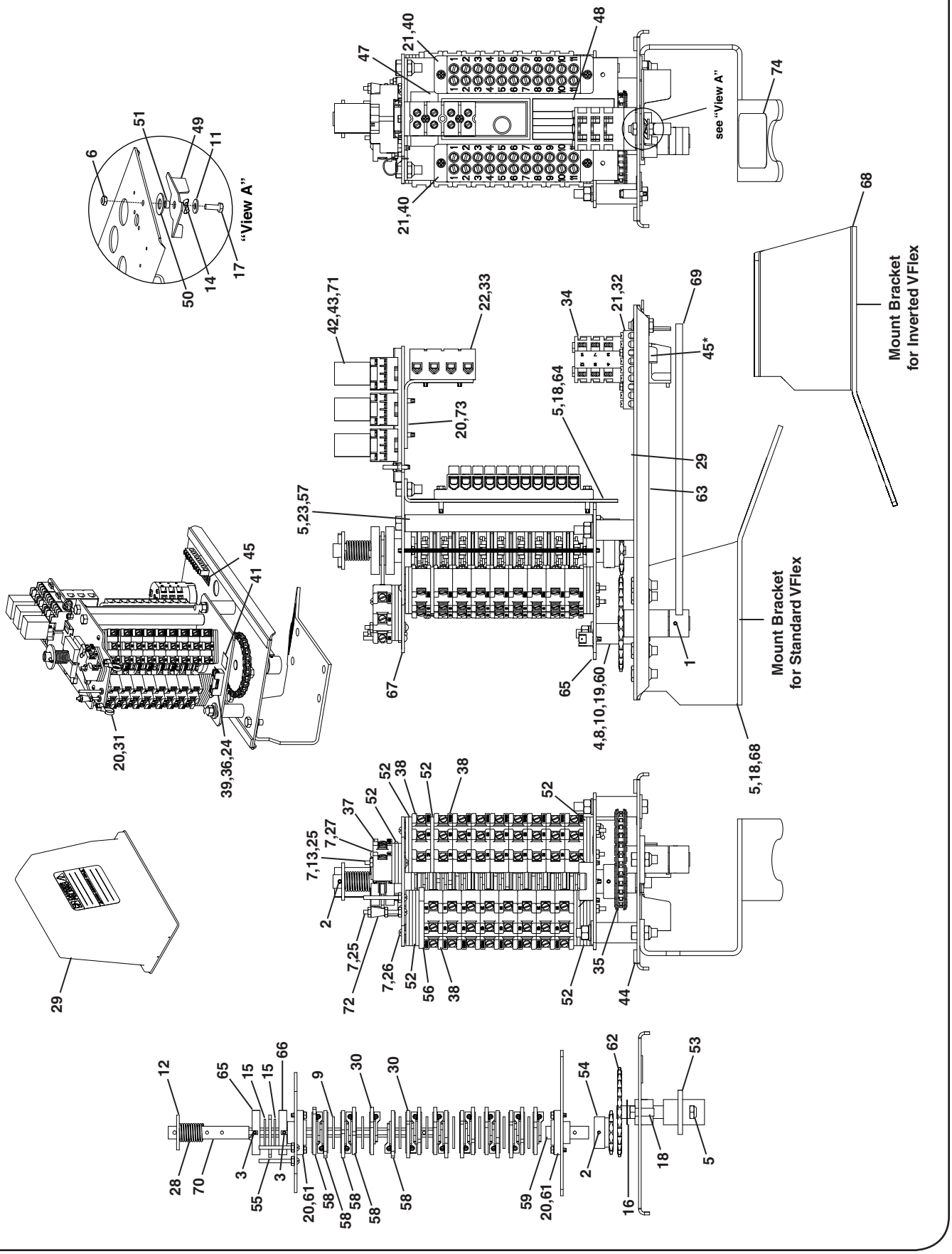
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ITEM	DESCRIPTION	PART#
1	1/8" x 1" Roll Pin	0111024
2	1/8" x 1-1/4" Spring Pin	0111036
3	1/8" x 1-1/2" Spring Pin	0111041
4	5/16" Hex Nut	0131019
5	5/16" Lock Nut	0133007
6	1/4" Lock Nut	0133008
7	#6 Hex Nut	0134027
8	5/16" Lock Washer	0141008
9	9/16" Flat Washer - Stainless Steel	0141062
10	5/16" Flat Washer - Wide	0142017
11	1/4" Flat Washer - Wide	0142022
12	1/2" Flat Washer - Wide	0142026
13	#6 Flat Washer	0142074
14	3/8" x 3/4" O.D. Wave Washer	0143030
15	Washer - .062 x .522 x 1.062 Plastic	0143037
16	Washer - .030 x .510 x .968 Stainless Steel	0143047
17	1/4" x 3/4" Cap Screw	0161057
18	5/16" x 3/4" Cap Screw	0161076
19	5/16" x 2-1/2" Cap Screw - Full Thread	0161123
20	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
21	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
22	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
23	5/16" x 7-3/4" Cap Screw	0161388
24	#8 x 3/8" Screw - Phillips	0161412
25	#6 x 1-1/2" Screw - Round Head	0164058
26	#6 x 7-1/2" Screw - Round Head	0164164
27	#6 x 8-1/2" Screw - Round Head	0164165
28	Spring	0181064
29	Electrical Box Cover - Tall	1701418**
30	Microswitch - Minimum Travel	03E0307
31	Adjustable Cam	0314630
32	Wire Tie	0314793
33	Ground Lug - 7 Terminal	0315120
34	Terminal Strip - 4 Terminal	0315571
35	Power Disconnect - 6 Pole	0315746
36	Chain - 35 Links Stainless Steel	0322020
37	Fuse Block	03E0070
38	Fuse - 2 Amp	03E1669
39	Terminal Block - 11 Terminal 600V	03E1899
40	Decal - Fuse Holder 2.0 Amps	03E2463
41	Microswitch - Wide Lever Minimum Travel	03E3086
42	Relay - 4-Pole 4PDT 50/60 Hz 120VAC	0314610
43	Relay Socket - 4-Pole	0314611
44	Scotch Foam Tape	0991197
45	Decal - Disconnect	0992090*
46	Decal - Ground	0992925
47	Decal - Circuit Supply UL 120V	0994147
48	Decal - Terminal Block Torque Copper Wire	0998450
49	Tower Box Latch - Cam	1701244
50	Washer - Sensor Arm	1701269
51	Bushing & Spacer	1701270
52	Sensor Base Insulator	1701632
53	Hub Mount Assm. - E.O.F. Stop	1731385
54	Cam Sprocket Assm. - 13 Tooth	1750290
55	Cam Selector Control	1750392
56	Cam Spacer	1750722
57	Standoff - Cam Assm.	1750862
58	Cam - Over/Under Ext.L	1750863
59	Bushing - Short	1750865
60	Standoff - Sequencing Box	1750866
61	Hub	1750867
62	Sprocket Assm. - 28 Tooth	1750873
63	Bottom Plate - Sequencing Box	1750878
64	Terminal Strip Bracket	1750881
65	Bottom Plate - Solenoid	1750883
66	Cam Selector Guide	1750884
67	Solenoid Plate Guide - Extended	1751015
68	Mount Bracket - Standard VFlex	1751028
	Mount Bracket - Inverted VFlex	1751318
69	Control Bar Assm.	1751032
70	Hex Shaft Assm.	1751284
71	Din Rail Mount Channel - 4.90" Long	9310693
72	Adjusting Cone	9313066
73	Mounting Plate - 3 Pole Terminal Strip	9361823
74	Decal - Standard Corner Seq. CAM Box Ident.	0998326
	Decal - Inverted Corner Seq. CAM Box Ident.	0999685

* NOTE: Decal positioned on underside of Bottom Plate.
** NOTE: Electrical Box Cover (1701418) not incl. in assembly.

SEQUENCING CAM BOX OPTIONS		
DESCRIPTION	STANDARD	INVERTED
Seq. Cam Box Assm. - 185'[56.38m] Span w/ 82'[24.99m] O.H.	1815015	1815300
Seq. Cam Box Assm. - 205'[62.48m] Span w/ 82'[24.99m] O.H.	1814355	1815298

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ITEM	DESCRIPTION	PART#
1	1/8" x 1" Roll Pin	0111024
2	1/8" x 1-1/4" Spring Pin	0111036
3	1/8" x 1-1/2" Spring Pin	0111041
4	5/16" Hex Nut	0131019
5	5/16" Lock Nut	0133007
6	1/4" Lock Nut	0133008
7	#6 Hex Nut	0134027
8	5/16" Lock Washer	0141008
9	9/16" Flat Washer - Stainless Steel	0141062
10	5/16" Flat Washer - Wide	0142017
11	1/4" Flat Washer - Wide	0142022
12	1/2" Flat Washer - Wide	0142026
13	#6 Flat Washer	0142074
14	3/8" x 3/4" O.D. Wave Washer	0143030
15	Washer - .062 x .522 x 1.062 Plastic	0143037
16	Washer - .030 x .510 x .968 Stainless Steel	0143047
17	1/4" x 3/4" Cap Screw	0161057
18	5/16" x 3/4" Cap Screw	0161076
19	5/16" x 2-1/2" Cap Screw - Full Thread	0161123
20	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
21	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
22	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
23	5/16" x 7-3/4" Cap Screw	0161388
24	#8 x 3/8" Screw - Phillips	0161412
25	#6 x 1-1/2" Screw - Round Head	0164058
26	#6 x 7-1/2" Screw - Round Head	0164164
27	#6 x 8-1/2" Screw - Round Head	0164165
28	Spring	0181064
29	Electrical Box Cover - Tall	1701418**
30	Adjustable Cam	0314630
31	Wire Tie	0314793
32	Ground Lug - 7 Terminal	0315120
33	Terminal Strip - 4 Terminal	0315571
34	Power Disconnect - 6 Pole	0315746
35	Chain - 35 Links Stainless Steel	0322020
36	Fuse Block	03E0070
37	Microswitch - Minimum Travel	03E0307
38	Microswitch - Minimum Travel - Wide Lever	03E3086
39	Fuse - 2 Amp	03E1669
40	Terminal Block - 11 Terminal 600V	03E1899
41	Decal - Fuse Holder 2.0 Amps	03E2463
42	Relay - 4-Pole 4PDT 50/60 Hz 120VAC	0314610
43	Relay Socket - 4-Pole	0314611
44	Scotch Foam Tape	0991197
45	Decal - Disconnect	0992090*
46	Decal - Ground	0992925
47	Decal - Circuit Supply UL 120V	0994147
48	Decal - Terminal Block Torque Copper Wire	0998450
49	Tower Box Latch - Cam	1701244
50	Washer - Sensor Arm	1701269
51	Bushing & Spacer	1701270
52	Sensor Base Insulator	1701632
53	Hub Mount Assm. - E.O.F. Stop	1731385
54	Cam Sprocket Assm. - 13 Tooth	1750290
55	Cam Selector Control	1750392
56	Cam Spacer	1750722
57	Standoff - Cam Assm.	1750862
58	Cam - Over/Under Ext.L	1750863
59	Bushing - Short	1750865
60	Standoff - Sequencing Box	1750866
61	Hub	1750867
62	Sprocket Assm. - 28 Tooth	1750873
63	Bottom Plate - Sequencing Box	1750878
64	Terminal Strip Bracket	1750881
65	Bottom Plate - Solenoid	1750883
66	Cam Selector Guide	1750884
67	Solenoid Plate Guide - Extended	1751015
68	Mount Bracket - Standard VFlex	1751028
	Mount Bracket - Inverted VFlex	1751318
69	Control Bar Assm.	1751032
70	Hex Shaft Assm.	1751284
71	Din Rail Mount Channel - 4.90" Long	9310693
72	Adjusting Cone	9313066
73	Mounting Plate - 3 Pole Terminal Strip	9361823
74	Decal - Standard Corner Seq. CAM Box Ident.	0998326
	Decal - Inverted Corner Seq. CAM Box Ident.	0999685

* NOTE: Decal positioned on underside of Bottom Plate.
** NOTE: Electrical Box Cover (1701418) not incl. in assembly.

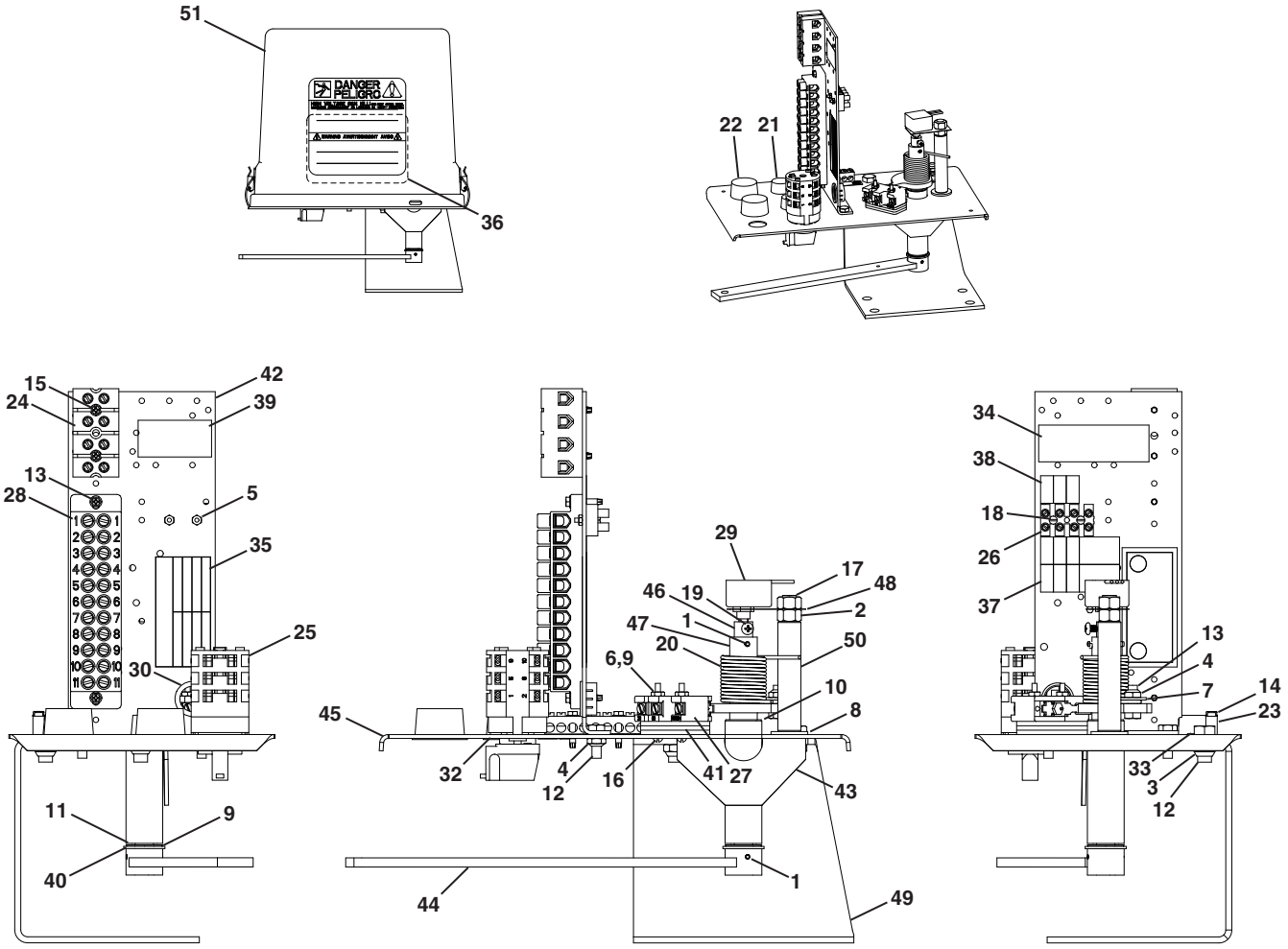
SEQUENCING CAM BOX OPTIONS		
DESCRIPTION	STANDARD	INVERTED
Seq. Cam Box Assm. - 218'[66.44m] Span w/ 82'[24.99m] O.H.	1815171	1815299

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Functional Area
Electrical Detail

Assembly / Part
Angle Sensor Tower Box

Rev# 04-19

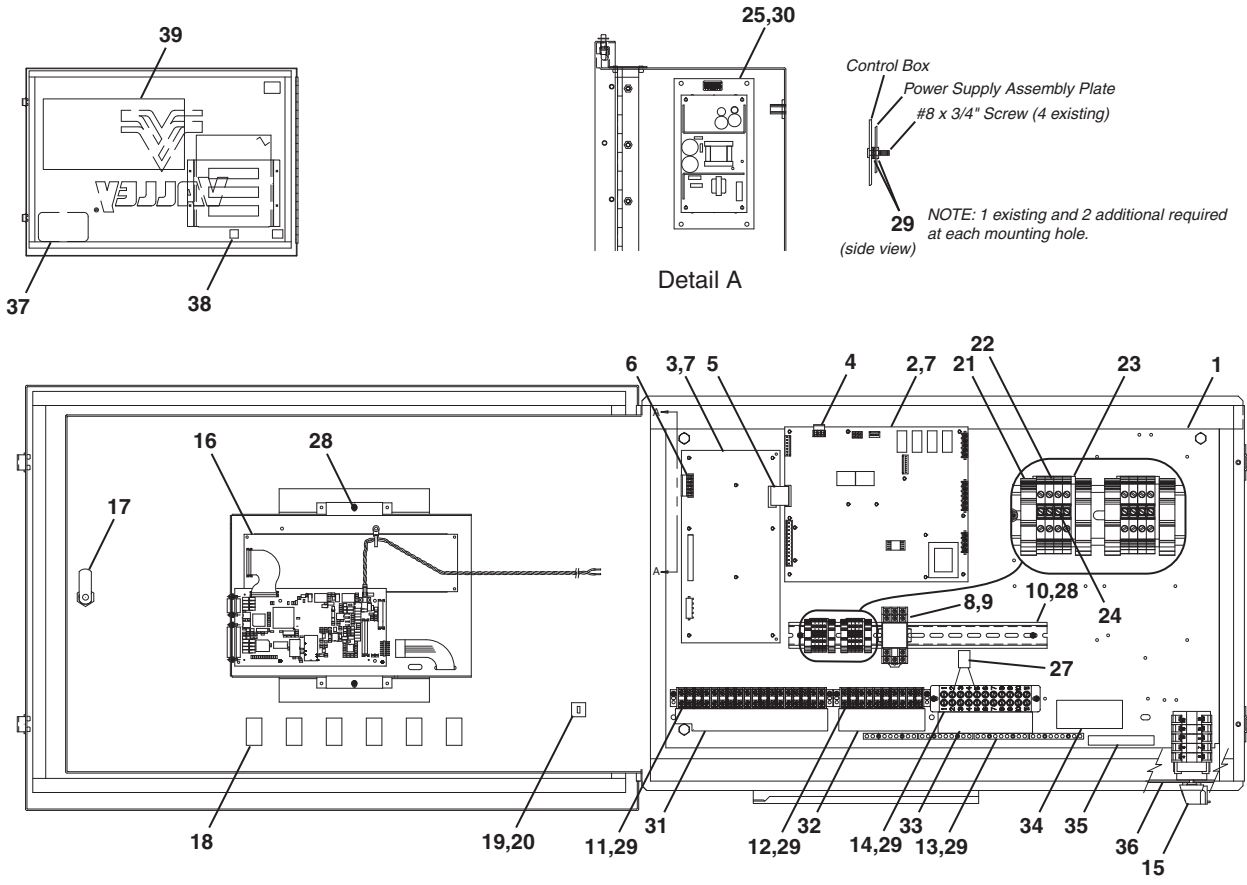


ITEM	DESCRIPTION	PART#
1	1/8" x 1" Roll Pin	0111024
2	3/8" Hex Nut	0131018
3	3/8" Lock Nut - Grade B	0133006
4	1/4" Lock Nut - Grade B	0133008
5	#4 Nut	0134040
6	#6 Hex Nut w/External Tooth Lockwasher	0134058
7	1/4" Flat Washer - Wide	0142022
8	3/8" Flat Washer	0142031
9	#6 Flat Washer	0142074
10	Washer - .030 x .510 x .968 - Stainless Steel	0143047
11	Washer - .010 x .512 x .996 - Stainless Steel	0143066
12	3/8" x 3/4" Cap Screw	0161046
13	1/4" x 3/4" Cap Screw - Grade 5	0161057
14	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
15	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
16	#6 x 1-1/2" Screw - R.H.	0164058
17	3/8" 4" Cap Screw - Grade 8	0164153
18	#4 x 5/8" Pan Head Screw - Slotted	0164184
19	8-32 x 3/8" Pan Head Screw - Stainless	0164245
20	Spring - Angle Sensor	0181099
21	12 Caplug	0261008
22	15X Caplug	0261010
23	Ground Lug - 7 Terminal	0315120
24	Terminal Strip - 4 Terminal	0315571
25	Power Disconnect - 6-Pole	0315746
26	Terminal Strip, Resolver - 4 Position	03E0047
27	Microswitch - Minimum Travel	03E0307
28	Terminal Block - 11 Terminal 600V	03E1899

ITEM	DESCRIPTION	PART#
29	Rotary Position Sensor Assm.	03E2023
30	Snap Bushing	0992070
31	Gasket Kit (not shown)	0992071
*32	Disconnect Decal	0992090*
33	Ground Decal	0992925
34	Decal - 3R Enclosure	0996403
35	Decal - Terminal Block Torque Copper Wire	0998450
36	Decal - Angle Sensor Wiring Schematic	0998622
37	Decal - Angle Sensor Potentiometer Field Wiring	0999231
38	Decal - Angle Sensor Potentiometer Wiring	0999232
39	Decal - Circuit Supply	0999394
40	Sensor Arm Washer	1701269
41	Sensor Base Insulator	1701632
42	Vertical Component Bracket	1702053
43	Sensor Bearing w/ Bushing Assm.	1703336
44	Control Bar Track & Roller Conversion Assm.	1751032
45	Angle Sensor Box Bottom Plate	1751253
46	Angle Sensor Box - Shaft	1751254
47	Angle Sensor Box - CAM Assm.	1751257
48	Angle Sensor Box - Potentiometer Bracket	1751259
49	Angle Sensor Tower Box Mounting Bracket	1751282
50	Angle Sensor Tower Box - Stand-Off	1751283
51	Electrical Tower Box Cover - UL	9311146
	Angle Sensor Tower Box Assm.	1815157

*NOTE: Decal positioned on underside of Bottom Plate.

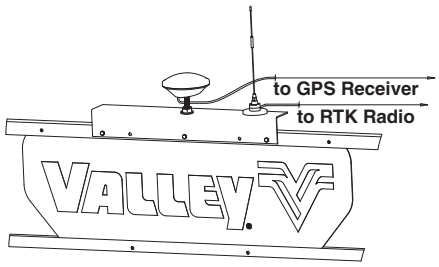
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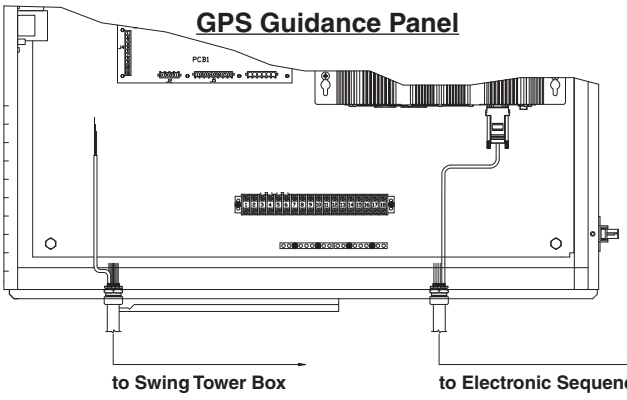
ITEM	DESCRIPTION	PART#
1	Control Box Backpanel	9310459
2	VFlex Corner STB - P1.00	03E3482
3	Corner I/O PCB	03E2028
4	Terminal Strip Plug - 3-Pole	03E2038
5	Interconnect - 20 Conductor	03E1978
6	Terminal Strip Plug - 6-Pole	03E3167
7	Snap-In Circuit Board Spacer	03E0412
8	Relay - 3PDT 120V AC	0314936
9	Relay Socket	03E1650
10	Dinrail - 13.75" Long	9311015
11	Terminal Strip - 18 Terminal	03E1561
12	Terminal Strip - 10 Terminal	03E1649
13	Ground Lug	0315120
14	Terminal Strip - 11 Terminal	0998890
15	Disconnect Switch	0314540
16	VFlex Sequencing Module - P1.00	03E3602
17	Cabinet Lock	0991370
18	Dummy Rocker Switch Mount	03E1719
19	Self-Adhesive Wire Tie Holder	03E0046
20	Plastic Cable Tie	03E1605
21	End Bracket Dinrail Mount	03E2996

ITEM	DESCRIPTION	PART#
22	Terminal Block Dinrail Mount	03E2994
23	Terminal Block End Cover Dinrail Mount	03E2995
24	4-Pole Terminal Block Jumper Dinrail Mount	03E2999
25	Power Supply Assm. - 12V	9312295
26	Corner Sequencing Enclosure Assm.	9312298
27	Suppressor	03E2232
28	#8 x 1/2" Self Tapping Screw - Phillips Head	0161355
29	#8 x 7/8" Self Tapping Screw - Phillips Head	0161356
30	#8 Hex Nut	0134023
31	Decal - Corner Sequence 18 Pole Terminal Strip	0998888
32	Decal - Corner Sequence 10 Pole Terminal Strip	0998889
33	Decal - Corner Sequence 11 Pole Terminal Strip	0998890
34	Decal - Terminal Block Torque / Copper Wire	0998450
35	Decal - Ground Lug	0992925
36	Decal - Disconnect	0992090
37	Decal - Warning, Water Entry Prevention	0996074
38	Decal - "CE" European Communities	0994639
39	Decal - Corner Sequencing Panel Schematic	0998892
	Corner Sequencing Panel Assm.	9312301

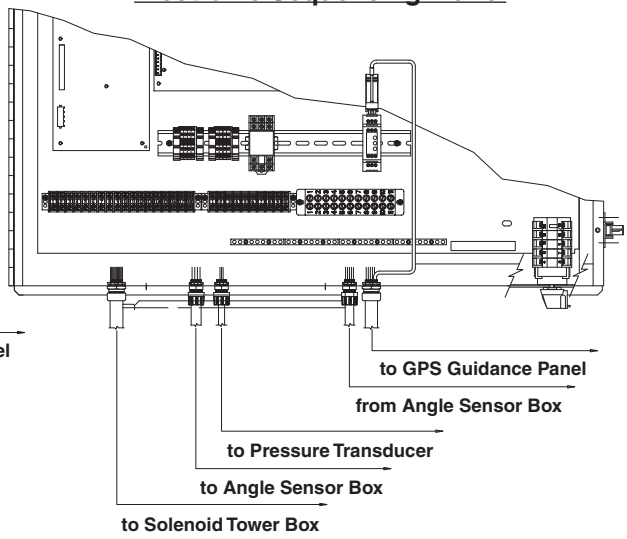
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GPS Guidance Panel

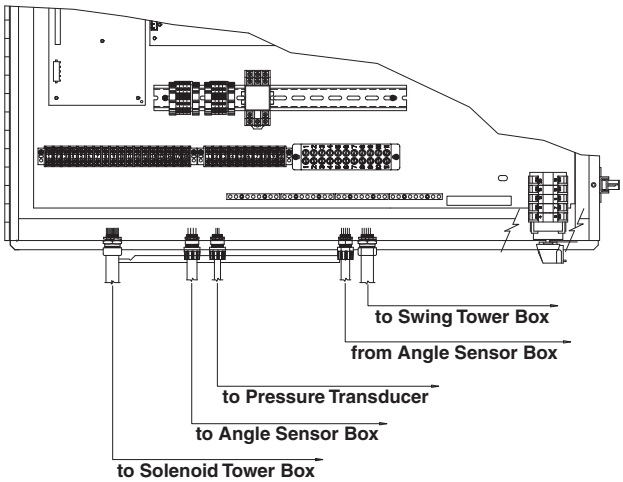


Electronic Sequencing Panel

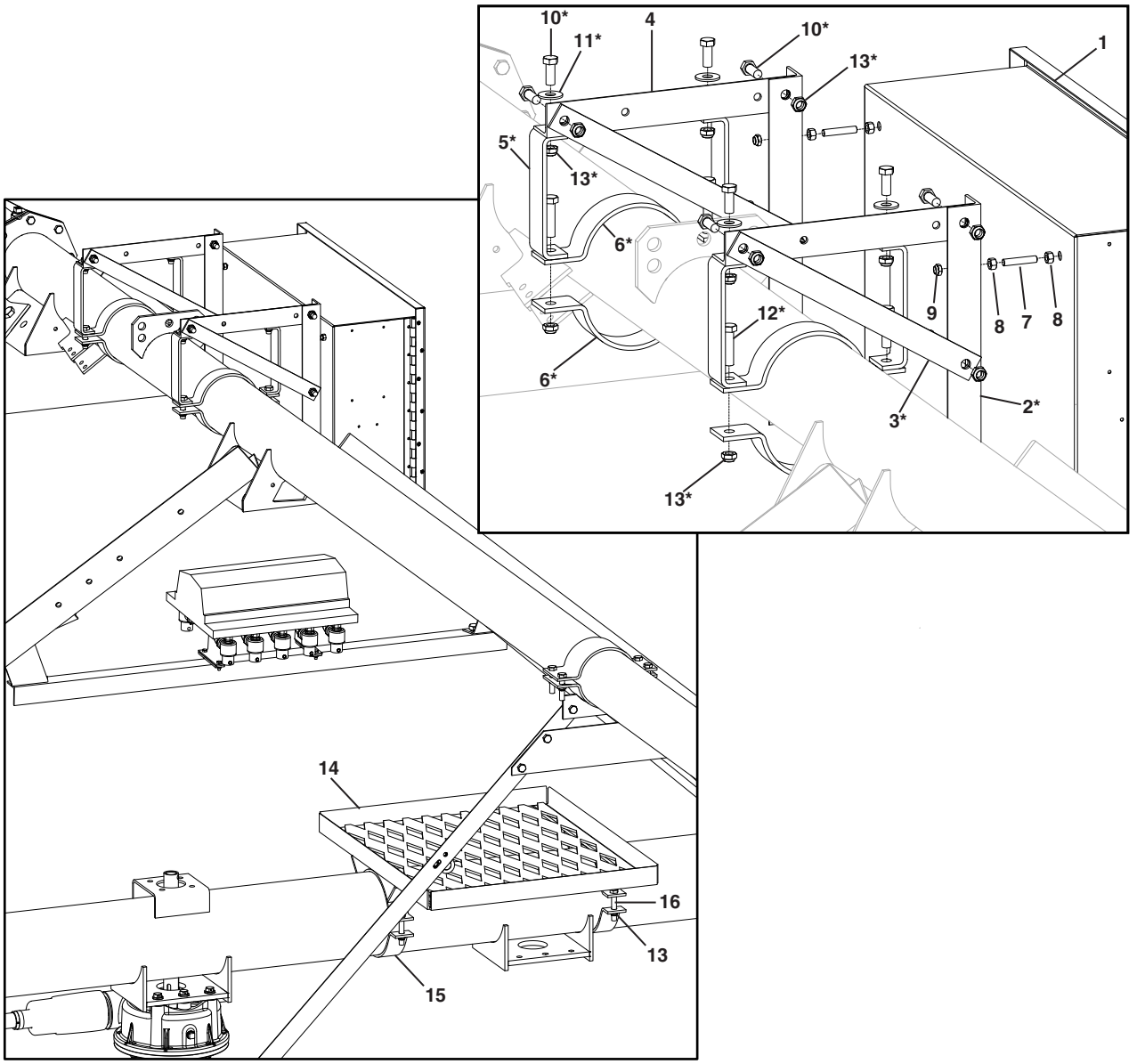


Electronic Sequencing Panel (with) GPS – Cable Routing

Electronic Sequencing Panel (without) GPS – Cable Routing



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ITEM	DESCRIPTION	PART#
1	Corner Sequencing Panel	9312301
2	Panel Mount Angle - Long	1751176*
3	Panel Mount Strap	1751178*
4	Panel Mount Angle - Short	1751175*
5	Control Panel Standoff	9360896*
6	6" Half Clamp - 2-Bolt	1902010**
	6-5/8" Half Clamp - 2-Bolt	1720290**
7	3/8" x 2" Threaded Rod - Stainless Steel	0994523
8	3/8" Hex Nut	0131018
9	3/8" Lock Nut	0133006
10	1/2" x 1-1/4" Cap Screw	0161027*
11	1/2" Flat Washer	0142026*
12	1/2" x 2" Cap Screw	0161024*
13	1/2" Lock Nut	0133005*
	5/8" Lock Nut (High Profile)	0133010

ITEM	DESCRIPTION	PART#
14	Maintenance Platform Assm. - 8-5/8"	1751177
	Maintenance Platform Assm. - 10" (High Profile)	1751302
15	8-5/8" Half Clamp - 2-Bolt	9361242
	10" Half Clamp - 2-Bolt (High Profile)	1702524
16	1/2" x 3" Cap Screw	0161136
	5/8" x 3" Cap Screw (High Profile)	0161010
	VFlex SDU Panel Mount. Hdwre. Kit - 6" Pipe	KA01507
	VFlex SDU Panel Mount. Hdwre. Kit - 6-5/8" Pipe	KA01637

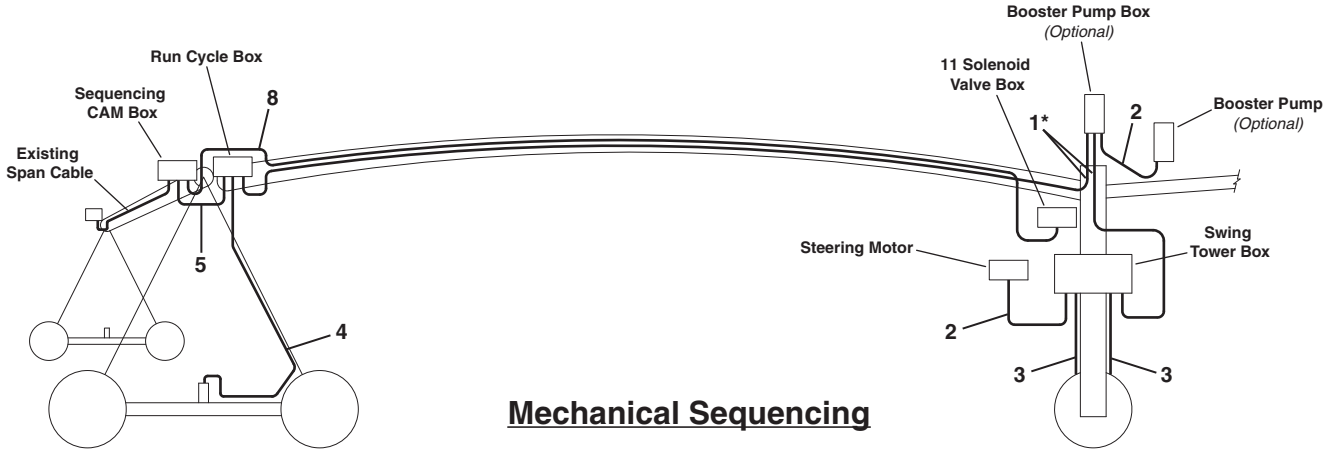
* NOTE: Items included in both hardware kits listed above.

** NOTE: Items included in their respective hardware kits listed above.

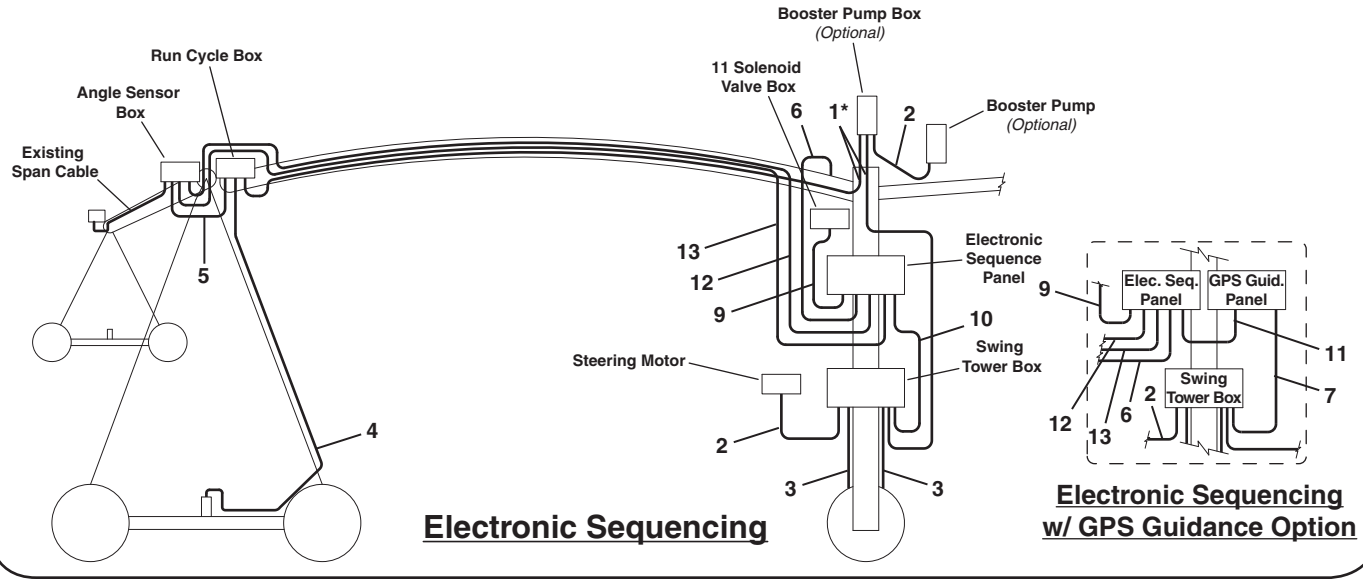
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ITEM	DESCRIPTION	PART#
1	Electrical Cable - 11 Cond. 10 Ga. (220'-0")[67.05m]	1810482
	Electrical Cable - 11 Cond. 8 Ga. (220'-0")[67.05m]	9311949
	Electrical Cable - 12 Cond. 10 Ga. (220'-0")[67.05m]	1813103
	Electrical Cable - 12 Cond. 8 Ga. (220'-0")[67.05m]	9311955
2	Electrical Cable - 4 Cond. 14 Ga. (9'-3")[2.81m] Blue	1811129
3	Electrical Cable - 4 Cond. 14 Ga. (20'-6")[6.24m] (Standard Profile)	1812008
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (High Profile)	1812547
4	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (Standard Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (32'-0")[9.75m] (High Profile)	1731102
5	Electrical Cable - 12 Cond. 10 Ga. (8'-0")[2.43m]	1814370
	Electrical Cable - 12 Cond. 8 Ga. (8'-0")[2.43m]	1814760
6	Pressure Transducer Cable - UL Listed	9311054
7	Corner Harness Conduit Assm.	9311747
8	Electrical Cable - 15 Cond. 14 Ga. (202'-0")[61.56m]	9311975
9	Electrical Cable - 15 Cond. 14 Ga. (8'-6")[2.59m]	9312318
10	Electronic Seq. Harness Conduit Assm.	9312320
11	Electronic Seq. GPS Guidance Conduit Assm.	9312327
12	Electrical Cable - 4 Cond. 14 Ga. (215'-0")[65.53m]	9312331
13	Electrical Cable - 5 Cond. 14 Ga. (201'-0")[61.26m]	9312373

* NOTE:
- Without Booster Pump Item #1 is run from Run Cycle Box to Swing Tower Box.
- With Booster Pump Item #1 is run from Run Cycle Box to Booster Pump Box and cut to length. Remaining cable used to connect Booster Pump Box to Swing Tower Box.



Mechanical Sequencing



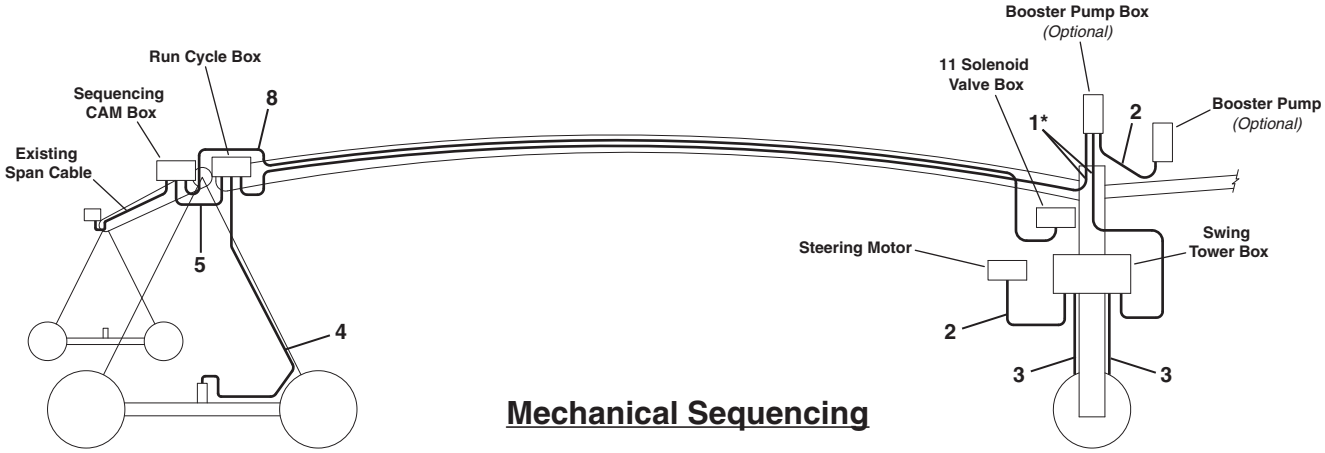
Electronic Sequencing

Electronic Sequencing w/ GPS Guidance Option

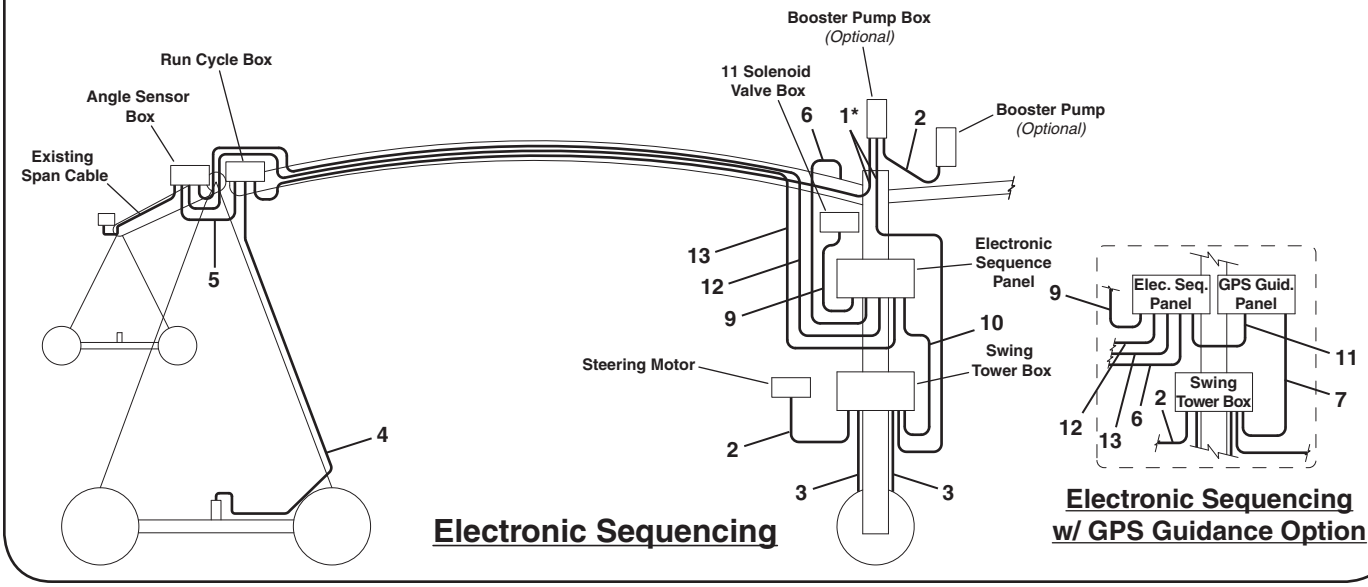
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ITEM	DESCRIPTION	PART#
1	Electrical Cable - 11 Cond. 10 Ga. (240'-0")[73.15m]	9311977
	Electrical Cable - 11 Cond. 8 Ga. (240'-0")[73.15m]	9311978
	Electrical Cable - 12 Cond. 10 Ga. (240'-0")[73.15m]	9311979
	Electrical Cable - 12 Cond. 8 Ga. (240'-0")[73.15m]	9311981
2	Electrical Cable - 4 Cond. 14 Ga. (9'-3")[2.81m] Blue	1811129
3	Electrical Cable - 4 Cond. 14 Ga. (20'-6")[6.24m] (Standard Profile)	1812008
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (High Profile)	1812547
4	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (Standard Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (32'-0")[9.75m] (High Profile)	1731102
5	Electrical Cable - 12 Cond. 10 Ga. (8'-0")[2.43m]	1814370
	Electrical Cable - 12 Cond. 8 Ga. (8'-0")[2.43m]	1814760
6	Pressure Transducer Cable - UL Listed	9311054
7	Corner Harness Conduit Assm.	9311747
8	Electrical Cable - 15 Cond. 14 Ga. (222'-0")[67.66m]	9311976
9	Electrical Cable - 15 Cond. 14 Ga. (8'-6")[2.59m]	9312318
10	Electronic Seq. Harness Conduit Assm.	9312320
11	Electronic Seq. GPS Guidance Conduit Assm.	9312327
12	Electrical Cable - 4 Cond. 14 Ga. (222'-0")[67.66m]	9312332
13	Electrical Cable - 5 Cond. 14 Ga. (222'-0")[67.66m]	9312326

* NOTE:
- Without Booster Pump Item #1 is run from Run Cycle Box to Swing Tower Box.
- With Booster Pump Item #1 is run from Run Cycle Box to Booster Pump Box and cut to length. Remaining cable used to connect Booster Pump Box to Swing Tower Box.



Mechanical Sequencing



Electronic Sequencing

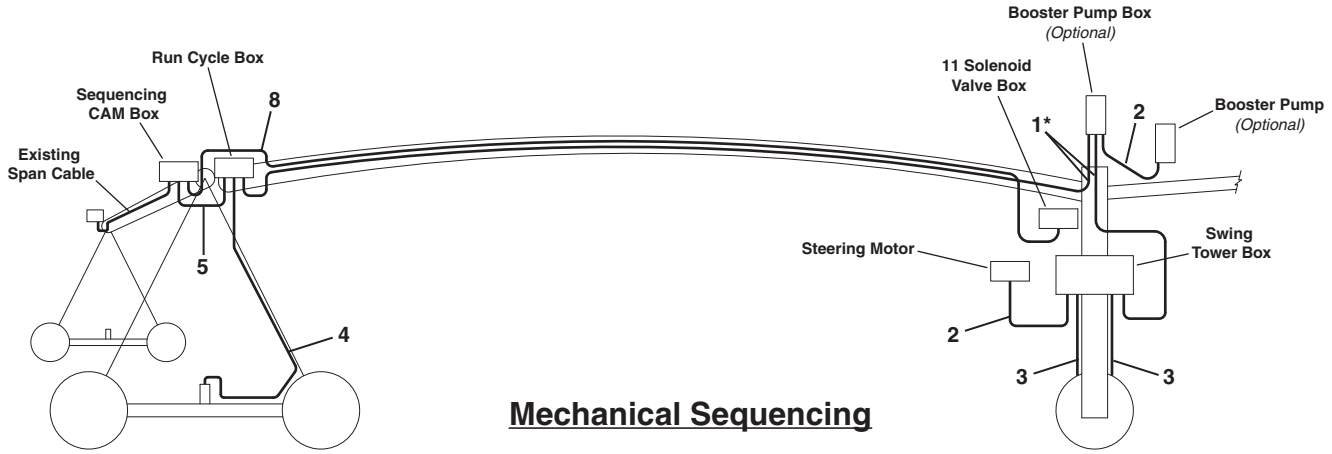
Electronic Sequencing w/ GPS Guidance Option

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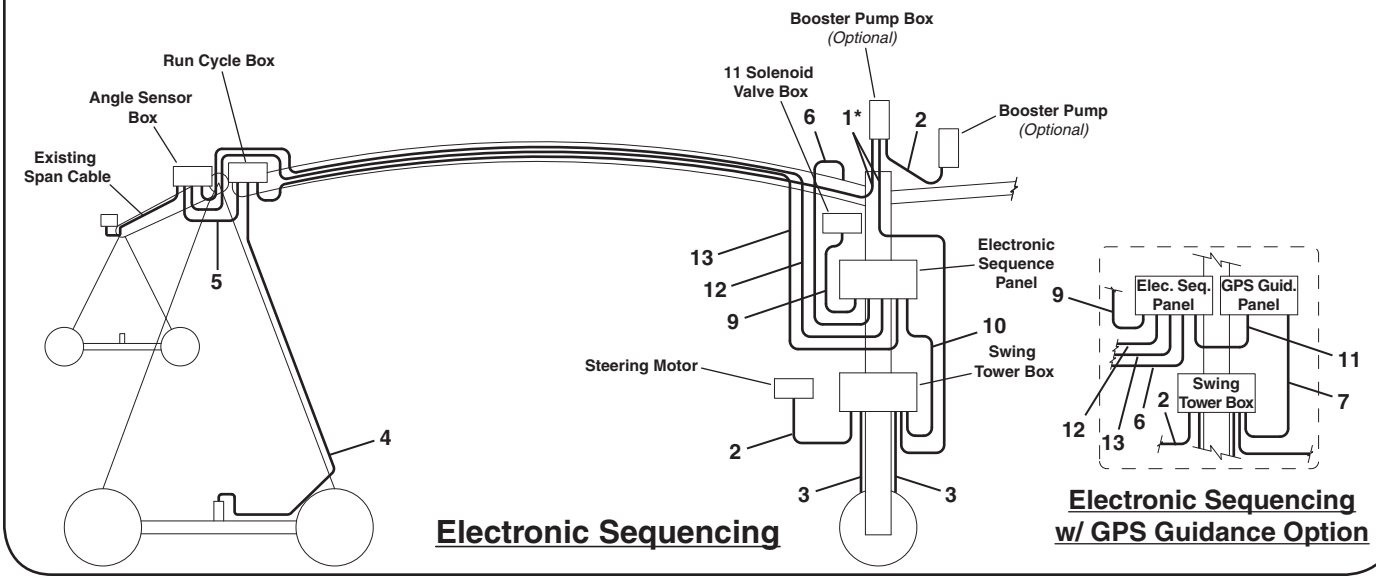
Functional Area	Assembly / Part	Rev# 02-17
Electrical Detail	Electrical Cable Routing - 218'[66.44m] Span w/ 82'[24.99m] Overhang	

ITEM	DESCRIPTION	PART#
1	Electrical Cable - 11 Cond. 10 Ga. (258'-0")[78.63m]	1813350
	Electrical Cable - 11 Cond. 8 Ga. (258'-0")[78.63m]	9311952
	Electrical Cable - 12 Cond. 10 Ga. (258'-0")[78.63m]	9311954
	Electrical Cable - 12 Cond. 8 Ga. (258'-0")[78.63m]	9311956
2	Electrical Cable - 4 Cond. 14 Ga. (9'-3")[2.81m] Blue	1811129
3	Electrical Cable - 4 Cond. 14 Ga. (20'-6")[6.24m]	1812008
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (Standard Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (High Profile)	1812547
4	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (Standard Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (32'-0")[9.75m] (High Profile)	1731102
5	Electrical Cable - 12 Cond. 10 Ga. (8'-0")[2.43m]	1814370
	Electrical Cable - 12 Cond. 8 Ga. (8'-0")[2.43m]	1814760
6	Pressure Transducer Cable - UL Listed	9311054
7	Corner Harness Conduit Assm.	9311747
8	Electrical Cable - 15 Cond. 14 Ga. (235'-0")[71.62m]	9312055
9	Electrical Cable - 15 Cond. 14 Ga. (8'-6")[2.59m]	9312318
10	Electronic Seq. Harness Conduit Assm.	9312320
11	Electronic Seq. GPS Guidance Conduit Assm.	9312327
12	Electrical Cable - 4 Cond. 14 Ga. (235'-0")[71.62m]	9312319
13	Electrical Cable - 5 Cond. 14 Ga. (235'-0")[71.62m]	9312372

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Mechanical Sequencing



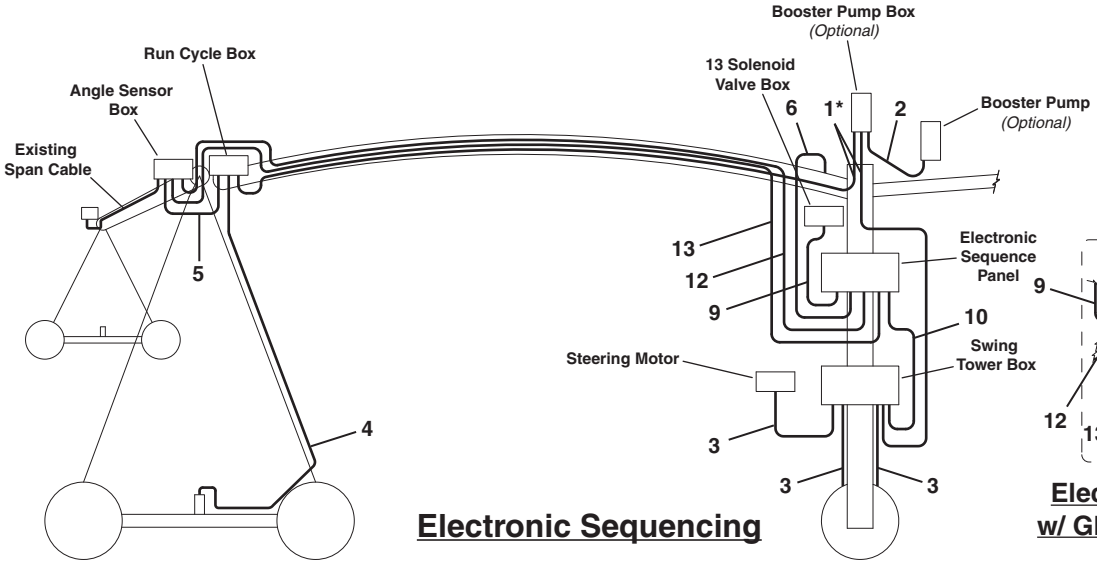
Electronic Sequencing

Electronic Sequencing w/ GPS Guidance Option

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ITEM	DESCRIPTION	PART#
1	Electrical Cable - 11 Cond. 10 Ga. (240'-0")	9311977
	Electrical Cable - 11 Cond. 8 Ga. (240'-0")	9311978
	Electrical Cable - 12 Cond. 10 Ga. (240'-0")	9311979
	Electrical Cable - 12 Cond. 8 Ga. (240'-0")	9311981
2	Electrical Cable - 4 Cond. 14 Ga. (9'-3")[2.81m] Blue	1811129
3	Electrical Cable - 4 Cond. 14 Ga. (20'-6")[6.24m] (Standard Profile)	1812008
	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (High Profile)	1812547
4	Electrical Cable - 4 Cond. 14 Ga. (26'-0")[7.92m] (Standard Profile)	1812547
	Electrical Cable - 4 Cond. 14 Ga. (32'-0")[9.75m] (High Profile)	1731102
5	Electrical Cable - 12 Cond. 10 Ga. (8'-0")[2.43m]	1814370
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6	Pressure Transducer Cable - UL Listed	9311054
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8	Electrical Cable - 15 Cond. 14 Ga. (222'-0")[67.66m]	9311976
9	Electrical Cable - 15 Cond. 14 Ga. (8'-6")[2.59m]	9312318
10	Electronic Seq. Harness Conduit Assm.	9312320
11	Electronic Seq. GPS Guidance Conduit Assm.	9312327
12	Electrical Cable - 4 Cond. 14 Ga. (222'-0")[67.66m]	9312332
13	Electrical Cable - 5 Cond. 14 Ga. (222'-0")[67.66m]	9312326

NOTE:
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Electronic Sequencing

Electronic Sequencing w/ GPS Guidance Option

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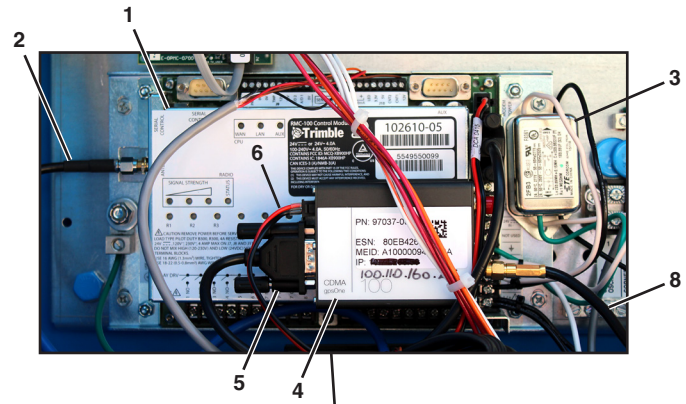


ITEM	DESCRIPTION	PART#
1	IQP100 Power Module	*
2	IQ 30V Power Y-Cable	*
3	IQL200 Power Cable Span Adapter	*
4	Bracket & U-Bolt Kit - 4-1/2 in	03E4296**
	- 5 in	03E4291**
	- 5-9/16 in	03E4295**
	- 6 in	03E4297**
	- 6-5/8 in	03E4292**
	- 8 in	03E4294**
	- 8-5/8"	03E4290**
	- 10 in	03E4293**

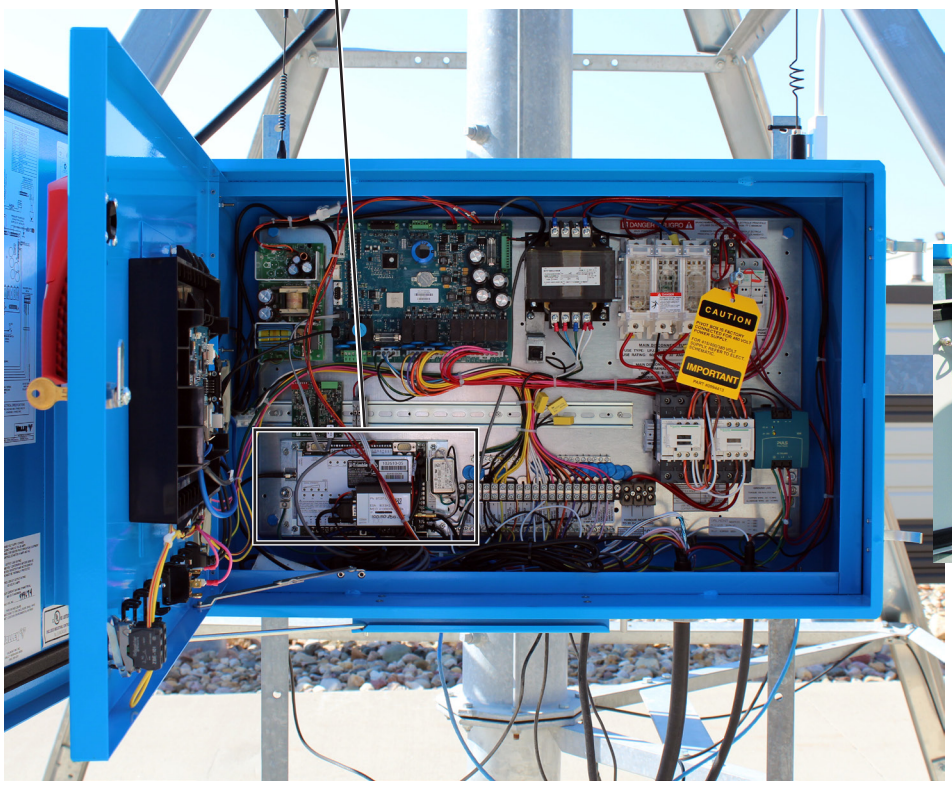
* IQP Standalone Power Supply 03E4305

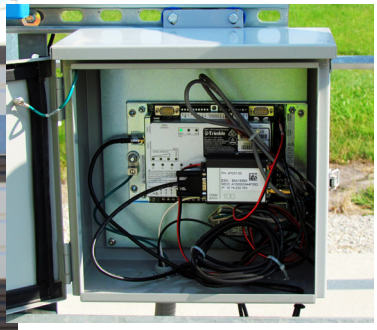
**NOTE: Kit includes U-Bolts & Brackets, 3/8 in Flat Washers, 3/8 in Split Lock Washers, 3/8 in Hex Nuts.

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Standalone Enclosure

ITEM	DESCRIPTION	PART#
1	RMC100 Control Module Assm.	*
2	XBee 900 MHz Antenna Kit	*
3	EMI Filter	*
4	Modem Bundle	**
5	Maestro M100 Series Modem RS-232 Cable	**
6	RMC-100 to Modem Power Cable Assm.	**
7	Dual Band NMO Whip Antenna	**
8	Antenna Mag Base NMO-to-SMA - LMR200 Ant. Cable - 12 ft	**

*	RMC100 Component Kit	03E4312
	XBee 900 MHz for Anglia Antenna Kit (incl. 2 antennae)	03E4321
**	Data & Modem Kit - Verizon	03E4281
	- AT&T	03E4283
	- Aus Telstra	03E4282
	- Canada Rogers	03E4284
	RMC100 External Enclosure	03E4299

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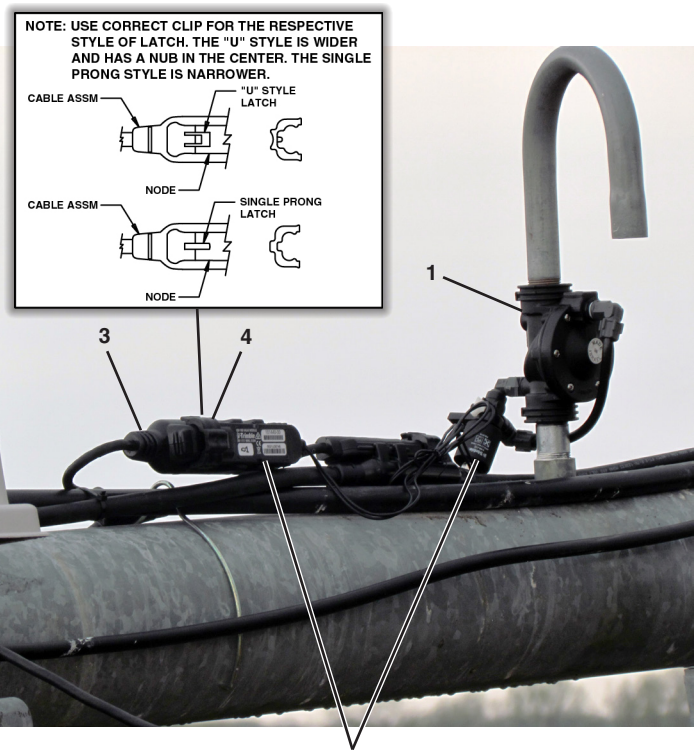
IQL Mounting Hardware included in Antenna Component Kit (03E4264)



IQL200 Power Cable Span Adapter

ITEM	DESCRIPTION	PART#
1	IQL200 Control Module	*
2	XBee 900MHz Antenna Kit	03E4321
3	IQL200 Power Cable Span Adapter	03E4308
	*IQL200 Component Kit	03E4310

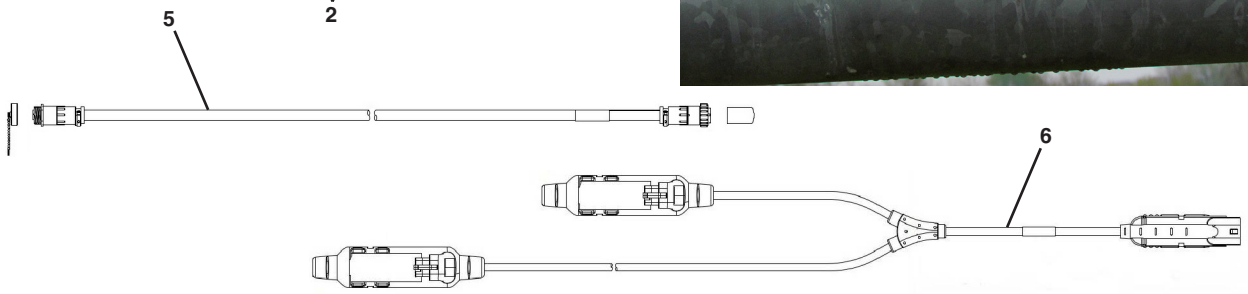
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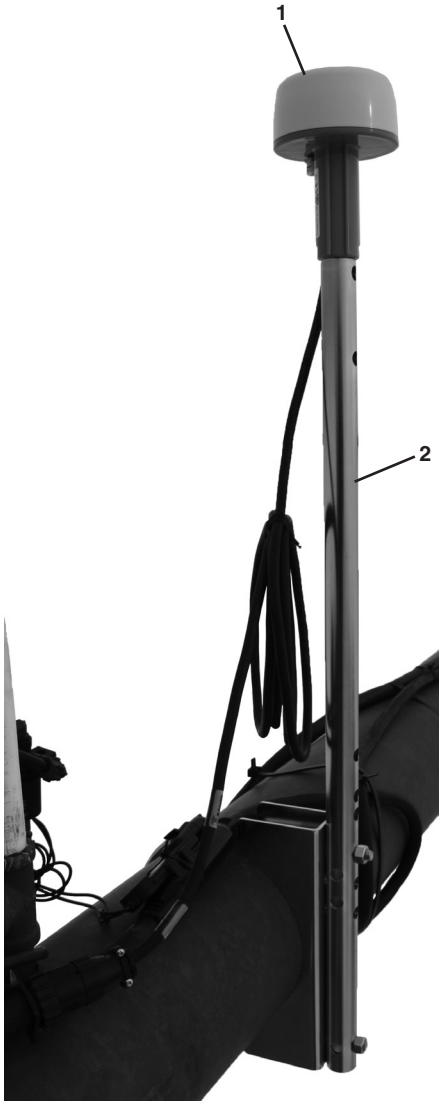
Control Module

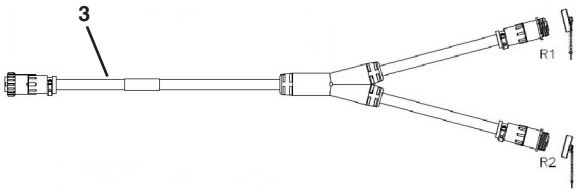




ITEM	DESCRIPTION	PART#
1	Bermad Valve - Trimble	03E4326
2	Control Module	03E4311
3	Cable Assm. - 1 Outlet 114 in Spacing	03E4267
	- 2 Outlets 114 in Spacing	03E4268
	- 1 Outlet 126 in Spacing	03E4269
	- 2 Outlets 126 in Spacing	03E4270
	- 20 Outlets 126 in Spacing	03E4271
	- 30 Outlets 126 in Spacing	03E4272
	- 1 Outlet 165 in Spacing	03E4273
	- 2 Outlets 165 in Spacing	03E4274
	- 20 Outlets 165 in Spacing	03E4275
	- 30 Outlets 165 in Spacing	03E4276
	- 10 Outlets 251 in Spacing	03E4277
4	Cable Clip	03E4344
5	Blank Extension Span Cable Assm. - 19.6 ft Long	03E4287
	- 32.8 ft Long	03E4285
	- 173.8 ft Long	03E4286
6	Span Outlet Splitter - 126 in Spacing	03E4300

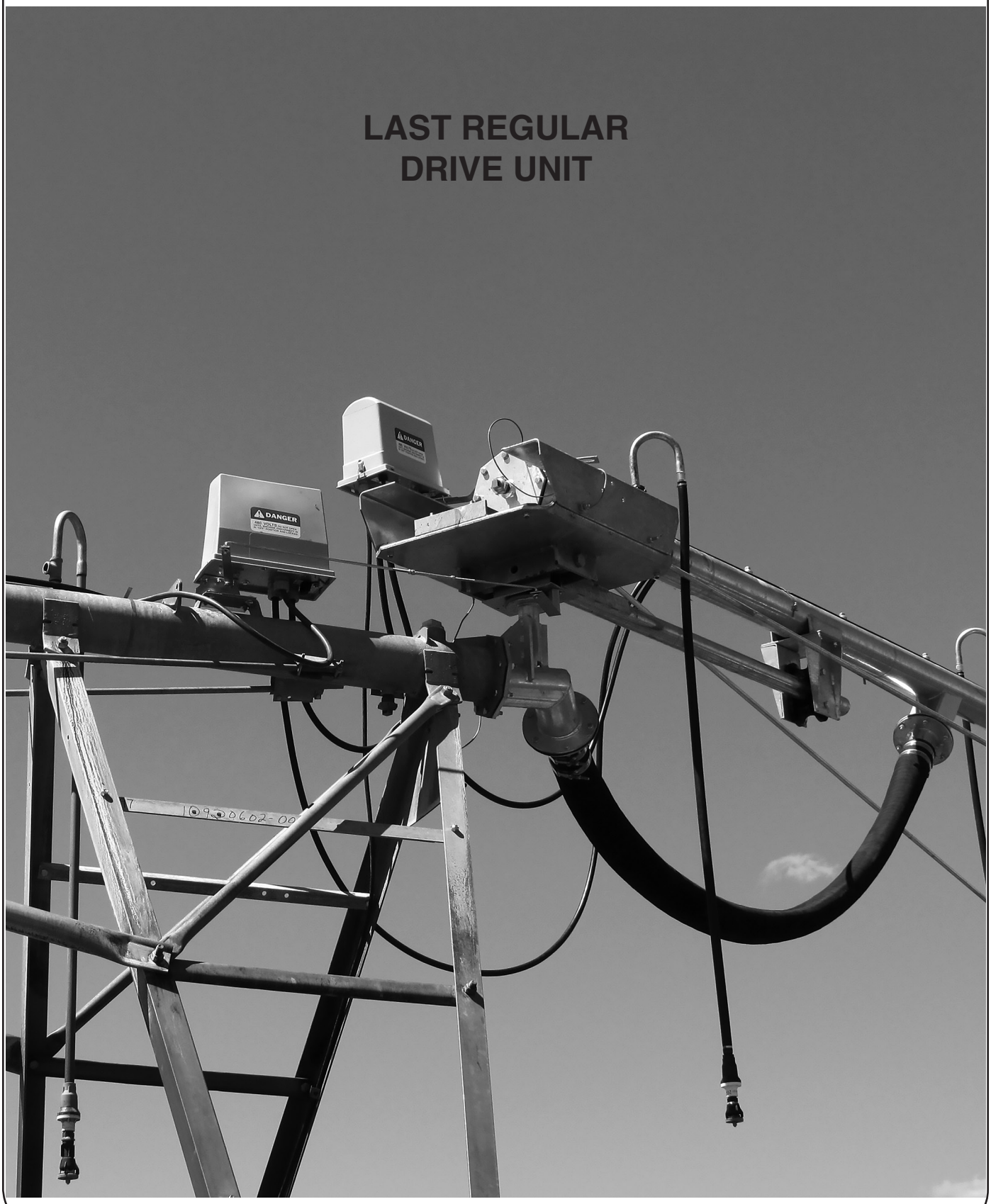
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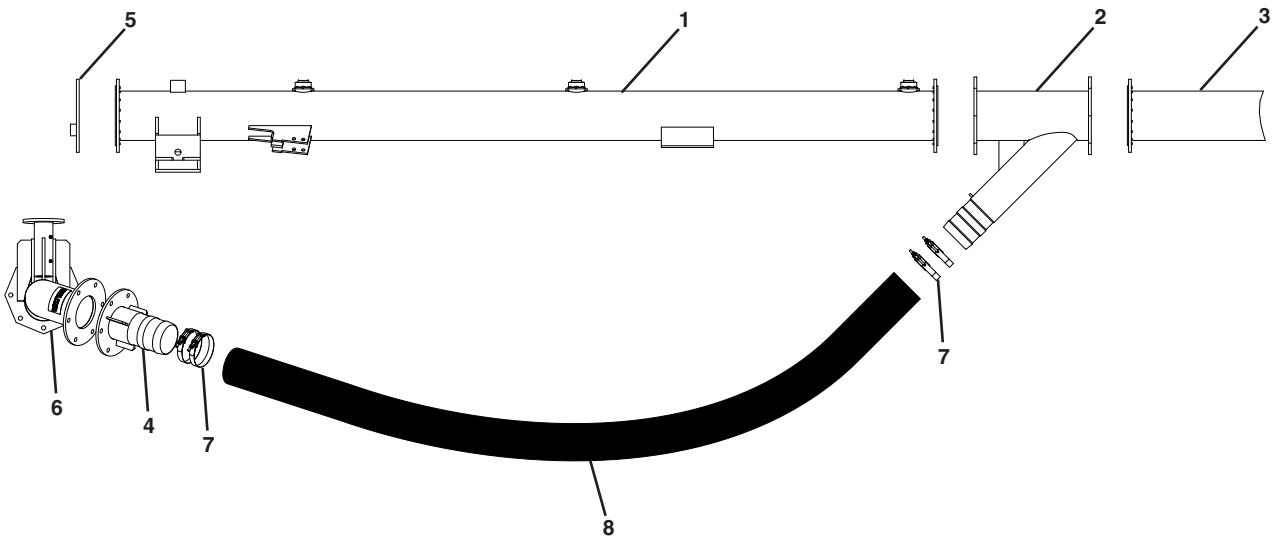


ITEM	DESCRIPTION	PART#
1	IQG100 GNSS Module Assm.	03E4449
2	GPS Mount Pole	03E4450
3	GNSS Y Jumper Span Acc. Cable Assm.	03E4288

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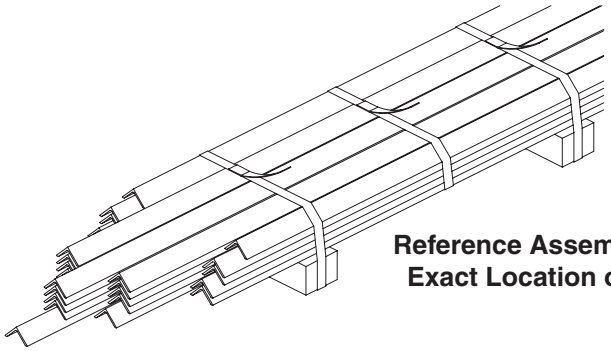
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ITEM	DESCRIPTION	PART#
1	6-5/8" T-Bar Inlet Pipe Assm. (110.09"[279.6cm] Long) - Lined	1751328
2	Inlet Assm. - Stainless Steel	1751325
3	6-5/8" Intermediate Pipe Assm. (412.72"[1048.3cm] Long) - Lined (Model 8000)	1751331
	6-5/8" Intermediate Pipe Assm. (158.03"[401.3cm] Long) - Lined (Model 8120	1751334
4	6-5/8" Hose Barb Stub Assm. - Stainless Steel	1751351
5	6-5/8" End Plate Flange - Stainless Steel	1751355
6	Corner Outlet w/Zerks - Stainless Steel	1751357
7	4-1/2" Flex Joint Clamp (w/Liner)	0270001
8	Hose, High Pressure - 4-1/2" I.D. (117.00"[297.1cm] Long)	0272010

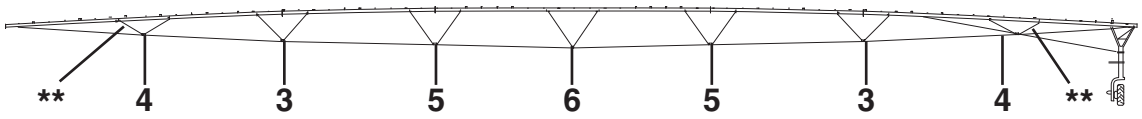
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Model 8000 Span - 6-5/8" Pipe - 60"[152.4cm] Coupler Spacing

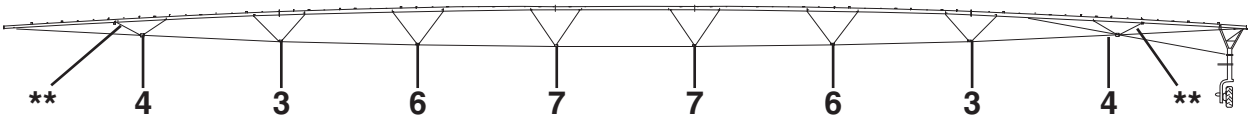


Reference Assembly Detail Page for Exact Location of Truss Packages

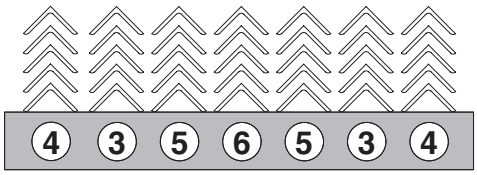
185' Span
[56.38m]



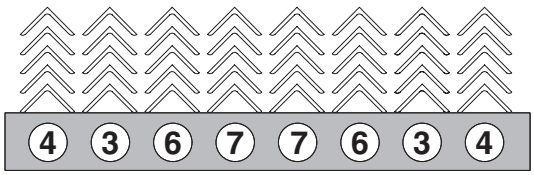
205' Span
[62.48m]



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



185' 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.

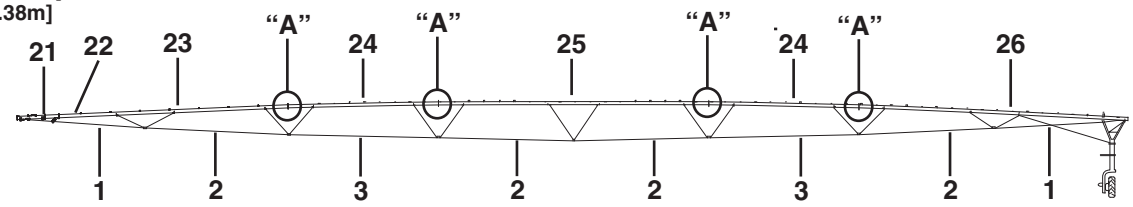
TRUSS PKG #	DIAGONAL			SPREADER		
		Overall Length			Overall Length	
	Part #	Inches	cm	Part #	Inches	cm
3	9360050	82.78	210.2	9360051	92.69	235.4
4	9360052**	61.68	156.6	9360053	52.25	132.7
	9360074	58.81	149.3	--	--	--
5	9360054	97.25	247.0	9360055	115.03	292.1
6	9360056	102.56	260.5	9360057	122.94	312.2
7	9360058	112.09	284.7	9360059	136.84	347.5

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

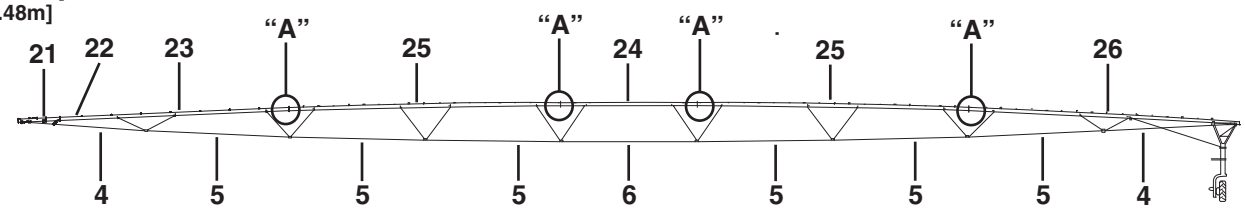
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Model 8000 Span - 6-5/8" Pipe - 60"[152.4cm] Coupler Spacing

185' Span
[56.38m]

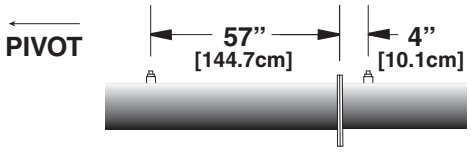


205' Span
[62.48m]



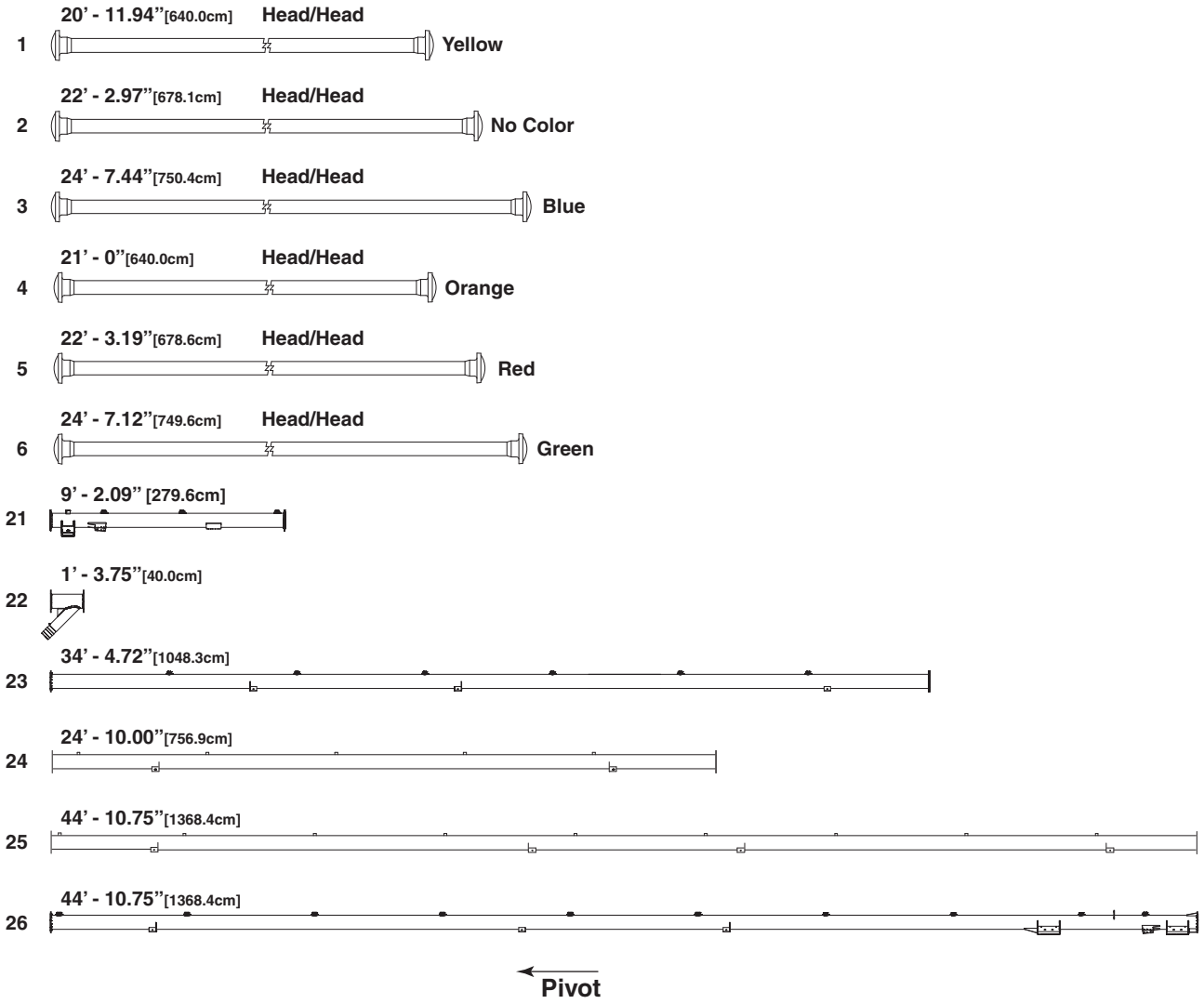
Detail "A"

60"[152.4cm] Spacing Pipe-to-Pipe



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Model 8000 Span - 6-5/8" Pipe - 60"[152.4cm] Coupler Spacing



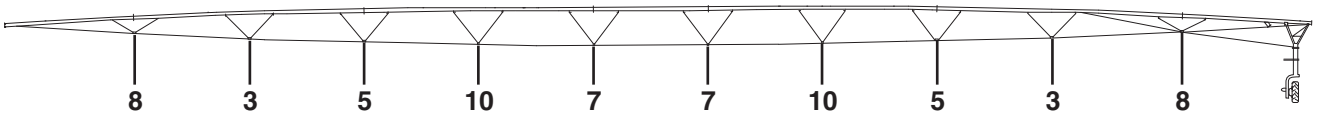
Item	Description	Poly Part #
1	3/4" Tower Truss Rod (20'-11.94")[640.0cm]	9360060
2	3/4" Standard Intermediate Truss Rod (22"-2.97")[678.1cm]	9360061
3	3/4" Intermediate Truss Rod (24-7.44")[750.4cm]	9360062
4	13/16" Tower Truss Rod (21'-0")[640.0cm]	9360064
5	13/16" Standard Intermediate Truss Rod (22'-3.19")[678.6cm]	9360065
6	13/16" Intermediate Truss Rod (24'-7.12")[749.6cm]	9360066
21	T-Bar Inlet Pipe (9'-2.09")[279.6cm]	1751328
22	Inlet Pipe (1'-3.75")[40.0cm]	1751325
23	Intermediate Pipe (34'-4.72")[1048.3cm]	1751331
24	25' Short Intermediate Pipe (24'-10.00")[756.9cm]	9362705
25	45' Standard Intermediate Pipe (44'-10.75")[1368.4cm]	9362707
26	Last Pipe (44'-10.75")[1368.4cm]	1751346

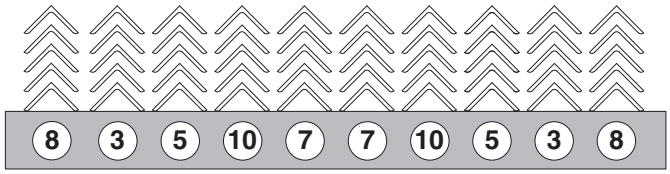
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INTERNATIONAL ONLY

Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing

217.7' Span
[66.32m]





217.7' Truss Angle Span Pack
(KA09991)

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 #	Inch	cm	Part #	Inch	cm
3	9360050	82.78	210.3	9360051	92.69	235.4
5	9360054	97.25	247.0	9360055	115.03	292.2
7	9360058	112.09	284.7	9360059	136.84	347.6
8	9360735**	63.36	160.9	9360736	56.00	142.2
	9360734	60.67	154.1	-	-	-
10	9360704	108.50	275.6	9360705	131.63	334.3

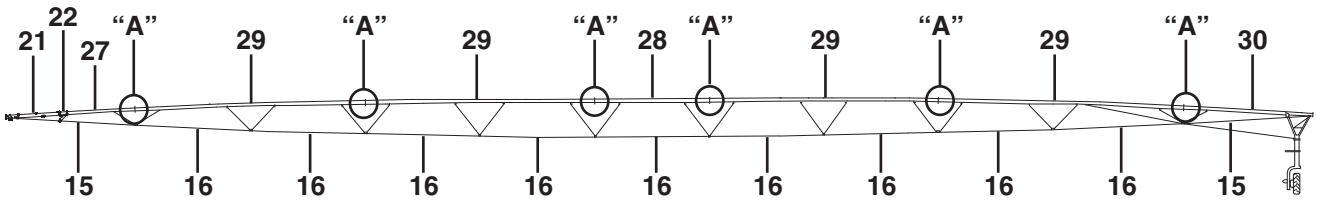
** NOTE: Longer diagonal has I.D. hole and is to be located away from span center.

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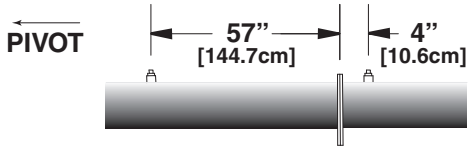
INTERNATIONAL ONLY

Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing

217.7' Span
[66.32m]



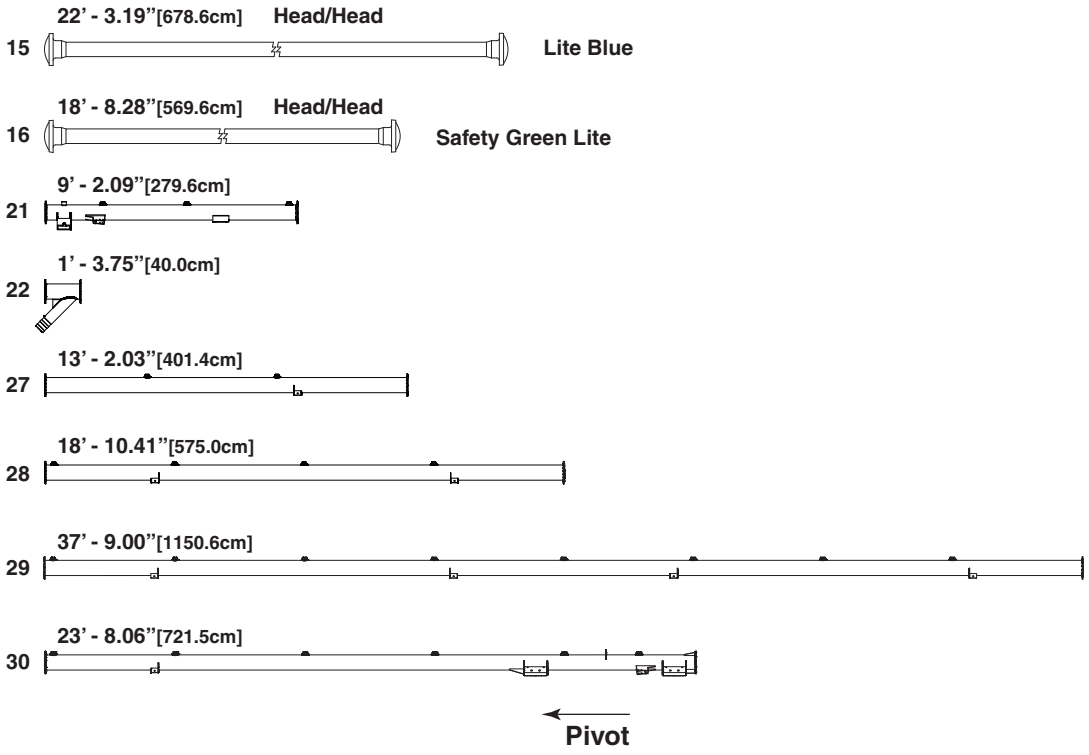
Detail "A"
60"[144.7cm] Spacing Pipe-to-Pipe



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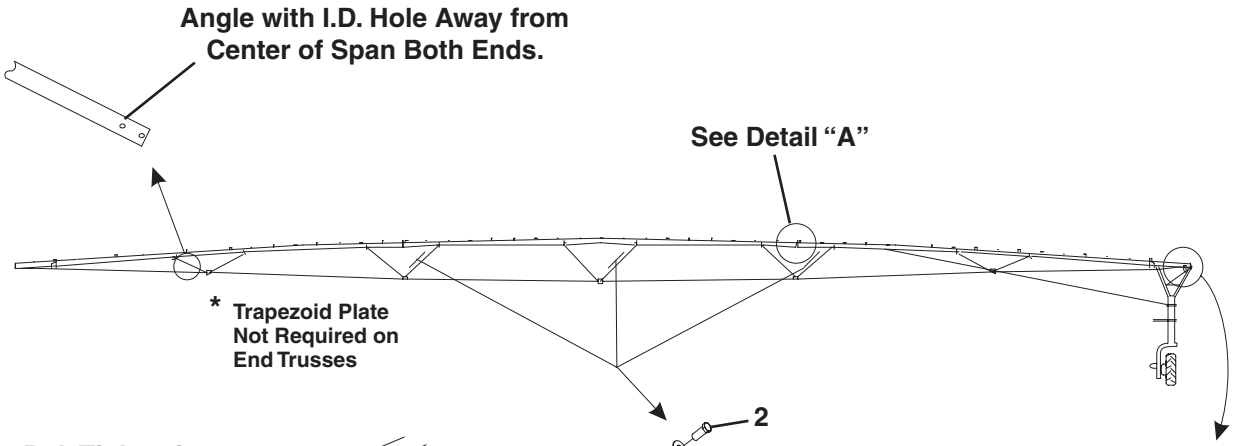
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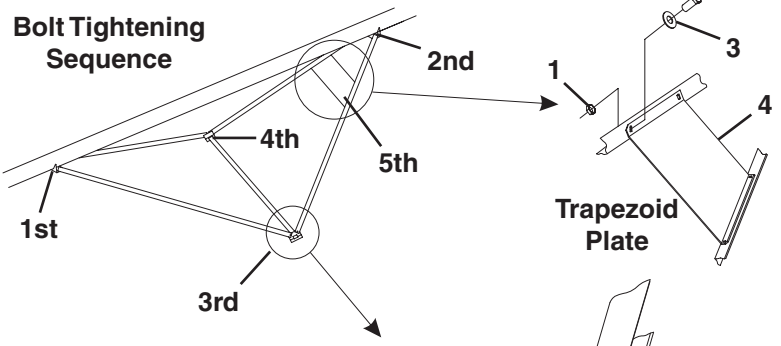
Model 8120 Span - 6-5/8" Pipe - 113"[287.0cm] Coupler Spacing

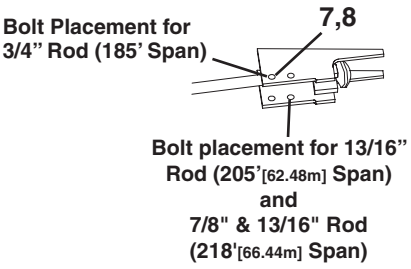


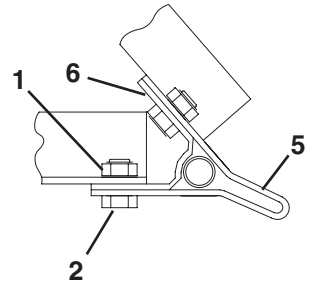
Item	Description	Poly Part #
15	7/8" Tower Truss Rod (22'-3.19")[678.6cm]	9363848
16	13/16" Intermediate Truss Rod (18'-8.28")[569.6cm]	9360719
21	T-Bar Inlet Pipe (9'-2.09")[279.6cm]	1751328
22	Inlet Pipe (1'-3.75")[40.0cm]	1751325
27	Intermediate Pipe (13'-2.03")[401.4cm]	1751334
28	19' Intermediate Pipe (18'-10.41")[575.0cm]	1751365
29	38' Intermediate Pipe (37'-9.00")[1150.6cm]	1751363
30	Last Pipe (23'-8.06")[721.5cm]	1751348

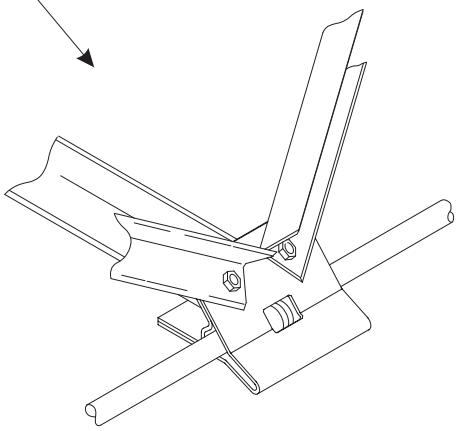
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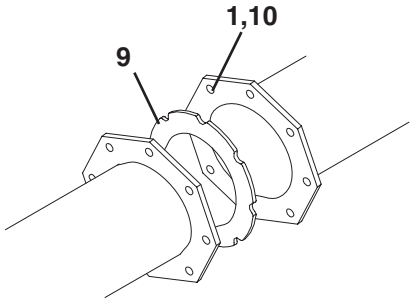












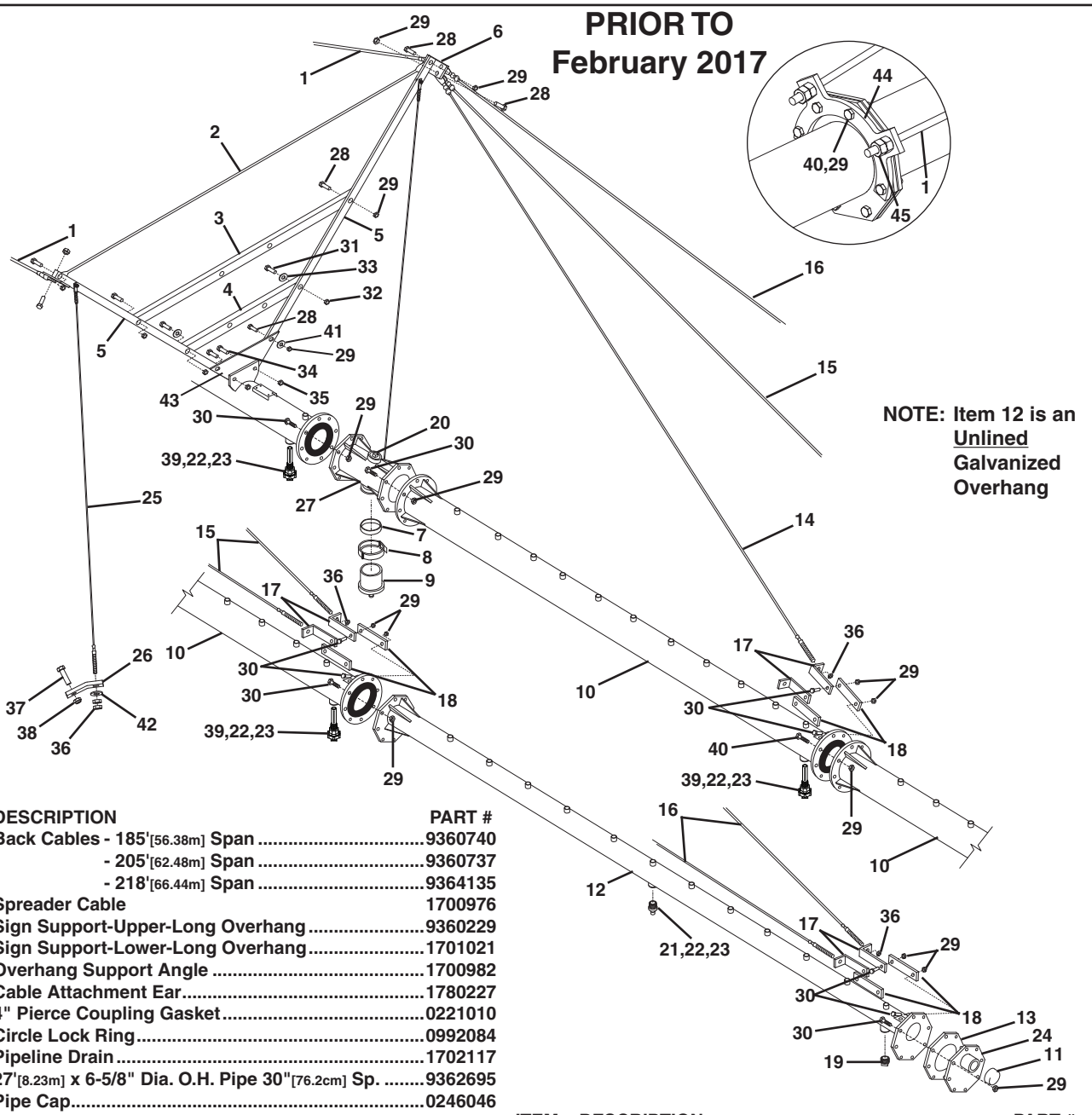
ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	6-5/8" Gasket	0991107
10	1/2" x 2" Cap Screw	0161024

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Functional Area	Assembly / Part	Rev# 03-17
LRDU - PolySpan Option	83.3'[25.39m] Lined Overhang	



ITEM	DESCRIPTION	PART #
1	Back Cables - 185'[56.38m] Span	9360740
	- 205'[62.48m] Span	9360737
	- 218'[66.44m] Span	9364135
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	1" Upper Drain Body	0246170
22	Drain Seal	0232568
23	Lower Drain Body	0232004
24	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
25	Support Cable	1751222
26	Down Cable Bracket	1751170
27	Spacer, Stainless Steel, w/4° Tip	9360464
28	1/2" x 1-1/4" Cap Screw	0161027

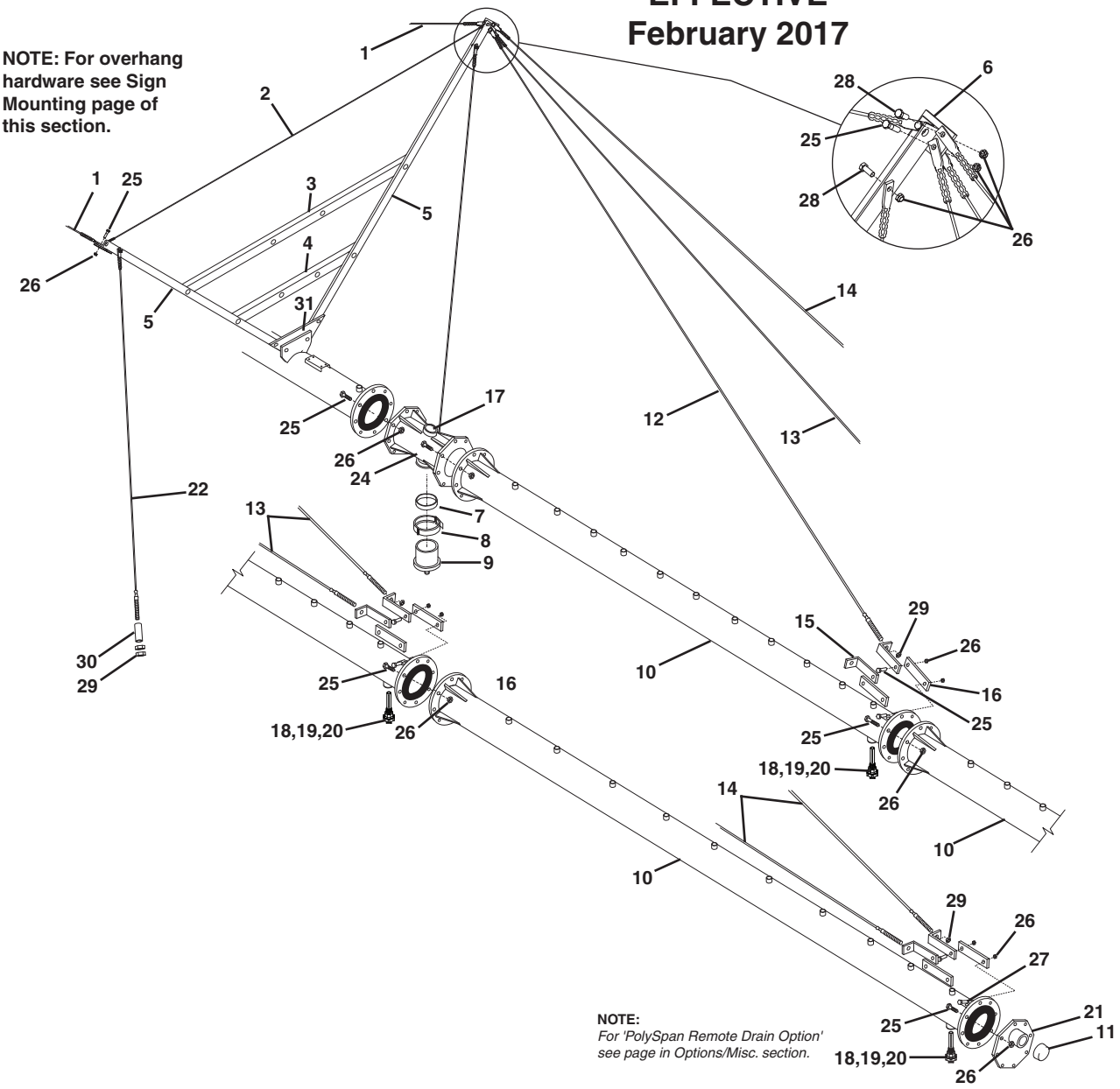
ITEM	DESCRIPTION	PART #
29	1/2" Lock Nut	0133005
30	1/2" x 2" Cap Screw	0161024
31	5/16" x 1" Cap Screw	0161052
32	5/16" Lock Nut	0133007
33	5/16" Flat Washer	0142017
34	3/4" x 1-3/4" Cap Screw	0161139
35	3/4" Lock Nut	0133011
36	3/4" Hex Nut	0131008
37	5/8" x 2" Cap Screw	0161014
38	5/8" Lock Nut	0133010
39	3/4" Upper Drain Body	0246227
40	1/2" x 2-1/2" Cap Screw	0161023
41	1/2" Flat Washer	0142025
42	3/4" Flat Washer	0142021
43	Trapezoid Plate	9363792
44	Cable Mounting Ear Bracket	9361357
45	7/8" Hex Nut	0131005

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83.3'[25.39m] Lined Overhang

EFFECTIVE February 2017

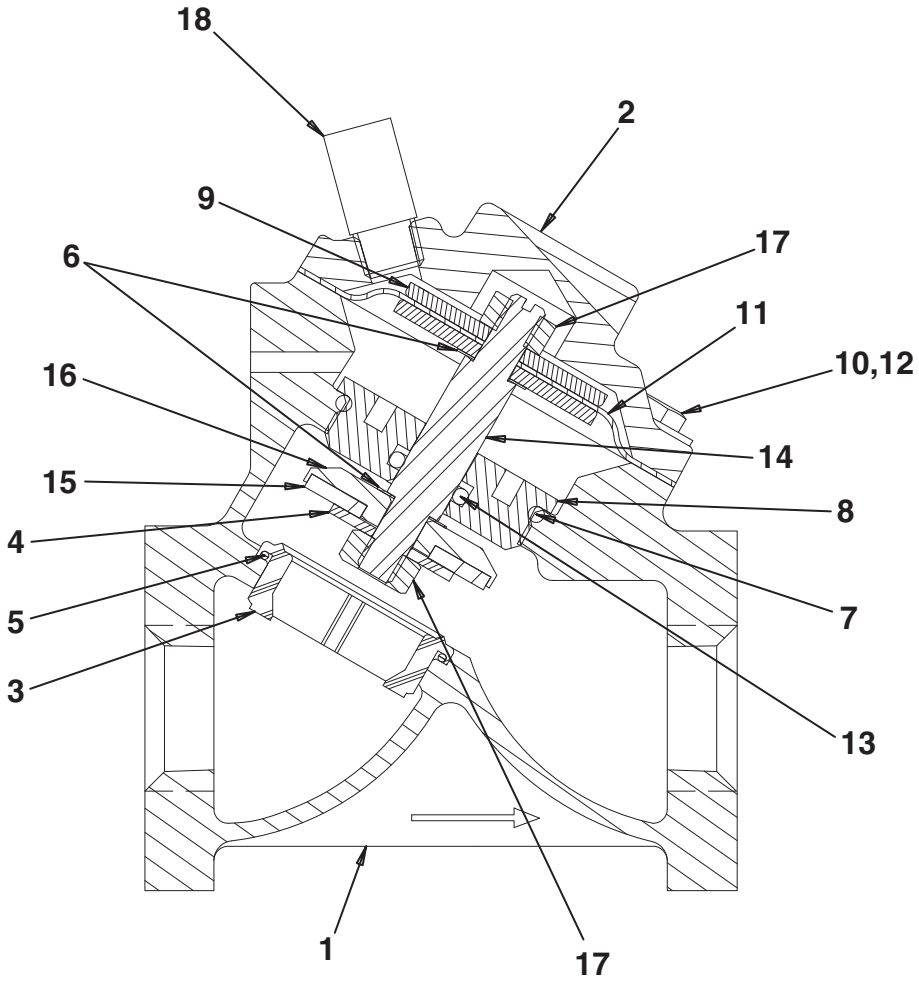
NOTE: For overhang hardware see Sign Mounting page of this section.



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	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

ITEM	DESCRIPTION	PART #
18	3/4" Upper Drain Body	0246227
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
22	Down Cable Assm. - VFlex	1751222
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	Guide Spacer	9360300
31	Trapezoid Plate	9363792

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NO.	DESCRIPTION
1	BODY 3/4"
2	CAP 1/8 NPT
3	SEA T (421)
4	DISC PLA TE
5	O-RING 2-025
6	GASKET -1/2 OD
7	O-RING 2-125
8	GUIDE SHAFT -421
9	DIAPHRAGM PLATE-421
10	1/4-20 X 7/8 CAP SCREW
11	DIAPHRAGM-421
12	1/4-20 HEX NUT
13	O-RING 2-110
14	SHAFT-421
15	DISC
16	DISC HOLDER
17	1/4-28 HEX NUT
18	TUBE FITTING

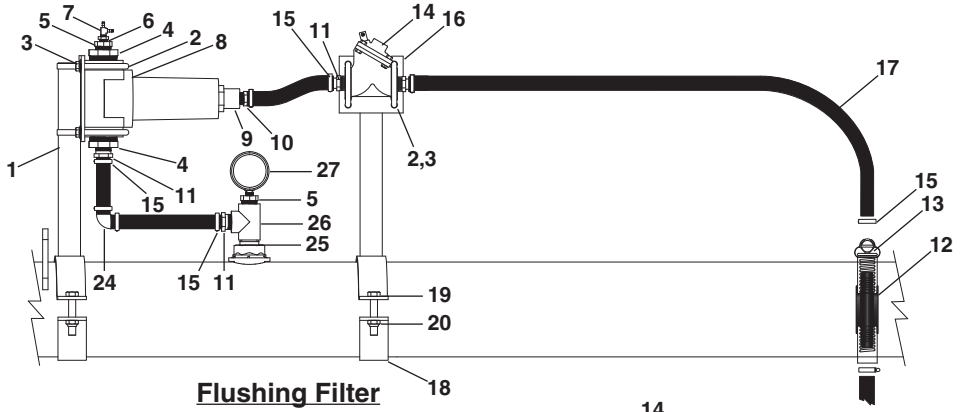
REPAIR PARTS KITS	
DESCRIPTION	PART #
TUBE FITTING	0232361
DIAPHRAGM SEALS	0232494
INTERNAL PARTS	0232572

SERVICE TOOLS	
DESCRIPTION	PART #
PLASTIC GUIDE SHAFT TOOL	0232571
METAL GUIDE SHAFT TOOL	0232573

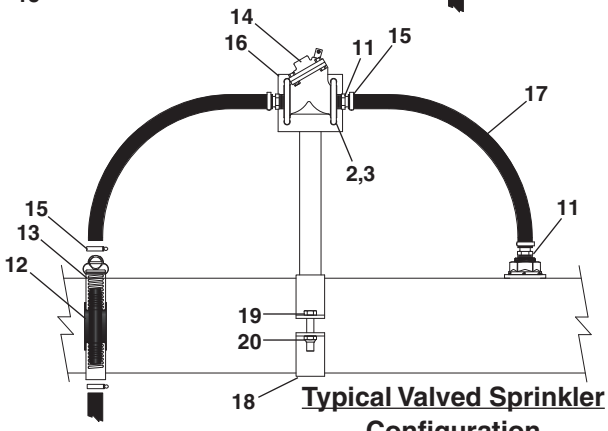
3/4" Aquamatic Valve - Normally Open w/o Drain..... 0232482

3/4" Aquamatic Plastic Internal Parts Repair Kit - DISCONTINUED Nov 2015 0232508

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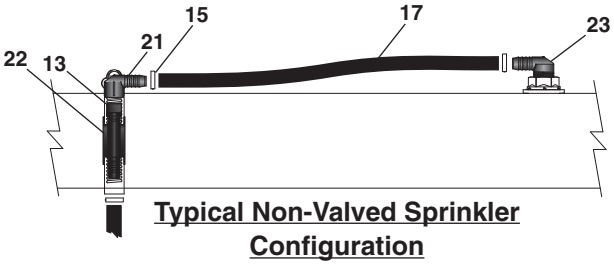


Flushing Filter Configuration

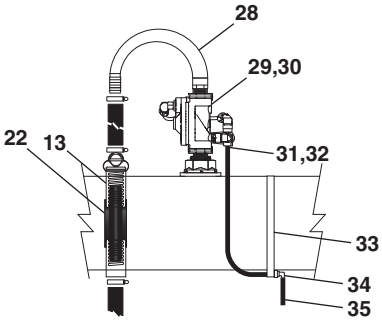


Typical Valved Sprinkler Configuration

ITEM	DESCRIPTION	PART #
1	Filter Mount Assm.	9363576
2	3/8" U-Bolt	0176054
3	3/8" Flange Nut	0134055
4	1-1/2" x 3/4" Reducer Bushing	0244044
5	3/4" x 1/4" Reducer Bushing	0244046
6	1/4" x 1/8" Reducer	0244083
7	1/8" NPT x 1/4" x 1/4" Tee Fitting	0232367
8	Filter	0311013
9	Bulkhead Fitting	1750640
10	1/2" MNPT x 3/4" Insert Fitting	0271089
11	3/4" MNPT x 3/4" Hose Barb	0271077
12	3/4" Hose Barb Connector	9360365
13	Screw Clamp	0271087
14	3/4" Aquamatic Valve N.O. - w/o Drain	0232482
15	1-1/4" Hose Clamp	0271084
16	Valve Mount - 6-5/8"	9363165
17	3/4" Hose (250' Roll)	0272033
18	Half Clamp - 6-5/8" (2-Bolt)	1720290
19	1/2" x 2-1/2" Cap Screw	0161023
20	1/2" Lock Nut	0133005
21	3/4" FMPT x 3/4" Elbow Fitting	0271104
22	3/4" NPT x 3/4" Hose Connector	9360956
23	3/4" MNPT x 3/4" Insert - 90°	0271123
24	3/4" Insert x 3/4" Insert	0241101
25	3/4" NPT Nipple	0211157
26	3/4" FNPT Tee	0242053
27	Pressure Gauge - 0-100 psi	0232501
28	U-Pipe - 3/4" MNPT x 3/4" Hose Barb-Plastic	0246222
29	Bermad Valve	03E4326
30	Nipple - 3/4" NPT x 2"	0211014
31	Tube Connector - 1/4" NPT x 1/4"	0232366



Typical Non-Valved Sprinkler Configuration



Hose Drop and Valve Drain Configuration

FOR UNIFORM CORNER ONLY

ITEM	DESCRIPTION	PART #
32	Oetiker Crimp Clamp - Tube Harness	0271115
33	Clamp - 8" Pipe	0271024
34	1/4" x 90° Elbow	0270003
35	Nylon Tubing - .304" OD x .179 ID x 42' Long	9362393

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PRECISION CORNER

Model 8000 Pivot - Effective 9/98

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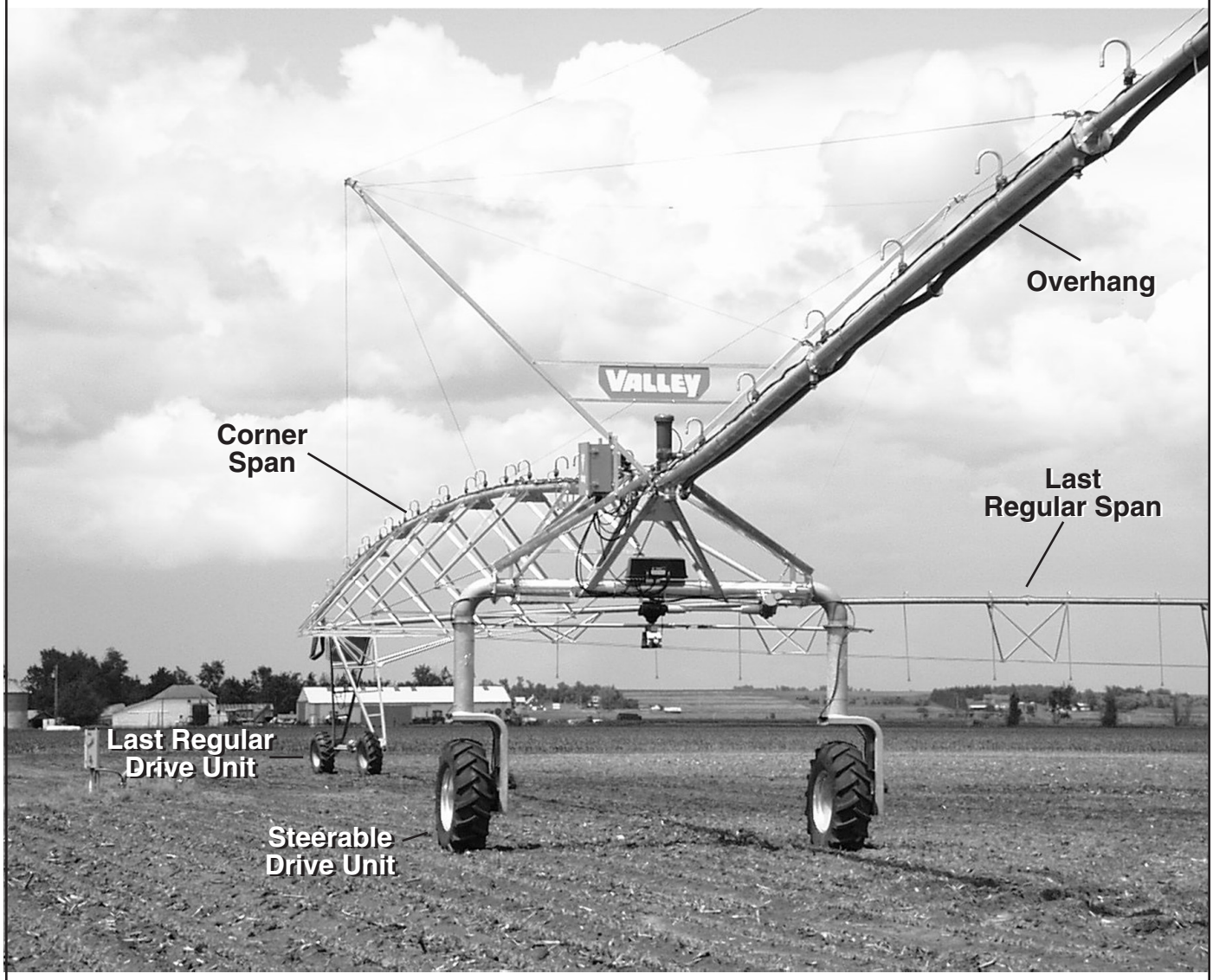
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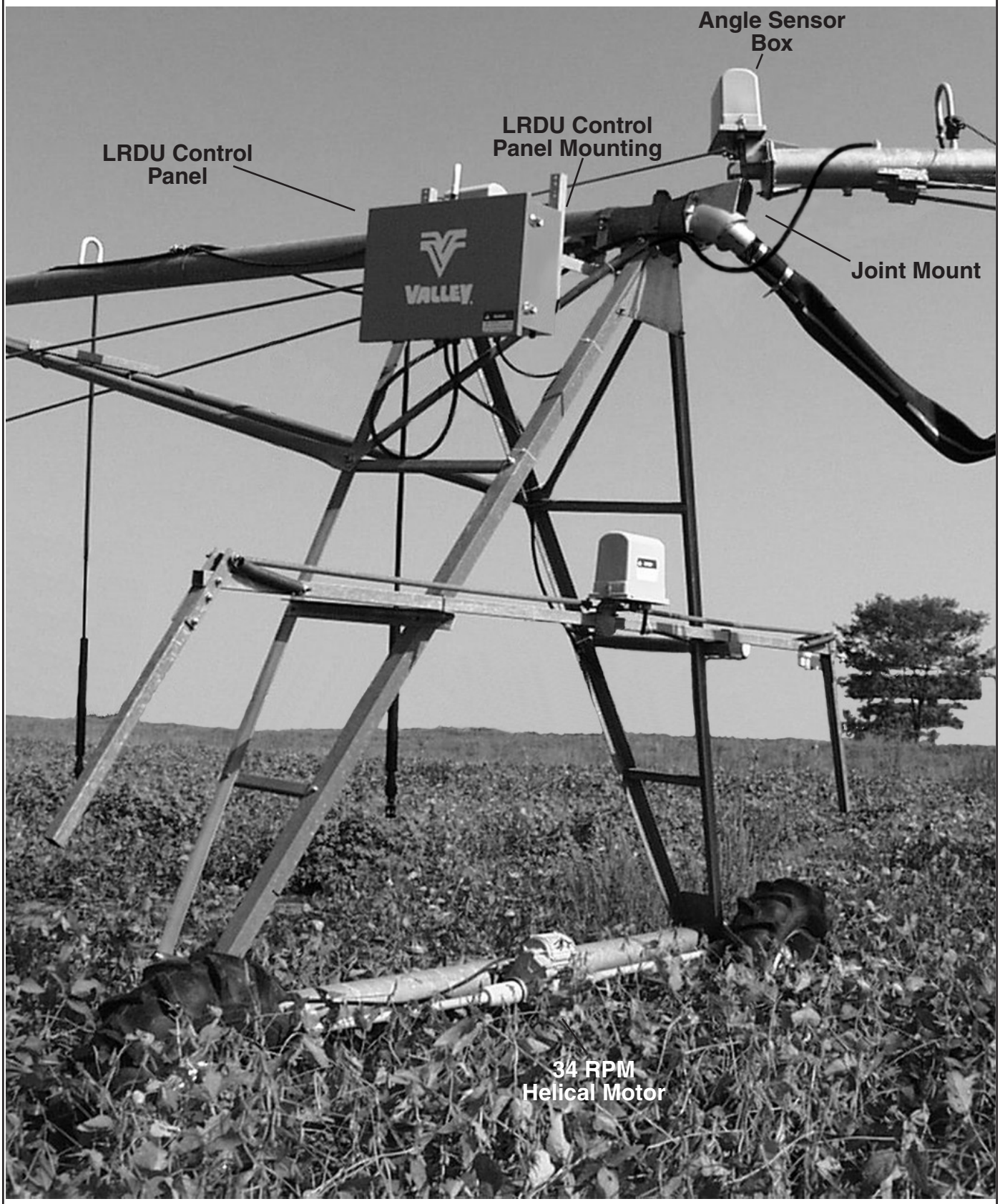
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Orientation

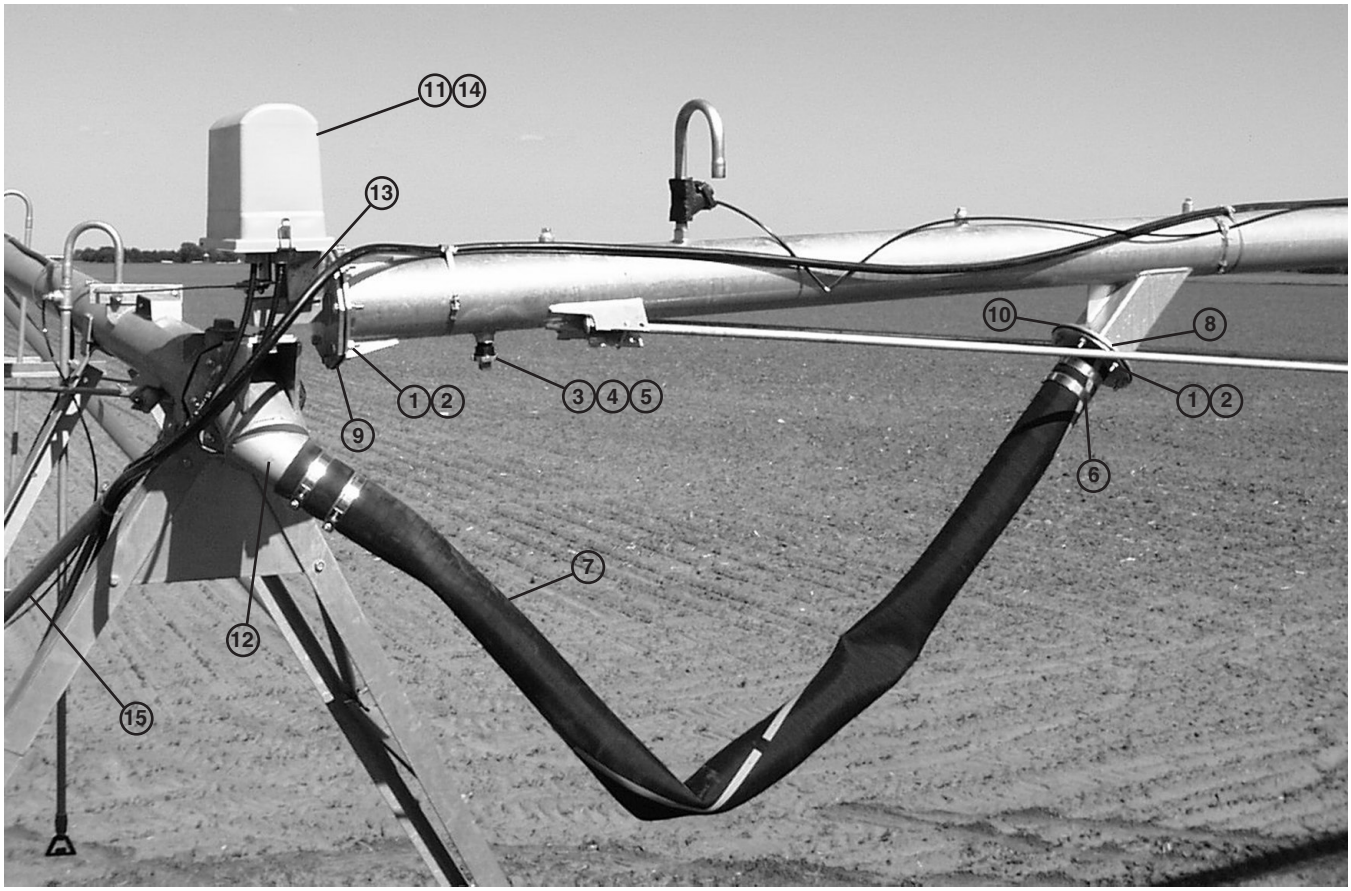


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Last Regular Drive Unit (LRDU)



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ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005
2	1/2" x 2" Cap Screw	0161024
3	Drain Seal	0232568
4	Lower Drain Body	0232004
5	Upper Drain Body - Plastic	0246170
6	4-1/2" Flex Joint Clamp (w/Liner)	0270001
7	Hose, High Pressure - 4-1/2" I.D.	0272010
8	6" Pipe Rubber Gasket	0991016
9	6-5/8" Flat Gasket	0992211
10	6" Stub Assembly	1751071
11	Angle Sensor Box	9310431
12	LRDU Inlet Support	9360529
	LRDU Inlet Support - Inverted	9360617
13	Socket Mount	9360535
14	Tower Box Cover - UL	9311146
15	Heavy Duty LRDU Diagonal Brace	9361138

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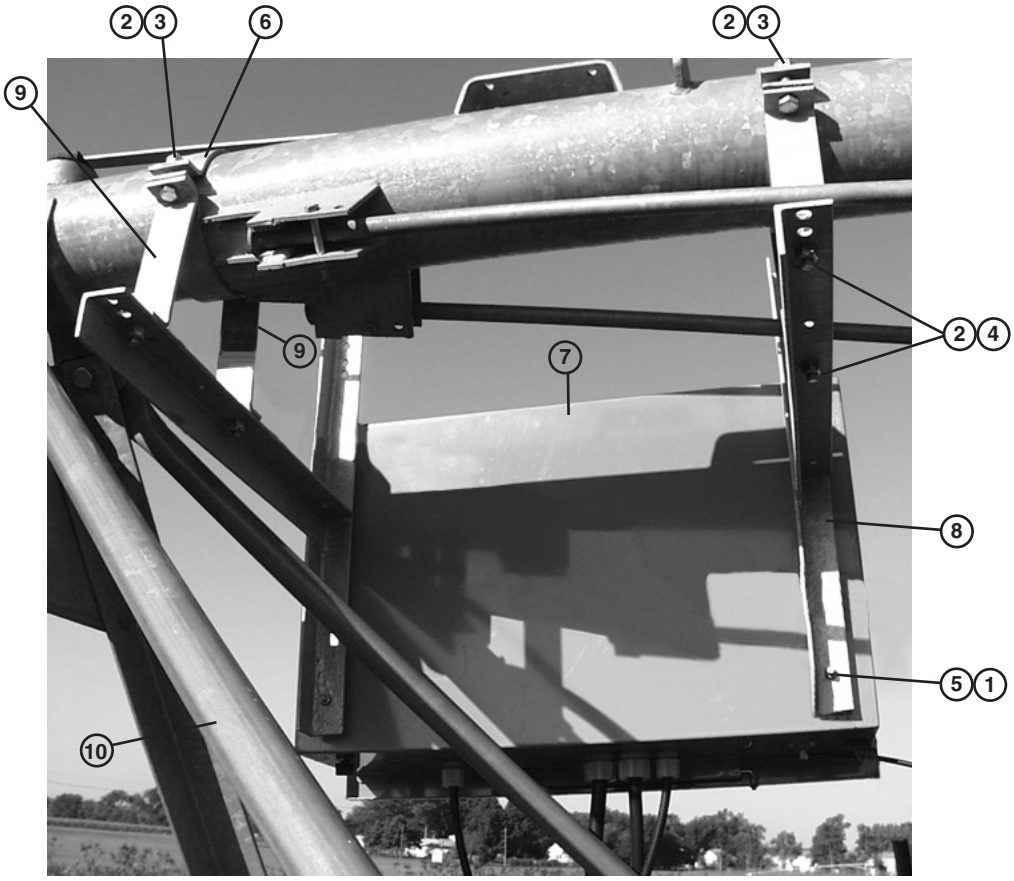


ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005
2	5/8" Lock Nut	0133010
3	3/4" Lock Nut	0133011
4	1" Flat Washer	0142020*
5	5/8" x 1-3/4" Cap Screw	0161088
6	3/4" x 1-3/4" Cap Screw	0161139
7	1" x 1-3/4" Cap Screw	0161331*
8	1/2" x 1-1/4" Cap Screw	0161027
9	6-5/8" Flat Gasket	0992211
10	Ball & Keeper Assembly	1750645*
11	Angle Sensor Box	9310431
12	Angle Alignment Guide	9360573
13	Control Arm	9360861
14	Potentiometer (5K)	03E2023

* Bolt-on parts are required onlyon those machines shipped prior to Jan 1999. These parts are now included in assembly 9360529 (Std) or 9360617 (Inverted Inlet Support) shown on "Joint Mount & Inlet" page in this section.

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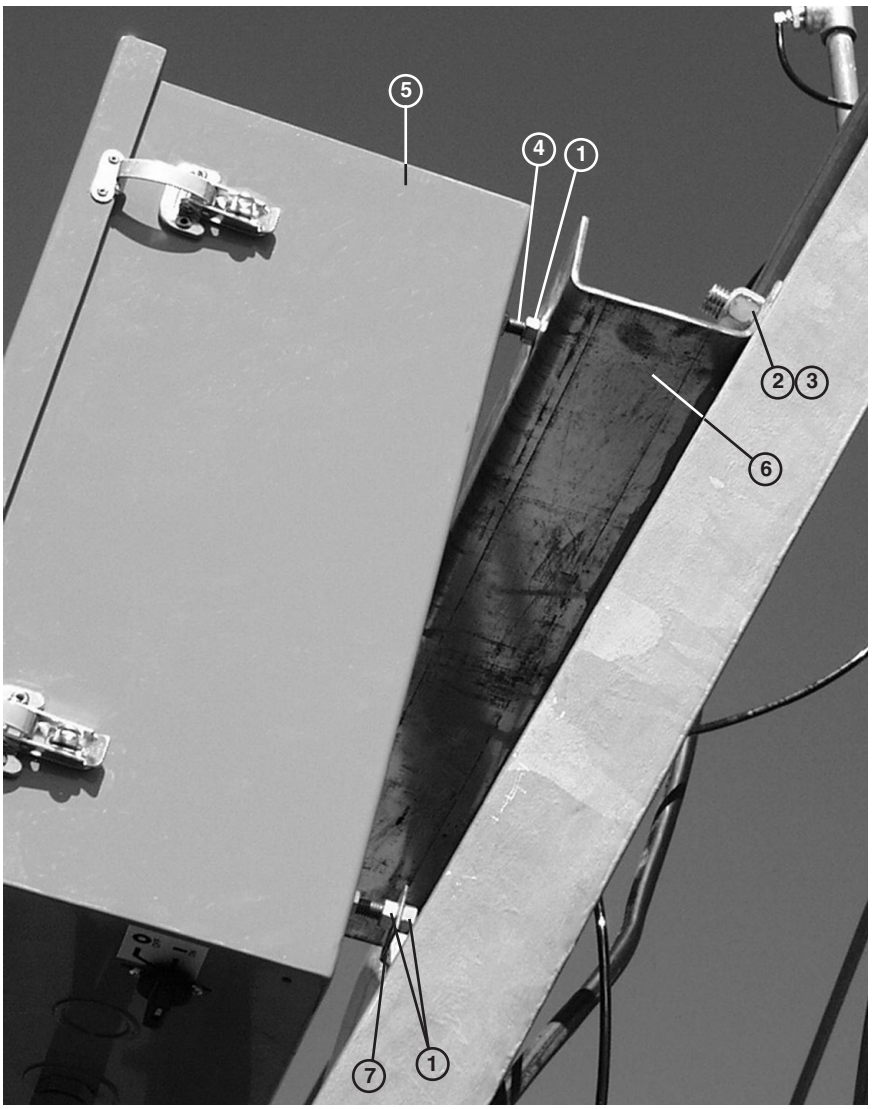
EFFECTIVE
August 1998

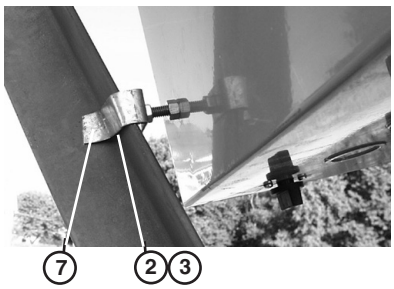


ITEM	DESCRIPTION	PART#
1	3/8” Hex Nut	0131018
2	1/2” Lock Nut	0133005
3	1/2” x 2-1/2” Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
4	1/2” x 1-1/4” Cap Screw	0161027
5	3/8” x 16 x 2” Long Threaded Rod	0994523
6	6” Half Clamp	1902010
	6-5/8” Clamp	1720290
	8” Half Clamp	1702522
	8-5/8” Pipe Clamp	9330002
7	Corner LRDU Control Panel (2 HP) - DISCONTINUED	9310585 *
	Corner LRDU Control Panel (3 HP)	9311020
8	Corner LRDU Panel Mount	9360895
9	Corner LRDU Control Panel Standoff	9360896
10	Heavy Duty LRDU Diagonal Brace	9361138

* NOTE: 9310585 replaced by 9311020.

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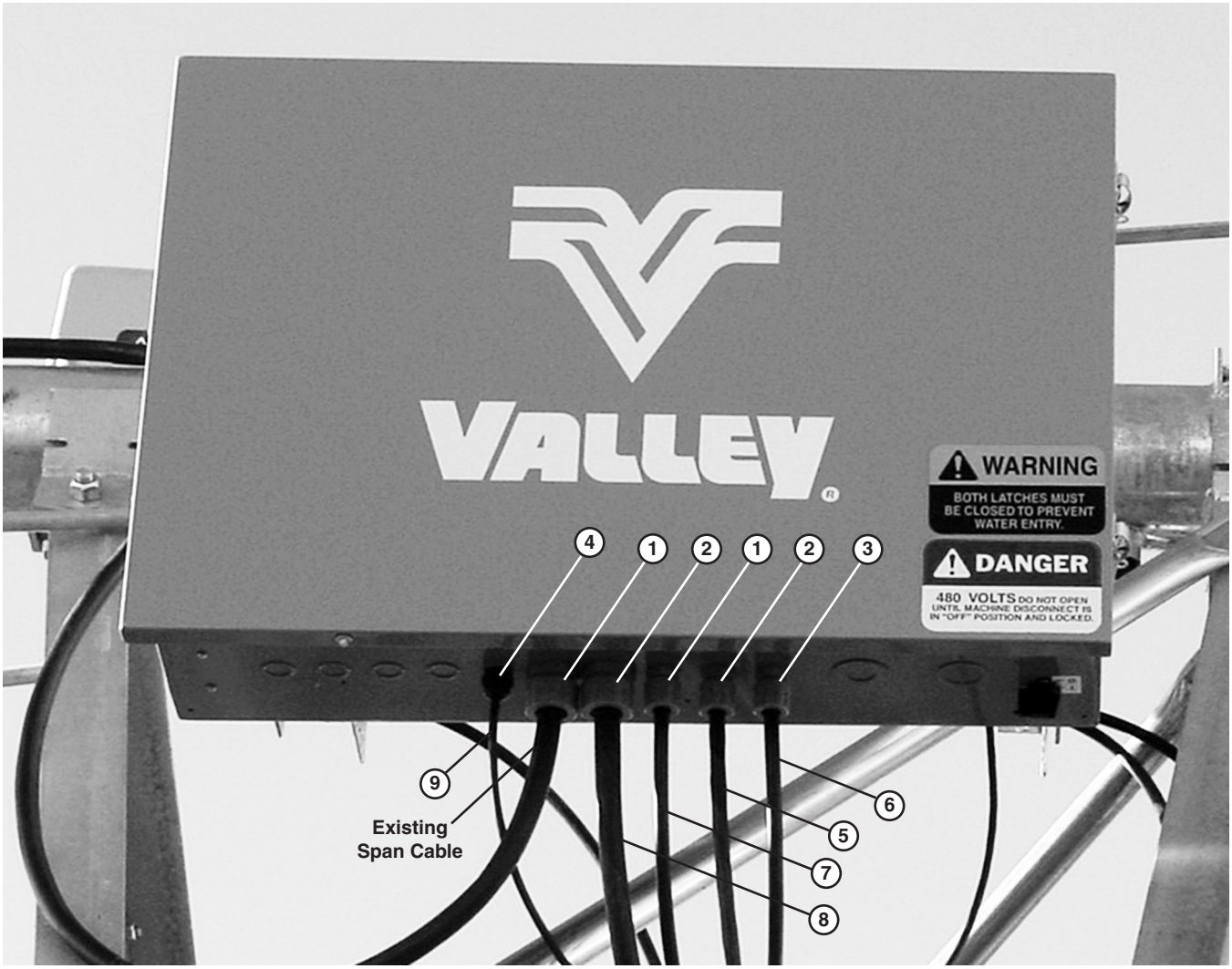




PRIOR TO
August 1998

ITEM	DESCRIPTION	PART#
1	3/8" Hex Nut	0131018
2	3/4" Lock Nut	0133011
3	3/4" x 2-1/2" Cap Screw	0161159
4	3/8"-16 x 2" Threaded Rod	0994523
5	Corner LRDU Control Panel (2 HP) VSD - DISCONTINUED	9310585
	Corner LRDU Control Panel (3 HP) VSD	9311020
6	LRDU Panel Mount Bracket	9360667
7	Panel Mount Clip	9360764

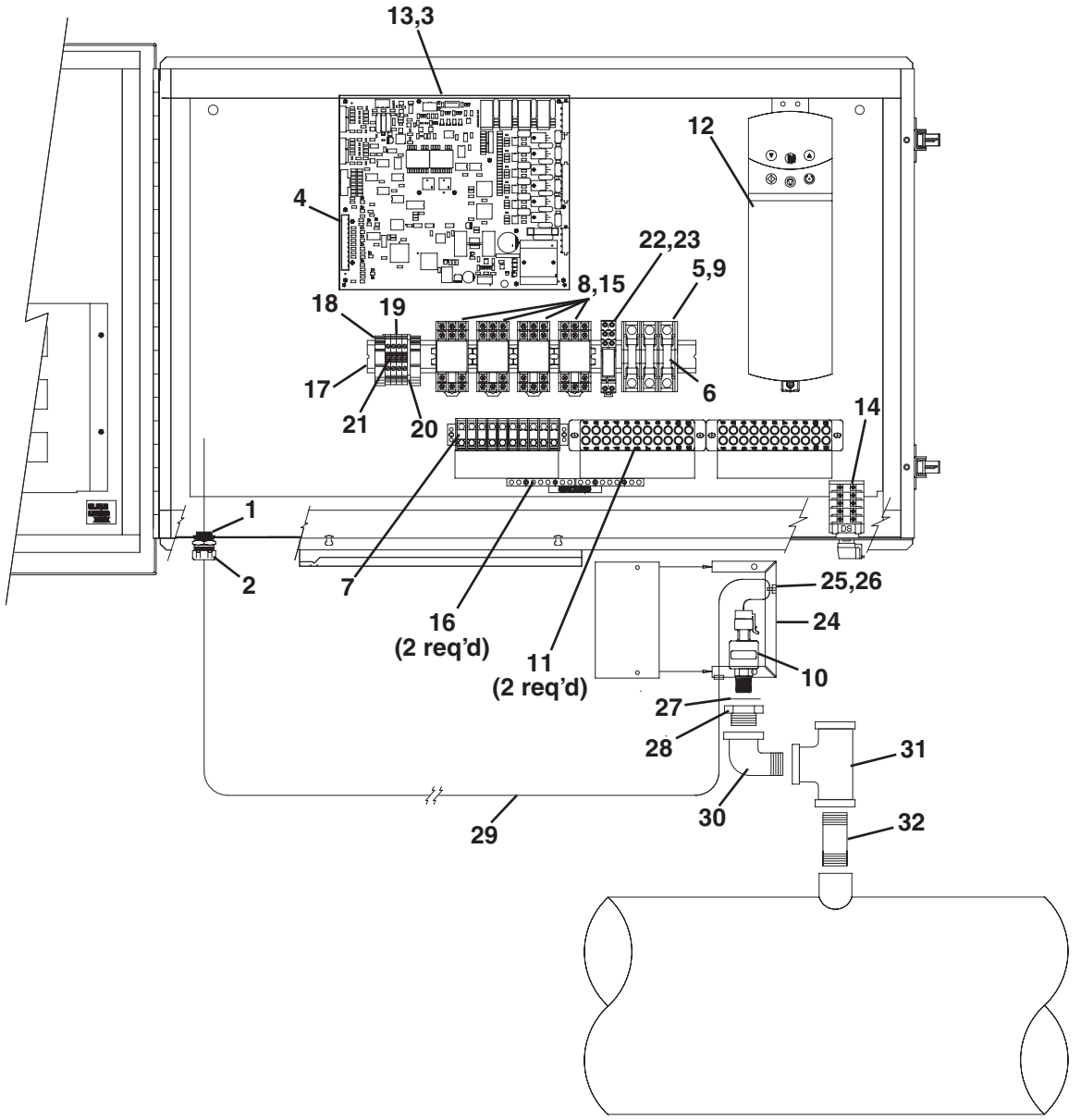
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ITEM	DESCRIPTION	PART#
1	1" Strain Relief Hub	0314466
2	3/4" Strain Relief Hub	03E2481
3	1/2" Cord Connector Hub	0314119
4	1/2" Cord Connector Hub	03E2132
5	Electrical Cable - 4 Cond. 14 Ga. (20'-6")	1812008
6	Electrical Cable - 4 Cond. 14 Ga. (13'-4")	1811455
7	Electrical Cable - 4 Cond. 18 Ga. (196'-0")	1814321
	Electrical Cable - 4 Cond. 18 Ga. (216'-0")	1814320
8	Electrical Cable - 12 Cond. 10 Ga. (196'-0")	1814325
	Electrical Cable - 12 Cond. 10 Ga. (216'-0")	1814324
9	Pressure Transducer Cable - 3 Cond. 18 Ga. (15'-0")	9311054

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Functional Area	Assembly / Part	Rev# 10-13
LRDU - Electrical Detail	Electrical Panel - 2 HP VSD	



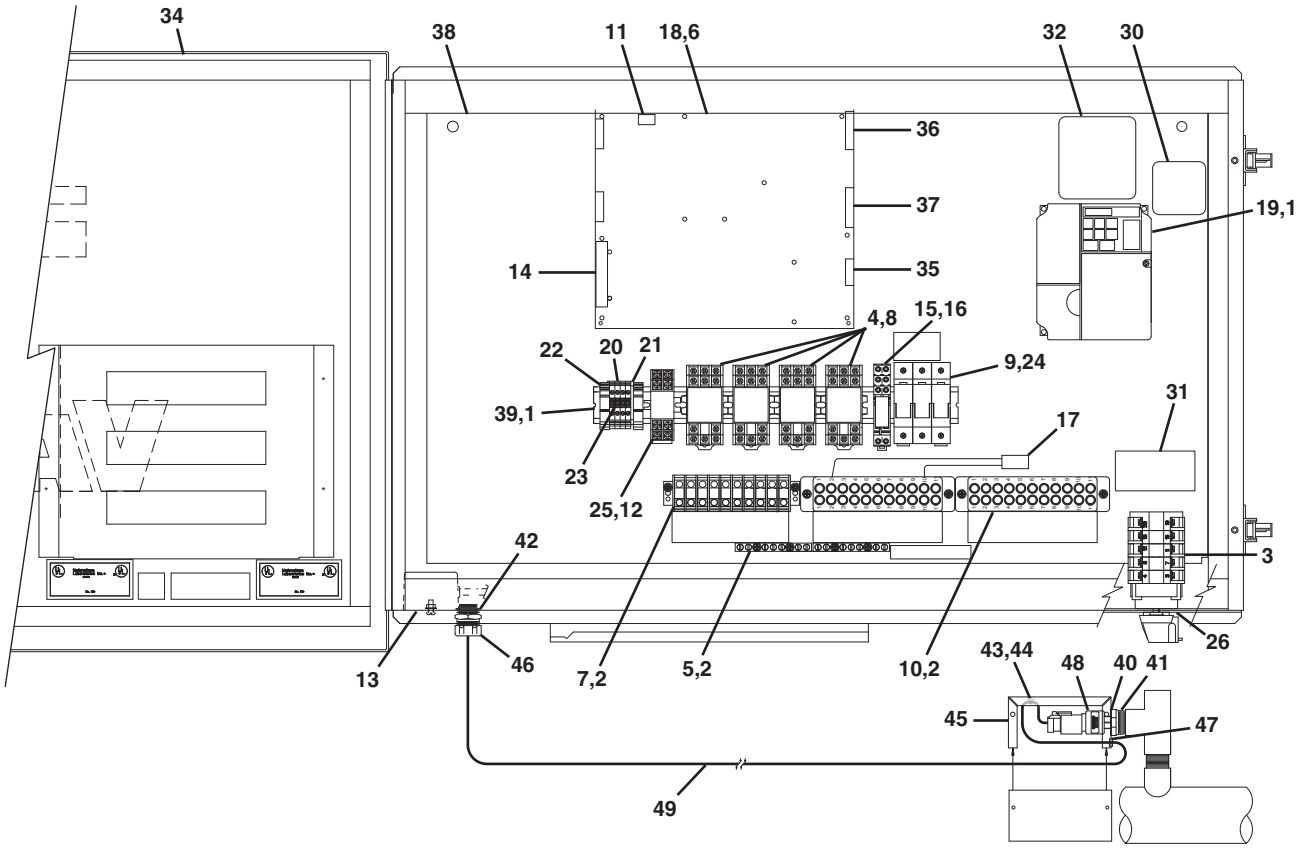
ITEM	DESCRIPTION	PART#
1	1" to 1/2" Reducer Washer	0143046
2	Anchor Coupling	0245060
3	Circuit Board Spacer	03E0412
4	12 Pole Terminal Strip Plug	03E1612
5	Fuse Block Din Rail Adapter	03E1613
6	Fuse - 5.6 Amp 600 V	03E1734
7	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
8	Relay Socket - 3 PDT 11 Pin	03E1650
9	3 Pole Fuse Block - 600 V	03E1735
10	Pressure Transducer	03E2144
11	Terminal Block	03E1899
12	2 HP Variable Speed Drive (VSD)	9310609
13	Smart Tower PCB v1.40 - Corner	03E2301
14	Power Disconnect	0314540
15	Relay - 120 V	0314936
16	Ground Lug - 7 Terminal	0315120
17	Din Rail Mount Channel - 17" Long	9310607
18	End Bracket Dinrail Mount	03E2996
19	Terminal Block Dinrail Mount	03E2994
20	End Cover Dinrail Mounted	03E2995

ITEM	DESCRIPTION	PART#
21	4 Pole Dinrail Mounted Terminal Block Jumper	03E2996
22	Relay Socket	03E2231
23	Relay	03E2230
24	Pressure Transducer Enclosure	03E2131
25	Cable Tie Holder (Adhesive)	03E0046
26	Cable Tie	03E1605
27	1/2" Flat Washer	0142026
28	Reducing Bushing-3/4" NPT x 1/4" NPT	0244046
29	Pressure Transducer Cable	9310705
30	Street Elbow 3/4" NPT x 90°	0241012
31	Tee - 3/4" x 3/4" x 3/4"	0242002
32	3/4" x 2" Nipple	0211014
	Terminal Strip Decals & Ground Lug Decal	0996007 **
	COMP. Control Panel Assm. - DISCONTINUED	9310585

* NOTE: Replaced by 9311020 (on following page).

**NOTE: Decals included on 1 sheet for reorder purposes.

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ITEM	DESCRIPTION	PART#
1	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
2	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
3	Power Disconnect Switch	0314540
4	Relay - 120 V	0314936
5	Ground Lug - 7 Terminal	0315120
6	Circuit Board Spacer	03E0412
7	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
8	Relay Socket - 3 PDT 11 Pin	03E1650
9	Fuse - 5.6 Amp 600 V	03E1734
10	Terminal Block - 11 Terminal	03E1899
11	3 Pole Terminal Strip Plug	03E2038
12	Relay Socket - 2 Pole 10A 300V	03E2107
13	Inclinometer - 5 VDC	03E2180
14	LRDU Drive Power Harness w/ Resistor	03E2182
15	Relay	03E2230
16	Relay Socket	03E2231
17	Suppressor - .1MPD/470 OHMS	03E2232
18	Smart Tower PCB - Corner	03E2301
19	3 HP Variable Speed Drive w/Harness	03E2745
20	Terminal Block Dinrail Mount	03E2994
21	End Cover Dinrail Mounted	03E2995
22	End Stop Dinrail Mount	03E2996
23	4 Pole Dinrail Mounted Terminal Block Jumper	03E2999
24	3 Pole Fuse Block - 600 V	03E3443
25	Relay w/Indicator - DPDT 120VAC	03E4197
26	Decal - Disconnect	0992090
27	Decal - Warning - Water Entry Prevention	0996074*
28	Decal - Quick Reference Guide	0996384*
29	Decal - Inverter Error Code	0996478*

ITEM	DESCRIPTION	PART#
30	Decal - Electrical Specs.	0997164
31	Decal - Terminal Block Torque	0998450
32	Decal - Danger Capacitors	0999121
33	Decal - Danger High Voltage/Arc Flash Warning	0999122*
34	Standard Enclosure w/o Inner Door Assm.	9310263
35	Power In Harness - 4 Pin 3 Wire	9310443
36	LRDU Harness - 5 Pin Relay Input	9310444
37	LRDU Harness - 6 Pin 120 VAC Output	9310445
38	Control Box Backpanel	9310459
39	Din Rail Mount Channel - 14" Long	9311015
40	1/2" Flat Washer	0142026[1]
41	Reducer - 3/4" x 1/4" Plastic	0244046[1]
42	1/2" Romax Nut	0314160[1]
43	Cable Tie Holder - Adhesive	03E0046[1]
44	Cable Tie - 5.50" Plastic	03E1605[1]
45	Pressure Transducer Enclosure	03E2131[1]
46	Cord Connecter - 1/2" Hub	03E2132[1]
47	Bushing	03E2133[1]
48	Pressure Transducer - 0 - 200 psi	03E2331[1]
49	Pressure Transducer Cable - UL	9311054[1]
50	Electrical Wiring Harness	0314225*

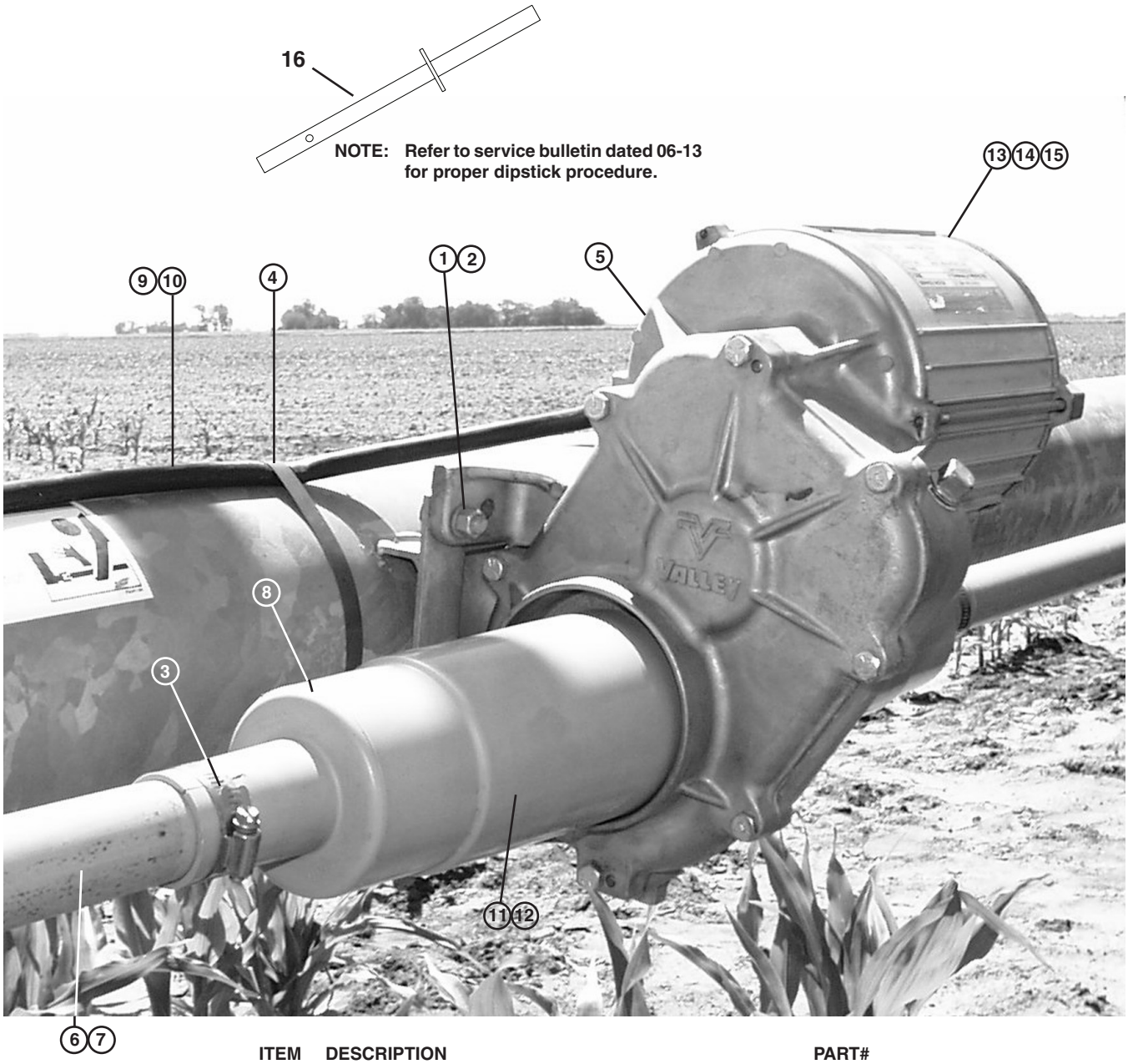
Terminal Strip, Ground Lug & Fuseblock Decals .. 0996007
(Decals included on 1 sheet for reorder purposes)

Corner LRDU Control Panel Assm. 9311020

[1] PSI Transducer Assembly Kit 931K738

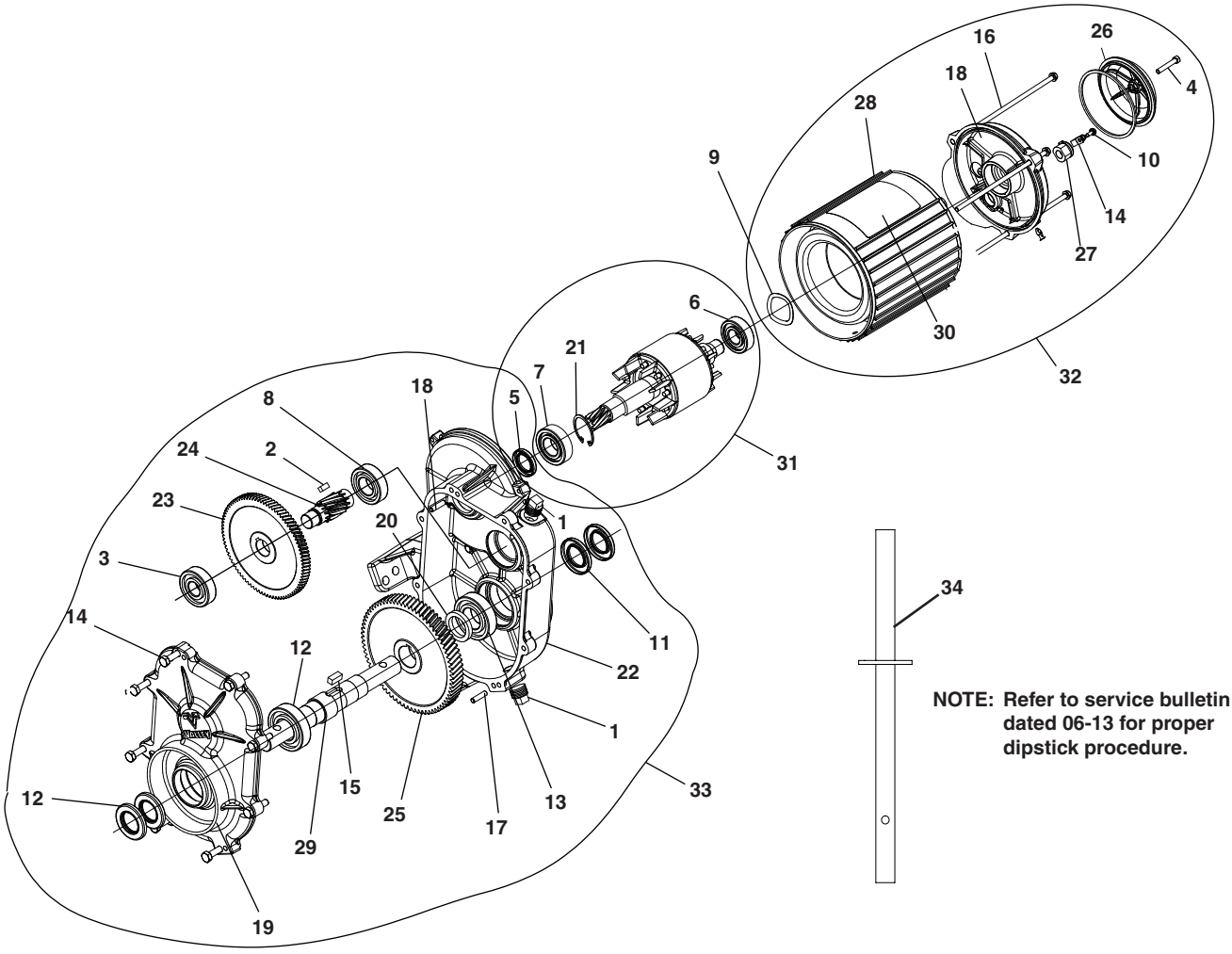
* NOTE: Not shown in illustration.

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ITEM	DESCRIPTION	PART#
1	3/8" Lock Nut	0133006
2	3/8" x 1-1/2" Cap Screw	0161082
3	Hose Clamp - 1-1/16" to 2"	0271013
4	Hydraulic Tube Clamp - 24" for 6" Pipe	0271021
5	Motor/Gearbox - 1 HP - 43 RPM	03E2137
	Motor/Gearbox - 2 HP - 34 RPM	03E2227
6	Drive Shaft Shield (Standard)	0992715
7	Drive Shaft Shield (Low Profile)	0992716
8	U-Joint Shield	1702614
9	Motor Cable (Low Profile)	1811455
10	Motor Cable (Standard Profile)	1812008 ...
11	Heavy Duty Flex Joint w/Pin Assembly	KA01300
12	Heavy Duty Flex Joint Insert	0996201
13	Water-Proof King Electrical Wire Connector	03E2332
14	Scotch 70 Self-Fusing Tape	03E2306
15	3M Scotchkote Electrical Coating	03E2305
16	Helical Center Drive Dipstick	0998886

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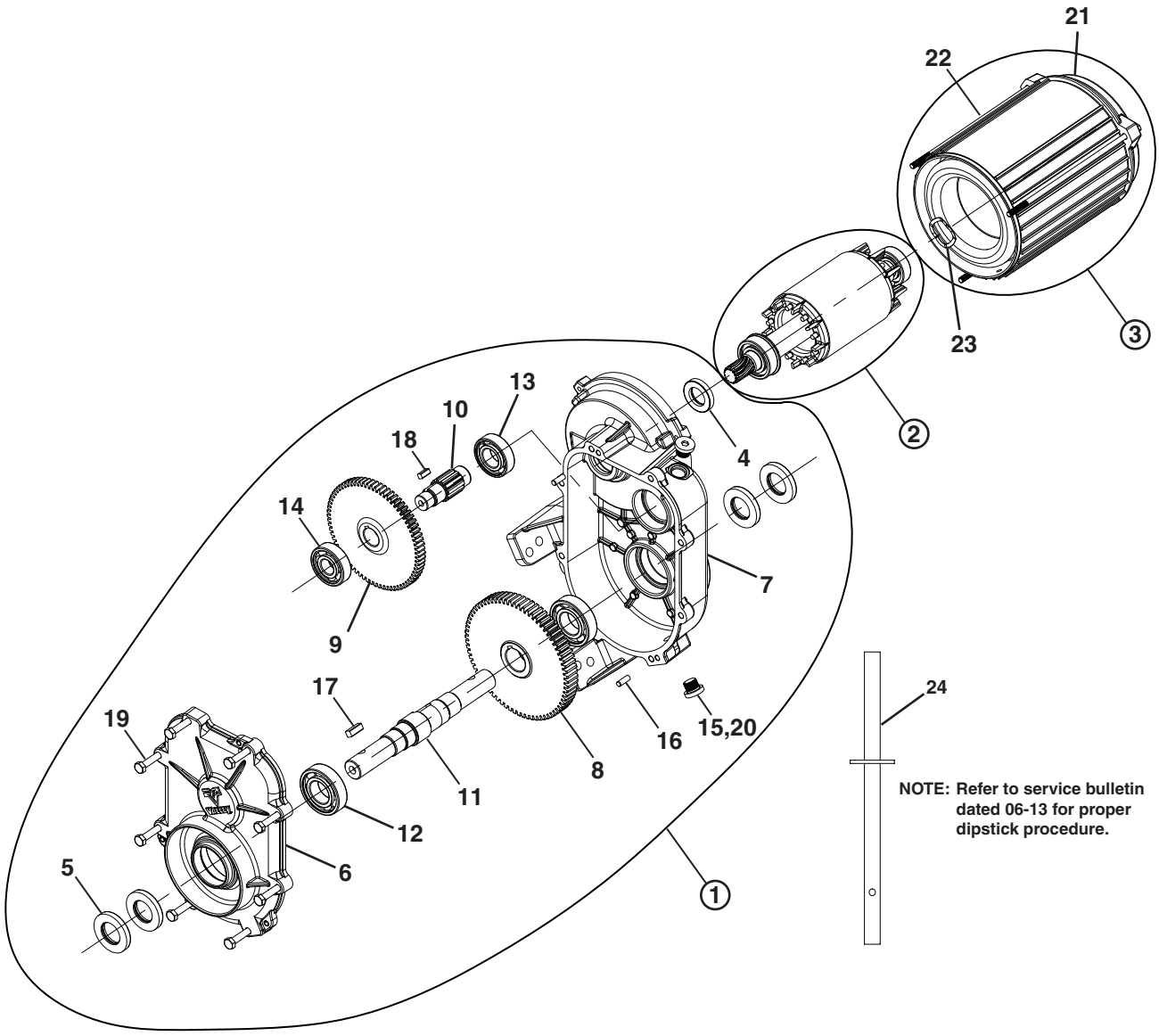
NOTE: Refer to service bulletin dated 06-13 for proper dipstick procedure.

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	Seal - Output Shaft	03E1756
12	Bearing - Output Shaft	03E1757
13	Cap Screw - 5/16 x 1-1/4"	N/A
14	Grounding Lug	N/A
15	Key - Output Shaft	03E1758
16	Cap Screw - Stator	03E1759
17	Dowel Pin	N/A
18	End Cover	N/A
19	Cover - Gear Case	N/A
20	Spacer - Bearing to Gear	03E1761
21	Snap Ring - 34 RPM	0257020
	Snap Ring - 43 RPM	0257021

ITEM	DESCRIPTION	PART #
22	Gear Case - 34 RPM	03E1860
	Gear Case - 43 RPM	03E2097
23	Gear - Intermediate - 34 RPM	03E1763
	Gear - Intermediate - 43 RPM	03E2098
24	Gear and Shaft - Intermediate	03E1764
25	Gear - Output	03E1765
26	Cover with Gasket - Wire Junction Box	03E2156
27	Wire Grommet	N/A
28	Stator (See #32)	N/A
29	Output Shaft	03E1768
30	Name Plate	N/A
31	Rotor Assm w/ (2 Brgs & Seal) - 34 RPM	03E2229
	Rotor Assm w/ (2 Brgs & Seal) - 43 RPM	03E2138
32	Stator Module Assembly - 34 RPM	03E2228
	Stator Module Assembly - 43 RPM	03E2139
33	Gearbox Assembly (34 RPM)	03E1555
	Gearbox Assembly (43 RPM)	03E2089
34	Helical Center Drive Dipstick	0998886

34 RPM Gearmotor Assembly - Inverter Duty Gearbox and Electric Motor Module	03E2227
43 RPM Gearmotor Assembly - Inverter Duty Gearbox and Electric Motor Module	03E2137

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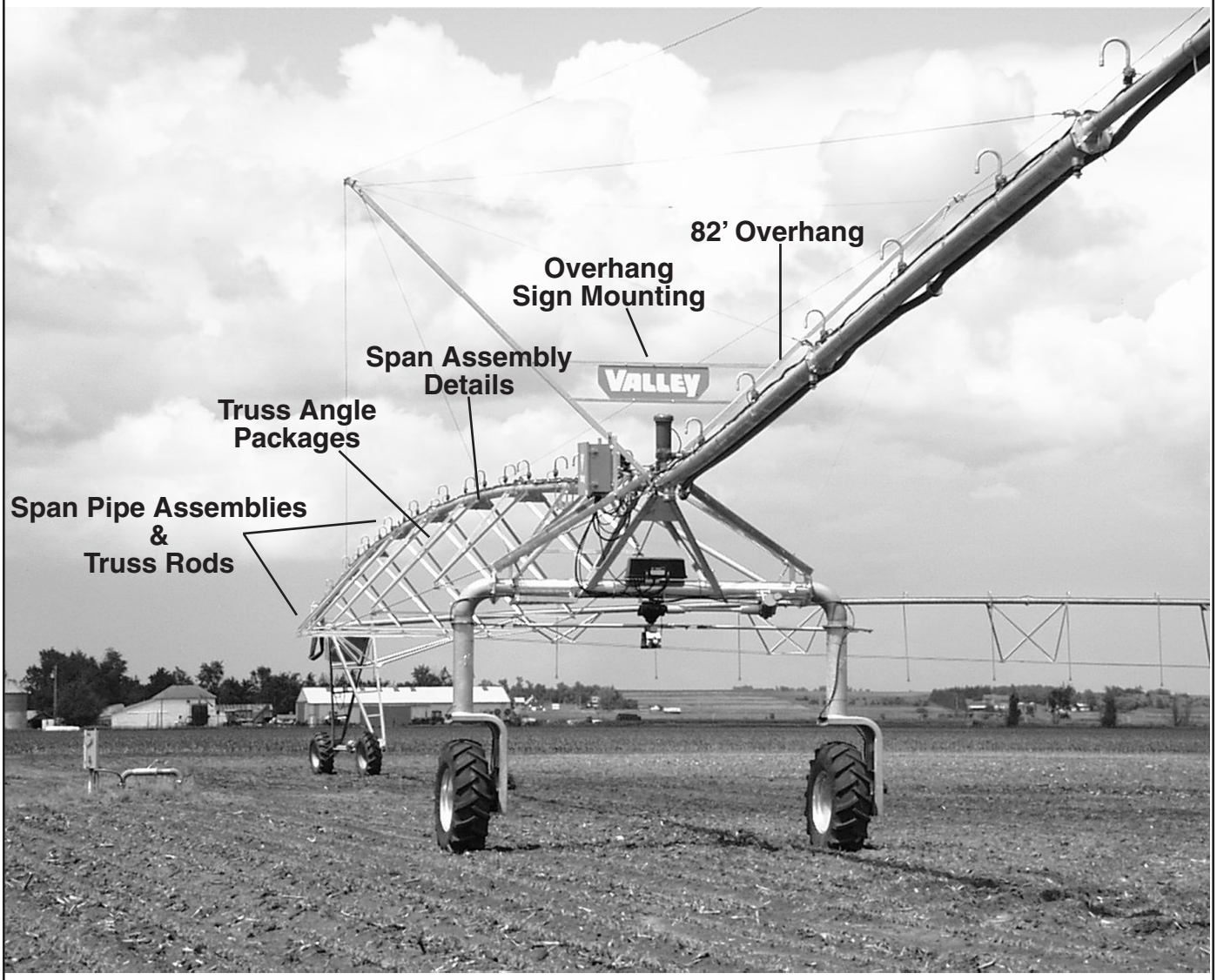


ITEM	DESCRIPTION	PART #
1	Helical Gearbox Assembly (34 RPM)	03E2465
2	Rotor Assembly - 34 RPM (Service)	03E3583
3	Stator Module Assembly - 34 RPM (Service)	03E3584
4	Input Seal	0318175
5	Output Seal	0318176
6	Cover	03E2946
7	Housing	03E3001
8	Gear - Low Speed - 73T	03E3002
9	Gear - High Speed - 86T	03E3003
10	Pinion - Low Speed - 11T	03E3004
11	Gear Shaft - Low Speed	03E3005
12	Gear Bearing - 6206	03E3006
13	Gear Bearing - 6205	03E3007
14	Gear Bearing - 6304	03E3008

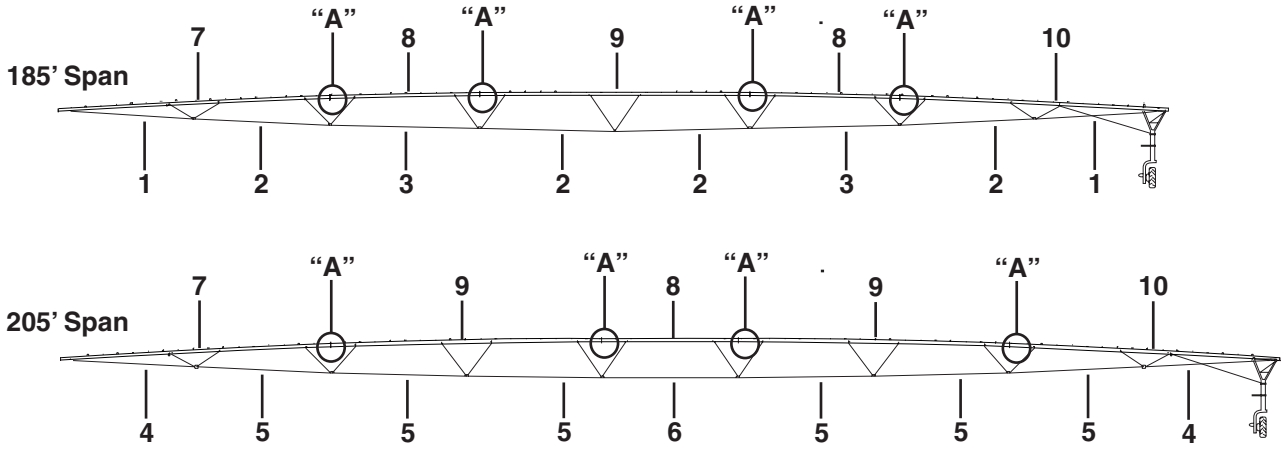
ITEM	DESCRIPTION	PART #
15	Gear Flange Plug	03E3009
16	Gear Dowel Pin	03E3010
17	8 x 7 x 23.5 Gear Key	03E3011
18	6 x 6 x 12.7 Gear Key	03E3012
19	M8 x 1.25 x 30 Bolt	03E3014
20	O-Ring	0997874
21	Lid/Gasket	03E2156
22	Cap Screw - Stator	03E1759
23	Wavy Washer	03E1754
24	Helical Center Drive Dipstick	0998886
	34 RPM Gearbox Assembly - Inverter Duty Gearbox and Electric Motor Module	03E3739

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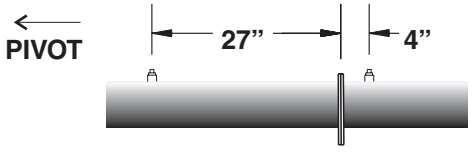
Corner Spans And Overhang



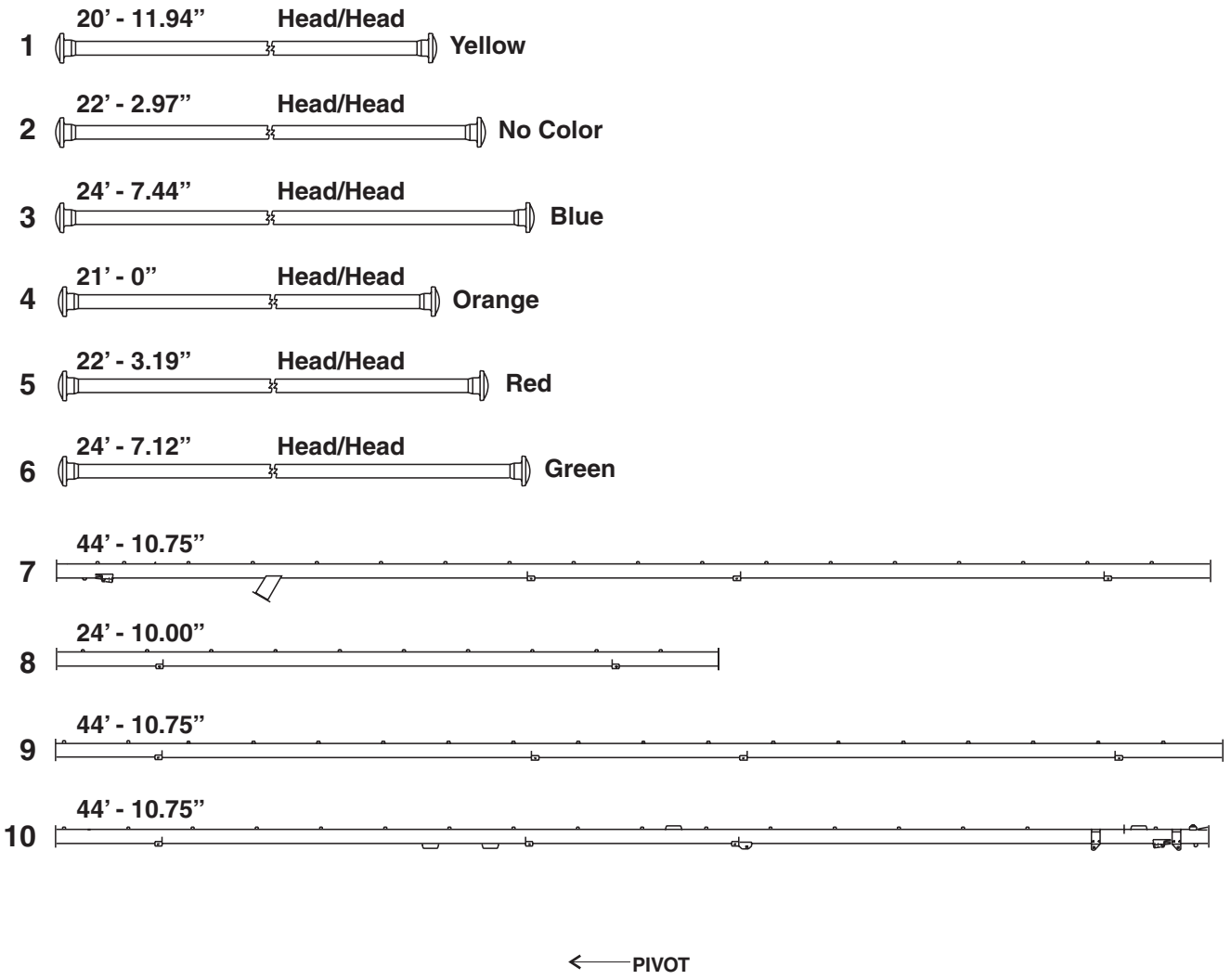
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Detail “A”
30” Spacing Pipe-to-Pipe

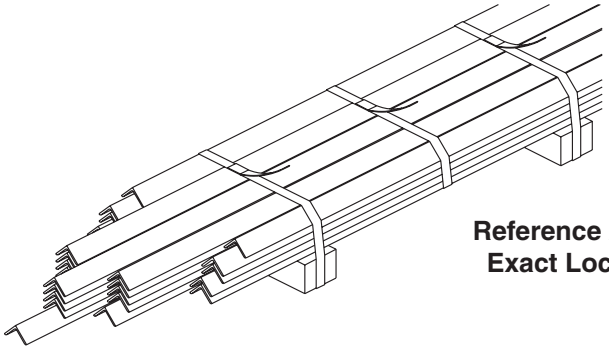


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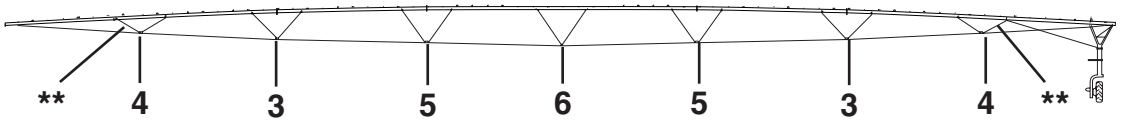
Item	Description	Part# 30"
1	3/4" Tower Truss Rod (20'-11.94")	9360060
2	3/4" Standard Intermediate Truss Rod (22"-2.97")	9360061
3	3/4" Intermediate Truss Rod (24-7.44")	9360062
4	13/16" Tower Truss Rod (21'-0")	9360064
5	13/16" Standard Intermediate Truss Rod (22'-3.19")	9360065
6	13/16" Intermediate Truss Rod (24'-7.12")	9360066
7	Inlet Pipe (44'-10.75")	9360567
8	25' Short Intermediate Pipe (24'-10.00")	9360018
9	45' Standard Intermediate Pipe (44'-10.75")	9360020
10	Last Pipe (44'-10.75")	9360893

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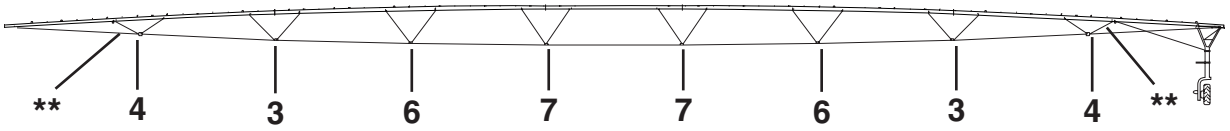


Reference Assembly Detail Page for Exact Location of Truss Packages

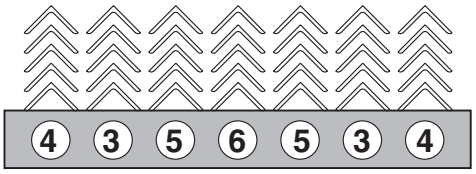
185' Span



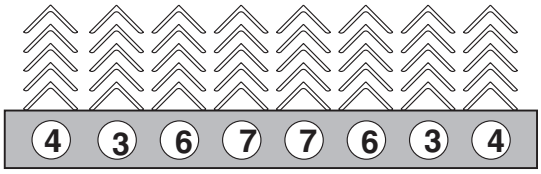
205' Span



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



185' Truss Angle span Pack (KA09025)

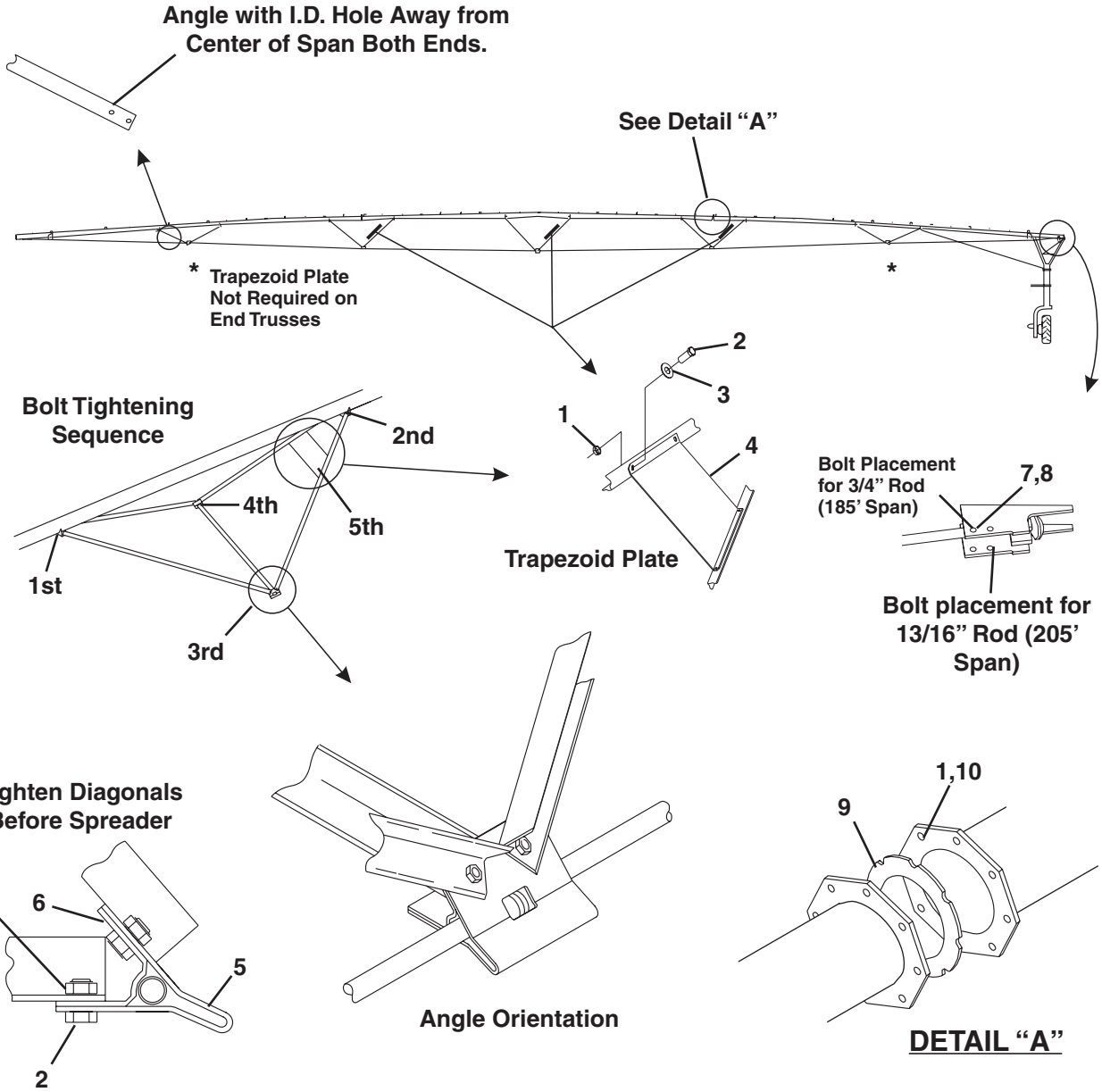


205' Truss Angle span Pack (KA09026)

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

TRUSS PKG #	DIAGONAL		SPREADER	
	PART #	OVERALL LENGTH	PART #	OVERALL LENGTH
3	9360050	82.78"	9360051	92.69"
4	9360052**	61.68"	9360053	52.25"
	9360074	58.51"	--	--
5	9360054	97.25"	9360055	115.03"
6	9360056	102.56"	9360057	122.94"
7	9360058	112.09"	9360059	136.84"

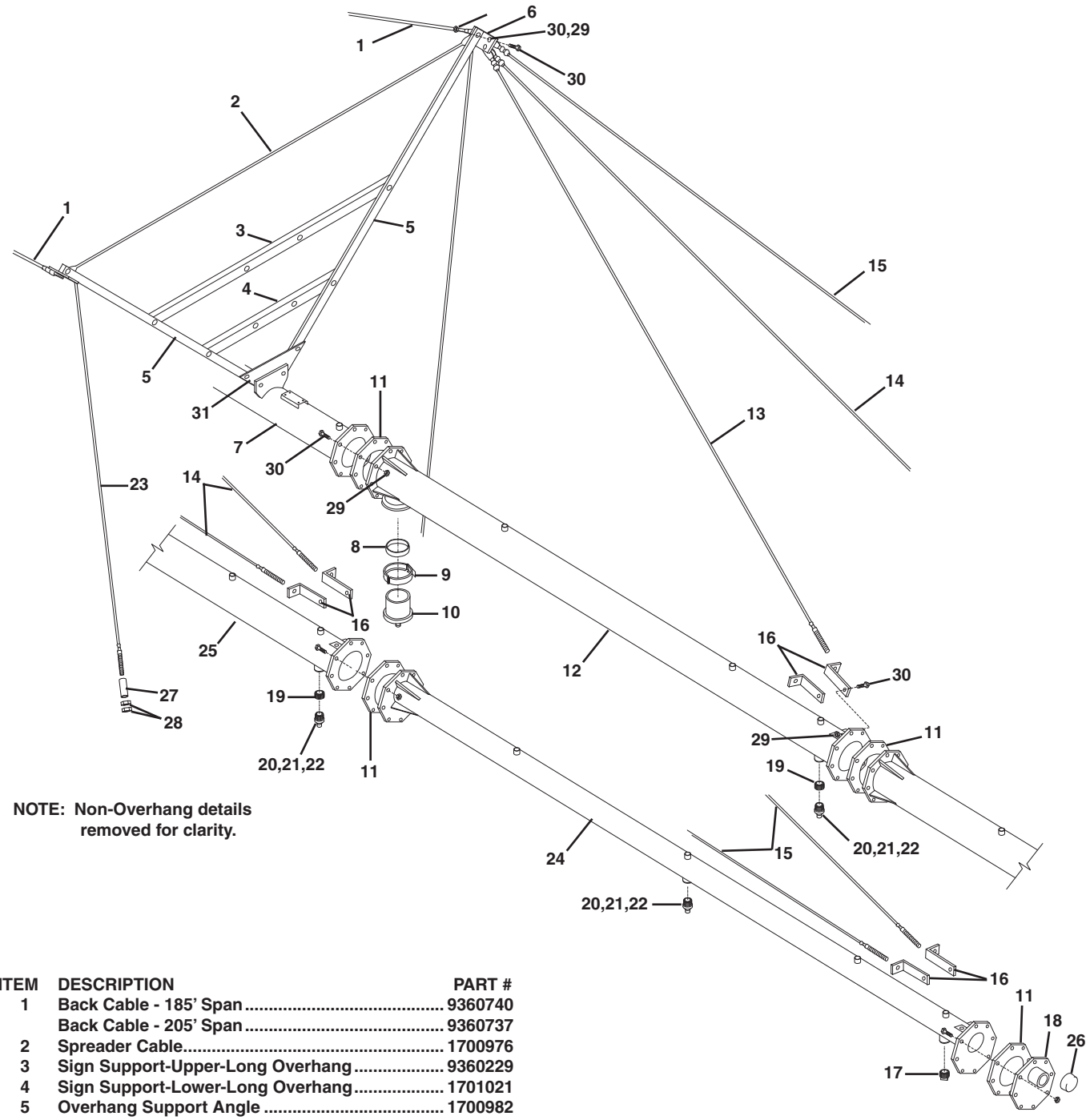
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ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	6-5/8" Gasket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

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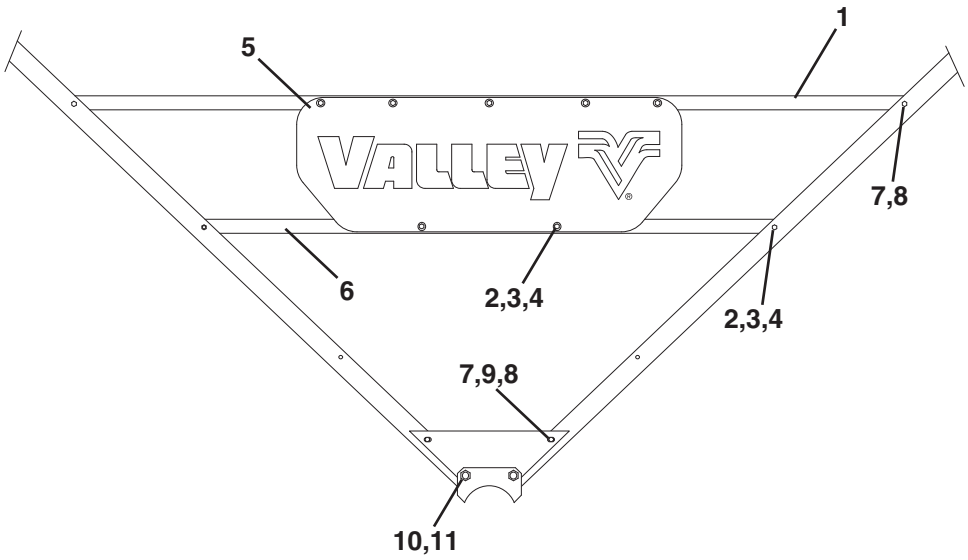
Functional Area	Assembly / Part	Rev# 02-13
Corner Overhang Detail	6-5/8” - 82' Overhang	



ITEM	DESCRIPTION	PART #
1	Back Cable - 185’ Span	9360740
	Back Cable - 205’ Span	9360737
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	Last Pipe 30" Coupler Spacing	9360893
8	4" Pierce Coupling Gasket	0221010
9	Circle Lock Ring	0992084
10	Pipeline Drain	1702117
11	6-5/8" Flat Gasket	0992211
12	27'-6-5/8” O.H. Pipe 30" Sp. w/Drain	9360646
13	Overhang Support Inner Cable	9360034
14	Overhang Support Middle Cable	1780203
15	Overhang Support Outer Cable	1780205
16	Cable Support Bracket	1900024
17	2" Pipe Plug	0246011
18	6-5/8" End Plate w/o End Gun	1800036
	6-5/8” End Plate w/ End Gun	9360136

ITEM	DESCRIPTION	PART #
19	2" x 1" Bushing	0244028
20	Upper Drain Body - Plastic	0246170
21	Drain Seal	0232568
22	Lower Drain Body	0232004
23	Support Cable	1703616
24	27'-4" Dia. O.H. Pipe 30" Sp.	1781323
25	27'-6-5/8" Dia. O.H. Pipe 30" Sp.	9360642
26	Pipe Cap	0246046
27	Guide Spacer	9360300
28	3/4” Hex Nut	0131008
29	1/2" Lock Nut	0133005
30	1/2" x 2" Cap Screw	0161024
31	Trapezoid Plate	9363792

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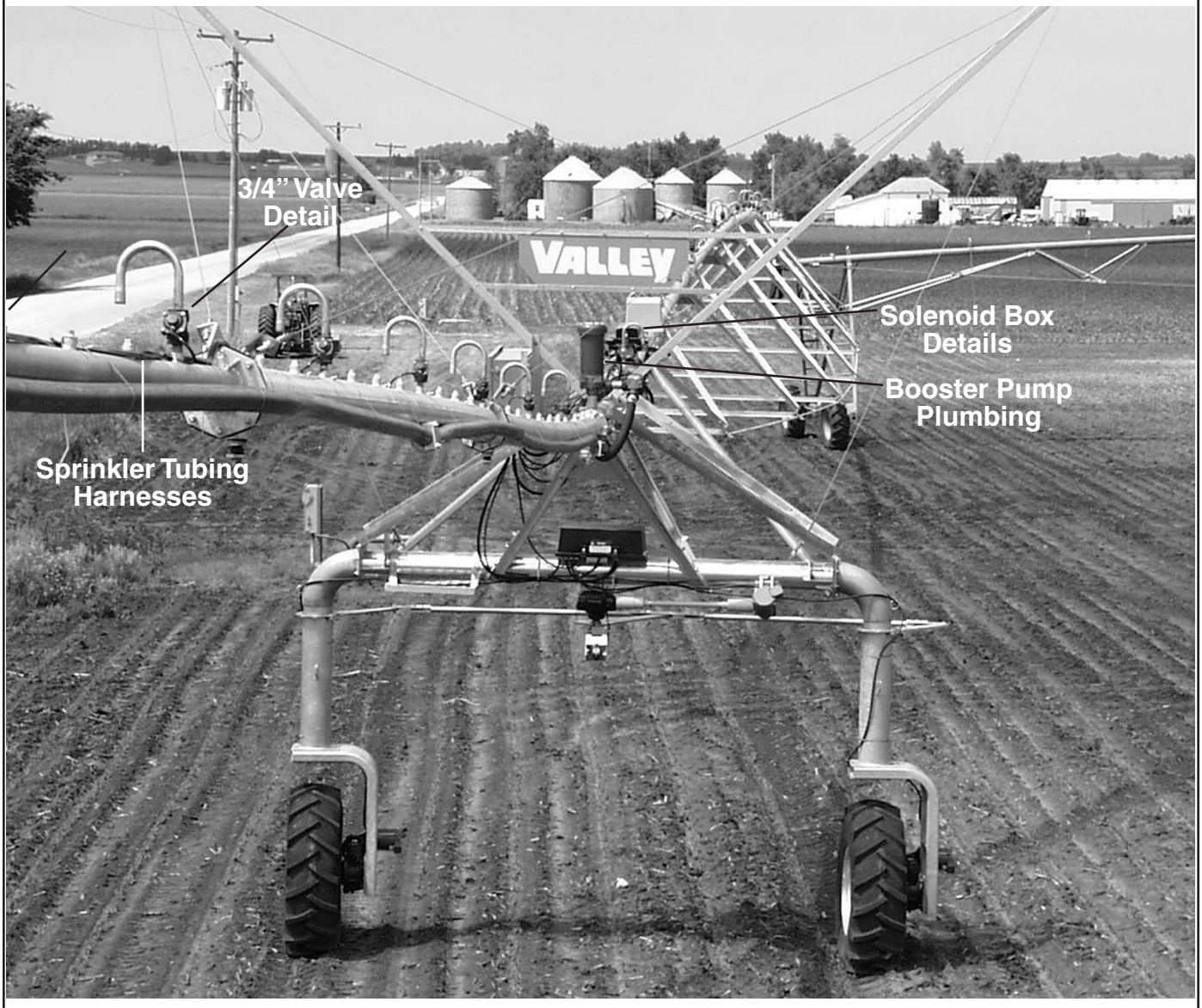




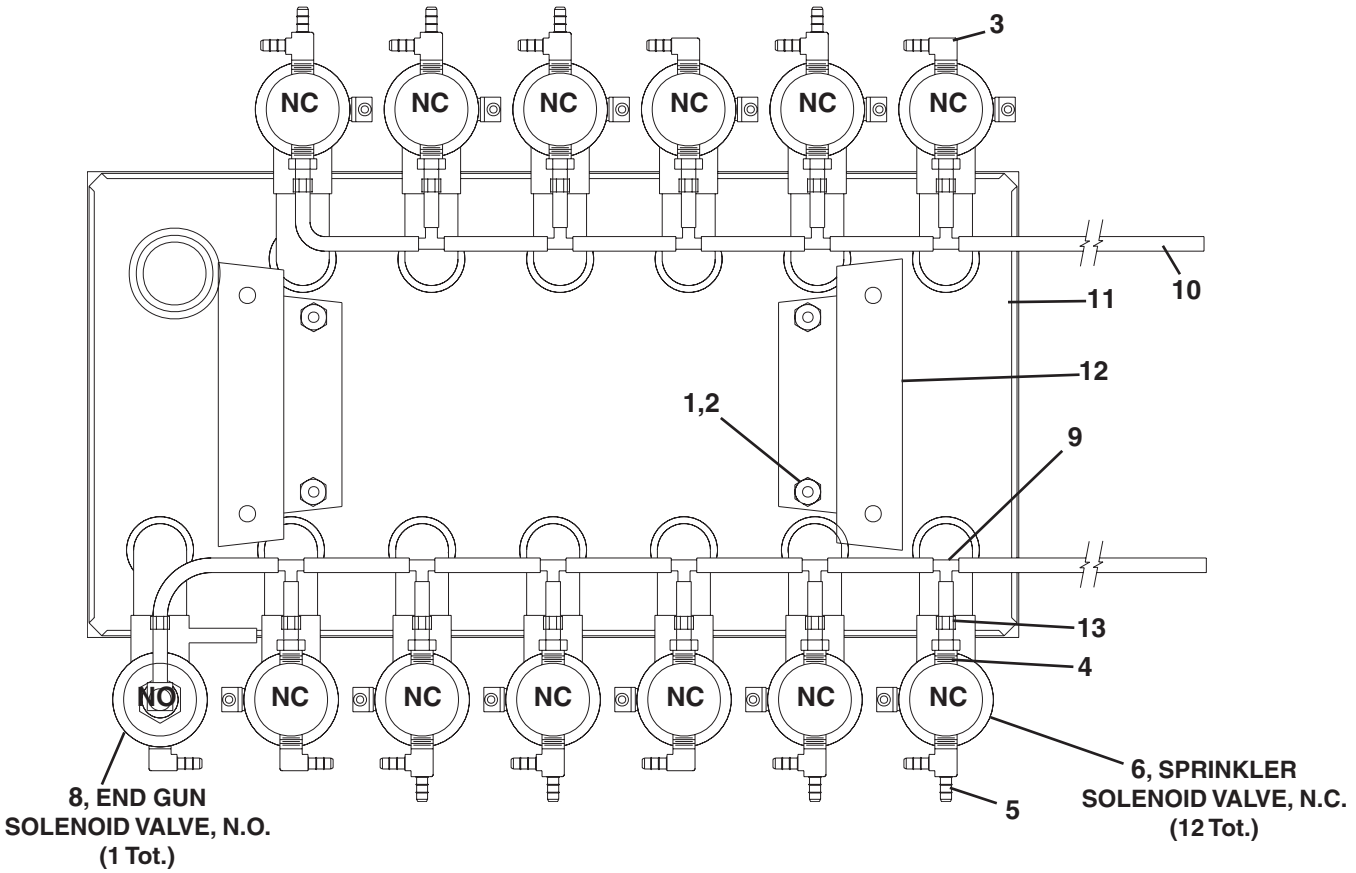
ITEM	DESCRIPTION	PART #
1	Sign Support-Upper-Long Overhang	9360229
2	5/16" Lock Nut	0133007
3	5/16" Flat Washer	0142017
4	5/16" x 1" Cap Screw	0161052
5	Valley Sign	0994656
	Valley Sign - 8000 series - DISCONTINUED Jun 18	0997285
6	Sign Support-Lower-Long Overhang	1701021
7	1/2" x 1-1/4" Cap Screw	0161027
8	1/2" Lock Nut	0133005
9	1/2" Flat Washer	0142025
10	3/4" x 1-3/4" Cap Screw	0161139
11	3/4" Lock Nut	0133011

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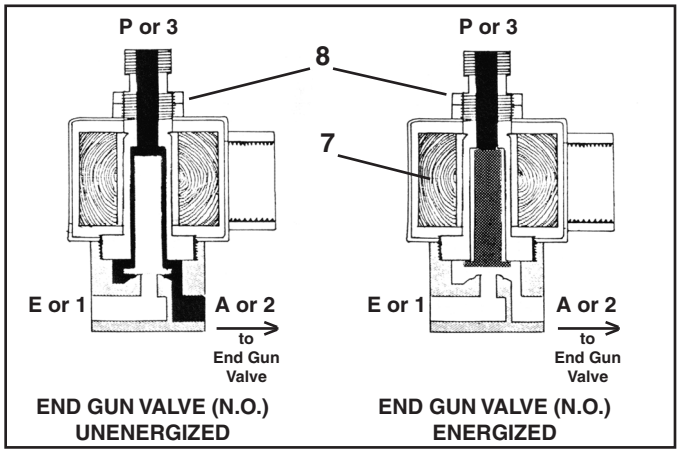
Sprinkler



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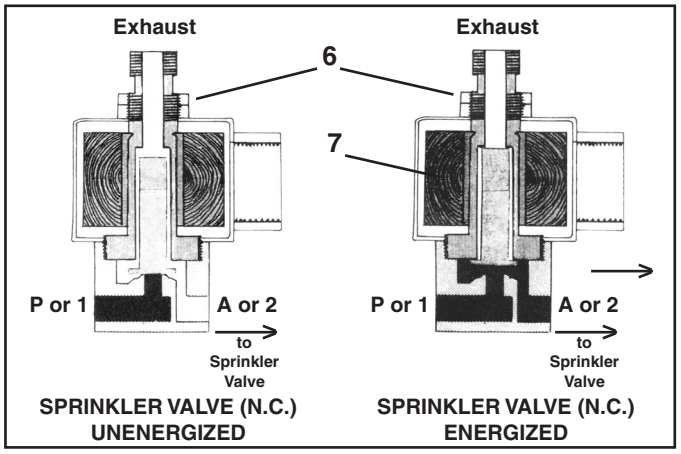
END GUN VALVE (N.O.)



END GUN VALVE (N.O.)
UNENERGIZED

END GUN VALVE (N.O.)
ENERGIZED

CORNER SPRINKLER VALVE (N.C.)

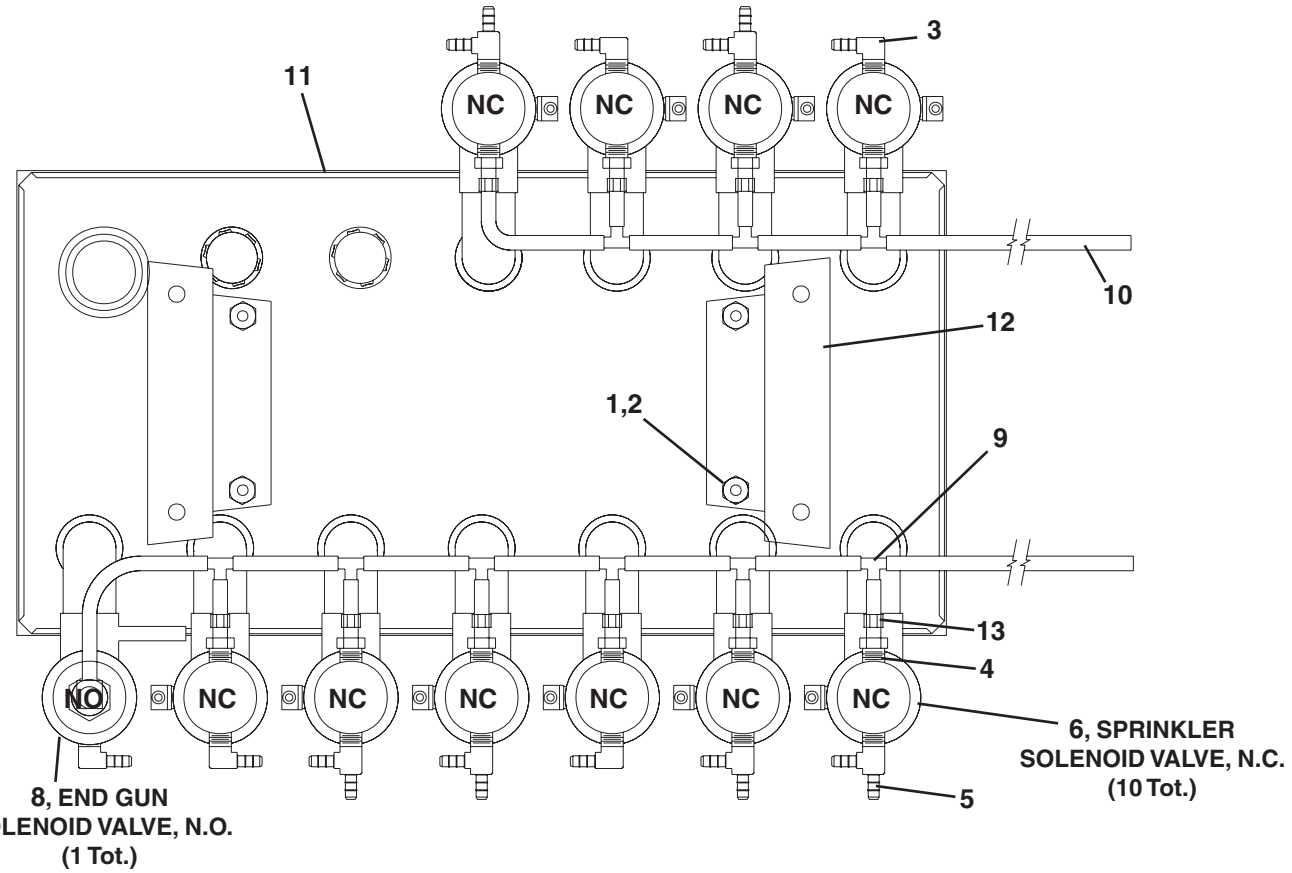


SPRINKLER VALVE (N.C.)
UNENERGIZED

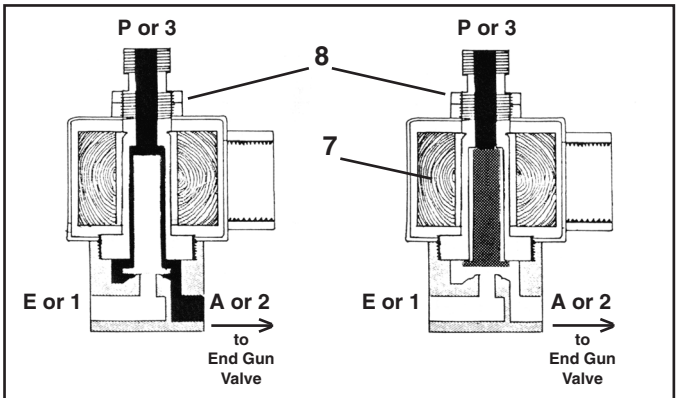
SPRINKLER VALVE (N.C.)
ENERGIZED

ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	1/4" x 3/4" Hex Bolt	0161057
3	Elbow Tube to Male Pipe Fitting	0232361
4	Connector Tube to Male Pipe	0232362
5	1/8 NPT x 1/4" x 1/4" Tee Fitting	0232367
6	COMPLETE Solenoid Valve, N.C.	0232450
7	Skinner Solenoid Valve Coil	0232451
8	COMPLETE Solenoid Valve, N.O.	0232452
9	1/4" Union Tee	0270002
10	Nylon Tubing Hose - .304" O.D. x 500'	0272050
11	Solenoid Valve Box Bottom Plate	1703807
12	Solenoid Box Corner Stand	1703808
13	Clamp	0271115
	COMPLETE Box Assembly w/o Lid	9310437
	Solenoid Box Cover Assm	1703791

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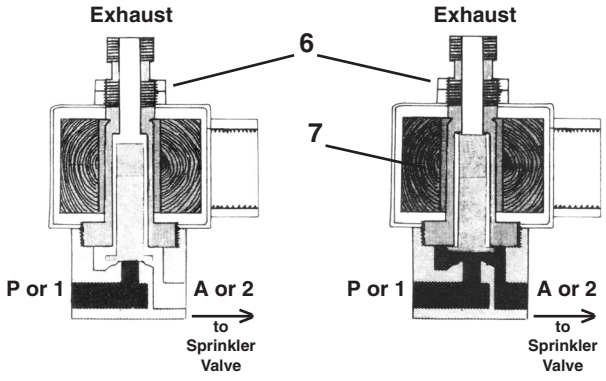
END GUN VALVE (N.O.)



END GUN VALVE (N.O.) UNENERGIZED

END GUN VALVE (N.O.) ENERGIZED

SPRINKLER VALVE (N.C.)



SPRINKLER VALVE (N.C.) UNENERGIZED

SPRINKLER VALVE (N.C.) ENERGIZED

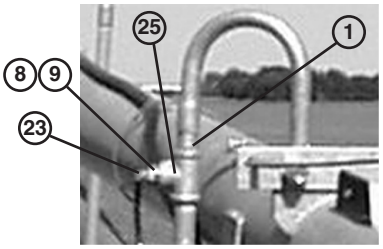
ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	1/4" x 3/4" Hex Bolt	0161057
3	Elbow Tube to Male Pipe Fitting	0232361
4	Connector Tube to Male Pipe	0232362
5	1/8 NPT x 1/4" x 1/4" Tee Fitting	0232367
6	COMPLETE Solenoid Valve, N.C.	0232450
7	Skinner Solenoid Valve Coil	0232451
8	COMPLETE Solenoid Valve, N.O.	0232452
9	1/4" Union Tee	0270002

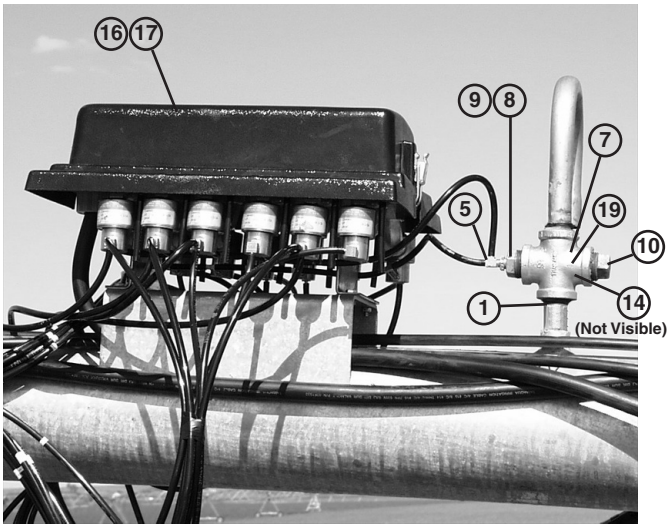
ITEM	DESCRIPTION	PART#
10	Nylon Tubing Hose - .304" O.D. x 500'	0272050
11	Solenoid Valve Box Bottom Plate	1703807
12	Solenoid Box Corner Stand	1703808
13	Clamp	0271115
	COMPLETE Box Assembly w/o Lid	9310588
	Solenoid Box Cover Assm	1703791

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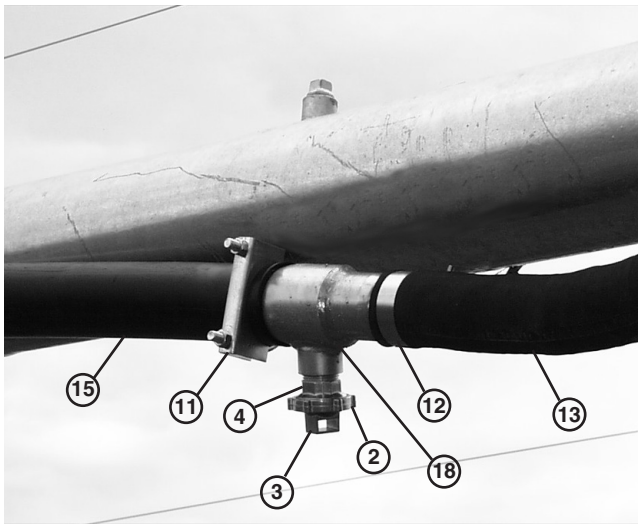
Plumbing for LRDU Pressure Transducer









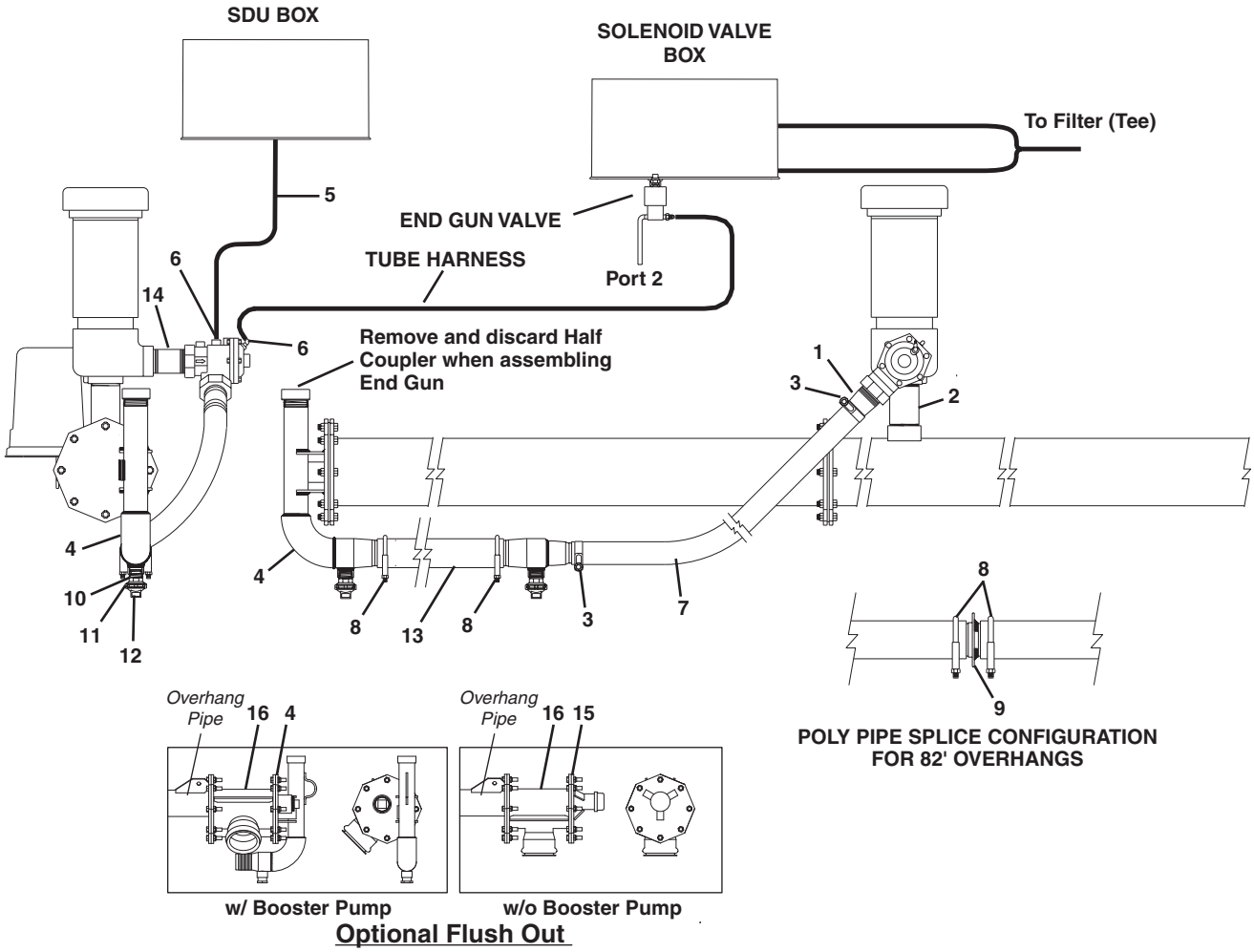


ITEM	DESCRIPTION	PART#
1	3/4" x 2" Nipple	0211014 *
2	Drain Seal	0232568
3	Lower Drain Body	0232004
4	Upper Drain Body - Metal	0232023
5	1/8" NPT x 1/4" x 1/4" Tee	0232367 *
6	Diaphragm Angle Valve	0232480
7	3/4" NPT Cross	0242048 *
8	1/4" x 1/8" Bushing	0244024 *
9	3/4" x 1/4" Bushing (Plastic)	0244046 *
10	3/4" Pipe Plug (Plastic)	0246193 *
11	2-3/4" Muffler Clamp Assm.	0271059
12	Hose Clamp - 2.69" max / 2.38" min	0271085
13	2" x 36" Reinforced Water Hose	0272034
14	3/4" Filter Element	0311020 *
15	2-1/2" I.D. x 43' Long Poly Pipe	0992752
16	13 Solenoid Valve Box w/o Lid	9310437
	11 Solenoid Valve Box w/o Lid	9310588

ITEM	DESCRIPTION	PART#
17	Solenoid Box Cover Assm.	1703791
18	2" x 2.5" Hose Insert Splice	9360137
19	3/4" Filter Cross Assm.	9360897
20	2" Hose Insert	0271035
21	2-1/2" x 6" Nipple	0211156
22	1/4" Tube - .304" O.D. x 12' Long	1701789
23	Elbow Tube Insert	0232361
24	Ideal Band	0271021
25	3/4" NPT Tee	0242002
26	2" x 4-1/2" Nipple	0211047

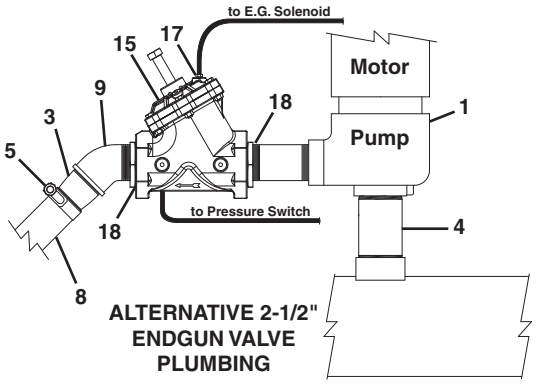
*** NOTE: These parts also located in Item 19**

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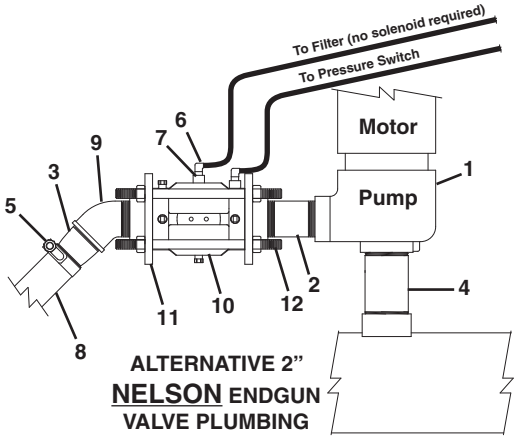


ITEM	DESCRIPTION	PART#
1	2" Hose Insert	0271035
2	2-1/2" x 6" Nipple	0211156
3	Hose Clamp - 2.69" max / 2.38" min	0271085
4	Overhang Endplate Assembly	9360136
5	1/4" Tube - 0.304" O.D. x 12' Long	1701789
6	Elbow Tube Insert	0232361
7	2" x 36" Reinforced Hose	0272034
8	2-3/4" Muffler Clamp	0271059
9	2-1/2" Hose Splice	1702676
10	Upper Drain Body - Metal	0232023
11	Drain Seal	0232568
12	Lower Drain Body	0232004
13	2-1/2" I.D. x 43' Polypipe - 82' Overhang	0992752
14	2" x 4-1/2" Nipple	0211047
15	6-5/8" Endplate Assm.	1800036
16	6" Flush Out Stub Assm. w/ 4" Drain	9360312
	Flush Out Install Kit (incl. cap screws(8) & lock nuts(8))	KA02427

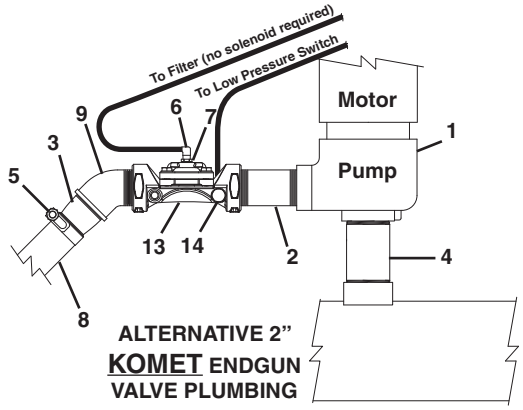
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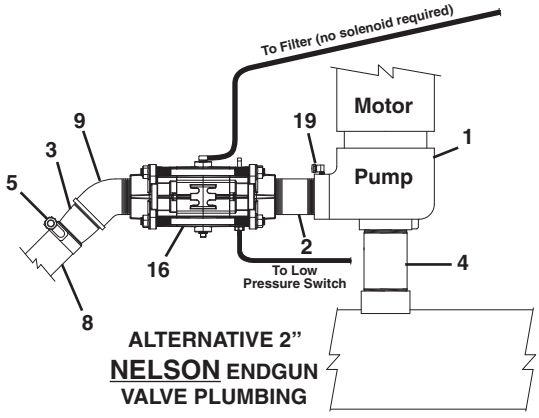
ALTERNATIVE 2-1/2" ENDGUN VALVE PLUMBING



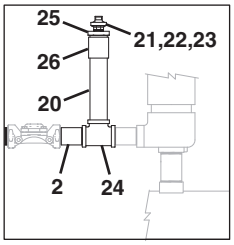
ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING



ALTERNATIVE 2" KOMET ENDGUN VALVE PLUMBING



ALTERNATIVE 2" NELSON ENDGUN VALVE PLUMBING

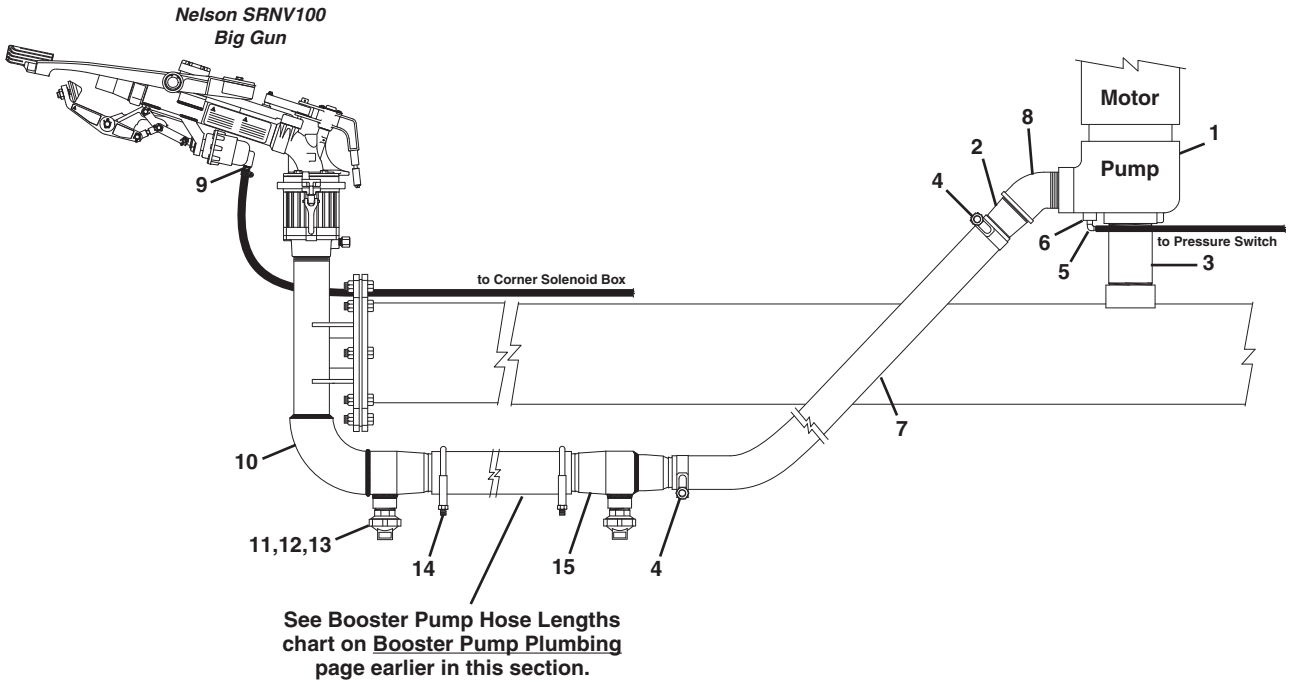


AIR RELIEF KIT
(For either Nelson or Komet Valve application

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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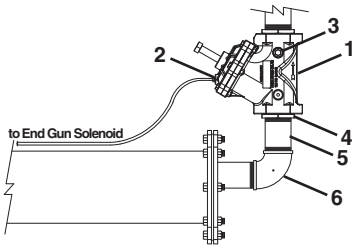


ITEM	DESCRIPTION	PART #
1	2 HP Booster Pump	0992806
	5 HP Booster Pump w/5" Impeller	0993417
	5 HP Booster Pump w/5-3/4" Impeller	0992898
	7.5 HP Booster Pump	0992884
2	2" Hose Insert	0271035
3	2-1/2" x 6" Nipple	0211156
4	Hose Clamp - 2.69" max / 2.38" min	0271085
5	Elbow Tube Insert	0232361
6	1/4" x 1/8" Bushing	0244024
7	2" x 36" Reinforced Water Hose	0272034
8	2" x 45° Street Elbow	0241053
9	MFL Connector - Tube to Male Pipe	0232362
10	Overhang Endplate w/ End Gun & Booster Pump	9360136
11	Upper Drain Body	0232023
12	Drain Seal	0232568
13	Lower Drain Body	0232004
14	2-3/4" Muffler Clamp	0271059
15	2" x 2-1/2" Hose Insert Splice Assm.	9360137

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2-1/2" END GUN VALVE

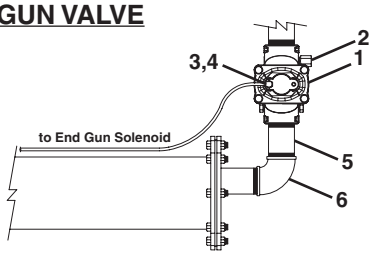
ITEM	DESCRIPTION	PART #	
1	2-1/2" Diaphragm End Gun Valve	0232323	*
2	MFL Connector - Tube to Male Pipe	0232362	*
3	Bleeder Plug	0232440	*
4	2-1/2" x 2" Reducer - Galvanized	0244021	
5	2" x 4" Nipple - Galvanized	0211047	
6	End Gun Elbow	1926125	
	Diaphragm & Seal Kit	0232297	
	Internal Parts Kit	0232298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



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

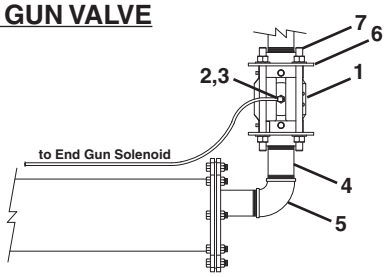
2" KOMET END GUN VALVE

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

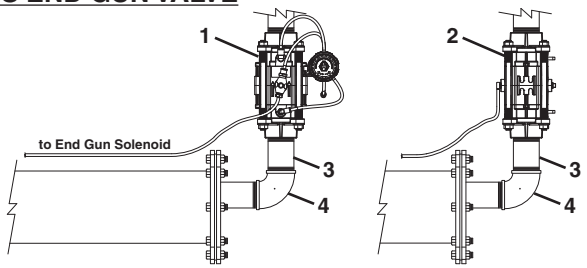
ITEM	DESCRIPTION	PART #	
1	2" Nelson End Gun Valve	0232504	*
2	Elbow Fitting - Tube to Male Pipe	0232361	
3	1/4" x 1/8" Reducer Bushing - Galvanized	0244024	
4	2" x 4" Nipple - Galvanized	0211047	
5	End Gun Elbow	1926125	
6	2" FNPT x ANSI Flange Adapter	0996405	*
7	Stud Kit - 1/2" x 8.25"	0980217	*
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

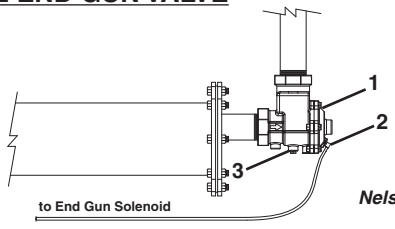
*NOTE: Ball / Drain Vent (0232566) included with End Gun Valves.



2" DIAPHRAGM ANGLE END GUN VALVE

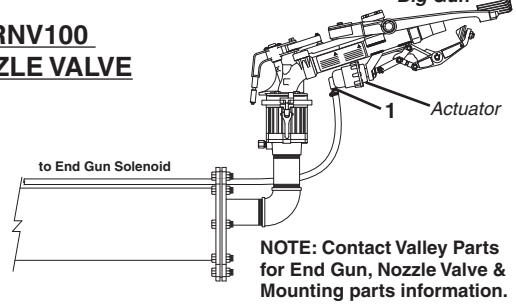
ITEM	DESCRIPTION	PART #	
1	2" Diaphragm Angle End Gun Valve	0232480	
2	Elbow Fitting - Tube to Male Pipe	0232361	*
3	Bleed Plug	0232440	*
	Diaphragm & Seals Kit	0232488	
	Internal Parts Kit (normally open model)	0232489	
	End Gun Shutoff 2" Valve Kit	KA00023	

*NOTE: Items included with End Gun Valve 0232480.



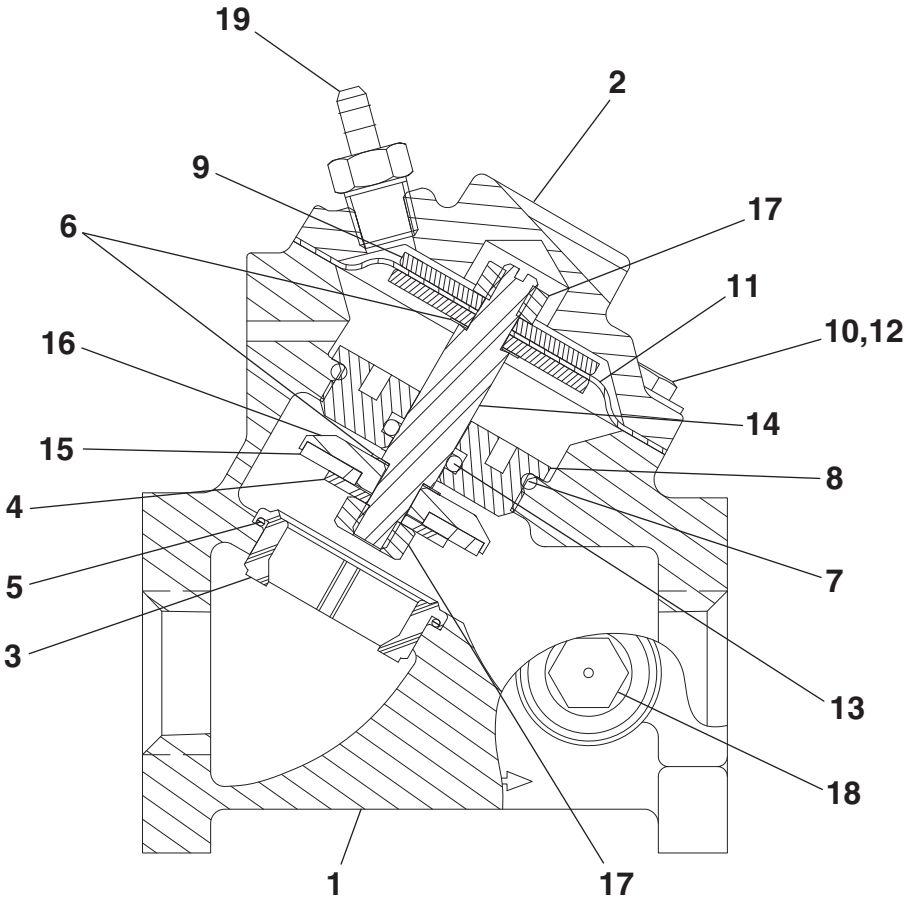
NELSON SRNV100 END GUN NOZZLE VALVE

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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NO.	DESCRIPTION
1	BODY 3/4"
2	CAP 1/8 NPT
3	SEAT (421)
4	DISC PLATE
5	O-RING 2-025
6	GASKET -1/2 OD
7	O-RING 2-125
8	GUIDE SHAFT-421
9	DIAPHRAGM PLATE-421
10	1/4-20 X 7/8 CAP SCREW
11	DIAPHRAGM-421
12	1/4-20 HEX NUT
13	O-RING 2-110
14	SHAFT -421
15	DISC
16	DISC HOLDER
17	1/4-28 HEX NUT
18	BLEED PLUG
19	TUBE FITTING

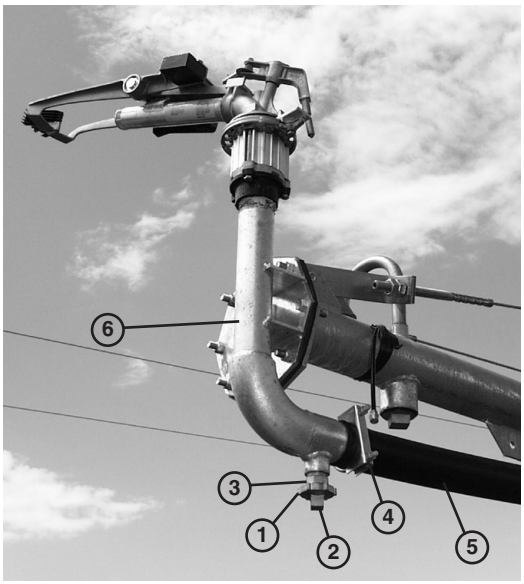
REPAIR PARTS KITS	
DESCRIPTION	PART #
TUBE FITTING	0232362
BLEED PLUG	0232440
DIAPHRAGM SEALS	0232494
INTERNAL PARTS	0232572

SERVICE TOOLS	
DESCRIPTION	PART #
PLASTIC GUIDE SHAFT TOOL	0232571
METAL GUIDE SHAFT TOOL	0232573

3/4" Aquamatic Valve - Normally Open w/Drain 0232483

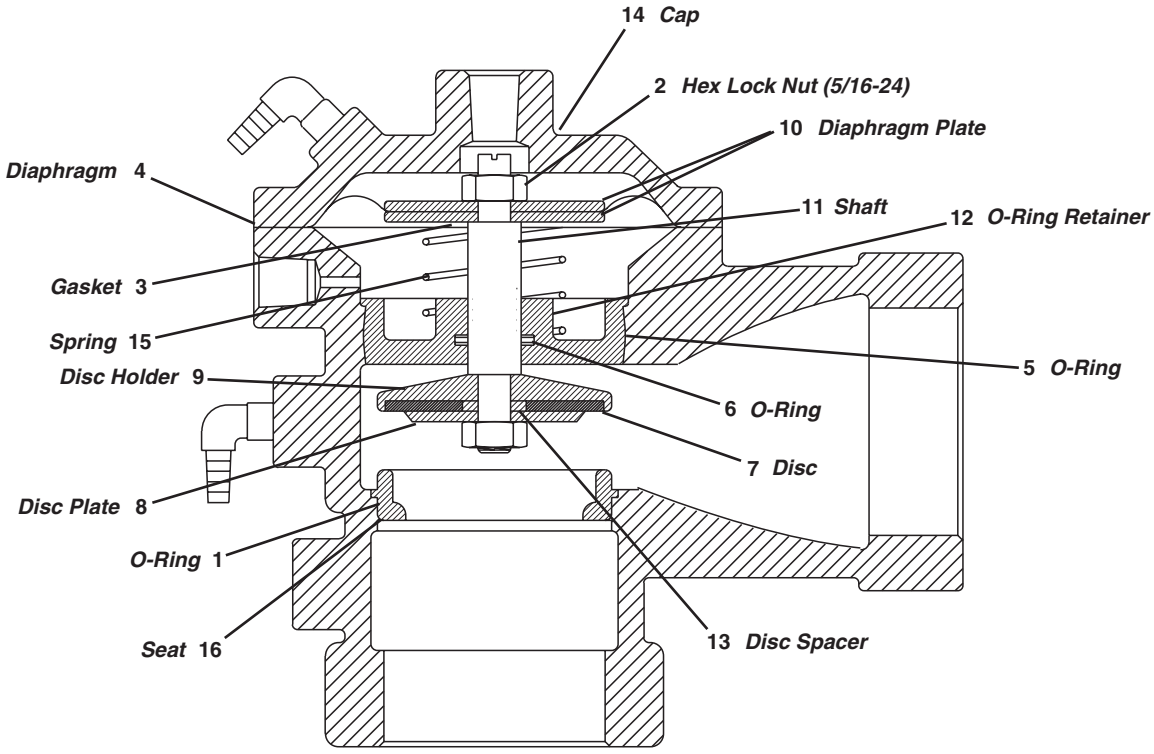
3/4" Aquamatic Plastic Internal Parts Repair Kit - DISCONTINUED Nov 2015 0232508

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ITEM	DESCRIPTION	PART#
1	Drain Seal	0232568
2	Lower Drain Body	0232004
3	Upper Drain Body - Metal	0232023
4	2-3/4" Muffler Clamp Assm.	0271059
5	2-1/2" I.D. x 43' Long Poly Pipe	0992752
6	Overhang Endplate for End Gun & Booster Pump	9360136

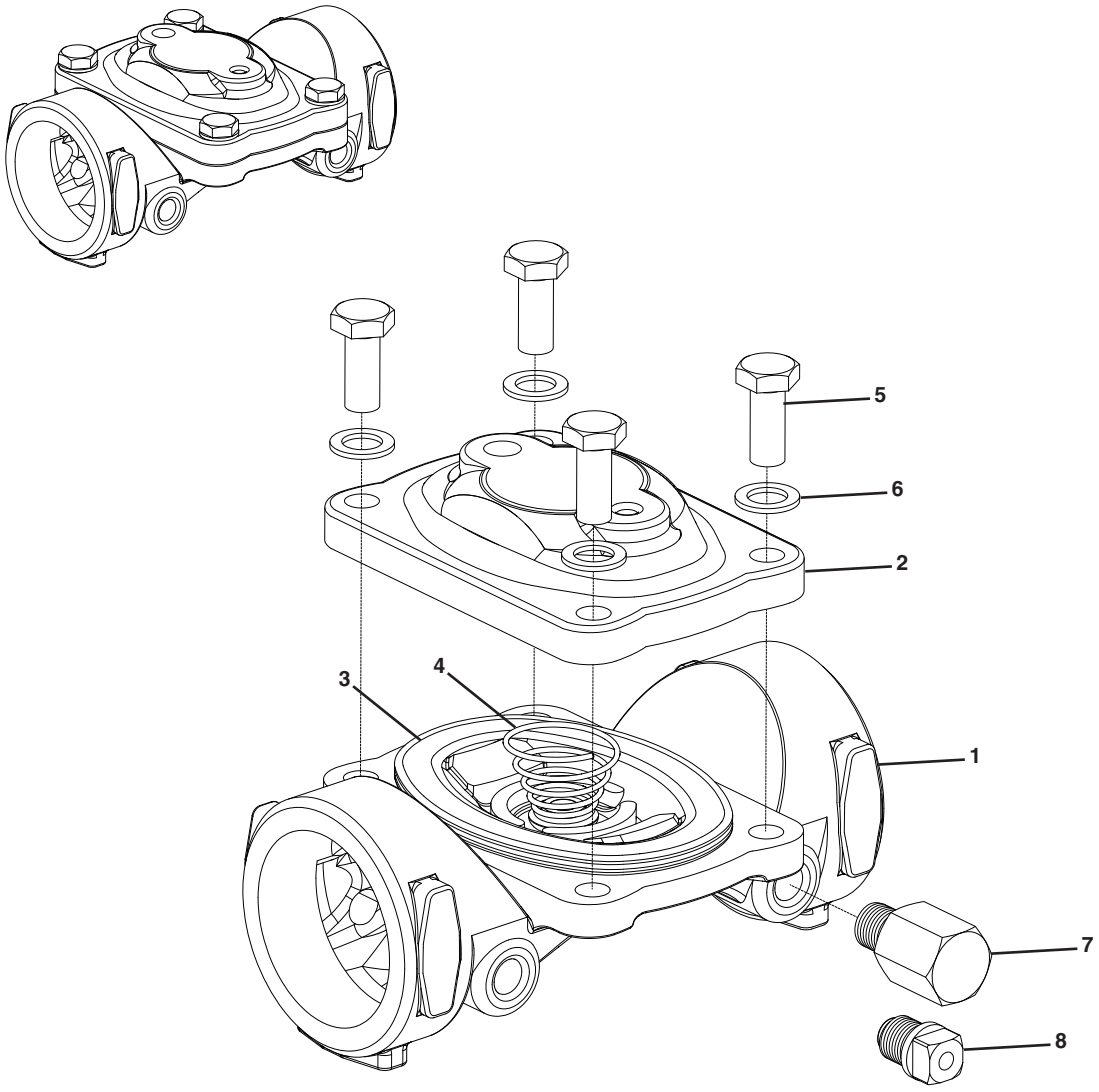
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DESCRIPTION	REFERENCE	VALMONT#
Diaphragm and Seals Kit Consists of Item nos. 1, 2, 3, 4, 5, 6 & 7	425-RA (Includes 425-FB)	0232488
Internal Parts Kit Normally Open Model Consists of Standard Item nos. 8, 8, 10, 11, 12 & 13	425-RF	0232489
14 - Top Cap	425-CJ	0232491
15 - Spring	495-SV	0232397
16 - Seat	425-MO	0232391

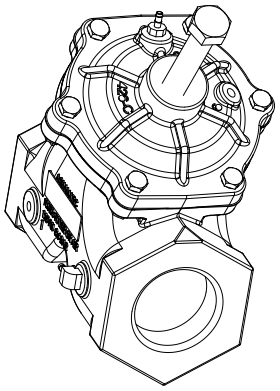
COMPLETE Valve..... 0232480

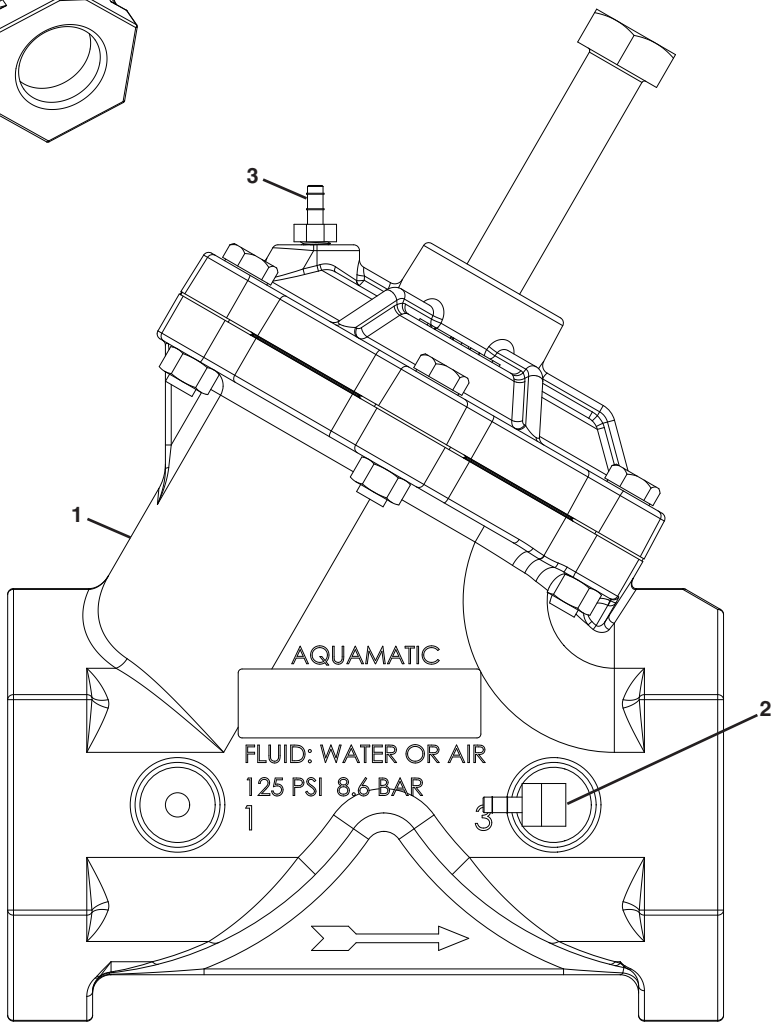
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ITEM	DESCRIPTION	PART #
1	Valve Body (svc part ONLY)	0232560
2	Valve Cover (svc part ONLY)	0232561
3	Valve Diaphragm (svc part ONLY)	0232562
4	Valve Spring (svc part ONLY)	0232563
5	Valve Cover Bolt (svc part ONLY)	0232564
6	Valve Cover Washer	0232565
7	Automatic Drain Valve	0232558*
8	Standard Drain Plug w/Hole	0232559*
	2" Komet End Gun Valve	0232557*
	* Komet 2" End Gun Valve Kit	KA09903

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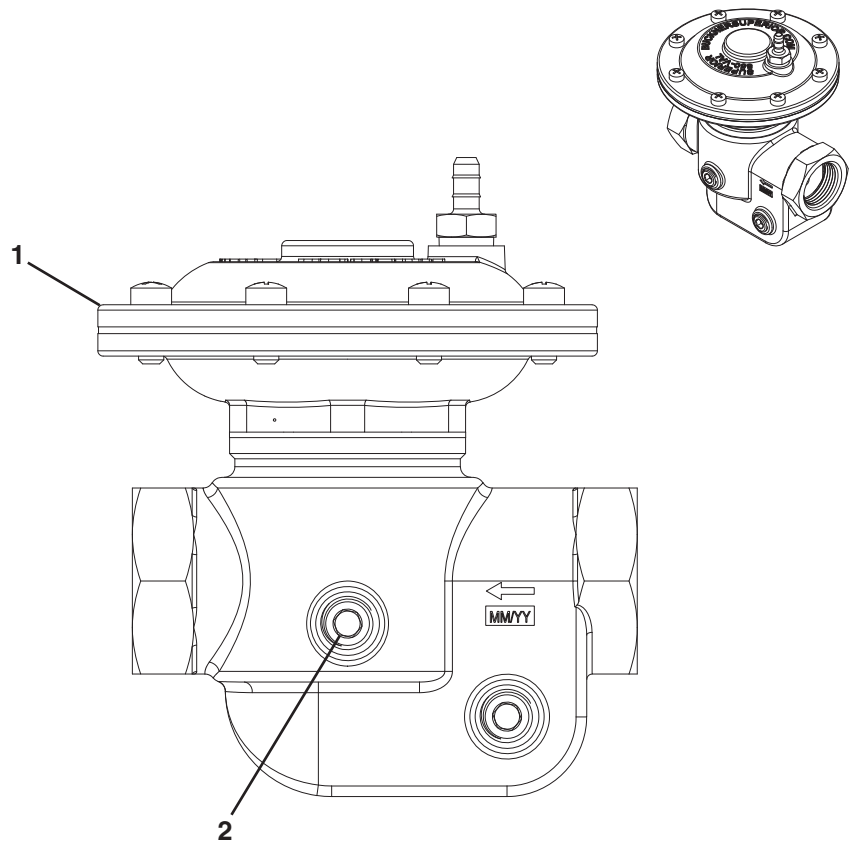




ITEM	DESCRIPTION	PART #
1	2-1/2" Diaphragm End Gun Valve	0232323
2	Elbow Fitting - Tube to Male Pipe	0232440 *
3	MFL Connector - Tube to Male Pipe	0232362 *
	Diaphragm & Seal Kit	0232297
	Internal Parts Kit	0232298

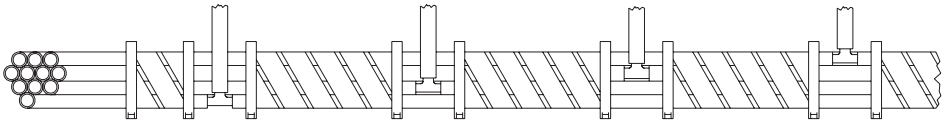
*** NOTE: Items included with End Gun Valve 0232323.**
Bleeder Plug (0232440) also included.

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ITEM	DESCRIPTION	PART #
1	3/4" Valve w/ Drain - Normally Open	0232580
2	Drain Plug	0232581

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SPAN AND OVERHANG HARNESSES WITH WATER UTILIZATION PACKAGE

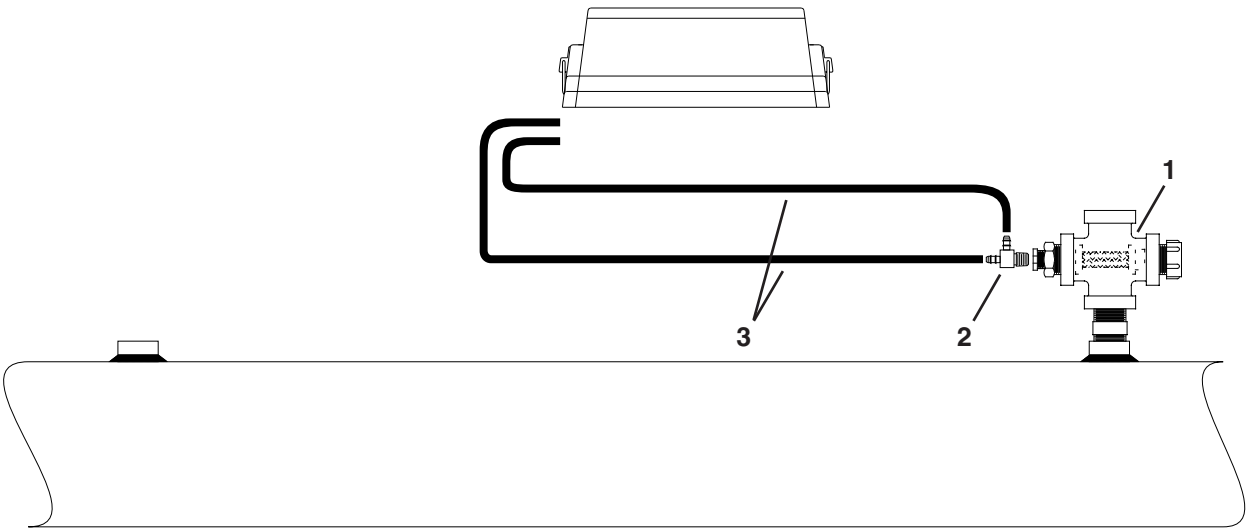
DESCRIPTION	COLOR CODE	PART #
185' SPAN	ORANGE	0270036
205' SPAN	BROWN	0270031
82' OH (185' CORNER SPAN)	ORANGE / WHITE	0270037
82' OH (205' CORNER SPAN)	BROWN / WHITE	0270032

SPAN AND OVERHANG HARNESSES WITHOUT WATER UTILIZATION PACKAGE

DESCRIPTION	COLOR CODE	PART #
185' SPAN	PURPLE	0270038
205' SPAN	YELLOW	0270034
82' OH (185' CORNER SPAN)	PURPLE / WHITE	0270039
82' OH (205' CORNER SPAN)	YELLOW / WHITE	0270035

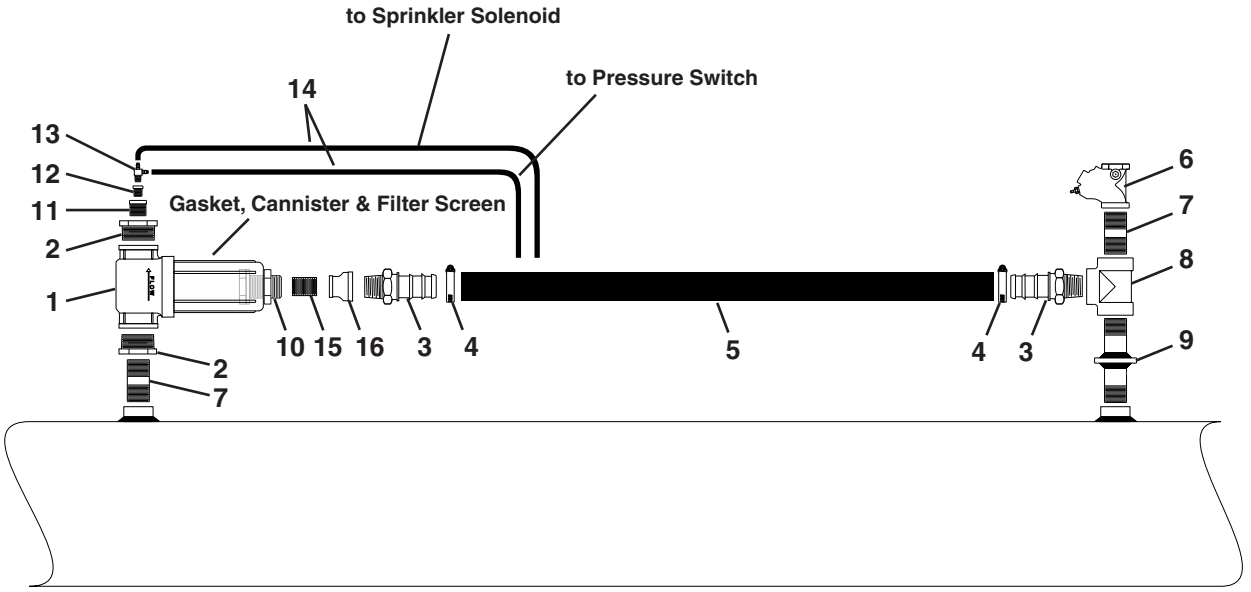
NOTE: Harness Protection Bracket (1750626) & Band (0271024) must be used when Harness crosses each Pipeline Flange.

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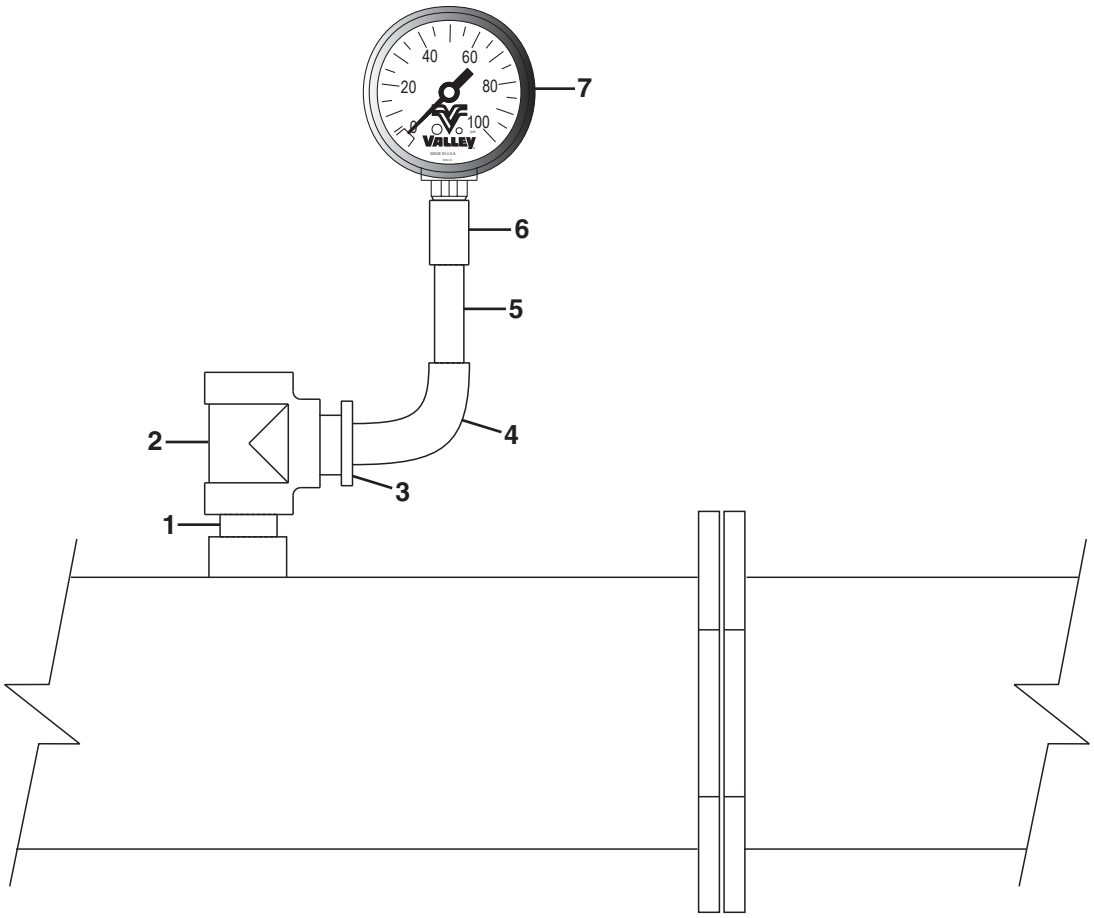
ITEM	DESCRIPTION	PART #
1	3/4" Filter Cross Assembly	9360897
	3/4" x 2" Nipple	0211014
	3/4" Cross	0242048
	1/4" x 1/8" Reducer	0244024
	3/4" x 1/4" Reducer	0244046
	3/4" Plastic Plug	0246193
	3/4" Filter Element	0311020
2	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
3	1/4" Tubing - 20'	1720561

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ITEM	DESCRIPTION	PART #
1	Filter Assembly	0311013
	Gasket (incl. w/ Filter Assm.)	0221026
	Cannister	0311015
	Filter Screen	0311014
2	1-1/2" x 3/4" Bushing - Steel	0244036
	1-1/2" x 3/4" Bushing - Plastic	0244044
3	1" Hose Insert	0271043
4	1" Hose Clamp	0271012
5	1" x 5' Hose	1750795
6	Control Valve	0232483
7	3/4" x 2" Nipple	0211014
8	3/4" Tee	0242002
9	3/4" Plugged Nipple	9361938
10	Bottom Fitting	1750640
11	3/4" x 1/4" Reducer - Steel	0244025
	3/4" x 1/4" Reducer - Plastic	0244046
12	1/4" x 1/8" Reducer - Steel	0244024
13	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
14	1/4" Tubing - 20'	1720561
15	1/2" x 1-1/8" Nipple	0211021
16	1/2" x 3/4" Bell Reducer	0243002
	Filter Package for Precision Corner	KA09598

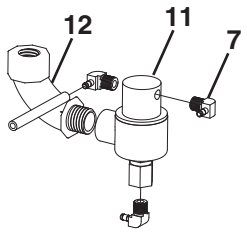
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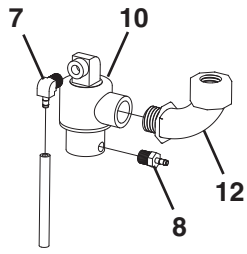
ITEM	DESCRIPTION	PART#
1	3/4" X 2" Nipple	0211014
2	3/4" Tee	0242002
3	3/4" x 1/4" Reducer Bushing	0244025 *
4	1/4" x 90° Street Elbow	0241032 *
5	1/4" x 3" Nipple	0211031 *
6	1/4" Coupler	0245008 *
7	Pressure Gauge - 0-100 PSI	0232501
	Pressure Gauge Plumbing Kit	KA09153

*** Parts included in Kit (KA09153).**

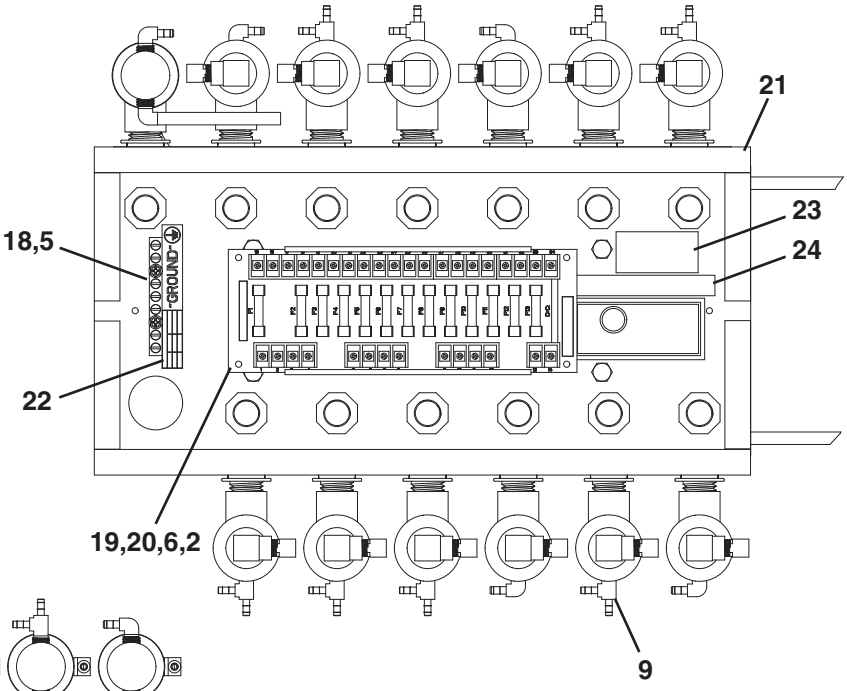
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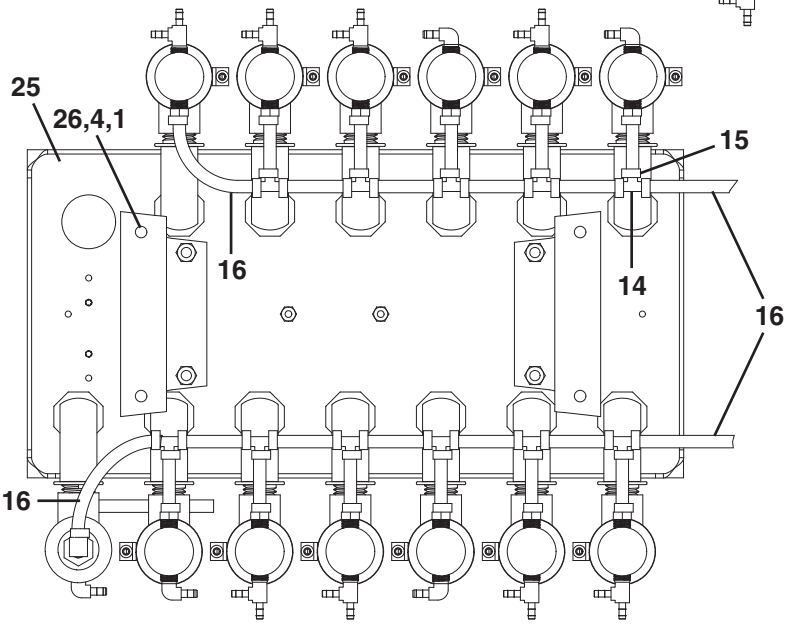


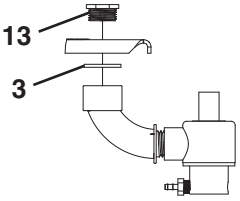
NORMALL OPEN SOLENOID



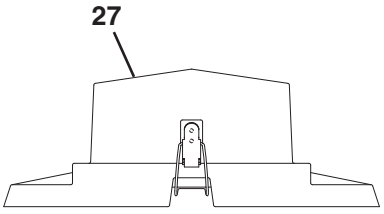
NORMALL CLOSED SOLENOID







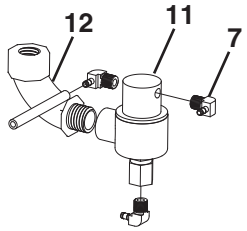
ELBOW TO BOTTOM PLATE



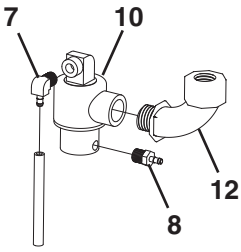
ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	#8 Hex Nut	0134023
3	Flat Washer - 1.136" O.D.	0142075
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#8 x 1/2" Machine Screw RH	0164042
7	Elbow Fitting - Tube to Male Pipe	0232361
8	MFL Connector - Tube to Male Pipe	0232362
9	Tee Fitting - 1/8" NPT x 1/4" 1/4"	0232367
10	Complete Solenoid Valve, N.C.	0232450
11	Complete Solenoid Valve, N.O.	0232452
12	1/2" Elbow Fitting	0241057
13	Rigid Conduit Nipple	0244037
14	1/4" Union Tee	0270002
15	Tube Harness Crimp Clamp	0271115

ITEM	DESCRIPTION	PART#
16	Nylon Tubing - .294 O.D. x 500'	0272050
17	Tyton Ty Wrap (not shown)	0314225
18	7 Terminal Ground Lug	0315120
19	13 Solenoid Fuse Panel P.C.B.	03E1955
20	Snaptrack - 6" Long	0991587
21	Solenoid Valve Box Gasket	0992081
22	Decal - Ground Lug	0992925
23	Decal - U.L. Circuit Supply 120 V	0994147
24	Decal - Copper Wire Only	0994836
25	Bottom Plate - Solenoid Valve Box	1703807
26	Solenoid Box Stand	1703808
27	Solenoid Box Cover Assembly (not incl. in assm.)	1703791
	COMPLETE Box Assembly w/o Lid	9310588

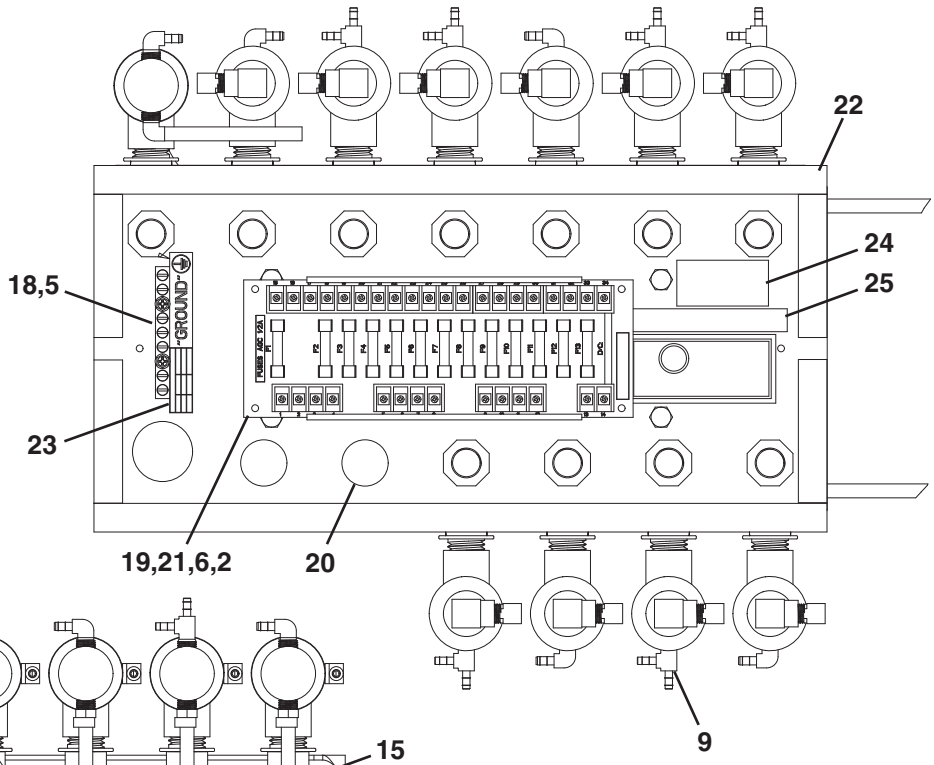
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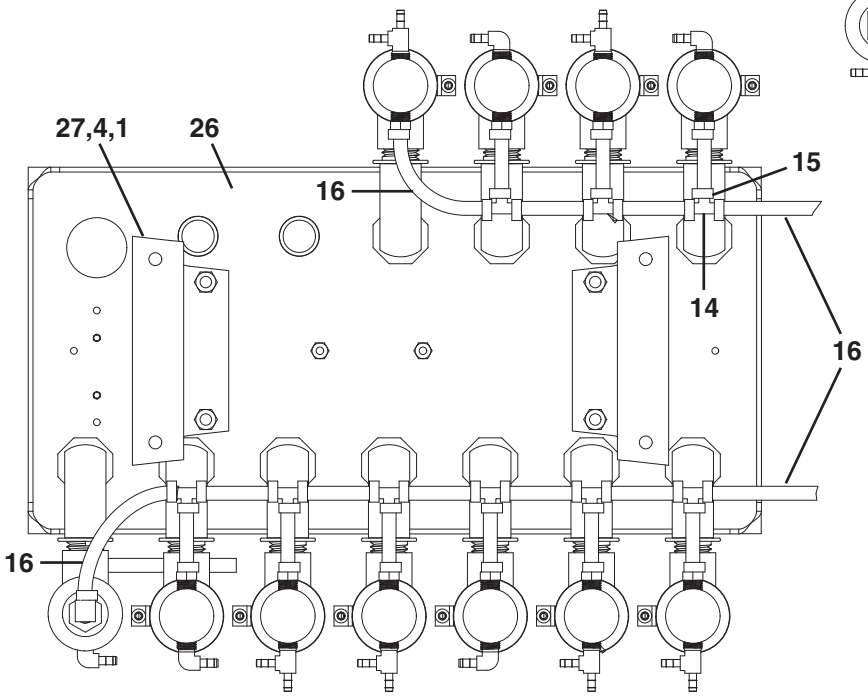


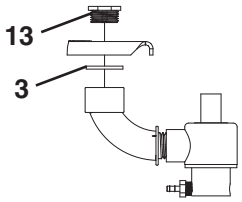
NORMALL OPEN SOLENOID



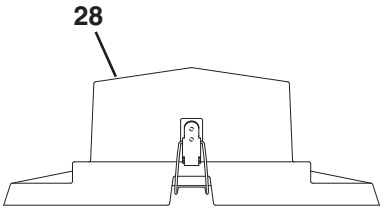
NORMALL CLOSED SOLENOID





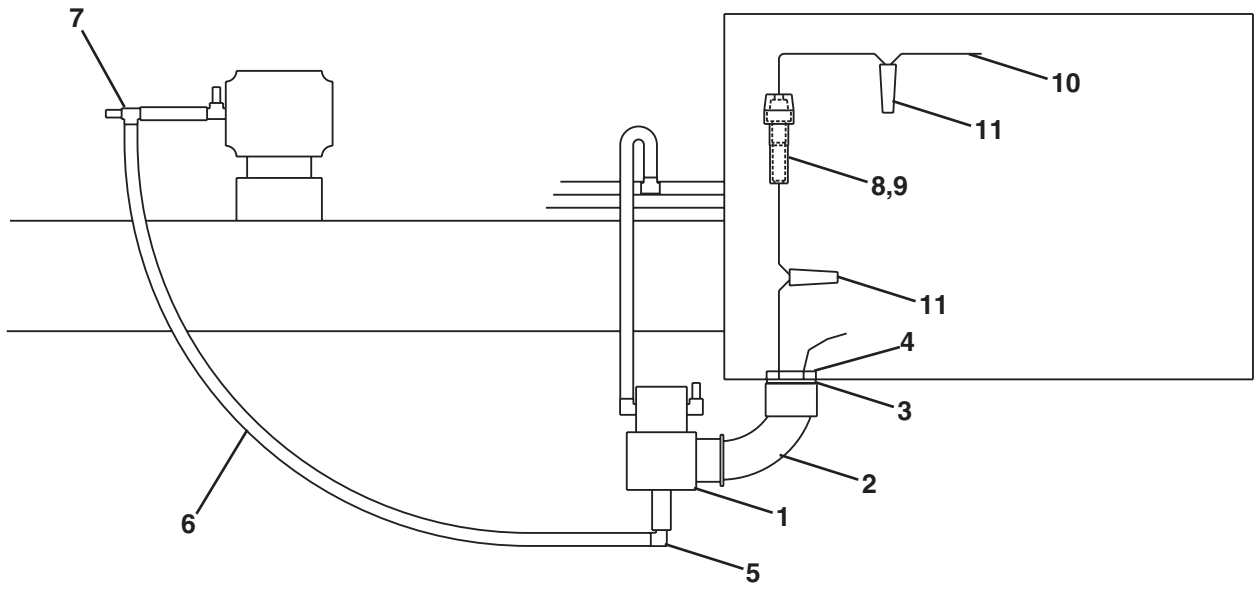


ELBOW TO BOTTOM PLATE



ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	#8 Hex Nut	0134023
3	Flat Washer - 1.136" O.D.	0142075
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#8 x 1/2" Machine Screw RH	0164042
7	Elbow Fitting - Tube to Male Pipe	0232361
8	MFL Connector - Tube to Male Pipe	0232362
9	Tee Fitting - 1/8" NPT x 1/4" 1/4"	0232367
10	Complete Solenoid Valve, N.C.	0232450
11	Complete Solenoid Valve, N.O.	0232452
12	1/2" Elbow Fitting	0241057
13	Rigid Conduit Nipple	0244037
14	1/4" Union Tee	0270002
15	Tube Harness Crimp Clamp	0271115
16	Nylon Tubing - .294 O.D. x 500'	0272050
17	Tyton Ty Wrap (not shown)	0314225
18	7 Terminal Ground Lug	0315120
19	13 Solenoid Fuse Panel P.C.B.	03E1955
20	Snap Button Plug - 7/8" Dia. Hole	03E2166
21	Snaptrack - 6" Long	0991587
22	Solenoid Valve Box Gasket	0992081
23	Decal - Ground Lug	0992925
24	Decal - U.L. Circuit Supply 120 V	0994147
25	Decal - Copper Wire Only	0994836
26	Bottom Plate - Solenoid Valve Box	1703807
27	Solenoid Box Stand	1703808
28	Solenoid Box Cover Assembly (not incl. in assm.)	1703791
	COMPLETE Box Assembly w/o Lid	9310588

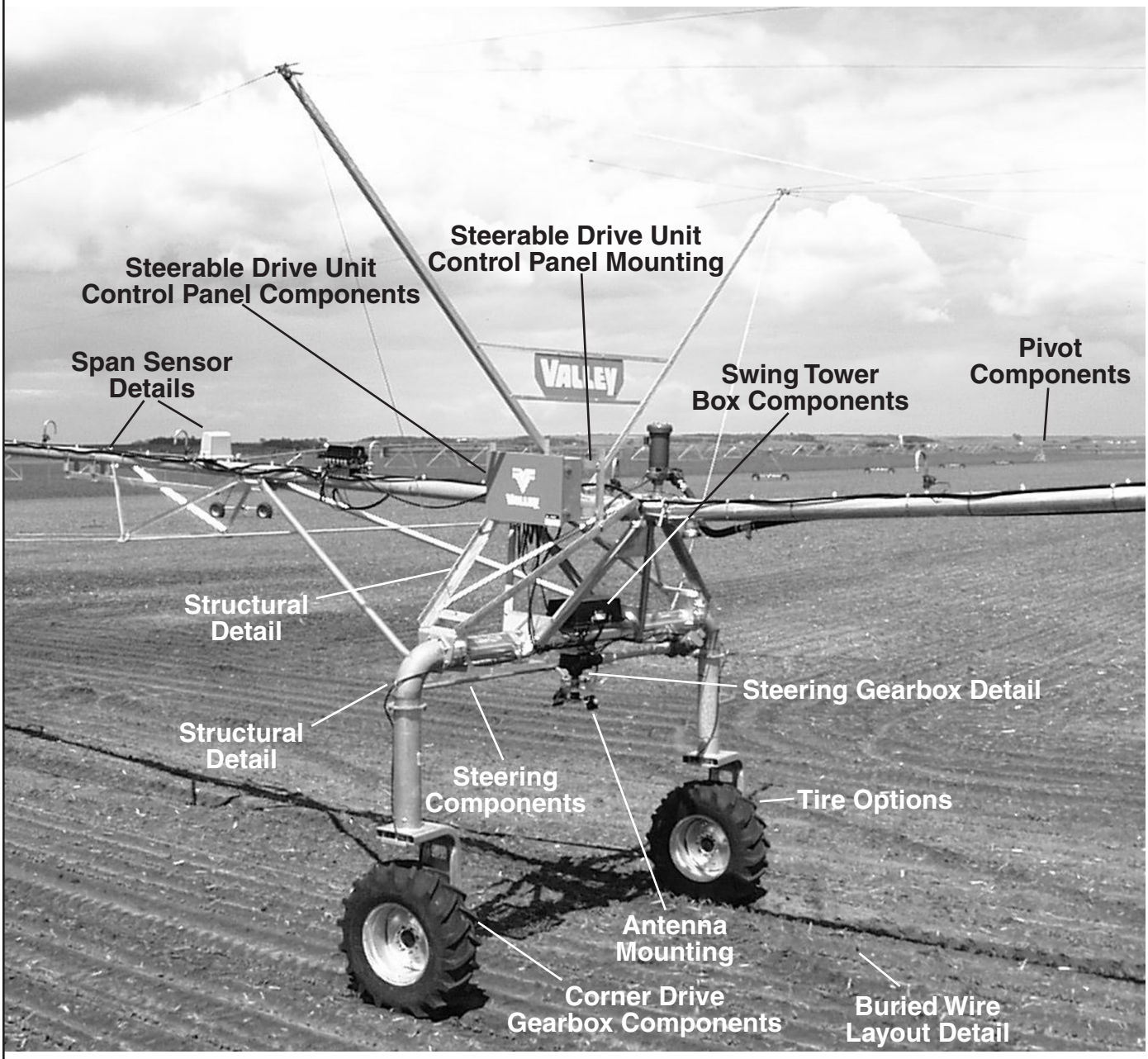
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ITEM	DESCRIPTION	PART#
1	Solenoid Valve, N.O.	0232452
2	1/2" Bushed Elbow	0241057
3	Flat Washer	0142075
4	Nipple Rigid Conduit	0244037
5	Barbed 90° Elbow	0232361
6	Nylon Tubing - 30' Long	1740101
7	Barbed Union Tee	0270002
8	In-line Fuse Holder	0314882
9	1/2 Amp Fuse	0315180
10	18 Ga. Black Wire - 18" Long	1813504
11	Scotchlok Connector	0314151
	COMPLETE Precision Corner Solenoid #14 Kit	KA09542

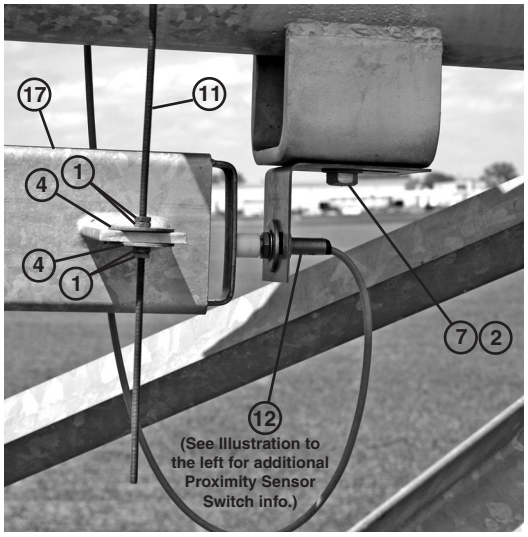
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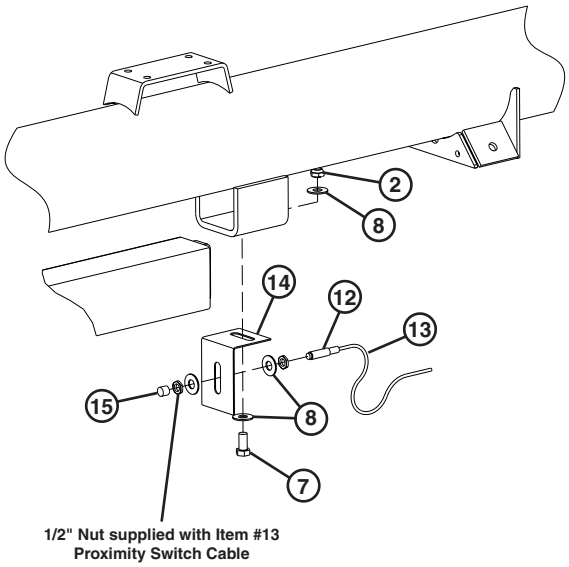
Steerable Drive Unit (SDU)

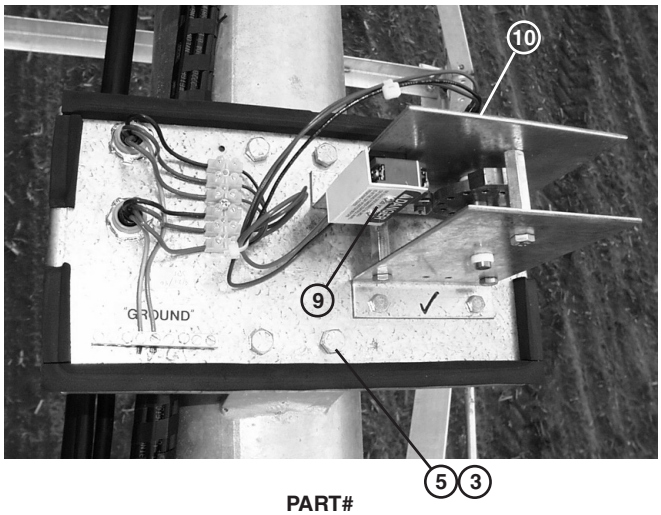


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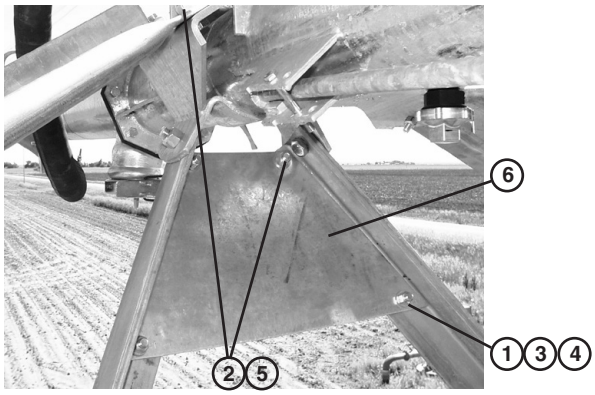


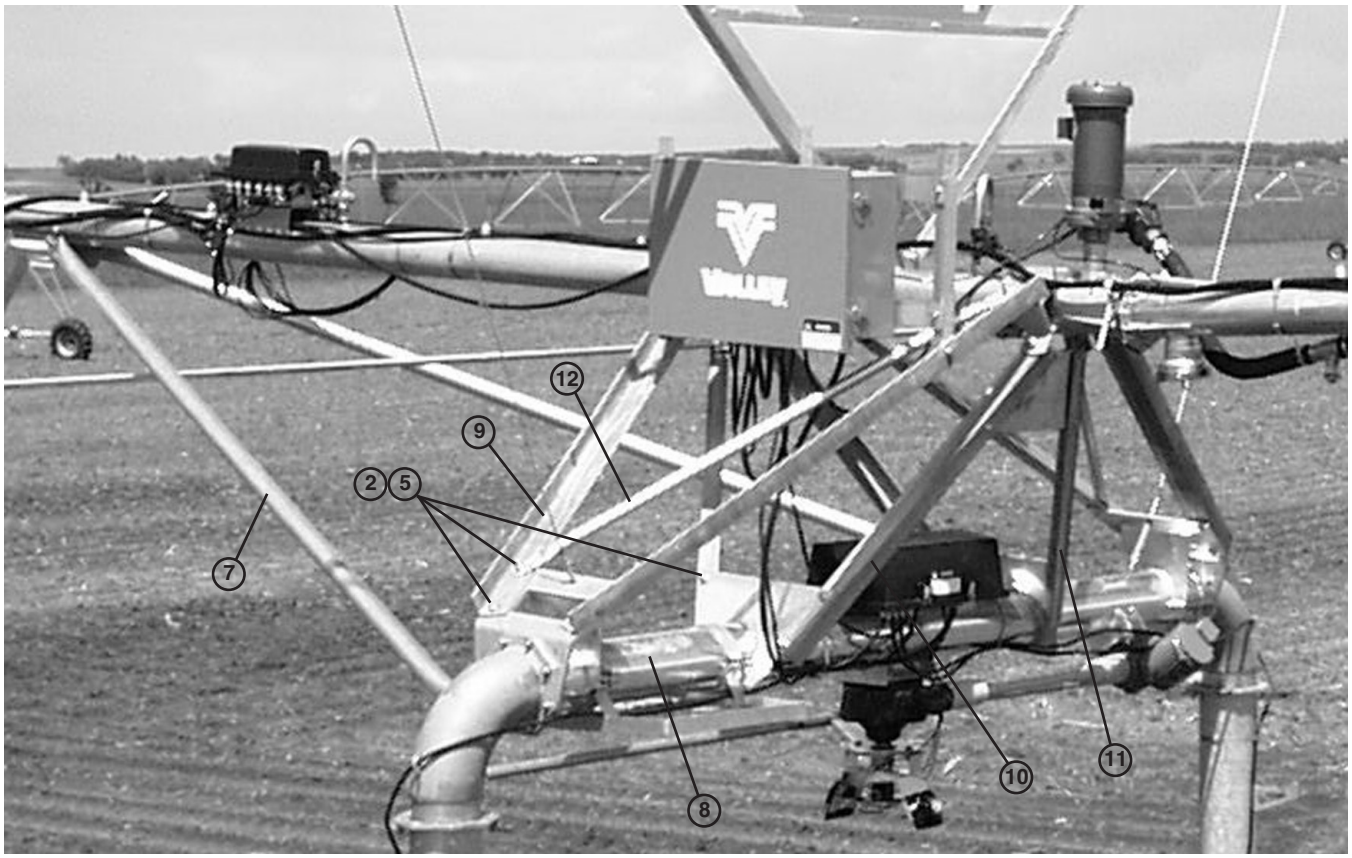




ITEM	DESCRIPTION	PART#
1	#10 Hex Nut	0134047
2	1/2” Lock Nut	0133005
3	3/8” Lock Nut	0133006
4	1/4” Flat Washer	0142022
5	3/8” x 3/4” Cap Screw	0161046
6	1/2” x 5-1/2” Cap Screw	0161018
7	1/2" x 1-1/4" Cap Screw	0161027
8	1/2" Flat Washer	0142025
9	Minimum Travel Microswitch	03E0307
10	Potentiometer (5K)	03E2023
11	Span Sensor Threaded Rod	0996063
12	Proximity Sensor Switch	03E2176
13	Proximity Switch Cable	03E2225
14	Corner Proximity Sensor Mounting Plate	9361152
15	Proximity Switch Cap	03E2177
16	Span Sensor Box	9310432
17	Span Sensor Beam	9360756
18	Tower Box Cover - UL	9311146

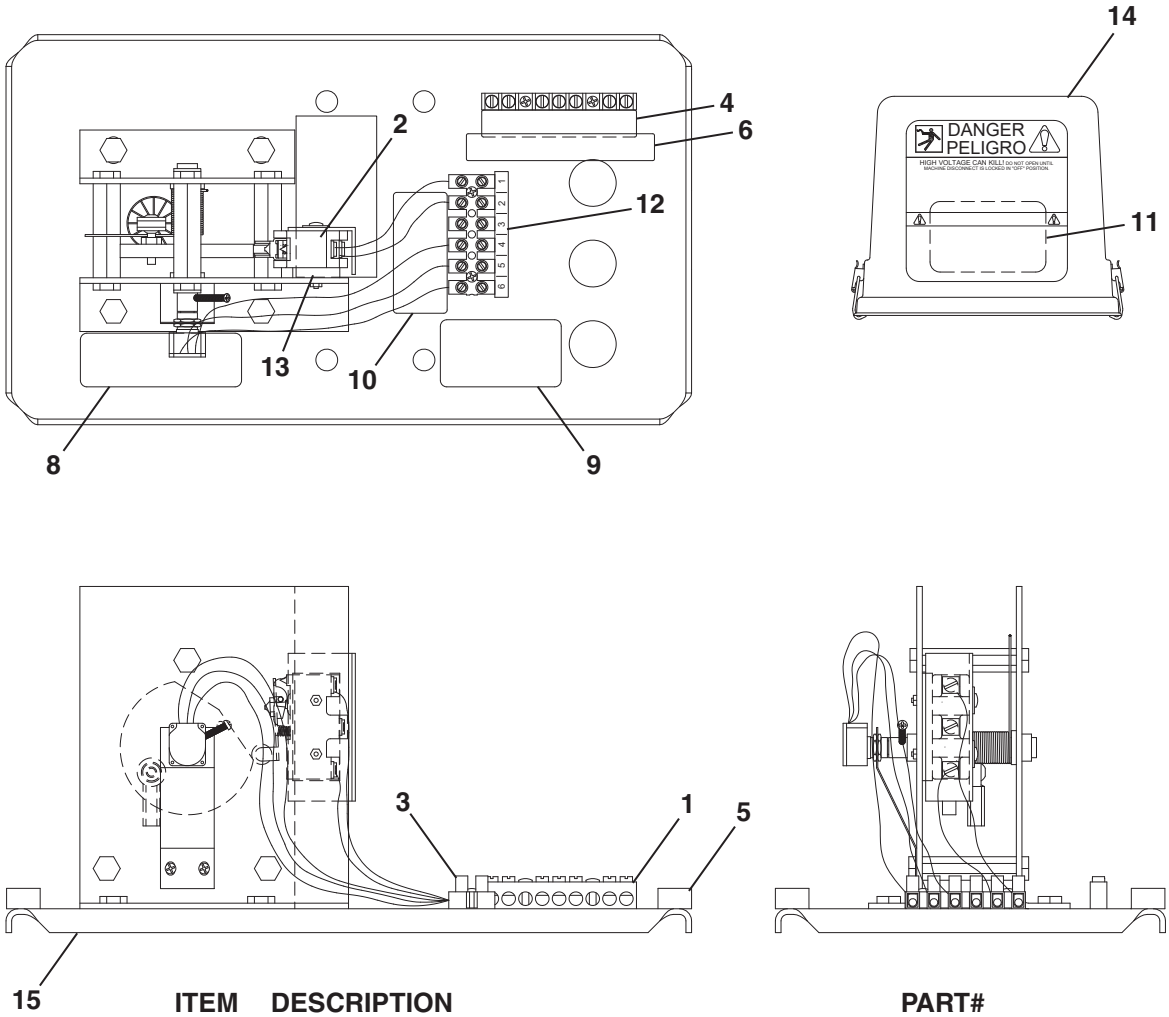
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ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	3/4" Lock Nut	0133011
3	1/2" Flat Washer	0142025
4	1/2" x 1-1/4" Cap Screw	0161027
5	3/4" x 1-3/4" Cap Screw	0161139
6	Drive Unit Reinforcing Plate	1780400
7	Pipe Tower Support	9360071
8	90° Basebeam	9360552
9	Drive Unit Main Support Angle	9360562
10	Drive Unit Support Angle - R.H.	9360563
11	Drive Unit Support Angle - L.H.	9360564
12	Drive Unit Diagonal Tube	9360565

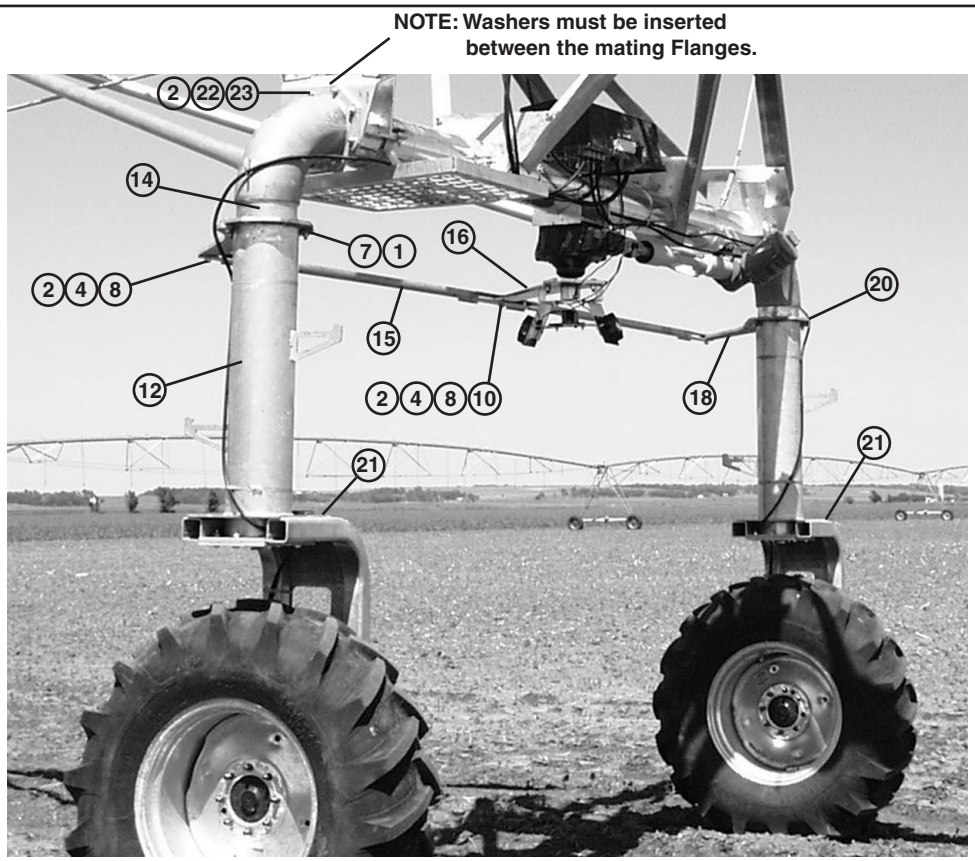
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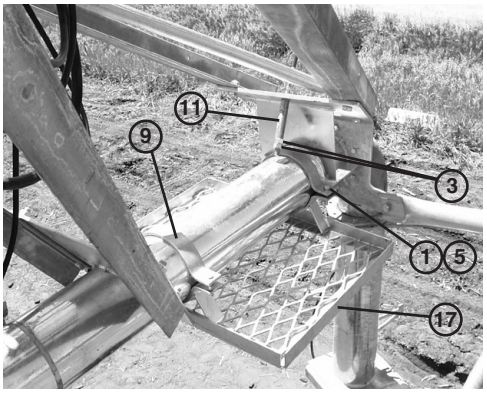


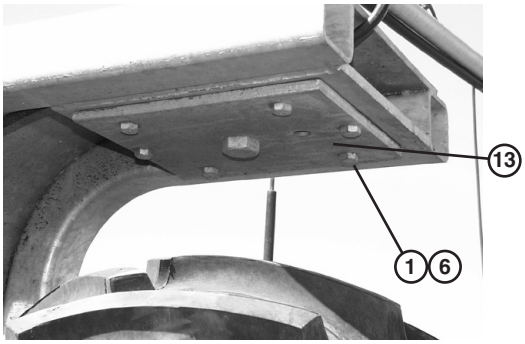
ITEM	DESCRIPTION	PART#
1	Ground Lug - 7 Terminal	0315120
2	Microswitch - Minimum Travel	03E0307
3	Terminal Strip - 6 Term.	03E2102
4	Decal - Ground	0980517
5	Gasket Kit	0992071
6	Decal - Copper Wire Only	0994836
7	Threaded Rod (not shown)	0996063 *
8	Decal - 3R Enclosure	0996403
9	Decal - Circuit Supply	0996499
10	Decal - Main Disconnect or Branch Circuit	0996500
11	Decal - Span Sensor Box Schematic	0998064
12	Decal - 6 Terminal	0999112
13	Insulator Block	1701632
14	Tower Box Cover - UL	9311146
15	Bottom Plate	9360755
	Corner Span Sensor Box Assm.	9310432

*** NOTE: Included with Item 7 are Nuts (6) & Washers (2).**

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ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	5/8" Lock Nut	0133010
3	3/4" Hex Nut	0131008
4	5/8" x 2" Cap Screw	0161014
5	1/2" x 2-1/2" Cap Screw	0161023
6	1/2" x 2" Cap Screw	0161024
7	1/2" x 1-1/4" Cap Screw	0161027
8	Trojan Bar Inner Bushing	0192025
9	8" Half Clamp	1702522
10	Trojan Bar Nylon Outer Bushing	1915197
11	Guide Spacer	9360300
12	Standard Profile Offset Leg	9360539
	Low Profile Offset Leg	9361882

ITEM	DESCRIPTION	PART #
13	Vertical Leg Ball Mount	9360546
14	Standard Profile Vertical Leg	9360548
	Low Profile Vertical Leg	9361883
15	Tie Rod	9360569
16	Keyed Steering Arm 31"	9360574
	Flanged Steering Arm w/ Outer Bushing	1751040
17	Maintenance Platform	9360712
18	Tie Rod Control Arm 31" w/ Outer Bushing	9360767
19	1/2" Flat Washer	0142026
20	Bearing Flange (Low Profile Only)	9360852
21	Decal - Pinch Point & Overhead Obstruction	0996083
22	5/8" Flat Washer	0142011
23	5/8" x 2-1/2" Cap Screw	0161011

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ITEM	DESCRIPTION	PART #
1	3/8" Hex Nut	0131018
2	1/2" Lock Nut	0133005
3	1/2" Flat Washer	0142026
4	3/8" Flat Washer	0142031
5	1/2" x 1-1/4" Cap Screw	0161027
6	3/8" x 1-1/2" Cap Screw	0161082
7	Steerable Drive Unit Control Panel (5.3 VSD) - DISCONTINUED	9310605 *
	Steerable Drive Unit Fused Panel (5.3 VSD) - DISCONTINUED	9310586 *
	Steerable Drive Unit Control Panel (7.5 VSD)	9311022
	Steerable Drive Unit Fused Panel (7.5 VSD)	9311021
8	Corner Swing Tower Control Mount	9360663
9	Corner Control Box Side Support	9360666

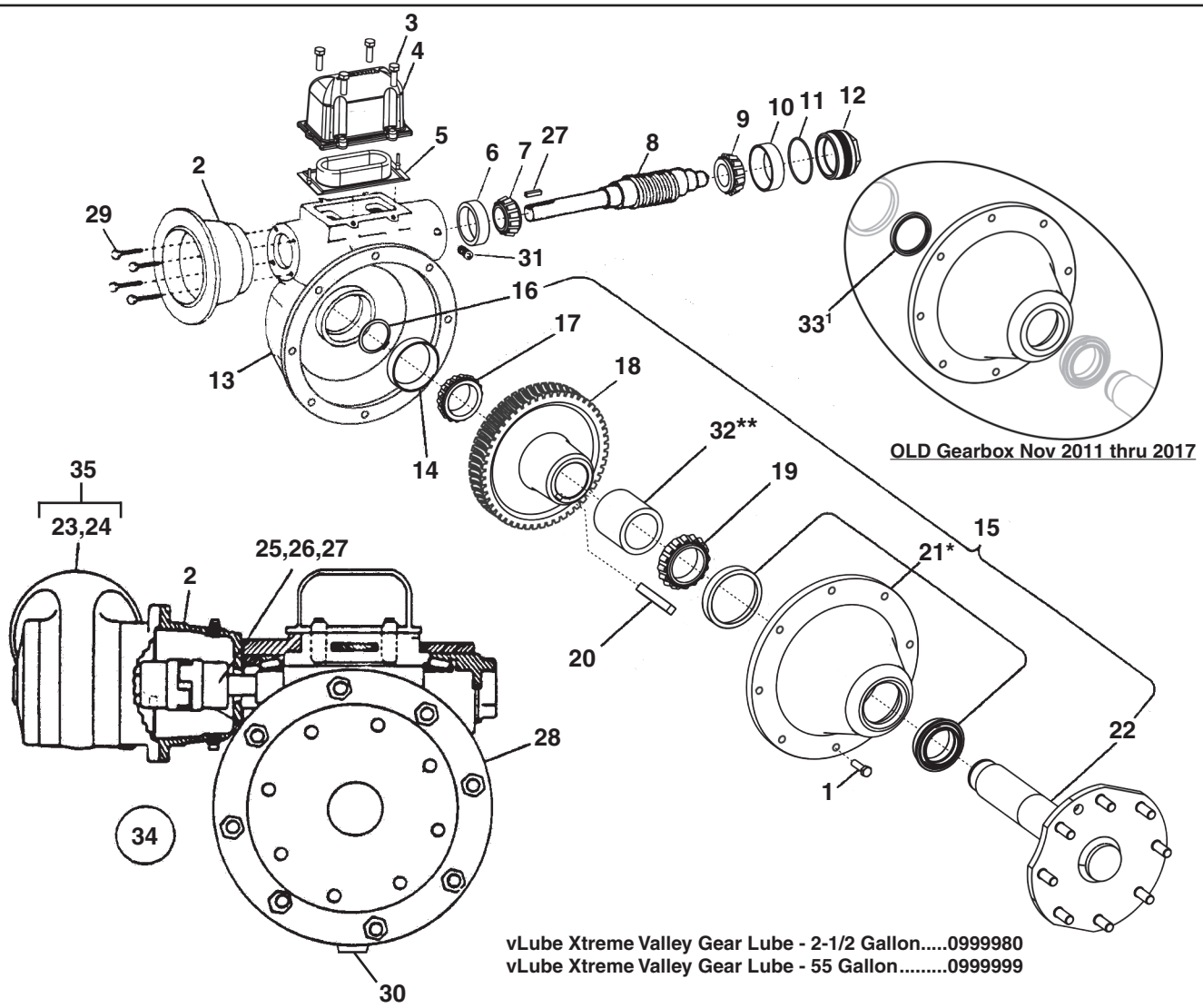
* NOTE: 9310605 replaced by 9311022 and 9310586 replaced by 9311021 when they are used in conjunction with Corner Booster Pump Box (1811600) & Corner Booster Pump Fuse Kit (KA00764).

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ITEM	DESCRIPTION	PART#
1	1/2" Flat Washer	0142025
2	1/2" x 1-1/4" Cap Screw	0164171
3	Electric Motor - 56 RPM 2 HP (Tapered Coupler)	03E2270
4	Gearbox	1701622
5	Water-Proof King Electrical Wire Connector	03E2332
6	Scotch 70 Self-Fusing Tape	03E2306
7	3M Scotchkote Electrical Coating	03E2305
	COMPLETE Gearbox w/Gearmotor (includes Items 3 & 4)	9361638
	vLube Xtreme Valley Gear Lube - 2-1/2 Gallon	0999980
	vLube Xtreme Valley Gear Lube - 55 Gallon	0999999

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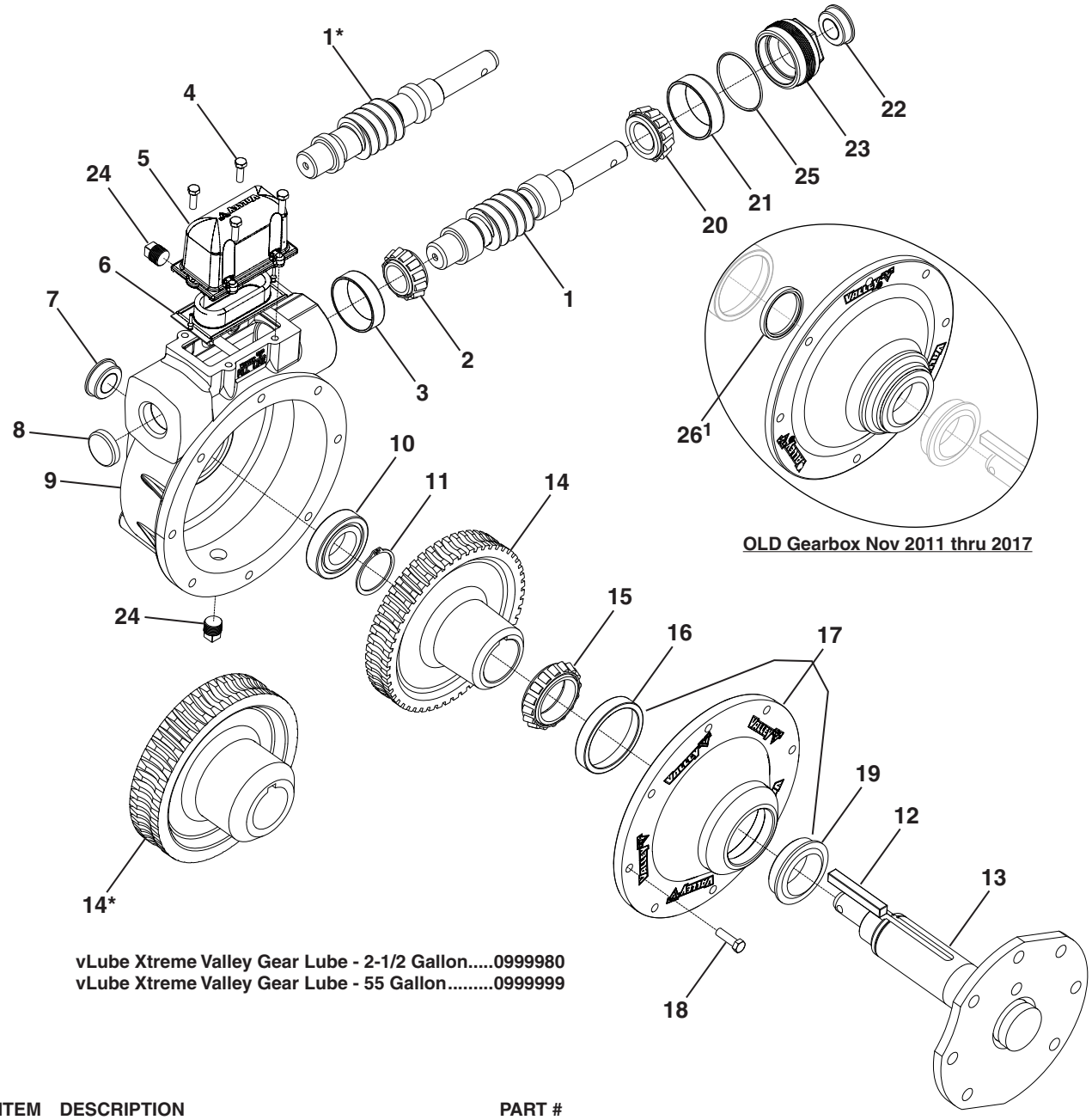
vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

ITEM	DESCRIPTION	PART#	
1	3/8" x 1-1/4" Cap Screw	0161153	
2	Bell Housing	1701617	
3	5/16" x 1" Cap Screw	0161052	
4	Expansion Cap	1701326	
5	Diaphragm	0991230	
6	Cup	0191024	
7	Cone	0191023	
8	Worm Gear	1701618	
9	Cone	0191029	
10	Cup	0191030	
11	O-Ring Seal	0256029	
12	End Cap	1781713	
13	Gearcase Housing	1701621	
14	Cup	0191026	
15	Wheel Worm & Axle Assm. (includes items 16,17,18,19,20,21,22,23,34)	1702225	
16	Corner Gearbox Snap Ring	0257019	
17	Cone	0191025	
18	Wheel Worm	1701423	
19	Cone	0191027	
20	Key	1700853	
21	Neck & Seal Assm. (3" Extended)	1704005	*

ITEM	DESCRIPTION	PART#	
22	Axle Assm. (Universal Eff. Feb. 2002)	1704015	
23	Motor - 2 HP - Stainless Steel Housing	0318174	***
24	56 RPM - Gearbox 31:1 - Splined	0314927	
	56 RPM - Gearbox 31:1 w/Tapered Coupler	03E2271	
25	3 Jaw Coupler (2 req'd)	0991304	
26	Bronze Spider	0991377	
27	Key	1701619	
28	Non-Tow Gearbox - Corner (Includes #2)	1701622	
29	3/8" x 1-3/4" Cap Screw	0161041	
30	1/2" NPT Plug	0246094	
31	5/16-18 x 5/8" Set Screw	0164069	
32	Spacer	1704007	**
33	Spacer (for Output Seal)	0980414	[1]
34	COMP Gearbox w/Gearmotor (Tapered Coupler)	9361638	
35	COMP 56 RPM, 2 HP Gearmotor (Tapered Coupler)	03E2270	

* NOTE: Item 21 includes Cup & Seal
** NOTE: Spacer (Item 32) required w/Neck (Item 21)
*** NOTE: 2 HP - Tapered Rotor (Service) 03E3508
2 HP - Splined Rotor (Service) 03E3509
[1] NOTE: Rebuild ONLY for gearboxes pre-2018 - post Nov 2011.

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vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

ITEM	DESCRIPTION	PART #
1	Worm (Heavy Duty Gearbox)	1732140
	Worm	1701922 *
2	Cone	0191023
3	Cup	0191024
4	5/16" x 1" Cap Screw	0161052
5	Expansion Cap	1701326
6	Diaphragm	0991230
7	Seal	0258023
8	Expansion Plug	0991178
9	Housing w/worm Cup	1750851
10	Bearing	0191046
11	Retaining Ring	0257017
12	Key	1700853
13	Output Shaft	9362098
14	Worm Gear - Bronze	1750952
	Worm Gear	1750850 *
15	Cone	0191027

ITEM	DESCRIPTION	PART #
16	Cup	0191028
17	Neck & Seal Assm.	1701402
18	3/8" x 1-1/4" Cap Screw	0161153
19	Seal	0258024
20	Cone	0191029
21	Cup	0191030
22	Seal	0258023
23	End Cap & Seal	KA01276
24	1/2" NPT Plug	0246094
25	O-Ring	0256029
26	Spacer (for Output Seal)	0980414[1]

Flanged Corner Steering GB Assm. w/Bronze Gear 1751036
Flanged Corner Steering GB Assm. .....1751037 *

[1]NOTE: Item 26 rebuild only for gearboxes pre-2018-post Nov 2011.

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Offset / Rim Description		Front Assm.	Rear Assm.	Tube	Rim	Tire	Operating Pressure (PSI)	Offset (Inches)	Valve Stem
A Hi-Float 14.9 x 24 A	TITAN	1701103	1701104	-	1702348	0991256	18*	0.5[1]	0991282
	FIRESTONE	1704026	1704027	-	1702348	0996552	18*	0.5[1]	0991282
A Hi-Float w/Tube 14.9 x 24 A	TITAN	1703788	1703787	0991175	1702348	0991256	18*	0.5[1]	-
	FIRESTONE	1704028	1704029	0991175	1702348	0996552	18*	0.5[1]	-
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 Turf Tubeless 14.9 x 24	FIRESTONE	9363130	9363130	-	1702348	0997324	18*	0.5[1]	0992182
Hi-Float non-Directional w/Tube 14.9 x 24	FIRESTONE	1704163	1704163	0991175	1702348	0997900	18	0.5	-
Hi-Float non-Directional Tubeless 14.9 x 24	FIRESTONE	1704164	1704164	-	1702348	0997900	18	0.5	0991282
B Tubeless 11.2 x 38 B	TITAN	1703715	1703714	-	1703723	0994214	23	1.72	0991282
	A FIRESTONE	1703851	1703850	-	1703723	0996658	23	1.72	0991282
B w/Tube 11.2 x 38 B	TITAN	1703743	1703744	0994215	1703723	0994214	23	1.72	-
	A FIRESTONE	1703852	1703853	0994215	1703723	0996658	23	1.72	-
6-Ply Tubeless 11.2 x 38	FIRESTONE	9364493	9364494	-	1703723	0999117	34	1.72	0991282
6-Ply w/Tube 11.2 x 38	FIRESTONE	9364491	9364492	0994215	1703723	0999117	34	1.72	-
6-Ply Tubeless 11.2 x 38	TITAN	9363153	9363154	-	1703723	0997337	23	1.72	0991282
6-Ply w/Tube 11.2 x 38	TITAN	9363155	9363156	0994215	1703723	0997337	23	1.72	-
* Radial Tubeless 2.4R38 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	-
Radial Retread w/Tube 11R x 24.5		1702251	1702250	0991290	1702354	1702249	30	2.0	-
* Valley Revolution 15 x 47 *	SOLIDEAL	0999431	0999431	-	-	-	-	-	-

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

[1] **Effective November 2005**

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

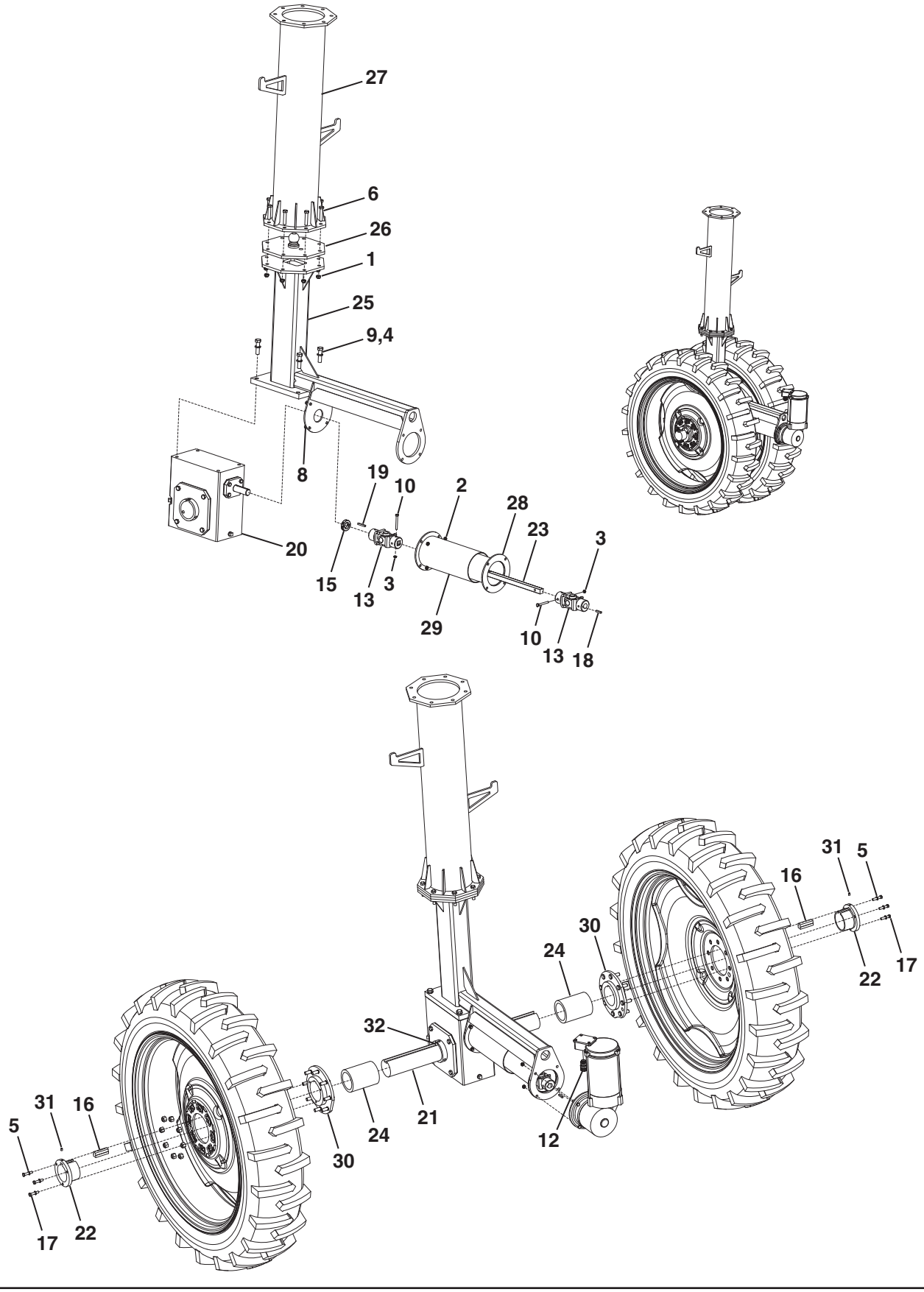
A A: Cannot be used on High Profile Machines. Also cannot be used on 218' Corner.

B B: Cannot be used on 218' Corner.

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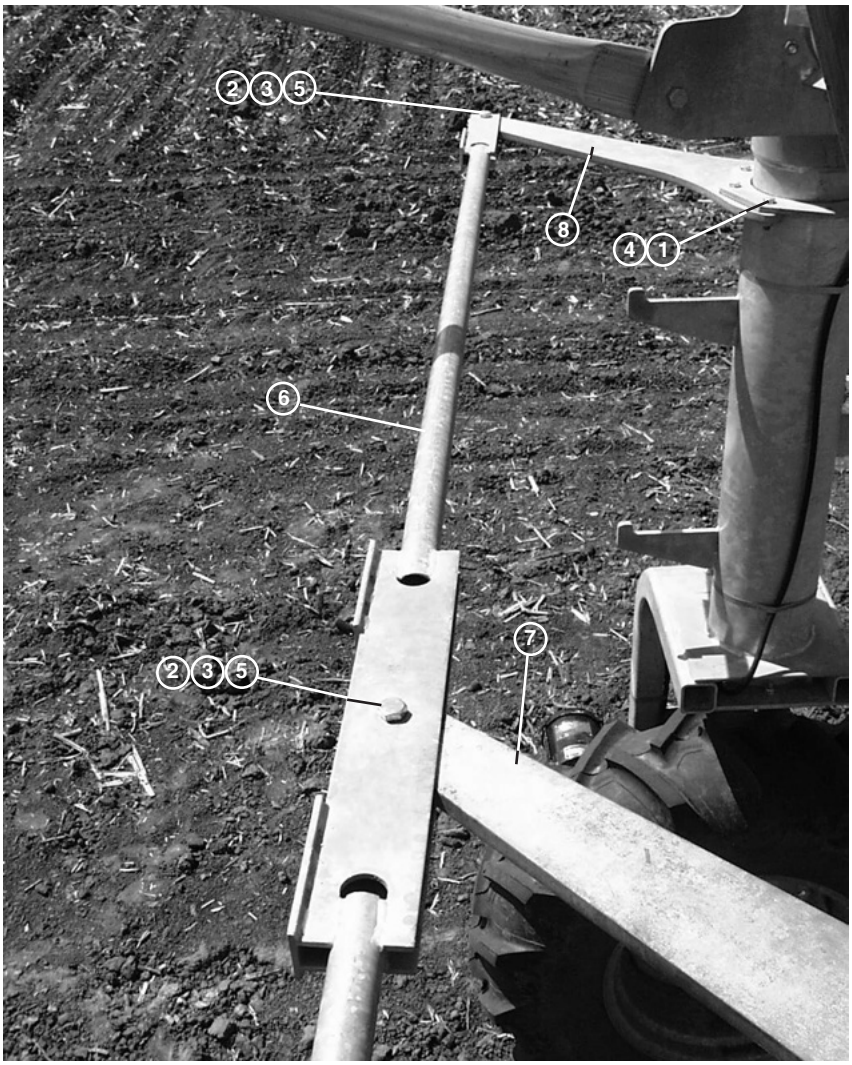


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ITEM	DESCRIPTION	PART#
1	1/2" Lock Nut	0133005*
2	3/8" Lock Nut	0133006*
3	5/16" Lock Nut	0133007*
4	5/8" Lock Washer	0141004*
5	3/8" Lock Washer	0141007*
6	1/2" x 2-1/2" Cap Screw	0161023*
7	3/8" x 1-3/4" Cap Screw	0161041*
8	3/8" x 1" Cap Screw	0161045*
9	5/8" x 1-3/4" Cap Screw	0161088*
10	5/16" x 2-3/4" Cap Screw	0161330*
11	Clamp, Hydraulic	0271051*
12	1/2" Strain Relief Hub	0314119*
13	U-Joint - 7/8" Square to 1-1/4" Dia. Round	0999128*
14	U-Joint - 7/8" Square to 1" Dia. Round	0999129*
15	Shaft Collar - 1-1/4" Shaft Clamp-on	0999206*
16	Stepped Key, Tapered Bushing	0999207*
17	3/8" x 1-3/4" Cap Screw, Tapered Bushing	0999208*
18	1/4" x 1-1/4" Key Square	1750280*
19	1/4" x 1-7/8" Key Square	1751281*
20	Worm Gearbox - Ironman	1751312
21	Drive Shaft - 33.50" Long	1751274
22	Split Taper Bushing - Plated	1751276
23	Square Drive Shaft - 15.25" Long	1751279
24	Shaft Sleeve	9364462
25	Main Leg Assm.	9364467
26	Hitch Ball Assm.	9364468
27	Female Leg Assm.	9364472
28	Guard Tube - Small	9364477
29	Guard Tube - Large	9364479
30	Hub w/Lug Bolts & Nuts - HR1	9364498
31	5/16" x 3/8" Cup Point Set Screw	0999539
32	Gearbox Key - .875 x .688 x 4.00 (Service Part ONLY)	0999563

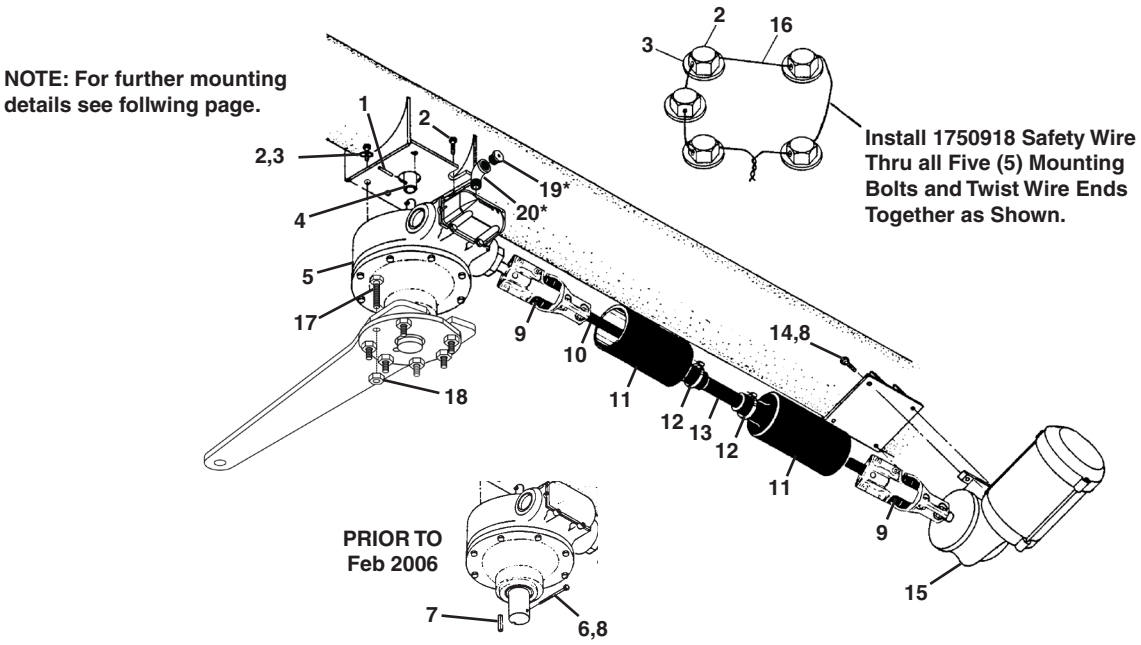
* Corner Dual Drive Hardware Kit KA01767

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ITEM	DESCRIPTION	PART #
1	1/2” Lock Nut	0133005
2	5/8” Lock Nut	0133010
3	5/8” x 2” Cap Screw	0161014
4	1/2” x 2” Cap Screw	0161024
5	Trojan Bar Inner Bushing	0192025
6	Tie Rod	9360569
7	Keyed Steering Arm 31”	9360574
	Flanged Steering Arm Assm. w/ Outer Bushing	1751040
8	Tie Rod Control Arm 31” w/ Outer Bushing	9360767

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ITEM	DESCRIPTION	PART#
1	Roll Pin	0111023
2	1/2" x 1-1/4" Cap Screw (Special)	0164171
3	1/2" Washer	0142025
4	Steering Shaft	9360669
5	Corner Steering Flanged Gearbox w/Bronze Gear	1751036
	Corner Steering Gearbox w/Bronze Gear - Heavy Duty Worm (Prior to Jan 05)	1750941**
6	3/8" x 4" Cap Screw	0164153
7	Key	0992836
8	3/8" Lock Nut	0133006
9	Ultra Heavy Duty Flex Joint	KA01300
10	Drive Shaft	0992837
11	Short Drive Shaft Shield	1702615
12	Clamp	0271013
13	Drive Shaft Shield	0992867
14	3/8" x 1-1/2" Cap Screw	0161082
15	3/4 HP Gearmotor 20 RPM	03E2055
16	Safety Wire	1750918
17	5/8" x 2-1/2" Cap Screw	0161011
18	5/8" Lock Nut	0133010
19	Breather Bent - 1/2" NPT (Plastic)	0980292*
20	1/2" NPT x 90° Elbow Fitting (Galvanized)	0241056*

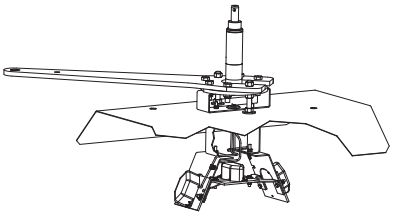
* Gearbox Breather Vent Kit KA02671

** NOTE: Rebuild Parts

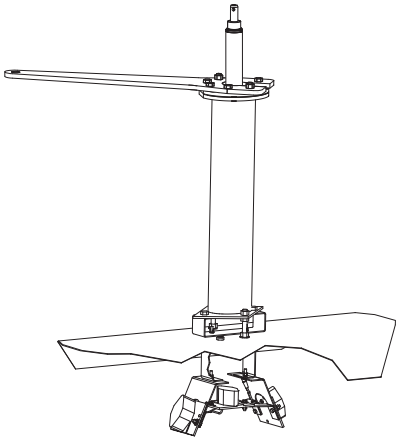
Bronze Gear 1750952

Steel Worm 1732140

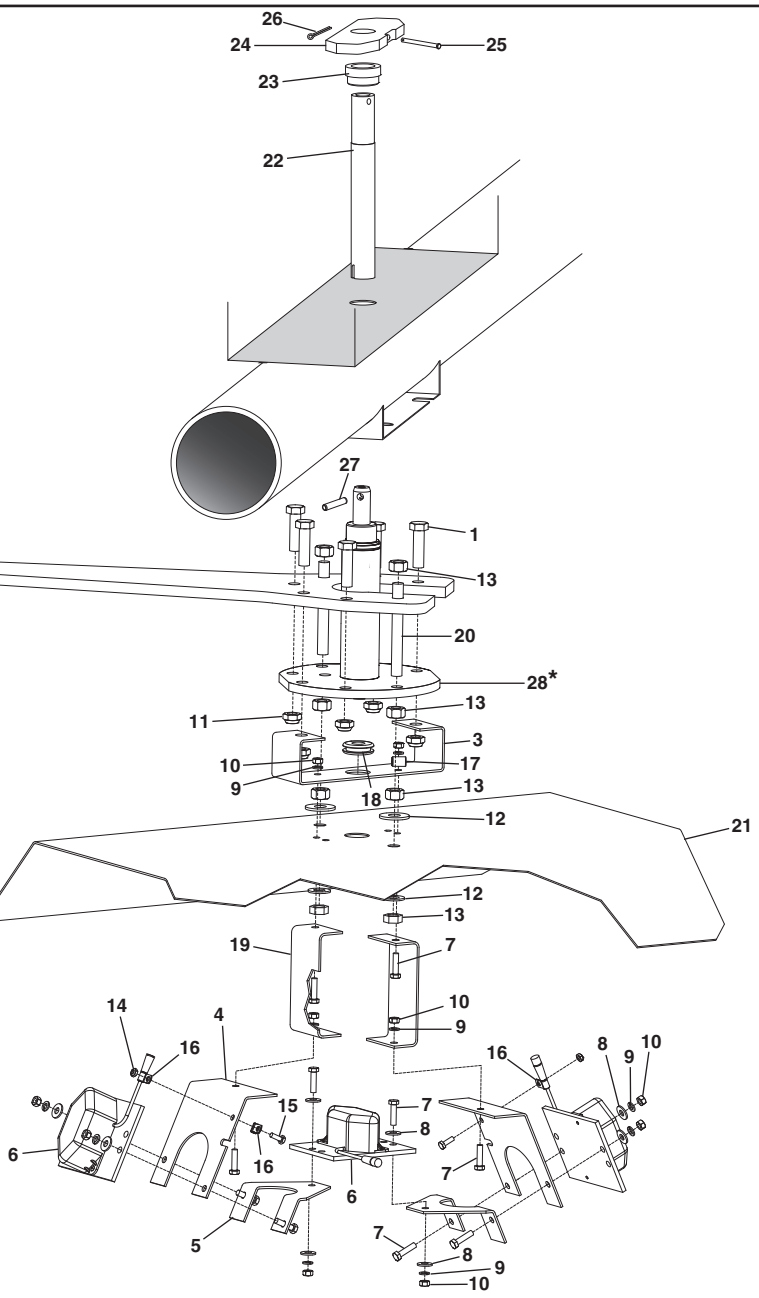
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"ASSEMBLED VIEW"
(Standard & Low Profile)



"ASSEMBLED VIEW"
(High Profile)

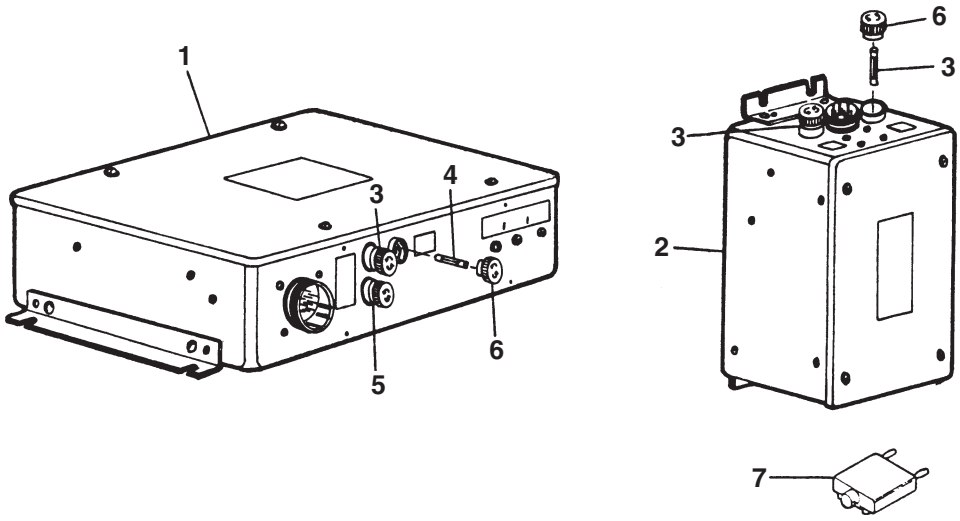


ITEM	DESCRIPTION	PART#
1	5/8" x 2-1/2" Cap Screw	0161011
2	Steering Arm - Flanged Gearbox	1751040
3	Corner Antenna Bracket	9360668
4	Large Antenna Mounting Bracket	1750630
5	Small Antenna Mounting Bracket	1750631
6	Reference Antenna 833 Hz - 7' Leads	03E3835
	Reference Antenna 1000 Hz - 7' Leads	03E3829
	Reference Antenna 1200 Hz - 7' Leads	03E3830
7	5/16" x 1-1/4" Hex Bolt	0161051
8	5/16" Flat Washer	0142017
9	5/16" Lock Washer	0141008
10	5/16" Hex Nut	0131019
11	5/8" Lock Nut	0133010
12	5/8" Flat Washer	0142011
13	5/8" Hex Nut	0131009
14	1/4" Lock Nut	0133008
15	1/4" x 3/4" Cap Screw	0161057

ITEM	DESCRIPTION	PART#
16	3/16" Loop Clamp	03E4451
17	3/8" Loop Clamp	03E4452
18	1-7/16" Push-In Grommet - Rubber	03E4453
19	Corner Antenna Extension Bracket	9360803
20	Corner 5.00 x 5/8" All Thread	9360806
21	Corner Antenna Shield (Stand. & Low Prof.)	9360802
22	Steering Shaft	9360669
23	Steering Bushing	9360653
24	Steering Cam - 140°	9360654
25	3/8" x 3" Clevis Pin	0112040
26	5/32" x 1" Cotter Pin	0151020
27	Roll Pin	0111023
28	Corner Steering Flanged Gearbox w/Bronze Gear	1751036*

*** Full Gearbox not shown for clarity.**

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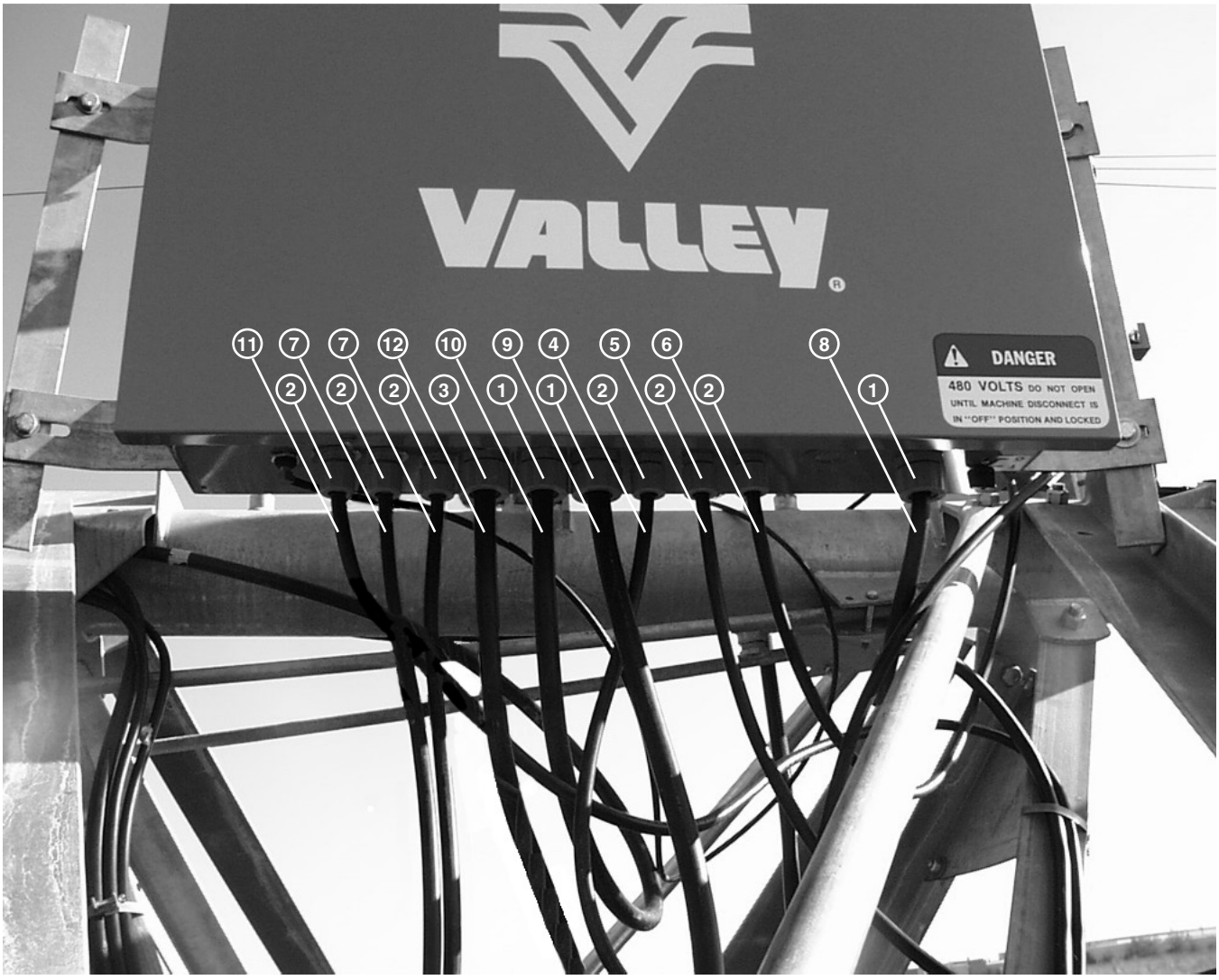


ITEM	DESCRIPTION	PART #
1	Valmont Guidance Receiver (New)	03E1501
	*Rebuilt Guidance Control	03E1546
2	833 Hz Oscillator (New)	03E2244
	*Rebuilt 833 Hz Oscillator	03M2244
	1000 Hz Oscillator (New)	03E2245
	*Rebuilt 1000 Hz Oscillator	03M2245
	1200 Hz Oscillator (New)	03E2246
	*Rebuilt 1200 Hz Oscillator	03M2246
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	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	1" Strain Relief Hub	0314466
2	1/2" Cord Connector Hub	0314119
3	3/4" Strain Relief Hub	03E2481
4	Electrical Cable - 4 Cond. 14 Ga. (9'-3")(Blue)	1811129
5	Electrical Cable - 4 Cond. 14 Ga. (18'-6")(Gold)	1810387
6	Electrical Cable - 4 Cond. 14 Ga. (32'-0")(Teal)	1731102
7	Electrical Cable - 4 Cond. 14 Ga. (24'-0")(Pink)	1811218
8	Electrical Cable - 11 Cond. 12 Ga. (10'-0")(Gray)	1813831
9	Electrical Cable - 12 Cond. 10 Ga. (196'-0")(185' Span)	1814325
	Electrical Cable - 12 Cond. 10 Ga. (216'-0")(205' Span)	1814324
10	Electrical Cable - 15 Cond. 14 Ga. (17'-0")(Red)	9310468
11	Electrical Cable - 5 Cond. 14 Ga. (11'-0")(Purple)	9310470
12	Electrical Cable - 4 Cond. 18 Ga. (196'-0")	1814321
	Electrical Cable - 4 Cond. 18 Ga. (216'-0")	1814320

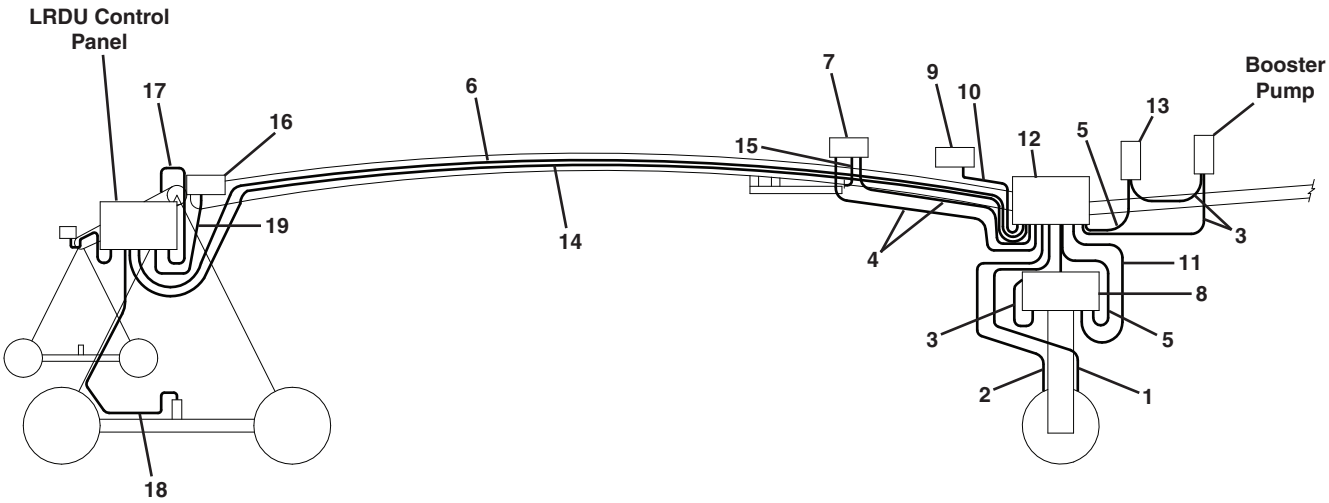
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ITEM	DESCRIPTION	PART #
1	Electrical Cable - 4 Cond. 14 Ga. (32'-0")(Teal)	1731102
2	Electrical Cable - 4 Cond. 14 Ga. (18'-6")(Gold)	1810387
3	Electrical Cable - 4 Cond. 14 Ga. (9'-3")(Blue)	1811129
4	Electrical Cable - 4 Cond. 14 Ga. (24'-0")(Pink)	1811218
5	Electrical Cable - 11 Cond. 12 Ga. (10'-0")(Gray)	1813831
6	Electrical Cable - 4 Cond. 18 Ga. (196'-0")	1814321
	Electrical Cable - 4 Cond. 18 Ga. (216'-0')	1814320
7	Corner Span Sensor Box	9310432
8	Corner Swing Tower Box	9310435
	Corner Swing Tower Box (5 HP)	9310587
9	13 Solenoid Valve Box w/o Lid	9310437
	11 Solenoid Valve Box w/o Lid	9310588
10	Electrical Cable - 15 Cond. 14 Ga. (17'-0")(Red)	9310468
11	Electrical Cable - 5 Cond. 14 Ga. (11'-0")(Purple)	9310470
12	Steerable Drive Unit Fused Panel (5.3 HP) - DISCONTINUED	9310586*
	Steerable Drive Unit Control Panel (5.3 HP) - DISCONTINUED	9310605*
	Steerable Drive Unit Fused Panel (7.5 HP)	9311021
	Steerable Drive Unit Control Panel (7.5 HP)	9311022
13	Booster Pump Box	1811600**
	Booster Pump Box (UL)	1814168**
14	Electrical Cable - 12 Cond. 10 Ga. (196'-0")	1814325
	Electrical Cable - 12 Cond. 10 Ga. (216'-0")	1814324
15	Proximity Sensor Cable	03E2225
16	Corner Angle Sensor Box	9310431
17	Pressure Transducer Cable 3 Cond. 18 Ga. (15'-0")	9311054
18	LRDU Drive Motor Lead - 4 Cond. 14 Ga. (20'-6")	1812008
19	Angle Sensor Signal Motor Lead - 4 Cond. 14 Ga. (13'-4")	1811455

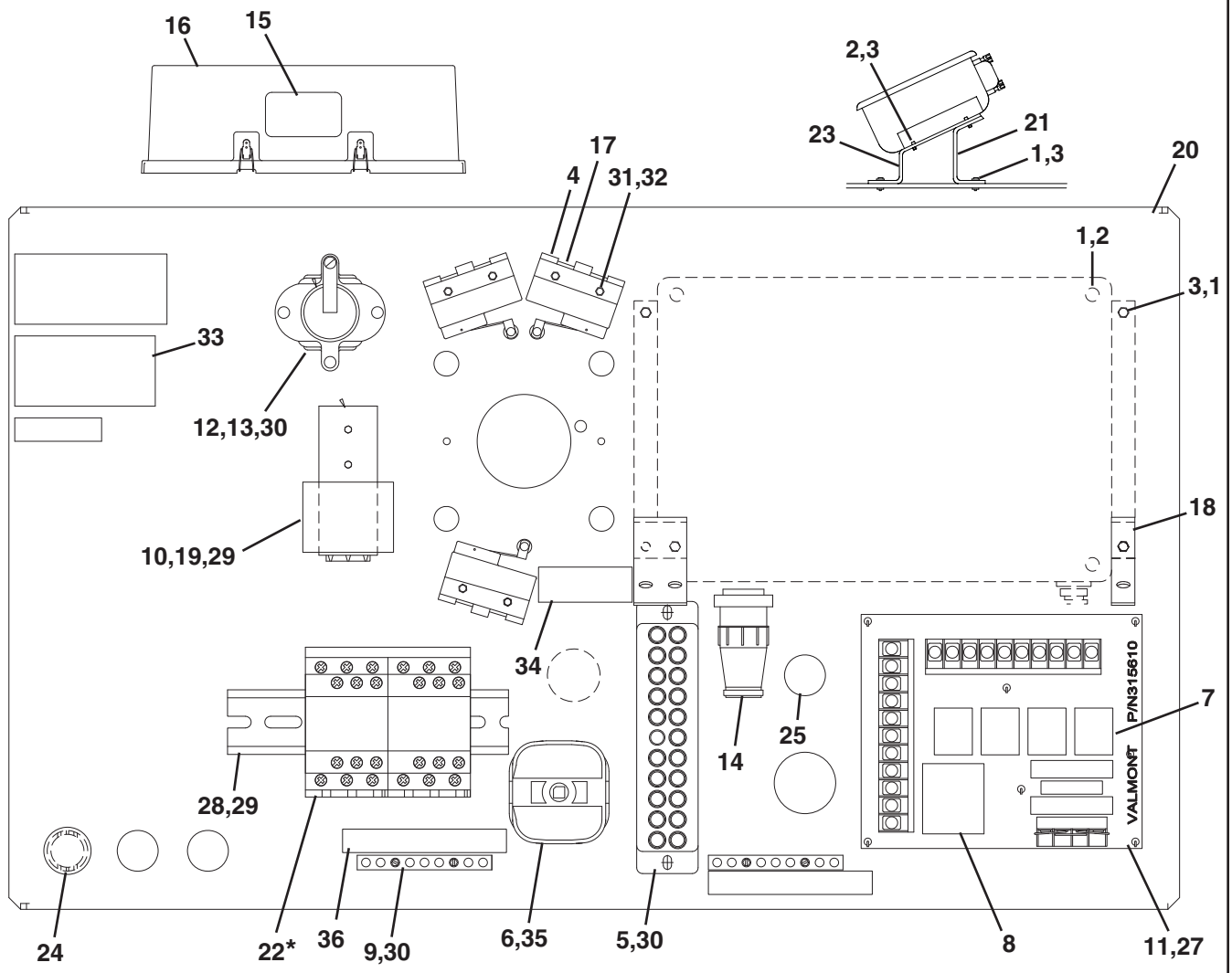
*** NOTE: 9310605 replaced by 9311022 and 9310586 replaced by 9311021 when they are used in conjunction with Corner Booster Pump Box (1811600) & Corner Booster Pump Fuse Kit (KA00764).**

**** NOTE: These Components are used with SDU Panel (9311021) Only.**



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Functional Area	Assembly / Part	Rev# 12-17
Electrical Detail	Swing Tower Box (2 HP Booster Pump)	



ITEM	DESCRIPTION	PART#
1	#8 Standard Hex Nut	0134023
2	#8 x 3/4" Screw	0164041
3	#8 x 1/2" Screw	0164042
4	Microswitch	03E0307
5	Terminal Strip - 11 Term.	03E1899
6	Power Disconnect	0314540
7	4 Pole Relay - 120 V	0314610
8	3 Pole Relay - 120 V AC	0314936
9	Ground Lug - 7 Terminal	0315120
10	Lightning Arrestor	0315605
11	Receiver Protection P.C.B.	0315610
12	Backlite Cleat Receptacle	0315619
13	Space Heater	0315620
14	Wiring Harness	0315629
15	Decal - Tower Box Cover	0991261
16	Swing Tower Box Cover	1750812
17	Insulator Block	1701632
18	Receiver Bracket Brace	1702339
19	Electronic Lightning Arrestor Bracket	1702384
20	Swing Tower Box Bottom Plate	9310460
21	Receiver Bracket Brace	9360808
22	Reversing Contactor	03E2333*

ITEM	DESCRIPTION	PART#
23	Receiver Bracket	1702338
24	Snap Button Hole Plug	03E2166
25	Strain Relief Bushing	0315480
26	Gasket Kit (not shown)	0992691
27	Snap-In Circuit Board Spacer	03E0412
28	Din Rail Mount Bracket - 6.25" Long	9310700
29	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
30	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
31	#6 Hex Nut	0134027
32	#6 x 1-1/4" Machine Screw - Round Head	0164090
33	Decal - Terminal Torque	0998450
34	Decal - UL Power Supply	0994149
35	Decal - Disconnect	0992090
36	Decal - Ground	0992925
	Decal - Swing Tower Box Wiring Schematic (Decal not shown, is shipped w/Box Assm. and field installed)	0998070
	Swing Tower Box Assm. w/o Cover (Less Receiver)	9310435

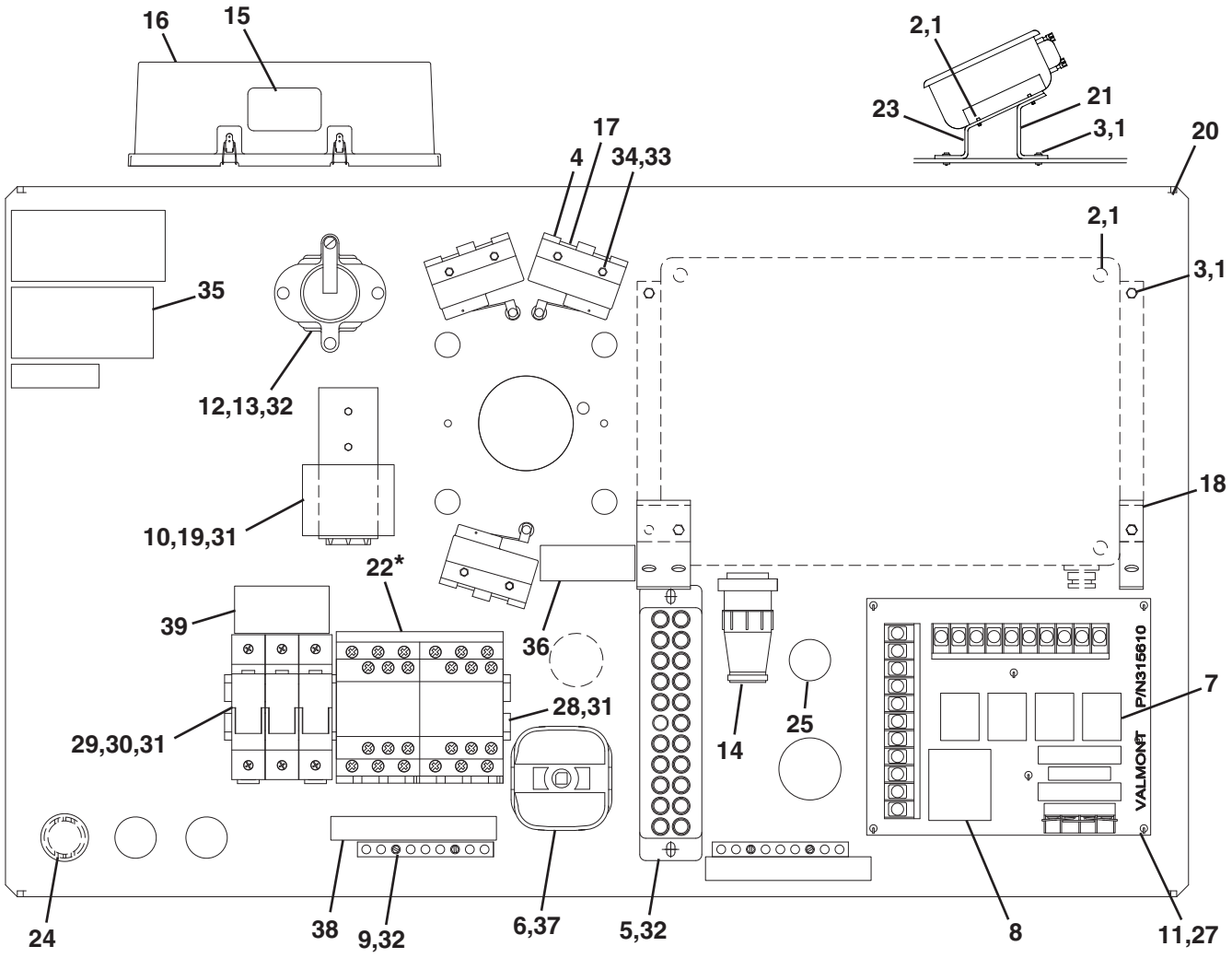
* NOTE: Includes (2) 4-Pole Contactors (03E2325) & Mechanical Interlock

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Functional Area
Electrical Detail

Assembly / Part
Swing Tower Box (5 & 7 HP Booster Pump)

Rev# 12-17



ITEM	DESCRIPTION	PART#
1	#8 Standard Hex Nut	0134023
2	#8 x 3/4" Screw	0164041
3	#8 x 1/2" Screw	0164042
4	Microswitch	03E0307
5	Terminal Strip - 11 Term.	03E1899
6	Power Disconnect	0314540
7	4 Pole Relay - 120 V	0314610
8	3 Pole Relay - 120 V AC	0314936
9	Ground Lug - 7 Terminal	0315120
10	Lightning Arrestor	0315605
11	Receiver Protection P.C.B.	0315610
12	Backlite Cleat Receptacle	0315619
13	Space Heater	0315620
14	Wiring Harness	0315629
15	Decal - Tower Box Cover	0991261
16	Swing Tower Box Cover	1750812
17	Insulator Block	1701632
18	Receiver Bracket Brace	1702339
19	Electronic Lightning Arrestor Bracket	1702384
20	Swing Tower Box Bottom Plate	9310460
21	Receiver Bracket Brace	9360808
22	Reversing Contactor	03E2333*
23	Receiver Bracket	1702338
24	Snap Button Hole Plug	03E2166

ITEM	DESCRIPTION	PART#
25	Strain Relief Bushing	0315480
26	Gasket Kit (not shown)	0992691
27	Snap-In Circuit Board Spacer	03E0412
28	Din Rail Mount Bracket - 6.25" Long	9310700
29	3-Pole Fuse Block	03E3443
30	Fuse - 8 Amp 600V	03E1620
31	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
32	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
33	#6 Hex Nut	0134027
34	#6 x 1-1/4" Machine Screw - Round Head	0164090
35	Decal - Terminal Torque	0998450
36	Decal - UL Power Supply	0994149
37	Decal - Disconnect	0992090
38	Decal - Ground	0992925
39	Decal - Fuse	0998946
	Decal - Linear Span Tower Box Wiring Schem.	0998071
	(Decal not shown, is shipped w/Box Assm. and field installed)	
	Swing Tower Box Assm. 5 H.P. Fused w/Cover (Less Receiver)	9310587

*** NOTE: Includes (2) 4-Pole Contactors (03E2325) & Mechanical Interlock**

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ITEM	DESCRIPTION	PART#
1	Elbow Tube to Male Pipe Fitting	0232361
2	Contact Block - N.O.	03E2222
3	18 Pole Terminal Strip - 20 Amp 600 V	03E1561
4	6 Pole Terminal Strip Plug	03E1611
5	3 Pole Terminal Strip Plug	03E2038
6	Fuseblock Din Rail Adaptor	03E1613
7	Contactor Din Rail Adaptor Bracket	03E1618
8	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
9	Relay Socket - 3 PDT 11 Pin	03E1650
10	3 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1720
11	2 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1721
12	3 Pole Fuseblock - 600 V	03E1735
13	Fuse - 15 Amp 600 V	03E1740
14	4 Pole Contactor - 30 Amp 120 V	03E1861
15	Terminal Block	03E1899
16	Flexible Interconnect - 20 Cond.	03E1978
17	Suppressor, UL	03E2232
18	I/O Printed Circuit Board	03E2028
19	Smart Tower Printed Circuit Board v1.40	03E2301
20	Relay - Solid State	03E2179
21	Power Disconnect	0314540
22	Indicator Light	0314595
23	Relay - 120 V AC	0314936
24	7 Terminal Ground Lug	0315120
25	Terminal Strip - 3 Terminal	0315121
26	3 Pole Contactor	03E2325
27	Pushbutton - D.P.D.T.	03E2224
	Contact Block Only (Service Only)	03E2222
28	Pressure Switch	0315994

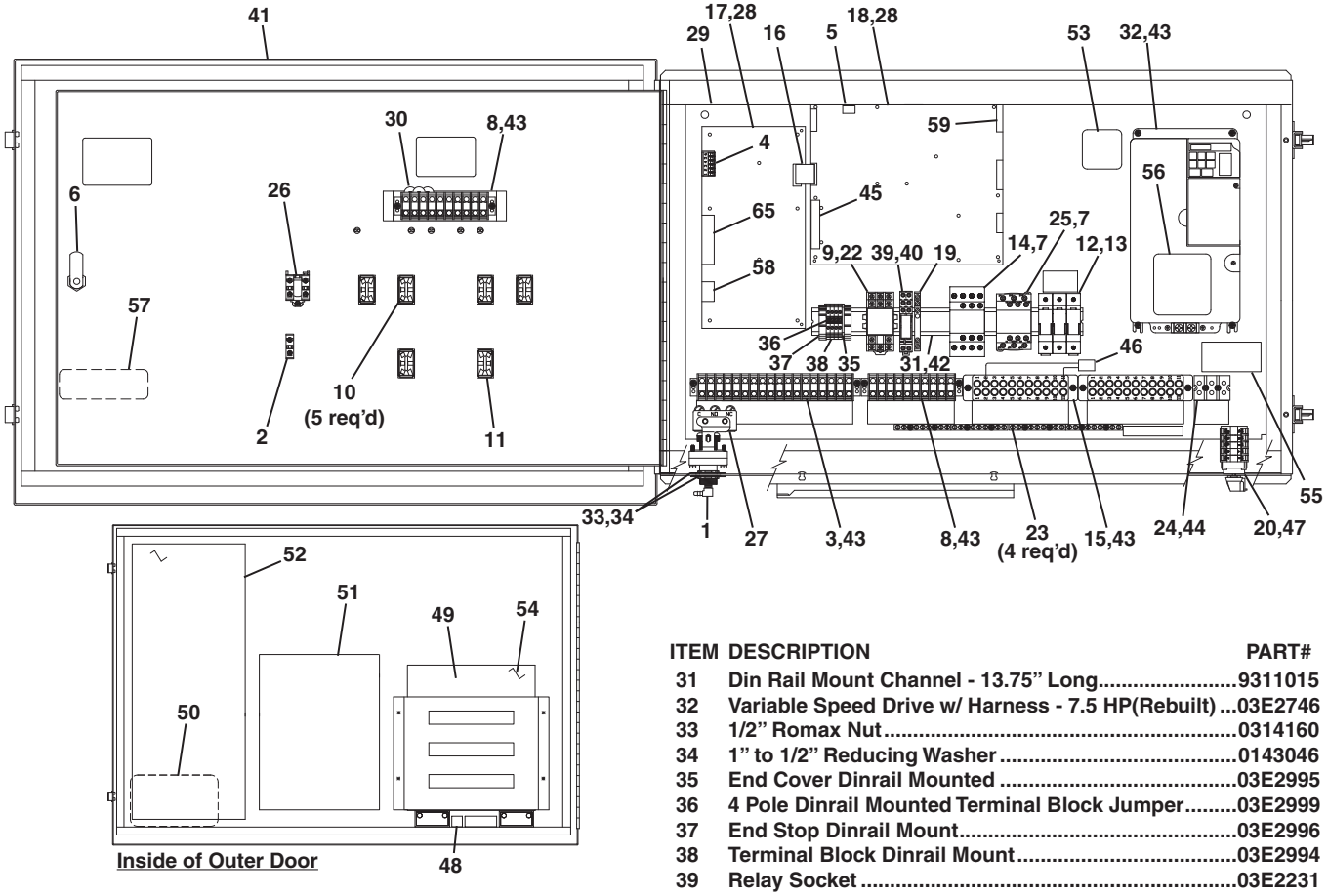
ITEM	DESCRIPTION	PART#
29	Decal - Ground Lug	0992925
30	Decal - Corner Terminal Strip #1	0995796
31	Decal - Corner Terminal Strip #2	0995803
32	Decal - Corner Terminal Strip #3	0995879
33	Decal - Corner Terminal Strip #4	0995886
34	Decal - 3 Position Terminal Block	0996000
35	Din Rail Mount Channel - 17" Long	9310607
36	Din Rail Mount Channel - 6" Long	9310608
37	Dinverter - 5.3 H.P. w/Software & Harness	9310610
38	Corner Owner/Operator Manual	0996070
39	1/2" Romax Nut	0314160
40	1" to 1/2" Reducing Washer	0143046
41	End Bracket Dinrail Mount	03E2996
42	Terminal Block Dinrail Mount	03E2994
43	End Cover Dinrail Mounted	03E2995
44	4 Pole Dinrail Mounted Terminal Block Jumper	03E2999
45	Relay	03E2230
46	Relay Socket	03E2231

COMPLETE Control Panel Assm. - DISCONTINUED 9310605
NOTE: 9310605 replaced by 9311022 when used in conjunction with Corner Booster Pump Box (1811600) & Corner Booster Pump Fuse Kit (KA00764).

NOTE: Dinverter Terminal Strips

Terminal Strip - 7 Pole - OBSOLETE Jun 2016	03E2058
Terminal Strip - 10 Pole - OBSOLETE Jun 2016	03E2059
Terminal Strip - 12 Pole - OBSOLETE Jun 2016	03E2060

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ITEM	DESCRIPTION	PART#
1	Elbow Tube to Male Pipe Fitting	0232361
2	Contact Block - N.O.	03E2222
3	18 Pole Terminal Strip - 20 Amp 600 V	03E1561
4	6 Pole Terminal Strip Plug	03E1611
5	3 Pole Terminal Strip Plug	03E2038
6	Cabinet Lock	0991370
7	Suppressor	03E3546
8	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
9	Relay Socket - 3 PDT 11 Pin	03E1650
10	3 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1720
11	2 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1721
12	3 Pole Fuseblock - 600 V	03E3443
13	Fuse - 15 Amp 600 V	03E1740
14	4 Pole Contactor - 40 Amp 120 V 4 Pole	03E3542
15	T11 Pole Terminal Strip	03E1899
16	Flexible Interconnect - 20 Cond.	03E1978
17	I/O Printed Circuit Board	03E2028
18	Smart Tower Printed Circuit Board v1.40	03E2301
19	Relay - Solid State	03E2179
20	Power Disconnect	0314540
21	Indicator Light	0314595
22	Relay - 120 V AC	0314936
23	7 Terminal Ground Lug	0315120
24	Terminal Strip - 3 Terminal	0315121
25	3 Pole Contactor - 12 Amp	03E2325
26	Pushbutton - Flush.	03E2438
	Pushbutton Contact Block Only (Service Part)	03E2439
27	Pressure Switch	0315994
28	Circuit Board Spacer - Snap In	03E0412
29	Control Box Backpanel	9310459
30	Terminal Strip Jumper	03E1644

ITEM	DESCRIPTION	PART#
31	Din Rail Mount Channel - 13.75" Long	9311015
32	Variable Speed Drive w/ Harness - 7.5 HP(Rebuilt)	03E2746
33	1/2" Romax Nut	0314160
34	1" to 1/2" Reducing Washer	0143046
35	End Cover Dinrail Mounted	03E2995
36	4 Pole Dinrail Mounted Terminal Block Jumper	03E2999
37	End Stop Dinrail Mount	03E2996
38	Terminal Block Dinrail Mount	03E2994
39	Relay Socket	03E2231
40	Relay	03E2230
41	Corner Panel Box & Doors Assm.	9311023
42	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
43	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
44	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
45	Drive Power Harness w/Resistor	03E2183
46	Suppressor	03E2232
47	Decal - Disconnect	0992090
48	Decal - "CE" European Communities	0994639
49	Owner/Operator Manual	0996070
50	Decal - Warning Water Entry Prevention	0996074
51	Decal - Quick Reference Guide	0996384
52	Decal - Inverter Error Code	0996478
53	Decal - Electrical Specs.	0997164
54	Corner Technical Manual w/Yaskawa	0997212
55	Decal - Terminal Block Torque	0998450
56	Decal - Danger Capacitors	0999121
57	Decal - Warning Arc Flash	0999135
58	Power Harness Assm. - 4 Pin 3 Wire	9310443
59	Relay Input Harness Assm. - 5 Pin 5 Wire	9310462
60	Harness Assm. - 6 Pin 6 Wire 120 VAC Output (not shown)	9310463
61	Interface Harness Assm. - 6 Pin 4 Wire (not shown)	9310599
62	Crnr. B.P. Sock. Wires Assm. - 8 Circuit Plug (not shown)	9310600
63	Crnr. Inter. Pins & Wires Assm. 8 Circuit Cap (not shown)	9310601
64	Corner Pins/Wires Assm. - 9 Circuit Housing (not shown)	9310613
65	SDU Harness Strip - 12 Wire 12 Terminal	9310654
66	Electrical Wiring Harness (not shown)	0314225
	Decal Sheet - Corner Steerable Panel	0996008*
	Corner SDU Control Panel Assm.	9311022

***NOTE: Other decals included on 1 sheet for Reorder purposes.**

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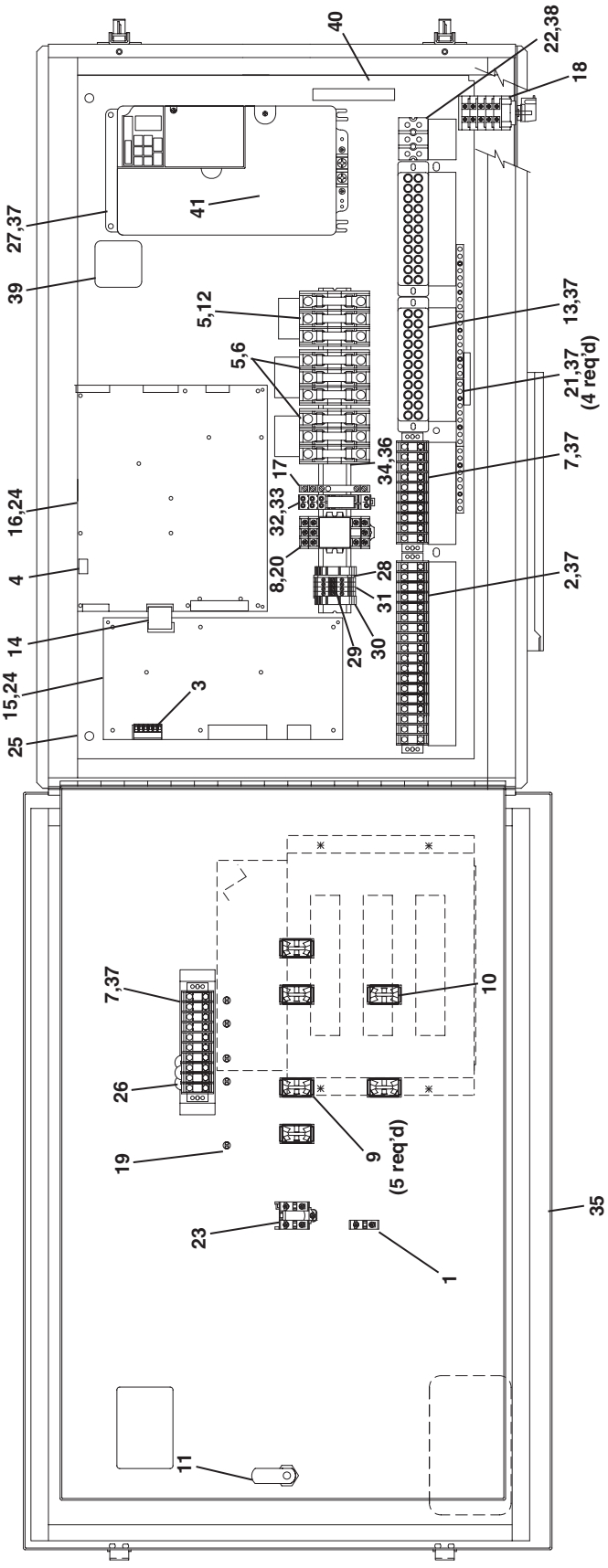
ITEM	DESCRIPTION	PART#
1	Elbow Tube to Male Pipe Fitting	0232361
2	Contact Block - N.O.	03E2222
3	18 Pole Terminal Strip - 20 Amp 600 V	03E1561
4	6 Pole Terminal Strip Plug	03E1611
5	3 Pole Terminal Strip Plug	03E2038
6	Fuseblock Din Rail Adaptor	03E1613
7	Contactor Din Rail Adaptor Bracket	03E1618
8	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
9	Relay Socket - 3 PDT 11 Pin	03E1650
10	3 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1720
11	2 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1721
12	3 Pole Fuseblock - 600 V	03E1735
13	Fuse - 15 Amp 600 V	03E1740
14	4 Pole Contactor - 30 Amp 120 V	03E1861
15	Terminal Strip - 11 Terminal	03E1899
16	Flexible Interconnect - 20 Cond.	03E1978
17	Suppressor, UL	03E2232
18	I/O Printed Circuit Board	03E2028
19	Smart Tower Printed Circuit Board v1.40	03E2301
20	Relay - Solid State	03E2179
21	Power Disconnect	0314540
22	Indicator Light	0314595
23	Relay - 120 VAC	0314936
24	7 Terminal Ground Lug	0315120
25	Terminal Strip - 3 Terminal	0315121
26	3 Pole Contactor	03E2325
27	Pushbutton - D.P.D.T.	03E2224
	Contact Block Only (Service Part)	03E2222
28	Pressure Switch	0315994

ITEM	DESCRIPTION	PART#
29	Decal - Ground Lug	0992925
30	Decal - Corner Terminal Strip #1	0995796
31	Decal - Corner Terminal Strip #2	0995803
32	Decal - Corner Terminal Strip #3	0995879
33	Decal - Corner Terminal Strip #4	0995886
34	Decal - 3 Position Terminal Block	0996000
35	Din Rail Mount Channel - 17" Long	9310607
36	Din Rail Mount Channel - 6" Long	9310608
37	Dinverter - 5.3 H.P. w/Software & Harness	9310610
38	Corner Owner/Operator Manual	0996070
39	1/2" Romax Nut	0314160
40	1" to 1/2" Reducing Washer	0143046
41	End Bracket Dinrail Mount	03E2996
42	Terminal Block Dinrail Mount	03E2994
43	End Cover Dinrail Mounted	03E2995
44	4 Pole Dinrail Mounted Terminal Block Jumper	03E2999
45	Fuse - 8 Amp 600 V	03E1620
46	Relay	03E2230
47	Relay Socket	03E2231

COMPLETE Control Panel Assm. - DISCONTINUED 9310586
NOTE: 9310586 replaced by 9311021 when used in conjunction with Corner Booster Pump Box (1811600) & Corner Booster Pump Fuse Kit (KA00764).

NOTE: Dinverter Terminal Strips
Terminal Strip - 7 Pole - OBSOLETE Jun 2016 ..... 03E2058
Terminal Strip - 10 Pole - OBSOLETE Jun 2016 ..... 03E2059
Terminal Strip - 12 Pole - OBSOLETE Jun 2016 ..... 03E2060

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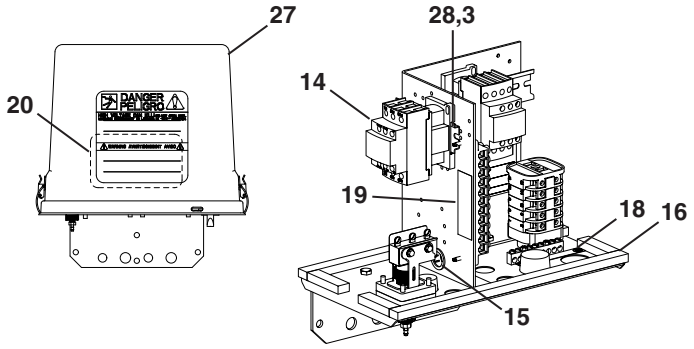


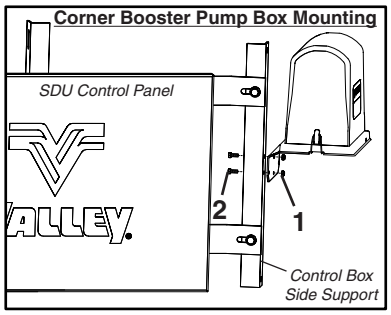
ITEM	DESCRIPTION	PART#
1	Contact Block - N.O.	03E2222
2	18 Pole Terminal Strip - 20 Amp 600 V	03E1561
3	6 Pole Terminal Strip Plug	03E1611
4	3 Pole Terminal Strip Plug	03E2038
5	3 Pole Fuseblock	03E1613
6	Fuse - 8 Amp 600 V	03E1620
7	10 Pole Terminal Strip - 20 Amp 600 V	03E1649
8	Relay Socket - 3 PDT 11 Pin	03E1650
9	3 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1720
10	2 Tab Rocker Switch - S.P.D.T. 15 Amp	03E1721
11	Cabinet Lock	0991370
12	Fuse - 15 Amp 600 V	03E1740
13	Terminal Strip - 11 Terminal	03E1899
14	Flexible Interconnect - 20 Cond.	03E1978
15	I/O Printed Circuit Board	03E2028
16	Smart Tower Printed Circuit Board v1.40	03E2301
17	Relay - Solid State	03E2179
18	Power Disconnect	0314540
19	Indicator Light	0314595
20	Relay - 120 V AC	0314936
21	7 Terminal Ground Lug	0315120
22	Terminal Strip - 3 Terminal	0315121
23	Pushbutton - D.P.D.T.	03E2438
	Pushbutton Contact Block Only (Service Part)	03E2439
24	Circuit Board Spacer	03E0412

ITEM	DESCRIPTION	PART#
25	Control Box Backpanel	9310459
26	Terminal Strip Jumper	03E1644
27	Variable Speed Drive w/Harness - 7.5 HP(Rebuilt)	03E2746
28	End Cover Dinrail Mounted	03E2995
29	4 Pole Dinrail Mounted Terminal Block Jumper	03E2999
30	End Stop Dinrail Mount	03E2996
31	Terminal Block Dinrail Mount	03E2994
32	Relay Socket	03E2231
33	Relay	03E2230
34	Dinrail Mounting Channel - 13.75" Long	9311015
35	Corner Panel Box & Doors	9311023
36	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
37	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
38	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
39	Decal - Electrical Specs	0997164
40	Decal - Terminal Block Torque	0998450
41	Decal - Danger Capacitors	0999121
42	Electrical Wiring Harness (not shown)	0314225
	Decal Sheet - Corner Steerable Panel	0996008*
	Corner SDU Fused Control Panel Assm	9311021

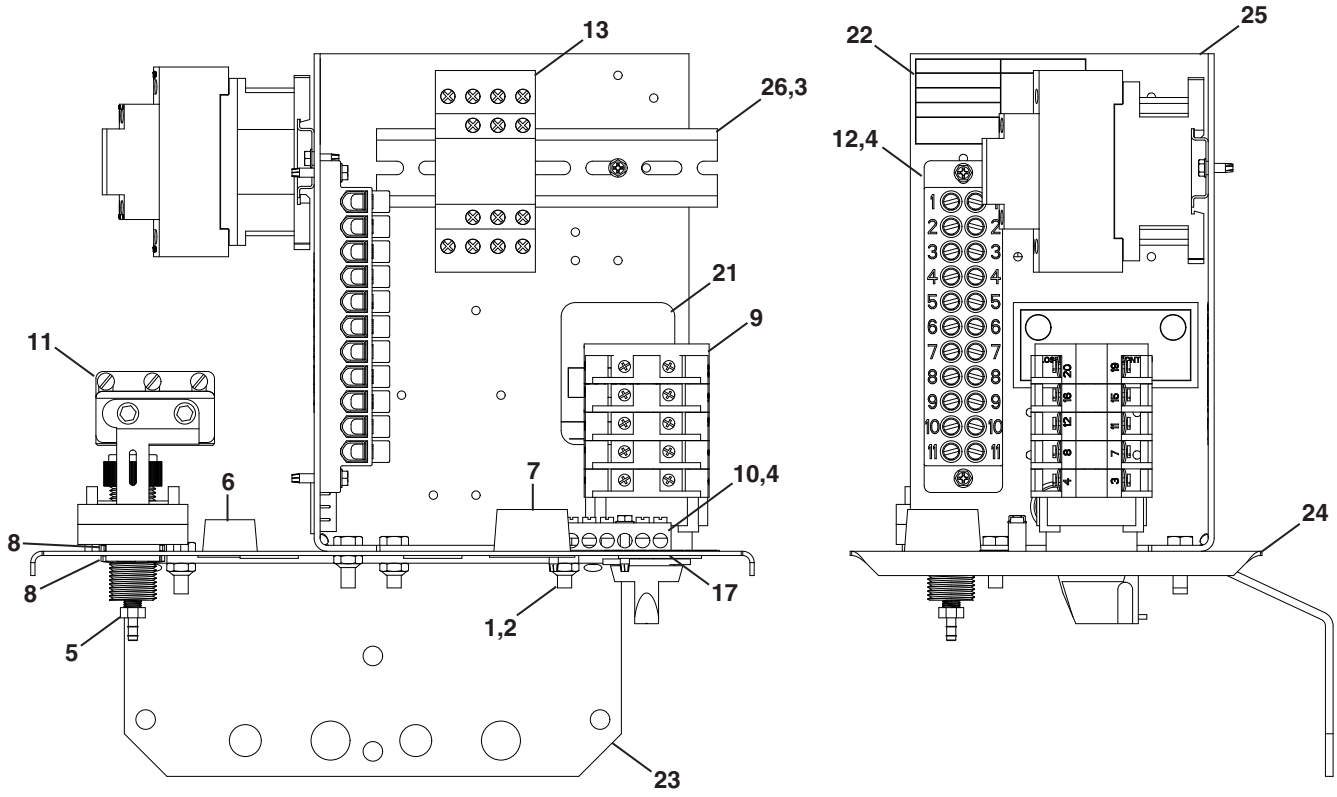
* NOTE: Other decals included on 1 sheet for Reorder purposes.

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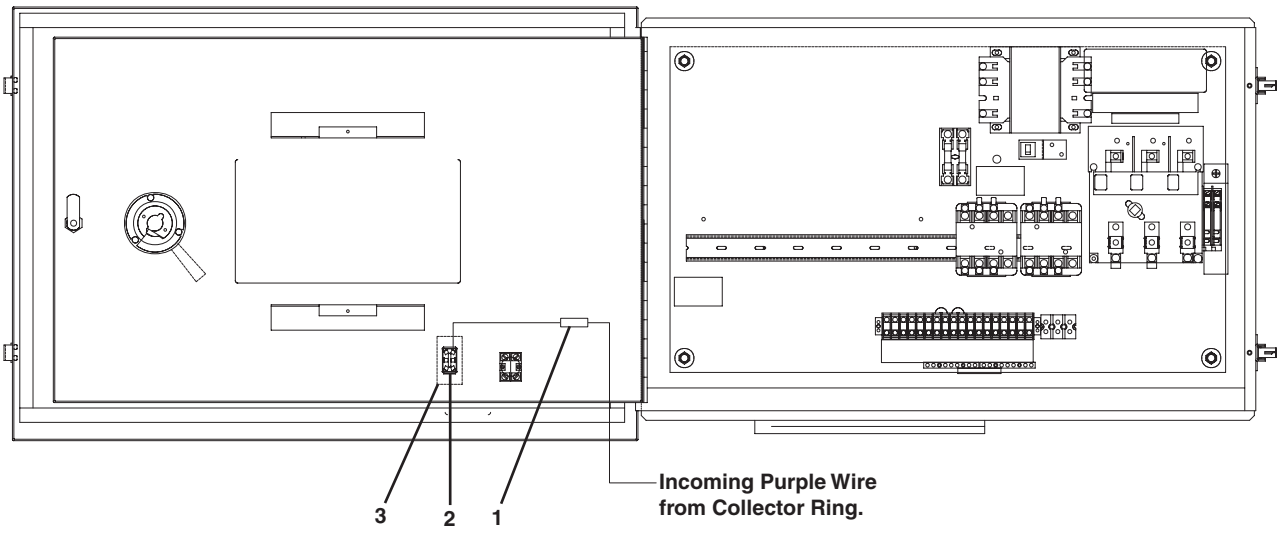
NOTE: Used ONLY with 7.5 HP VSD (5 & 7 HP Booster Pump) (9311021) shown on previous page.



ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	1/4" x 3/4" Cap Screw	0161057
3	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	MFL Connector - Tube to Male Pipe	0232362
6	12 Caplug	0261008
7	15X Caplug	0261010
8	1/2" Romax Nut	0314160
9	Power Disconnect - 10 Pole	0314540
10	Ground Lug - 7 Terminal	0315120
11	Pressure Switch - E1S-H15-Q52 Barks	0315994
12	Terminal Block - 11 Terminal - 600V	03E1899
13	4 Pole Contactor - 40 Amp 120V	03E3542
14	3 Pole Contactor - 25A 120V (Boxed)	03E3785
15	Snap Bushing	0992070

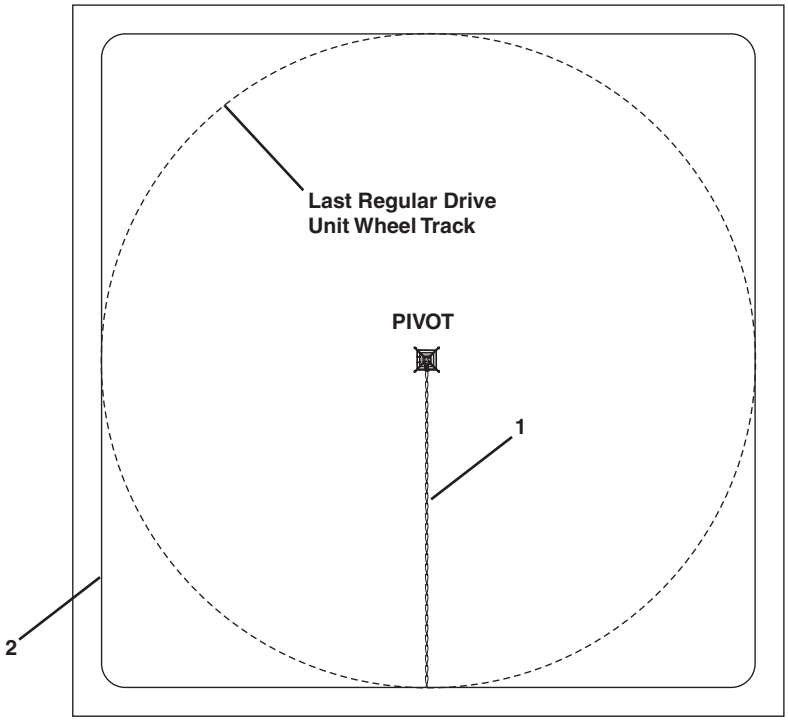
ITEM	DESCRIPTION	PART #
16	Gasket Kit	0992071
17	Decal - Disconnect	0992090
18	Decal - Ground	0992925
19	Decal - 3R Enclosure Decal	0996403
20	Decal - Electrical Schematic	0997150
21	Decal - Electrical Specifications	0997164
22	Decal - Terminal Block Torque Copper Wire	0998450
23	Tower Box Mounting Plate	1702054
24	Bottom Plate	1702391
25	Booster Pump Control Plate	1702392
26	Din Rail Mount Channel - 6.00" Long	9310608
27	Electrical Tower Box Cover - UL	9311146
28	Din Rail Mount Channel - 4.25" Long	9312350
	Booster Pump Assm. - Corner Machine	1811600

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ITEM	DESCRIPTION	PART#
1	Wire Butt Splice - 18 - 22 Ga.	03E1266
2	Rocker Switch, 6 Tab D.P.D.T	03E1722
3	Decal - Service/Run	0980218
	COMPLETE Service/Run Switch Kit w/Wires.	931K619

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Non-Shielded Part #s

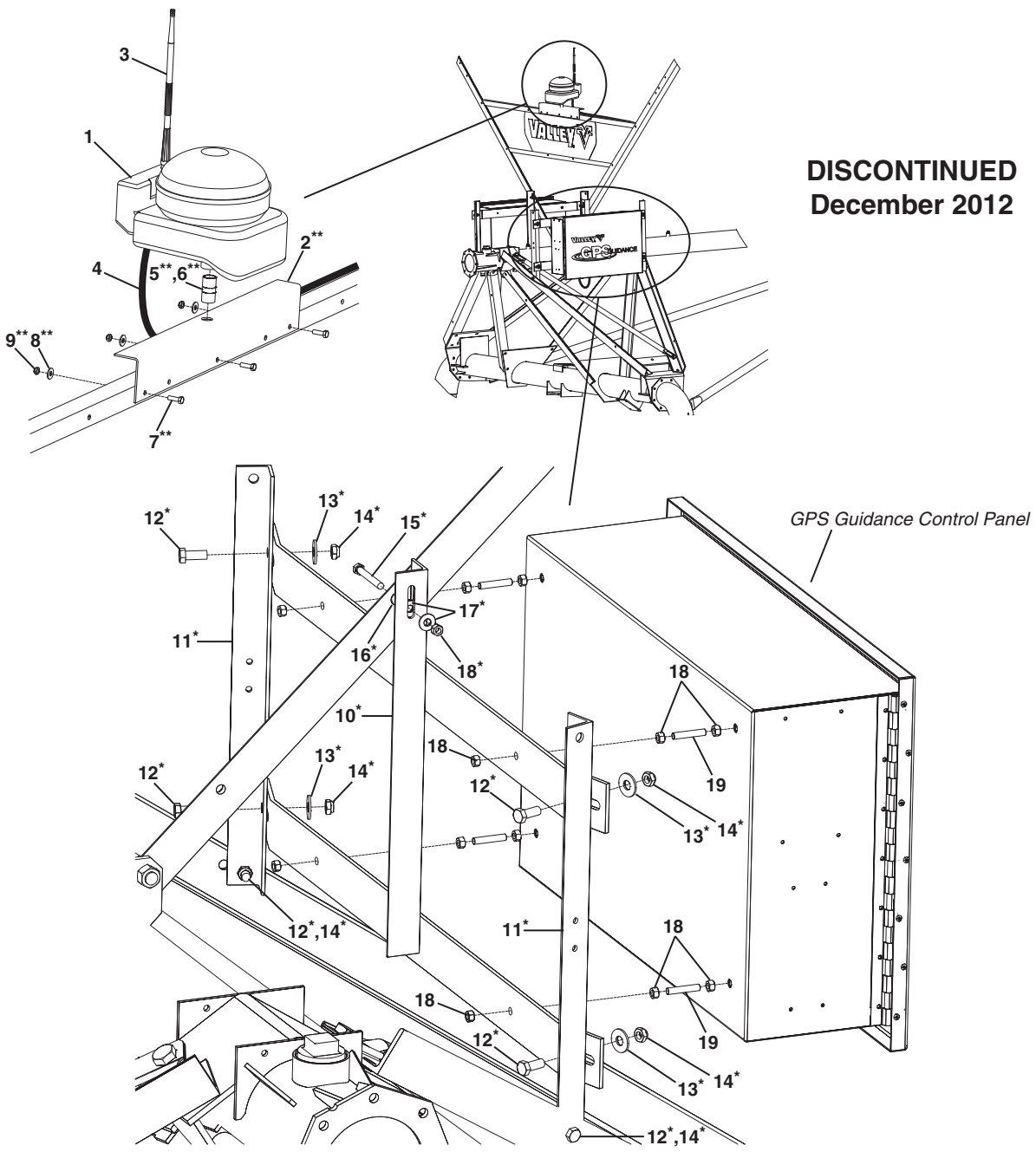
Dist. To LRDU (ft)	Twisted Pair Length (ft)	Twisted Pair Part #	Perimeter Wire Total Length (ft)	Perimeter Wire Spool Length (ft)	Perimeter Wire Spool Part #	Perimeter Wire Spool Qty
0 to 1289	1,330	0314734	9,200	9,200	0314730	1
1290 to 1539	1,550	0314743	11,000	11,000	0314742	1
1540 to 1899	2,000	0314785	13,000	13,000	0314786	1
1900 to 2700	1,330	0314734	18,400	9,200	0314730	2
	1,550	0314743				

Shielded Part #s

Dist. To LRDU (ft)	Twisted Pair Length (ft)	Twisted Pair Part #	Perimeter Wire Total Length (ft)	Perimeter Wire Spool Length (ft)	Perimeter Wire Spool Part #	Perimeter Wire Spool Qty
0 to 1289	1,330	0314965	9,200	9,200	0314964	1
1290 to 1539	1,550	0314967	11,000	11,000	0314966	1
1540 to 1899	2,000	0314969	13,000	13,000	0314968	1
1900 to 2700	1,330	0314965	18,400	9,200	0314964	2
	1,550	0314967				

Heat Shrink Tubing (not shown) - 0991358

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DISCONTINUED
December 2012

ITEM	DESCRIPTION	PART#
1	GPS Guidance Receiver (OBSOLETE)	03E2804
***	GPS Guidance Receiver - SF 3000, 900 MHz	03E3138
2	GPS SDU Bracket	9311745
3	Antenna - 1 Watt Rubber (OBSOLETE Sep 17)	03E2857
4	Serial Cable - Starfire 3000 (OBSOLETE Sep 17)	03E3145
5	3/4" x 2" Nipple	0211014
6	3/4" Romax Lock Nut	0315132
7	5/16" x 1" Cap Screw	0161052
8	5/16" Flat Washer - Wide	0142017
9	5/16" Lock Nut	0133007
10	Swing Tower Control Box Mount Assm.	9360663
11	Control Box Side Support	9360666
12	1/2" x 1-1/4" Cap Screw	0161027
13	1/2" Flat Washer - Wide	0142026

ITEM	DESCRIPTION	PART#
14	1/2" Lock Nut	0133005
15	3/8" x 3" Cap Screw	0161037
16	1.75" x .75 O.D. Spacer	9360169
17	3/8" Flat Washer	0142031
18	3/8" Hex Nut	0131018
19	3/8" x 2" Threaded Rod - Stainless Steel	0994523

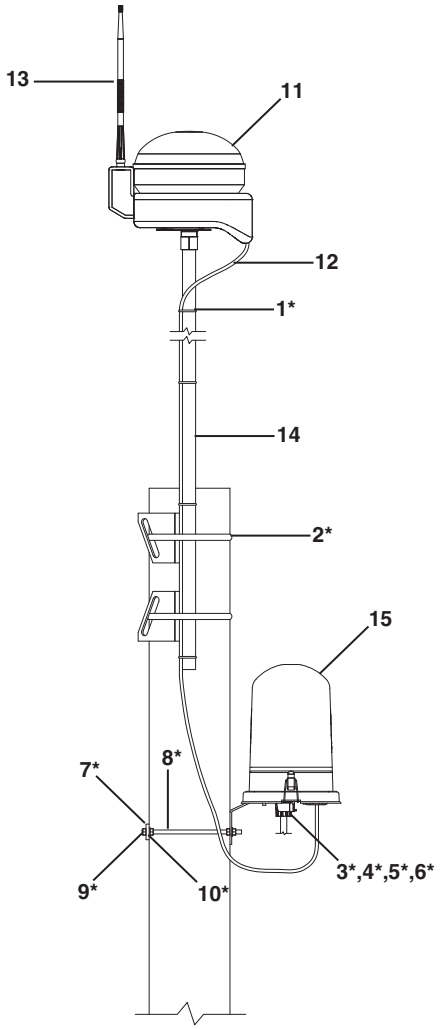
* Corner GPS Guidance Panel Mounting Hdwre. Kit .. KA01396
(includes Harness Conduit - 9311747 (not shown))

** SF 3000 Corner Mounting Hdwre. Kit KA01400
(includes Black Wire Ties - 03E2004 (not shown)) (OBS. Sep 17)

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

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DISCONTINUED
December 2012

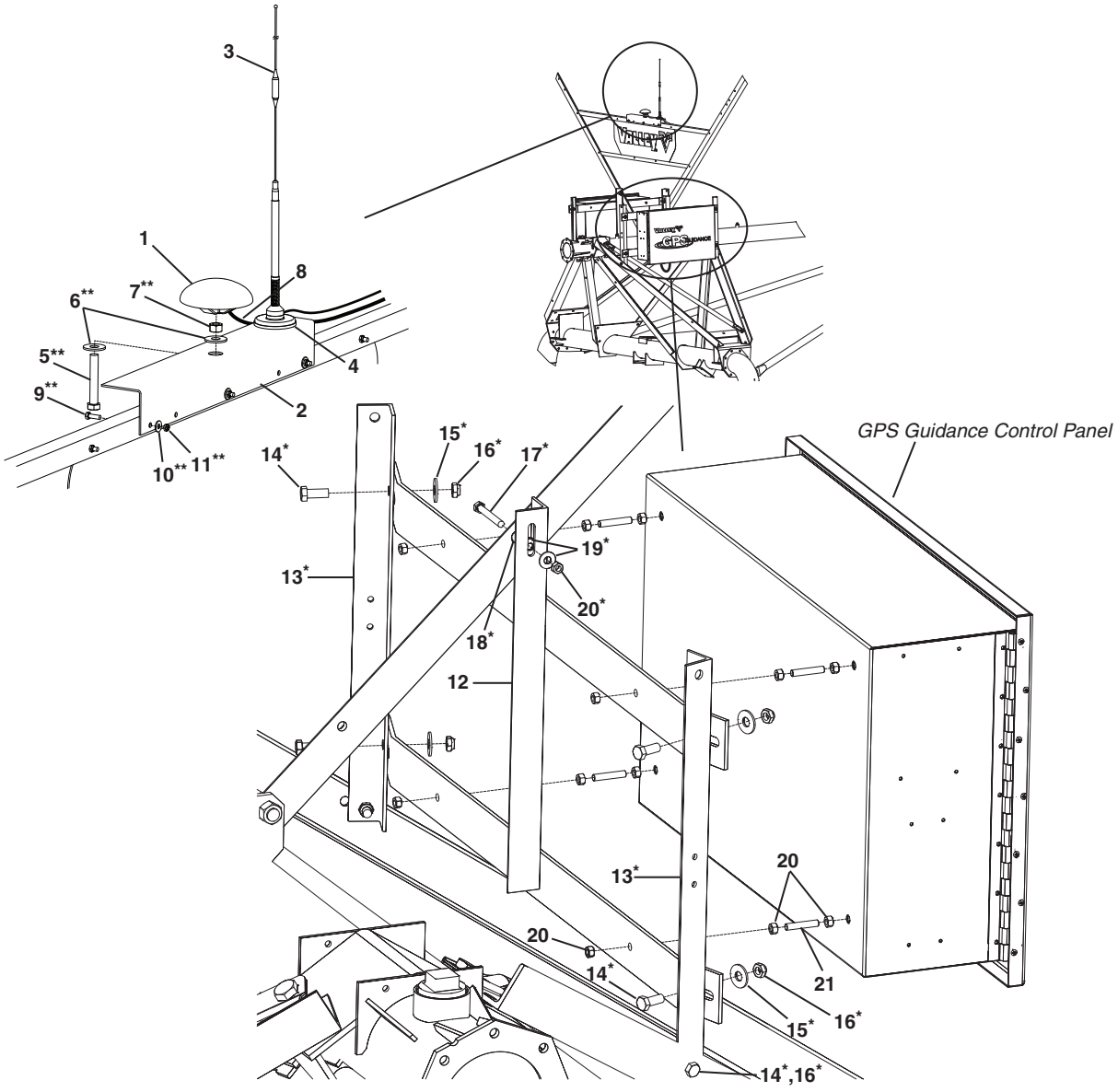


ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
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	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762

* GPS Reference Station Mounting Hardware Kit KA01402
(above kit OBSOLETED Sep 17)

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

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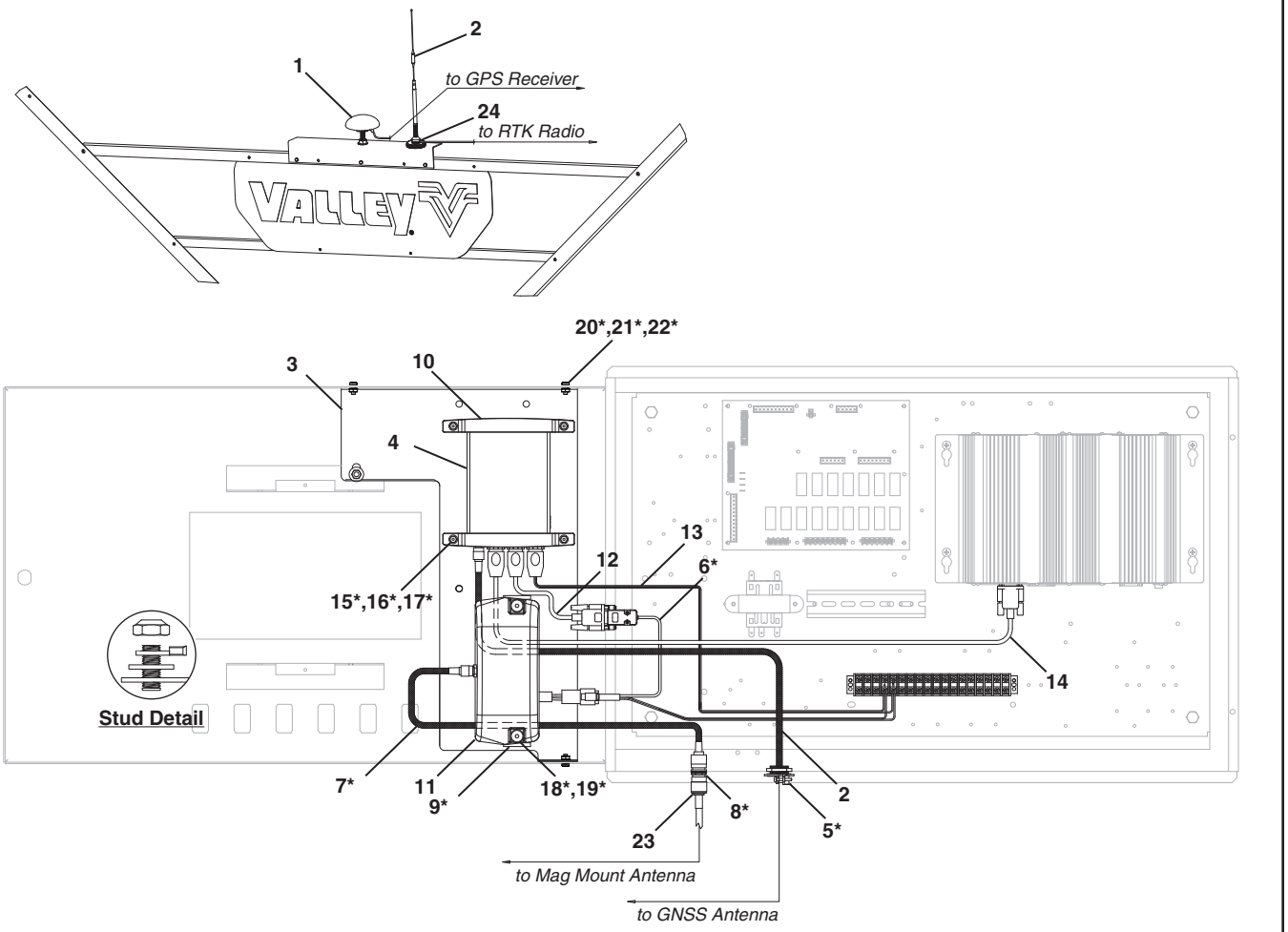
ITEM	DESCRIPTION	PART#
1	GNSS Antenna (OBSOLETE Sep 17)	03E3520
2	GPS SDU Bracket	9311745
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	Magnetic Antenna Mount	03E3521
5	5/8" x 4" Cap Screw - All Thread	0161434
6	5/8" Flat Washer	0142011
7	5/8" Hex Nut	0131009
8	GNSS Antenna Cable	03E3522
9	5/16" x 1" Cap Screw	0161052
10	5/16" Flat Washer - Wide	0142017
11	5/16" Lock Nut	0133007
12	Swing Tower Control Box Mount Assm.	9360663
13	Control Box Side Support	9360666
14	1/2" x 1-1/4" Cap Screw	0161027

ITEM	DESCRIPTION	PART#
15	1/2" Flat Washer - Wide	0142026
16	1/2" Lock Nut	0133005
17	3/8" x 3" Cap Screw	0161037
18	1.75" x .75 O.D. Spacer	9360169
19	3/8" Flat Washer	0142031
20	3/8" Hex Nut	0131018
21	3/8" x 2" Threaded Rod - Stainless Steel	0994523

* Corner GPS Guidance Panel Mounting Hdwre. Kit .. KA01396
(includes Harness Conduit - 9311747 (not shown))

** NC3050 Corner Mounting Hdwre. Kit KA01400
(includes Black Wire Ties - 03E2004 (not shown)) (OBS. Sep 17)
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

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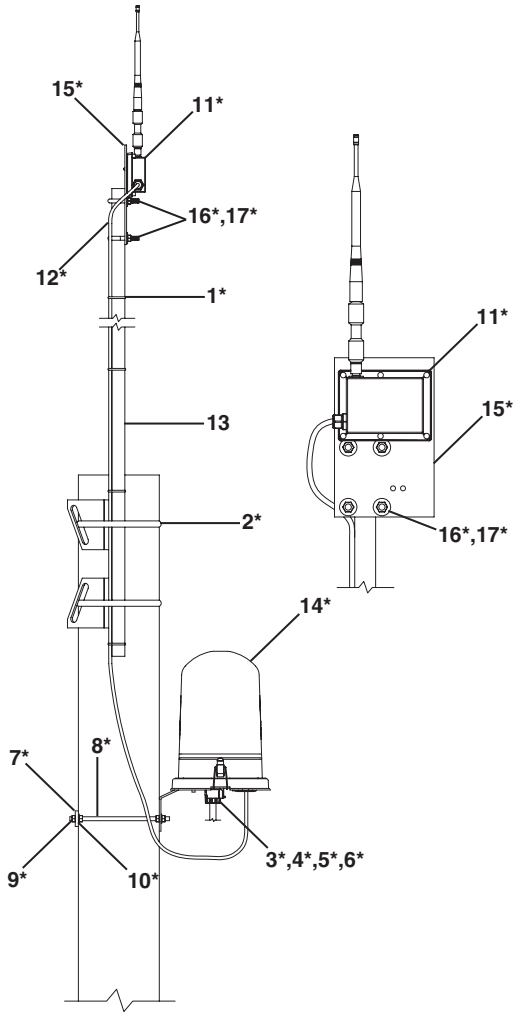
ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
3	Panel Door Bracket	9311874
4	NC3050 Receiver - Programmed (OBS. Sep 17)	03E3526
5	3/4" Romax Cable Connector	03E3163
6	RTK Correction Radio Harness (OBS. Sep 17)	03E3530
7	Antenna Jumper - N Male to SP-TNC Male	03E3539
8	Bulkhead - N-Female	0997247
9	Radio Mounting Bracket (OBSOLETE Sep 17)	9312056
10	NC3050 Mounting Bracket (OBSOLETE Sep 17)	03E3524
11	RTK Radio - 400MHz (OBSOLETE Sep 17)	03E3239
	- 900MHz (OBSOLETE Sep 17)	03E3238
12	9-Pin Male to USB&DB9 Fem.-Y-Cable (OBS. Sep 17)	03E3523
13	9-Pin Female Power Cable (OBSOLETE Sep 17)	03E3529
14	9-Pin Male to RJ45&DB9 Fem.-Y-Cable (OBS. Sep 17)	03E3525
15	#6 x 3/4" Screw - Phillips	0164230
16	#6 Flat Washer	0142074

ITEM	DESCRIPTION	PART#
17	#6 Nut	0134027
18	1/4" x 20mm 2A Flat Screw - Allen Socket	0164234
19	1/4" 2B Hex Nut	0131020
20	#8 x 3/8" Machine Screw 2A	0164110
21	#8 Flat Washer - Stainless Steel	0142084
22	#8 Hex Nut w/External Tooth Lock Washer	0134059
23	Cable - N Male to N Female 15' Foot Long	03E3126
24	Antenna Mount - Magnetic	03E3521

* NC3050 Corner Mounting Hardware Kit KA01400
(cont. from previous page) (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.

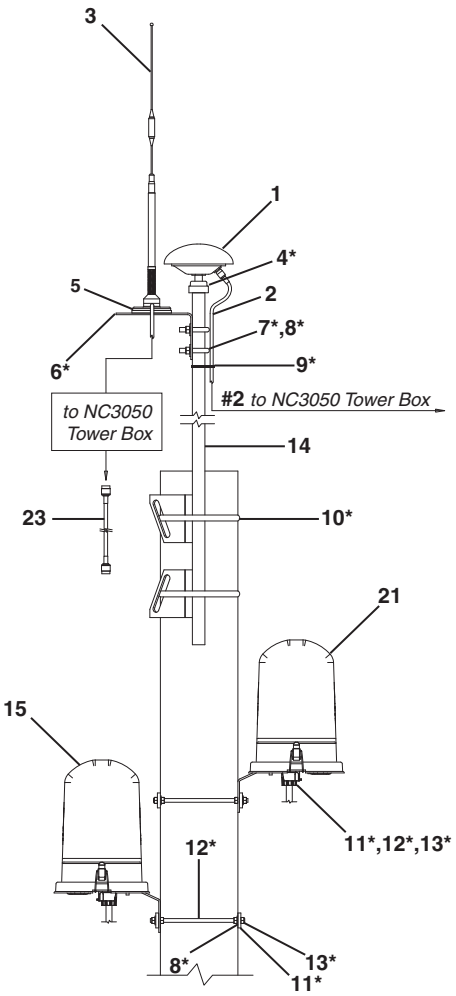
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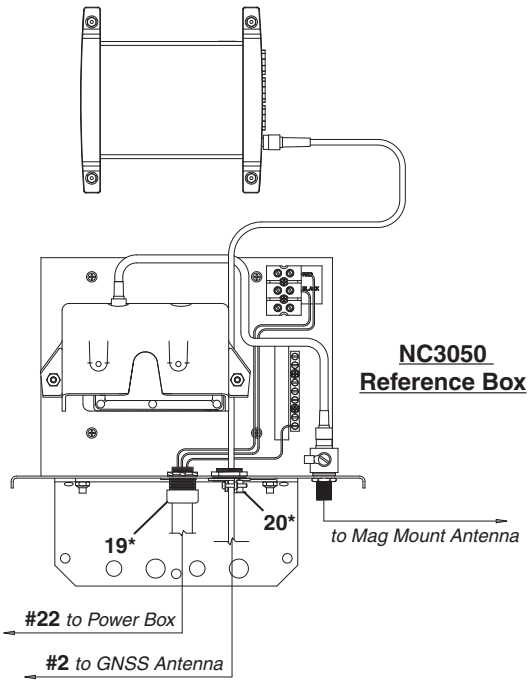


ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
9	5/16" Hex Nut	0131037
10	1/4" Flat Washer - Wide	0142022
11	GPS Guidance Repeater Radio w/Antenna (OBS. Sep 17)	03E2870
12	Radio Cable (OBSOLETE Sep 17)	03E2859
13	Running Light Bracket Assm.	1781544
14	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
15	Mounting Plate	9311129
16	5/16" U-Bolt w/Hex Nuts (2 ea.)	0176064
17	5/16" Flat Washer - Wide	0142017

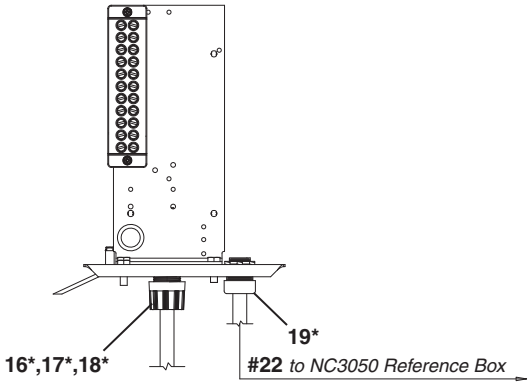
* Repeater Mounting Hardware Kit (OBSOLETE Sep 17) KA01404
(kit also includes (3) Cable Tie - Black 11" (not shown)..... 0314834

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NC3050 Reference Box



Power Supply Box

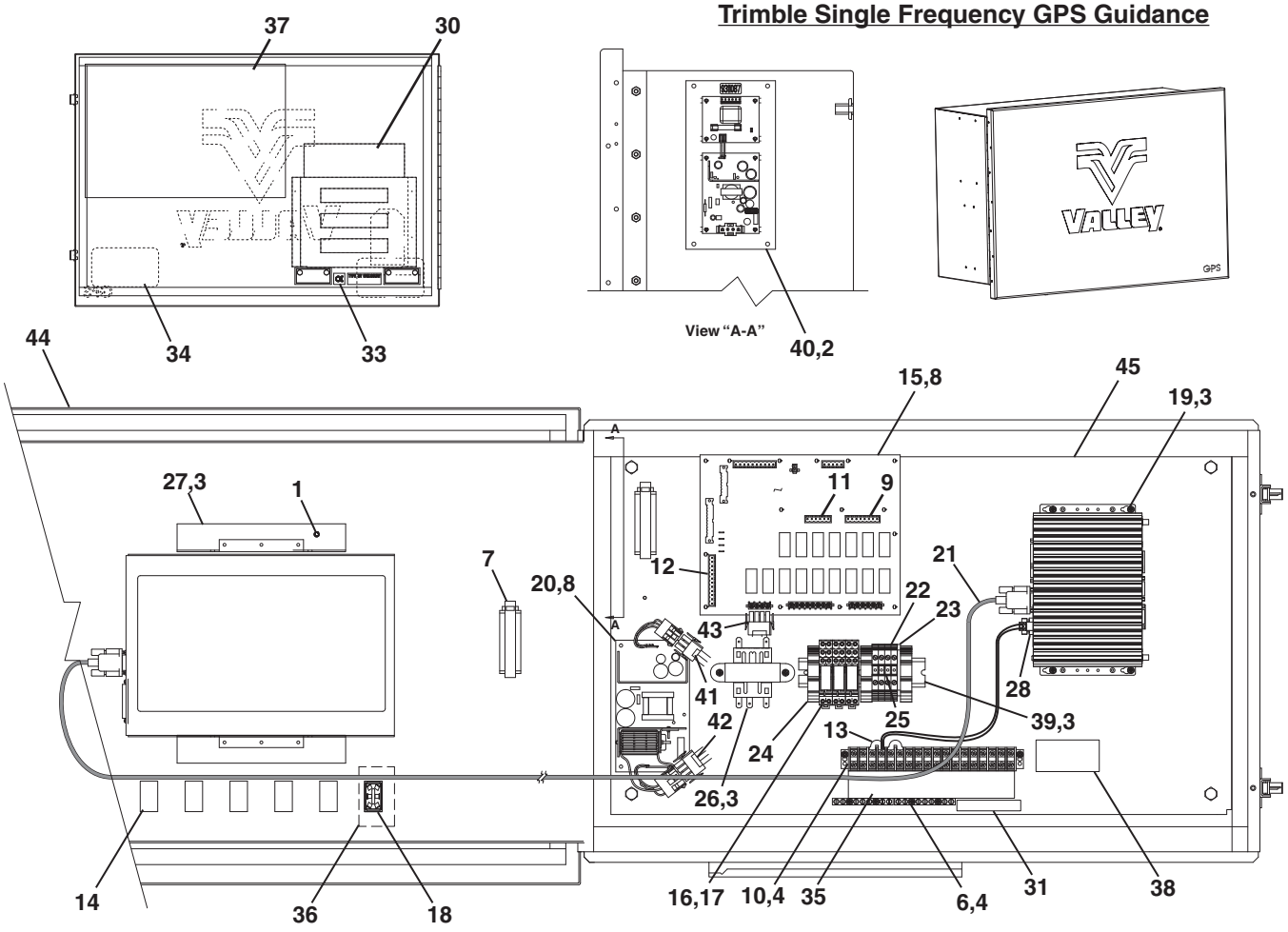
ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	GNSS Antenna Cable	03E3522
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	GPS Antenna Mount	9363922
5	Antenna Mount - Magnetic	03E3521
6	Magnetic Mount Antenna Bracket	9311890
7	5/16" U-Bolt (provided 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 (OBSOLETE Sep 17)	1815121
	- 900 MHz (OBSOLETE Sep 17)	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 Mount. Hdwr. Kit (OBS. Sep 17) ... KA01402
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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Trimble Single Frequency GPS Guidance

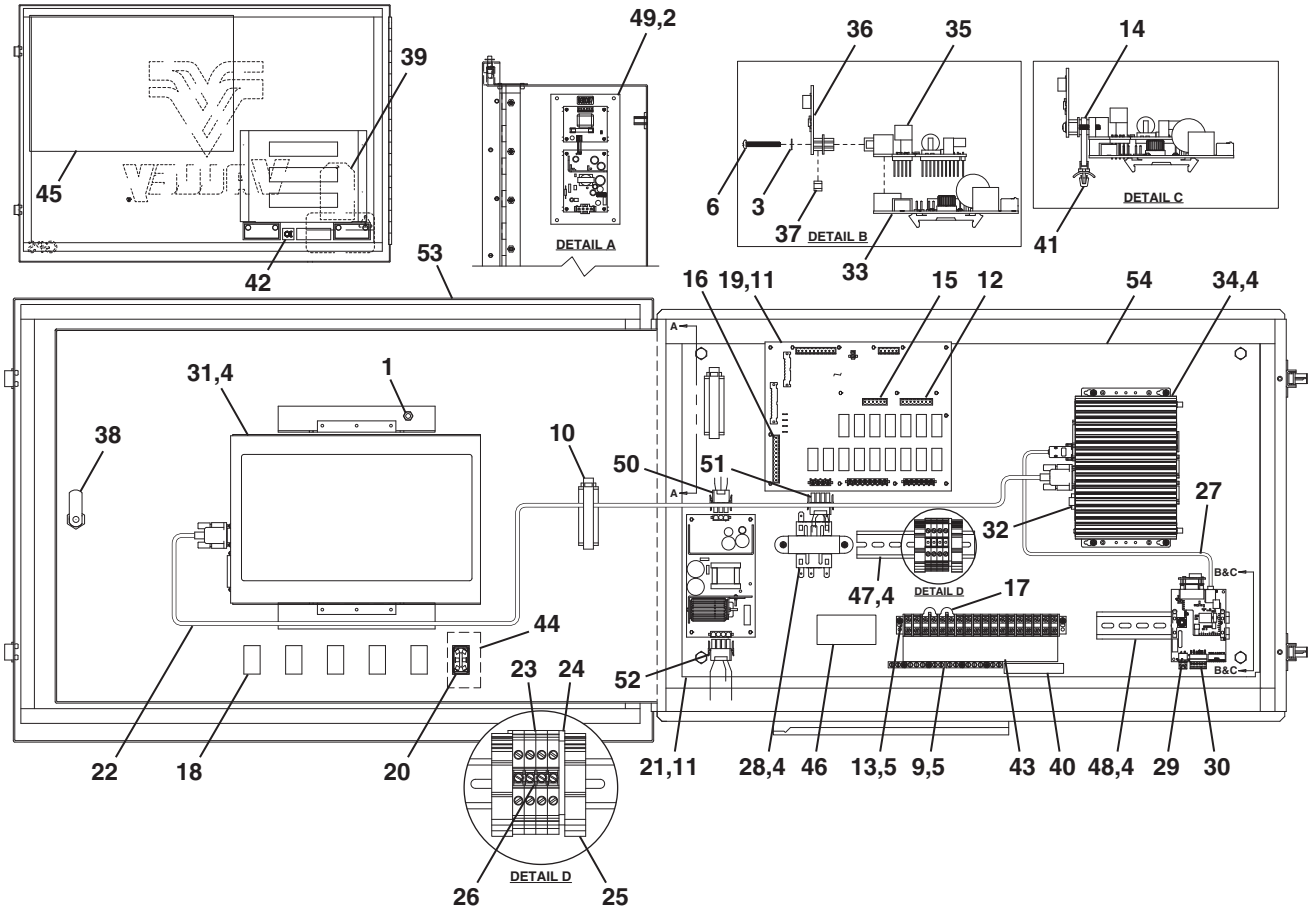


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	Tyton Ty Wrap - Black (not shown)	0314225
6	Ground Lug	0315120
7	Ribbon Cable Clamp	0315840
8	Snap-in Spacer	03E0412
9	Terminal 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
	Single Frequency GPS Guidance Control Panel	9311740

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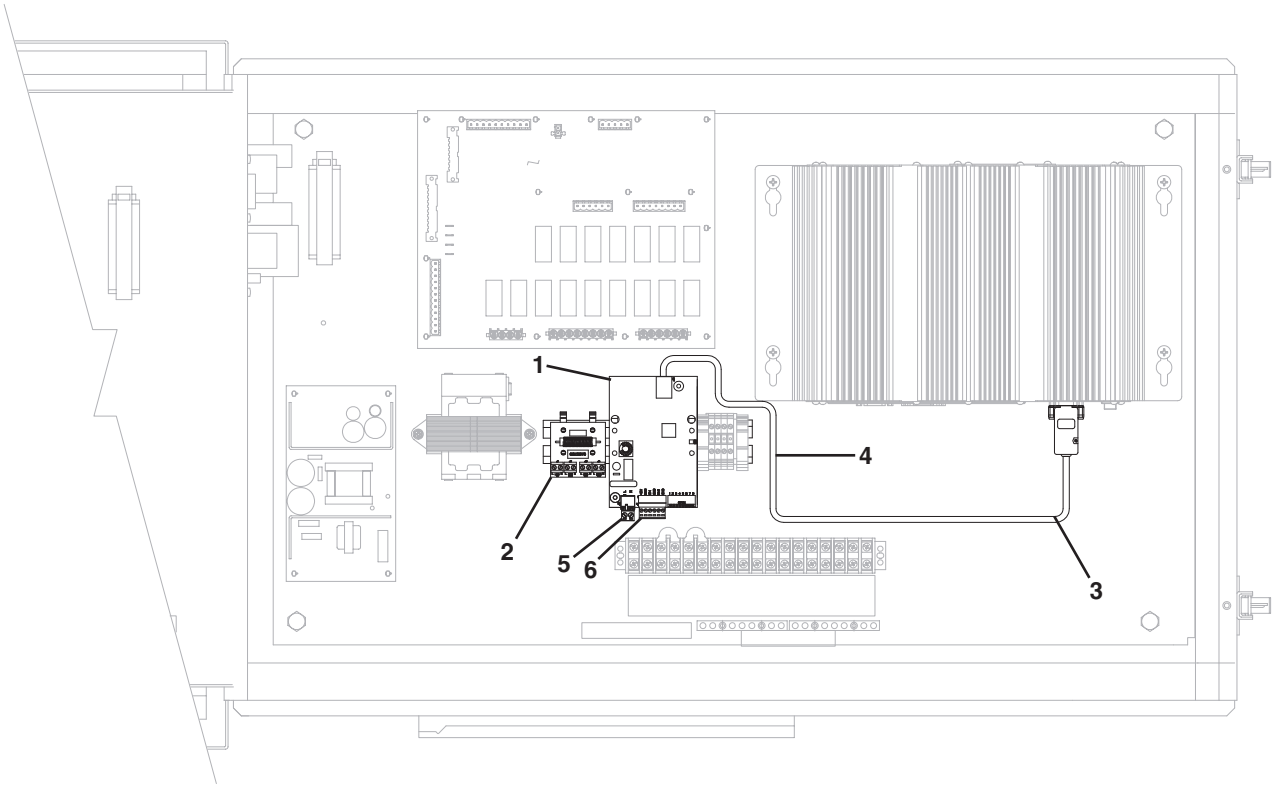
Functional Area	Assembly / Part	Rev# 02-19
Steering & Guidance	RTK GPS Corner Guidance Control Panel	



ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#4 Lock Washer - Internal Tooth	0141037
4	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#4 Machine Screw - Phillips Head Carbon Steel	0164258
7	Scotchlok Connector (not shown)	0314151
8	Tyton Ty Wrap - Black (not shown)	0314225
9	Ground Lug	0315120
10	Ribbon Cable Clamp	0315840
11	Snap-in Spacer	03E0412
12	Terminal Strip - 8 Pole	03E0496
13	Terminal Strip - 18 Pole	03E1561
14	Cable Tie - 5.50" Long Plastic	03E1605
15	Terminal Strip - 6 Pole	03E1611
16	Terminal Strip Plug - 12 Pole	03E1612
17	Jumper	03E1644
18	Dummy Rocker Switch Mount	03E1719
19	Select/Pro Relay Board plus I/O	03E2211
20	Rocker Switch - 2 Position DPST	03E2757
21	Power Supply - 12 V	03E2809
22	Null Modem Cable DB9 Male - DB9 Fem. - 6' Long	03E2814
23	Dinrail Terminal Block	03E2994
24	Terminal Block End Cover	03E2995
25	End Bracket	03E2996
26	Terminal Block Jumper - 4 Pole	03E2999
27	Cable - DB9 Female to RJ11 - 42.00" Long	03E3038
28	Transformer - 75 VA 120 VAC Class 2	03E3098
29	Terminal Strip Plug - 5.08mm 2 Pole	03E3166

ITEM	DESCRIPTION	PART #
30	Terminal Strip Plug - 3.5mm 6 Pole	03E3167
31	GPS Guidance GGA Plus Module	03E3516
32	Terminal Strip Plug - 2 Pole	03E4138
33	PC OPMC5	03E4243
34	GPS Guidance Computer	03E4333
35	PLC RTK GPS Rover	03E4479
36	PLC RTK GPS Inclinometer	03E4480
37	Spacer - Nylon .125 x .250 x .200	03E4485
38	Cabinet Lock	0991370
39	Accident Prevention Tag	0992009
40	Decal - Ground	0992925
41	Wire Tie Holder - Nylon (not shown)	0994494
42	Decal - "CE" European Communities	0994639
43	Decal - Terminal Strip - 18 Pole	0997857
44	Decal - Guidance Override	0998149
45	Decal - Schematic - GPS Guidance Control Panel	0998153
46	Decal - Terminal Block Torque	0998450
47	Din Rail Mount Channel - 6.00" Long	9310608
48	Din Rail Mount Channel - 6.75" Long	9310700
49	Pro2 Backlight Dual Power Supply	9311087
50	Power Harness Assm. - 3 Pin 3 Wire	9311720
51	Power Harness Assm. - 4 Pin 4 Wire	9311721
52	GPS Power Harness Assm. - 4 Pin 3 Wire	9311722
53	GPS Box and Doors Assm.	9311739
54	GPS Guidance Backpanel	9312019
	RTK GPS Corner Guidance Control Panel	9313104
	3/8" Threaded Rod and Nuts Kit	KA01366

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ITEM	DESCRIPTION	PART #
1	PC OPMC2 - 15v Communication - Discontinued May 18	03E3164*
2	PLC Filter	03E2879
3	Cable - DB9 Female to RJ11 - 42" Long	03E3038
4	Din Rail Mount Channel - 6.75" Long	9310700
5	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
6	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167

15V Comm. PLC for Corner GPS Guidance Panel Assm. 9311984
(DISCONTINUED May 2018) (see next page)

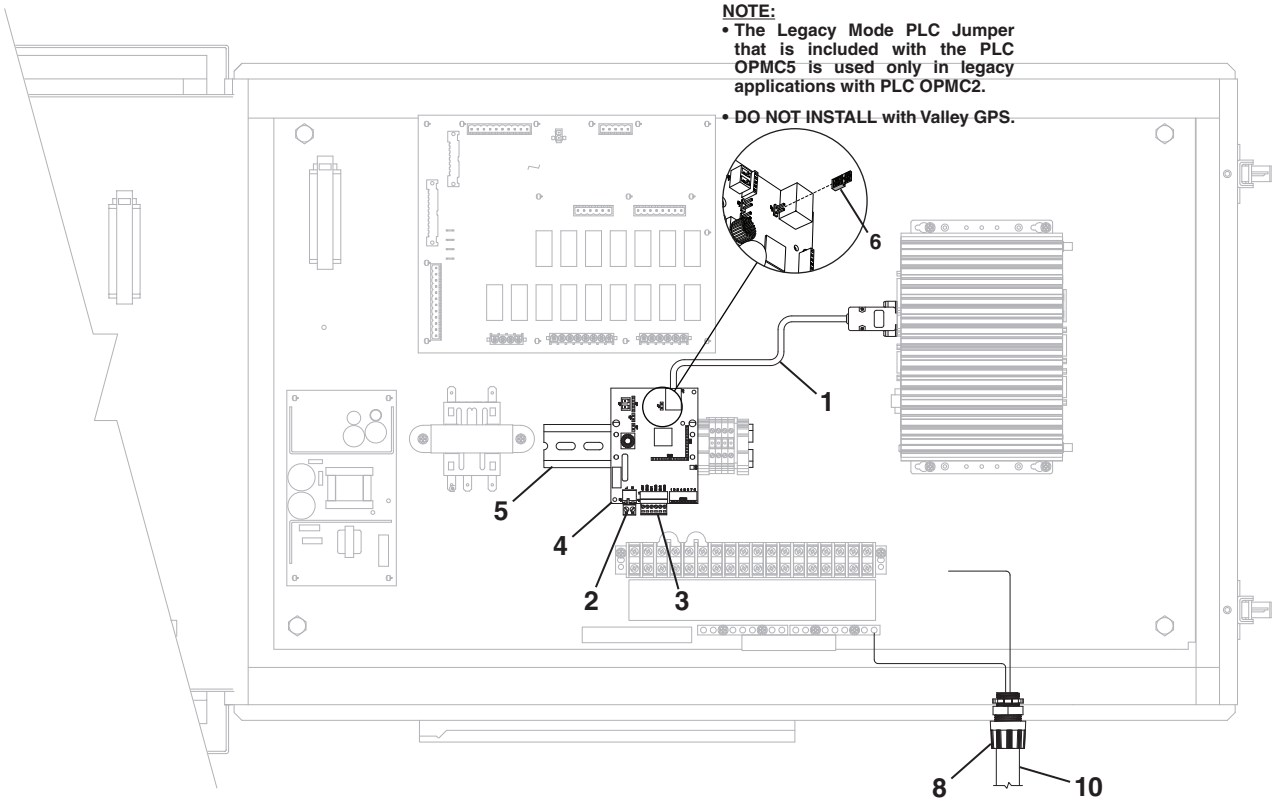
Also included with 9311984 (not pictured above):

- Screwdriver - 2.0mm-2.5mm Blade (1 ea.) 0178009
- Screwdriver - 1.5mm-2.0mm Blade (1 ea.) 0178010
- Scotchlock Connector (2 ea.) 0314151
- Wire Tie Holder (2 ea.) 03E0046
- Cable Tie - 5.5" Long (5 ea.) 03E1605
- Field Install - PLC Corner GPS Guidance Panel (1 ea.) 9311985

* NOTE: See Valley GPS in this section.

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Power Line Carrier - OPMC5 for Corner GPS Guidance Control Panel



ITEM	DESCRIPTION	PART #
1	Cable - DB9 Female to RJ11 - 42" Long	03E3038
2	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
3	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167
4	PC OPMC5 (includes Dinrail Clip 03E3022)	03E4243
5	Din Rail Mount Channel - 6.75" Long	9310700
6	Shunt - 2 Position	03E4329 *
7	Decal - Dip Switch Settings (not shown)	0998384 *
8	Strain Relief Hub	0314119 **
9	Scotchlok Connector (not shown)	0314151 **
10	Cable - 20'-0" - 4 Cond. 14 Ga.	1810286 **

PLC - OPMC5 for Corner GPS Guidance Panel Assm..... 9312984

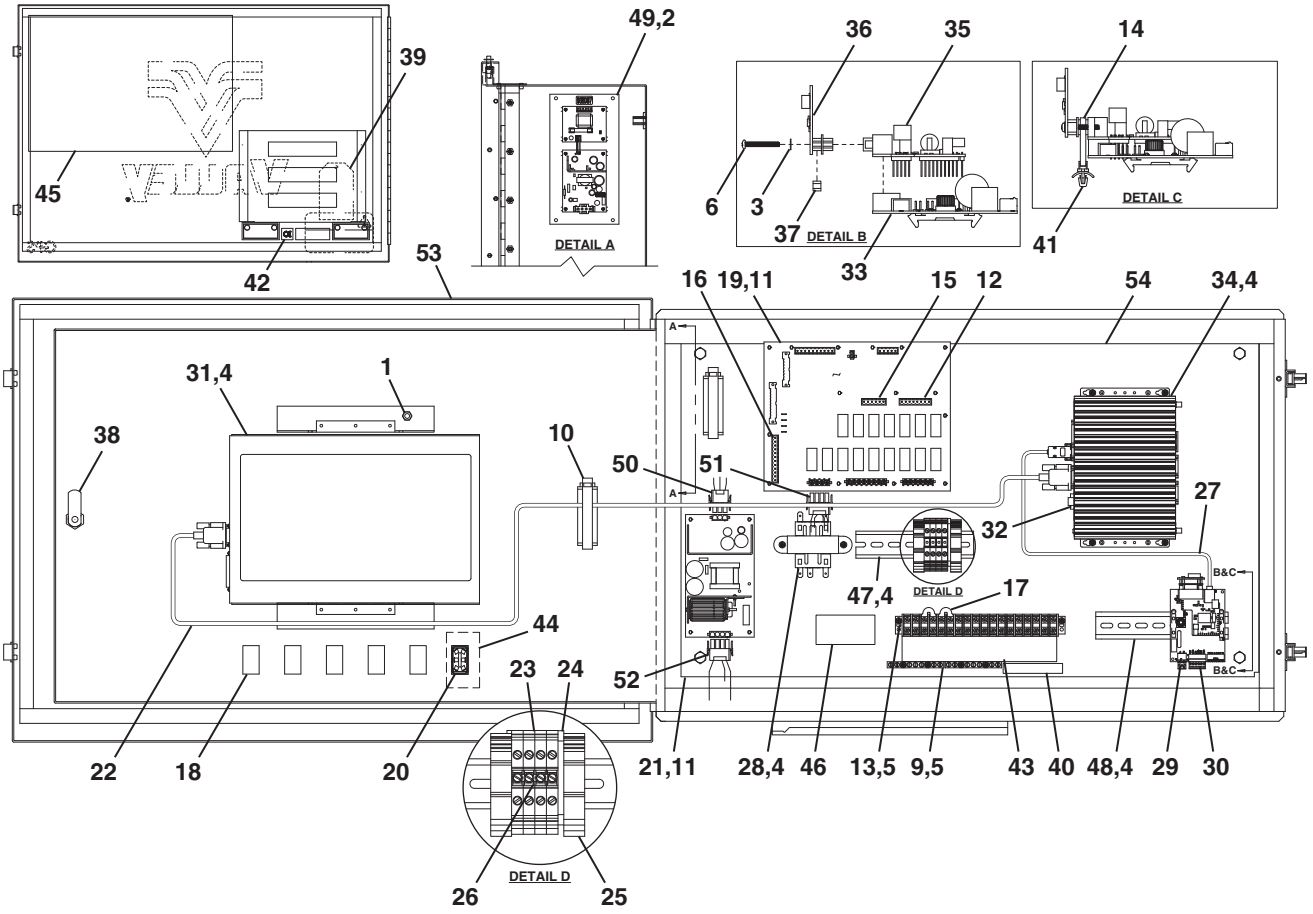
* PLC Jumper Kit.....KA02668
(Item 7 - Decal should be placed over existing Dip Switch Decal when Item 6 - Shunt is used)

** GPS Guidance PLC Kit.....KA02676

Also included with 9312984 (not pictured above):

- Screwdriver - 2.0mm-2.5mm Blade (1 ea.) 0178009
- Scotchlock Connector (2 ea.) 0314151
- Ty Wrap - Black..... 0314225
- Wire Tie Holder (2 ea.)..... 03E0046
- Cable Tie - 5.5" Long (5 ea.) 03E1605
- Field Install - PC OPMC5 Corner GPS Giudance Panel..... 9312985
- Field Install - OPMC5 Dip Switch Settings..... 9312993

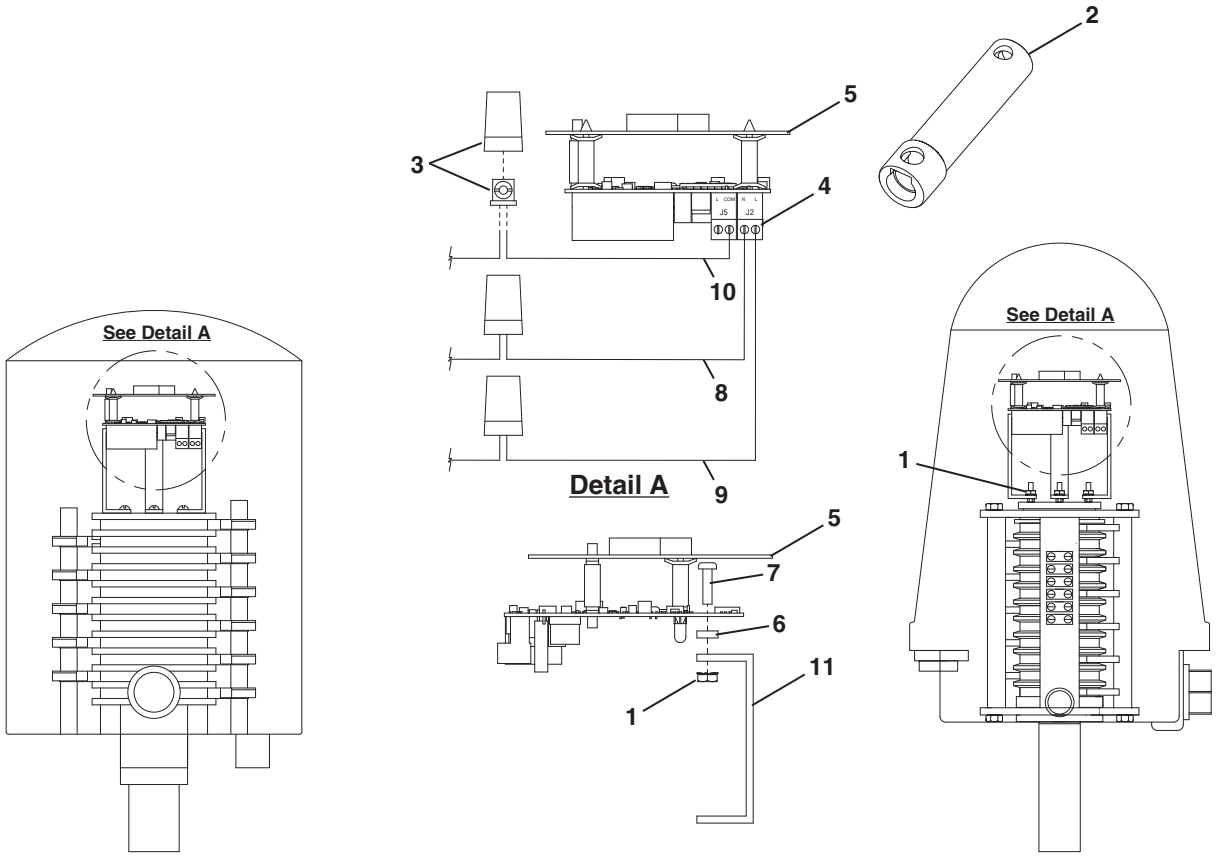
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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#4 Lock Washer - Internal Tooth	0141037
4	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#4 Machine Screw - Phillips Head Carbon Steel	0164258
7	Scotchlok Connector (not shown)	0314151
8	Tyton Ty Wrap - Black (not shown)	0314225
9	Ground Lug	0315120
10	Ribbon Cable Clamp	0315840
11	Snap-in Spacer	03E0412
12	Terminal Strip - 8 Pole	03E0496
13	Terminal Strip - 18 Pole	03E1561
14	Cable Tie - 5.50" Long Plastic	03E1605
15	Terminal Strip - 6 Pole	03E1611
16	Terminal Strip Plug - 12 Pole	03E1612
17	Jumper	03E1644
18	Dummy Rocker Switch Mount	03E1719
19	Select/Pro Relay Board plus I/O	03E2211
20	Rocker Switch - 2 Position DPST	03E2757
21	Power Supply - 12 V	03E2809
22	Null Modem Cable DB9 Male - DB9 Fem. - 6' Long	03E2814
23	Dinrail Terminal Block	03E2994
24	Terminal Block End Cover	03E2995
25	End Bracket	03E2996
26	Terminal Block Jumper - 4 Pole	03E2999
27	Cable - DB9 Female to RJ11 - 42.00" Long	03E3038
28	Transformer - 75 VA 120 VAC Class 2	03E3098
29	Terminal Strip Plug - 5.08mm 2 Pole	03E3166

ITEM	DESCRIPTION	PART #
30	Terminal Strip Plug - 3.5mm 6 Pole	03E3167
31	GPS Guidance GGA Plus Module	03E3516
32	Terminal Strip Plug - 2 Pole	03E4138
33	PC OPMC5	03E4243
34	GPS Guidance Computer	03E4333
35	PLC RTK GPS Rover	03E4479
36	PLC RTK GPS Inclinometer	03E4480
37	Spacer - Nylon .125 x .250 x .200	03E4485
38	Cabinet Lock	0991370
39	Accident Prevention Tag	0992009
40	Decal - Ground	0992925
41	Wire Tie Holder - Nylon (not shown)	0994494
42	Decal - "CE" European Communities	0994639
43	Decal - Terminal Strip - 18 Pole	0997857
44	Decal - Guidance Override	0998149
45	Decal - Schematic - GPS Guidance Control Panel	0998153
46	Decal - Terminal Block Torque	0998450
47	Din Rail Mount Channel - 6.00" Long	9310608
48	Din Rail Mount Channel - 6.75" Long	9310700
49	Pro2 Backlight Dual Power Supply	9311087
50	Power Harness Assm. - 3 Pin 3 Wire	9311720
51	Power Harness Assm. - 4 Pin 4 Wire	9311721
52	GPS Power Harness Assm. - 4 Pin 3 Wire	9311722
53	GPS Box and Doors Assm	9311739
54	GPS Guidance Backpanel	9312019
	RTK GPS Corner Guidance Control Panel	9313104
	3/8" Threaded Rod and Nuts Kit	KA01366

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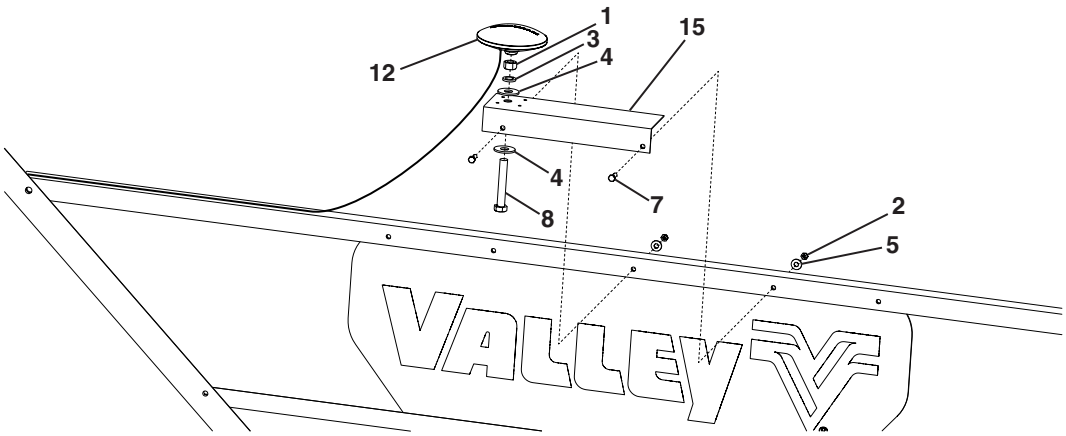


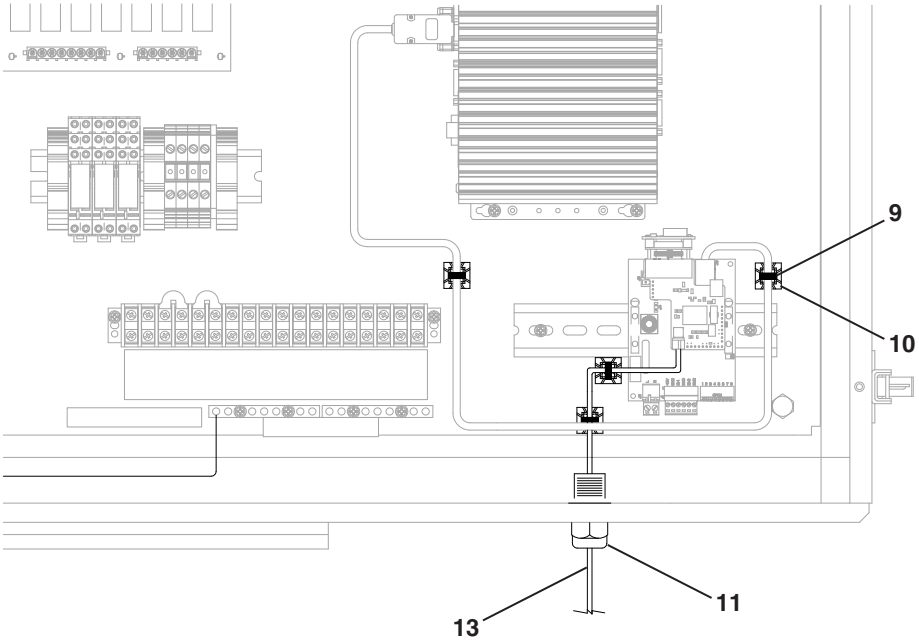
Aeromotive Collector Ring

Insul-8 Collector Ring

ITEM	DESCRIPTION	PART #
1	#8 Hex Nut w/External Tooth Lock Washer	0134059
2	Set Screw Holder	0178028
3	Scotchlok w/ Set Screw	0315545
4	Terminal Strip Plug - 5.08mm 2 Pole	03E3166
5	PLC RTK GPS Base Module	03E4481
6	#8 Round Spacer - Nylon 1/8"	03E4483
7	#8-32 x 5/8"Screw - Nylon Phillips Head	03E4484
8	Wire - White 14ga 14.00" Long	1810791
9	Wire - Yellow w/Red 14ga 14.00" Long	1811244
10	Wire - Pink 14ga 14.00" Long	1815472
11	Resolver Mount Bracket	9361174
	GPS RTK Collector Ring Parts Kit	KA02760

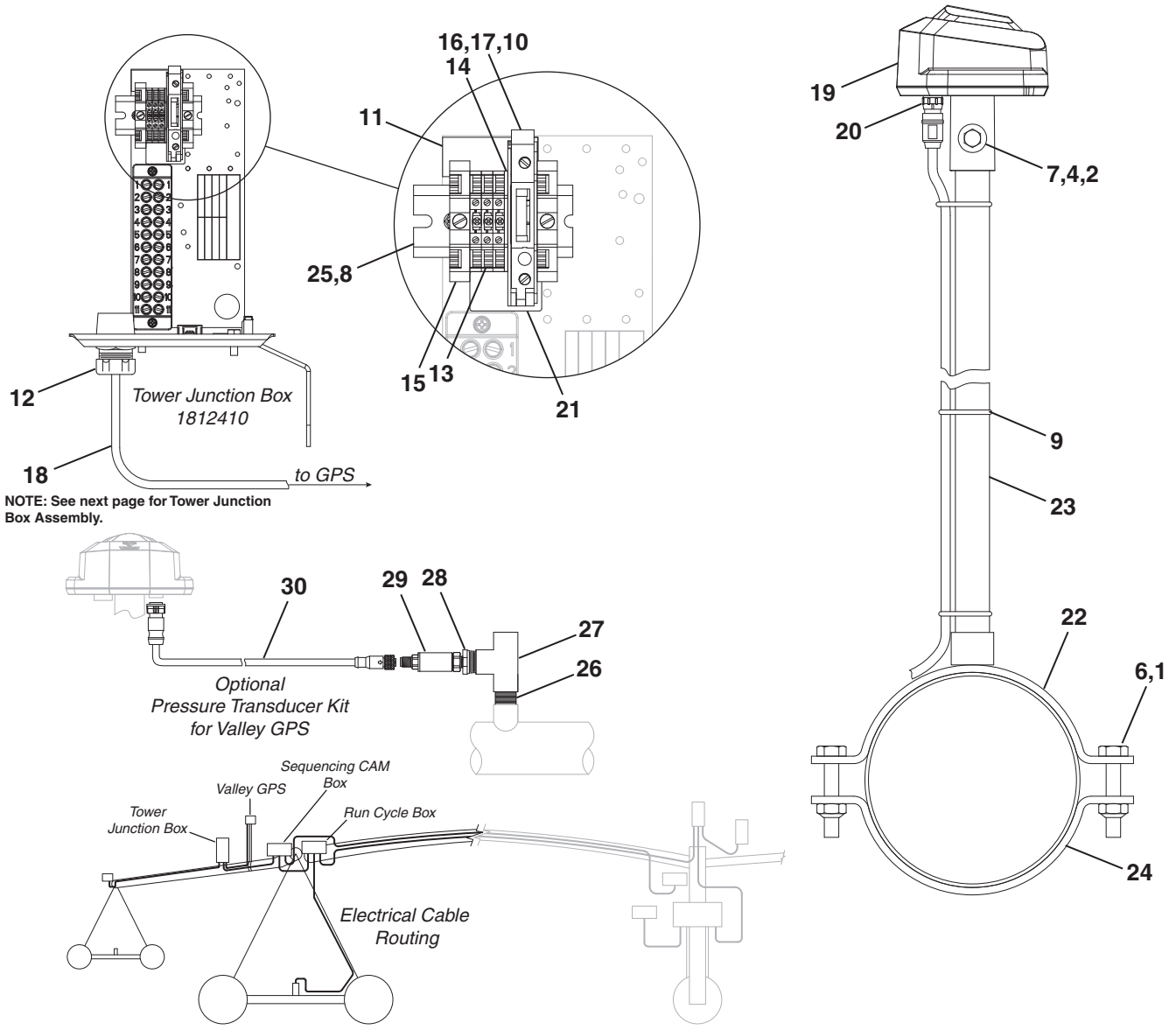
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ITEM	DESCRIPTION	PART #
1	5/8" Hex Nut	0131009
2	5/16" Lock Nut	0133007
3	5/8" Lock Washer	0141004
4	5/8" Flat Washer - Wide	0142011
5	5/16" Flat Washer - Wide	0142017
6	Reducer Washer - 1.00 x .500 (not shown)	0143046
7	5/16" x 1" Cap Screw	0161052
8	5/8" x 4" Cap Screw	0161434
9	Wire Tie Harness	0314225
10	Self-Adhesive Wire Tie Holder	03E0046
11	Cord Connector - 1/2" Hub	03E2132
12	GPS / Beidou / Glonass External Antenna	03E4532
13	Cable - SMA to TNC, CNT-240 18' Long	03E4524
14	Self-Bonding Silicone Tape (not shown)	0996553
15	GPS SDU Single Bracket	9313077
	Valley RTK GPS Antenna Parts	KA02759

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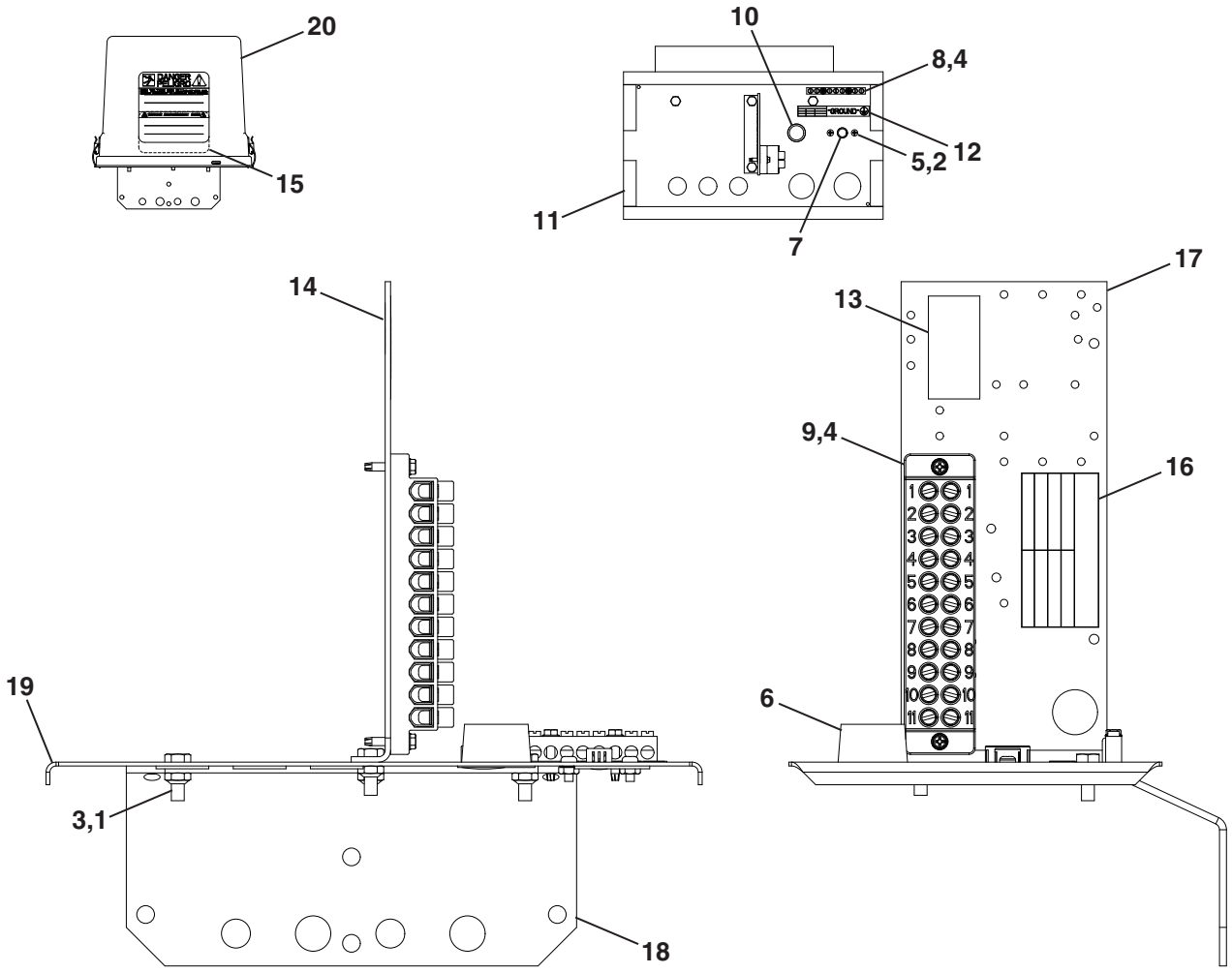
NOTE: See next page for Tower Junction Box Assembly.

ITEM	DESCRIPTION	PART #	
1	1/2" Lock Nut	0133005	1
2	5/16" Lock Nut	0133007	1
3	#8 Hex Nut w/Ext. Tooth L.W. (if needed for tower box)	0134059	**
4	5/16" Flat Washer - Wide	0142017	1
5	Reducer Washer - 1.00-.50	0143046	**
6	1/2" x 2-1/2" Cap Screw	0161023	1
	1/2" x 3" Cap Screw - Full Thread (for 5" Mount)	0161381	1
	1/2" x 3" Cap Screw (for 8-5/8" Mount)	0161136	1
7	5/16" x 2" Cap Screw	0161079	1
8	#8 x 1/2" Self-Tap. Screw - P.H. (if needed for tower box)	0161355	**
9	Tyton Wrap - Black	0314225	**
10	Fuse - 1.0 Amp 250V	03E2081	**
11	Decal - 1.0 Amp Fuse	03E2082	**
12	Cord Connector - 1/2" Hub	03E2132	**
13	Terminal Block - Din Rail Mount	03E2994	**
14	Terminal Block End Cover	03E2995	**
15	Din Rail End Stop	03E2996	**
16	Fuse Block - Din Rail Mount	03E2997	**
17	Fuse Block End Cover	03E2998	**
18	PLCG 5 Conductor Cable	03E4245	**
19	Valley GPS	03E4246	**
20	Valley GPS Connector Cap	03E4327	

ITEM	DESCRIPTION	PART #	
21	Decal - Valley GPS Terminal	0980287	**
22	Half Clamp w/Coupler Assm. - 5"	9364854	1
	- 6" & 6-5/8"	1704299	1
	- 8-5/8"	9364855	1
23	Valley GPS Mounting Pipe	1704300	1
24	Half Clamp - Two Bolt - 5"	9361241	1
	- 6" & 6-5/8"	1720290	1
	- 8-5/8"	9361242	1
25	Din Rail Mount Channel - 2.50"	9311988	**
26	3/4" x 2" Nipple - Galvanized	0211014	*
27	3/4" x 3/4" x 3/4" Tee Fitting - Galvanized	0242002	*
28	3/4" x 1/4" Reducer - Plastic	0244046	*
29	Pressure Transducer - 0-200 psis	03E3779	*
30	2 Conductor Cable - PLCG	03E4244	*

1	Valley GPS Mounting Hardware Kit - 5"	KA02725
	(Includes Clamp Spacer (2) 1701025 - 6"	KA02726
	- 6-5/8"	KA02666
	- 8-5/8"	KA02727
**	Valley GPS Electrical Hardware Kit	KA02667
*	PSI Transducer for Valley GPS Kit	KA02669

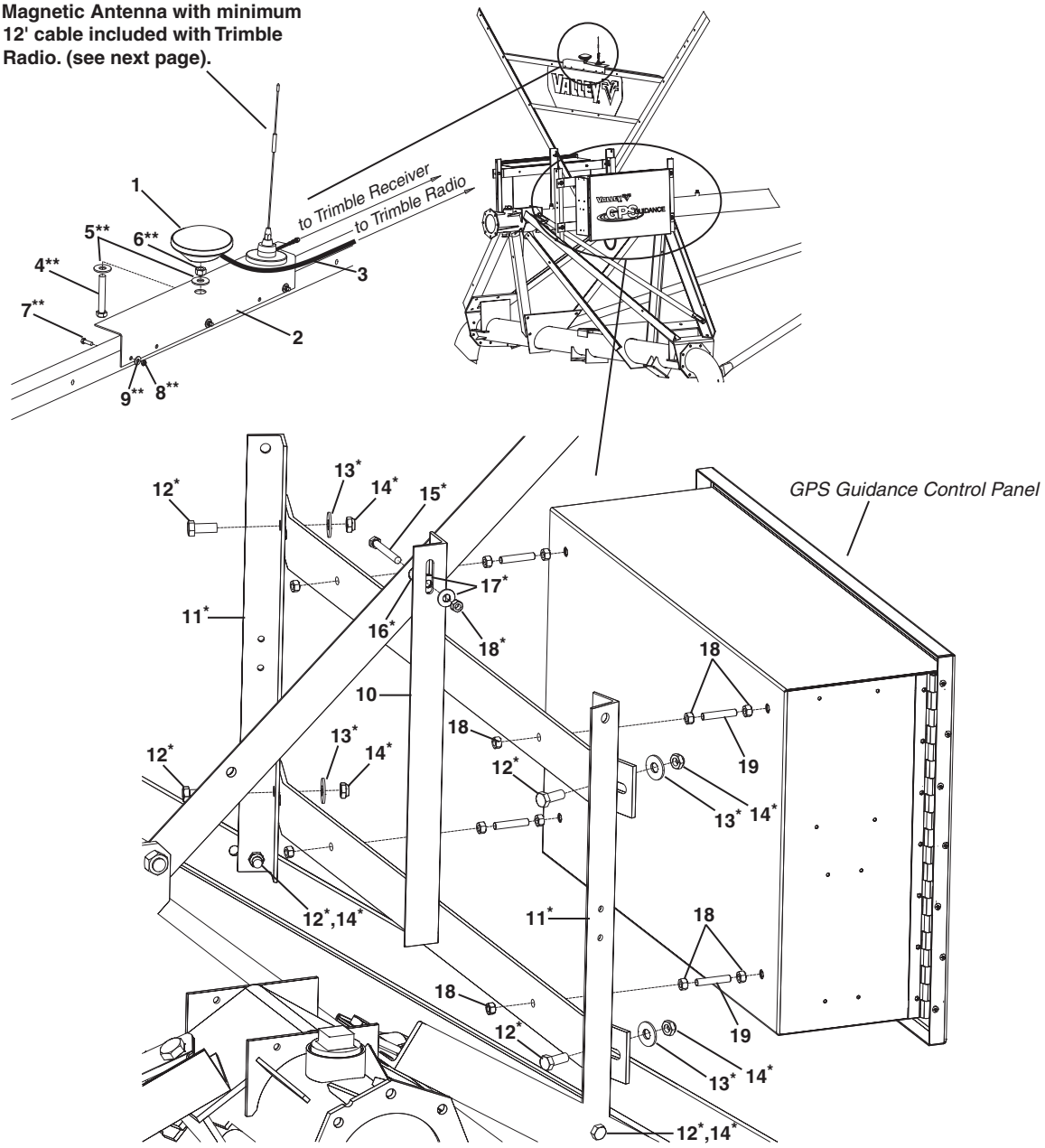
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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	1/4" x 3/4" Cap Screw	0161057
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	#8 x 3/8" Round Head Screw - Phillips Head	0164193
6	15x Caplug	0261010
7	Snap Button Hole Plug - 1/2" Dia. Hole	0314749
8	Ground Lug - 7 Terminal	0315120
9	Terminal Block - 11 Terminal 600V	03E1899
10	Snap Button Hole Plug - 7/8" Dia. Hole	03E2166
11	Gasket Kit	0992071
12	Decal - Ground	0992925
13	Decal - UL Power Supply	0994149
14	Decal - 3R Enclosure	0996403
15	Decal - Electrical Schematic	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	Electrical Tower Box Cover - UL	9311146
	Tower Junction Box Assm.	1812410

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NOTE: Magnetic Antenna with minimum 12' cable included with Trimble Radio. (see next page).



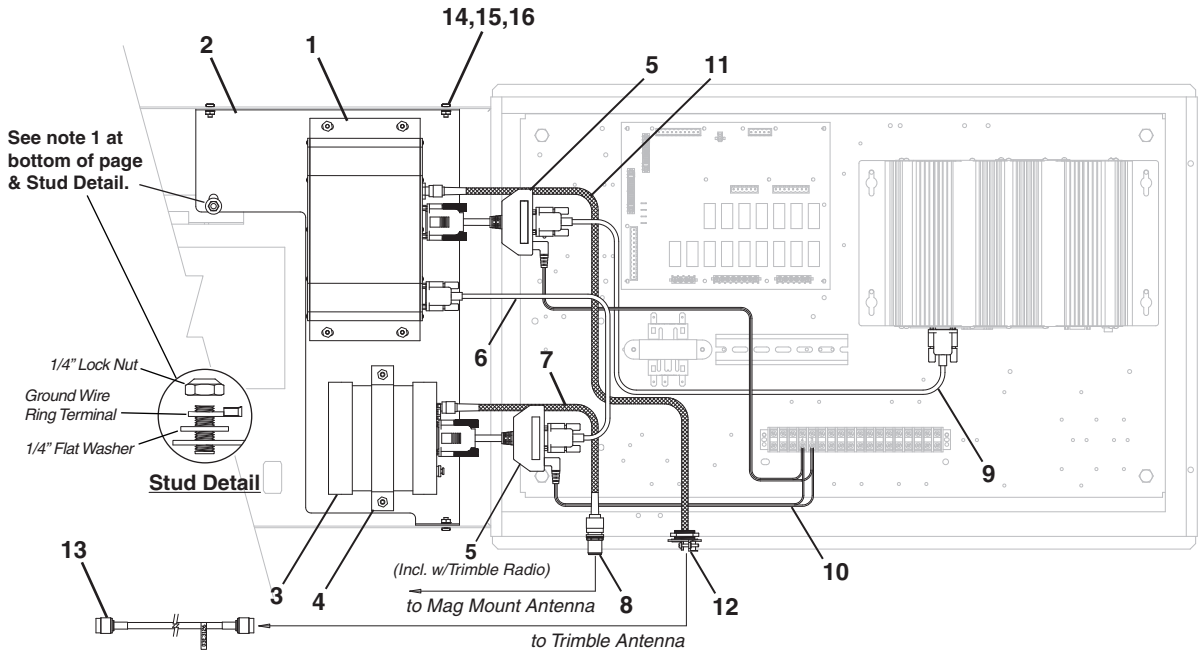
ITEM	DESCRIPTION	PART#
1	Trimble Antenna	03E3113
2	GPS SDU Bracket	9311745
3	Coaxial Cable - 28'	03E3114
4	5/8" x 4" Cap Screw - All Thread	0161434
5	5/8" Flat Washer	0142011
6	5/8" Hex Nut	0131009
7	5/16" x 1" Cap Screw	0161052
8	5/16" Flat Washer - Wide	0142017
9	5/16" Lock Nut	0133007
10	Swing Tower Control Box Mount Assm.	9360663
11	Control Box Side Support	9360666
12	1/2" x 1-1/4" Cap Screw	0161027

ITEM	DESCRIPTION	PART#
13	1/2" Flat Washer - Wide	0142026
14	1/2" Lock Nut	0133005
15	3/8" x 3" Cap Screw	0161037
16	1.75" x .75 O.D. Spacer	9360169
17	3/8" Flat Washer	0142031
18	3/8" Hex Nut	0131018
19	3/8" x 2" Threaded Rod - Stainless Steel	0994523

* Corner GPS Guidance Panel Mounting Hdwre. Kit .. KA01396
(includes Harness Conduit - 9311747 (not shown))

** Trimble 900MHz In-Panel Mounting Hdwre. Kit KA01464
(more kit parts on following page)

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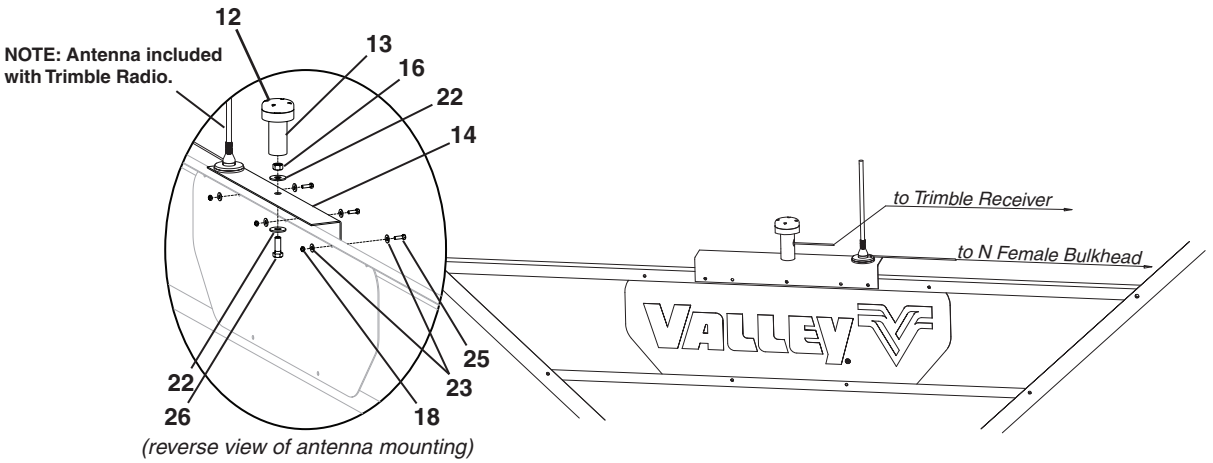
ITEM	DESCRIPTION	PART #
1	Trimble Receiver	03E3111
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Radio Bracket	9311873 *
5	Trimble Power Cable	03E3115
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127 *
7	Antenna Jumper - N Male to TNC Male	03E3128 *
8	N Female Bulkhead	0997247 *
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
10	Power Plug	03E2542 *
11	Coaxial Cable - TNC Male to 90° TNC Male - 28'	03E3114
12	3/4" Cable Connector	03E3163 *
13	Coaxial Cable - N Male to N Female - 15' (if needed)	03E3126
14	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
15	#8 Flat Washer - Stainless Steel	0142084 *
16	#8 x 3/8" Cap Screw	0164110 *

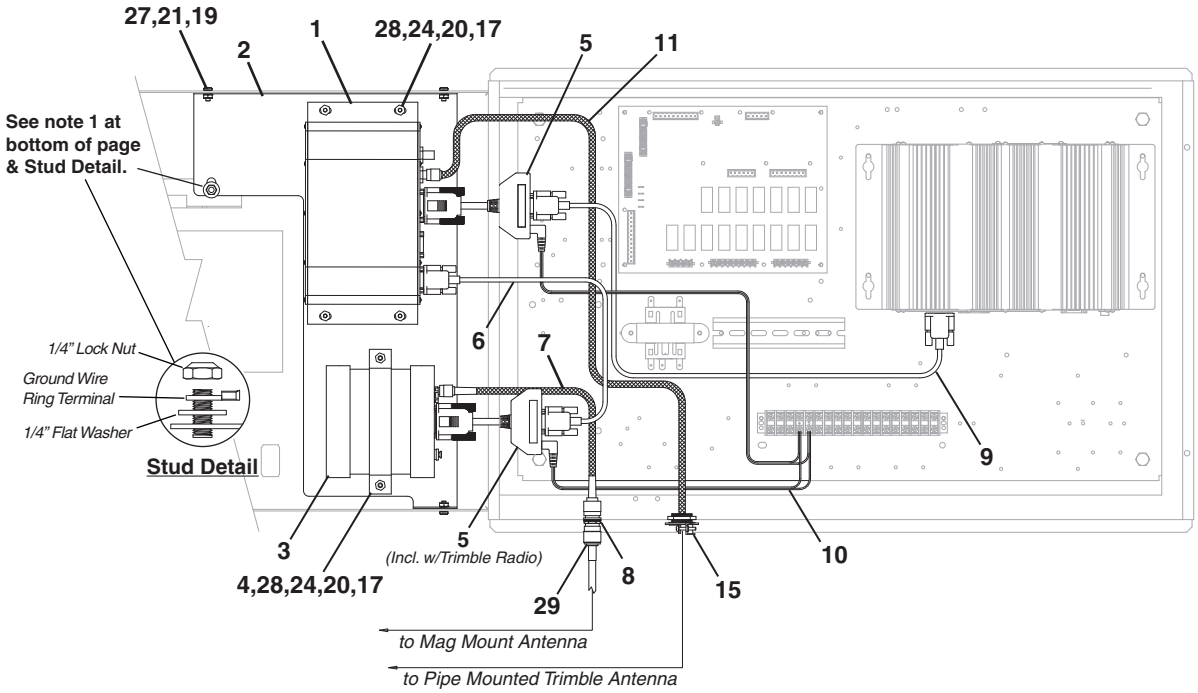
*** Trimble 900 MHz In-Panel Mounting Hardware - Corner KA01464**

(cont'd from previous page)

[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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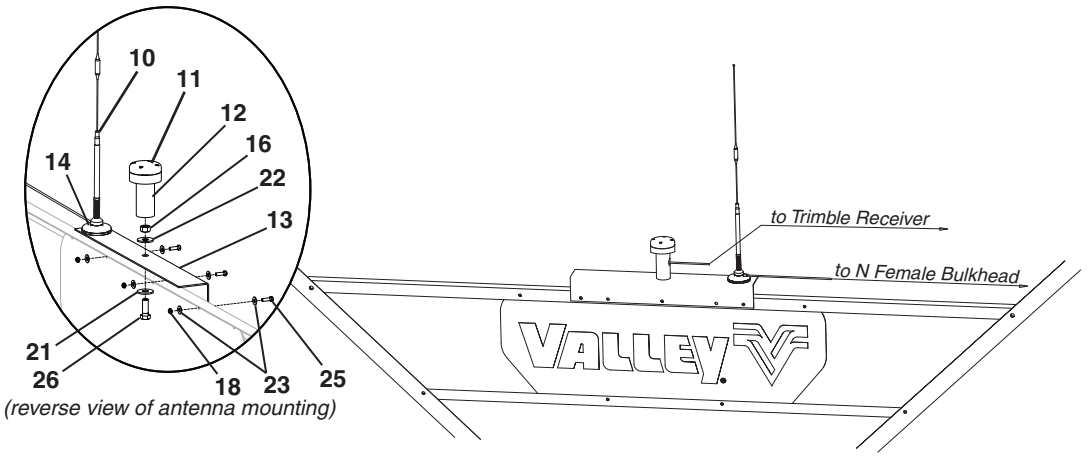
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Radio Bracket	9311873
5	Trimble Power Cable	03E3115
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127*
7	Antenna Jumper - N Male to TNC Male	03E3128*
8	N Female Bulkhead	0997247*
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137*
10	Power Plug	03E2542*
11	GNSS Antenna Cable - 12'	03E3522
12	AV33 L1/G1 Aviation Antenna	03E3605
13	Antenna Mount	03E3649
14	GPS SDU Bracket	9311745
15	3/4" Cable Connector	03E3163*
16	5/8" Hex Nut	0131009*
17	1/4" Hex Nut	0131020*
18	5/16" Lock Nut	0133007*

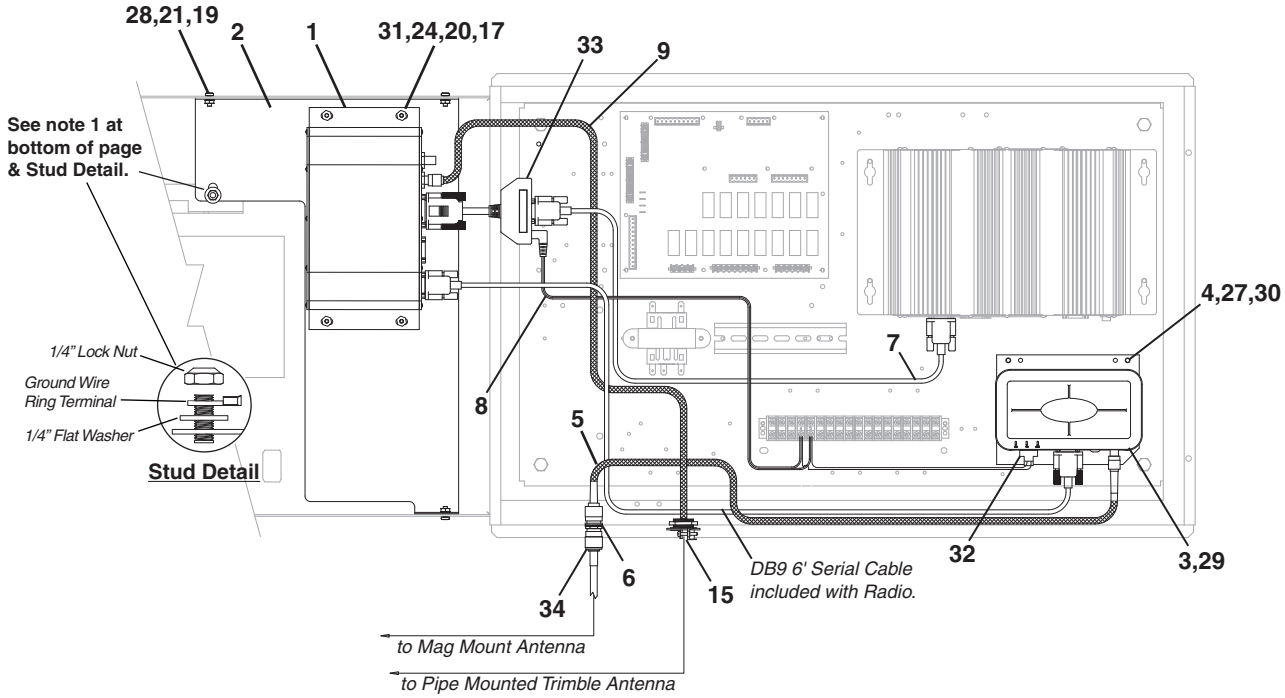
ITEM	DESCRIPTION	PART #
19	#8 Hex Nut w/External Tooth Lock Washer	0134059*
20	1/4" Lock Washer	0141009*
21	#8 Flat Washer - Stainless Steel	0142084*
22	5/8" Flat Washer	0142011*
23	5/16" Flat Washer	0142017*
24	1/4" Flat Washer	0142022*
25	5/16" x 1" Cap Screw	0161052*
26	5/8" x 1-3/4" Cap Screw	0161088*
27	#8 x 3/8" Cap Screw	0164110*
28	1/4" x 20mm Flat Screw - Allen Socket	0164234*
29	Cable - N Male to N Female - 15' Long	03E3126

*Trimble 900 MHz In-Panel Mount Hardware Kit KA01464

[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	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 900 MHz	03E3061
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	GNSS Antenna Cable - 12'	03E3522
10	900 MHz Antenna	03E3528
11	AV33 L1/G1 Aviation Antenna	03E3605
12	Antenna Mount	03E3649
13	GPS SDU Bracket	9311745
14	Magnetic Antenna Mount	03E3521
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *

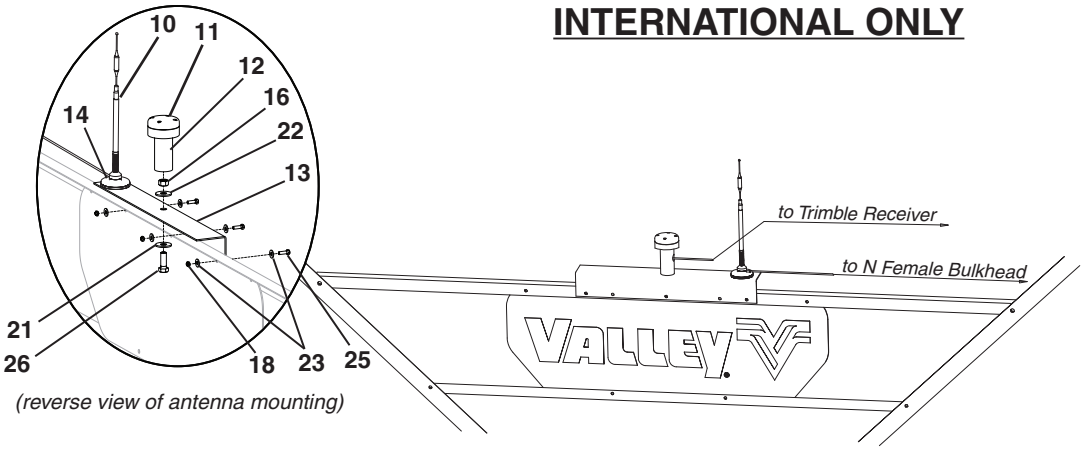
ITEM	DESCRIPTION	PART #
23	5/16" Flat Washer	0142017 *
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
28	#8 x 3/8" Machine Screw	0164110 *
29	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
30	#12 x 1/2" Sheet Metal Screw	0164231 *
31	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
32	Power Input Connector	03E3905
33	Trimble Power Cable	03E3115
34	Cable - N Male to N Female - 15' Long	03E3126

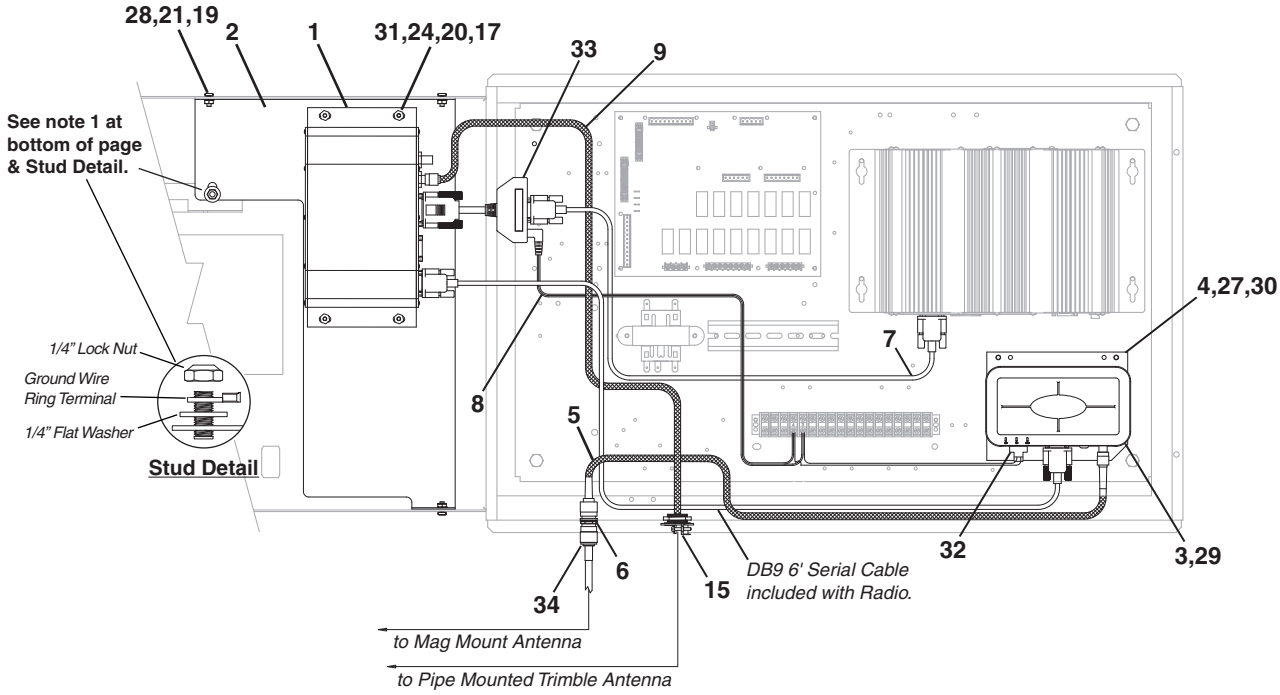
***Trimble Single Freq. Reference Hardware Kit KA01762**
(also included Black Wire Ties..03E2004 (not shown))

NOTE: Power Cable & Power Input Connector incl. with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).
[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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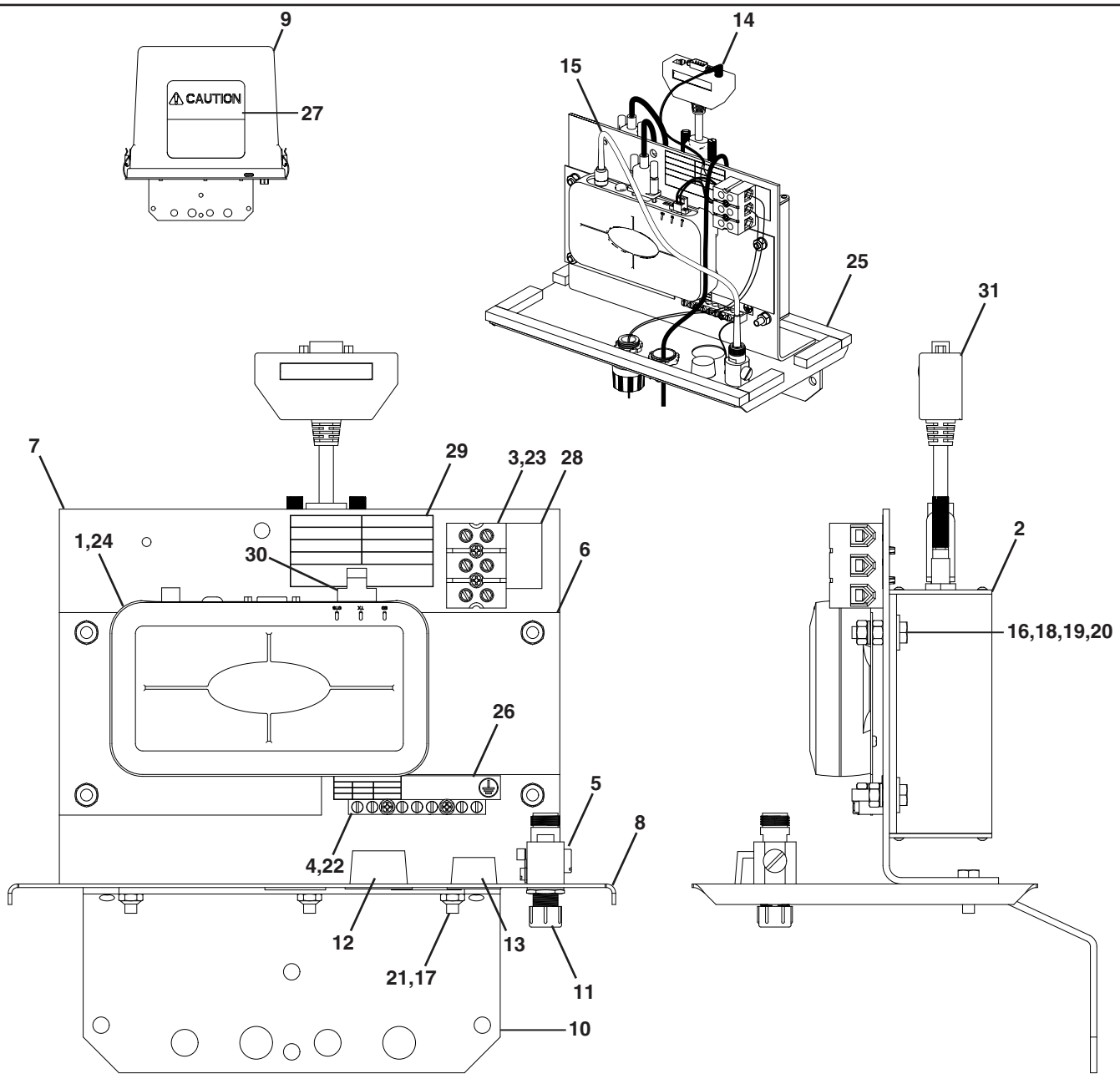


ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 2.4 GHz	03E3915
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	GNSS Antenna Cable - 12'	03E3522
10	2.4 GHz Antenna	03E3916
11	AV33 L1/G1 Aviation Antenna	03E3605
12	Antenna Mount	03E3649
13	GPS SDU Bracket	9311745
14	Magnetic Antenna Mount	03E3521
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *
23	5/16" Flat Washer	0142017 *
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
28	#8 x 3/8" Machine Screw	0164110 *
29	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
30	#12 x 1/2" Sheet Metal Screw	0164231 *
31	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
32	Power Input Connector	03E3905
33	Trimble Power Cable	03E3115
34	Cable - N Male to N Female - 15' Long	03E3126

***Trimble 2.4 GHz Single Freq. Reference Hdwre. ....KA01886 (also included Black Wire Ties..03E2004 (not shown))**

NOTE: Power Cable & Power Input Connector incl. with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).
[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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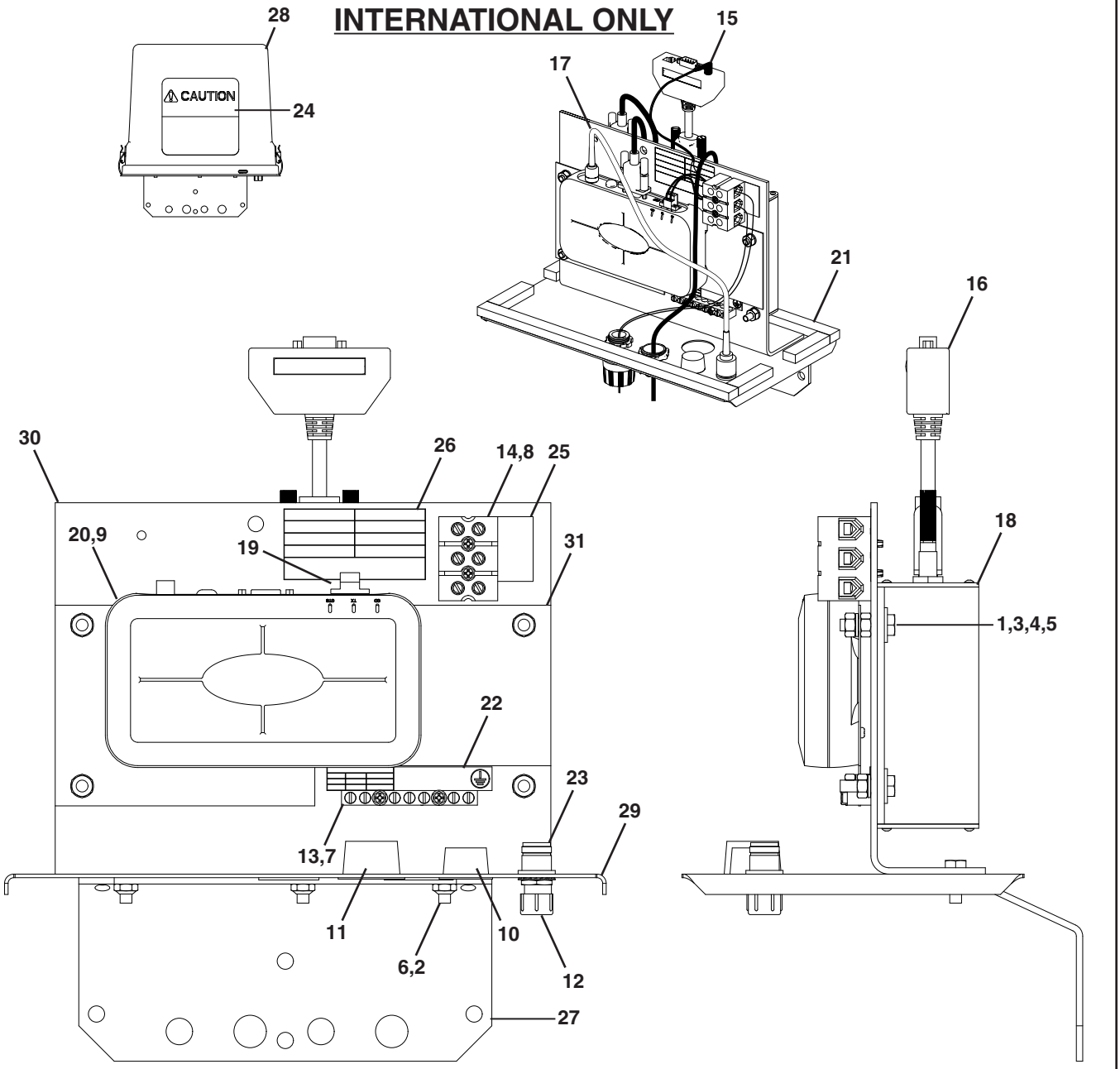


ITEM	DESCRIPTION	PART #
1	Freewave SSR Radio - 900 MHz	03E3061
2	Single Frequency Reciever - Programmed	03E3650
3	Terminal Strip - 3 Term	0315121
4	Ground Lug - 7 Term.	0315120
5	Coaxial Surge Protector - N-Female for SSR	03E3194
6	SSR Mounting Plate	9312377
7	Vertical Plate	9311889
8	Bottom Plate	9311884
9	Electrical Tower Box Cover - UL	9311146
10	Mounting Plate	1702054
11	Caplug - 5/8-24 Thread	0261057
12	14 Caplug - Red	0261012
13	12 Caplug	0261008
14	Power Plug - 2.1mm	03E2542
15	Antenna Jumper - N Male to SP-TNC Male	03E3539
16	1/4" Hex Nut	0131020
17	1/4" Lock Nut - Grade B	0133008

ITEM	DESCRIPTION	PART #
18	1/4" Lock Washer	0141009
19	1/4" Flat Washer	0142022
20	1/4" x 1" Cap Screw	0161056
21	1/4" x 3/4" Cap Screw - Grade 5	0161057
22	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
23	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
24	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
25	Tower Box Gasket Kit	0992071
26	Decal - Ground	0992925
27	Decal - Caution Disconnect Off and Locked	0998331
28	Decal - Trimble Power	0998337
29	Decal - Terminal Block Torque Copper Wire	0998450
30	Power Input Connector	03E3905
31	Trimble Power Cable	03E3115
	Single Frequency Receiver Station Assm.	1815214

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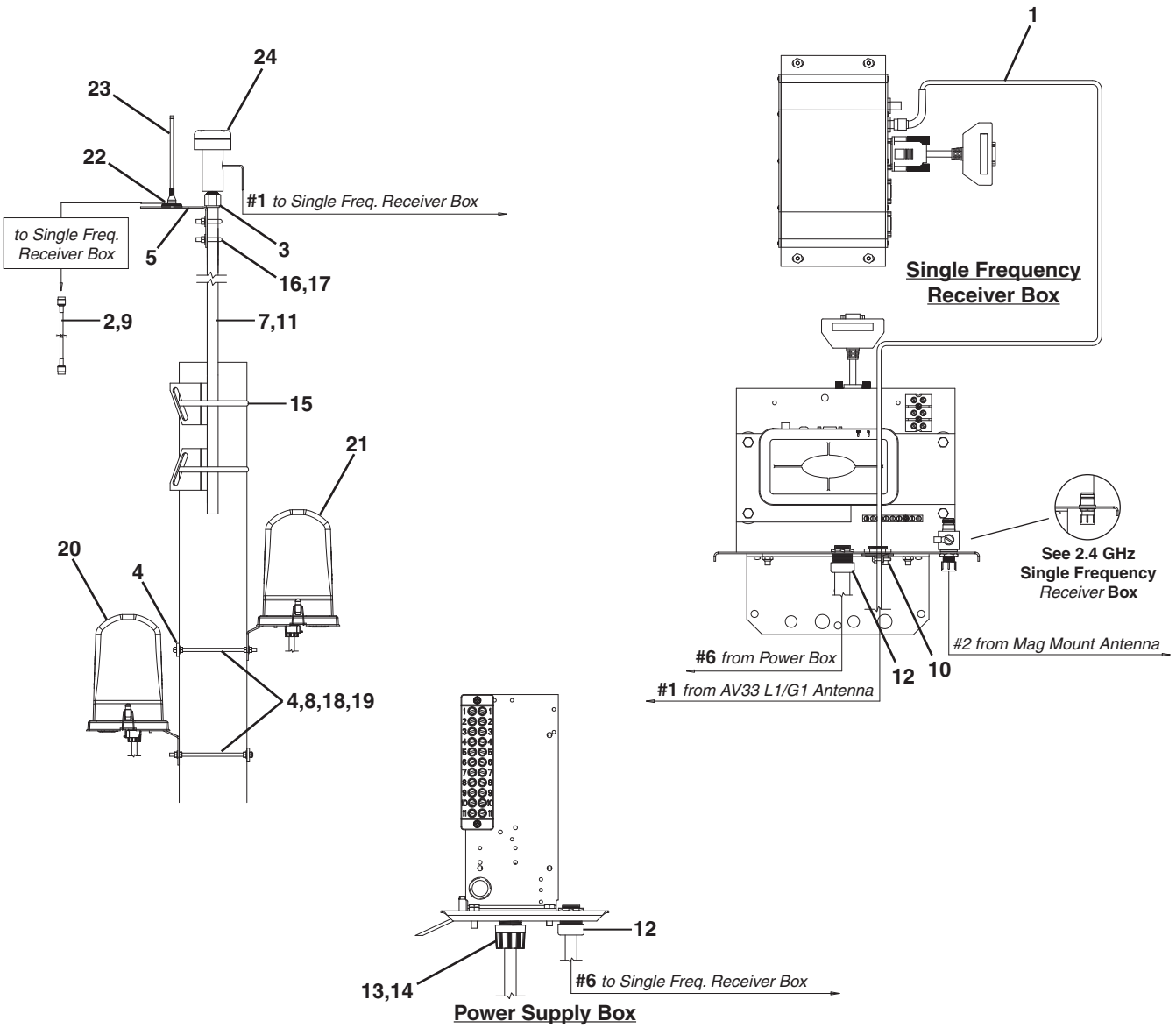


ITEM	DESCRIPTION	PART #
1	1/4" Hex Nut	0131020
2	1/4" Lock Nut - Grade B	0133008
3	1/4" Lock Washer	0141009
4	1/4" Flat Washer	0142022
5	1/4" x 1" Cap Screw	0161056
6	1/4" x 3/4" Cap Screw - Grade 5	0161057
7	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
8	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
9	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
10	12 Caplug	0261008
11	14 Caplug - Red	0261012
12	Caplug - 5/8-24 Thread	0261057
13	Ground Lug - 7 Term.	0315120
14	Terminal Strip - 3 Term	0315121
15	Power Plug - 2.1mm	03E2542
16	Trimble Power Cable	03E3115
17	Antenna Jumper - N Male to SP-TNC Male	03E3539

ITEM	DESCRIPTION	PART #
18	Single Frequency Reciever - Programmed	03E3650
19	Power Input Connector	03E3905
20	Freewave SSR Radio - 2.4 GHz	03E3915
21	Tower Box Gasket Kit	0992071
22	Decal - Ground	0992925
23	Bulkhead - N-Female	0997247
24	Decal - Caution Disconnect Off and Locked	0998331
25	Decal - Trimble Power	0998337
26	Decal - Terminal Block Torque Copper Wire	0998450
27	Mounting Plate	1702054
28	Electrical Tower Box Cover - UL	9311146
29	Bottom Plate	9311884
30	Vertical Plate	9311889
31	SSR Mounting Plate	9312377
	2.4 GHz Single Frequency Receiver Station Assm.	1815312

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Single-Frequency Reference Station Mntg. & Cable Routing

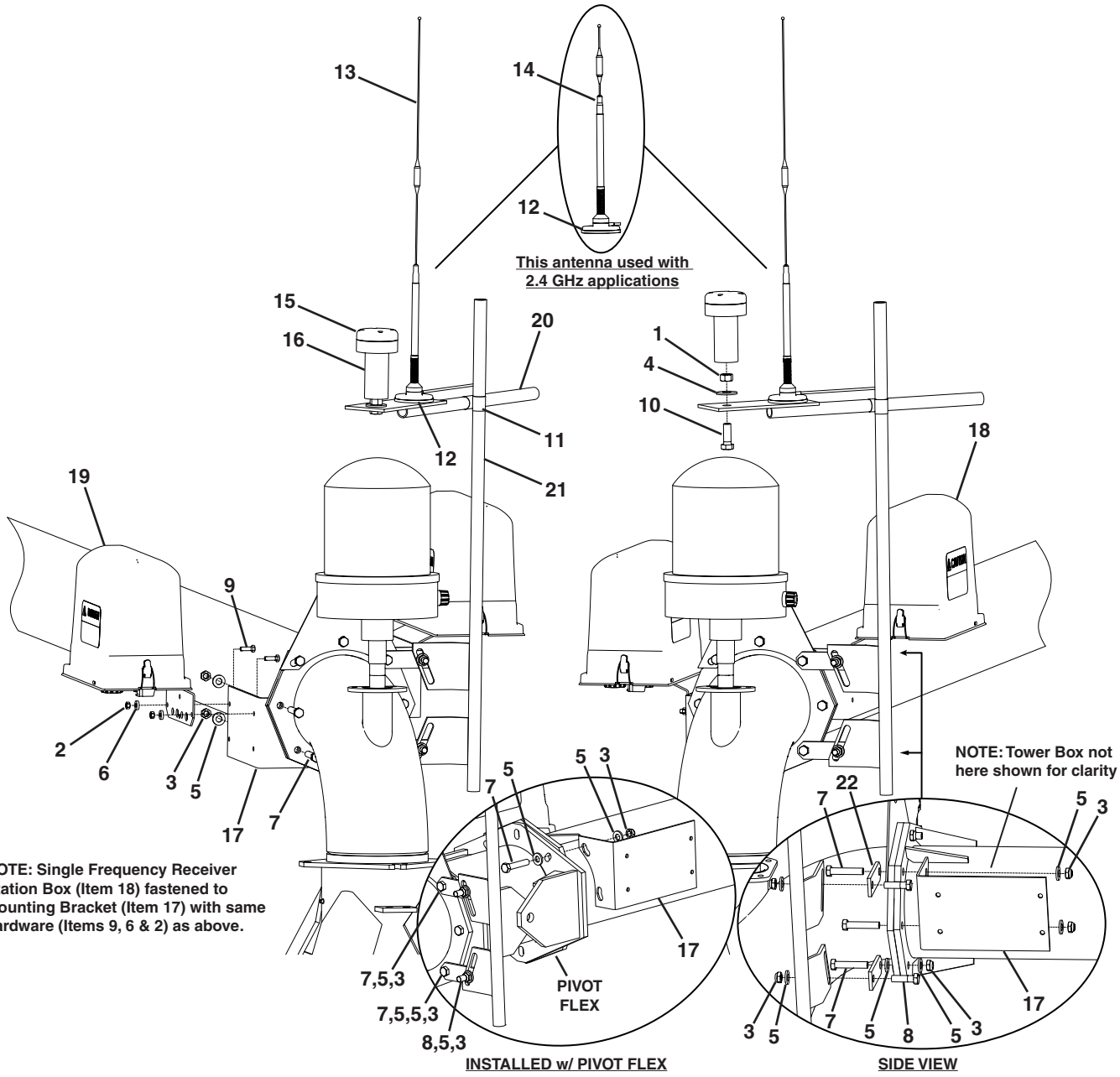


ITEM	DESCRIPTION	PART#
1	Coaxial Cable - Male to 90° Male	03E3114
2	Cable - SP-TNC Male to SP-TNC Female - 15'	03E3126
3	GPS Antenna Mount	9363922 *
4	Reference Station Mounting Bracket	9363561 *
5	Antenna Mount - Magnetic	9311890 *
6	Power Cable - 3 Cond. 14 Ga. - 10' Long	1813424 *
7	Running Light Bracket Assm.	1781544
8	5/16" Threaded Adjustment Rod	1731232 *
9	Self-Bonding Silicon Tape - Not Shown	0996553 *
10	3/4" Romax Cable Connector	03E3163 *
11	Wire Tie - Black - Not Shown	03E2004 *
12	Strain Relief Connector	0315502 *
13	Scotchlok Connector	0314151 *
14	Strain Relief Hub - .50"	0314119 *
15	Clamp - 42"	0271051 *
16	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064 *
17	5/16" Flat Washer - Stainless Steel	0142095 *
18	5/16" Flat Washer - Wide	0142017 *
19	5/16" Hex Nut	0131037 *
20	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
21	Single Frequency Receiver Station Assm.	1815214
22	Magnetic Antenna Mount	03E3521
23	900MHz Antenna	03E3528
24	AV33 L1/G1 Aviation Antenna	03E3605

* Single Freq. Ref. Station Mounting Hardware. Kit .. KA01760
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Item 2 (Extension Cable 03E3126) used as required.

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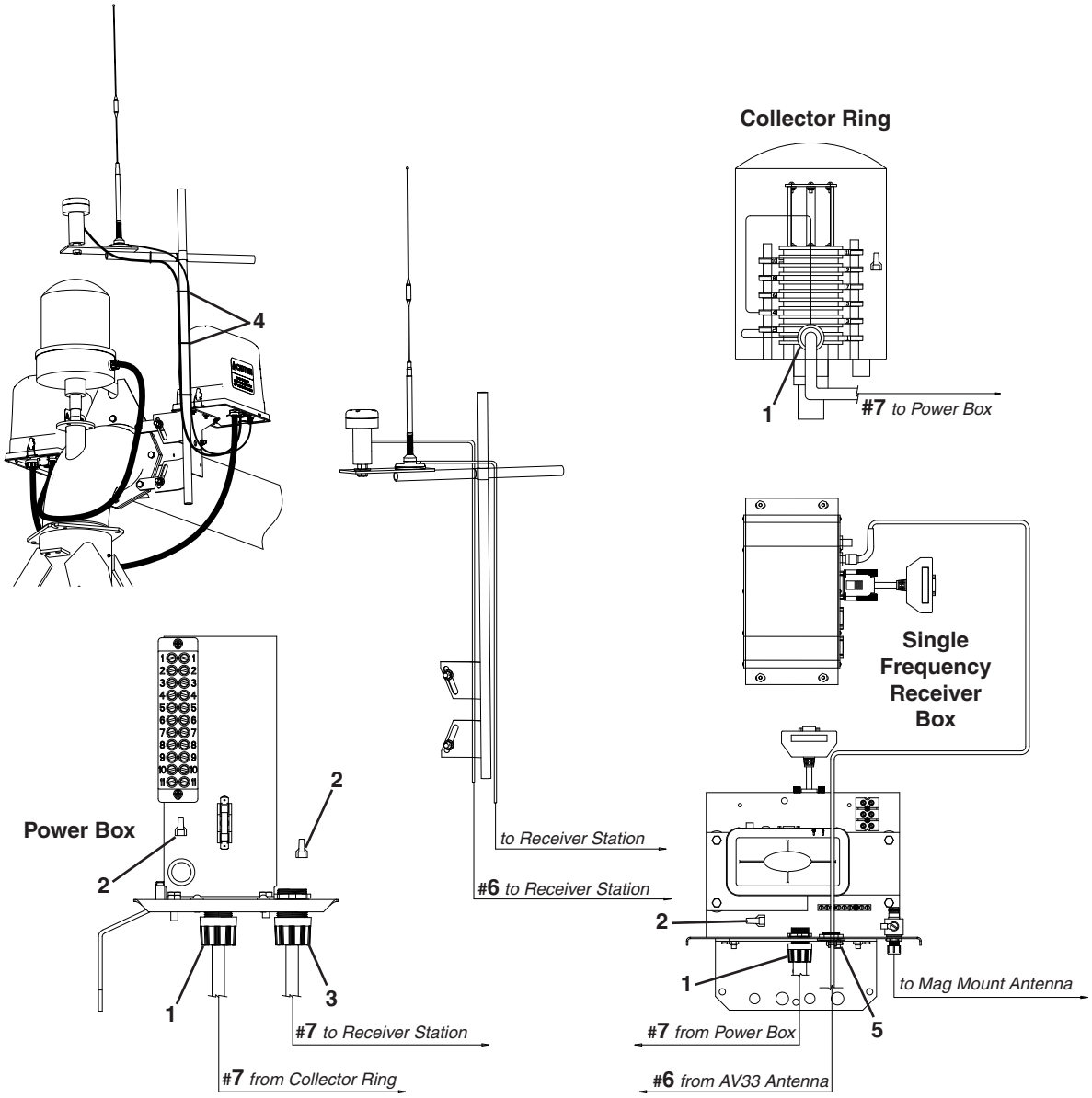


ITEM	DESCRIPTION	PART#
1	5/8" Hex Nut	0131009 *
2	5/16" Hex Nut	0131019 *
3	1/2" Lock Nut	0133005 *
4	5/8" Flat Washer - Wide	0142011 *
5	1/2" Flat Washer - Hardened	0142025 *
6	5/16" Flat Washer - Stainless Steel	0142095 *
7	1/2" x 2-1/2" Cap Screw	0161023 *
8	1/2" x 1-3/4" Cap Screw	0161029 *
9	5/16" x 1" Cap Screw	0161052 *
10	5/8" x 1-3/4" Cap Screw	0161088 *
11	Crossover Pipe Fitting - Kee Klamp	03E1516 *
12	Magnetic Antenna Mount	03E3521
13	900MHz Antenna	03E3528
14	2.4 GHz Antenna	03E3916

ITEM	DESCRIPTION	PART#
15	AV33 L1/G1 Aviation Antenna	03E3605
16	Antenna Mount	03E3649
17	Mounting Bracket - Tower Box to Flange	1704272
18	Single Frequency Receiver Station Assm	1815214
19	Power Box Assm. - 120 VAC in to 12VDC out	1815215
20	Antenna Mount - Horizontal	9364489
21	Antenna Mount - Vertical	9364490
22	Antenna Mount Link	9364495 *

* Single Frequency Pivot Point Reference Hdwre.....KA01763
(some parts from this kit shown on next page)
Magnetic Mount & 5db Omni Antenna Kit.....KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

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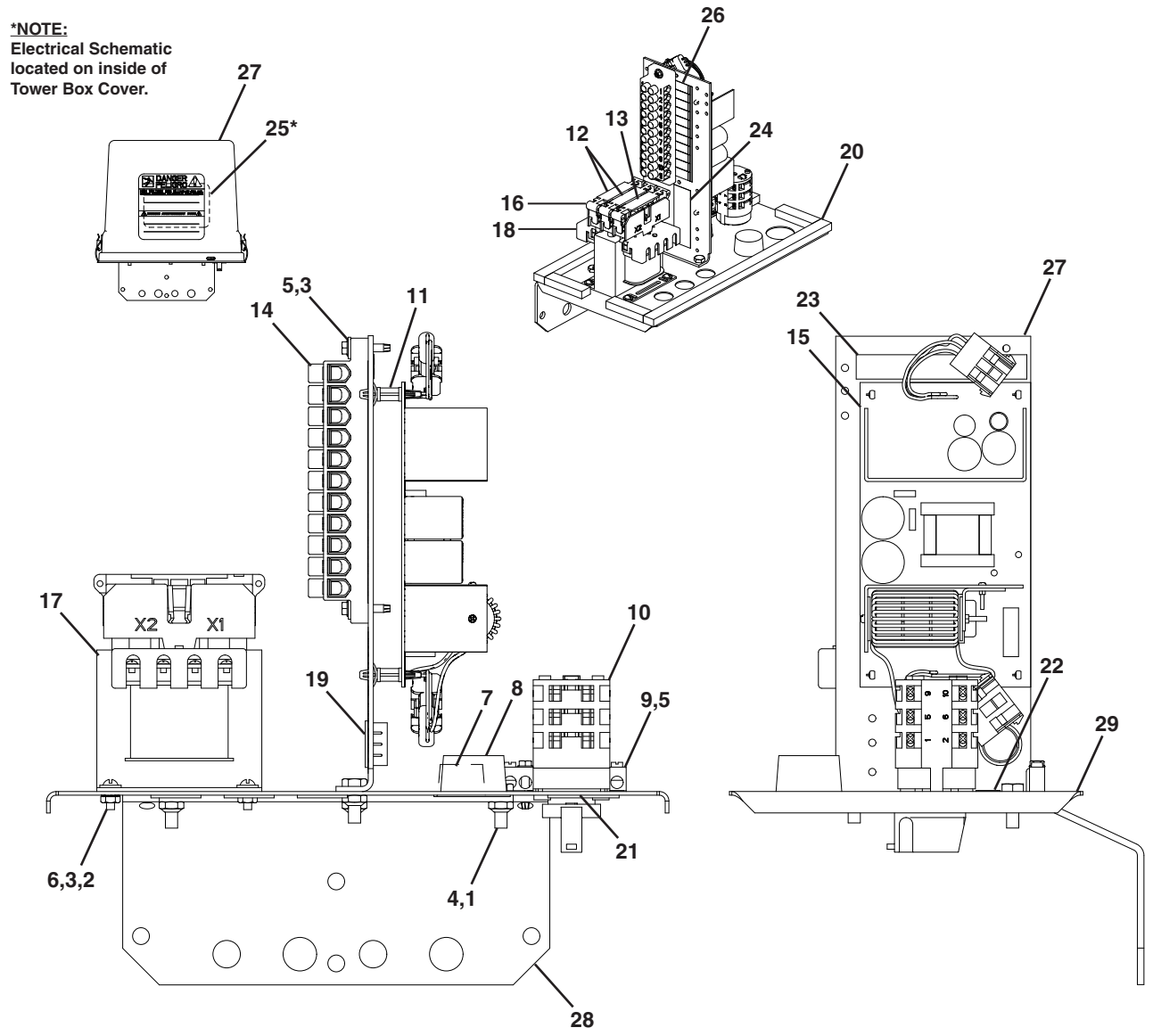


ITEM	DESCRIPTION	PART#
1	Strain Relief Hub - .5" Hub	0314119*
2	Scotchlock Connector	0314151*
3	Strain Relief Hub - 1" Hub	03E0287*
4	Wire Tie - Black	03E2004*
5	Cable Connector	03E3163*
6	GNSS Antenna Cable	03E3522
7	Electrical Cable - 4 Cond. 14 Ga. 12' Long	1813611

*** Single Frequency Pivot Point Reference Hdwre.....KA01763**
(some parts from this kit shown on previous page)

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

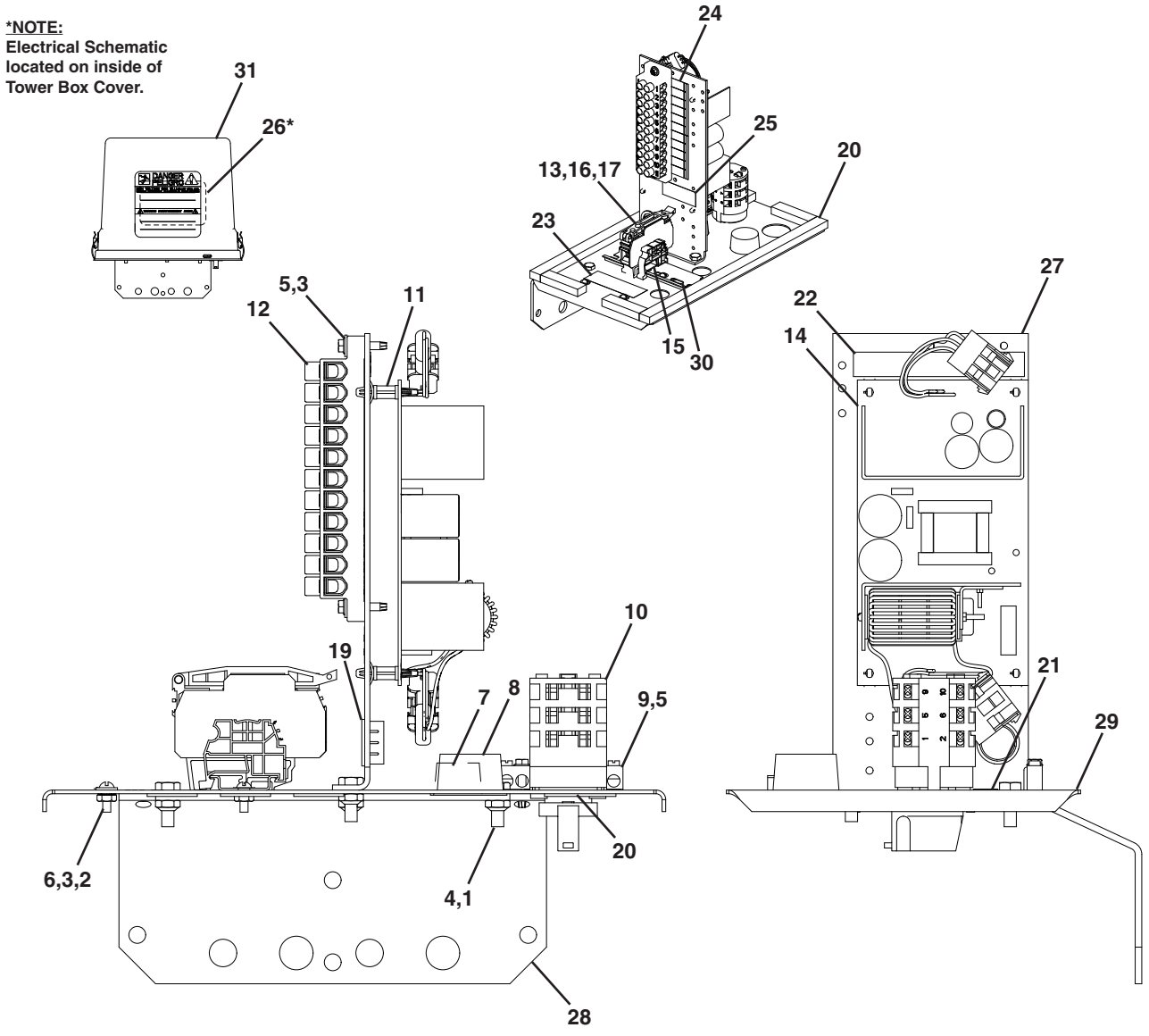


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	#8 Flat Washer - Stainless Steel	0142084
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Screw - Self-Tapping	0161356
6	#8 x 1/2" Screw - RH	0164042
7	Caplug 12	0261008
8	Caplug 15x	0261010
9	Ground Lug	0315120
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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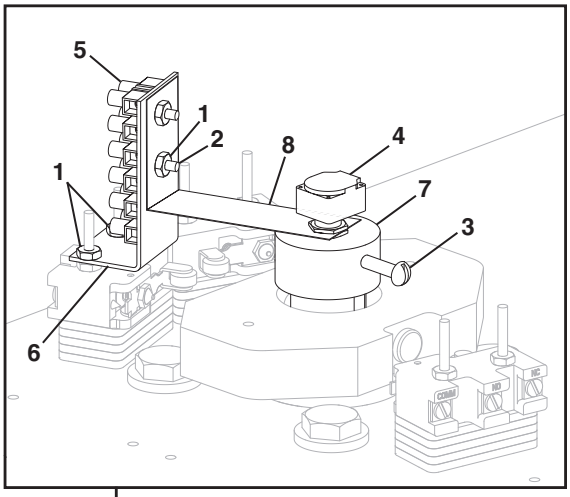
Power Box - 120 VAC In to 12VDC Out

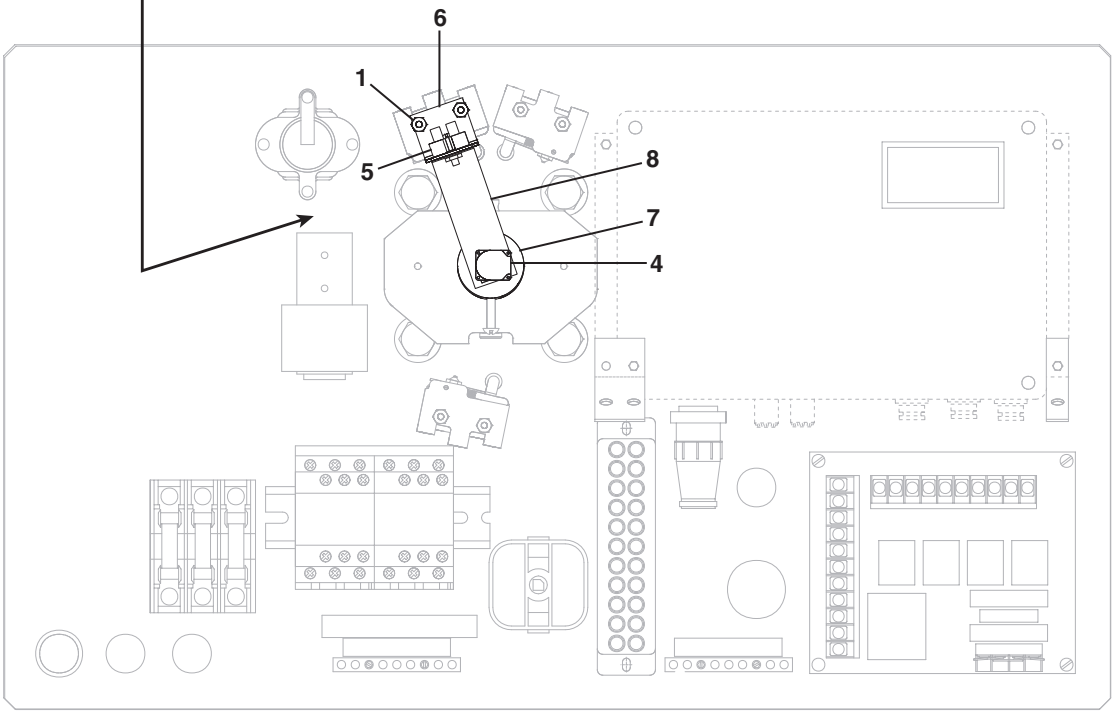


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	#8 Flat Washer - Stainless Steel	0142084
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Screw - Self-Tapping	0161356
6	#8 x 1/2" Screw - RH	0164042
7	Caplug 12	0261008
8	Caplug 15x	0261010
9	Ground Lug	0315120
10	Disconnect Switch - 6 Pole	0315746
11	Circuit Board Spacer - Snap-in	03E0412
12	Terminal Block - 11 Term 600V	03E1899
13	Time Delay Fuse - 2 Amp 250V	03E2315
14	Power Supply - 12V	03E2809
15	Din Rail End Stop	03E2996
16	Din Rail Mount Fuse Block	03E2997
17	Fuse Block Cover	03E2998

ITEM	DESCRIPTION	PART #
18	Snap Bushing	0992070
19	Gasket Kit	0992071
20	Decal - Disconnect	0992090
21	Decal - Ground	0992925
22	Decal - Copper Wire ONLY	0994836
23	Decal - 3R Enclosure Decal	0996403
24	Decal - Terminal Strip	0997954
25	Decal - Fuse	0998110
26	Decal - Electrical Schematic	0999116
27	Vertical Component Bracket	1702053
28	Mounting Plate	1702054
29	Bottom Plate	1704173
30	Din Rail Mount Channel - 4.90" Long	9310693
31	Tower Box Cover - UL	9311146
	Power Box Assm. - 120 VAC in to 12VDC out	1815215

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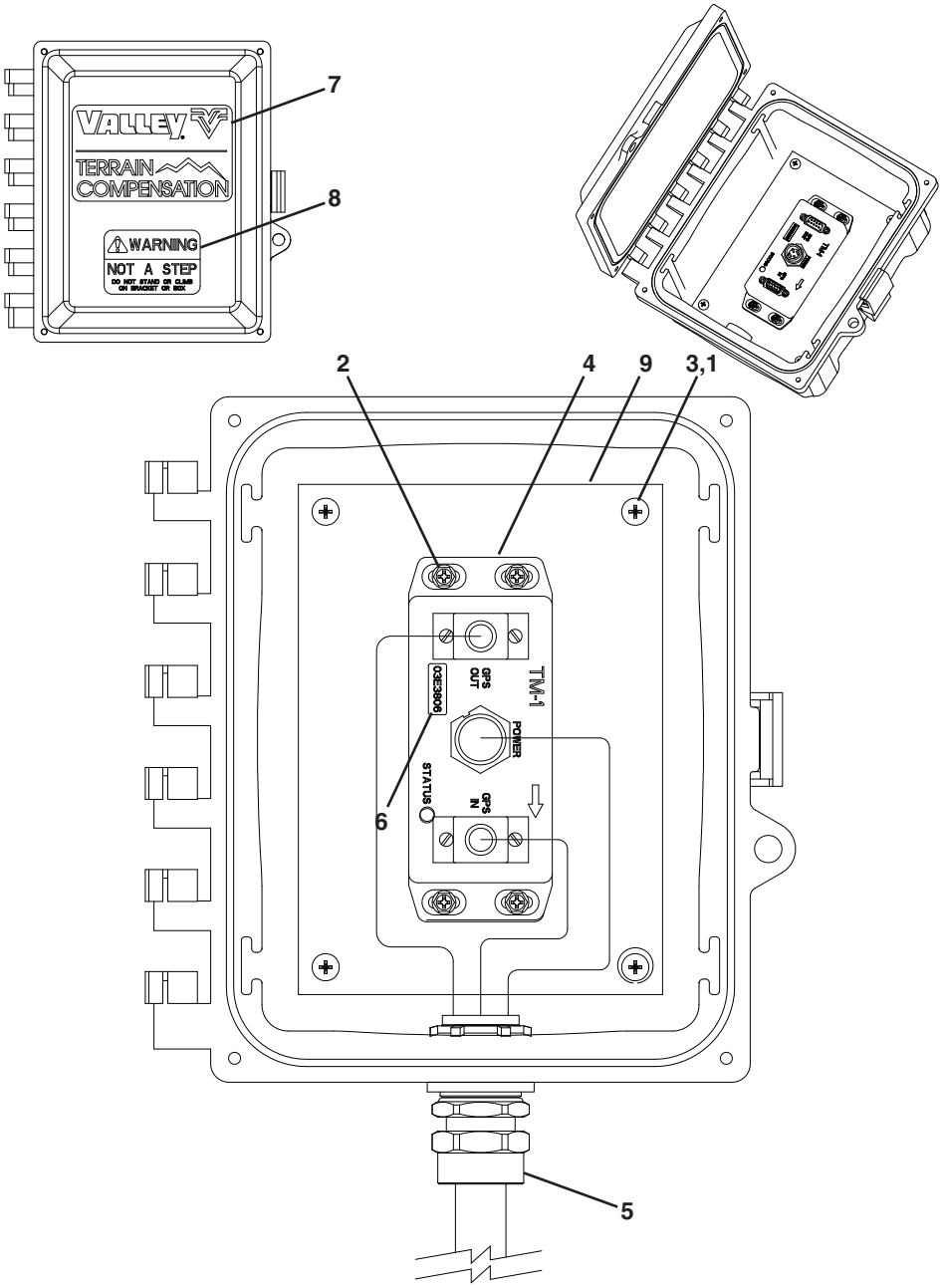
ITEM	DESCRIPTION	PART #
1	#6-32 Nut	0134027
2	#6 x 1/2-32 RH Screw	0164065
3	#10 x 1-1/4-24 RH Screw	0164136
4	Rotary Position Sensor Assm.	03E2023
5	Terminal Strip - 6 Terminal Mini-Strip	03E2102
6	Steer Wheel Angle Sensor Anchor	03E2821
7	Steer Wheel Angle Sensor Hub	03E2832
8	Sensor Arm Bracket	03E2835

Corner GPS Guidance Sensor Mounting Hardware Kit KA01399

NOTE: Kit includes 1-1/2 Amp Fuse (not pictured)..... 0314858

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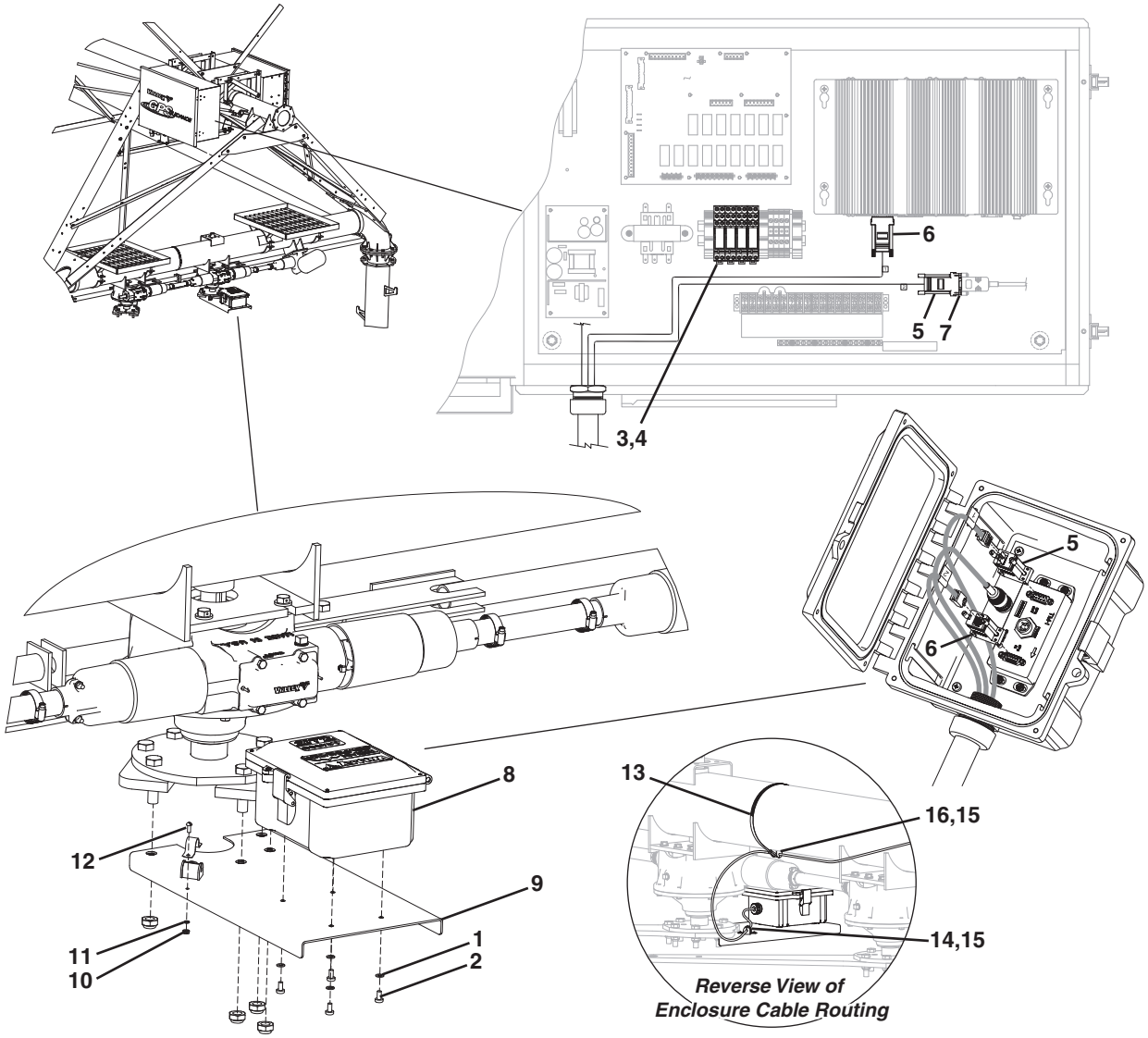


ITEM	DESCRIPTION	PART #
1	#10 Lock Washer	0141065
2	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
3	#10 x 3/8" Pan Head Screw - Phillips Head Stainless Steel	0164250
4	Terrain Compensation Module - Programmed	03E3806
	Terrain Compensation Module - Programmed (High Profile)	03E3946
5	Terrain Compensation Enclosure Cable Assm.	03E4127
6	Decal - 03E3806	0999412
	Decal - 03E3946 (High Profile)	0999810
7	Decal - Terrain Compensation	0999435
8	Decal - Terrain Compensation Warning	0999436
9	Module Plate	9312434
	Terrain Compensation Enclosure Assm.	1815272
	Terrain Compensation Enclosure Assm. (High Profile)	1815326

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Terrain Compensation Enclosure Mounting & Cable Routing

ONLY used on Corners with GPS Guidance



ITEM	DESCRIPTION	PART #
1	1/4" Lock Washer - Stainless Steel	0141023 *
2	1/4" x 1/2" Pan Head Screw - Phillips Head - S.S.	0164251 *
3	PCB Mount Relay - 120 VAC 5A DPDT	03E2230 *
4	Dinrail Adapter - PCB Relay	03E2231 *
5	Connector - DB9 Male to RJ45 Female	03E2444 *
6	Connector - DB9 Female to RJ45 Female	03E3541 *
7	Standoff - 4-40 UNC-2B Female/Female	03E3757 *
8	Terrain Compensation Enclosure Assm.	1815272 *1
	Terrain Compensation Enclosure Assm. (H.P.)	1815326 *1
9	Terrain Compensation Enclosure Mounting Brkt.	9312426
10	#10 Hex Nut	0131055 *
11	#10 Lock Washer	0141065 *
12	#10 x 1/2" Screw	0164096 *
13	Hydraulic Tube Clamp - 42" Long	0271051 *
14	1/2" 2-Hole Clamp	03E4095 *
15	Isolator Cushion - 3/8" I.D.	03E4096 *
16	Hydraulic Hose Clamp	1750318 *
	Terrain Compensation Installation Kit	KA01872
	Terrain Compensation Installation Kit (H.P.)	KA01998

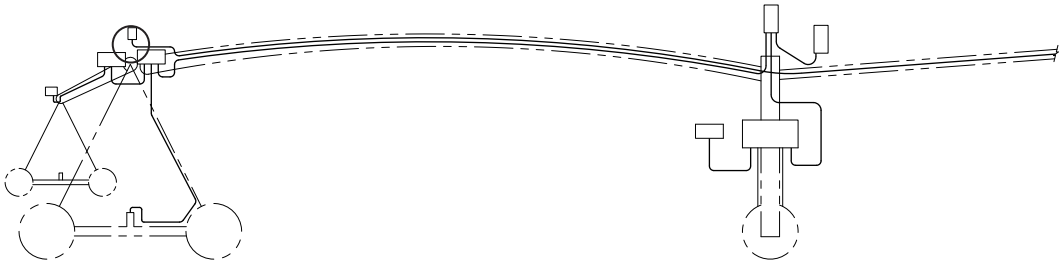
*NOTE: Items included in their respective Installation Kits.

[1]NOTE: See previous page for Enclosure Assm. details.

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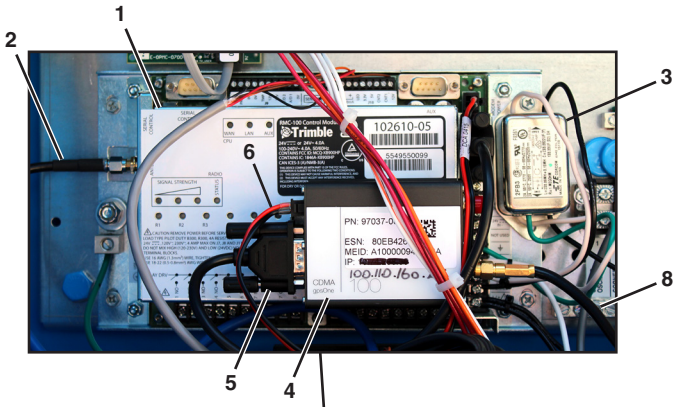


ITEM	DESCRIPTION		PART#
1	IQP100 Power Module		*
2	IQ 30V Power Y-Cable		*
3	Bracket & U-Bolt Kit	- 4-1/2 in	03E4296**
		- 5 in	03E4291**
		- 5-9/16 in	03E4295**
		- 6 in	03E4297**
		- 6-5/8 in	03E4292**
		- 8 in	03E4294**
		- 8-5/8"	03E4290**
		- 10 in	03E4293**

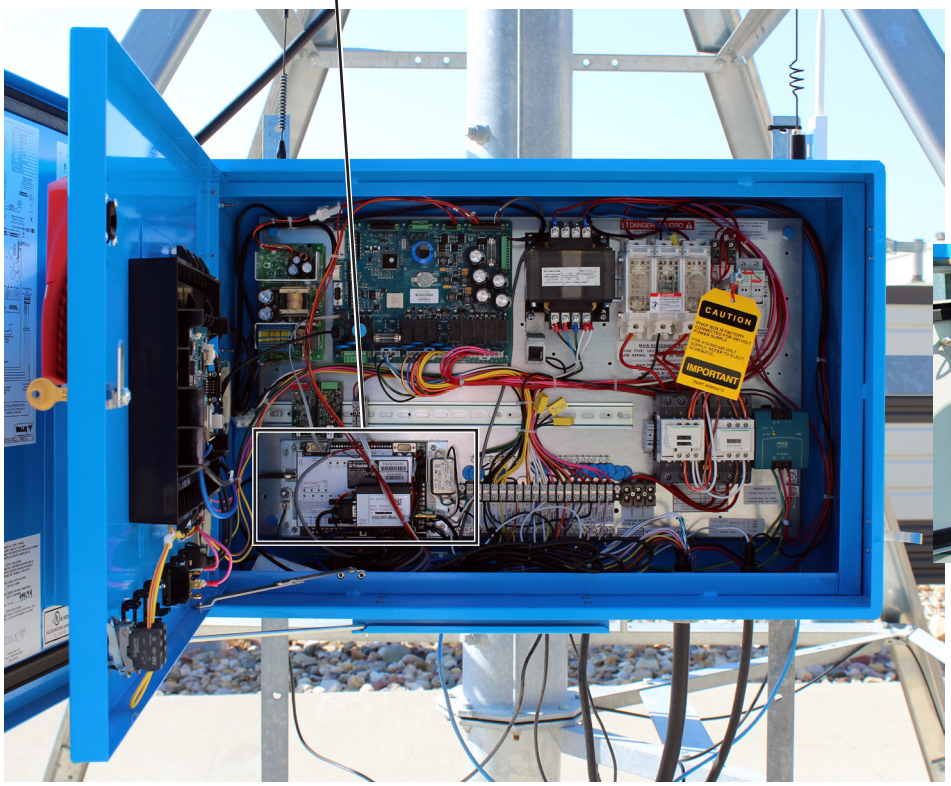
*IQP100 Power Module Assm..... 03E4305

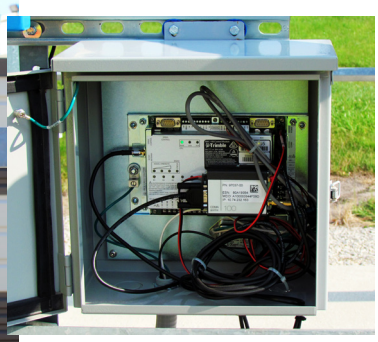
** NOTE: Kit includes U-Bolts & Brackets, 3/8 in Flat Washers, 3/8 in Split Lock Washers, 3/8 in Hex Nuts.

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Standalone Enclosure

ITEM	DESCRIPTION	PART#
1	RMC100 Control Module Assm.	*
2	XBee 900 MHz Antenna Kit	*
3	EMI Filter	*
4	Modem Bundle	**
5	Maestro M100 Series Modem RS-232 Cable	**
6	RMC-100 to Modem Power Cable Assm.	**
7	Dual Band NMO Whip Antenna	**
8	Antenna Mag Base NMO-to-SMA - LMR200 Ant. Cable - 12 ft	**

*	RMC100 Component Kit	03E4312
	XBee 900 MHz for Anglia Antenna Kit (incl. 2 antennae)	03E4321
**	Data & Modem Kit - Verizon	03E4281
	- AT&T	03E4283
	- Aus Telstra	03E4282
	- Canada Rogers	03E4284
	RMC100 External Enclosure	03E4299

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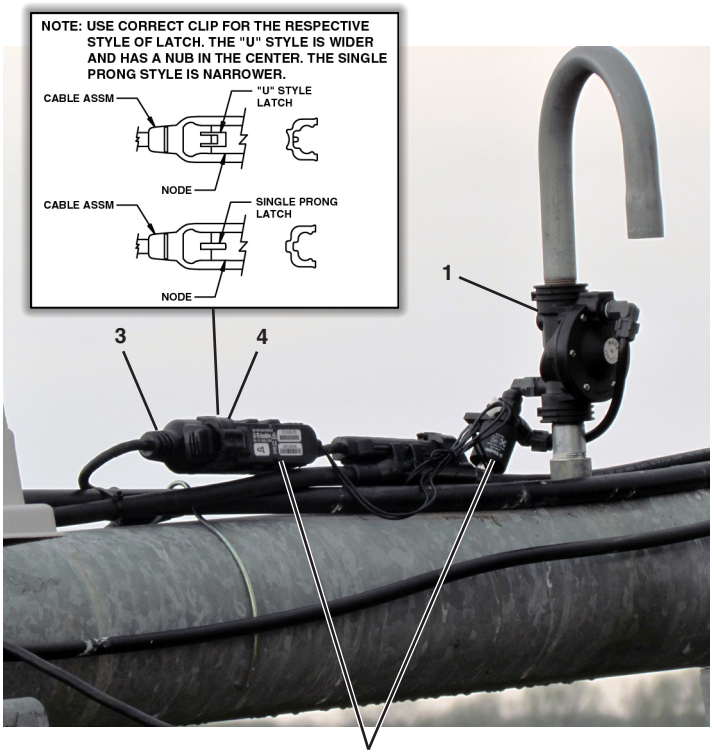
IQL Mounting Hardware included in Antenna Component Kit (03E4264)



IQL200 Power Cable Span Adapter

ITEM	DESCRIPTION	PART#
1	IQL200 Control Module	*
2	XBee 900MHz Antenna Kit	03E4321
3	IQL200 Power Cable Span Adapter	03E4308
	*IQL200 Component Kit	03E4310

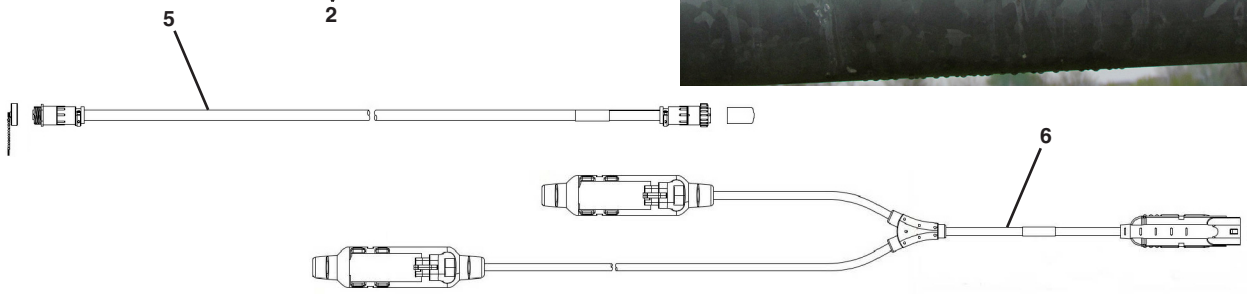
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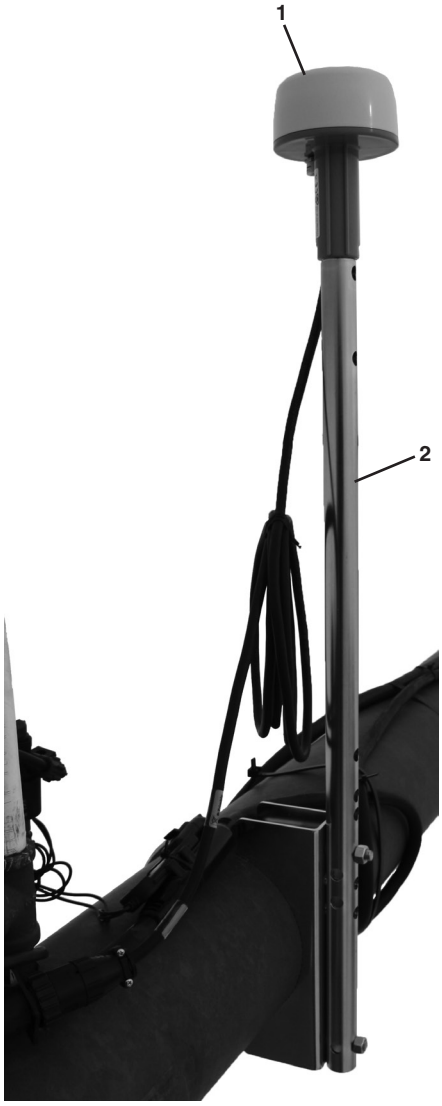
Control Module

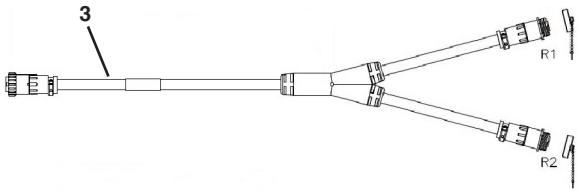




ITEM	DESCRIPTION	PART#
1	Bermad Valve - Trimble	03E4326
2	Control Module	03E4311
3	Cable Assm. - 1 Outlet 114 in Spacing	03E4267
	- 2 Outlets 114 in Spacing	03E4268
	- 1 Outlet 126 in Spacing	03E4269
	- 2 Outlets 126 in Spacing	03E4270
	- 20 Outlets 126 in Spacing	03E4271
	- 30 Outlets 126 in Spacing	03E4272
	- 1 Outlet 165 in Spacing	03E4273
	- 2 Outlets 165 in Spacing	03E4274
	- 20 Outlets 165 in Spacing	03E4275
	- 30 Outlets 165 in Spacing	03E4276
	- 10 Outlets 251 in Spacing	03E4277
4	Cable Clip	03E4344
5	Blank Extension Span Cable Assm. - 19.6 ft Long	03E4287
	- 32.8 ft Long	03E4285
	- 173.8 ft Long	03E4286
6	Span Outlet Splitter - 126 in Spacing	03E4300

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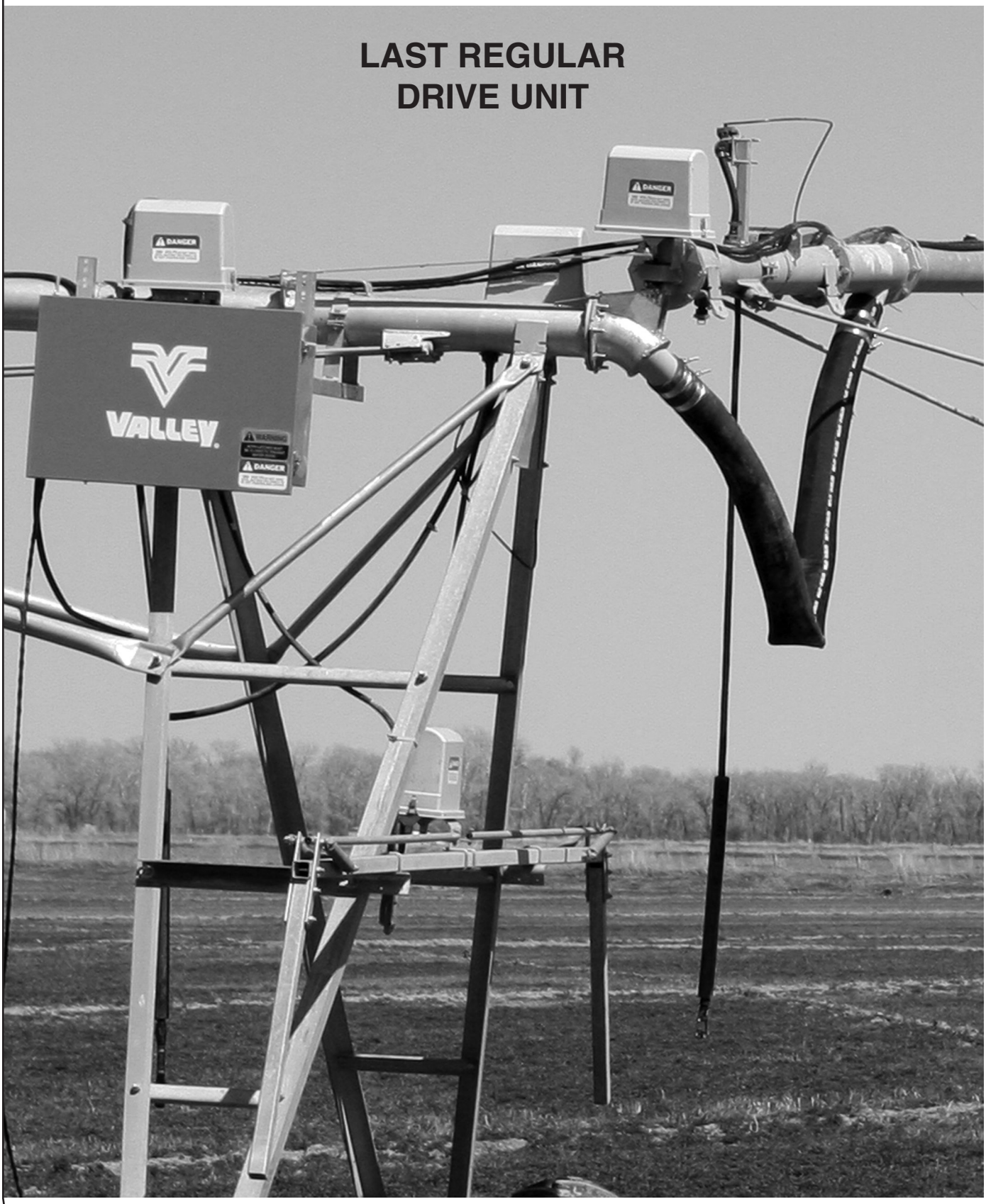




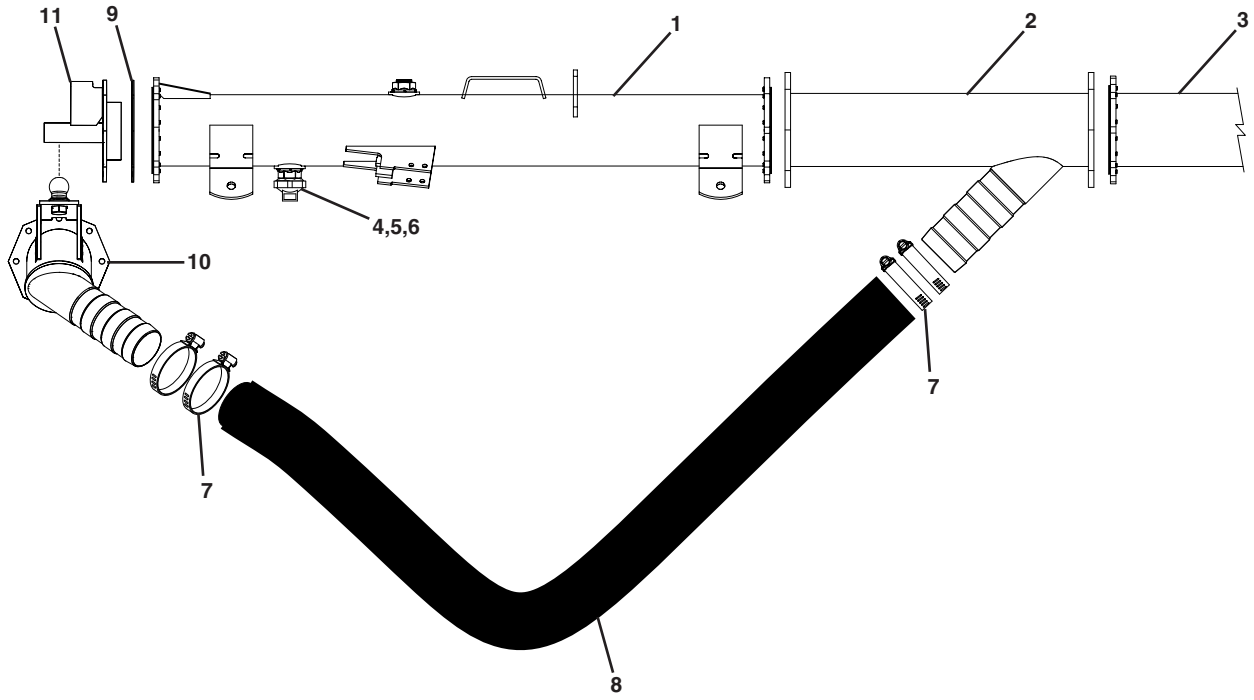
ITEM	DESCRIPTION	PART#
1	IQG100 GNSS Module Assm.	03E4449
2	GPS Mount Pole	03E4450
3	GNSS Y Jumper Span Acc. Cable Assm.	03E4288

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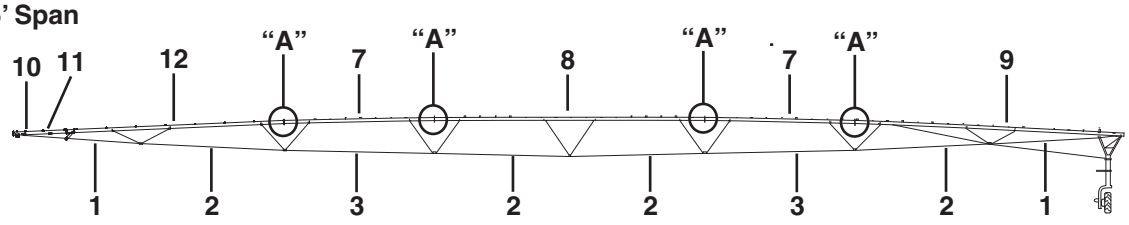
ITEM	DESCRIPTION	PART#
1	6-5/8" Last Stub Pipe - Poly	9362673
2	6-5/8" Inlet Stub (Ceramic)	9363529
3	6-5/8" Inlet Pipe - Poly	9363148
4	Drain Seal	0232568
5	Lower Drain Body	0232004
6	Upper Drain Body - Plastic	0246227
7	4-1/2" Flex Joint Clamp (w/Liner)	0270001
8	Hose, High Pressure - 4-1/2" I.D.	0272010
9	6-5/8" Flat Gasket	0992211
10	LRDU Inlet Support (Ceramic)	9363534
	LRDU Inlet Support - Inverted (Ceramic)	9363532
11	Poly Socket Mount (Ceramic)	9363530

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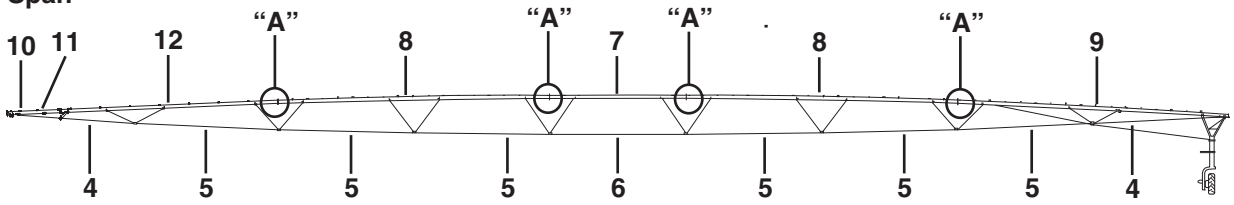
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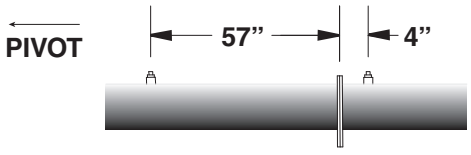
185' Span



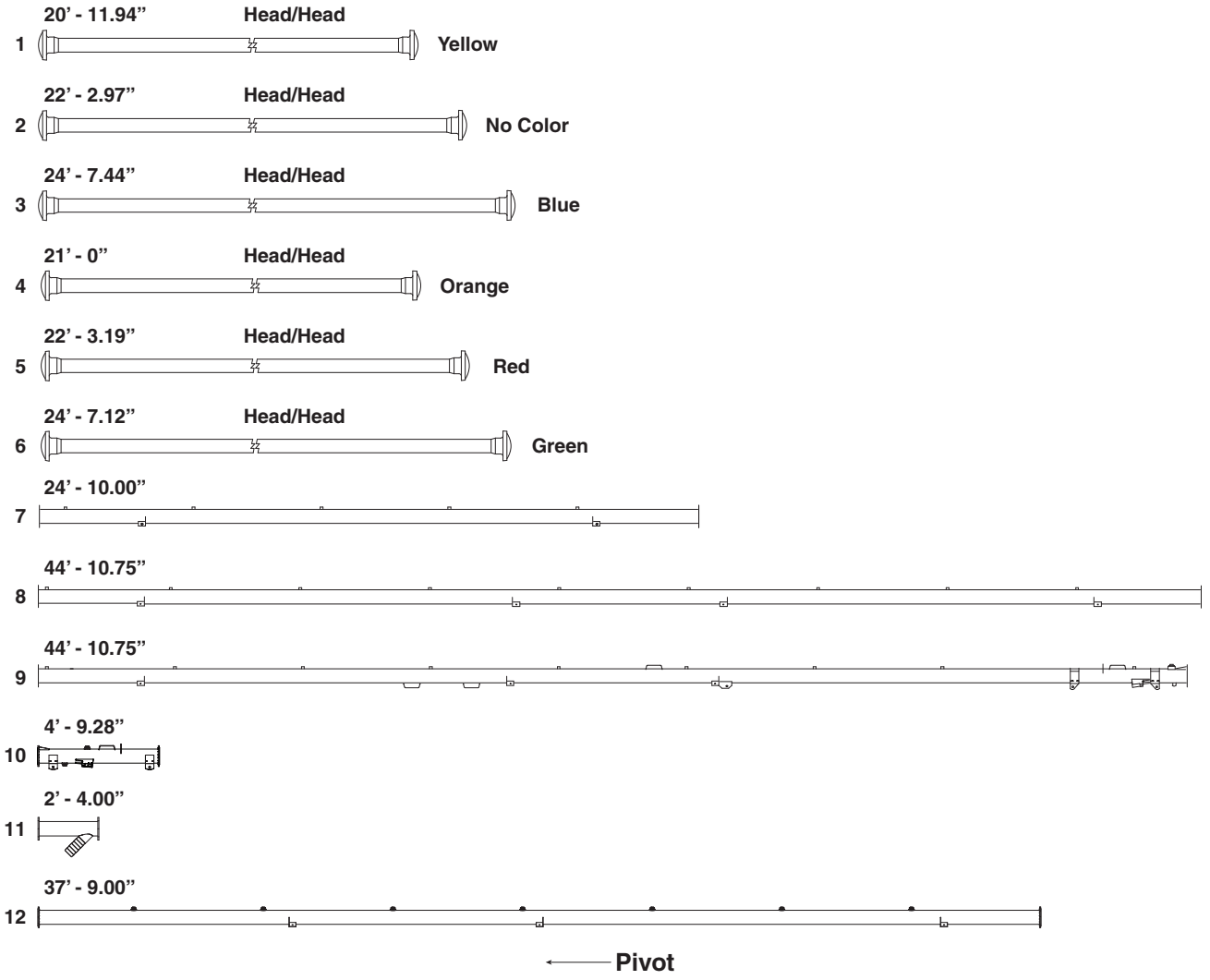
205' Span



Detail "A"
60" Spacing Pipe-to-Pipe



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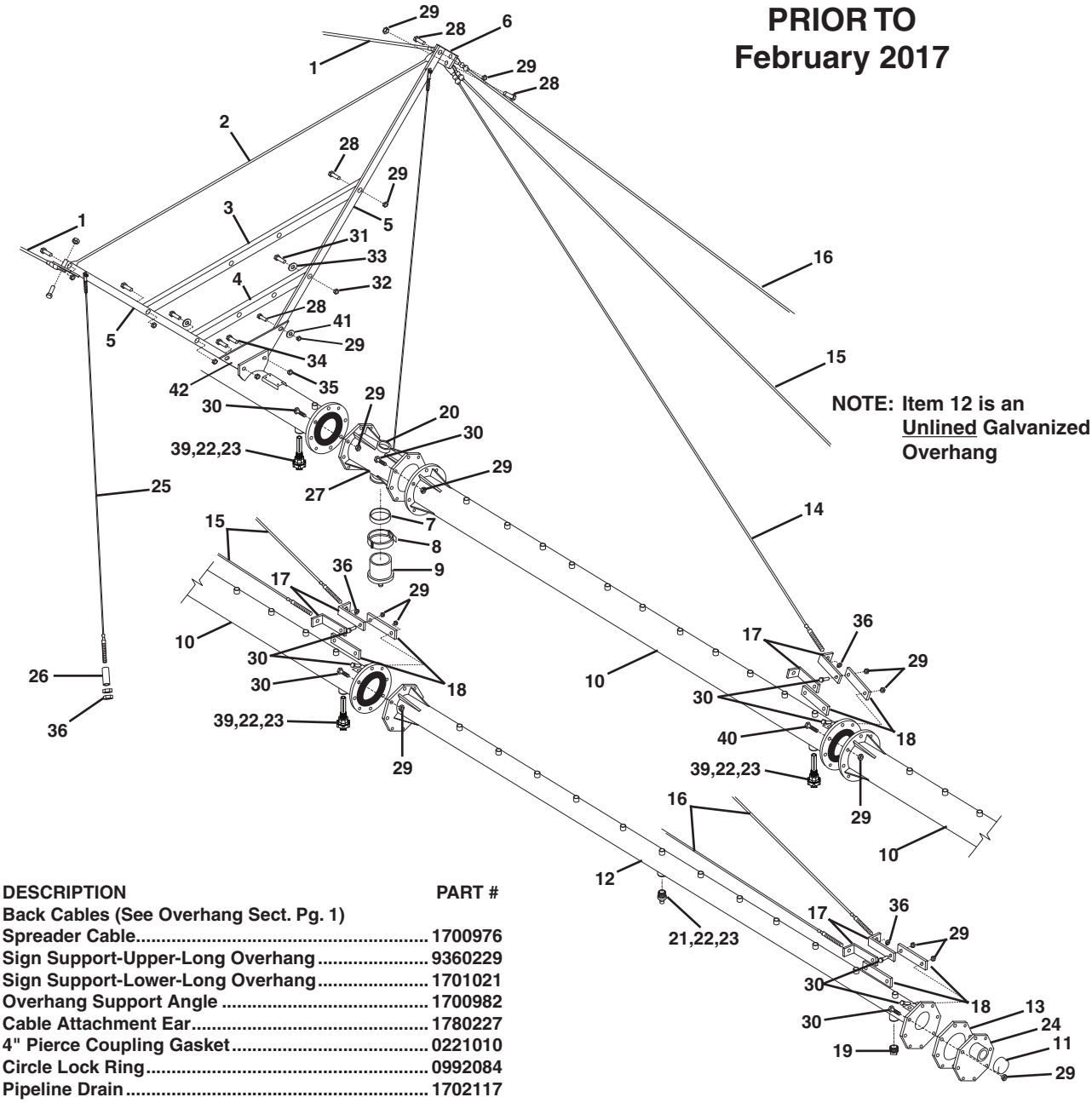


Item	Description	Poly Part #
1	3/4” Tower Truss Rod (20’-11.94”)	9360060
2	3/4” Standard Intermediate Truss Rod (22”-2.97”)	9360061
3	3/4” Intermediate Truss Rod (24-7.44”)	9360062
4	13/16” Tower Truss Rod (21’-0”)	9360064
5	13/16” Standard Intermediate Truss Rod (22’-3.19”)	9360065
6	13/16” Intermediate Truss Rod (24’-7.12”)	9360066
7	25’ Short Intermediate Pipe (24’-10.00”)	9362705
8	45’ Standard Intermediate Pipe (44’-10.75”)	9362707
9	Last Pipe (44’-10.75”)	9363146
10	Last StubPipe (4'-9.47")	9362673
11	Corner Inlet Stub (2'-4.00") (Ceramic Coated)	9363529
12	Corner Inlet Pipe (37'-9.00")	9363148

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Functional Area	Assembly / Part	Rev# 03-17
PolySpan® Overhang Detail	83.3' [25.39m] Lined Overhang	

PRIOR TO February 2017



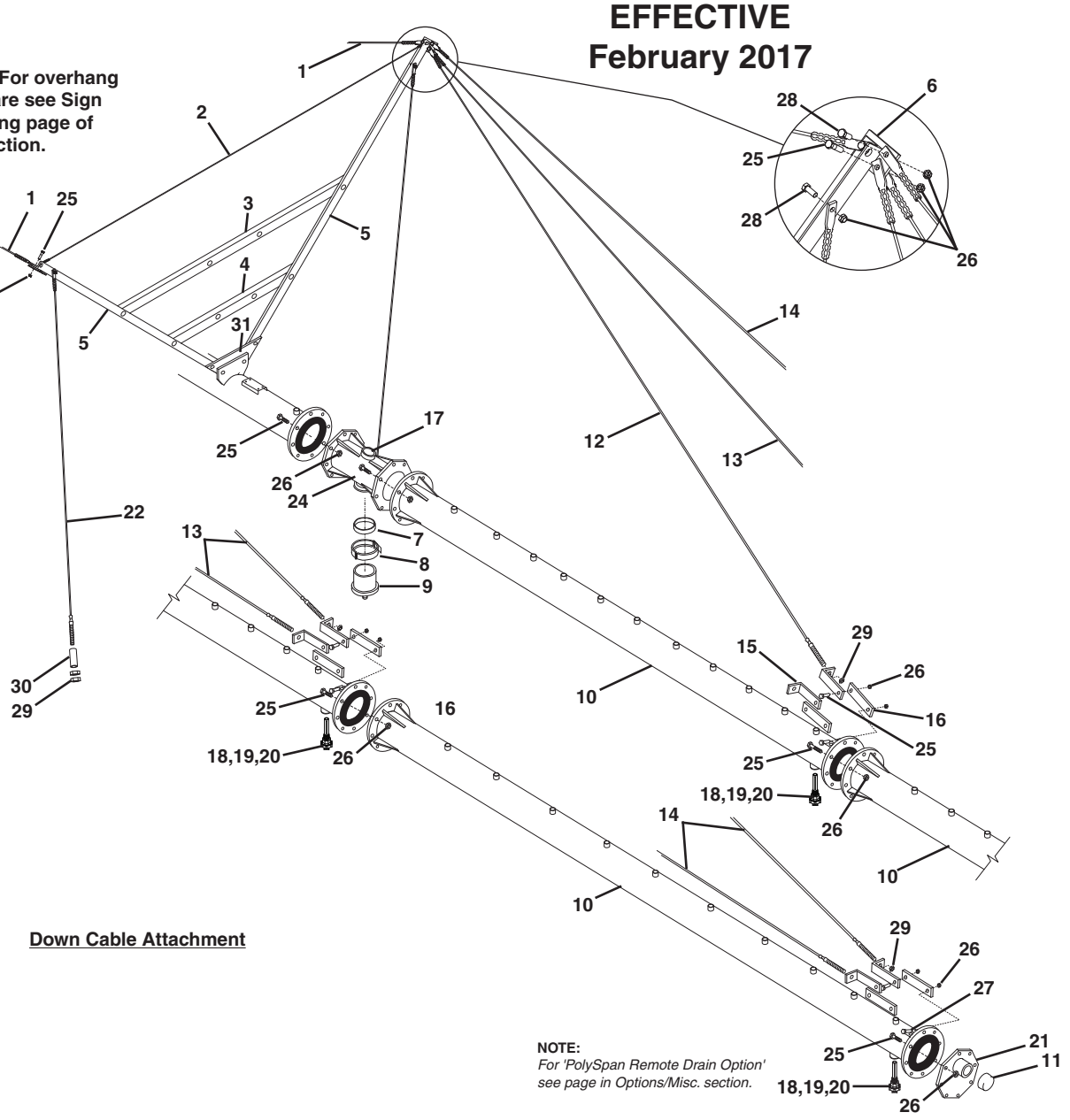
ITEM	DESCRIPTION	PART #
1	Back Cables (See Overhang Sect. Pg. 1)	
2	Spreader Cable	1700976
3	Sign Support-Upper-Long Overhang	9360229
4	Sign Support-Lower-Long Overhang	1701021
5	Overhang Support Angle	1700982
6	Cable Attachment Ear	1780227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
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	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	Upper Drain Body	0246170
22	Drain Seal	0232568
23	Lower Drain Body	0232004
24	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
25	Support Cable	1703616
26	Guide Spacer	9360300

ITEM	DESCRIPTION	PART #
27	Spacer, Stainless Steel, w/4° Tip	9360464
28	1/2" x 1-1/4" Cap Screw	0161027
29	1/2" Lock Nut	0133005
30	1/2" x 2" Cap Screw	0161024
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	Upper Drain Body - 3/4"	0246227
40	1/2" x 2-1/2" Cap Screw	0161023
41	1/2" Flat Washer	0142025
42	Trapezoid Plate	9363792

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EFFECTIVE
February 2017

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



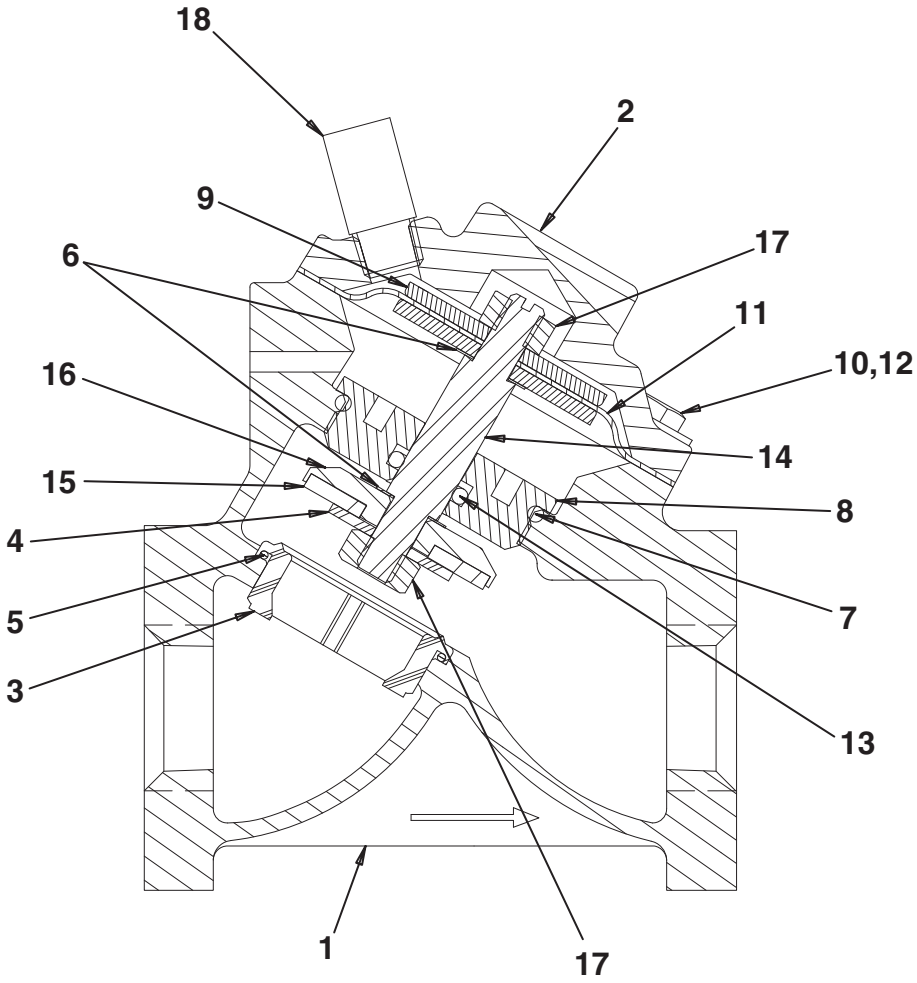
Down Cable Attachment

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	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

ITEM	DESCRIPTION	PART #
18	3/4" Upper Drain Body	0246227
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	6-5/8" End Plate - Galvanized	1800036
	6-5/8" End Plate - Stainless Steel	9363508
22	Support Cable Assm. - Corner	1703616
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	Guide Spacer	9360300
31	Trapezoid Plate	9363792

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NO.	DESCRIPTION
1	BODY 3/4"
2	CAP 1/8 NPT
3	SEA T (421)
4	DISC PLA TE
5	O-RING 2-025
6	GASKET -1/2 OD
7	O-RING 2-125
8	GUIDE SHAFT -421
9	DIAPHRAGM PLATE-421
10	1/4-20 X 7/8 CAP SCREW
11	DIAPHRAGM-421
12	1/4-20 HEX NUT
13	O-RING 2-110
14	SHAFT-421
15	DISC
16	DISC HOLDER
17	1/4-28 HEX NUT
18	TUBE FITTING

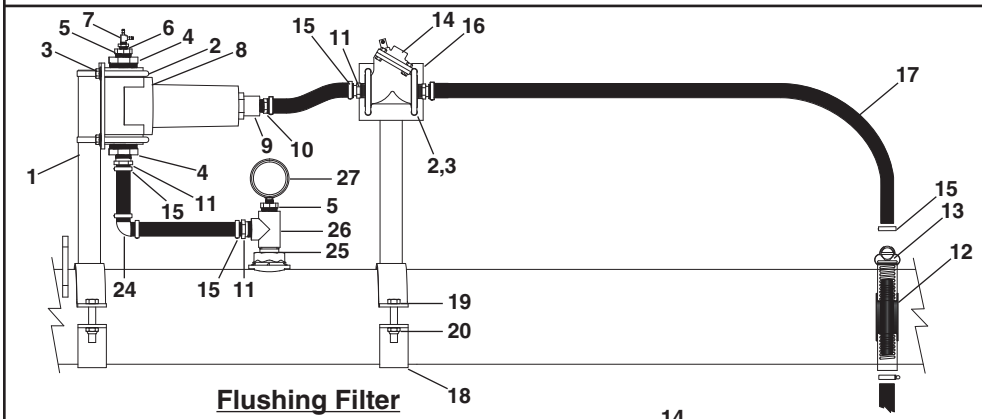
REPAIR PARTS KITS	
DESCRIPTION	PART #
TUBE FITTING	0232361
DIAPHRAGM SEALS	0232494
INTERNAL PARTS	0232572

SERVICE TOOLS	
DESCRIPTION	PART #
PLASTIC GUIDE SHAFT TOOL	0232571
METAL GUIDE SHAFT TOOL	0232573

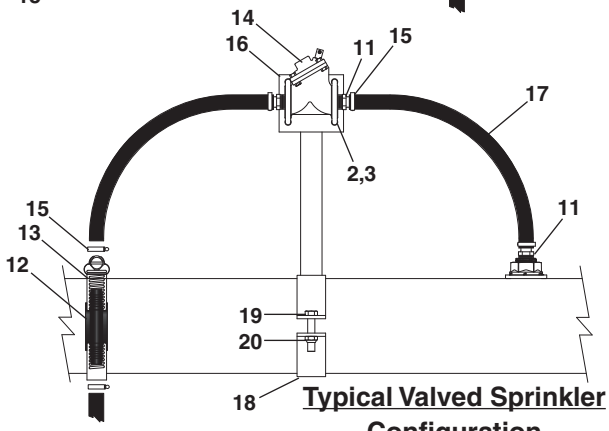
3/4" Aquamatic Valve - Normally Open w/o Drain.....0232482

3/4" Aquamatic Plastic Internal Parts Repair Kit - DISCONTINUED Nov 2015 0232508

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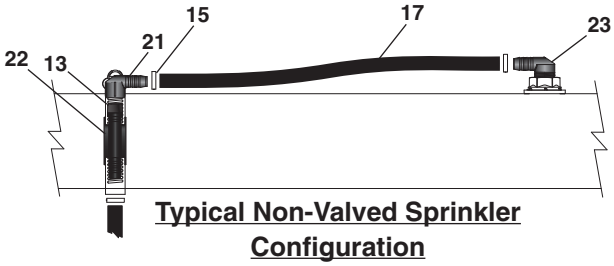


Flushing Filter Configuration

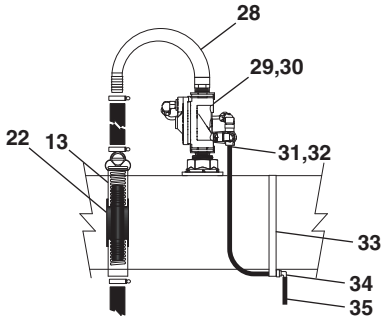


Typical Valved Sprinkler Configuration

ITEM	DESCRIPTION	PART #
1	Filter Mount Assm.	9363576
2	3/8" U-Bolt	0176054
3	3/8" Flange Nut	0134055
4	1-1/2" x 3/4" Reducer Bushing	0244044
5	3/4" x 1/4" Reducer Bushing	0244046
6	1/4" x 1/8" Reducer	0244083
7	1/8" NPT x 1/4" x 1/4" Tee Fitting	0232367
8	Filter	0311013
9	Bulkhead Fitting	1750640
10	1/2" MNPT x 3/4" Insert Fitting	0271089
11	3/4" MNPT x 3/4" Hose Barb	0271077
12	3/4" Hose Barb Connector	9360365
13	Screw Clamp	0271087
14	3/4" Aquamatic Valve N.O. - w/o Drain	0232482
15	1-1/4" Hose Clamp	0271084
16	Valve Mount - 6-5/8"	9363165
17	3/4" Hose (250' Roll)	0272033
18	Half Clamp - 6-5/8" (2-Bolt)	1720290
19	1/2" x 2-1/2" Cap Screw	0161023
20	1/2" Lock Nut	0133005
21	3/4" FMPT x 3/4" Elbow Fitting	0271104
22	3/4" NPT x 3/4" Hose Connector	9360956
23	3/4" MNPT x 3/4" Insert - 90°	0271123
24	3/4" Insert x 3/4" Insert	0241101
25	3/4" NPT Nipple	0211157
26	3/4" FNPT Tee	0242053
27	Pressure Gauge - 0-100 psi	0232501
28	U-Pipe - 3/4" MNPT x 3/4" Hose Barb-Plastic	0246222
29	Bermad Valve	03E4326
30	Nipple - 3/4" NPT x 2"	0211014
31	Tube Connector - 1/4" NPT x 1/4"	0232366



Typical Non-Valved Sprinkler Configuration

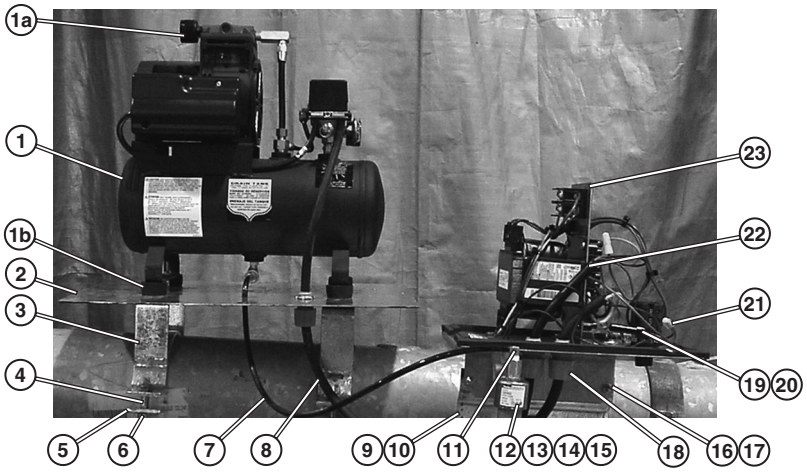


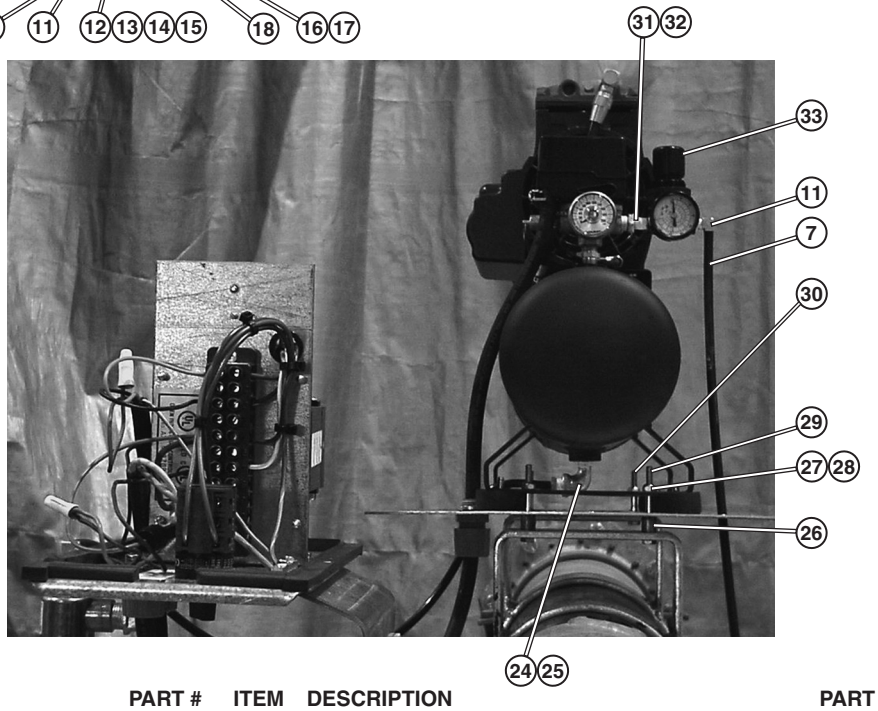
Hose Drop and Valve Drain Configuration

FOR UNIFORM CORNER ONLY

ITEM	DESCRIPTION	PART #
32	Oetiker Crimp Clamp - Tube Harness	0271115
33	Clamp - 8" Pipe	0271024
34	1/4" x 90° Elbow	0270003
35	Nylon Tubing - .304" OD x .179 ID x 42' Long	9362393

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NOTE: Install Oetiker Clamps (Item 41 - 0271115) on all Air Compressor connections and all connections from Tubing Harness to Solenoid Valve Box.

ITEM	DESCRIPTION	PART #
1	Air Compressor - 1/2 hp	0991624
1a	Filter	N/A
1b	Rubber Feet	N/A
2	Air Compressor Base Plate	1704045
3	Clamp Top Half - 6-5/8"	1704043
4	1/2" x 2-1/2" Cap Screw	0161023*
5	Clamp Bottom Half - 6-5/8"	1720290
6	1/2" Lock Nut	0133005*
7	1/4" Tube - 30' Long	1740101*
8	3 Cond. 14 Ga. Cable - 4' Long	9310863*
9	Half Clamp - 6-5/8"	1700622
10	Control Box Clamp - 6-5/8"	1703189
11	1/8" NPT x 1/4" Tube Elbow	0232361*
12	Solenoid	0232452*
13	1/2" Rigid Conduit Nipple	0244037*
14	Conduit Washer	0142075*
15	Conduit Bushing - 1/2"	0241057*
16	5/16" x 1" Cap Screw	0161052*
17	5/16" Lock Nut	0133007*
18	Strain Relief Hub	0314119*
19	In-Line Fuse Holder	03E2451*
20	1/2 Amp 250V Fuse	0315180*
21	Scotchlok Connector	0314151*
22	4 Cond. 14 Ga. Cable - 13' - 4" Long	1811455*

ITEM	DESCRIPTION	PART #
23	Transformer Tower Box Assm.	1704046
24	1/4" Street Elbow	0241032*
25	1/4" NPT x 1/4" Tube Fitting	0232366*
26	Bushing	1800207*
27	1/4" Lock Washer	0141009*
28	1/4" Hex Nut	0131020*
29	1/4" x 2-1/2" Cap Screw	0161054*
30	1/4" x 2" Cap Screw	0161055*
31	1/4" x 1/8" Reducer	0244024*
32	1/8" x 3/4" Nipple	0211037*
33	Miniature Air Regulator	0996662*
34	1/4" Tube Tee (NOT SHOWN)	0270002*
35	Air Compressor Cover (NOT SHOWN)	1260006
36	1/4" x 3/4" Cap Screw (NOT SHOWN)	0161057*
37	Tower Box Cover UL (NOT SHOWN)	9311146
38	Clamp Spacer - 6" (NOT SHOWN)	1701025
39	Wire Tye (NOT SHOWN)	0314225*
40	Field Install Air Compressor Sprinkler Control	1704047
41	Crimp Clamp - Oetiker (see Note above)	0271115*
	*Air Compressor Hardware Kit	KA01337
	COMPLETE Air Compressor Spk. Cntrl. Pkg. - 6-5/8" Pipe	0000F49
	COMPLETE Air Compressor Spk. Cntrl. Pkg. - 6" Pipe	0000F50

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DualSpan CORNER

Effective 2/12

Description	Rev. #	Pg. #
CORNER SPANS & OVERHANG		
Corner Spans & Overhang Overall	02-12	3-5
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Truss Angle Packages	02-12	3-7
Pipe/Truss Rod Locations	02-12	3-8
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Sprinkler Coupling Location Details	02-12	3-10
Assembly Details	02-12	3-11
Overhang Overall	02-12	3-12
36'[10.97m] Overhang	02-13	3-13
Sign Mounting	07-18	3-14
CONNECTING SPAN END AT LRDU		
Connecting Span End at LRDU	02-12	3-17
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CORNER LINEAR SPAN SAFETY

Corner Linear Span Safety 11-18 3-49
Side Load Safety Sensor Box 12-14 3-50

TUBING HARNESSES & SPRINKLER CONTROLS

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13 Valve Solenoid Box/Filter/Solenoids 02-12 3-54
13 Valve Solenoid Box 12-17 3-55
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3/4” Aquamatic Normally Open With Drain 12-15 3-57
End Gun Plumbing 12-15 3-58
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Control Panel 11-17 3-64
Electrical Cable Routing 01-13 3-65
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Run Cycle Box 12-14 3-67
Antennas 08-16 3-68
Cable Safety Box 12-14 3-69
Booster Pump Box - with Solenoid 10-18 3-70
Last Tower Box 10-18 3-71
Running Light 02-19 3-72

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Corner Spans & Overhangs

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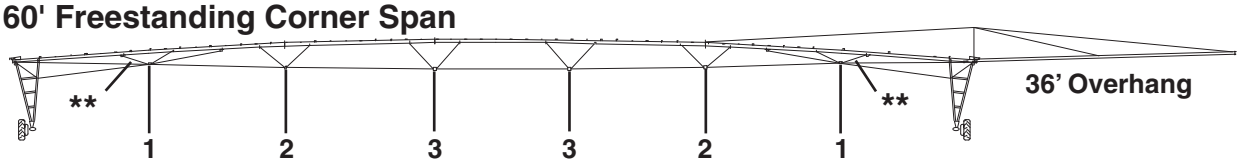
Corner Spans & Overhang Overall



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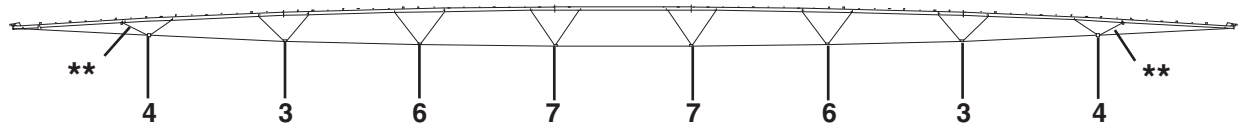
401’ DualSpan Corner

160' Freestanding Corner Span



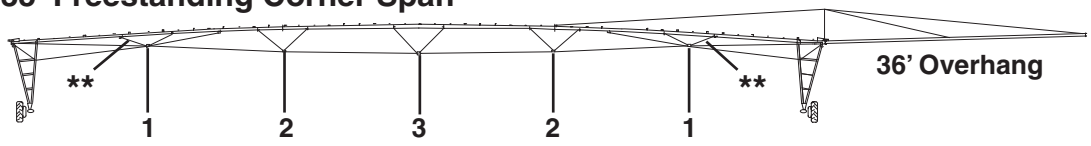
to LRDU

205' Connecting Span



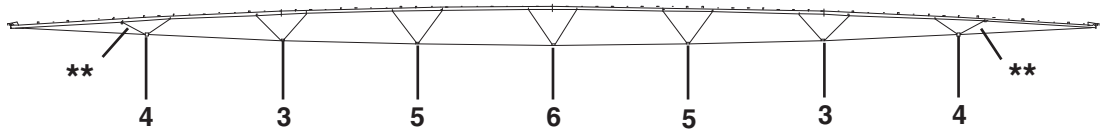
351’ DualSpan Corner

135' Freestanding Corner Span



to LRDU

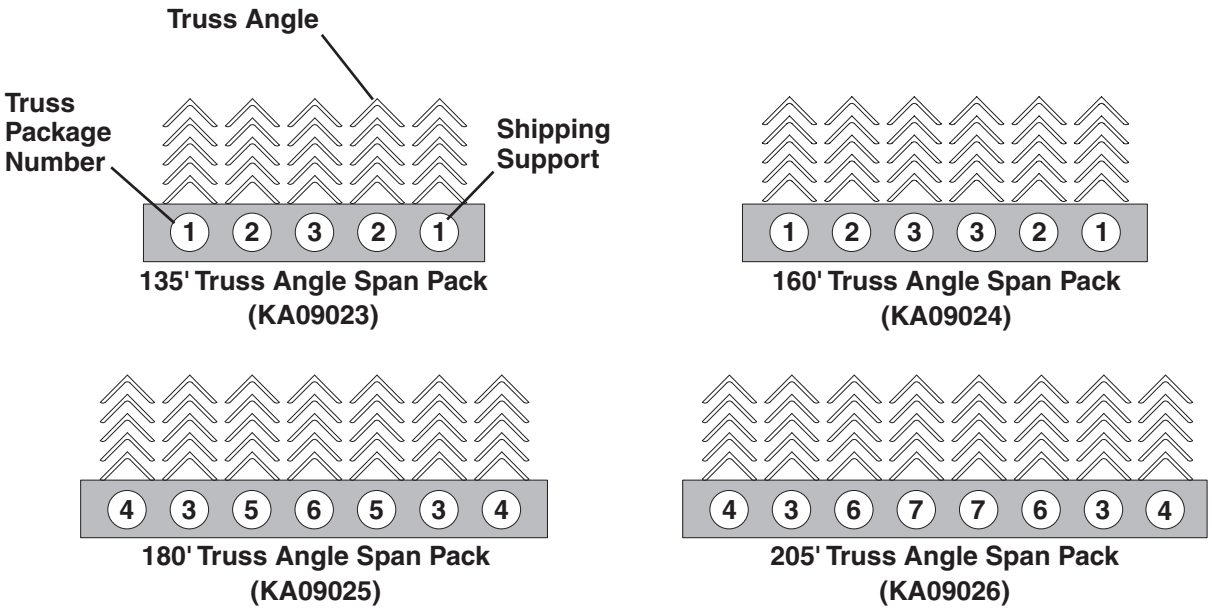
180' Connecting Span



** 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



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

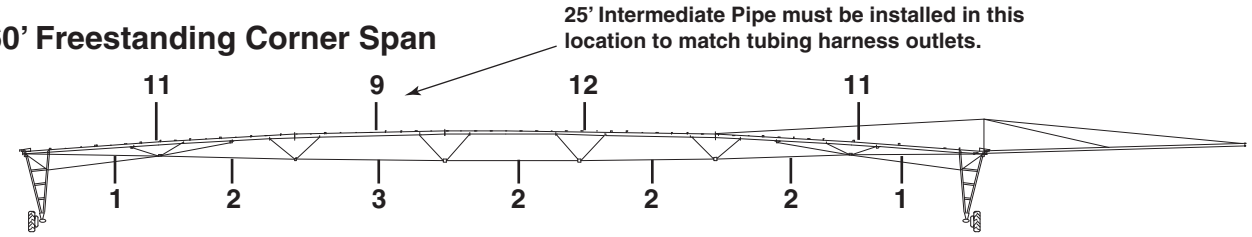
TRUSS PKG #	DIAGONAL		SPREADER	
	Part #	Overall Length	Part #	Overall Length
1	9360046**	58.42"	9360047	44.69"
	9360073	55.38"	-	-
2	9360048	72.97"	9360049	76.44"
3	9360050	82.78"	9360051	92.69"
4	9360052**	61.68"	9360053	52.25"
	9360074	58.81"	-	-
5	9360054	97.25"	9360055	115.03"
6	9360056	102.56"	9360057	122.94"
7	9360058	112.09"	9360059	136.84"

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

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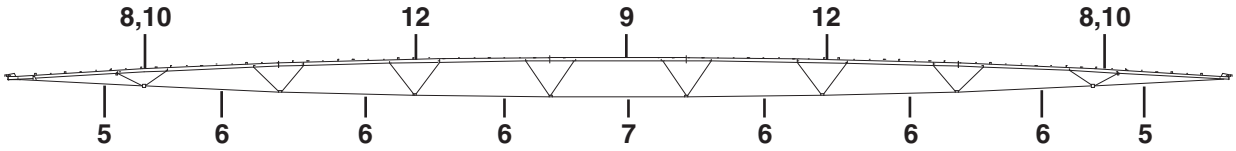
401’ DualSpan Corner

160’ Freestanding Corner Span



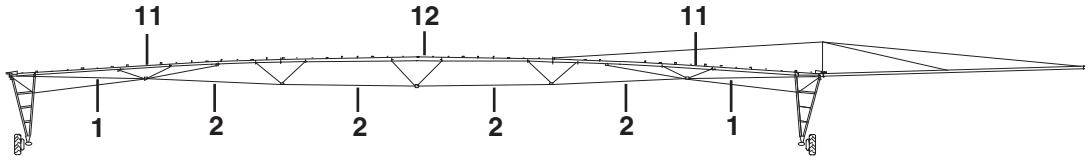
to LRDU

205' Connecting Span



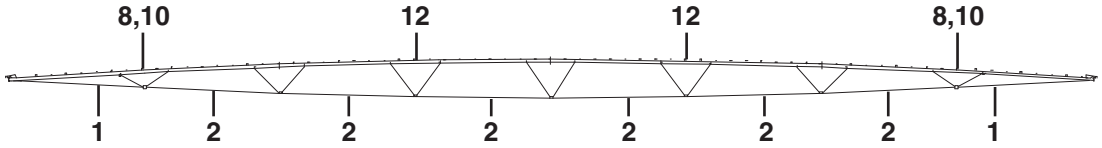
351’ DualSpan Corner

135’ Freestanding Corner Span

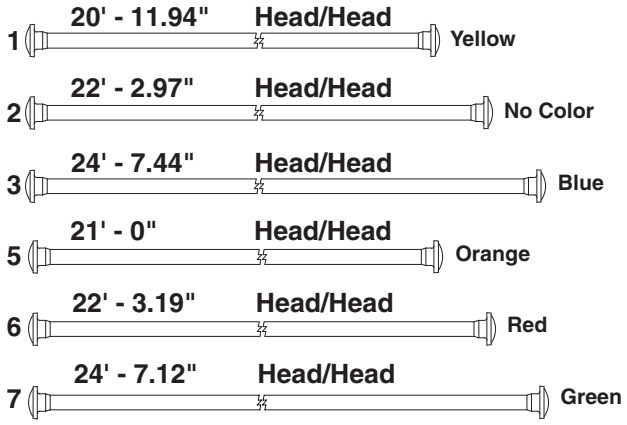


to LRDU

180' Connecting Span



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9360060 - 3/4" Tower

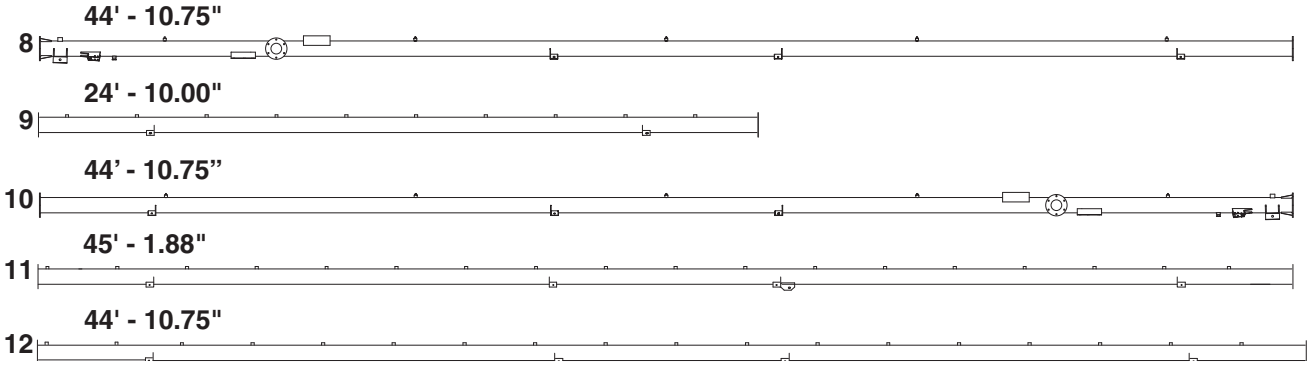
9360061 - 3/4" Standard Intermediate

9360062 - 3/4" Intermediate

9360064 - 13/16" Tower

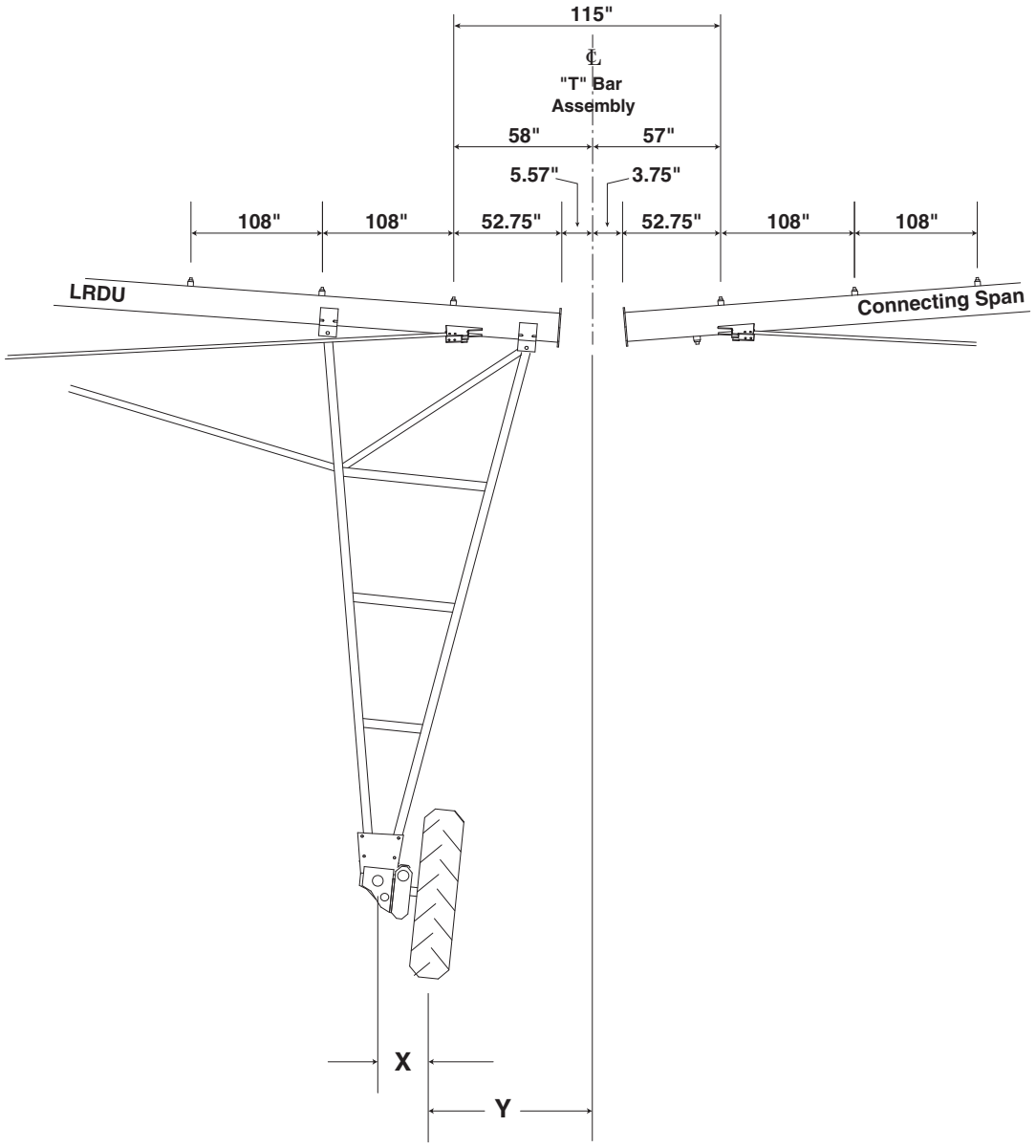
9360065 - 13/16" Standard Intermediate

9360066 - 13/16" Intermediate



ITEM	8	9	10	11	12
DESCRIPTION	Standard Inlet	25' Inter.	Inverted Inlet	Last	45' Inter.
108" SPACING					
Galvanized	1750986	9360004	1751044	1750996	9360008

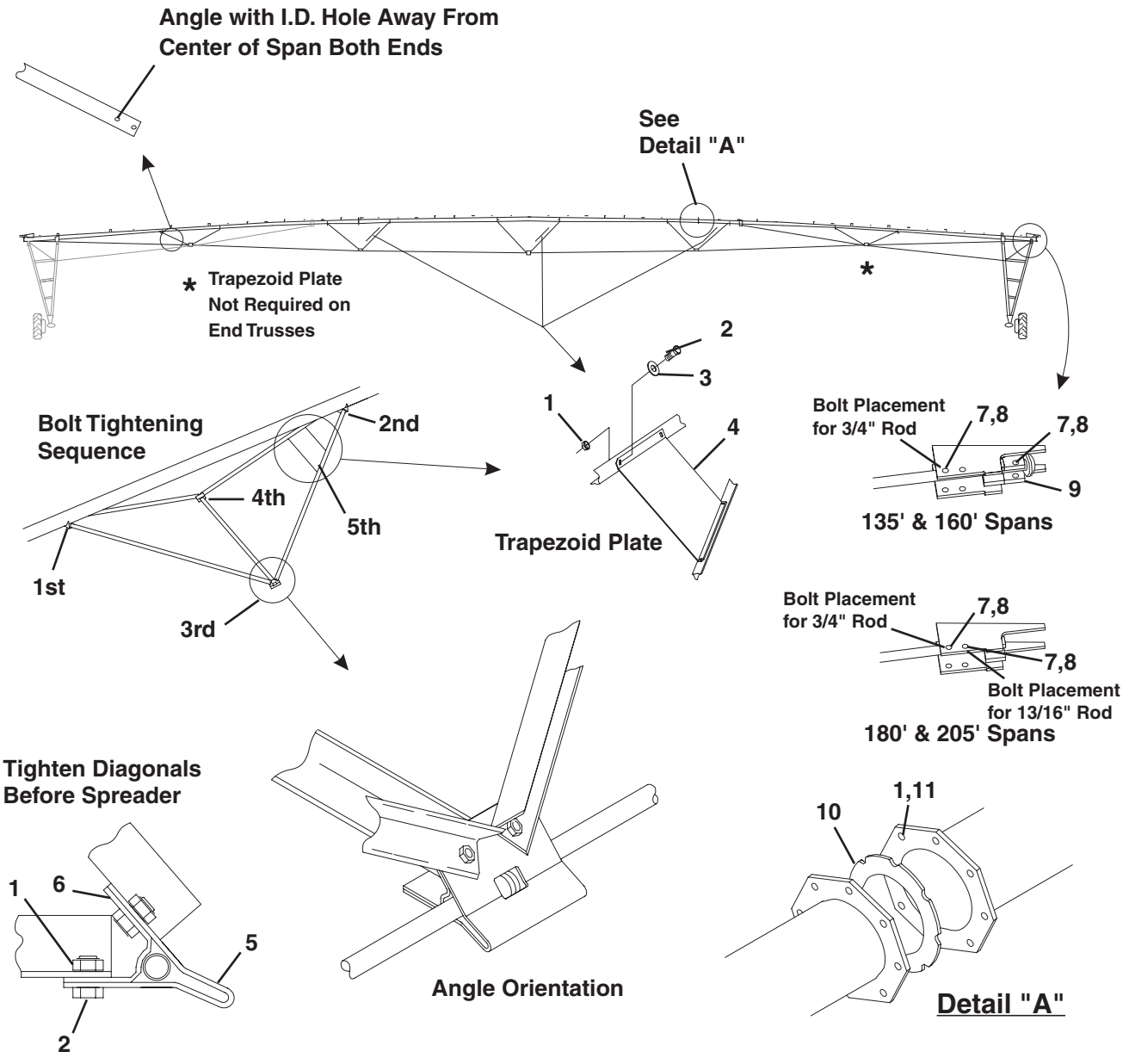
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TIRE	X	Y
14.9 x 24	13.6"	29.0"
16.9 x 24	15.0"	27.6"

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

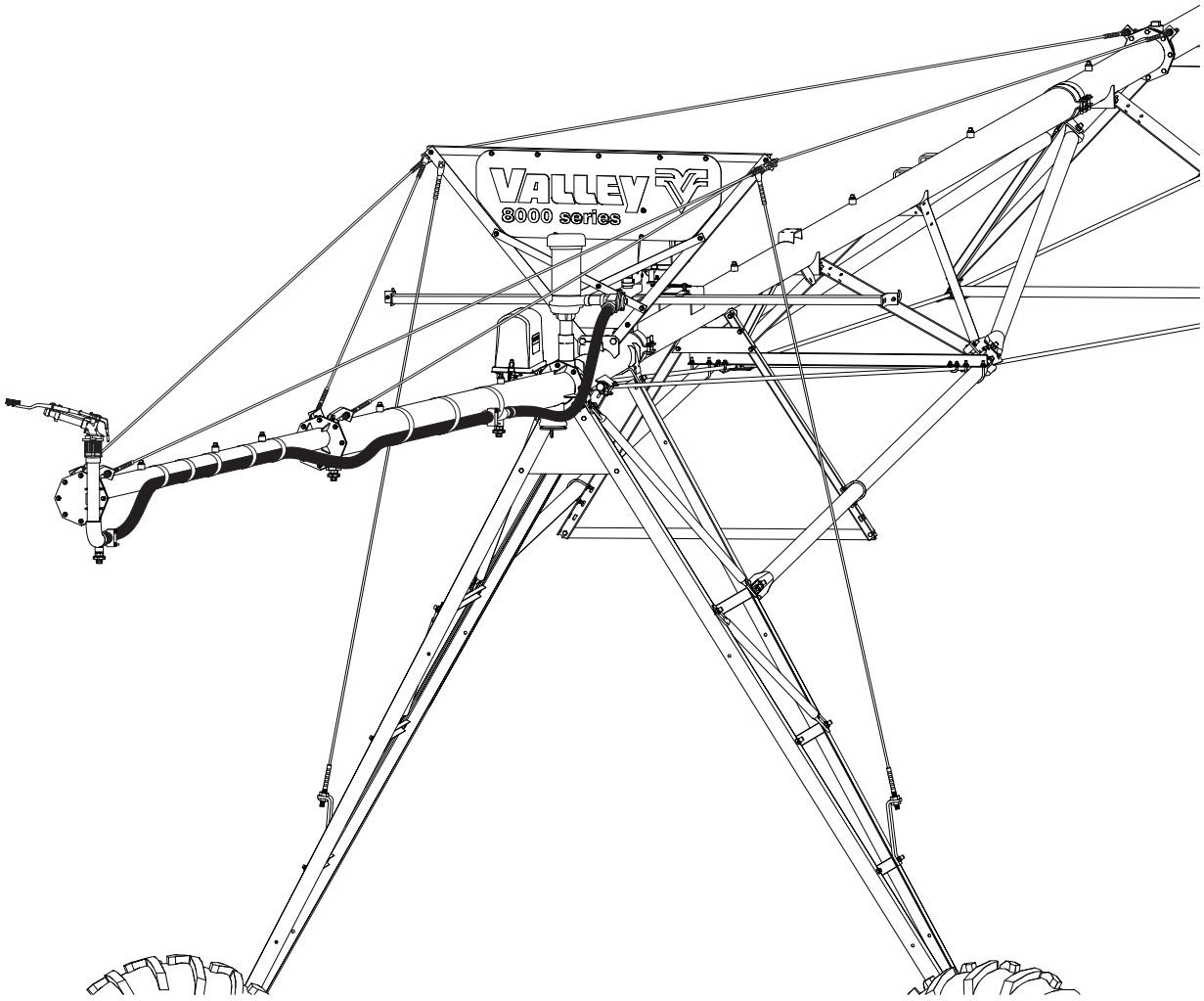
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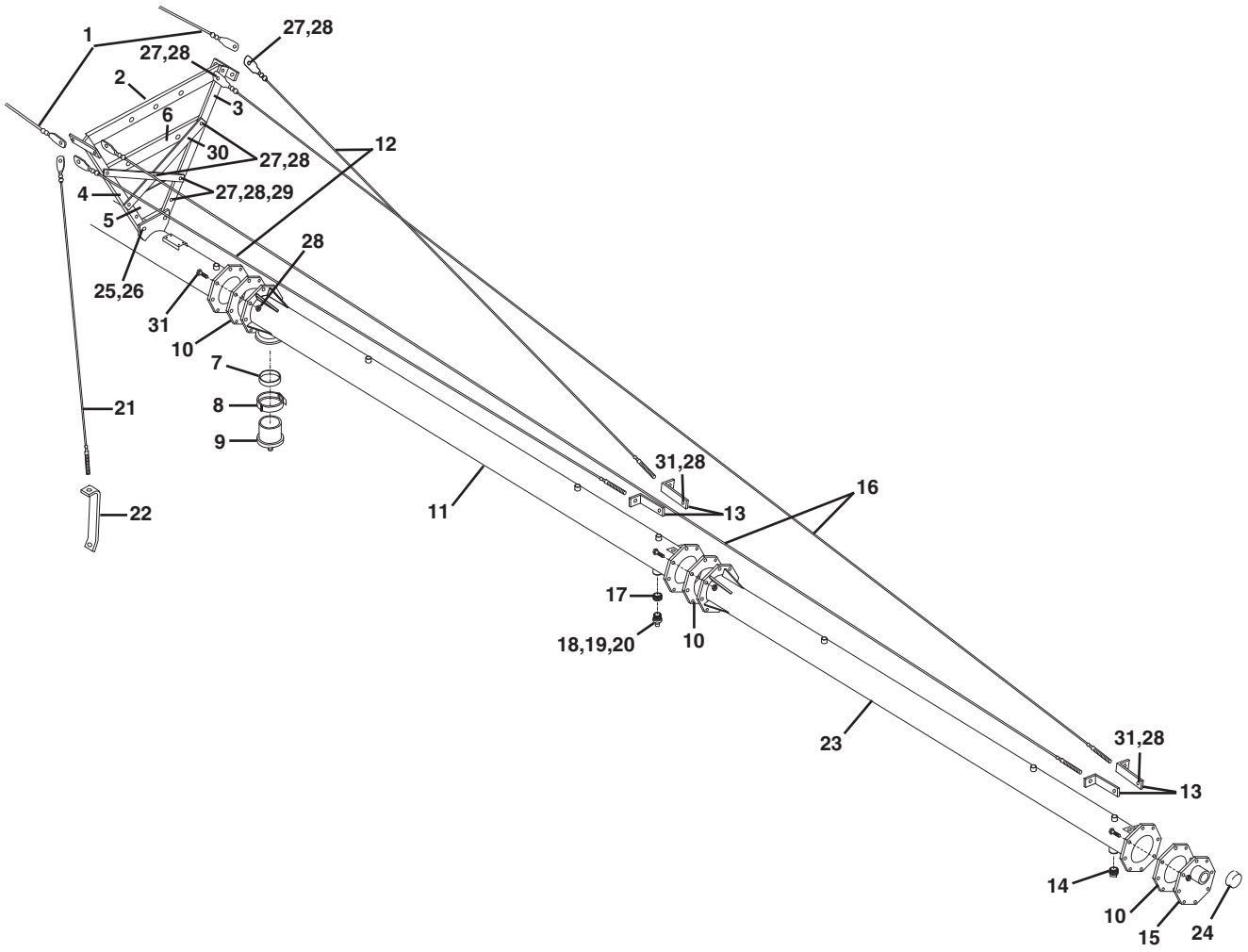
ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/4" Cap Screw	0161027
3	1/2" Flat Washer	0142025
4	Trapezoid Plate	9360068
5	Outer Socket	9360069
6	Inner Socket	9360070
7	3/8" Lock Nut	0133006
8	3/8" x 3" Cap Screw	0161037
9	Truss Rod Spacer	9360080
10	6-5/8" Gasket	0991107
11	1/2" x 2" Cap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

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Overhang Overall



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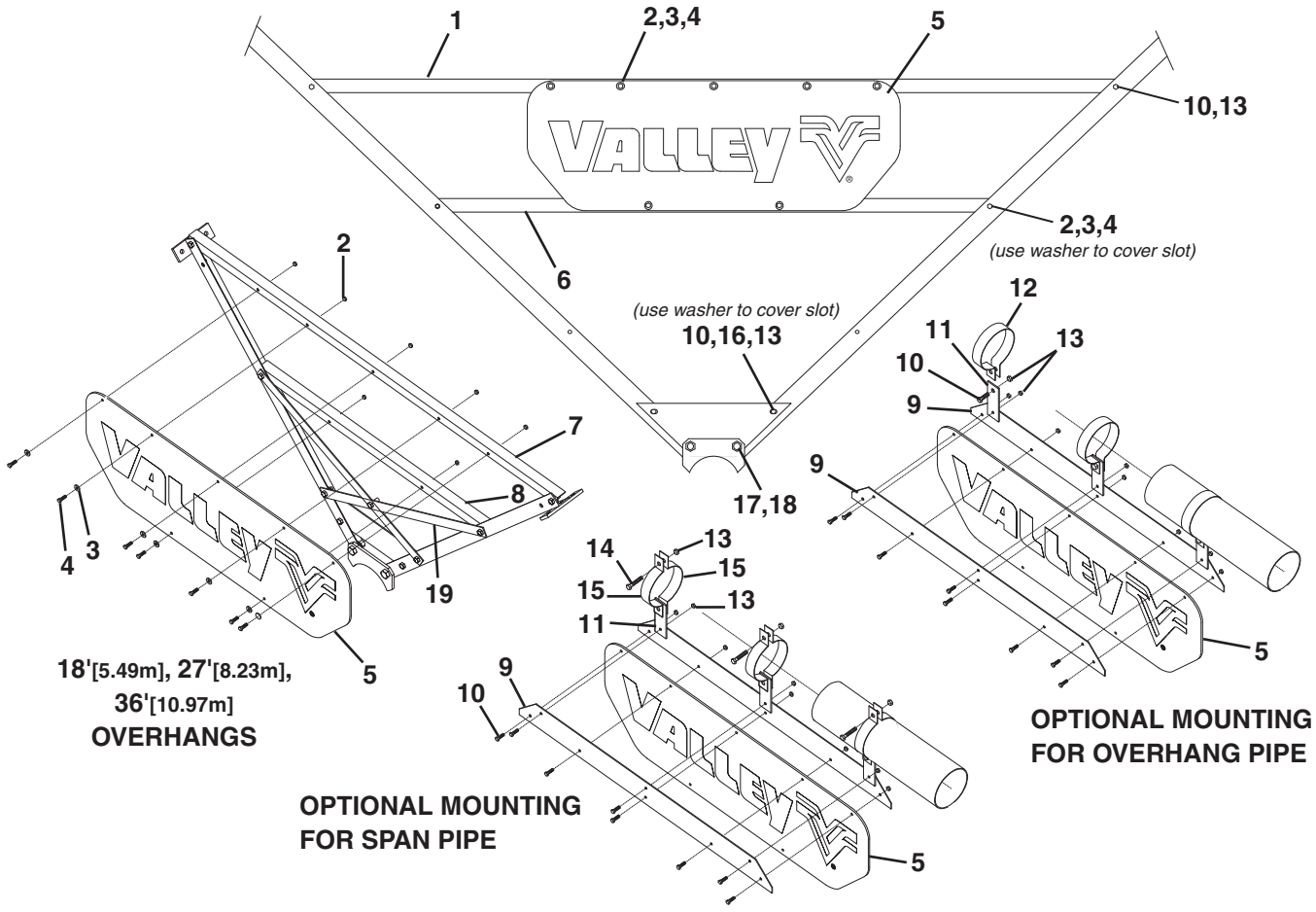


ITEM	DESCRIPTION	PART #
1	Back Cable - 9/32"	9362398
2	Sign Support-Upper	9360228
3	R.H. Overhang Truss	9360045
4	L.H. Overhang Truss	9360044
5	Gusset	1701641
6	Sign Support-Lower	9360227
7	4" Pierce Coupling Gasket	0221010
8	Circle Lock Ring	0992084
9	Pipeline Drain	1702117
10	6-5/8" Flat Gasket	0992211
11	18' - 6-5/8" Dia. O.H. Pipe 108" Spac.	9360643
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

ITEM	DESCRIPTION	PART #
18	Upper Drain Body	0246170
19	Drain Seal	0232568
20	Lower Drain Body	0232004
21	Down Cable - Standard Profile	9363790
22	Cable Support Bracket - Standard Profile	9360196
23	18' - 4" Dia. O.H. Pipe 108" Spacing	9360647
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 (Items 2,3,4,5,6)	KA01187

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



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

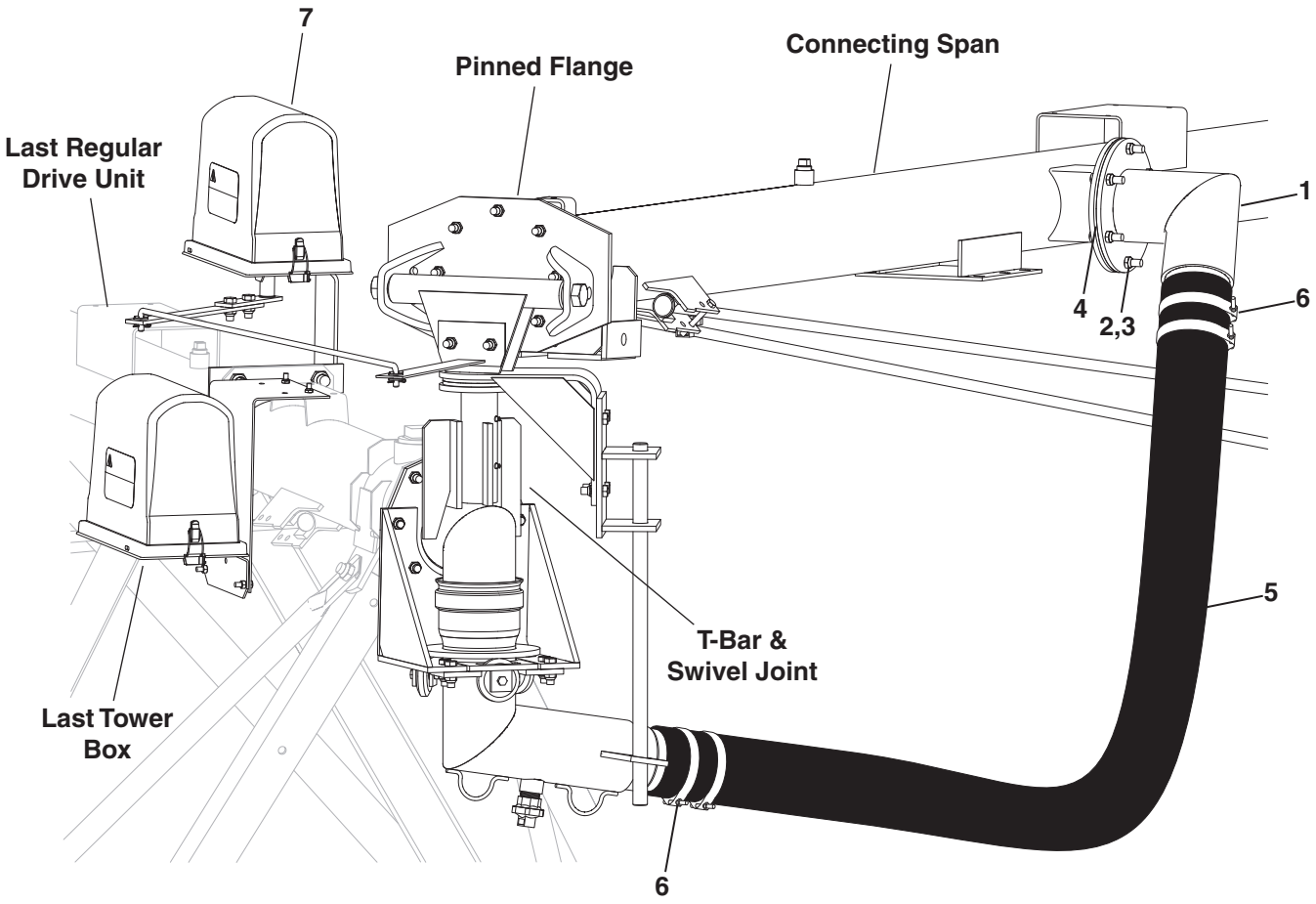
***Shipped as a straight strip that must be formed around the pipeline.**

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Connecting Span End at LRDU

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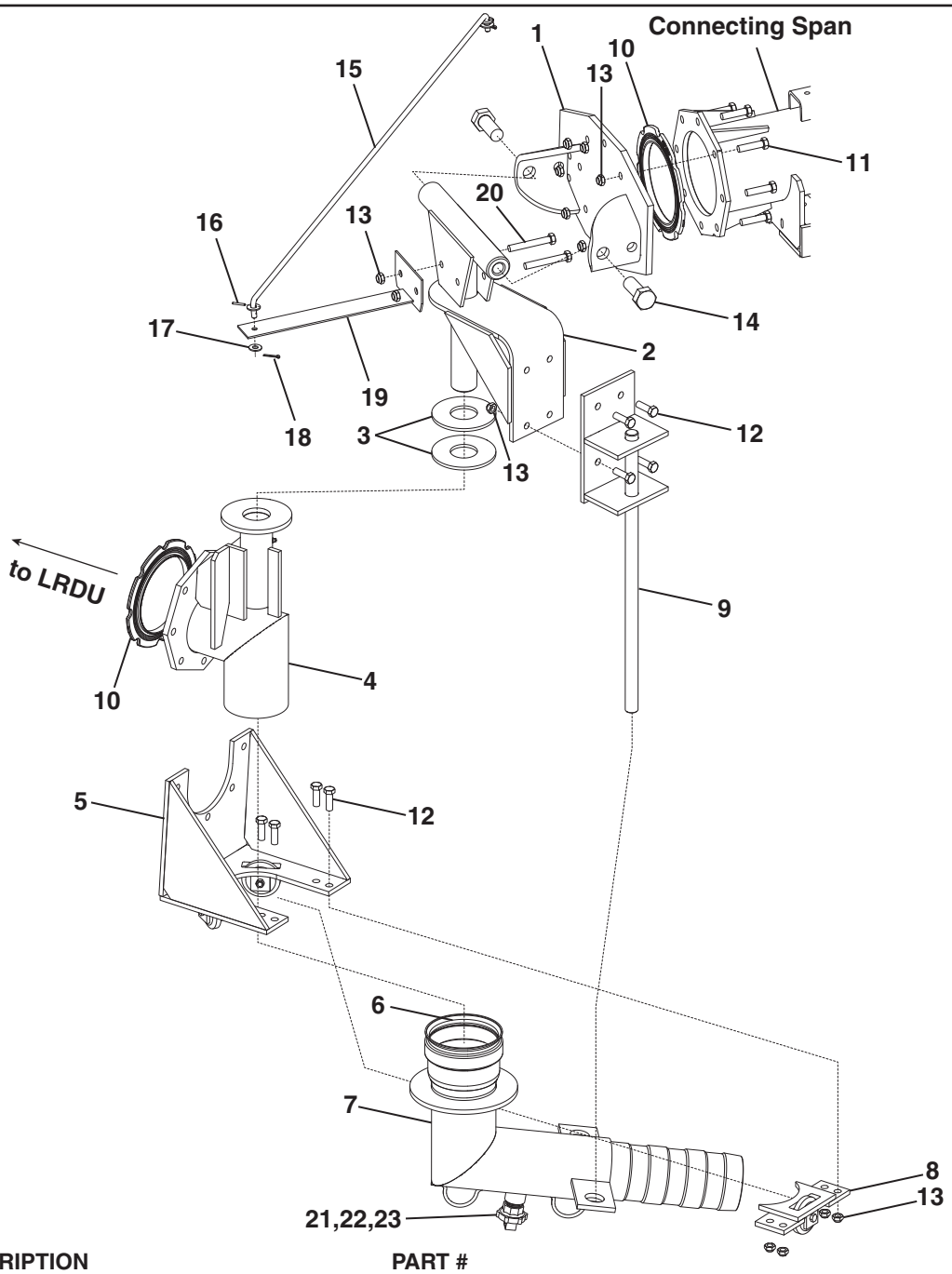


ITEM	DESCRIPTION	PART #
1	Inlet Hose Barb	1751003
2	1/2” x 2” Cap Screw	0161024
3	1/2” Lock Nut	0133005
4	6” Pipe Gasket	0991016 *
5	Hose - 4-1/2” I.D. x 117” Long	0272010
6	Flex Joint Clamp	0270001 *
7	LRDU Angle Sensor Box Assm	1815007

* Swivel Inlet Hardware & Components Kit KA09573
(other items in this kit listed on next page)

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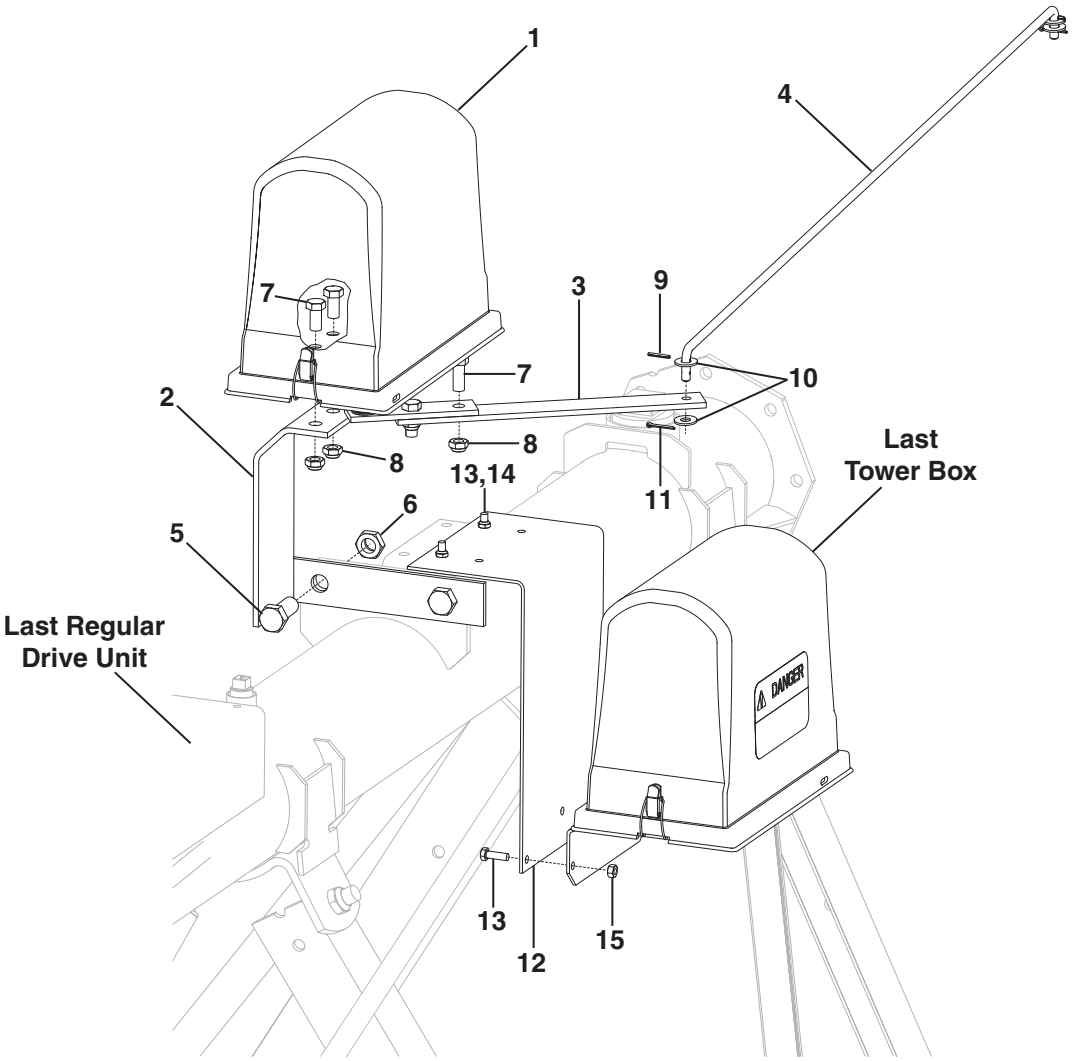
Functional Area	Assembly / Part	Rev# 09-15
Connecting Span End at LRDU	Pinned Flange, T-Bar and Swivel Joint	



ITEM	DESCRIPTION	PART #	
1	Pinned Flange	1750960	
2	T-Bar Assm.	1750966	
	T-Bar Assm. - Inverted	1751043	
3	Plastic Bearing	0996572	*
4	Upper Swivel Joint	1750958	
5	Lower Swivel	1751020	
6	5" Western Gasket	0221014	*
7	Lower Swivel Joint	1750973	
8	Swivel Keeper	1750605	
9	Guide Pin Assm.	1750970	
10	6-5/8" Pipe Gasket	0991107	
11	1/2" x 2" Cap Screw	0161024	
12	1/2" x 1-1/2" Cap Screw	0161026	*
13	1/2" Lock Nut	0133005	

ITEM	DESCRIPTION	PART #	
14	1" x 2-1/2" Cap Screw	0161422	*
15	Angle Sensor Rod	1750985	
16	1/8" Roll Pin	0111024	
17	3/8" Flat Washer	0142031	
18	1/8" x 1" Cotter Pin	0151012	
19	Angle Sensor Arm	1750984	
20	1/2" x 3-1/2" Cap Screw	0161060	
21	Upper Drain Body	0246170	
22	Lower Drain Body	0232004	
23	Drain Seal	0232568	
	* Swivel Inlet Hrdwre & Components Kit	KA09573	
	(other items in this kit listed on previous page)		

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ITEM	DESCRIPTION	PART #
1	Dual Span LRDU Angle Sensor Box Assm.	1815001
2	Angle Sensor Box Mount	1750981
	Angle Sensor Box Mount - Inverted	1751045
3	Angle Sensor Plate	1751001
4	Angle Sensor Rod	1750985
5	3/4” x 1-3/4” Cap Screw	0161139
6	3/4” Lock Nut	0133011
7	1/2” x 1-1/4” Cap Screw	0161027
8	1/2” Lock Nut	0133005
9	1/8” Roll Pin	0111024 *
10	3/8” Flat Washer	0142031 *
11	1/8” x 1” Cotter Pin	0151012 *
12	LRDU Tower Box Mount	1751024
13	5/16” x 1” Cap Screw	0161052 *
14	5/16” Lock Nut	0133007 *
15	5/16” Hex Nut	0131019

* Angle Sensor Hardware & Components Kit KA09575

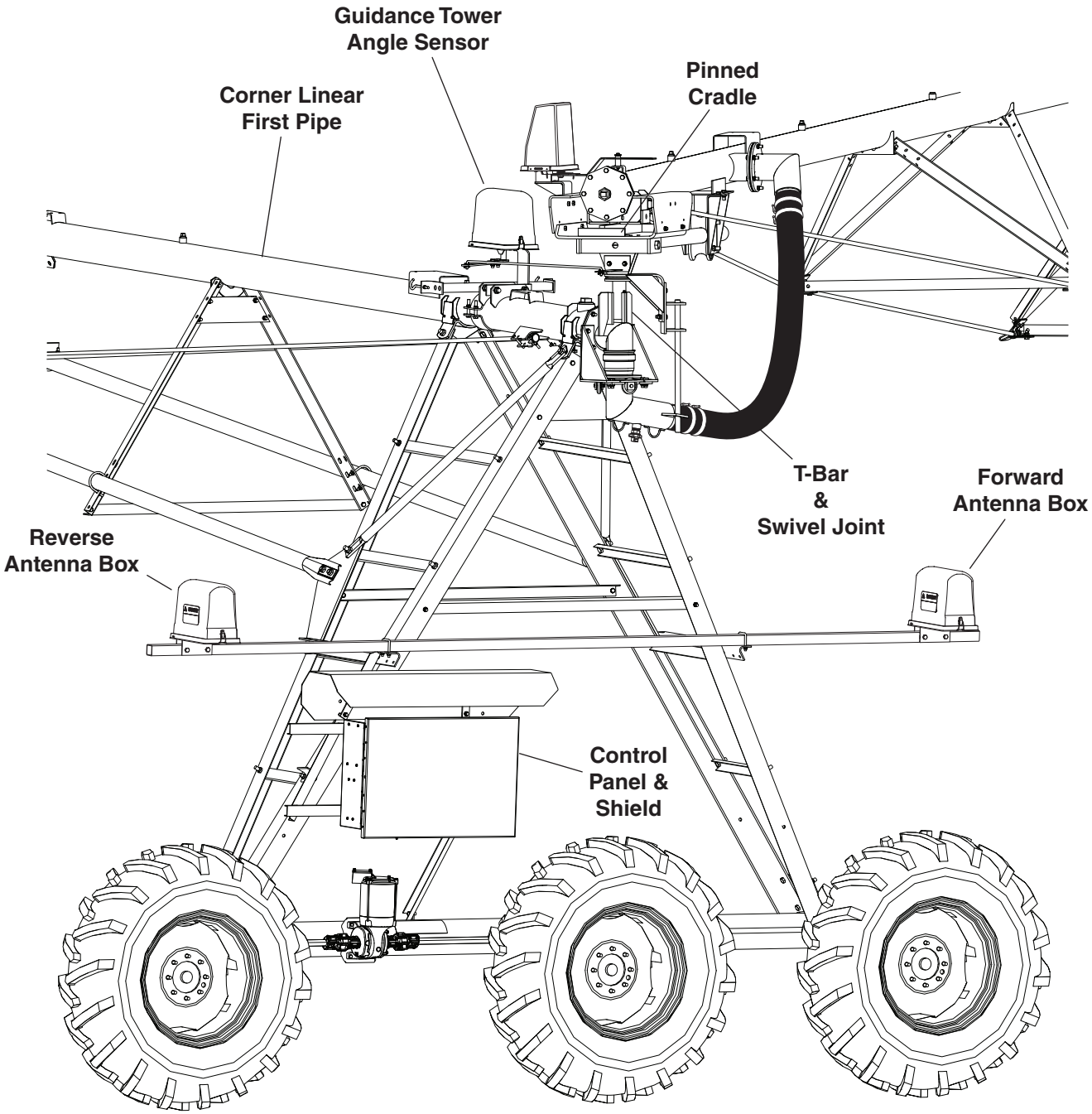
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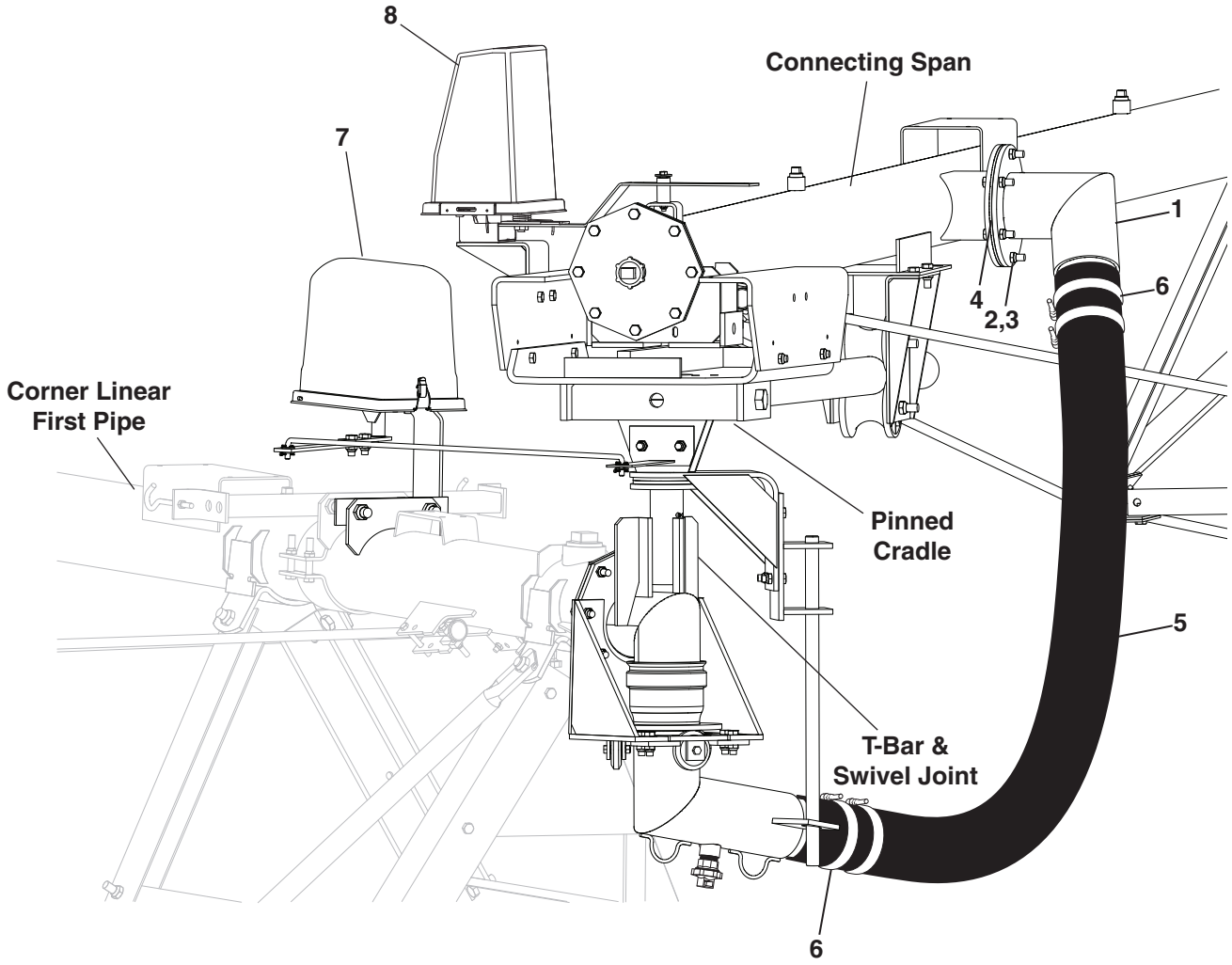
Connecting Span End at Cradle

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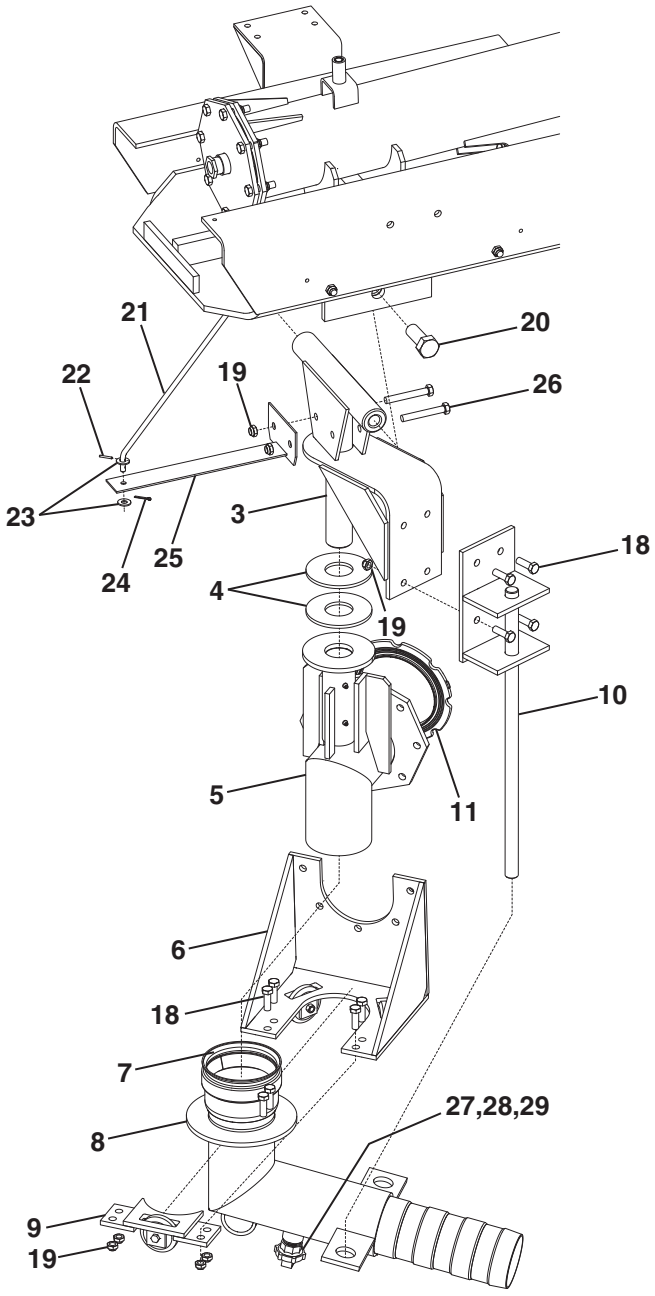
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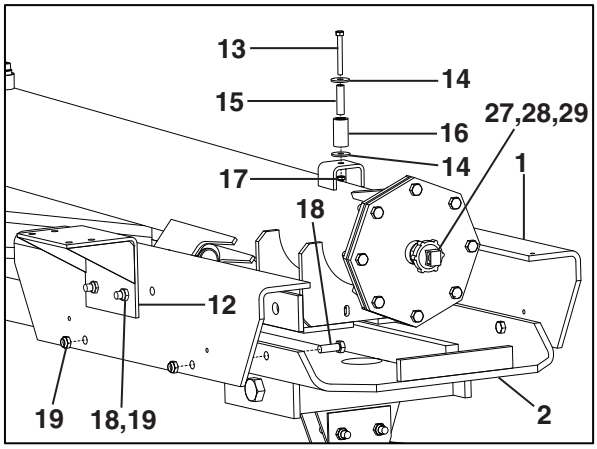


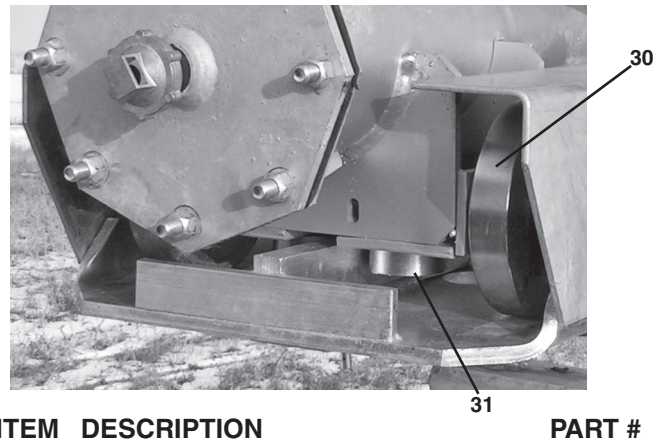
ITEM	DESCRIPTION	PART #
1	Inlet Hose Barb	1751003
2	1/2" x 2" Cap Screw	0161024
3	1/2" Lock Nut	0133005
4	6" Pipe Gasket	0991016 *
5	Hose - 4-1/2" I.D. x 117" Long	0272010
6	Flex Joint Clamp	0270001 *
7	Guidance Tower Angle Sensor Box Assm.	1815001
8	Run Cycle Box Assm.	1815002

* Swivel Inlet Hardware & Components Kit KA09573
(other items in this kit listed on next page)

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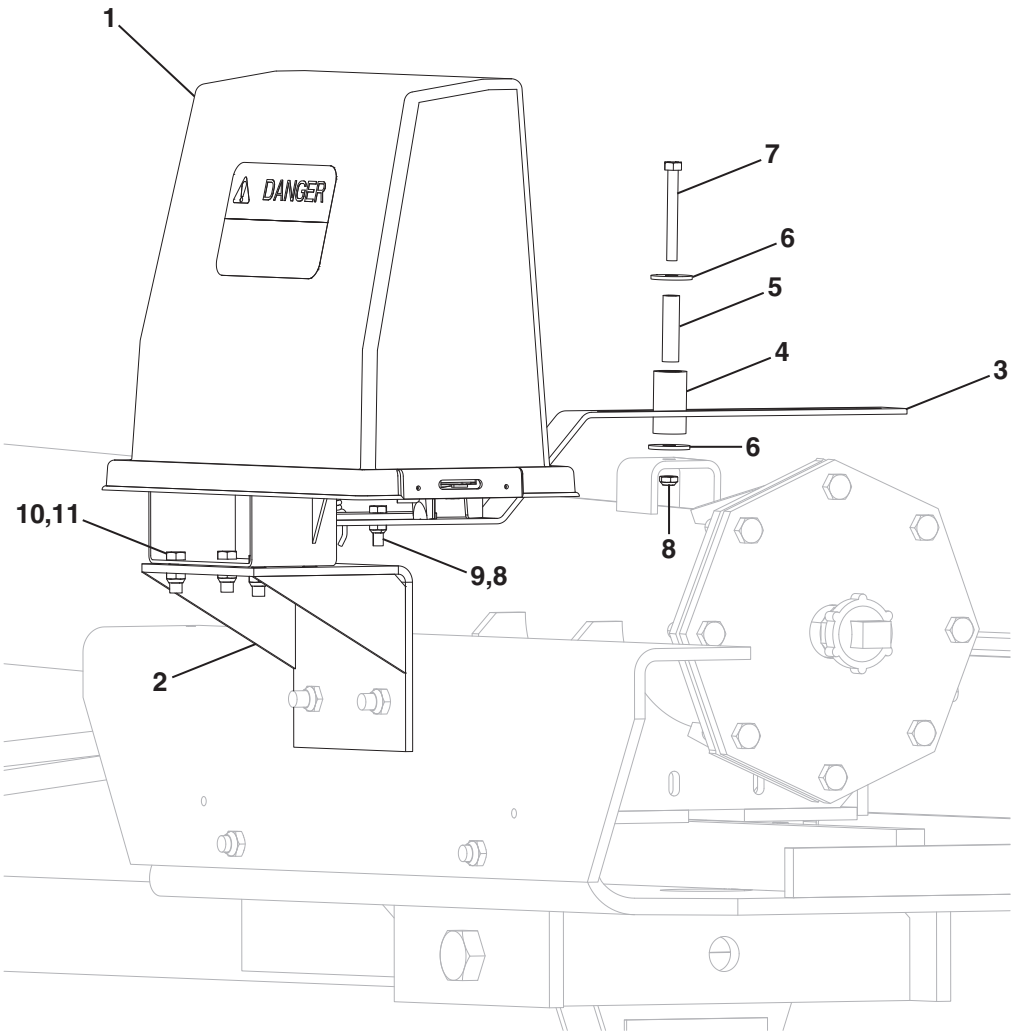




ITEM	DESCRIPTION	PART #
1	Roller Retainer	9361941
2	Pinned Cradle	1751057
3	T-Bar Assm.	1750966
	T-Bar Assm. - Inverted	1751043
4	Plastic Bearing	0996572 *
5	Upper Swivel Joint	1750958
6	Lower Swivel	1751020
7	5” Western Gasket	0221014 *
8	Lower Swivel Joint	1750973
9	Swivel Keeper	1750605
10	Guide Pin Assm.	1750970
11	6-5/8” Pipe Gasket	0991107
12	Run Cycle Box Mount	1750950
13	5/16” x 2-3/4” Cap Screw	0161330
14	5/16” x 2” Flat Washer	1750574
15	Stainless Steel Bushing	0192026
16	Roller Pivot Tube	1750184
17	5/16” Lock Nut	0133007
18	1/2” x 1-1/2” Cap Screw	0161026 *
19	1/2” Lock Nut	0133005
20	1” x 2-1/2” Cap Screw	0161422 *
21	Angle Sensor Rod	1750985
22	1/8” Roll Pin	0111024
23	3/8” Flat Washer	0142031
24	1/8” x 1” Cotter Pin	0151012
25	Angle Sensor Arm	1750984
26	1/2” x 3-1/2” Cap Screw	0161060
27	Upper Drain Body	0246170
28	Lower Drain Body	0232004
29	Drain Seal	0232568
30	Large Roller w/ Bearing	1751010
31	Guide Roller w/Bearing	1750804

* Swivel Inlet Hdwre & Components Kit.. KA09573
(other items in this kit listed on previous page)

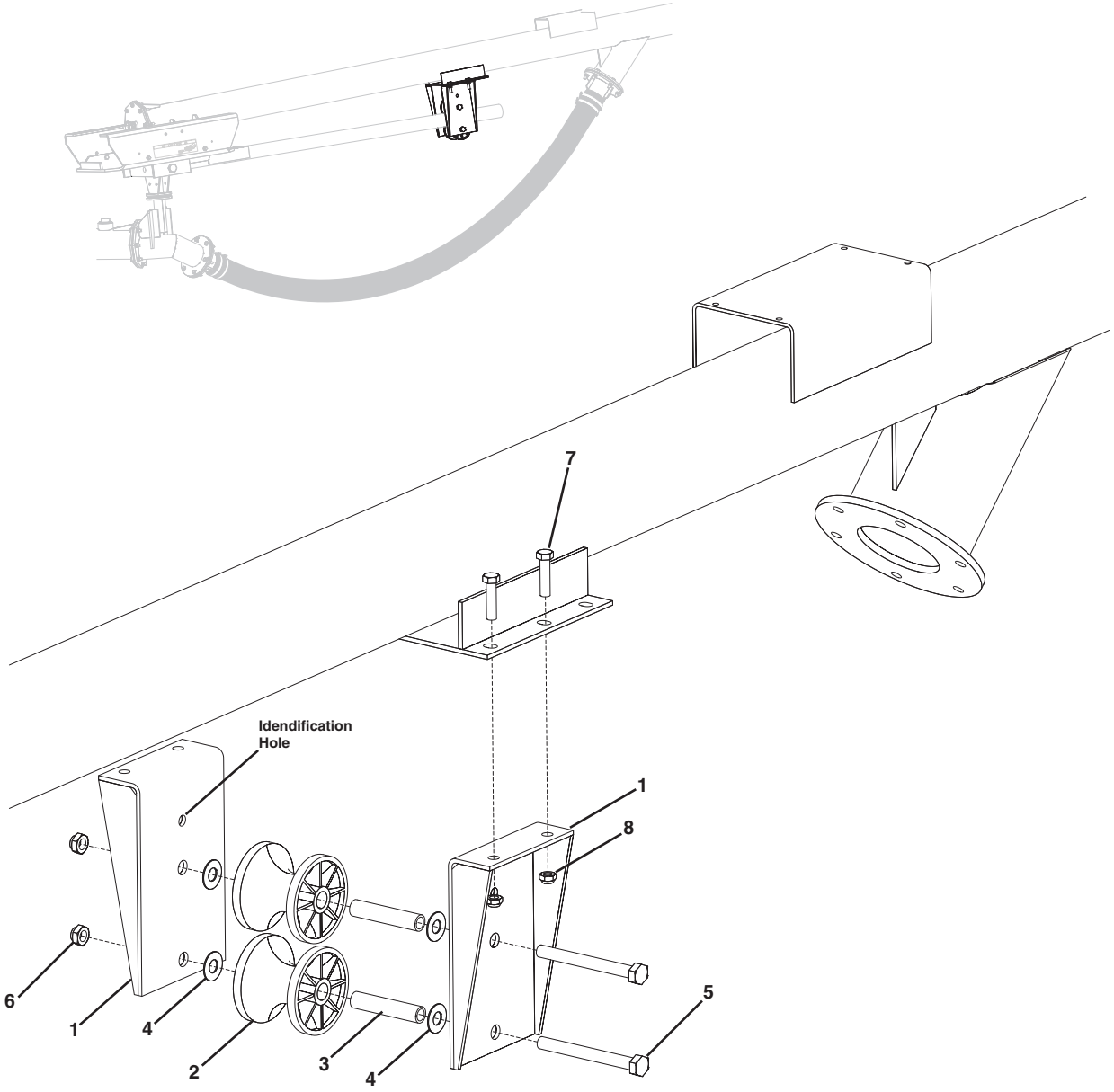
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ITEM	DESCRIPTION	PART #	
1	Dual Span Run Cycle Box Assm	1815002	
2	Run Cycle Box Mount	1750950	
3	Extended Cradle Control Bar	1751011	
4	Roller Pivot Tube	1750184	*
5	1/2” x 2” Bushing	0192026	*
6	5/16” x 2” Flat Washer	1750574	*
7	5/16” X 2-3/4” Cap Screw	0161330	*
8	5/16” Lock Nut	0133007	*
9	5/16” x 1” Cap Screw	0161052	*
10	3/8” x 1” Cap Screw	0161045	*
11	3/8” Lock Nut	0133006	*

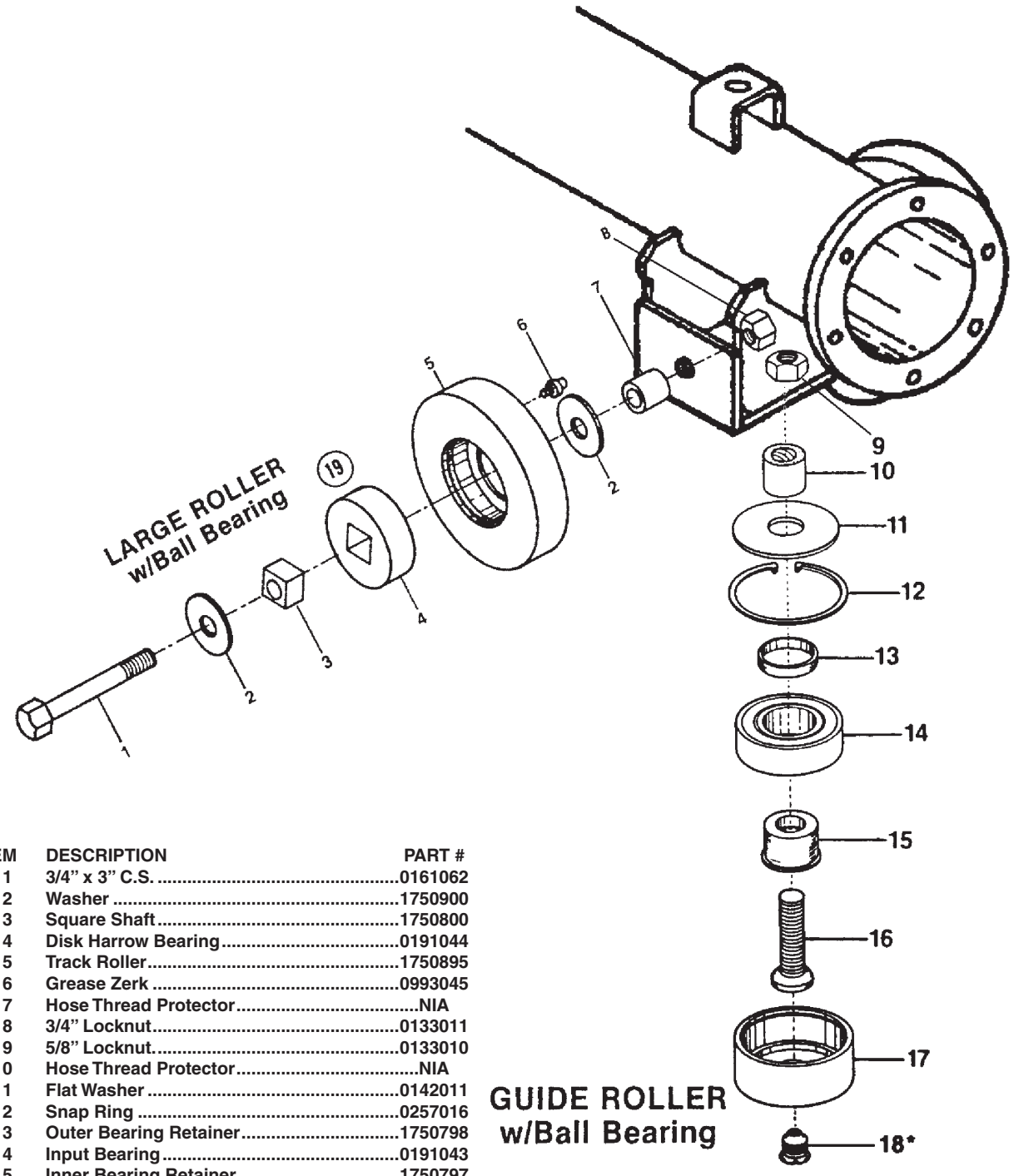
* Track & Roller Controls Hardware KA09578

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ITEM	DESCRIPTION	PART#
1	Guide Roller Brackets	1750927
2	Plastic Rollers	1750577
3	Stainless Bushings	1750580
4	5/8" Stainless Washers	0143045
5	5/8" x 6" Cap Screws	0161149
6	5/8" Lock Nut	0133010
7	1/2" x 1-1/2" Cap Screw	0161026
8	1/2" Lock Nut	0133005
	COMPLETE Guide Roller Assembly	1750928

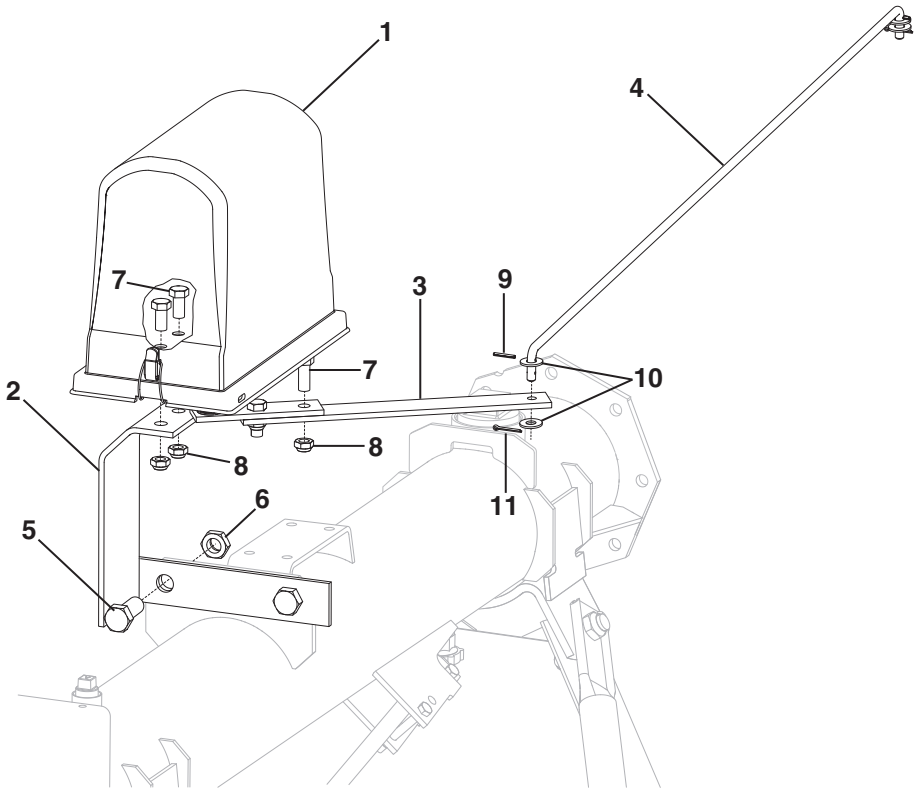
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ITEM	DESCRIPTION	PART #
1	3/4" x 3" C.S.	0161062
2	Washer	1750900
3	Square Shaft	1750800
4	Disk Harrow Bearing	0191044
5	Track Roller	1750895
6	Grease Zerk	0993045
7	Hose Thread Protector	NIA
8	3/4" Locknut	0133011
9	5/8" Locknut.	0133010
10	Hose Thread Protector	NIA
11	Flat Washer	0142011
12	Snap Ring	0257016
13	Outer Bearing Retainer	1750798
14	Input Bearing	0191043
15	Inner Bearing Retainer	1750797
16	Modified Cap Screw	1750801
17	Guide Roller	1750796
18	Grease Zerk	0991806
19	Large Roller with Ball Bearing	1750896
20	Guide Roller with Ball Bearing	1750804
	Large Roller Bearing Kit (incl. 2 ea.)	0000941
	Guide Roller Bearing Kit (incl. 2 ea.)	KA00417

***This grease zerk requires grease gun fitting 0991807.**

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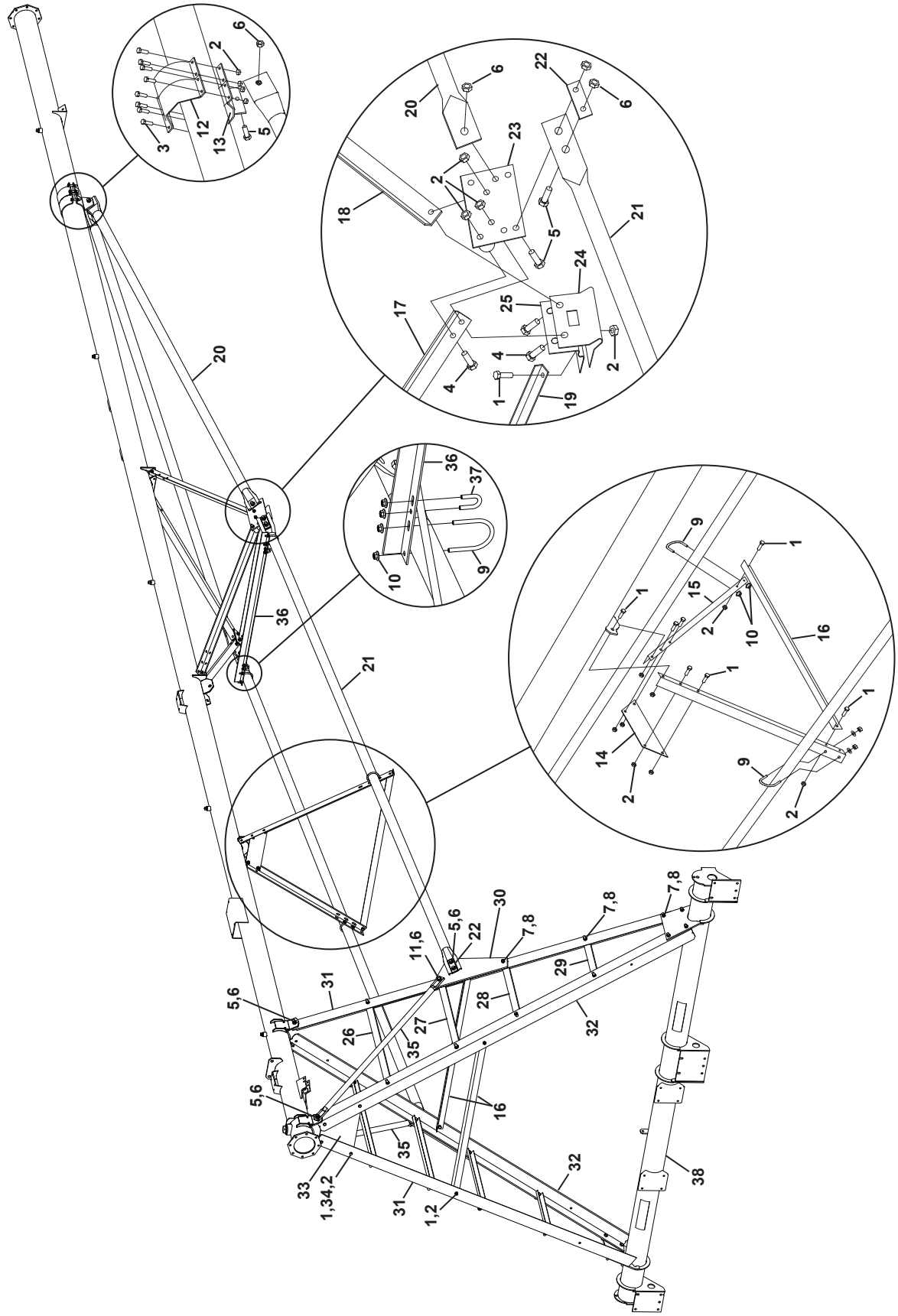
ITEM	DESCRIPTION	PART #
1	Guidance Tower Angle Sensor Box Assm.	1815007
2	Angle Sensor Box Mount	1750981
	Angle Sensor Box Mount - Inverted	1751045
3	Angle Sensor Plate	1751001
4	Angle Sensor Rod	1750985
5	3/4” x 1-3/4” Cap Screw	0161139
6	3/4” Lock Nut	0133011
7	1/2” x 1-1/4” Cap Screw	0161027
8	1/2” Lock Nut	0133005
9	1/8” Roll Pin	0111024
10	3/8” Flat Washer	0142031
11	1/8” x 1” Cotter Pin	0151012

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Corner Linear Drive Units

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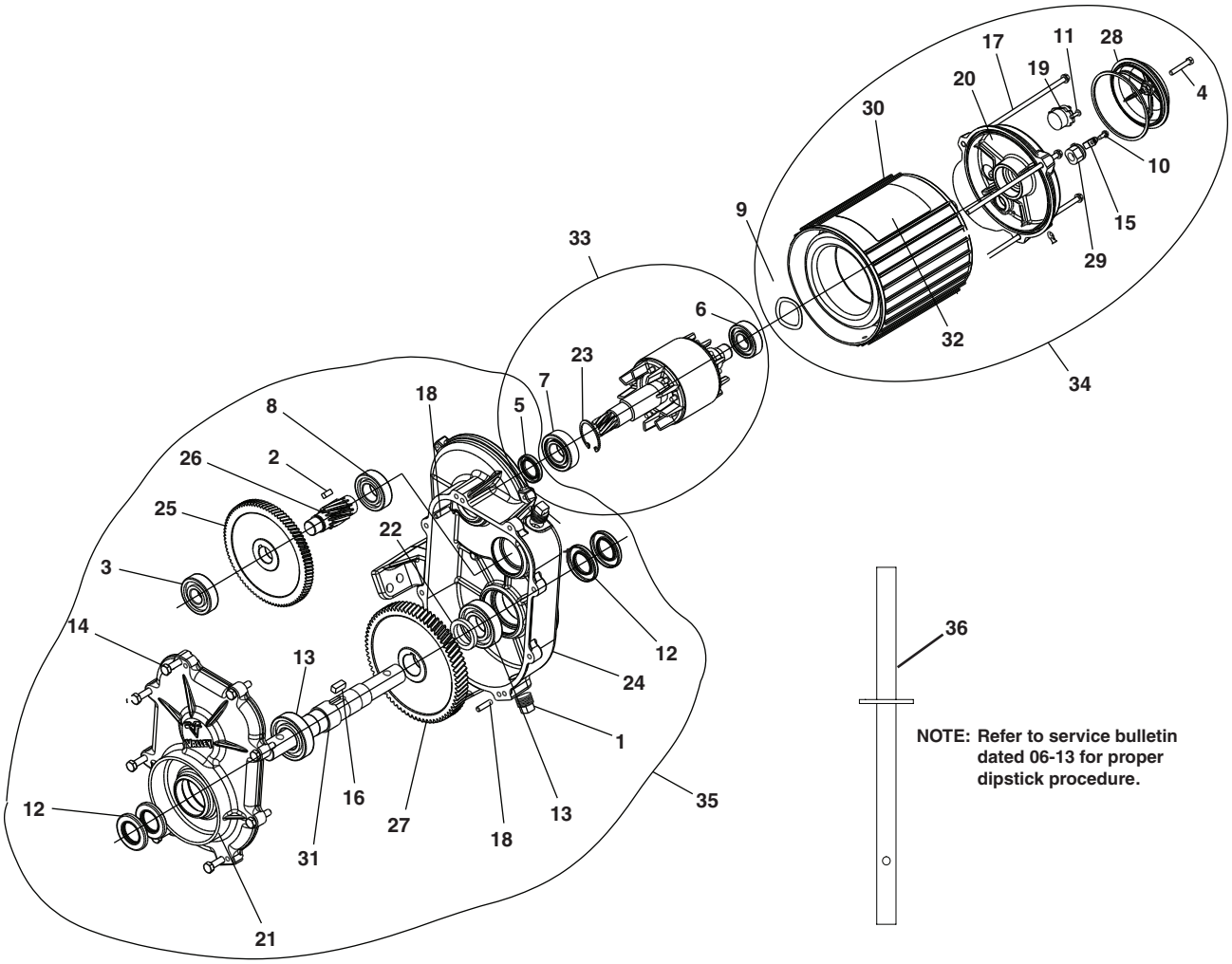


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ITEM	DESCRIPTION	PART #
1	1/2" x 1-1/4" Cap Screw	0161027
2	1/2" Lock Nut	0133005
3	1/2" x 2-1/2" Cap Screw	0161023
	1/2" x 3" Cap Screw (8-5/8" Clamp)	0161136
4	1/2" x 3-1/2" Cap Screw	0161060
5	3/4" x 1-3/4" Cap Screw	0161139
6	3/4" Lock Nut	0133011
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	3/4" x 2-1/2" Cap Screw	0161159
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, 51.30" Long	1750949
16	Angle Spreader, 61.10" Long	1751002
**17	Truss Diagonal w/I.D. Hole, 58.42" Long (Blue)	9360046*
**18	Truss Diagonal, 55.38" Long (Red)	9360073
19	Truss Spreader, 44.69" Long (Black)	9360047
20	Tower Support, 14'-9.75" Long	9360071
21	Tower Support, 18'-6.91" Long	9332008
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Outer Socket	9360069
25	Inner Socket	9360070
26	Upper Brace, Guidance D.U.	1751017
27	Upper Intermediate Brace, Guidance D.U.	1750946
28	Lower Intermediate Brace	9360835
29	Lower Brace	9360834
30	Tower Support Attachment Plate	1750947
31	Drive Unit Leg, Right Hand	1750938
32	Drive Unit Leg, Left Hand	1750939
33	Drive Unit Reinforcing Plate	1780400
34	1/2" Flat Washer	0142025
35	Drive Unit Diagonal, Heavy Duty	9361138
36	Tie Brace	9363775
37	3/8" x 1-3/4" x .94 U-Bolt	0176035
38	Basebeam, Guidance D.U.	1750937

*** NOTE:** Longer Diagonal has I.D. and is to be located away from Span Center.
**** NOTE:** Items #18 and #19 - Truss Diagonals are used for ALL span lengths located at First Span position: 115', 135', 140', 160', 180', 185' and 187'.

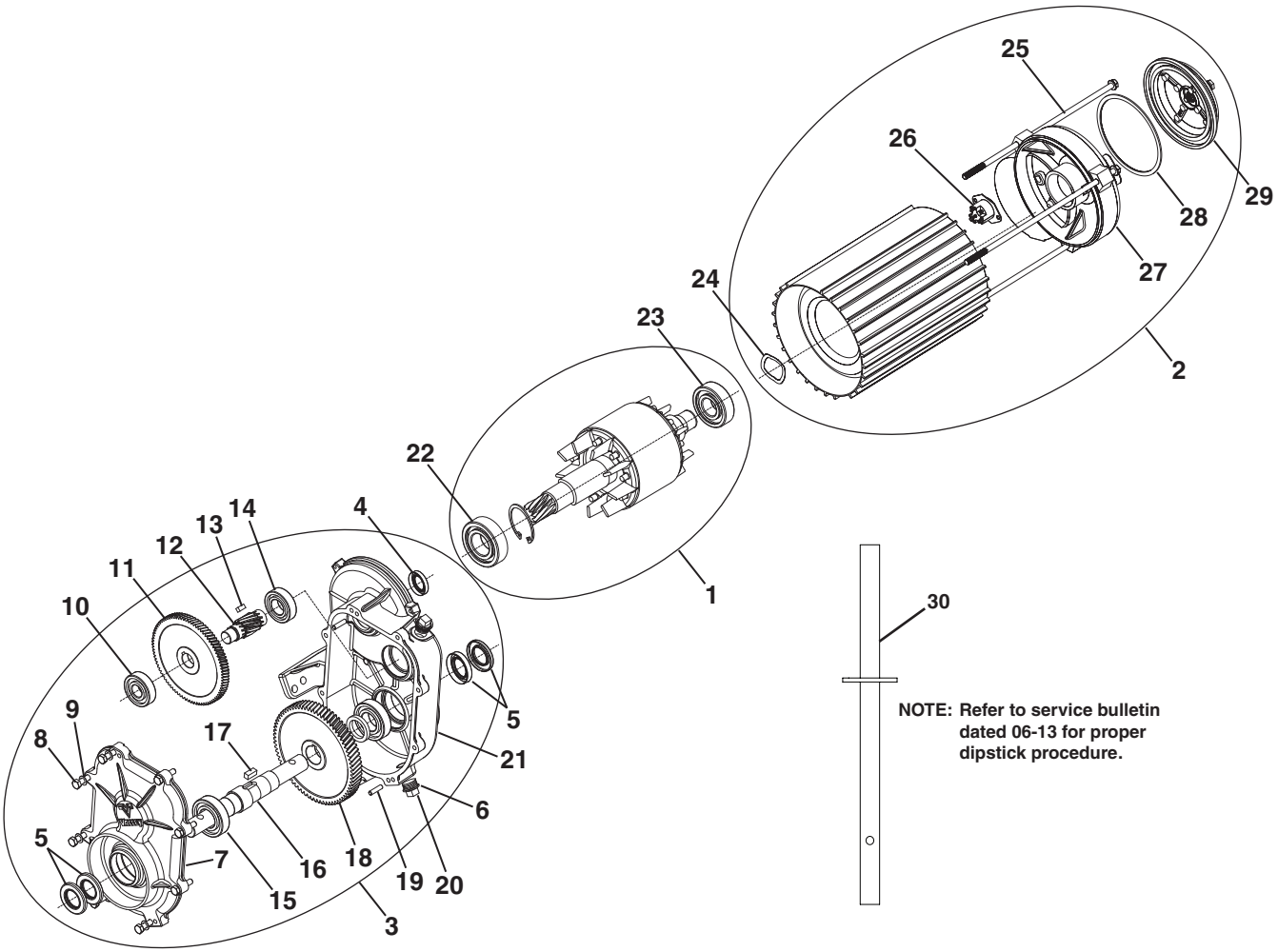
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ITEM	DESCRIPTION	PART #
1	1/2" NPT Plug	0246094
2	Key - Intermediate Gear Shaft	03E1747
3	Bearing - Intermediate Gear Shaft	03E1748
4	Cap Screw - 1/4" x 1-1/2" Long	03E2152
5	Seal - Rotor to Gearbox - 34 & 68 RPM	03E1750
	Seal - Rotor to Gearbox - 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

ITEM	DESCRIPTION	PART #
23	Snap Ring (34 & 68 RPM only)	0257020
	Snap Ring (43 RPM only)	0257021
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
34	Stator Module Assembly - 34 & 43 RPM	03E1556
35	Gearbox Assembly (34 & 68 RPM)	03E1555
36	Helical Center Drive Dipstick	0998886
	34 RPM Gearmotor Assembly	
	Gearbox and Electric Motor Module	03E1554
	43 RPM Gearmotor Assembly	
	Gearbox and Electric Motor Module	03E2088
	68 RPM Gearmotor Assembly	
	Gearbox and Electric Motor Module	03E1558

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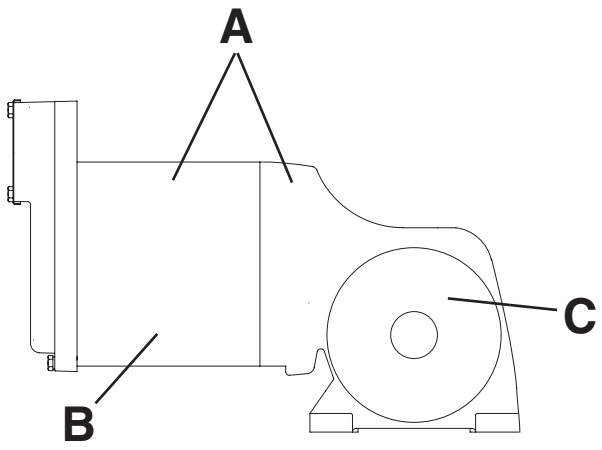
NOTE: Refer to service bulletin dated 06-13 for proper dipstick procedure.

ITEM	DESCRIPTION	PART #
1	Rotor Assm w/(2 Brgs & Seal) - 34 RPM	03E2309
	Rotor Assm w/(2 Brgs & Seal) - 68 RPM	03E2310
2	Stator Module Assembly - 34 RPM (Service)	03E2839
	Stator Module Assembly - 68 RPM (Service)	03E2840
3	Gearbox Assembly (34 & 68 RPM)	03E2465
4	Input Seal - (EFF. 2008)	0318175
	Input Seal - (PRIOR TO 2008)	0318177
5	Output Seal	0318176
6	O-Ring	0997874
7	Cover	03E2946
8	M8 x 1-1/4 x 30 Bolt	03E3014
9	Flat Washer	03E3013
10	Gear Bearing - 6304	03E3008
11	Gear - High Speed - 86T	03E3003
12	Pinion - Low Speed - 11T	03E3004
13	6 x 6 x 12.7 Gear Key	03E3012
14	Gear Bearing - 6205	03E3007
15	Gear Bearing - 6206	03E3006
16	Gear Shaft - Low Speed	03E3005
17	8 x 7 x 23.5 Gear Key	03E3011

ITEM	DESCRIPTION	PART #
18	Gear - Low Speed - 73T	03E3002
19	Gear Dowel Pin	03E3010
20	Gear Flange Plug	03E3009
21	Housing	03E3001
22	Rotor Bearing - 6205	03E3041
23	Rotor Bearing - 6203	03E3040
24	Wavy Washer	03E3057
25	Through Bolt	03E3047
26	Thermal - TPMYJ42WO - .6 / 34 RPM	03E3043
	Thermal - TPMYJ38AO - 1.2 / 68 RPM	03E3042
27	Endplate	03E3046
28	Gasket	03E3045
29	Lid	03E3044
30	Helical Center Drive Dipstick	0998886

34 RPM Gearmotor Assembly
Gearbox and Electric Motor Module 03E2468
68 RPM Gearmotor Assembly
Gearbox and Electric Motor Module 03E1558

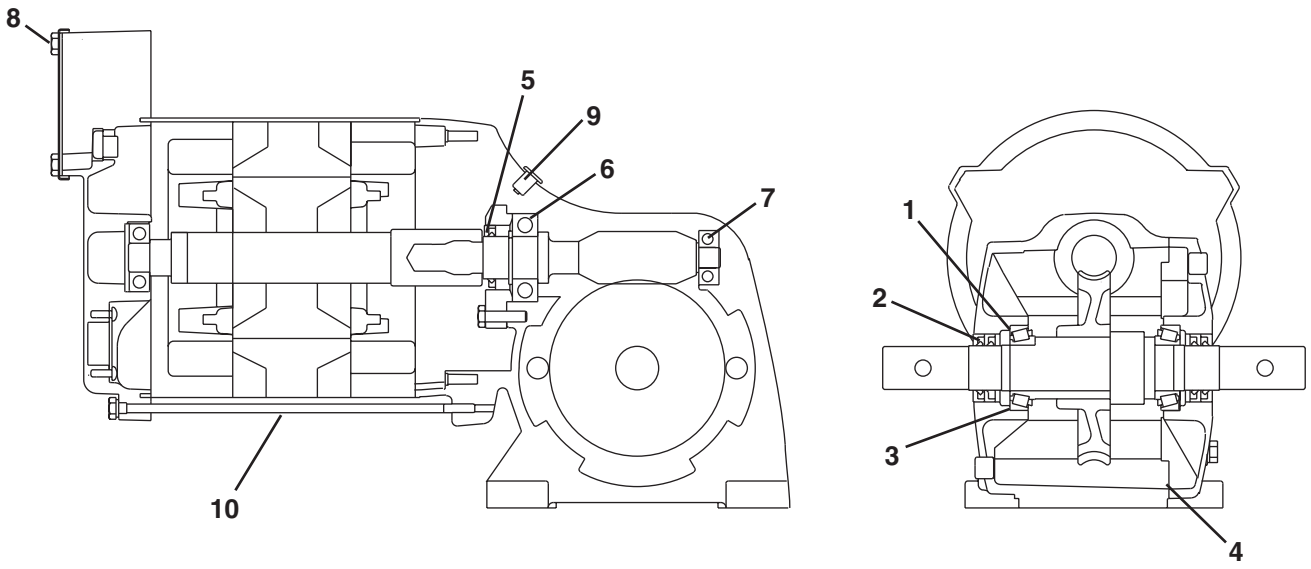
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PIVOT SPANS

RPM	DESCRIPTION	INHERENT PROTECTED	HP	RATIO	WHERE USED	PART #
30	Gearmotor (A)	YES	1	58:1	Standard Speed	03E2044
	Motor Module (B)					03E2045
	Gearbox Module (C)					0314915
56	Gearmotor (A)	YES	1.5	31:1	High Speed	03E2056
	Motor Module (B)					03E2046
	Gearbox Module (C)					0314928

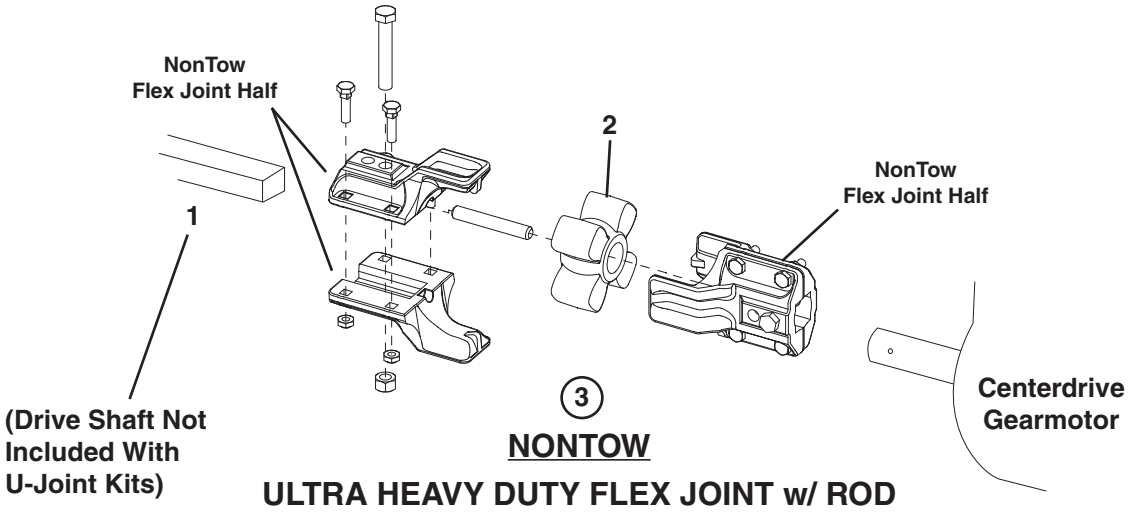
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NOTE: The Worm Shaft And Worm Wheel Are Not Available As Repair Units. If Worn Or Broken, Replace With A Complete Gearbox Assembly.

ITEM	DESCRIPTION	PART #
1	Output Bearing Cone	0192061
2	Output Shaft Seal	0258021
3	Output Bearing Cup	0192060
4	Gasket - End Plate	0994330
5	Input Seal	0258022
6	Input Bearing-Upper	0191060
7	Input Bearing-Lower	0191059
8	1/4"-20 x 5/8" Self Tapping Screw	0164146
9	Plastic Rivet 11/64"	0123022
10	1/4” x 7-1/4” Cap Screw	0161416

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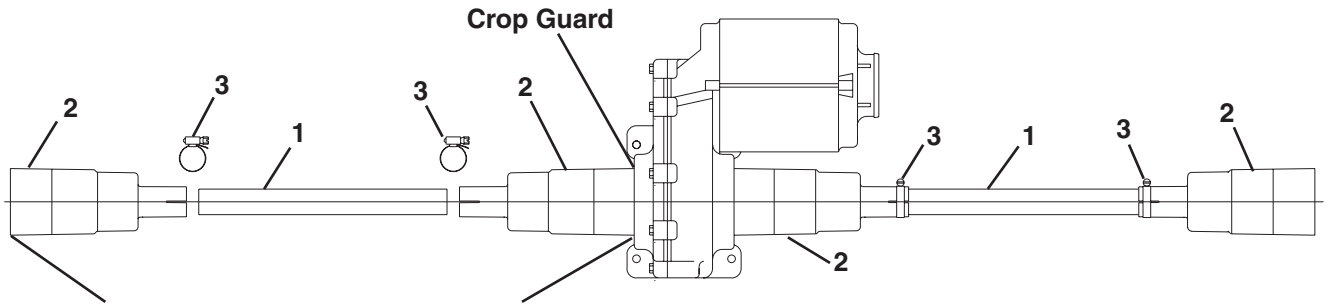


NONTOW

ULTRA HEAVY DUTY FLEX JOINT w/ ROD

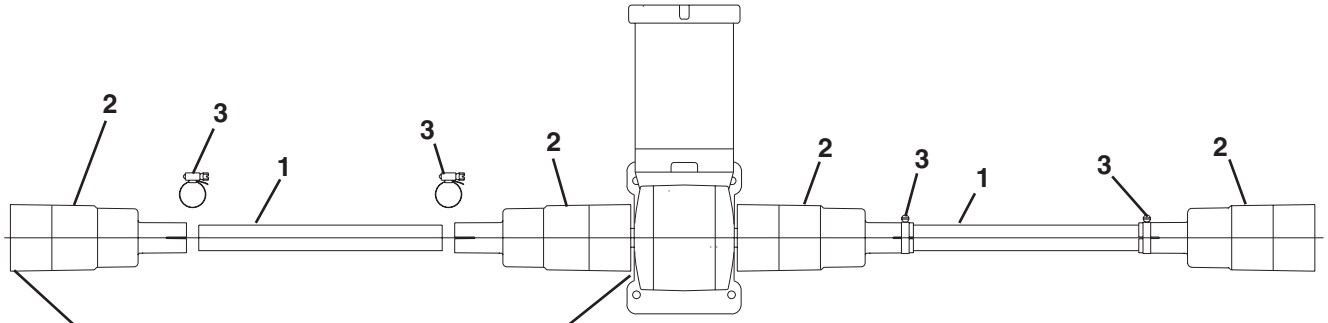
ITEM	DESCRIPTION	PART #
1	Drive Shaft 7/8" Sq. x 45.38" Long (Guidance Drive Unit)(Long)	9361715
	Drive Shaft 7/8" Sq. x 25.86" Long (Guidance Drive Unit)(Short)	9361659
	Drive Shaft 7/8" Sq. x 60.12" Long (End Drive Unit)	9361713
2	NonTow Flex Joint Heavy Duty Insert	0996201
3	Ultra Heavy Duty Flex Joint Kit w/ Rod - 7/8" Sq. x 1" Round (NonTow)	KA01300

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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

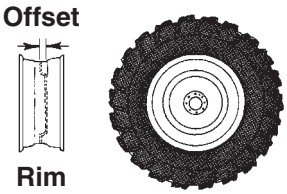


NOTE: Install Shields with 1/8" gap between shield and gearboxes/ center drive. Shield Assemblies should rotate freely over drive shaft and u-joints.

Worm Gear Center Drive

ITEM	DESCRIPTION	PART #
1	Shield - 40.62" Long (Guidance Drive Unit)(Long)	0992716
	Shield - 21.12" Long (Guidance Drive Unit)(Short)	9361658
	Shield - 55.38" Long (End Drive Unit)	0992715
2	Shield - 11.75" Long	1702614
3	Clamp, Stainless Steel	0271013
	COMPLETE Standard Drive Shaft Shield Pkg.	0000723

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Description		Front Assm.	Rear Assm.	Tube	Rim	Tire	Operating Pressure (PSI)	Offset (Inches)	Valve Stem
Hi-Float	TITAN	1701103	1701104	-	1702348	0991256	18*	0.5[1]	0991282
14.9 x 24	FIRESTONE	1704026	1704027	-	1702348	0996552	18*	0.5[1]	0991282
Hi-Float w/Tube	TITAN	1703788	1703787	0991175	1702348	0991256	18*	0.5[1]	-
14.9 x 24	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]	0991282
Hi-Float Turf w/Tube	TITAN	1703335	1703335	0991175	1702348	0993242	18*	0.5[1]	-
14.9 x 24	FIRESTONE	9363129	9363129	0991175	1702348	0997324	18*	0.5[1]	-
Hi-Float non-Directional w/Tube 14.9 x 24	FIRESTONE	1704163	1704163	0991175	1702348	0997900	18	0.5	-
Hi-Float non-Directional Tubeless 14.9 x 24	FIRESTONE	1704164	1704164	-	1702348	0997900	18	0.5	0991282
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 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	-

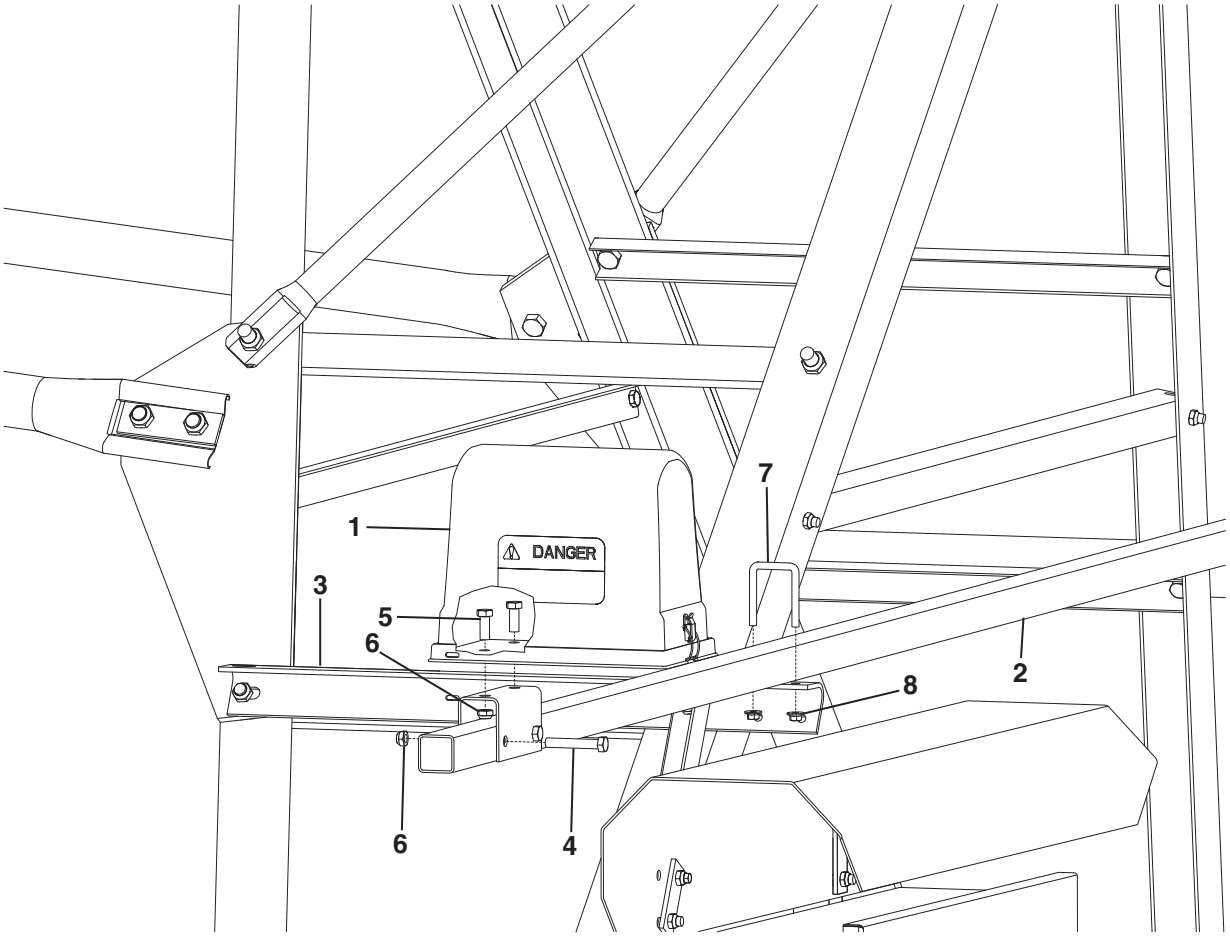
* **Pressure may be decreased to 16 psi for flotation.**

[1] **Effective November 2005.**

~~ ~~ **International ONLY.**

NOTE: Tire Brands may NOT be mixed on a Drive Unit.

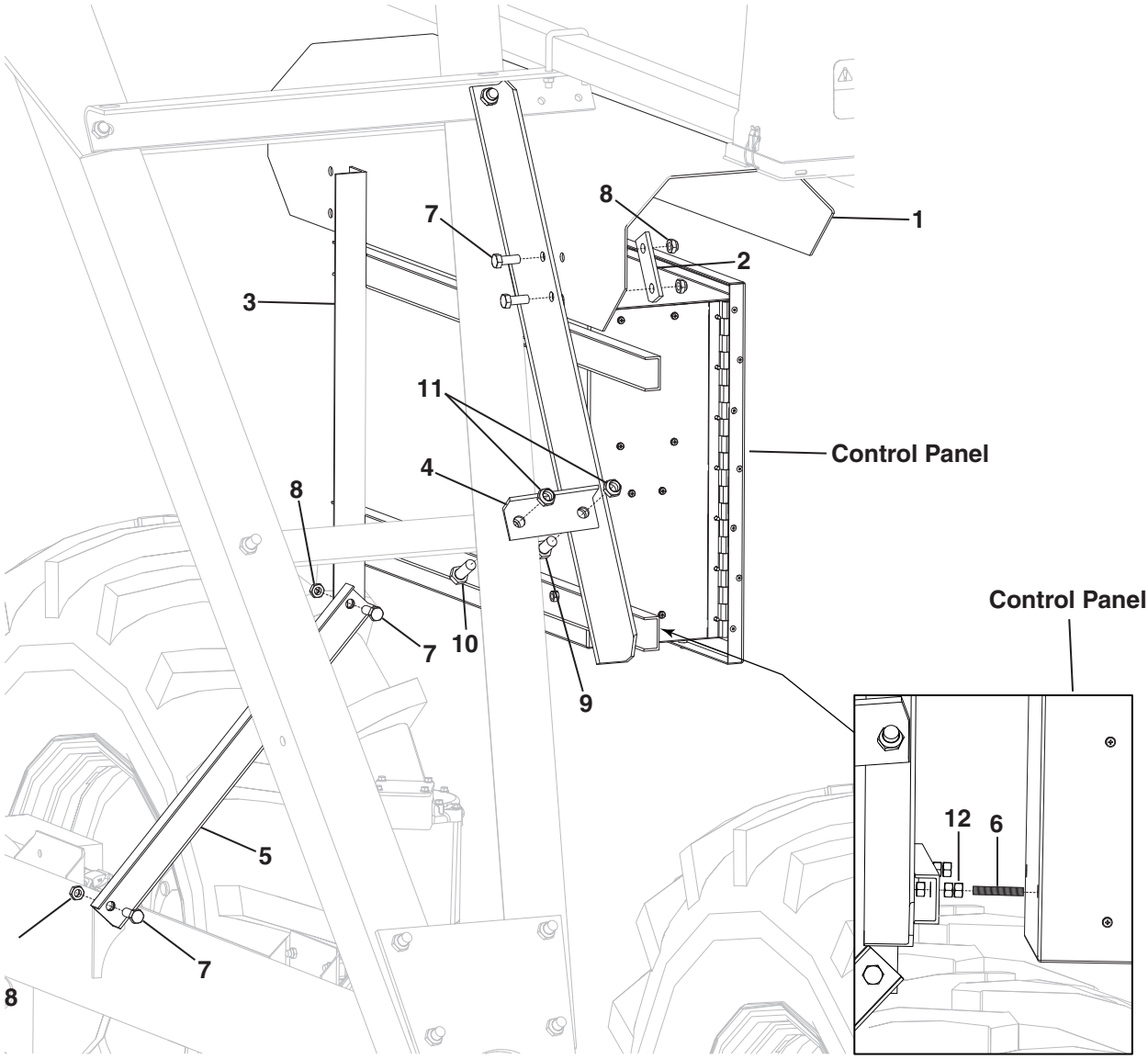
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ITEM	DESCRIPTION	PART #
1	Dual Span Antenna Assm. - Front	1751132
	- Rear (shown above)	1751133
2	Mounting Beam	1751034
3	End-of-Field Stop Mount	9360846
4	1/2" x 3" Cap Screw	0161136 *
5	1/2" x 1-1/4" Cap Screw	0161027
6	1/2" Lock Nut	0133005
7	3/8" U-Bolt	0176053 *
8	3/8" Flange Nut	0134055 *

* Guidance Control Hardware Kit KA09576
(other items in this kit listed on next page)

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Side View of Control Panel mounting

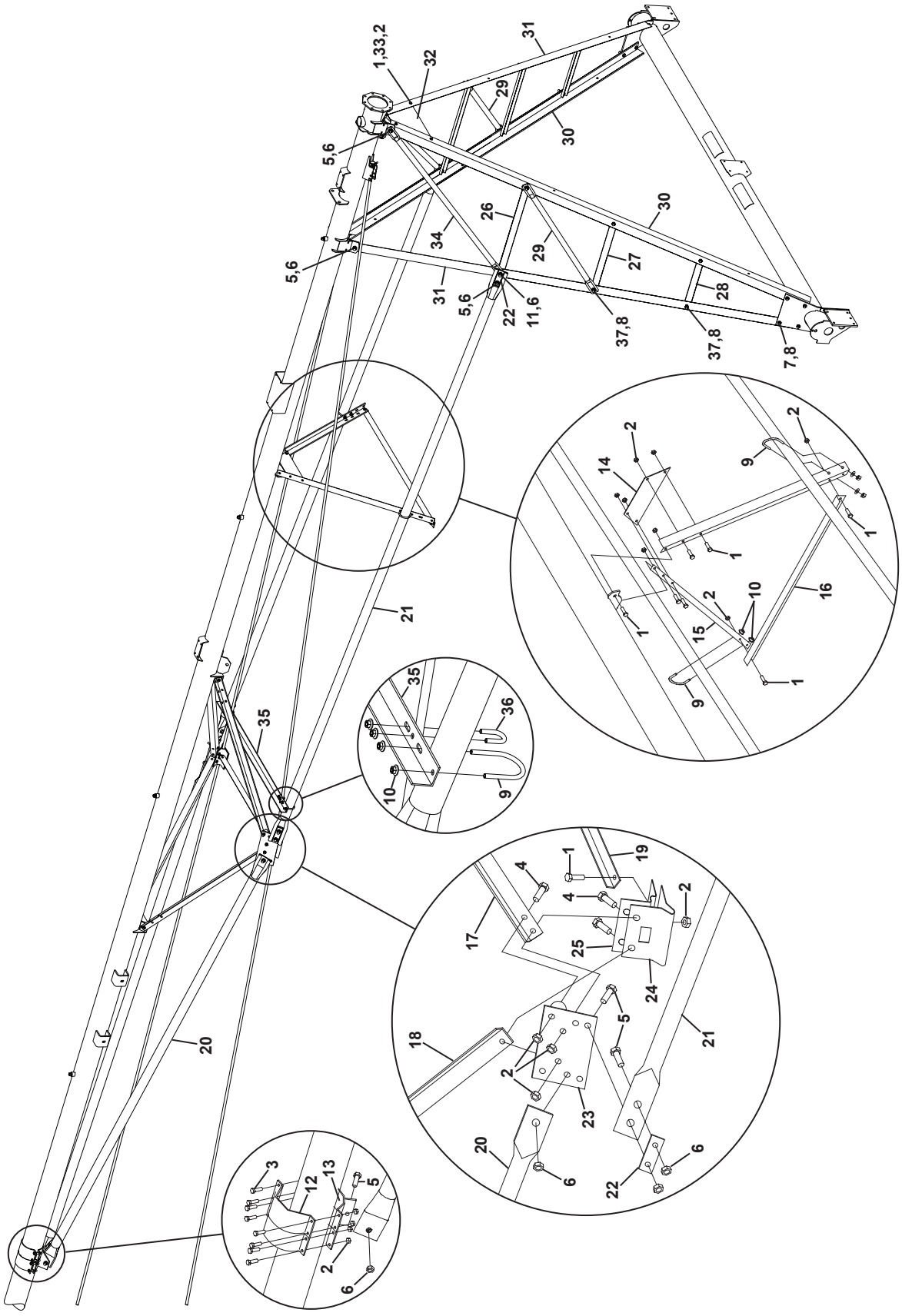
ITEM	DESCRIPTION	PART #
1	Control Box Shield	1751005
2	Reinforcement Pad	1751006
3	Control Box Mount	1750943
4	Mounting Frame Angle	1750944
5	Control Box Frame Anchor Channel	1750945
6	3/8” x 2” Threaded Rod	0994523 *
7	1/2” x 1-1/4” Cap Screw	0161027
8	1/2” Lock Nut	0133005
9	5/8” x 1-1/4” Cap Screw	0161379
10	5/8” x 1-3/4” Cap Screw	0161088
11	5/8” Lock Nut	0133010
12	3/8” Hex Nut	0131018 *

* Guidance Control Hardware Kit KA09576
(other items in this kit listed on previous page)

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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
	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	3/4" x 2-1/2" Cap Screw	0161159
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, 51.30" Long	1750949
16	Angle Spreader, 61.10" Long	1751002
**17	Truss Diagonal w/I.D. Hole, 61.68" Long	9360052*
**18	Truss Diagonal, 58.81" Long	9360074
19	Truss Spreader, 52.25" Long	9360053
20	Tower Support, 14'-9.75" Long	9360071
21	Tower Support, 18'-6.91" Long	9332008
22	Reinforcement Plate	9332015
23	Support Plate	9332020
24	Outer Socket	9360069
25	Inner Socket	9360070
26	Upper Brace, Standard Profile	1780327
27	Intermediate Brace, Standard Profile	9360835
28	Lower Brace, Standard Profile	9360834
29	Drive Unit Diagonal Brace	9360847
30	Drive Unit Leg, Right Hand	9360827
31	Drive Unit Leg, Left Hand	9360828
32	Drive Unit Reinforcing Plate	1780400
33	1/2" Flat Washer	0142025
34	Drive Unit Diagonal, Heavy Duty	9361138
35	Tie Brace	9363775
36	3/8" x 1-3/4" x .94 U-Bolt	0176035
37	5/8" x 1-1/4" Cap Screw	0161379

*** NOTE:** Longer Diagonal has I.D. and is to be located away from Span Center.
**** NOTE:** Items #18 and #19 - Truss Diagonals are used for ALL span lengths located at First Span position: 115', 135', 140', 160', 180', 185' and 187'.

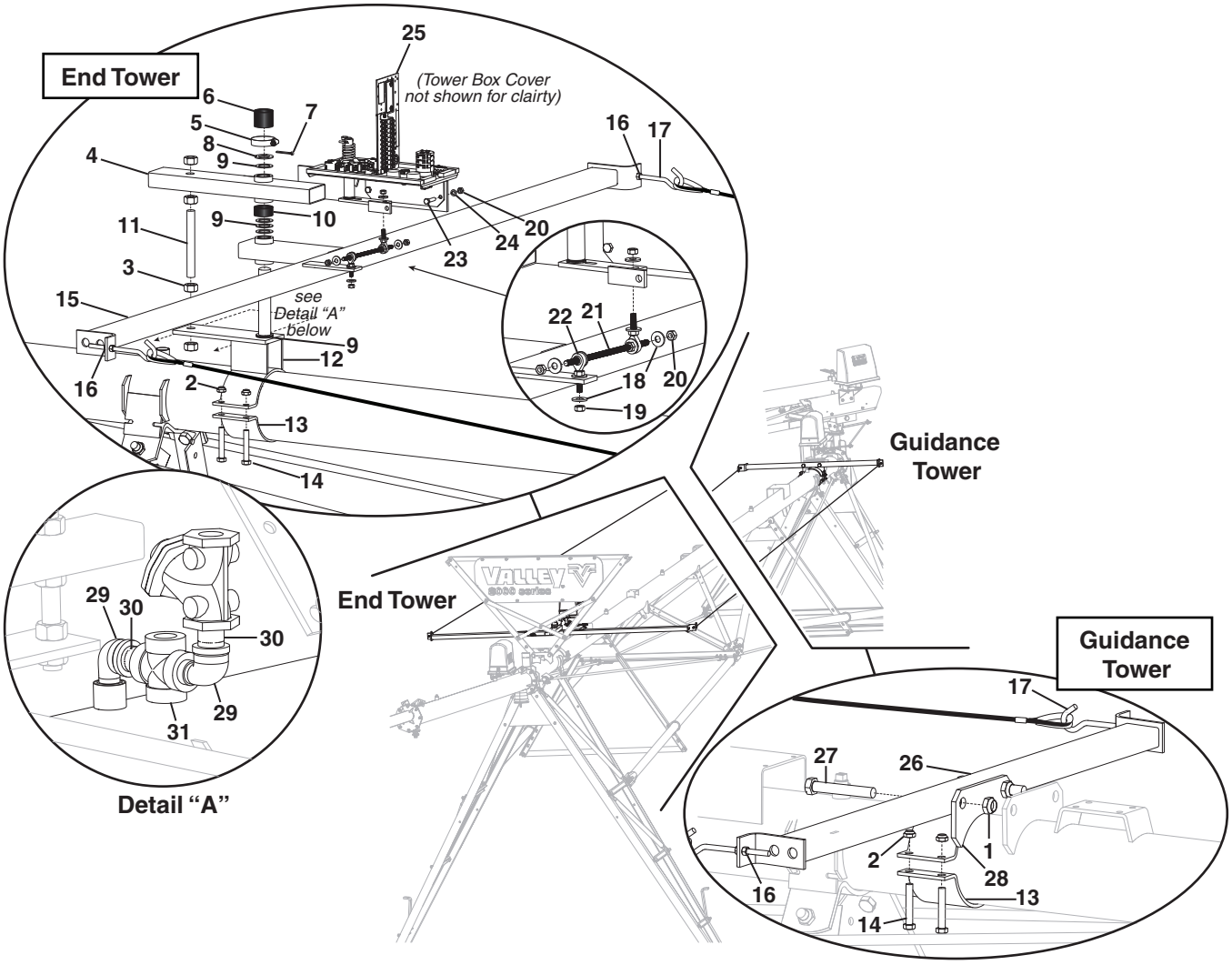
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Corner Linear Span Safety

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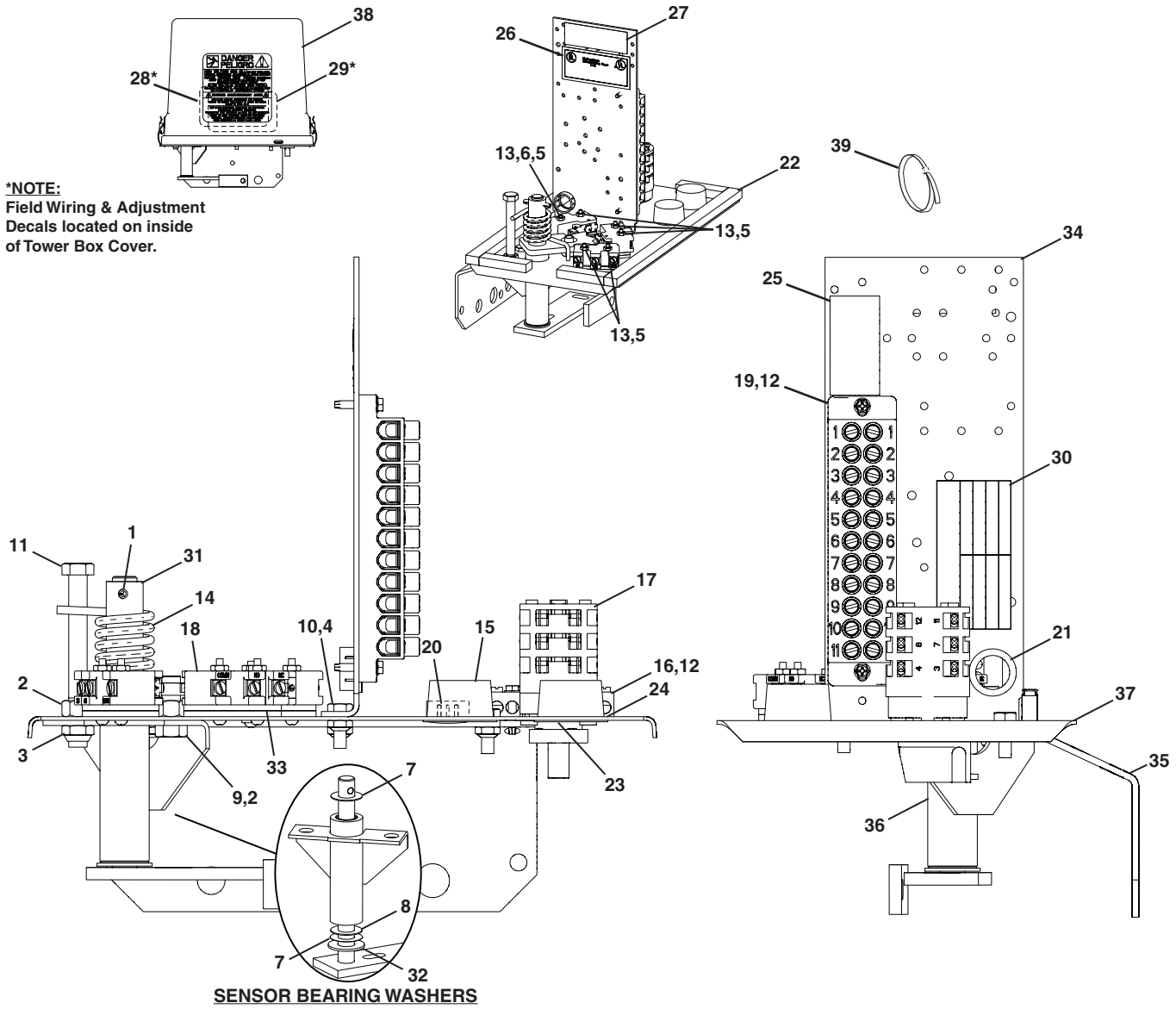
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ITEM	DESCRIPTION	PART #
1	3/4" Lock Nut	0133011
2	1/2" Lock Nut	0133005
3	3/4" Hex Nut	0131008
4	Alignment Bar w/Bushing	9361041
5	Hose Clamp	0271064
6	Alignment Bearing Cap	0261033
7	Cotter Pin - 3/16"	0151015
8	1" Flat Washer	0141067
9	Alignment Washer	1730570
10	Alignment Bearing Sleeve	0993010
11	3/4" x 6-1/2" Stabilizer Stud	9360987
12	Alignment Mounting Bracket - 6-5/8"	9361909
13	Half Clamp (4-Bolt) - 6-5/8"	1700622
14	1/2" x 3" Cap Screw	0161136
15	Short Bar T-Bar w/Bushing	9361043
16	3/8" Hex Nut	0131018

ITEM	DESCRIPTION	PART #
17	3/8" x 8" Hook Bolt	0161366
18	5/16" Flat Washer	0142017
19	5/16" -24 Hex Nut	0131068
20	5/16" -18 Hex Nut	0131037
21	Adjustment Rod	1731232
22	5/16" Ball Joint Rod End	0992984
23	5/16" x 1-1/4" Cap Screw	0161051
24	5/16" Lock Washer	0141008
25	Side Load Safety Sensor Box	1814706
26	Fixed End Cable Mount T-Bar	9363510
27	3/4" x 5" Cap Screw	0161144
28	Clamp-on Bracket Assm. - 6-5/8"	1701281
29	3/4" x 90°	0241012
30	3/4" NPT x 2" Nipple	0211014
31	3/4" Filter Cross	9360897

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***NOTE:**
Field Wiring & Adjustment Decals located on inside of Tower Box Cover.

SENSOR BEARING WASHERS

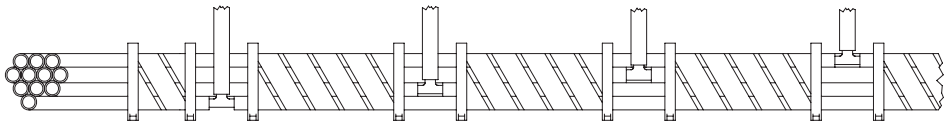
ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/8" Hex Nut	0131018
3	3/8" Lock Nut	0133006
4	1/4" Lock Nut	0133008
5	#6 Hex Nut	0134027
6	#6" Flat Washer	0142074
7	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
8	Flat Washer .010 x .512 x .996 - Stainless Steel	0143066
9	3/8" x 1" Cap Screw	0161045
10	1/4" x 3/4" Cap Screw	0161057
11	3/8" x 3-1/2" Long Cap Screw	0161150
12	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
13	#6 x 1-1/4" Machine Screw - Round Head	0164054
14	Spring	0181046
15	Caplug 15X	0261010
16	Ground Lug	0315120
17	Disconnect Switch	0315746
18	Micro Switch - Minimum Travel	03E0307
19	Terminal Block	03E1899
20	Snap Button Hole Plug	03E2166
21	Snap Bushing	0992070

ITEM	DESCRIPTION	PART #
22	Gasket Kit	0992071
23	Decal - Disconnect	0992090
24	Decal - Ground	0992925
25	Decal - UL Circuit Supply	0994147
26	Decal - C.UL Enclosed	0995919
27	Decal - 3R Enclosure	0996403
28	Decal - Field Wiring	0997627
29	Decal - Field Adjustment	0997628
30	Decal - Terminal Block Torque Copper Wire	0998450
31	Switch Pivot Arm Assembly	1701262
32	Sensor Arm Washer	1701269
33	Sensor Base Insulator	1701632
34	Vertical Bracket	1702053
35	Mounting Plate	1702054
36	Sensor Bearing Assembly w/Bushings	1703336
37	Bottom Plate w/3 Microswitches	1703823
38	Electric Tower Box Cover - UL	9311146
39	Wire Tie	0314225
	Side Load Sensor Box Assm	1814706

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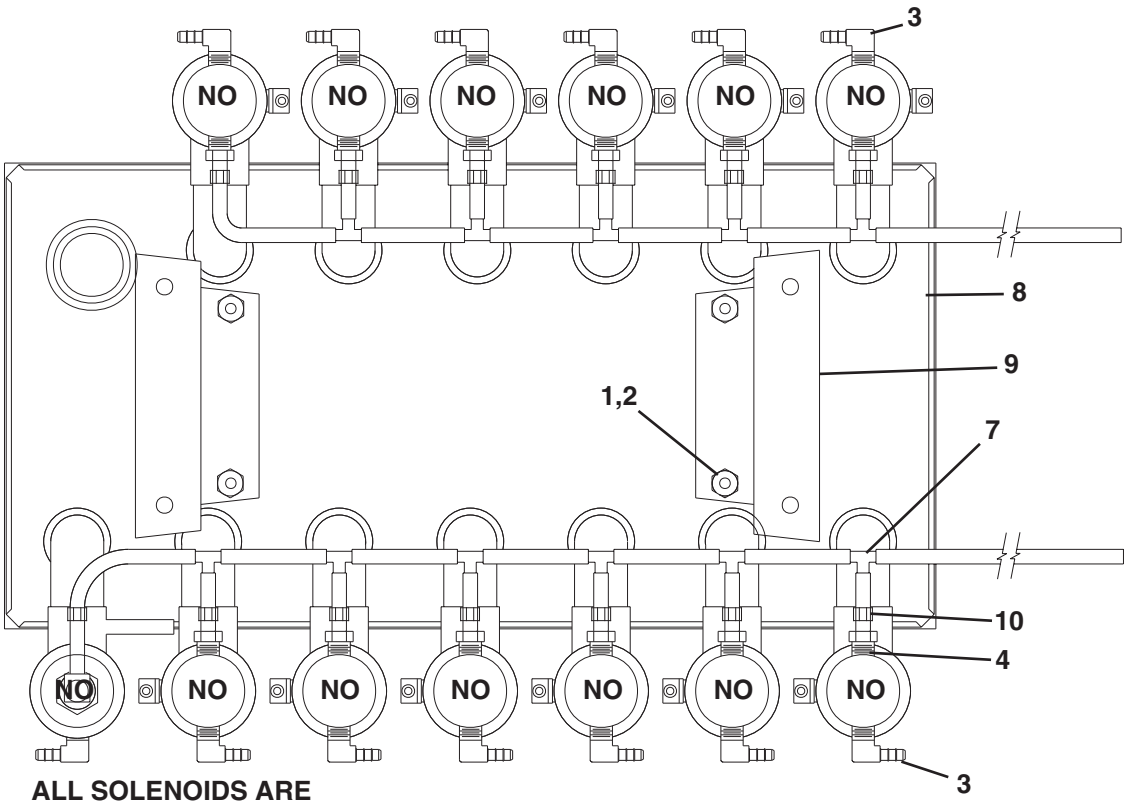
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CONNECTING SPAN TUBING HARNESSES	
DESCRIPTION	**PART #**
205’ Span	0270045
180’ SPAN	0270046
CORNER LINEAR SPAN & OVERHANG TUBING HARNESSES	
DESCRIPTION	**PART #**
160’ SPAN	0270047
135’ SPAN	0270049

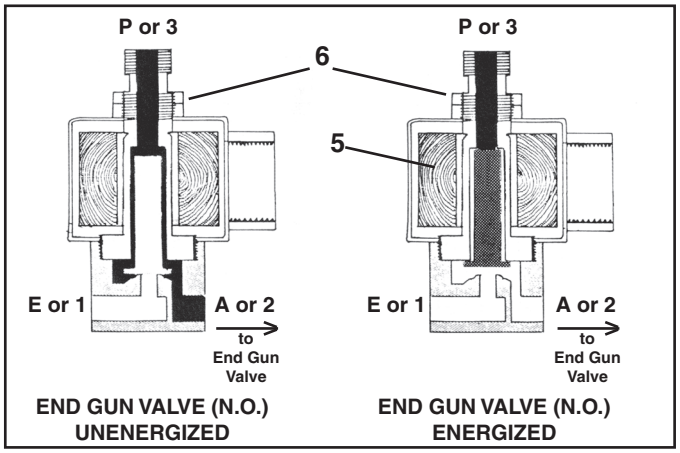
NOTE: Harness Protection Bracket (1750626) & Band (0271024) must be used when Harness crosses each Pipeline Flange.

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ALL SOLENOIDS ARE NORMALLY OPEN (Typical End Gun Control)

END GUN VALVE (N.O.)

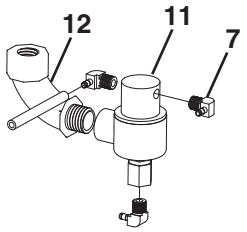


END GUN VALVE (N.O.) UNENERGIZED

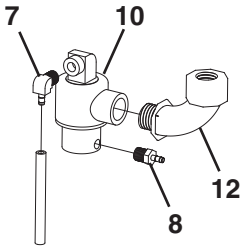
END GUN VALVE (N.O.) ENERGIZED

ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	1/4" x 3/4" Hex Bolt	0161057
3	Elbow Tube to Male Pipe Fitting	0232361
4	Connector Tube to Male Pipe	0232362
5	Skinner Solenoid Valve Coil	0232451
6	COMPLETE Solenoid Valve, N.O.	0232452
7	1/4" Union Tee	0270002
8	Solenoid Valve Box Bottom Plate	1703807
9	Solenoid Box Corner Stand	1703808
10	Clamp	0271115
	COMPLETE Box Assembly w/Lid	1814354

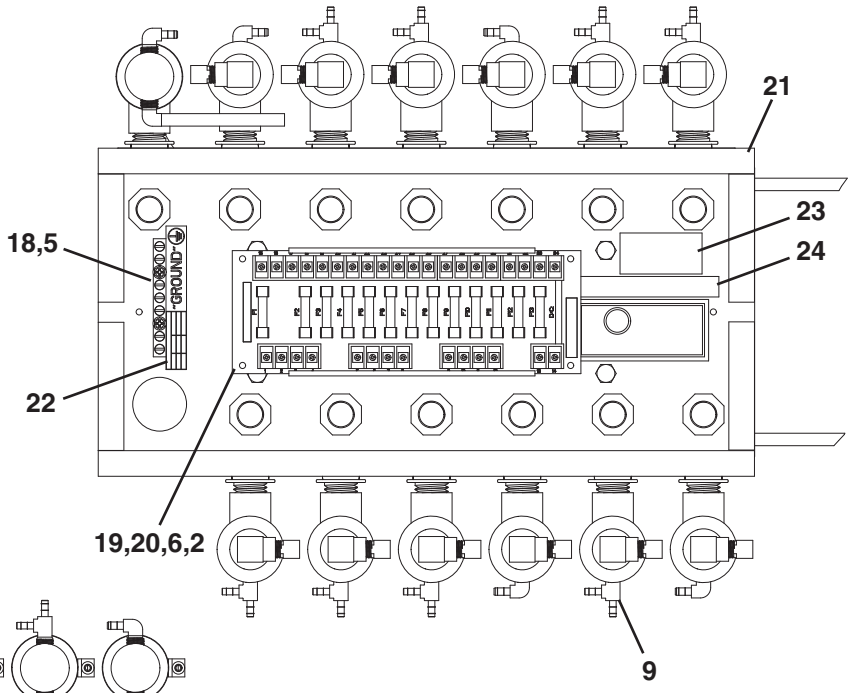
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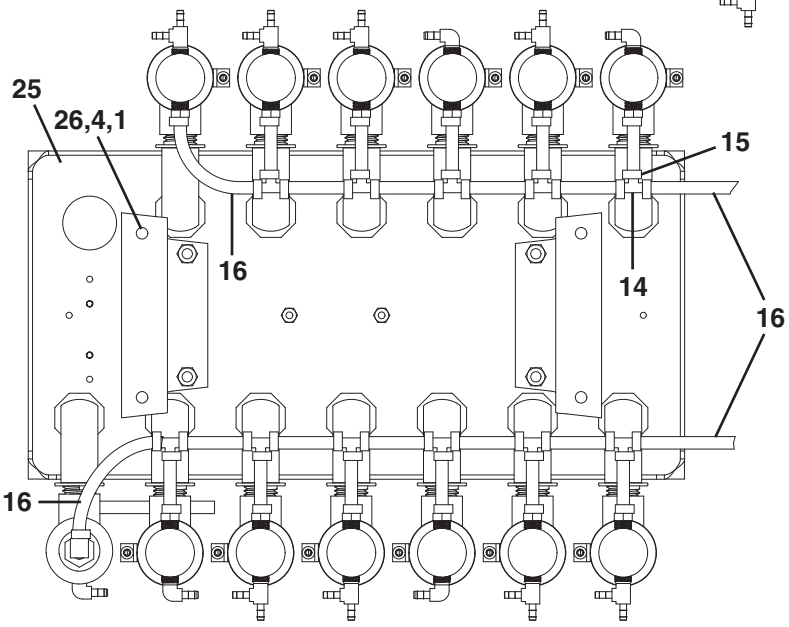


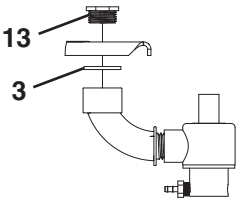
NORMALL OPEN SOLENOID



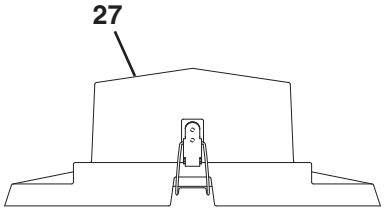
NORMALL CLOSED SOLENOID







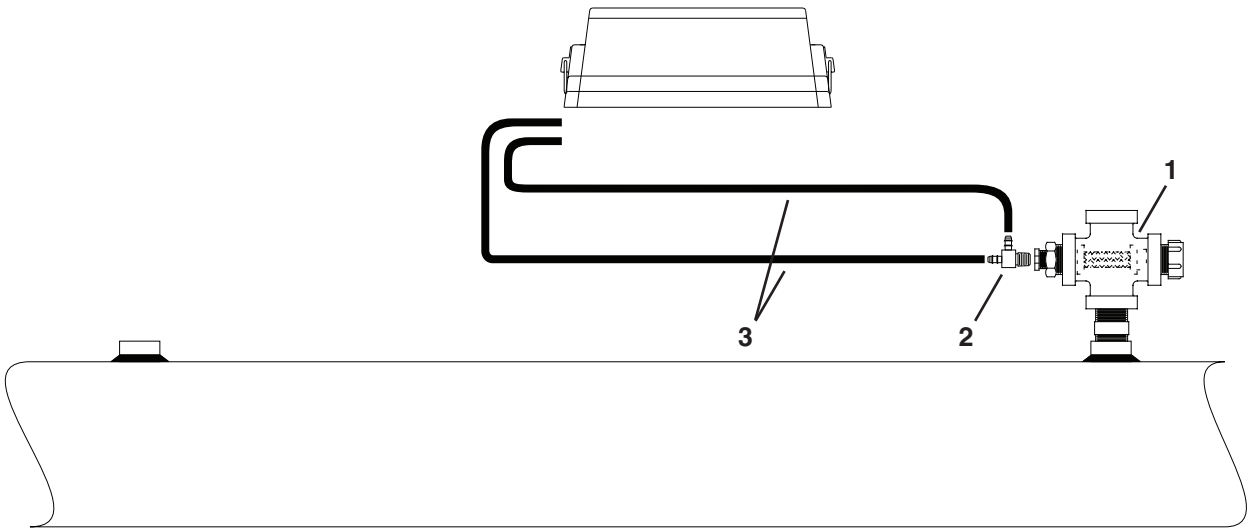
ELBOW TO BOTTOM PLATE



ITEM	DESCRIPTION	PART#
1	1/4" Hex Nut	0131020
2	#8 Hex Nut	0134023
3	Flat Washer - 1.136" O.D.	0142075
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
6	#8 x 1/2" Machine Screw RH	0164042
7	Elbow Fitting - Tube to Male Pipe	0232361
8	MFL Connector - Tube to Male Pipe	0232362
9	Tee Fitting - 1/8" NPT x 1/4" 1/4"	0232367
10	Complete Solenoid Valve, N.C.	0232450
11	Complete Solenoid Valve, N.O.	0232452
12	1/2" Elbow Fitting	0241057
13	Rigid Conduit Nipple	0244037
14	1/4" Union Tee	0270002
15	Tube Harness Crimp Clamp	0271115

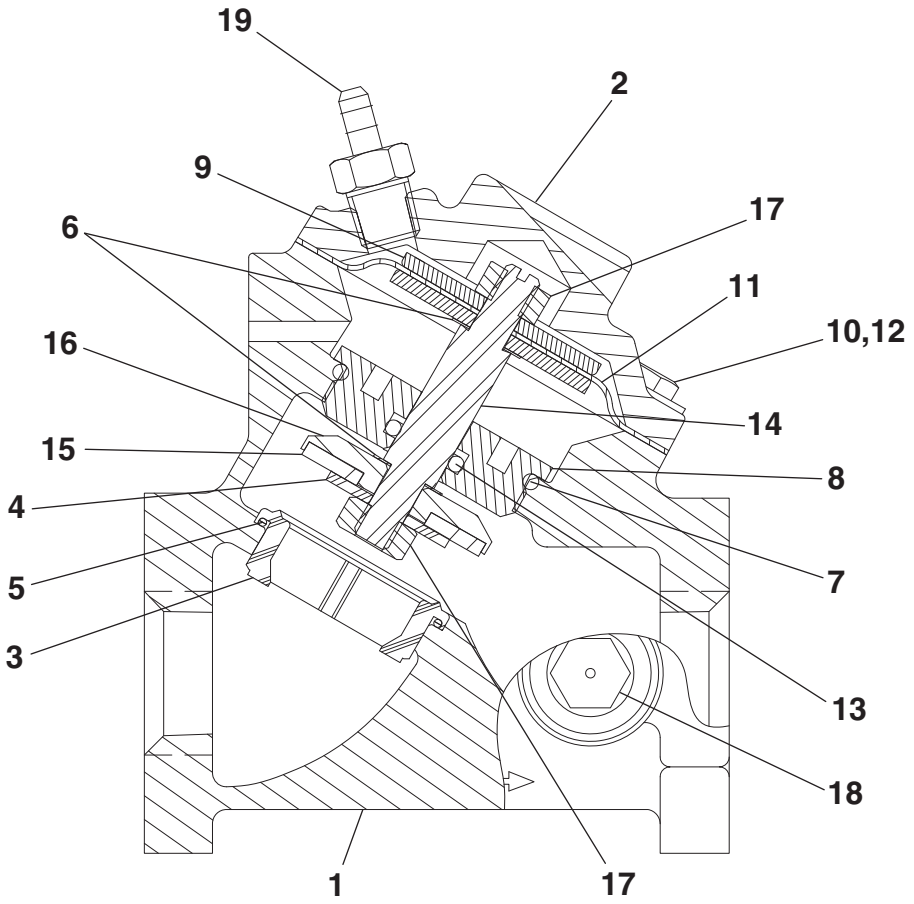
ITEM	DESCRIPTION	PART#
16	Nylon Tubing - .294 O.D. x 500'	0272050
17	Tyton Ty Wrap (not shown)	0314225
18	7 Terminal Ground Lug	0315120
19	13 Solenoid Fuse Panel P.C.B.	03E1955
20	Snaptrack - 6" Long	0991587
21	Solenoid Valve Box Gasket	0992081
22	Decal - Ground Lug	0992925
23	Decal - U.L. Circuit Supply 120 V	0994147
24	Decal - Copper Wire Only	0994836
25	Bottom Plate - Solenoid Valve Box	1703807
26	Solenoid Box Stand	1703808
27	Solenoid Box Cover Assembly (not incl. in assm.)	1703791
	COMPLETE Box Assembly w/o Lid	9310588

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ITEM	DESCRIPTION	PART #
1	3/4" Filter Cross Assembly	9360897
	3/4" x 2" Nipple	0211014
	3/4" Cross	0242048
	1/4" x 1/8" Reducer	0244024
	3/4" x 1/4" Reducer	0244046
	3/4" Plastic Plug	0246193
	3/4" Filter Element	0311020
2	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
3	1/4" Tubing - 20'	1720561

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NO.	DESCRIPTION
1	BODY
2	CAP 1/8 NPT
3	SEAT (421)
4	DISC PLATE
5	O-RING 2-025
6	GASKET -1/2 OD
7	O-RING 2-125
8	GUIDE SHAFT-421
9	DIAPHRAGM PLATE-421
10	1/4-20 X 7/8 CAP SCREW
11	DIAPHRAGM-421
12	1/4-20 HEX NUT
13	O-RING 2-110
14	SHAFT -421
15	DISC
16	DISC HOLDER
17	1/4-28 HEX NUT
18	BLEED PLUG
19	TUBE FITTING

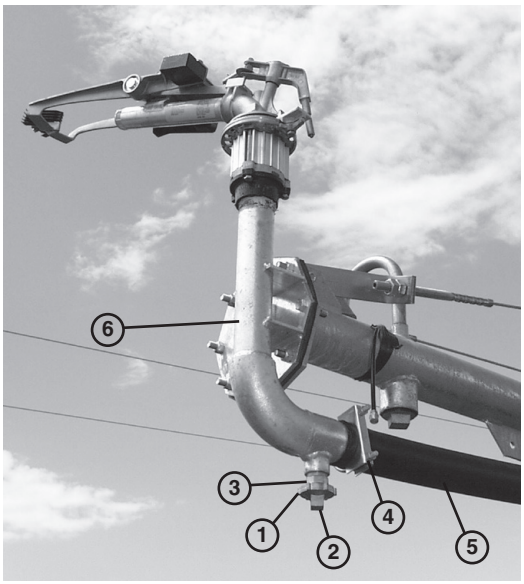
REPAIR PARTS KITS	
DESCRIPTION	PART #
TUBE FITTING	0232362
BLEED PLUG	0232440
DIAPHRAGM SEALS	0232494
INTERNAL PARTS	0232572

SERVICE TOOLS	
DESCRIPTION	PART #
PLASTIC GUIDE SHAFT TOOL	0232571
METAL GUIDE SHAFT TOOL	0232573

3/4" Aquamatic Valve - Normally Open w/Drain.....0232483

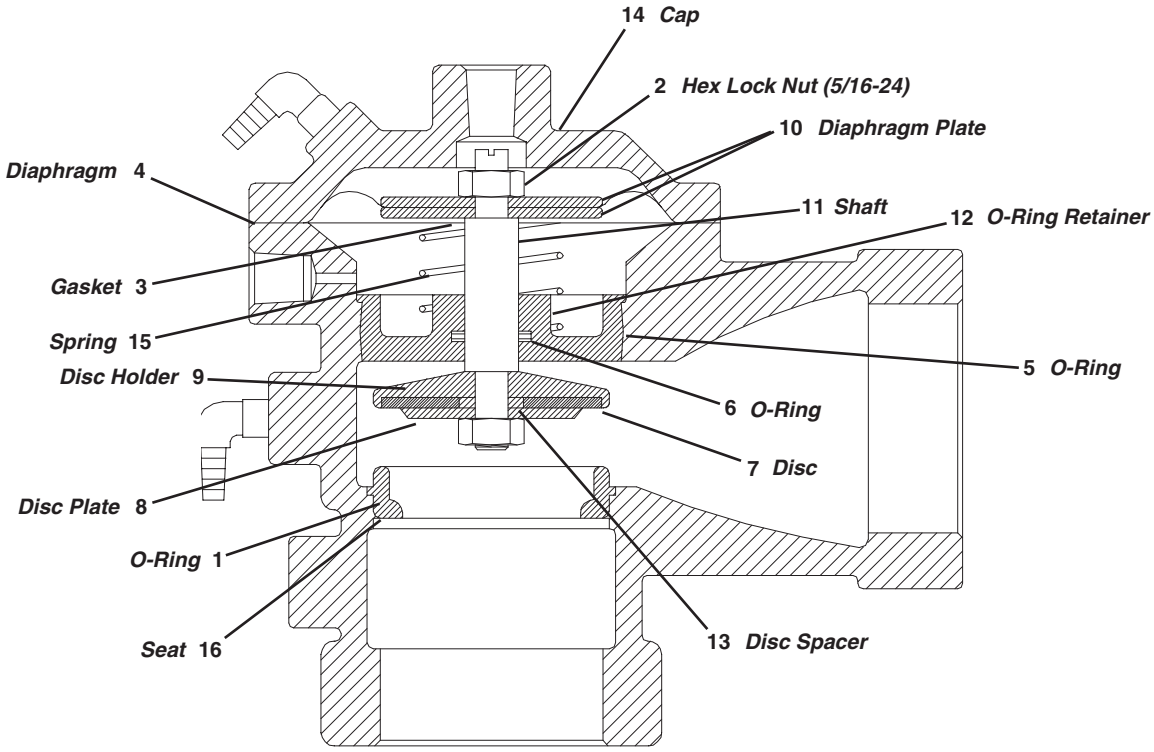
3/4" Aquamatic Plastic Internal Parts Repair Kit - DISCONTINUED Nov 2015 0232508

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ITEM	DESCRIPTION	PART#
1	Drain Seal	0232568
2	Lower Drain Body	0232004
3	Upper Drain Body - Metal	0232023
4	2-3/4" Muffler Clamp Assm.	0271059
5	2-1/2" I.D. x 43' Long Poly Pipe	0992752
6	Overhang Endplate for End Gun & Booster Pump	9360136

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DESCRIPTION	REFERENCE	VALMONT#
Diaphragm and Seals Kit Consists of Item nos. 1, 2, 3, 4, 5, 6 & 7	425-RA (Includes 425-FB)	0232488
Internal Parts Kit Normally Open Model Consists of Standard Item nos. 8, 8, 10, 11, 12 & 13	425-RF	0232489
14 - Top Cap	425-CJ	0232491
15 - Spring	495-SV	0232397
16 - Seat	425-MO	0232391

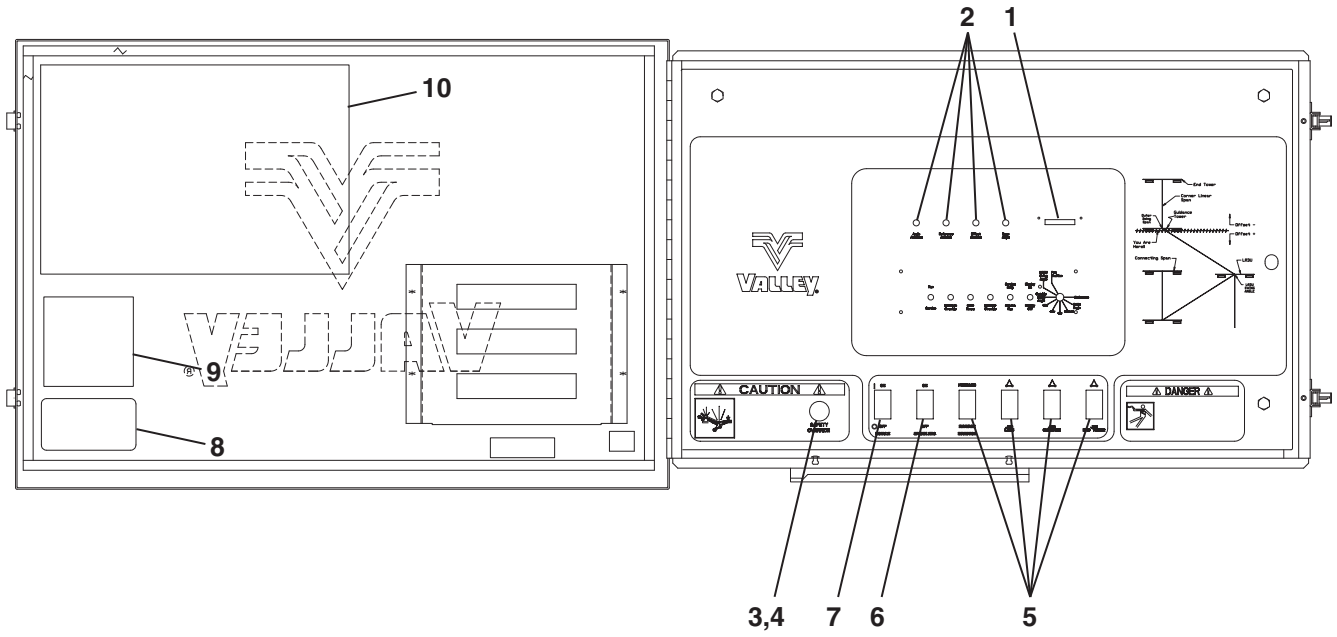
COMPLETE Valve..... 0232480

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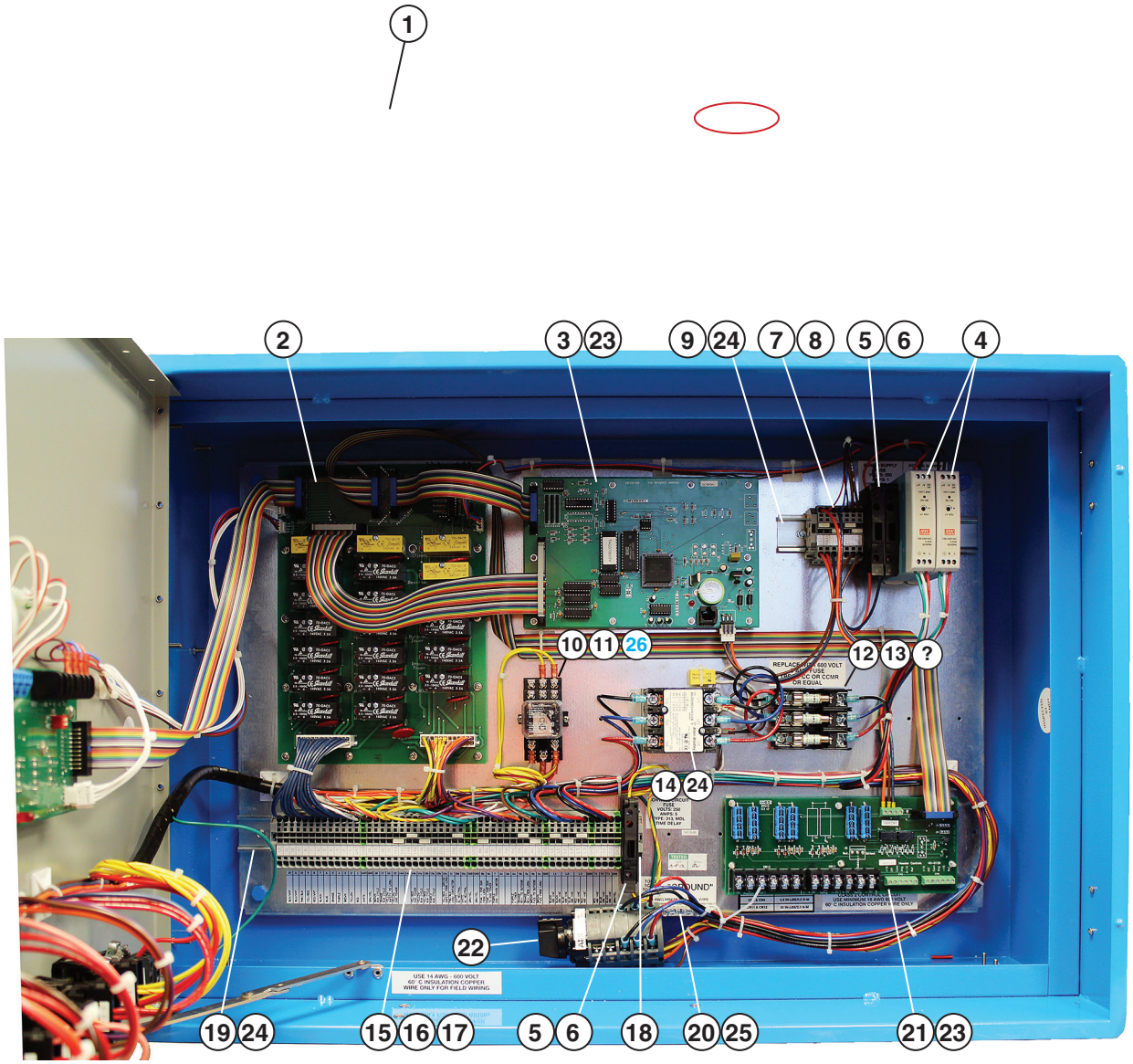
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ITEM	DESCRIPTION	PART #
1	LCD Display	03E3203
2	L.E.D.	03E3204
3	Push Button - Flush Non-Illuminated	03E2438
4	Push Button Mount Base - w/Contact Blocks	03E2439
5	3 Tab S.P.D.T.	03E1720
6	2 Tab S.P.D.T.	03E1721
7	6 Tab D.P.D.T.	03E1722
8	Decal - Caution Temperature	0997300
9	Decal - Control Panel Spec.	0998373
10	Decal - Wiring Schematic	0998395

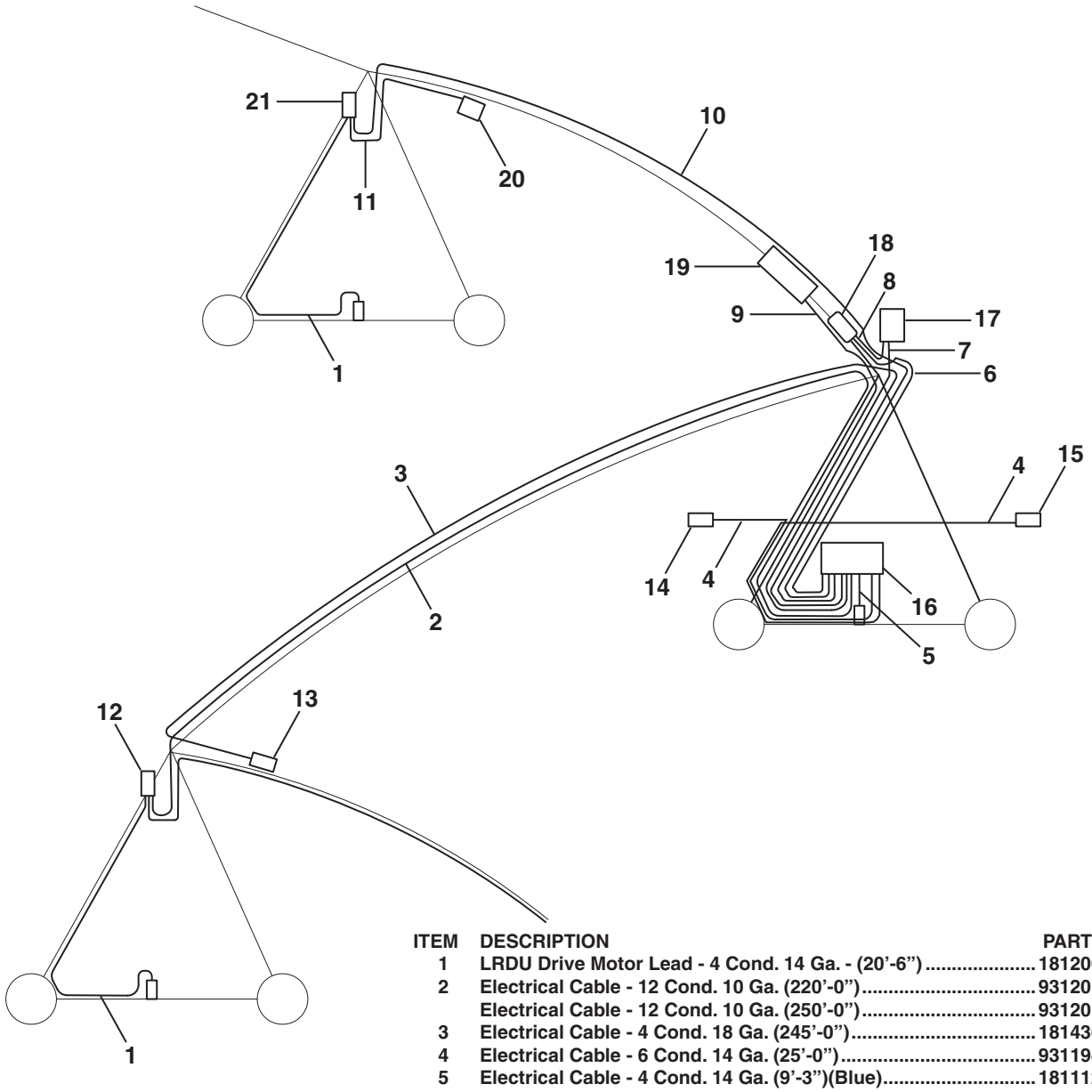
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ITEM	DESCRIPTION	PART #
1	Front Door Board	03E3197
2	Relay Board	03E3196
3	CPU Board	03E3195
4	Power Supply - 15V - OBSOLETE Nov 17	03E3021
5	Fuseblock - Din Rail Mount	03E2997
6	Fuse - 5 Amp	0314859
7	Terminal Block - Din Rail Mount	03E3205
8	End Stop - Din Rail Mount	03E2996
9	Din Rail Mount - 7.50” Long	9311041
10	Relay Socket - 11 Pin 3PDT	03E1650
11	Relay - 120V AC 3PDT	0314936
12	Fuseblock - 3-Pole	03E1735
13	Fuse - 5 Amp 600V Class CC	03E1678

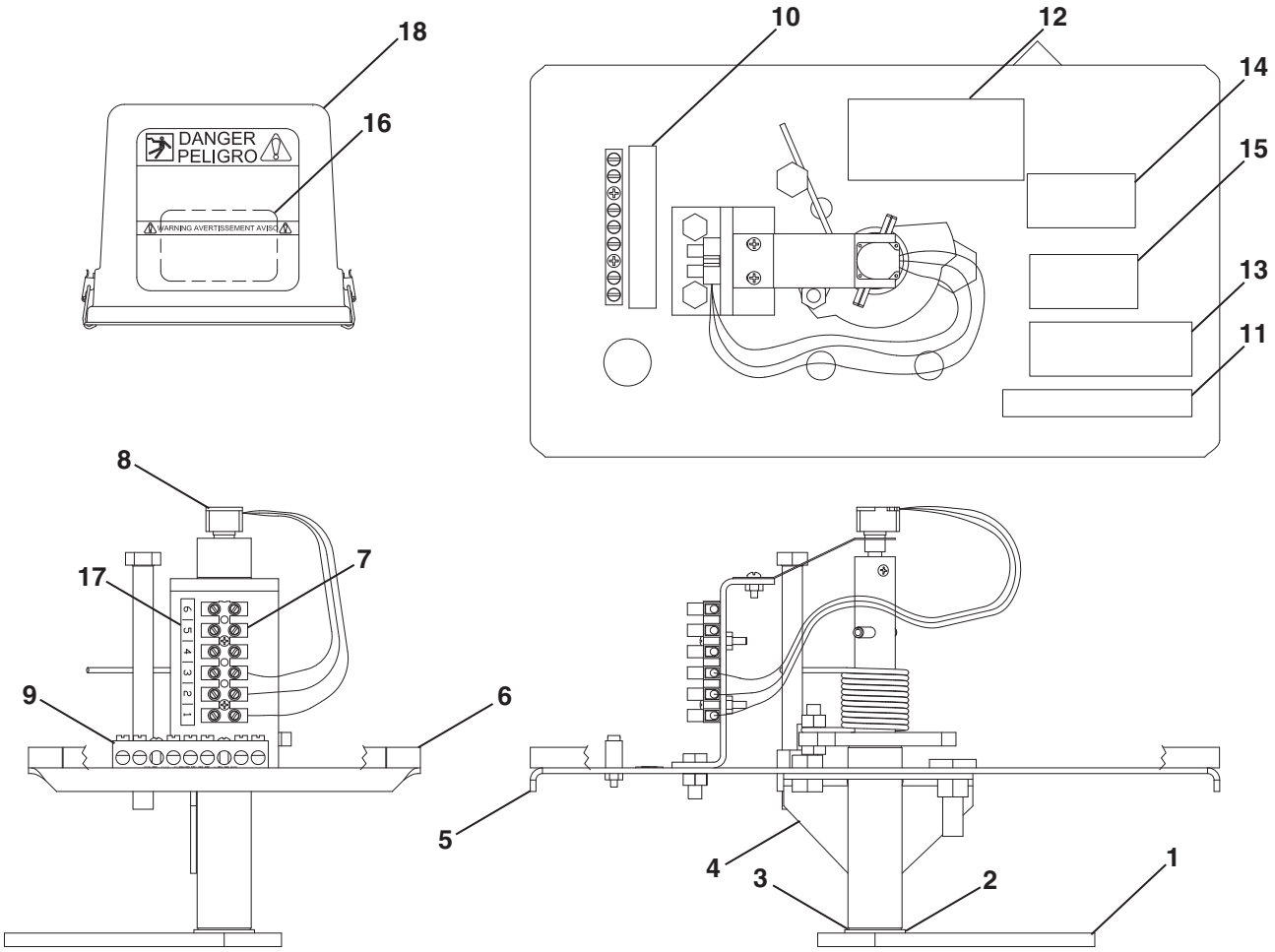
ITEM	DESCRIPTION	PART #
14	Contactor	03E2061
15	Terminal - Din Rail Mount	03E3205
16	Terminal Ground - Din Rail Mount	03E3192
17	Jumper	03E3206
18	End Stop	03E2996
19	Din Rail Mount - 17.00” Long	9310607
20	Ground Lug	0315120
21	Antenna Interface Board	03E3191
22	Disconnect	0314540
23	Snap-In Circuit Board Spacer	03E0412
24	#8 x 1/2 Self-Tapping Screw - Phillips Head	0161355
25	#8 x 7/8” Self-Tapping Screw - Phillips Head	0161356
26	#8 x 1/2” Screw - Slot Head	0164055

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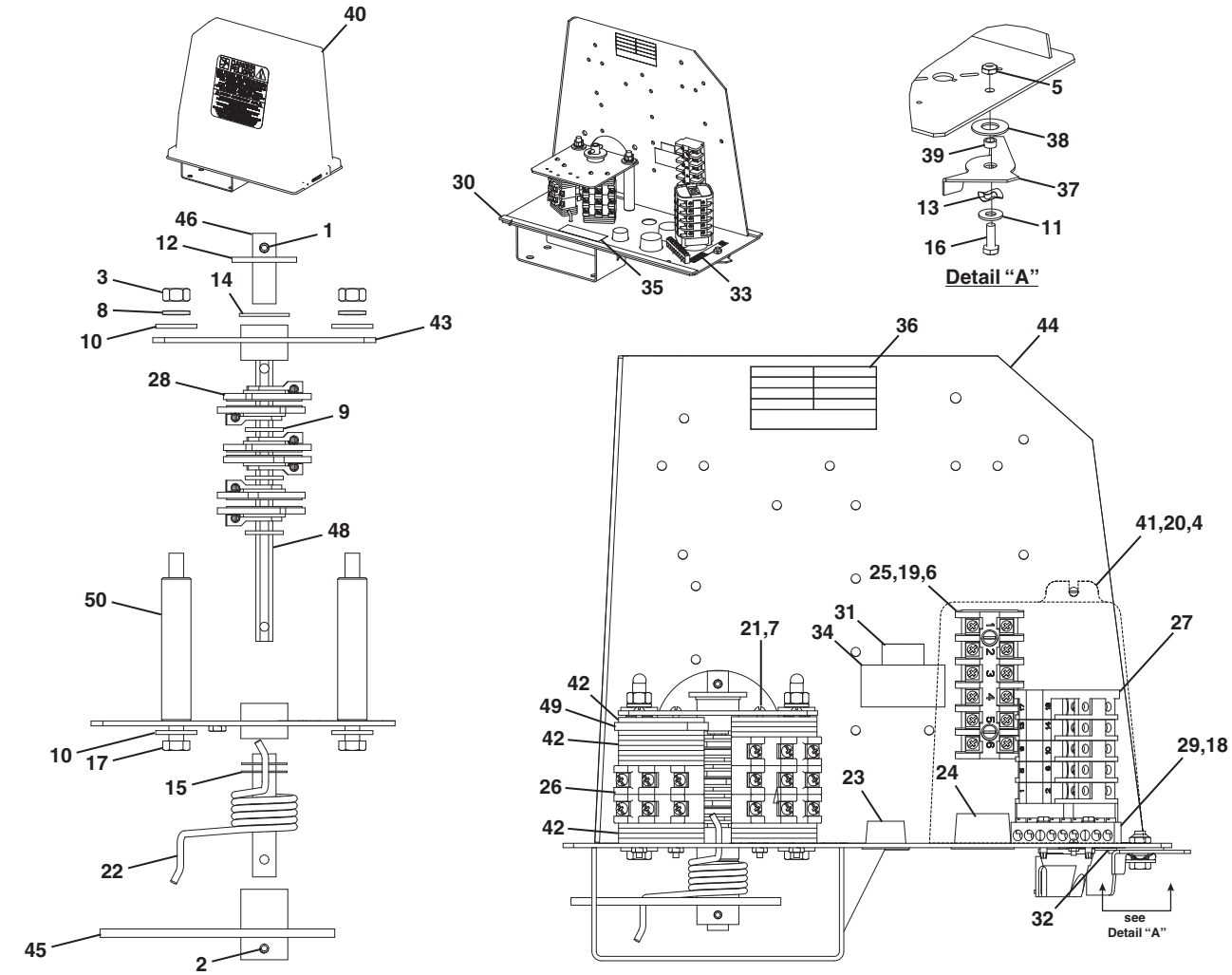
ITEM	DESCRIPTION	PART #
1	LRDU Drive Motor Lead - 4 Cond. 14 Ga. - (20’-6”)	1812008
2	Electrical Cable - 12 Cond. 10 Ga. (220’-0”)	9312013
	Electrical Cable - 12 Cond. 10 Ga. (250’-0”)	9312014
3	Electrical Cable - 4 Cond. 18 Ga. (245’-0”)	1814369
4	Electrical Cable - 6 Cond. 14 Ga. (25’-0”)	9311944
5	Electrical Cable - 4 Cond. 14 Ga. (9’-3”)(Blue)	1811129
6	Electrical Cable - 4 Cond. 18 Ga. (35’-0”)	9311946
7	Electrical Cable - 12 Cond. 10 Ga. (24’-0”)	9312016
8	Electrical Cable - 4 Cond. 18 Ga. (15’-0”)	9311945
9	Electrical Cable - 15 Cond. 14 Ga. (30’-0”)	9311136
10	Electrical Cable - 11 Cond. 10 Ga. (167’-0”)	1811452
	Electrical Cable - 11 Cond. 10 Ga. (190’-0”)	1813047
11	Electrical Cable - 4 Cond. 14 Ga. (24’-0”)(Pink)	1811218
12	Last Tower Box - Bolt-on	1811363
13	LRDU Angle Sensor Box	1815001
14	Antenna Box - Reverse	1751133
15	Antenna Box - Forward	1751132
16	Control Panel	9311932
17	Run Cycle Box	1815002
18	Guidance Angle Sensor Box	1815007
19	13 Solenoid Valve Box	1814354
	Solenoid Box Cover	1703791
20	Side Load Safety Box	1815000
21	Last Tower Box - Bolt-on	1811363
	Booster Pump Box	1811602

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ITEM	DESCRIPTION	PART #
1	Corner Sensor Arm Assm.	9360637
2	Sensor Arm Washer	1701269
3	Flat Washer - Stainless Steel	0143047
4	Sensor Bearing Assm. w/Bushing	1703336
5	Corner Angle Sensor Bottom Plate	9360754
6	Tower Box Gasket Kit	0992071
7	Terminal Strip - 6 Term.	03E2102
8	Potentiometer Assm. - 25 K Ohms	03E2023
9	Ground Lug	0315120
10	Decal - Ground	0992925
11	Decal - Copper Wire Only, 60° C	0994836
12	Decal - Label C. UL Enclosed	0995919
13	Decal - 3R Enclosure	0996403
14	Decal - Circuit Supply - 5 VDC	0996498
15	Decal - Main Disconnect or Branch Circuit	0996500
16	Decal - Schematic	0998063
17	Decal - 6 Terminal	0999112
18	Tower Box Cover - UL	9311146
	Dual Span Inner Angle Sensor Box Assm.	1815001
	Dual Span Outer Angle Sensor Box Assm.	1815007

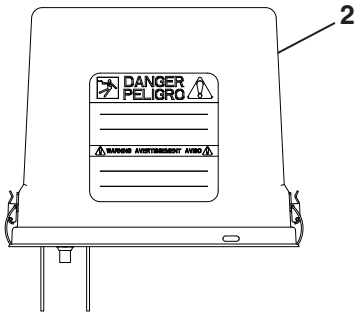
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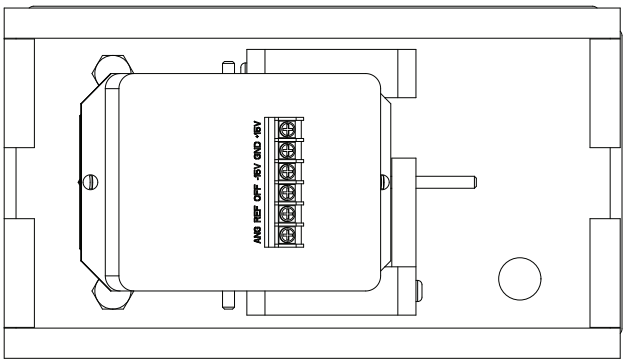


ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/16" x 1" Roll Pin	0111038
3	5/16" Hex Nut	0131019
4	#10 Hex Nut	0131055
5	1/4" Lock Nut	0133008
6	#8 Hex Nut	0134023
7	#6 Hex Nut	0134027
8	5/16" Lock Washer	0141008
9	13/32" Flat Washer	0141035
10	5/16" Flat Washer	0142017
11	1/4" Flat Washer - Wide	0142022
12	1/2" Flat Washer - Wide	0142026
13	3/8" x 3/4" Wave Washer	0143030
14	Flat Washer .062 x .522 x 1.062 - Plastic	0143037
15	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
16	1/4" x 3/4" Hex Bolt	0161057
17	5/16" x 4" Cap Screw	0161181
18	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
19	#8 x 1-1/4" Machine Screw - Round Head	0164051
20	#10 x 1/2" Machine Screw	0164096
21	#6 x 3-1/2" Machine Screw - Round Head	0164097
22	Spring	0181066
23	Caplug 12	0261008
24	Caplug 15X	0261010
25	Terminal Strip Board - 6 Pole	0314129
26	Microswitch - Minimum Travel	0314213
27	Power Disconnect Switch - 10 Pole	0314540

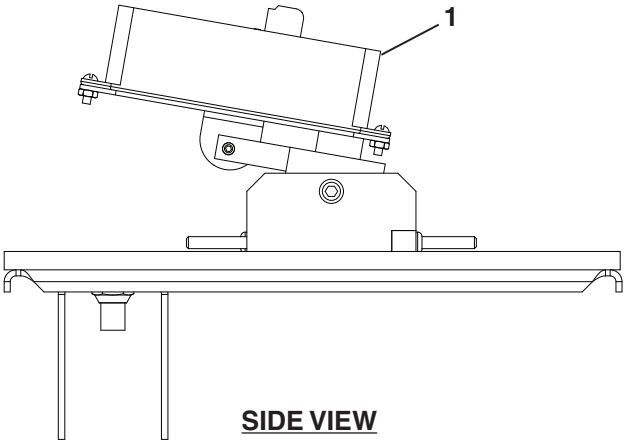
ITEM	DESCRIPTION	PART #
28	Adjustable CAM	0314630
29	Ground Lug	0315120
30	Scotch Foam Tape	0991197
31	Decal - 3 Pole Relay	0991682
32	Decal - Dicsonnect	0992090
33	Decal - Ground	0992925
34	Decal - UL Power Supply	0994149
35	Decal - 3R Enclosure	0996403
36	Decal - Terminal Block Torque Copper Wire	0998450
37	Tower Box Latch CAM	1701244
38	Sensor Arm Washer	1701269
39	Bushing & Spacer	1701270
40	Electrical Box Cover Assm. - Tall	1701418
41	Disconnect Sheid Assm	1701612
42	Sensor Base Insulator	1701632
43	Top Plate Assm	1750385
44	Run Cycle Box Assm	1750565
45	Control Bar Mount Assm.	1750568
46	Upper Bushing	1750587
47	Lower Bushing	1750588
48	Hex Shaft	1750589
49	CAM Spacer	1750722
50	Stand-Off	1750858
51	Potentiometer Assm. - 5 K Ohms	03E3208
	Dual Span Run Cycle Box Assm.	1815002

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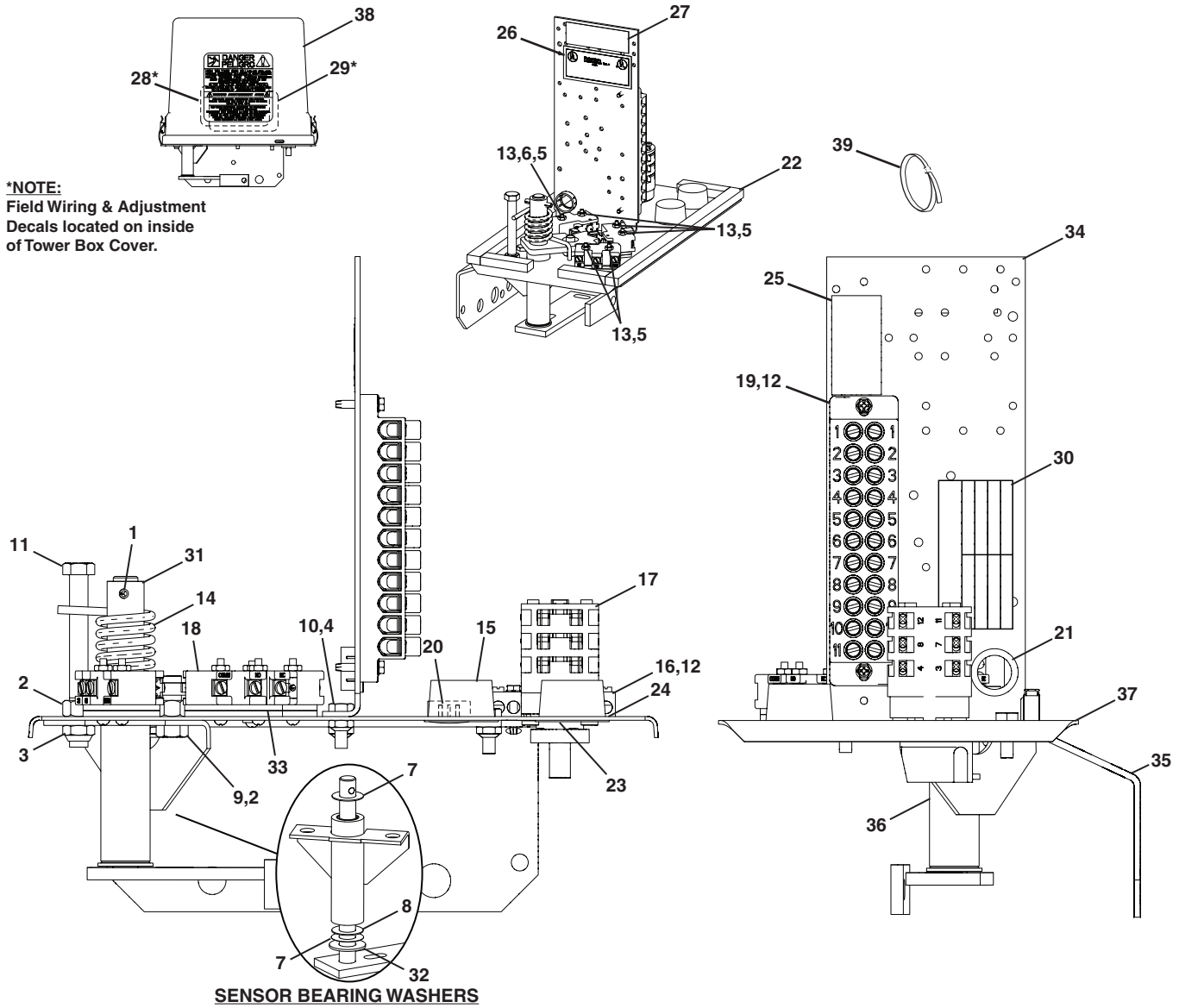
TOP VIEW



SIDE VIEW

ITEM	DESCRIPTION	PART #
1	Dual Span Forward Antenna Assm.	1751132
	Dual Span Reverse Antenna Assm.....	1751133
2	Antenna Box Assm.	1750935

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***NOTE:**
Field Wiring & Adjustment Decals located on inside of Tower Box Cover.

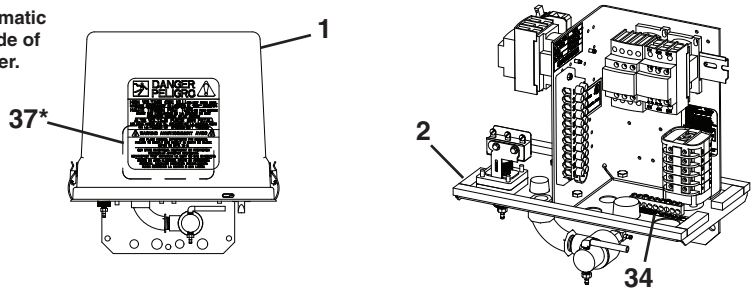
SENSOR BEARING WASHERS

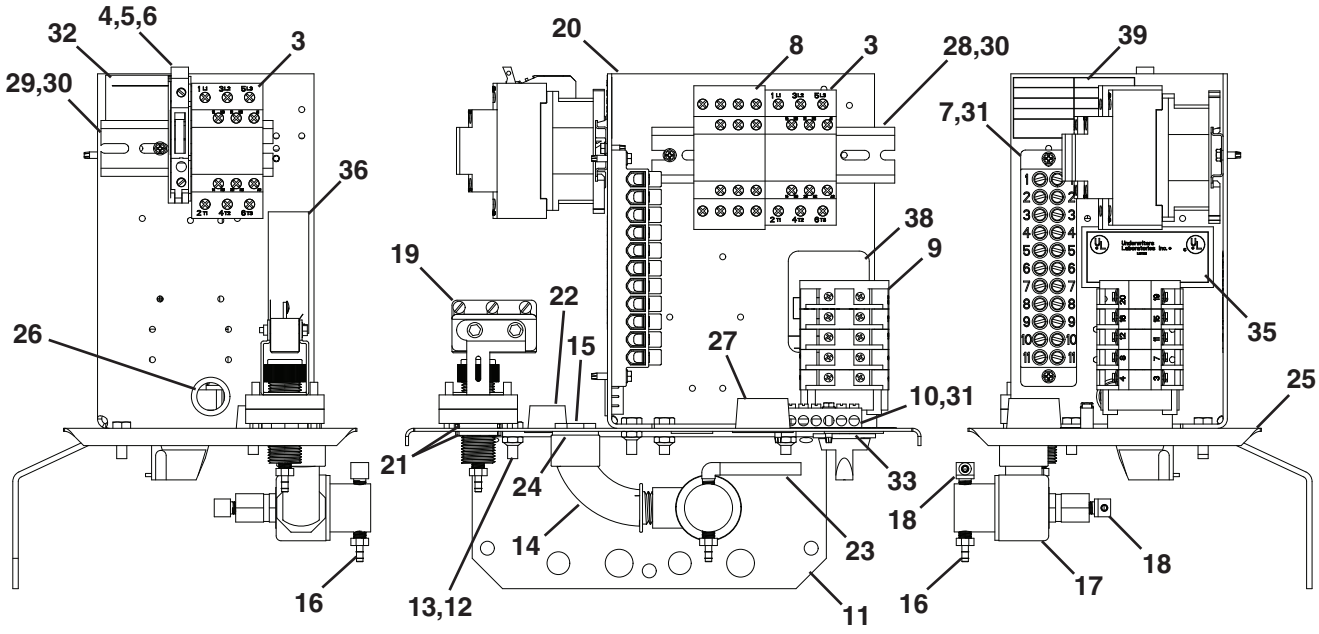
ITEM	DESCRIPTION	PART #
1	3/16" x 1-1/4" Roll Pin	0111017
2	3/8" Hex Nut	0131018
3	3/8" Lock Nut	0133006
4	1/4" Lock Nut	0133008
5	#6 Hex Nut	0134027
6	#6" Flat Washer	0142074
7	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
8	Flat Washer .010 x .512 x .996 - Stainless Steel	0143066
9	3/8" x 1" Cap Screw	0161045
10	1/4" x 3/4" Cap Screw	0161057
11	3/8" x 3-1/2" Long Cap Screw	0161150
12	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
13	#6 x 1-1/4" Machine Screw - Round Head	0164054
14	Spring	0181046
15	Caplug 15X	0261010
16	Ground Lug	0315120
17	Disconnect Switch	0315746
18	Micro Switch - Minimum Travel	03E0307
19	Terminal Block	03E1899
20	Snap Button Hole Plug	03E2166
21	Snap Bushing	0992070

ITEM	DESCRIPTION	PART #
22	Gasket Kit	0992071
23	Decal - Disconnect	0992090
24	Decal - Ground	0992925
25	Decal - UL Circuit Supply	0994147
26	Decal - C.UL Enclosed	0995919
27	Decal - 3R Enclosure	0996403
28	Decal - Field Wiring	0997627
29	Decal - Field Adjustment	0997628
30	Decal - Terminal Block Torque Copper Wire	0998450
31	Switch Pivot Arm Assembly	1701262
32	Sensor Arm Washer	1701269
33	Sensor Base Insulator	1701632
34	Vertical Bracket	1702053
35	Mounting Plate	1702054
36	Sensor Bearing Assembly w/Bushings	1703336
37	Bottom Plate w/3 Microswitches	1703823
38	Electric Tower Box Cover - UL	9311146
39	Wire Tie	0314225
	Dual Span Cable Safety Box Assm.	1815000

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

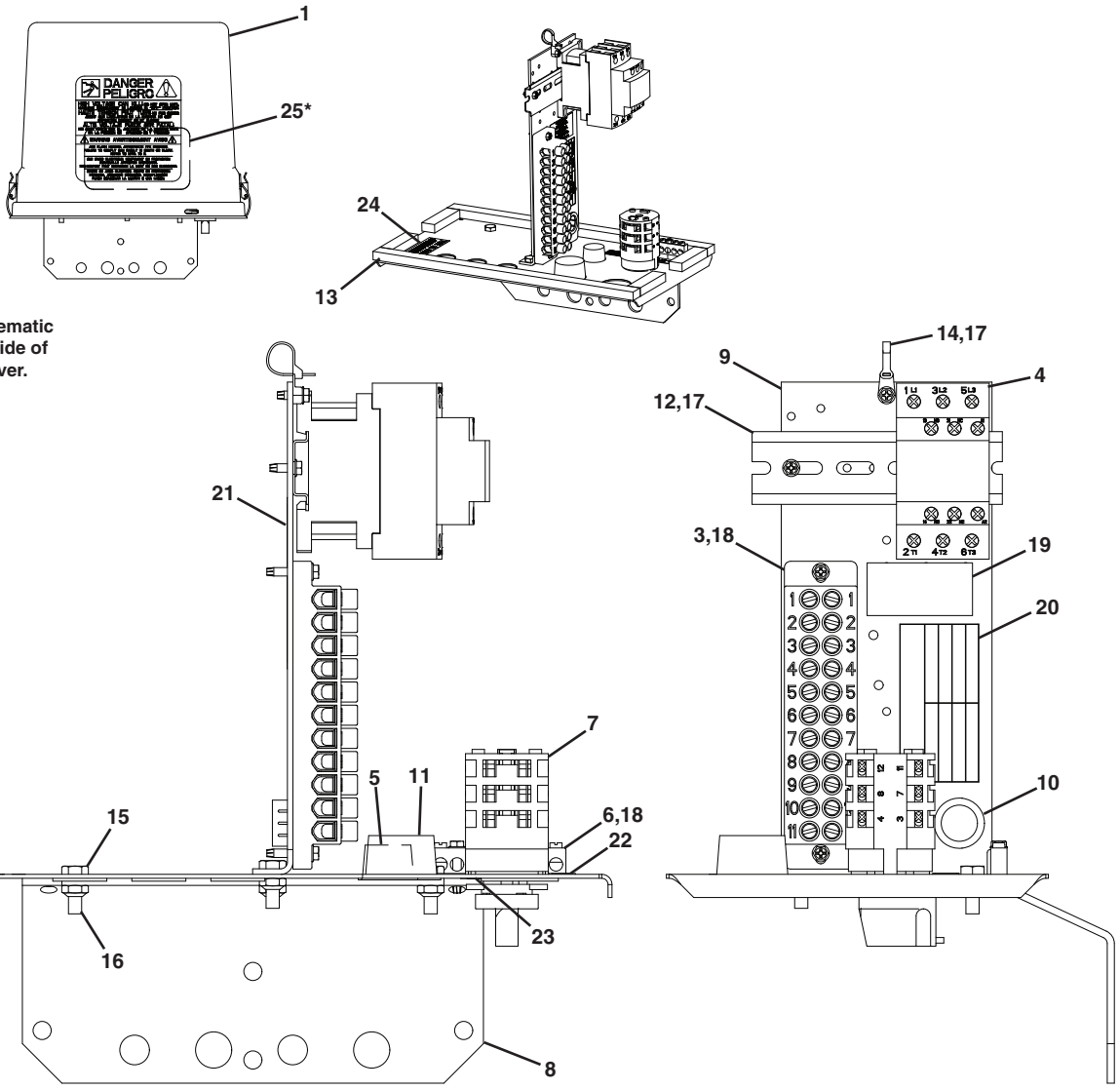




ITEM	DESCRIPTION	PART #
1	Tower Box Cover - UL	9311146
2	Gasket Kit	0992071
3	3 Pole Contactor - 25A 120V (Boxed)	03E3785
4	Fuse - 1.5A	0314858
5	Fuse Block - Din Rail Mount	03E2997
6	Fuse Block Cover	03E2998
7	Terminal Block, 600V	03E1899
8	4 Pole Contactor - 40A 120V	03E3542
9	Disconnect Switch	0314540
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
21	1/2" Romax Nut	0314160

ITEM	DESCRIPTION	PART #
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 - C.UL Enclosed	0995919
36	Decal - 3R Enclosure	0996403
37	Decal - Electrical Schematic	0997151
38	Decal - Electrical Specifications	0997164
39	Decal - Terminal Block Torque Copper Wire	0998450
	Booster Pump Box Assm.	1811602

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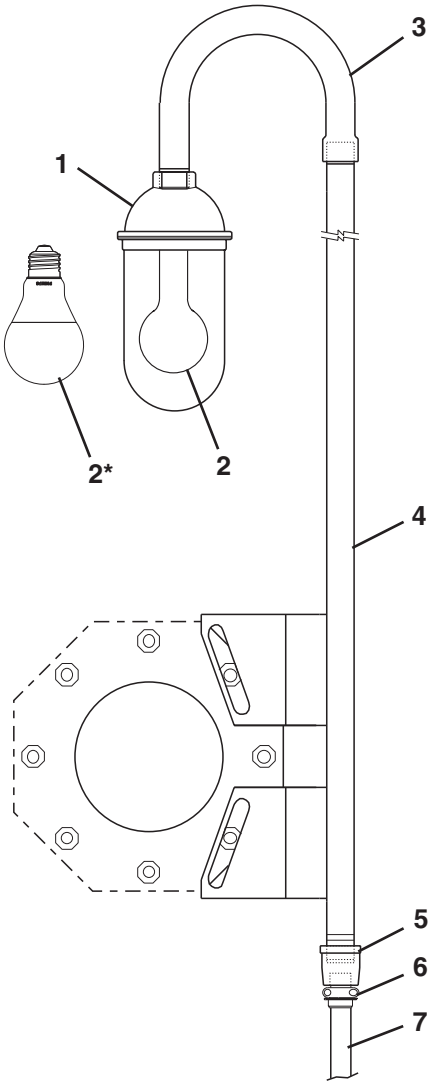


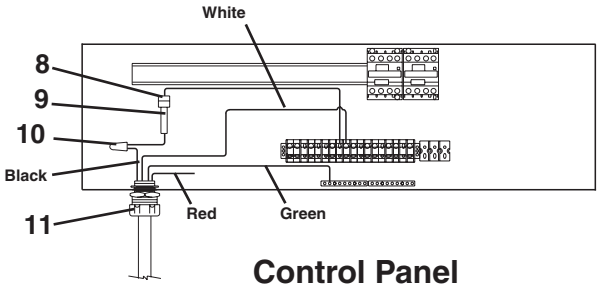
***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.

ITEM	DESCRIPTION	PART #
1	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
14	Harness Tie	0314793

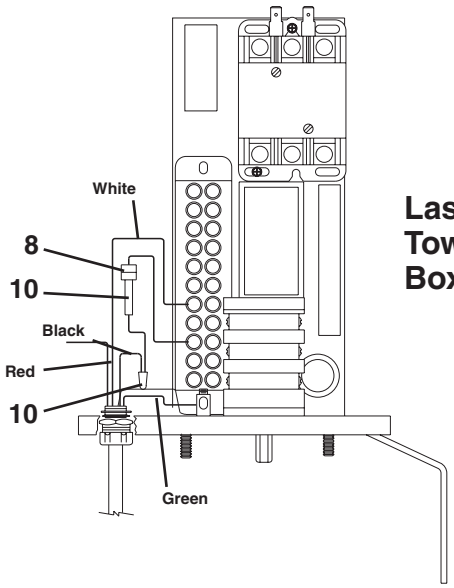
ITEM	DESCRIPTION	PART #
15	1/4" x 3/4" Cap Screw	0161057
16	1/4" Lock Nut	0133008
17	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
18	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
19	Decal - Power Supply	0994149
20	Decal - Terminal Block Torque Copper Wire	0998450
21	Decal - C.UL Enclosed	0995919
22	Decal - Ground	0992925
23	Decal - Disconnect	0992090
24	Decal - 3R Enclosure	0996403
25	Decal - Electrical Schematic	0997152
	COMPLETE Last Tower Box Assm.	1811363

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Control Panel



Last Tower Box

ITEM	DESCRIPTION	PART #
1	Globe & Pendant Assembly	0315737
2	69 Watt Bulb	0314820
	9W or 9.5W LED Bulb (60 or 75W Equivalent)	03E3825*
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

*** NOTE: LED Bulb can be used as an alternate.**

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VALLEY CORNER

Effective 3/09

Description	Rev. #	Pg. #
Last Regular Drive Unit (LRDU)		
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Cradle Rollers	03-09	4-7
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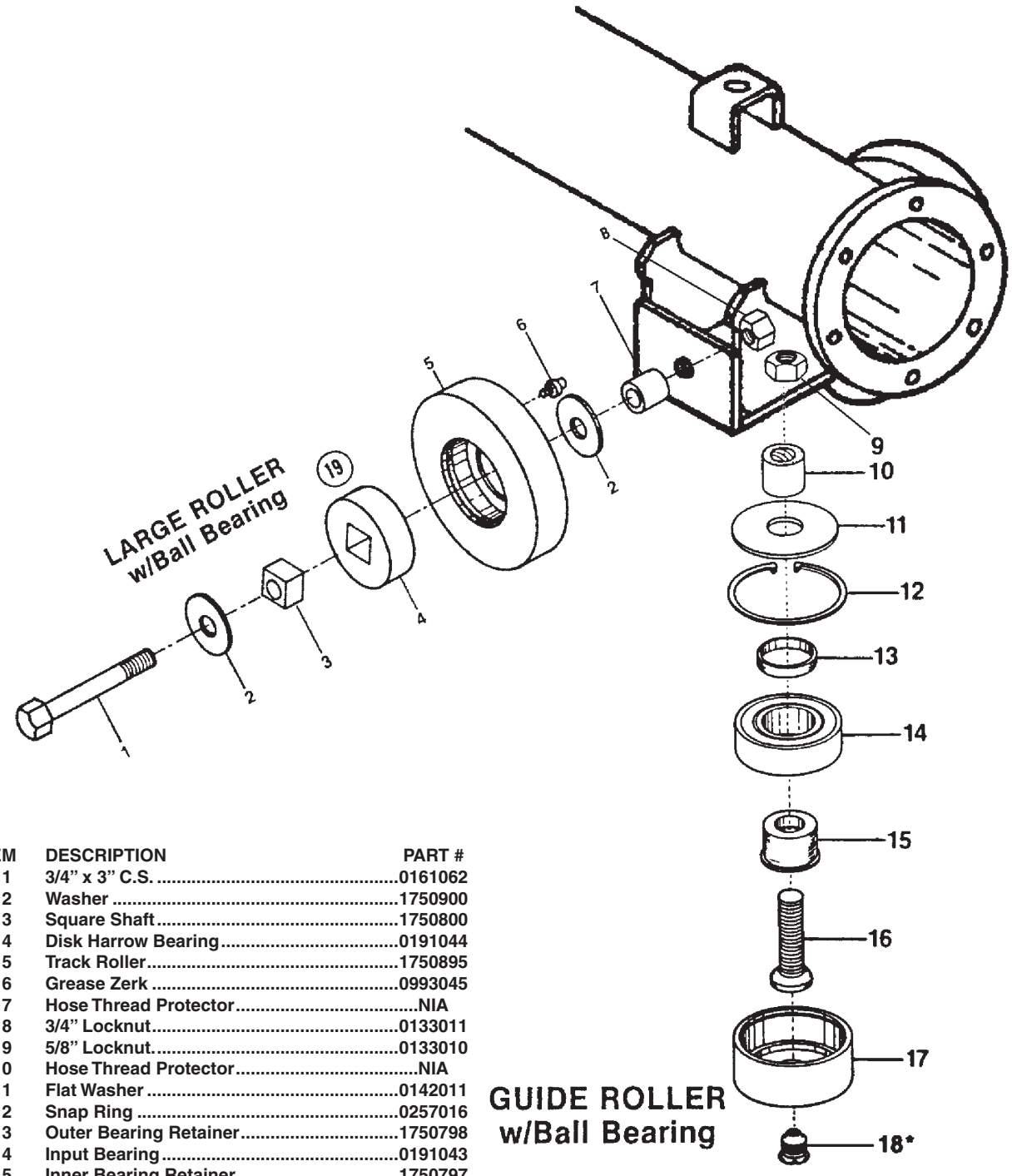
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LRDU Swivel Area

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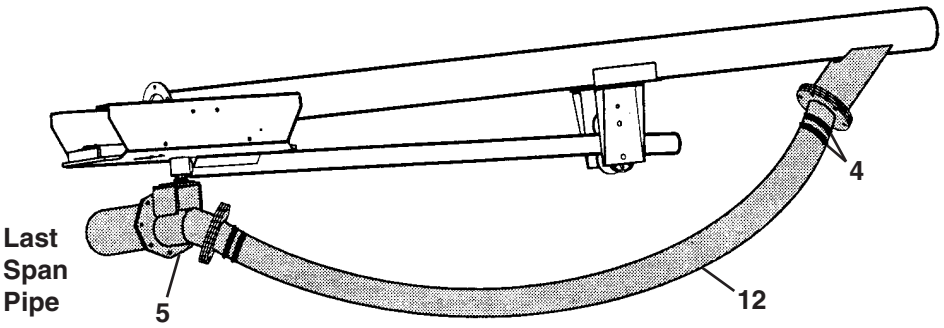
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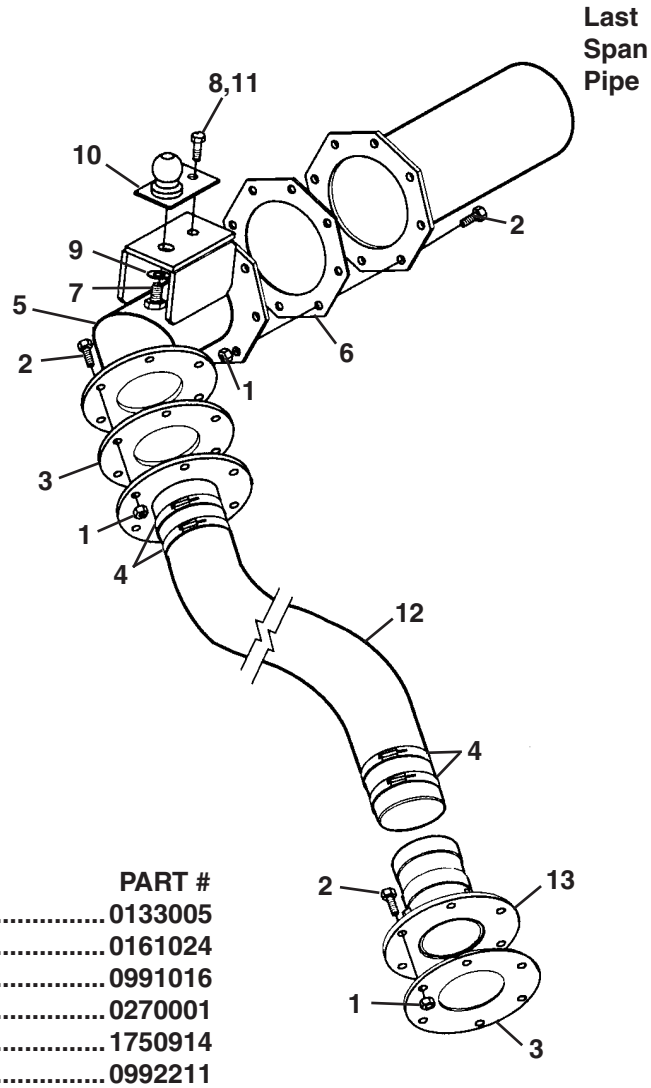


ITEM	DESCRIPTION	PART #
1	3/4" x 3" C.S.	0161062
2	Washer	1750900
3	Square Shaft	1750800
4	Disk Harrow Bearing	0191044
5	Track Roller	1750895
6	Grease Zerk	0993045
7	Hose Thread Protector	NIA
8	3/4" Locknut	0133011
9	5/8" Locknut	0133010
10	Hose Thread Protector	NIA
11	Flat Washer	0142011
12	Snap Ring	0257016
13	Outer Bearing Retainer	1750798
14	Input Bearing	0191043
15	Inner Bearing Retainer	1750797
16	Modified Cap Screw	1750801
17	Guide Roller	1750796
18	Grease Zerk	0991806
19	Large Roller with Ball Bearing	1750896
20	Guide Roller with Ball Bearing	1750804
	Large Roller Bearing Kit (incl. 2 ea.)	0000941
	Guide Roller Bearing Kit (incl. 2 ea.)	KA00417

*This grease zerk requires grease gun fitting 0991807.

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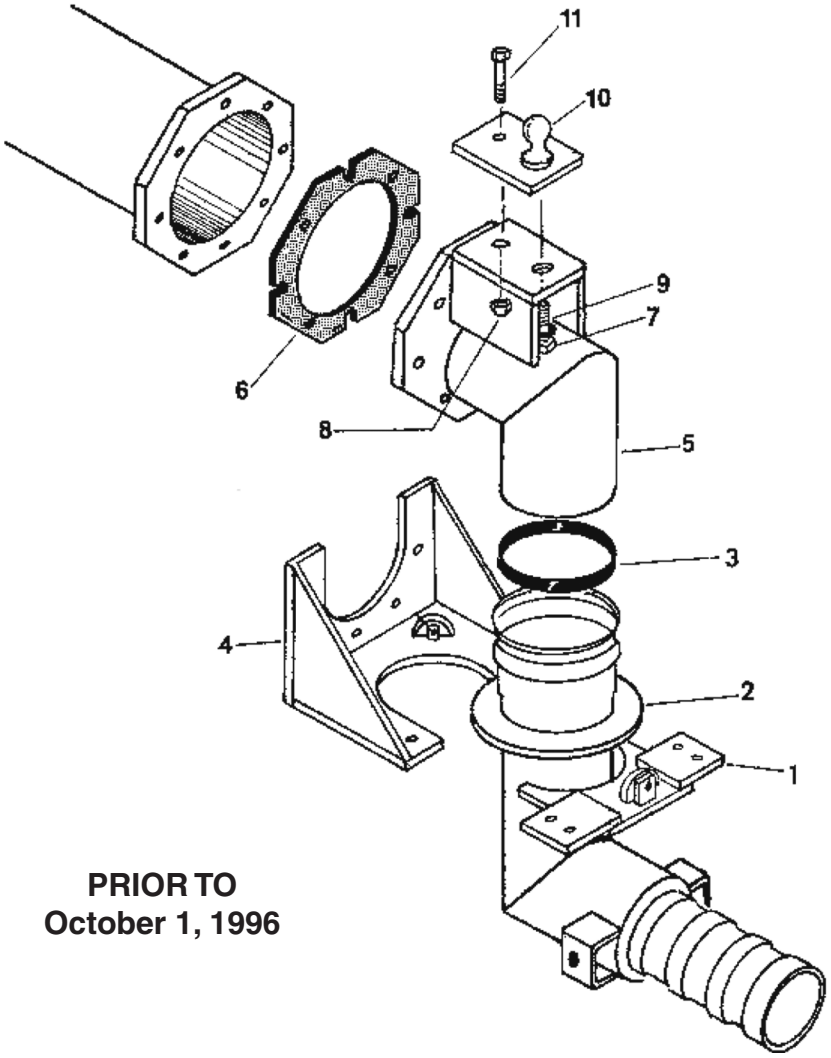


EFFECTIVE
October 1, 1996

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 2" Cap Screw	0161024
3	6" Rubber Gasket	0991016
4	4-1/2" Flex Joint Clamp w/Liner	0270001
5	Ball Mount Assemby	1750914
6	6-5/8" Flange Gasket	0992211
7	1" x 1-3/4" Cap Screw	0161331
8	5/8" Lock Nut	0133010
9	1" Lock Washer	0141010
10	Ball Hitch Keeper Plate	1750645
11	5/8" x 1-3/4" Cap Screw	0161088
12	4-1/2" Hose	0272010*
13	6" Stub Assembly	1751071

*** NOTE: Hose is 6" longer than previous & double the ply.**

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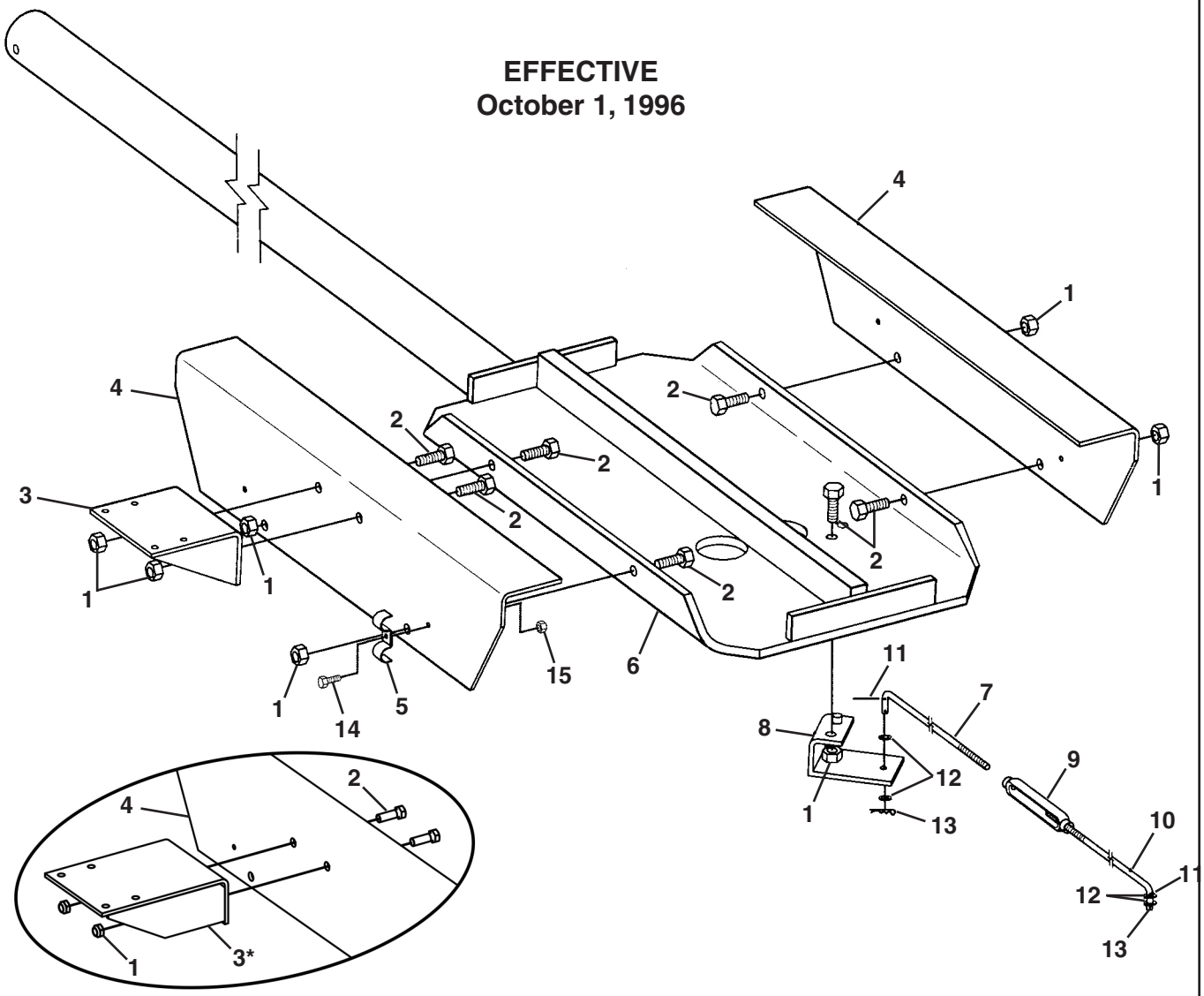


PRIOR TO
October 1, 1996

ITEM	DESCRIPTION	PART #
1	Swivel Keeper Assembly	1750605
2	Lower Swivel Assembly	1750547
3	5" Western Gasket	0221014
4	Swivel Mount Assembly	1750604
5	Ball Mount Assembly	1750537
6	6-5/8" Flange Gasket	0992211
7	1" x 1-3/4" Cap Screw	0161331
8	5/8" Lock Nut	0133010
9	1" Lock Washer	0141010
10	Ball Hitch Keeper Plate	1750645
11	5/8" x 1-3/4" Cap Screw	0161088

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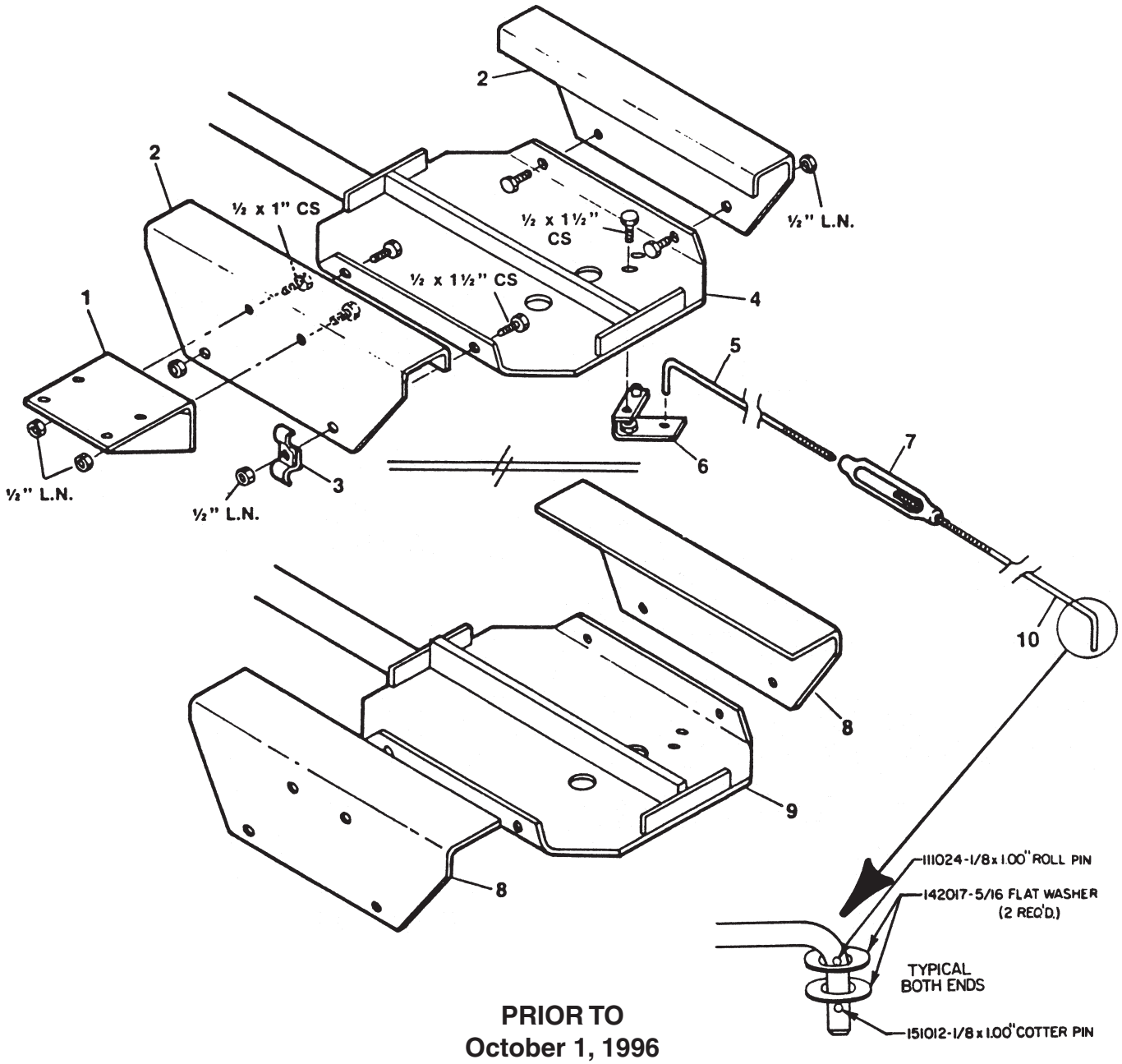
EFFECTIVE
October 1, 1996



EFFECTIVE
November 24, 2014

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005
2	1/2" x 1-1/2" Cap Screw	0161026
3	Box Mount Assembly - for NEW Run Cycle Box Assm. 1814996	1751301*
	Box Mount Assembly - for DISCONTINUED Run Cycle Box Assm. 1812378	1750559
4	Extended Roller Retainer	1750909
5	Cable Clamp	0271038
6	Extended Cradle Assembly	1750912
7	Rod - Sprinkler Box (Long)	1750901
8	Sprinkler Control Tab	1750707
9	5/16" x 4-1/2" Turnbuckle	0202029
10	Rod - Sprinkler Box (Short)	1750902
11	1/8" x 1" Roll Pin	0111024
12	5/16" Flat Washer	0142017
13	1/8" x 1" Cotter Pin	0151012
14	1/4” x 3/4” Cap Screw	0161057
15	1/4” Lock Nut	0133008

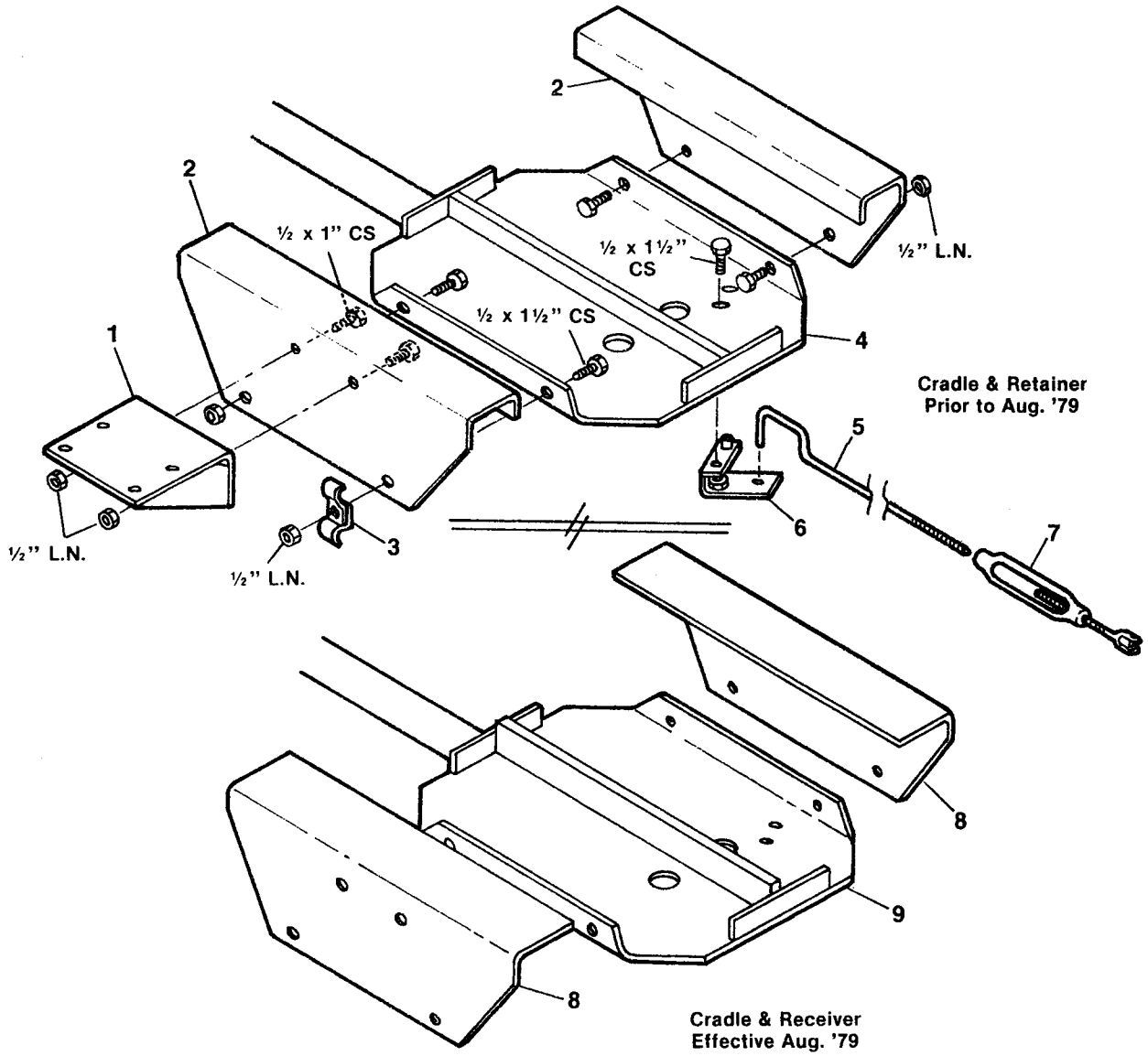
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PRIOR TO
October 1, 1996

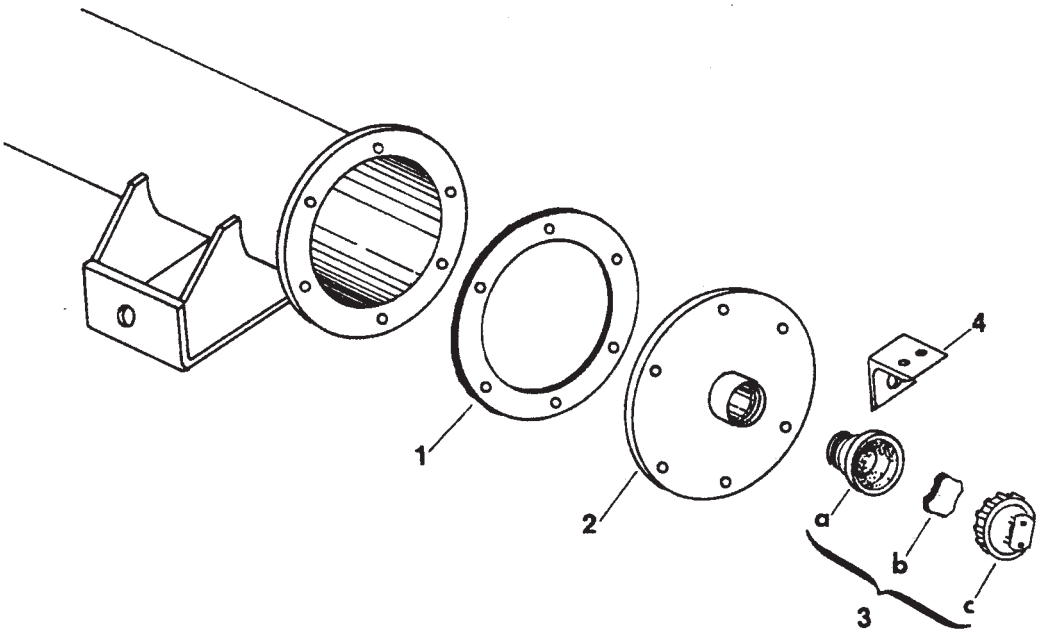
ITEM	DESCRIPTION	PART #
1	Box Mount Assembly	1750559
2	Roller Retainer	N/A
3	Cable Clamp (2 Req'd.)	0271038
4	Cradle Assembly	1750523
5	Rod - Sprinkler Box (Long)	1750901
6	Sprinkler Control Tab	1750707
7	5/16" x 4-1/2" Turnbuckle	0202029
8	Roller Retainer	1750709
9	Expanded Roller Cradle Assembly	1750695
10	Rod - Sprinkler Box (Short)	1750902

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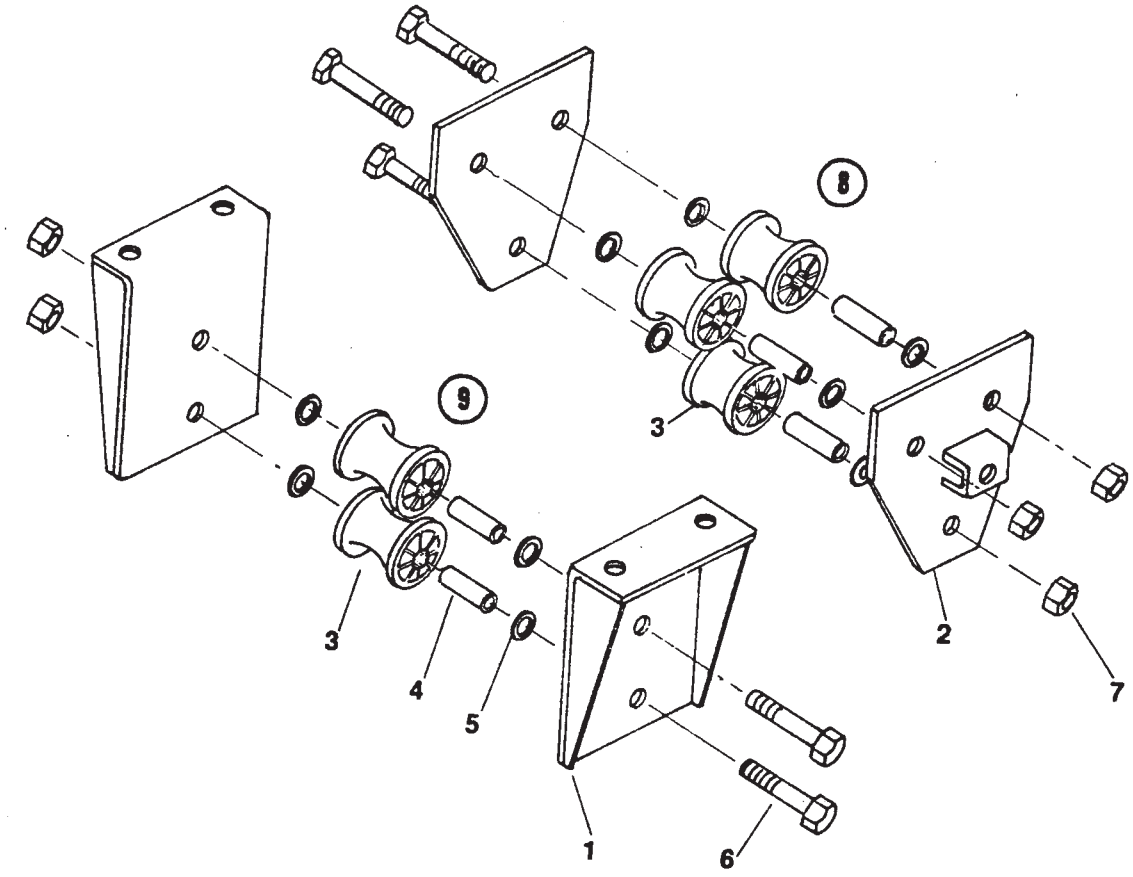
ITEM	DESCRIPTION	PART #
1	Box Mount Assembly	1750559
2	Roller Retainer	N/A
3	Cable Clamp (2 Req'd.)	0271038
4	Cradle Assembly	1750523
5	Rod - Sprinkler Box	1750590
6	Sprinkler Control Tab	1750707
7	5/16" x 4-1/2" Turnbuckle	0202019
8	Roller Retainer	1750709
9	Expanded Roller Cradle Assembly	1750695

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ITEM	DESCRIPTION	PART #
1	Flange Gasket	0991016
2	Flange w/Coupling	1750593
3	Assembly Wade Drain	
a	Drain Upper Body	0232023
b	Drain Lower Body	0232004
c	Drain Seal	0232568
4	Wire Retainer	1750621

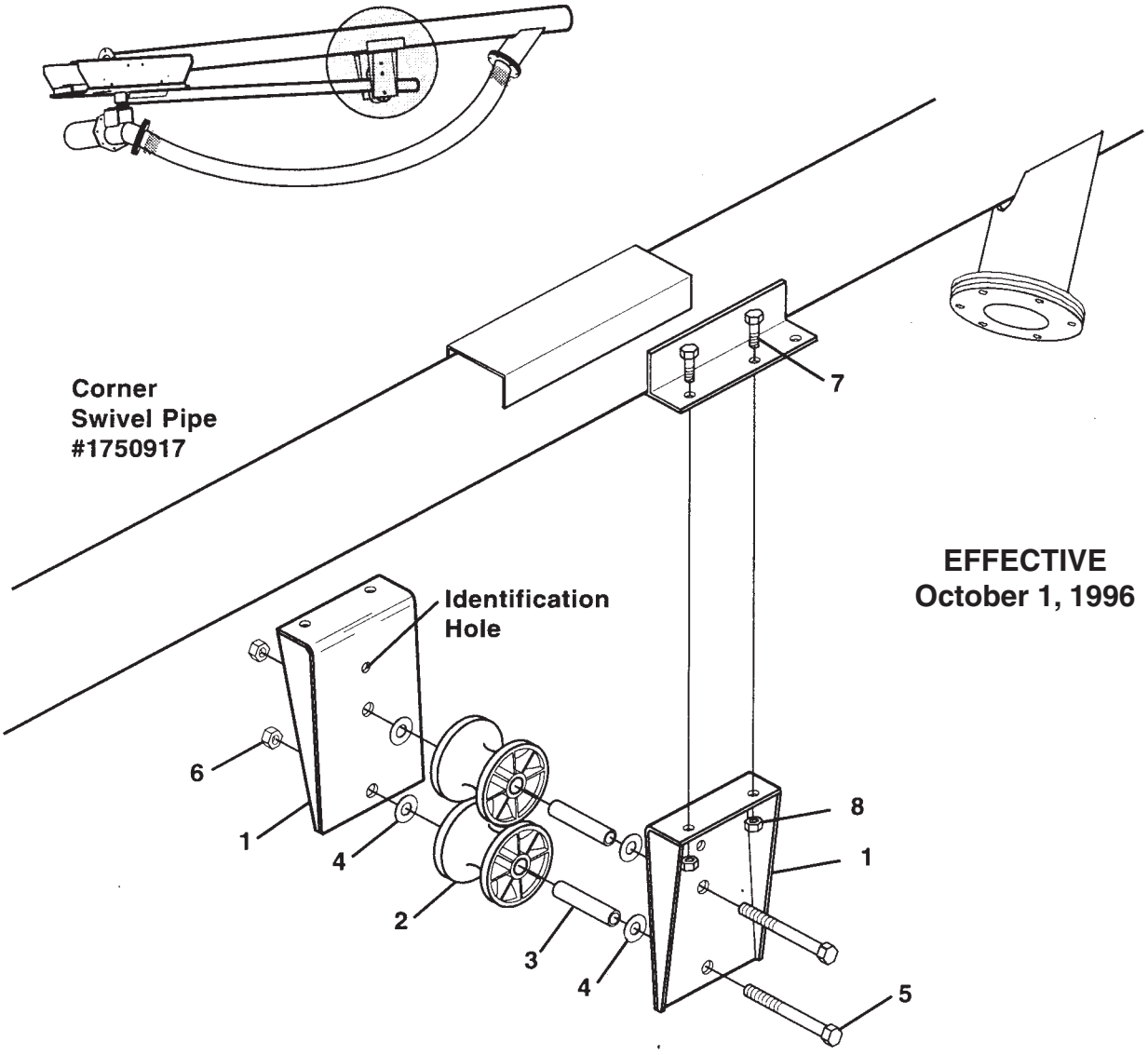
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PRIOR TO
October 1, 1996

ITEM	DESCRIPTION	PART #
1	Guide Roller Brackets	1750562
2	Swivel Roller Brackets	1750552
3	Plastic Rollers	1750577
4	Stainless Bushings	1750580
5	5/8" Stainless Washers	0143045
6	5/8" x 6" Cap Screws	0161149
7	5/8" Lock Nut	0133010
8	Swivel Roller Assembly, Complete	1750607
9	Guide Roller Assembly, Complete	1750606

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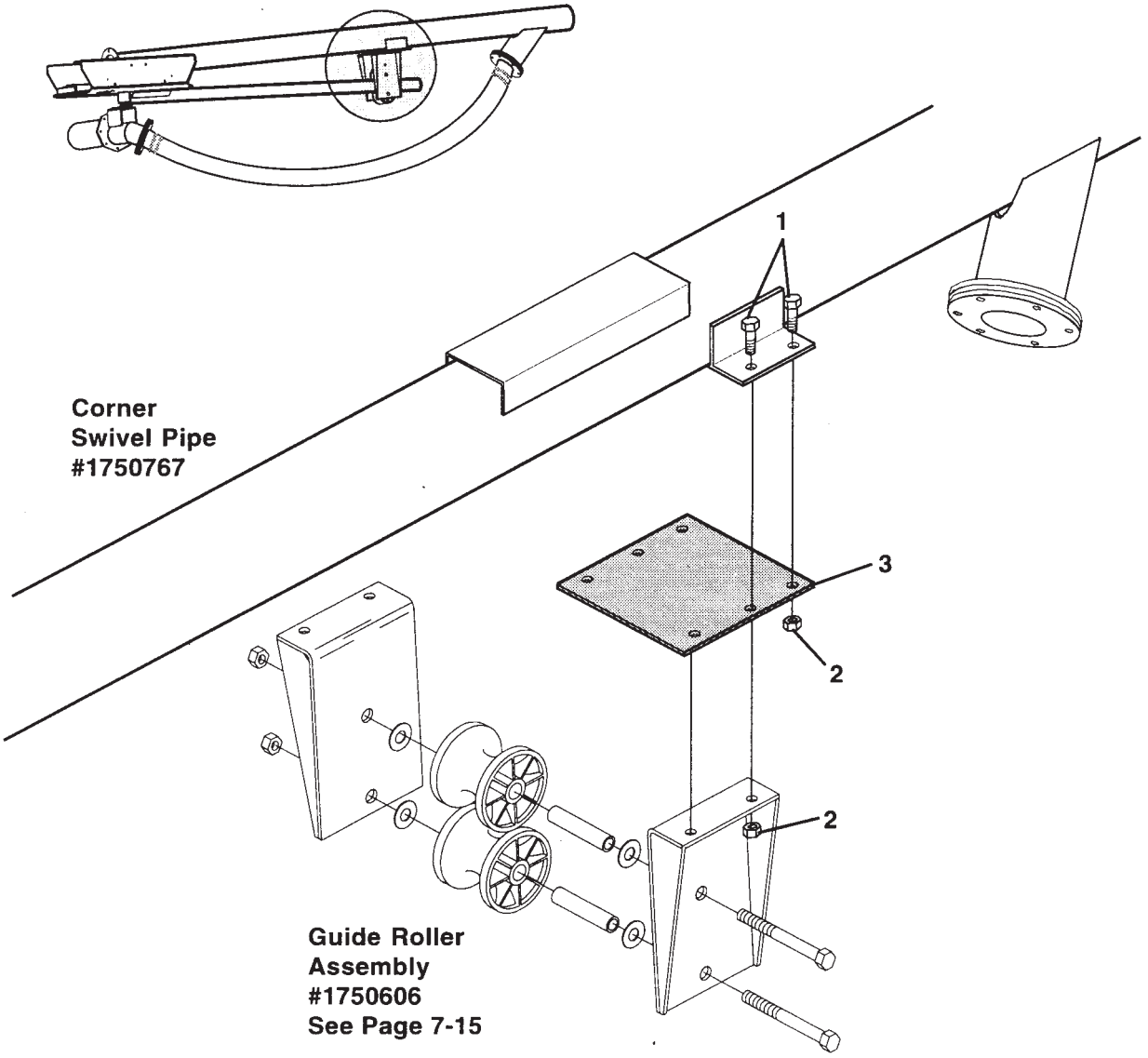


EFFECTIVE
October 1, 1996

ITEM	DESCRIPTION	PART #
1	Guide Roller Brackets	1750927
2	Plastic Rollers	1750577
3	Stainless Bushings	1750580
4	5/8" Stainless Washers	0143045
5	5/8" x 6" Cap Screws	0161149
6	5/8" Lock Nut	0133010
7	1/2" x 2" Cap Screw	0161024
8	1/2" Lock Nut	0133005

COMPLETE Guide Roller Assembly 1750928

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EFFECTIVE
October 1, 1996

ITEM	DESCRIPTION	PART #
1	1/2" x 2" Cap Screw	0161024
2	1/2" Lock Nut	0133005
3	Extended Cradle Retro-fit Roller Plate	1750929*

*** NOTE: Use on older Corner Pipe with 2-bolt hole Bracket.**

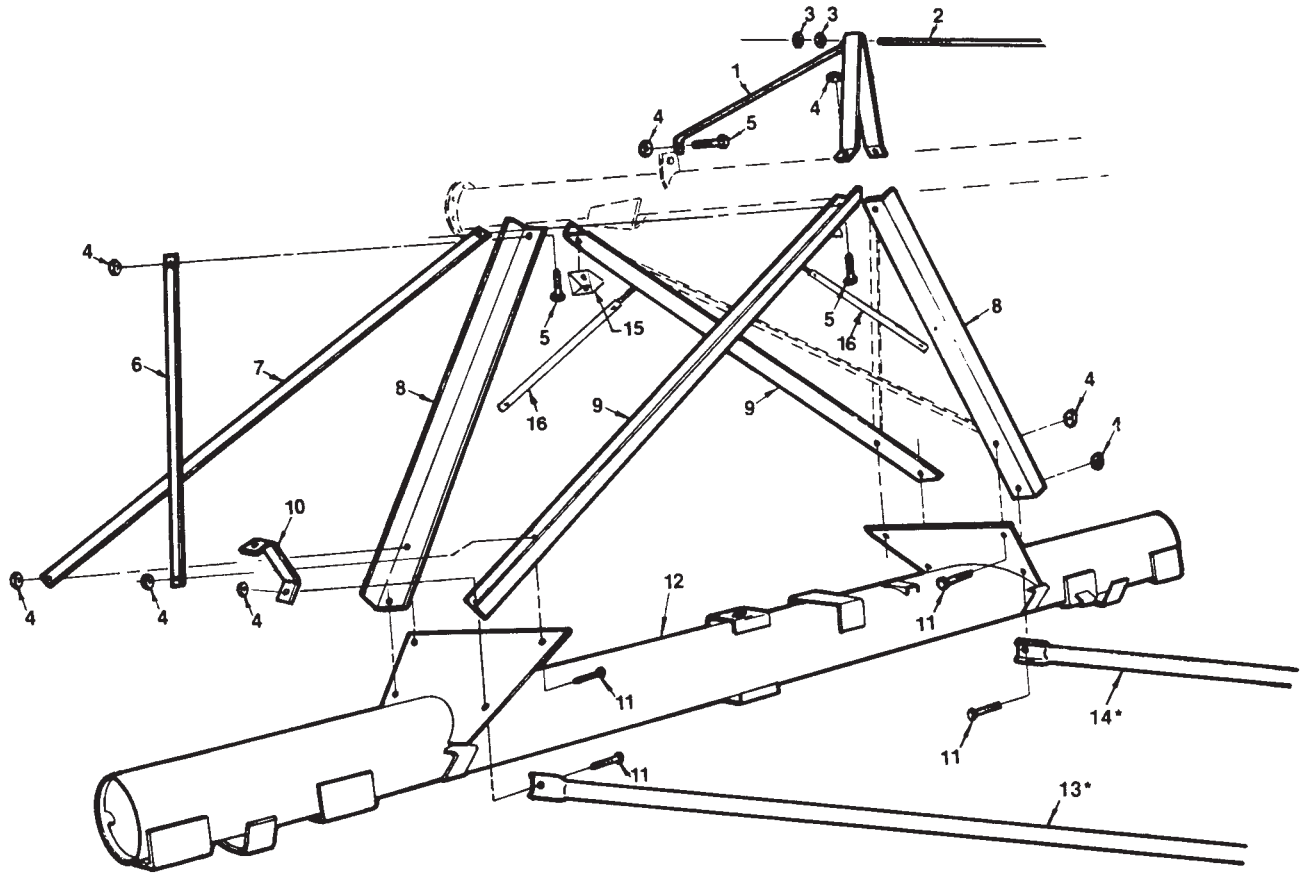
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SDU Structural

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PRIOR to 12-82

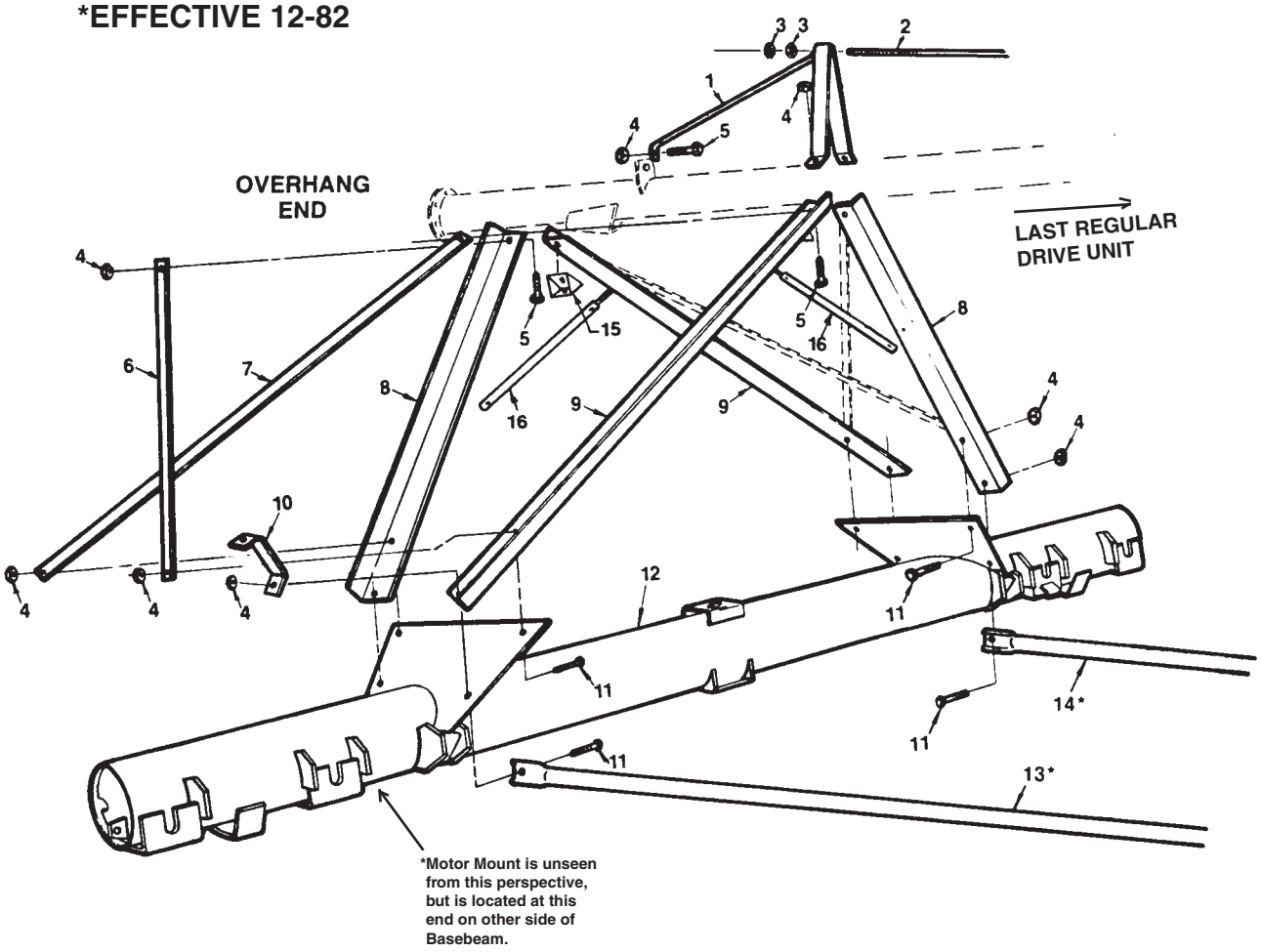


All Dimensions End-to-End

ITEM	DESCRIPTION	PART #
1	Bar Pipe Reinforcement Clamp	1750165
2	Pipe Reinforcing Rod Assembly	1750144
3	3/4" Nut	0131008
4	3/4" Lock Nut	0133011
5	3/4" x 2" Cap Screw	0161008
6	Reinforcing Strap - Short - 55-7/8"	1750137
7	Reinforcing Strap - Long - 71-5/16"	1750136
8	Angle Leg - Short - 61-1/4"	1750134
9	Angle Leg - Long - 70"	1750135
10	Cable Attachment Bracket	1750194
11	3/4" x 2-1/4" Cap Screw	0161157
12	Base Beam Assembly (Not Available)	N/A
*13	Tower Support - Long - 240"	1780420
*14	Tower Support - Short - 207-3/4"	1750132
*15	Bracket Tie Strap Assembly	1750158
16	Strap Support Leg Assembly	1750149

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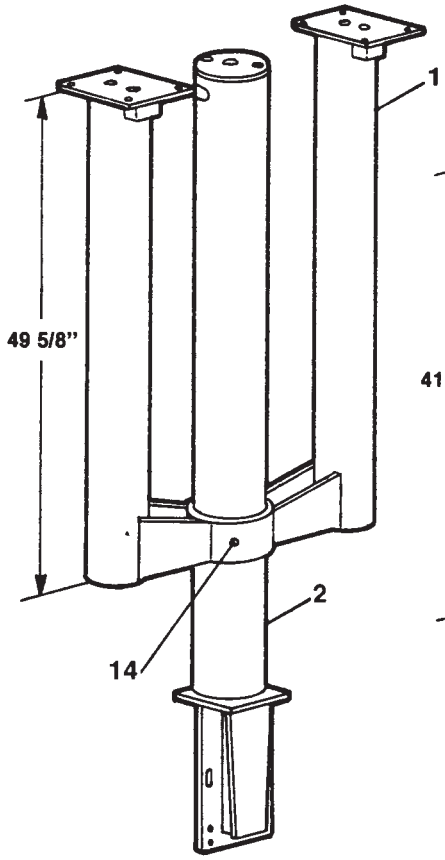
***EFFECTIVE 12-82**



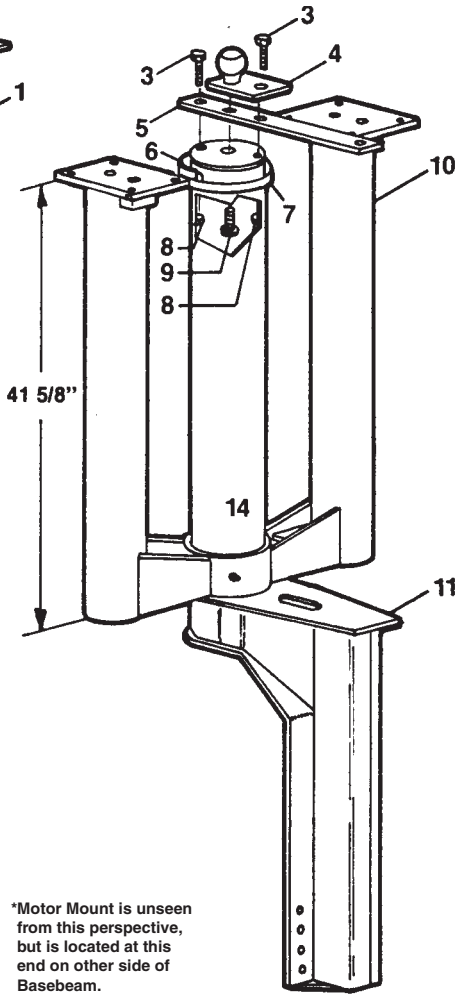
All Dimensions End-to-End

ITEM	DESCRIPTION	PART #
1	Bar Pipe Reinforcement Clamp	1750165
2	Pipe Reinforcing Rod Assembly	1750144
3	3/4" Nut	0131008
4	3/4" Lock Nut	0133011
5	3/4" x 2" Cap Screw	0161008
6	Reinforcing Strap - Short - 55-7/8"	1750137
7	Reinforcing Strap - Long - 71-5/16"	1750136
8	Angle Leg - Short - 61-1/4"	1750134
9	Angle Leg - Long - 70"	1750135
10	Cable Attachment Bracket	1750194
11	3/4" x 2-1/4" Cap Screw	0161157
12	Base Beam Assembly	1750854
*13	Tower Support - Long - 235-5/8"	1750836
*14	Tower Support - Short - 202-5/8"	1750835
15	Bracket Tie Strap Assembly	1750158
16	Strap Support Leg Assembly	1750149

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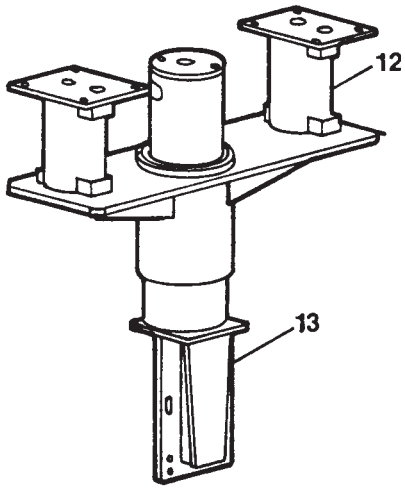


170' Corner



*Motor Mount is unseen from this perspective, but is located at this end on other side of Basebeam.

185' Corner



170' Low Profile

ITEM	DESCRIPTION	PART #
1	Wheel Support Pipe Stabilizer	1750050
2	Wheel Support Pipe	1750495
3	5/8" x 2-1/2" Cap Screw	0161011
4	Ball & Keeper Assembly	1750645
5	Steering Arm Assembly	1750439
6	Cover - Motor Lead	1750609
7	Strap Holder	0271038
8	5/8" Lock Nut	0133010
9	1" x 2-1/2" Grade 5 Cap Screw	0161174
10	Wheel Support Pipe Stabilizer	1750670
11	Offset Wheel Support Pipe	1750661
12	Low Profile Wheel Support Stabilizer	1750783
13	Low Profile Wheel Support Pipe	1750778
14	3/8" Grease Zerk w/Ball Check	0991051

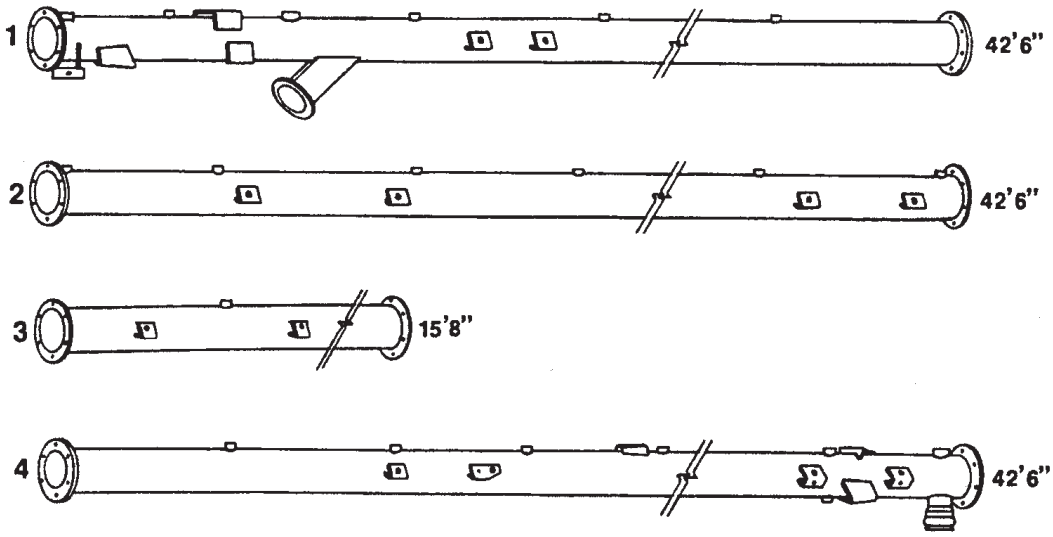
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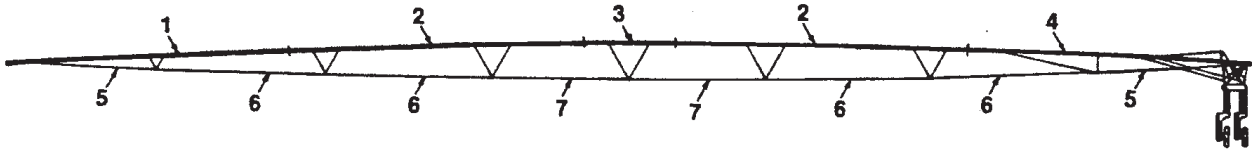
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Spans and Overhang

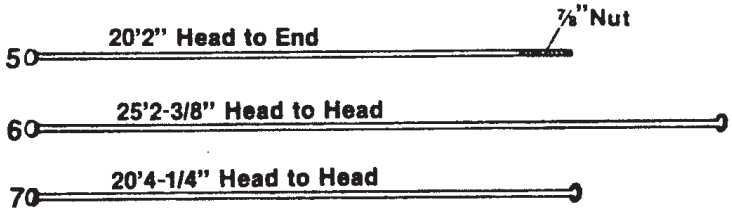
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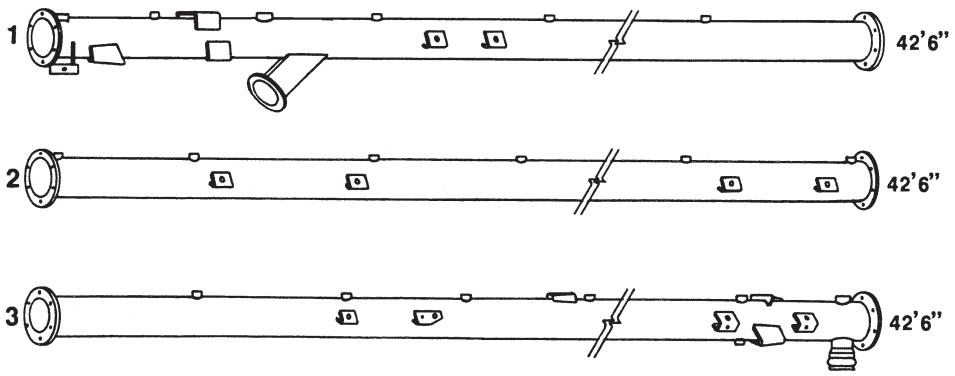


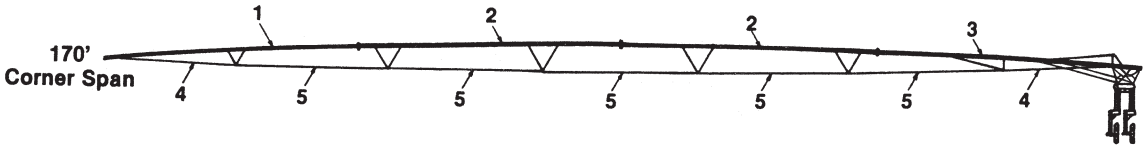
185' Corner Span

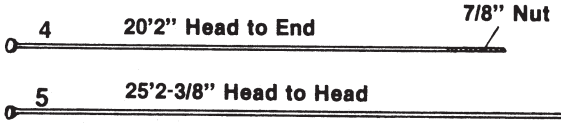


ITEM	DESCRIPTION	PART #
1	Swivel Pipe Assembly Corner	1750917
2	Intermediate Pipe Assembly	1730343
3	Intermediate Pipe Assembly, 185' Span	1730344
4	Last Pipe Assembly Corner	1750765
5	Headed Truss Rod - Tower	1701536
6	Headed Truss Rod - Middle	1701538
7	Middle Truss Rod, 185' Span	1701537

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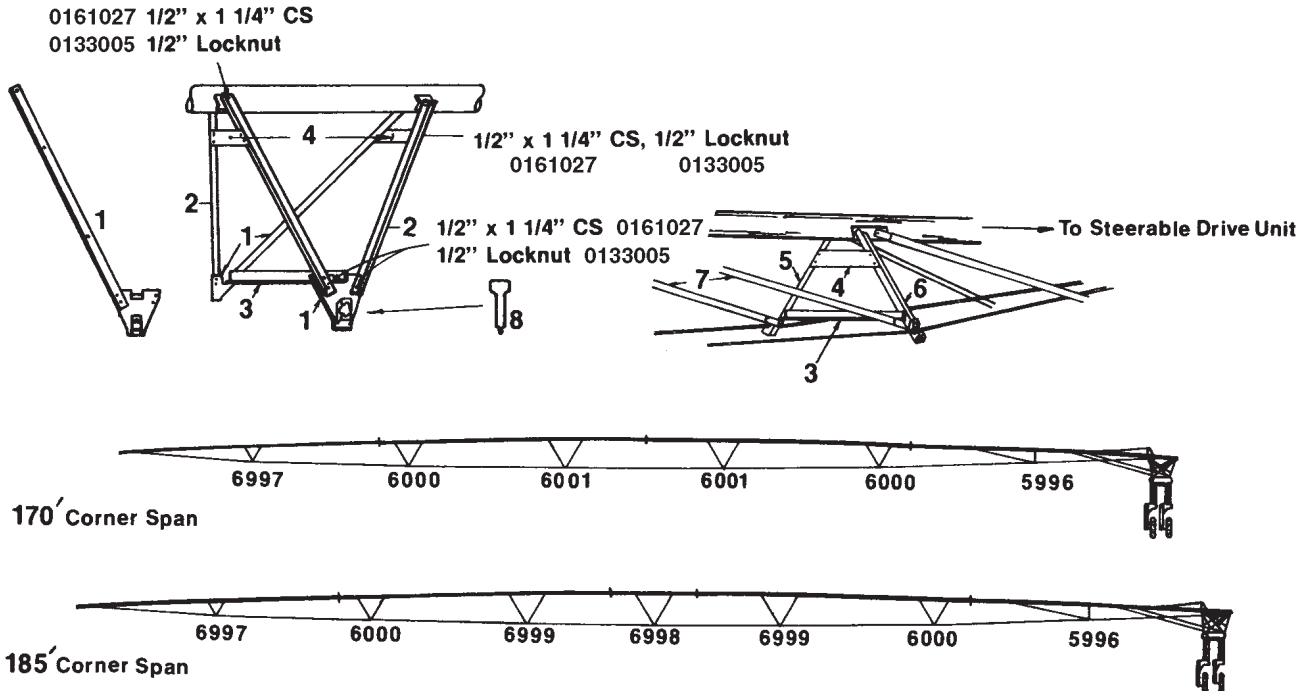




Note: Use 161024 1/2'' x 2'' Cap Screw and 133005 1/2'' Lock Nut to Connect Pipes.

ITEM	DESCRIPTION	PART #
1	Swivel Pipe Assembly Corner	1750917
2	Intermediate Pipe Assembly	1730343
3	Last Pipe Assembly Corner	1750765
4	Headed Truss Rod - Tower	1701536
5	Headed Truss Rod - Middle	1701538

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TRUSS ASSEMBLIES

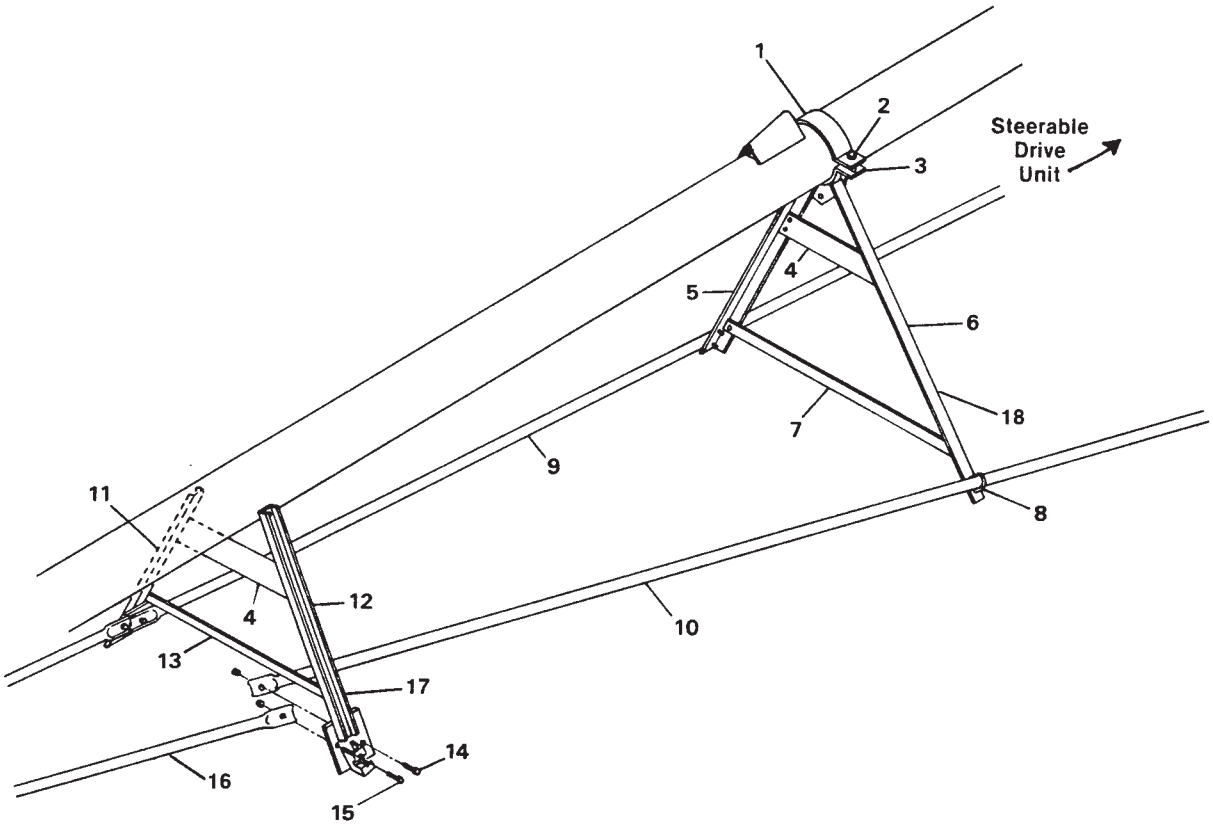
TRUSS	BUNDLE	ASSEMBLY	ANGLE SUPPORT	SPREADER	GUSSET
Small V	6997	1701972 (42 3/8")	1701977 (41")	1701678 (53 7/16")	1701979
Medium	6000	1701973 (76 9/16")	1701978 (75 3/16")	1701677 (96 1/4")	1701979
Large 170'	6001	1701971 (94")	1701976 (92 5/8")	1701696 (118 1/8")	1701979
#3	6999	1701970 (96 1/2")	1701975 (95 1/8")	1701687 (121 1/4")	1701979
Large 185'	6998	1701969 (101 7/8")	1701974 (100 1/2")	1701705 (128 1/16")	1701979
Small Flat	5996	See Items 5 & 6	See Item 7	1701658 (53 7/16")	1701659 (flat)

ALL DIMENSIONS END-TO-END

ITEM	DESCRIPTION	PART #	
1	Truss Assembly	See Chart	
2	Angle Truss Support	See Chart	
3	Spreader	See Chart	
4	Gusset	See Chart	
5	Side, Small Flat Truss, L.H.	1701656	
6	Side, Small Flat Truss, R.H.	1701860	
7	Support, Small Truss	1701708	(144 3/8") Not Included in Bundle 5996
8	Tab, Keeper	1701850	

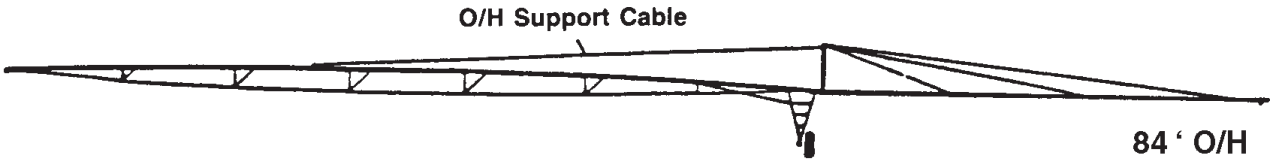
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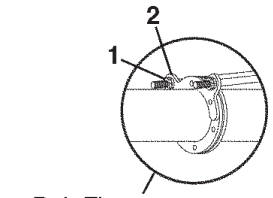
(EFFECTIVE 12-82)



ITEM	DESCRIPTION	PART #
1	6” Half Clamp	1956100
2	1/2” x 2” C.S.	0161024
3	Clamp-On Ear Assy.	1750825
4	Gusset - Small Flat Truss	1701659
5	L.H. Tie Brace Leg	1750837
6	R.H. Tie Brace Leg	1750838
7	Bottom Brace	1701645
8	3/8” x 3-1/8” U-Bolt	0176013
9	Long Support	1750836
10	Short Support	1750835
11	L.H. Small Flat Truss	1750833
12	R.H. Small Flat Truss	1750832
13	Spreader - Flat Truss	1750834
14	3/4” - 1-3/4” C.S.	0161139
15	1/2” x 1-1/4” C.S.	0161027
16	Small Truss Support	1701708
17	Small Truss	6007PKG
18	Tie Brace Truss	6006PKG

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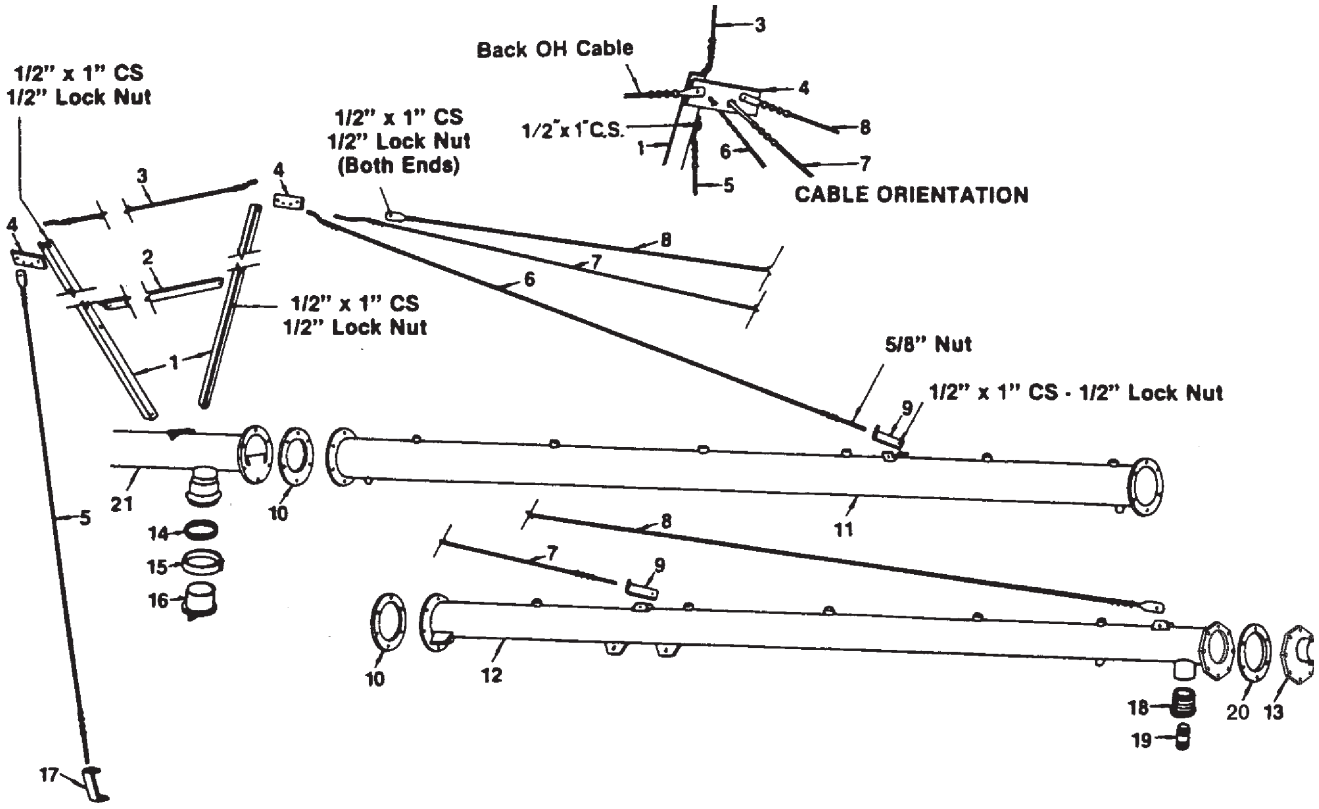


OVERHANG SUPPORT CABLES

APPLICATIONS	PART #
170' Span with 42' (Prior to 6/84) or 84' Overhang - DISCONTINUED (Jun 12)	1700979
185' Span with 42' (Prior to 6/84) or 84' Overhang - DISCONTINUED (Jun 12)	1701815
170' Span with 84' Overhang & 7.5 H.P. Booster Pump or 24'/48' Booms	1702486
185' Span with 84' Overhang & 7.5 H.P. Booster Pump or 24'/48' Booms	1702487

ITEM	DESCRIPTION	PART #
1	Cable Mounting Ear (6-Bolt) - 6"	9361776
2	3/4" Jam Nut	0131008

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ITEM	DESCRIPTION	PART #
1	Overhang Support Angle -14'-9.94"	1700982
2	Nameplate Support - 6'-1"	1701021
3	#36 Spreader Cable - 22'	1700976
4	Attachment Ear	1702069
5	Overhang Support Cable 14'-9"	1703616
6	1st Overhang Support - 32'	1700963
7	2nd Overhang Support - 57'-2"	1700977
8	3rd Overhang Support. 83'-7"	1702067
9	3/8" "L" Bracket	1900023
10	6" Gasket	1900144
11	6" Overhang Pipe - 42'-6"	1730364

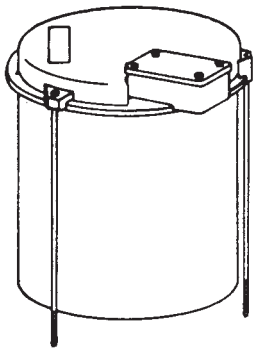
ITEM	DESCRIPTION	PART #
12	4" Overhang Pipe - 41' w/6'5/8" Flange	1781673
13	6-5/8" Angled End Plate Assm.	1800036
14	4" Pierce Gasket	0221010
15	Circle Lock Ring	0992084
16	Pipe Line Drain	1702117
17	Cable Attach. Brkt	1750194
18	2" x 1" Bushing	0244028
19	1" x 3" Nipple	0211035
20	6-5/8" Flat Gasket	0992211
21	Corner Last Pipe Assm.	1750765

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Motors and Gearbox

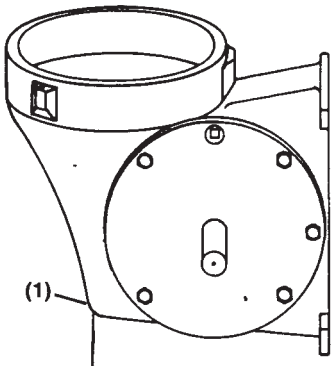
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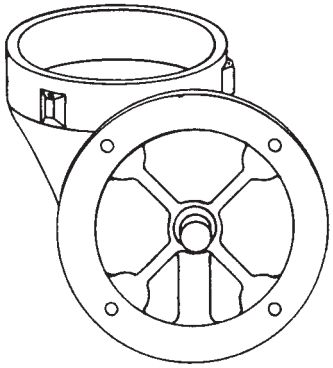


Motor
Module

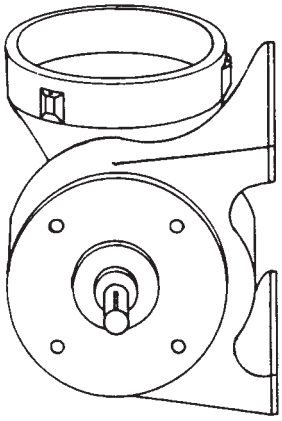
GEARBOX MODULES



Standard
123022 - Drain/Plug (Plastic)



Corner Machine



Corner (Steering)

Gearmotor Assemblies
Effective Jan. 20, 1979

RPM	PART DESCRIPTION	PART NO.	HP	RATIO	WHERE USED	IP
30	Gearmotor Motor Module Gearbox Module (1) Plastic Drain	03E2044 03E2045 0314915 0123022	1	58:1	Standard Electric	Yes
37	Gearmotor Motor Module Gearbox Module	03E2039 03E2045 0314916	1	47:1	Standard Electric	Yes

See following page for continued listings of U.S. Gearmotors

HP - Horse Power
IP - Inherent Protection

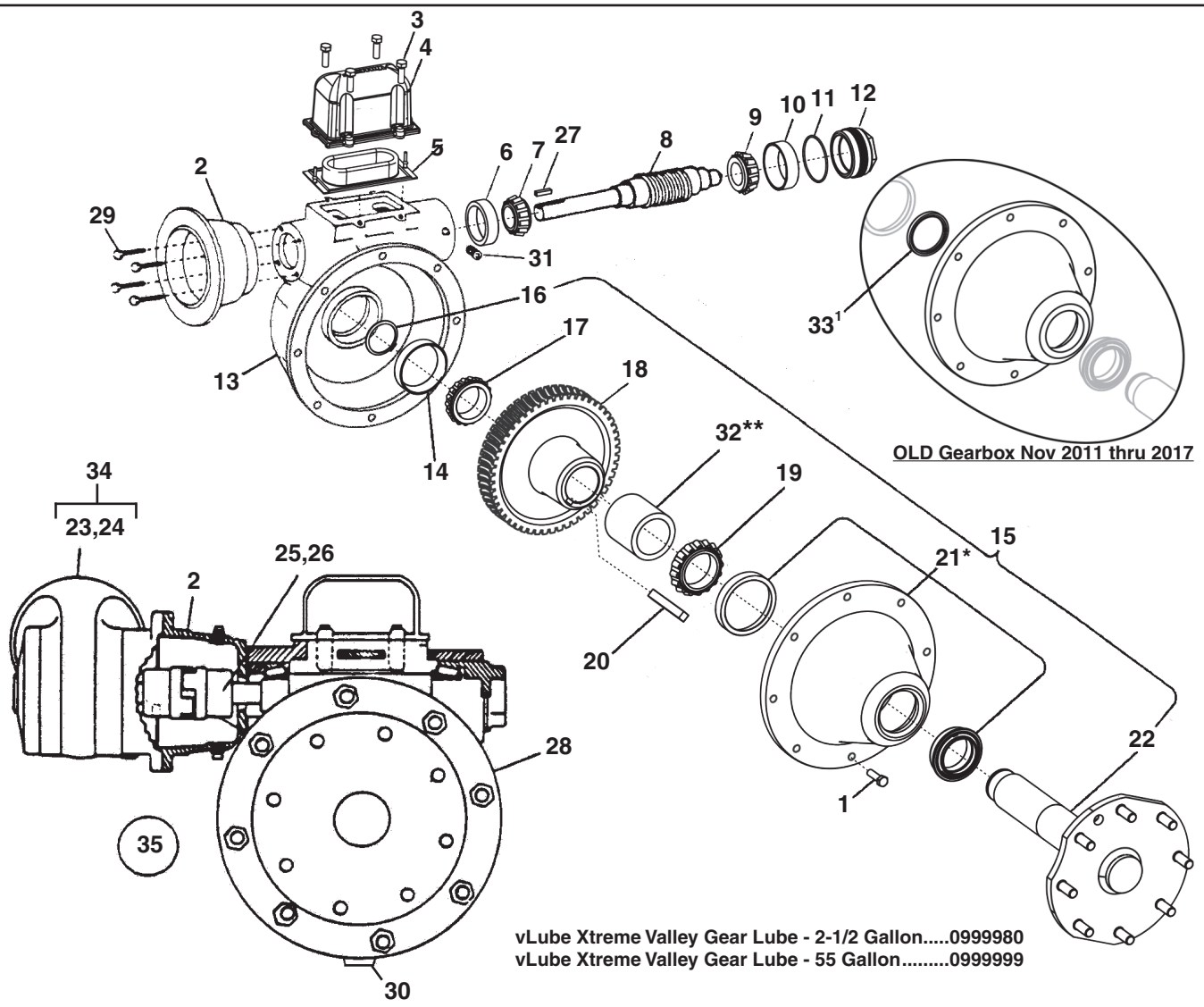
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Gearmotor Assemblies

RPM	DESCRIPTION	PART NO.	HP	RATIO	WHERE USED	IP
30	Gearmotor	03E2044	1	58:1	Standard High Speed	Yes
45	Gearmotor Motor Module Gearbox Module 3 Jaw Coupling Bronze Spider	0315154 03E2047 0314926 OBSOLETED 0991304 0991377	1	39:1	Corner Machine (Big Foot)	No
56 178 In.lbs	Gearmotor Motor Module Gearbox Module 3 Jaw Coupling Bronze Spider	03E2041 03E2047 0314927 0991304 0991377	1	31:1	Corner Machine	No
56 236 In. lbs.	Gearmotor Motor Module Gearbox Module	03E2056 03E2046 0314928	1½	31:1	Standard High Speed	Yes
68	Gearmotor Motor Module Gearbox Module	03E2040 03E2046 0314922	1½	26:1	Standard High Speed	Yes
84	Gearmotor Motor Module Gearbox Module 3 Jaw Coupling Bronze Spider	0315157 0318162 0314925 OBSOLETED 0991304 0991377	1½	21:1	Corner High Speed (Big Foot)	No
100	Gearmotor Motor Module Gearbox Module 3 Jaw Coupling Bronze Spider	03E2042 03E2048 0314924 0991304 0991377	1½	17:6	Comer Machine High Speed	No
3¼	Gearmotor Motor Module Gearbox Module	03E2043 03E2049 0314923	3/4	87:1 4.07:1	Corner Machine (Steering)	Yes
84	Gearmotor	03E2057	1½	21:1	Super High Speed Electric System	Yes

IP - Inherent Protection

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vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

ITEM	DESCRIPTION	PART#
1	3/8" x 1-1/4" Cap Screw	0161153
2	Bell Housing	1701617
3	5/16" x 1" Cap Screw	0161052
4	Expansion Cap	1701326
5	Diaphragm	0991230
6	Cup	0191024
7	Cone	0191023
8	Worm Gear	1701618
9	Cone	0191029
10	Cup	0191030
11	O-Ring Seal	0256029
12	End Cap	1781713
13	Gearcase Housing	1701621
14	Cup	0191026
15	Wheel Worm & Axle Assm. (includes items 16,17,18,19,20,21,22,23,24-34)	1702225
16	Corner Gearbox Snap Ring	0257019
17	Cone	0191025
18	Wheel Worm	1701423
19	Cone	0191027
20	Key	1700853
21	Neck & Seal Assm. (3" Extended)	1704005 *

ITEM	DESCRIPTION	PART#
22	Axle Assm. -	1703241
23	56 RPM - 1 HP Motor Module	03E2047
	100 RPM - 1.5 HP Motor Module	03E2048
24	56 RPM - Gearbox 31:1 (Service)	0314927
	100 RPM Gearbox 17.6:1 (Service)	0314924
25	3 Jaw Coupler (2 req'd)	0991304
26	Bronze Spider	0991377
27	Key	1701619
28	Non-Tow Gearbox - Corner (Includes #2)	1701622
29	3/8" x 1-3/4" Cap Screw	0161041
30	1/2" NPT Plug	0246094
31	5/16-18 x 5/8" Set Screw	0164069
32	Spacer	1704007 **
33	Spacer (for Output Seal)	0980414 [1]
34	56 RPM - 1 HP Gearmotor	03E2041
	100 RPM - 1.5 HP Gearmotor	03E2042
35	56 RPM - 1 HP Corner Gearbox w/Gearmotor	1702227
	100 RPM - 1.5 HP Corner Gearbox w/Gearmotor	1702228

* NOTE: Item 21 includes Cup & Seal
** NOTE: Spacer (Item 32) required w/Neck (Item 21)
[1] NOTE: Rebuild ONLY for gearboxes pre-2018 - post Nov 2011.

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PART #	NAME	DESCRIPTION	IDENTIFICATION DECAL
1702227	CORNER - 56 RPM	Non-Tow Gearbox & Gearmotor	White w/Black Lettering (Part #)
1702228	CORNER - 100 RPM	Non-Tow Gearbox & Gearmotor	Yellow w/Black Lettering (Part #)
1751036	CORNER STEERING	Flanged Output Shaft, Bronze Bull Gear	White w/Black Lettering (Part #)
1751037	CORNER STEERING	Flanged Output Shaft, Standard Bull Gear	Black w/White Lettering (Part #)
1701622	CORNER GEARBOX	Non-Tow Gearbox & Bellhousing	N/A

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Valley Corner Electrical

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CORNER SYSTEM
FUSE SIZE

NO. of Towers	Standard System	Std. System with 2 HP Booster	Std. System with 5 HP Comer	Sid. System wfth 7.5 HP Booster	HIgh Speed System	HI Speed System with 2 HP Booster	HI Speed System with 5 HP Corner	Hi Speed System with 7.5 HP Booster
4	12	17.5	20	25	17.5	25	25	30
5	15	20	25	25	17.5	25	30	30
6	15	20	25	30	20	25	30	30
7	17.5	20	25	30	20	25	30	45
8	17.5	25	30	30	25	30	30	45
9	20	25	30	30	25	30	45	45
10	20	25	30	45	25	30	45	45
11	20	25	30	45	25	45	45	45
12	20	30	45	45	30	45	45	
13	25	30	45	45	30	45	45	
14	25	30	45	45	30	45		
15	25	30	45	45	45	45		
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20	30	45						

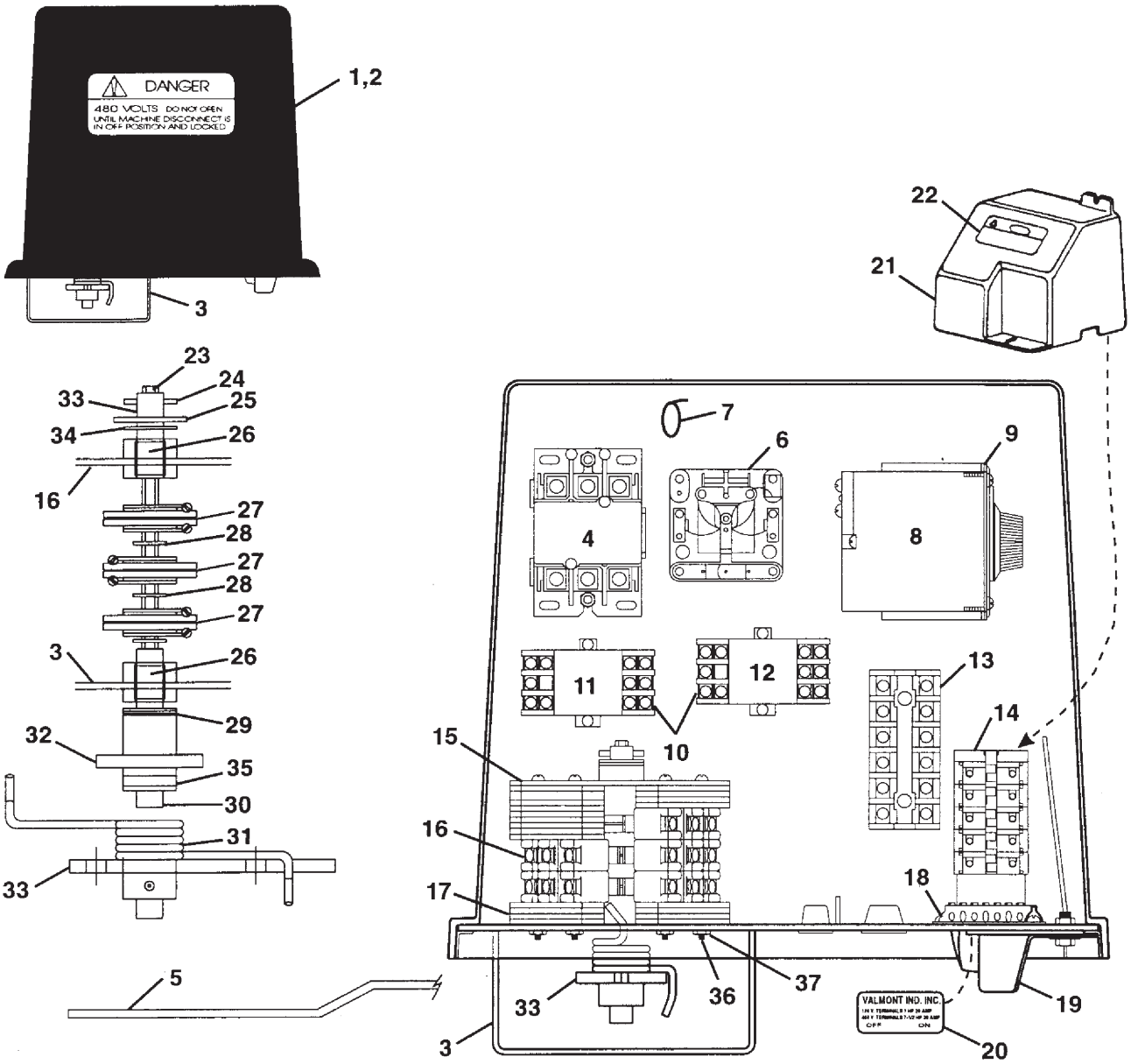
FUSE SIZE	PART #
6 Amp	0314591
8 Amp	0314342
12 Amp	0314343
15 Amp	0314344
17.5 Amp	0314345
20 Amp	0314167
25 Amp	0314346
30 Amp	0315411
45 Amp	0315459
Shorting Bar	0314885

CORNER SYSTEM
Electrical Cable Listing

WHERE USED	GAUGE	NUMBER OF CONDUCTORS	LENGTH	PART #
Comer Span 170'	10 & 14	11	220.0'	1810482
Comer Span 185'	8 & 14	11	235.0'	1811364
Corner (Motor Leads)	14	4	45.0'	1810480
Corner (Run Cycle to Solenoid Sw.)	10 & 14	12	6.0'	1811269
Corner 185' LS	10 & 14	12	15.0'	1811272

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PRIOR TO
November 2014



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PRIOR TO November 2014

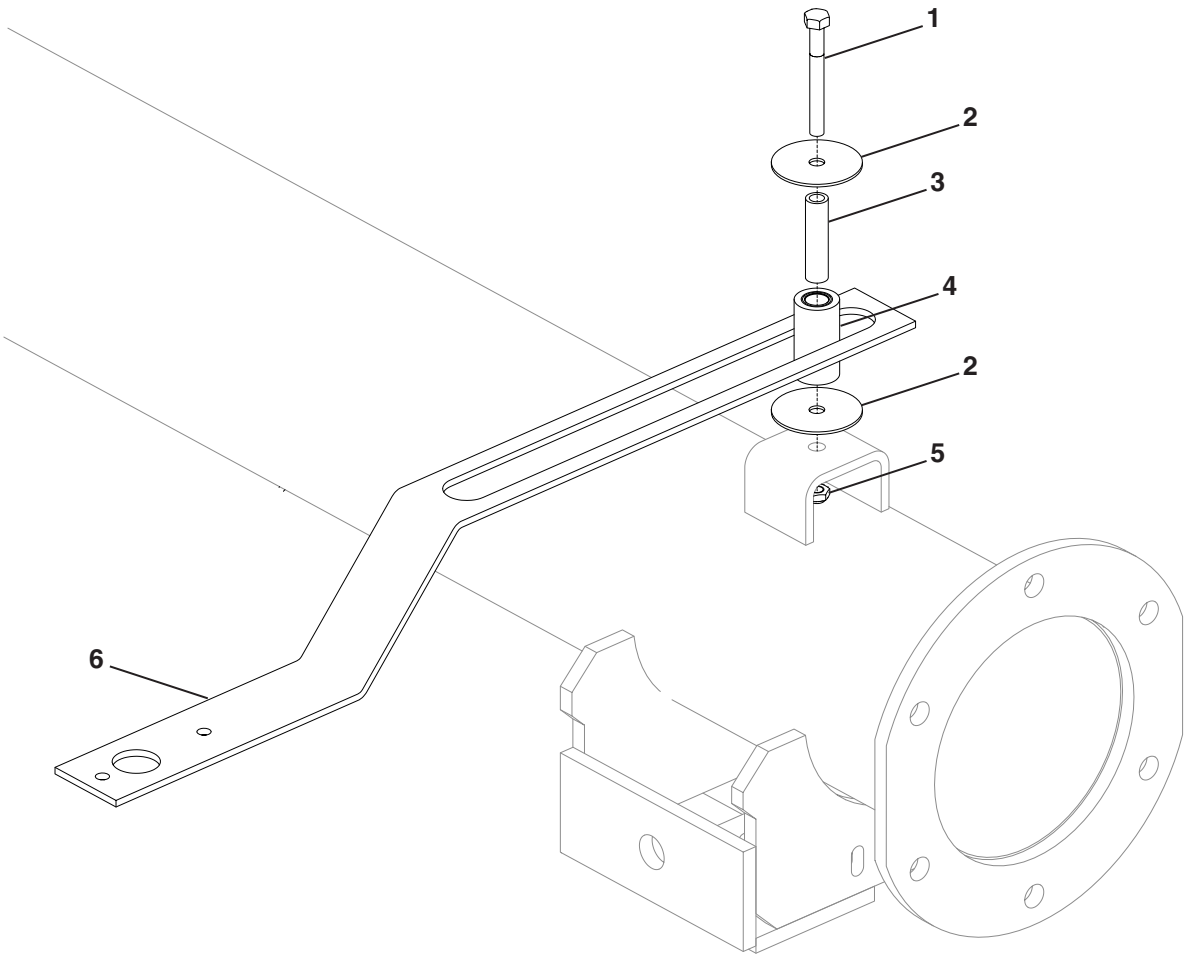
ITEM	DESCRIPTION	PART #
1	Electrical Box Cover	1701418
2	Decal (Danger)	0991261
3	Electrical Box Frame	1750565
4	Contactor, 3 Phase Elec. Circuit, 480V	099P178
5	Extended Control Bar (Eff. 10/01/96)	1750911
	Control Bar (Prior to 10/01/96)	1750578
6	Relay, 25 Amp	0314480
7	Harness, Black	0314225
8	Percentage Timer	03E2697
9	Bracket for Percent Timer	1750504
10	Relay Socket	03E1650
11	Latching Relay, 120V AC	0314815
12	3 Pole Relay, 120V AC	0314936
13	Terminal Block, 6 Point	0314129
14	Power Disconnect Switch	0314540
15	Top Plate Assembly	1750385
16	Micro Switch (See Stack Arrangement)	0314213
17	Insulator	1701632
18	Grounding Lug	0314682
19	Cam Tower Box Latch	1701244
20	Disconnect Decal	0992090
21	Disconnect Shield	1701612
22	Decal (Danger)	0991291
23	Hex Shaft	1750589
24	3/16" x 1-1/4" Spring Pin	0111017
25	1/2" Wrought Washer	0142026
26	Bushing	1915198
27	Adjustable Cam	0314630
28	Flat Washer, .812 OD/.406 ID	0141035
29	Stainless Steel Flat Washer, .968 OD/.510 ID	0143047
30	Lower Bushing	1750588
31	Spring - Run Cycle Box	0181066
32	Assembly Mount Control Bar	1750568
33	Upper Bushing	1750587
34	Fiber Washer	0143037
35	3/16" x 1" Roll Pin	0111038
36	#6 x 3-1/2" Right Hand Machine Screw	0164097
37	#6 Nut	0134027

Extended Cradle Run Cycle Box Assembly - DISCONTINUED 1812378*
(Eff. Oct. 96 to Nov. 14) - Use 'T-Bar Cradle Run Cycle Box' 1814996 with Control Arm 1751011. (see T-Bar Cradle Run Cycle Box page in this section)

Run Cycle Box Assembly (Prior to 10/01/96) 1810889
C.S.A. Run Cycle Box Assembly (Prior to 10/01/96) ..... N/A

* NOTE: Must order Extended Cradle Bar when updating from Expanding Cradle.

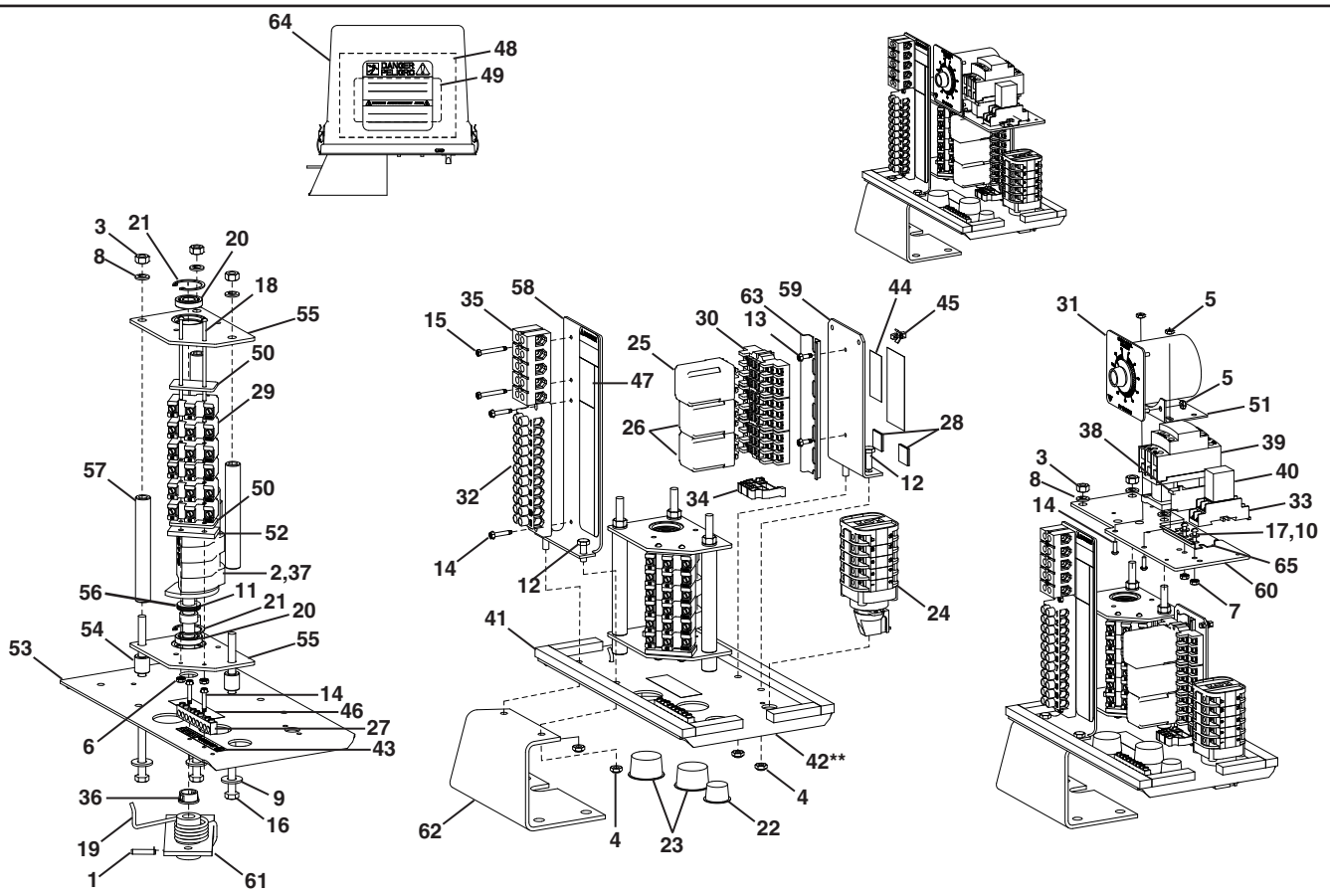
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ITEM	DESCRIPTION	PART #
1	5/16" x 2-3/4" Cap Screw	0161330
2	5/16" Flat Steel Washer	1750574
3	Stainless Bushing	0192026
4	Roller Pivot Tube	1750184
5	5/16" Lock Nut	0133007
6	Run Cycle Box Control Arm	1751011*
	Extended Cradle Control Bar - DISCONTINUED	1750911
	Control Bar - DISCONTINUED	1750578

*** NOTE: Control Bar 1751011 replaces DISCONTINUED 1750911 &1750578.**

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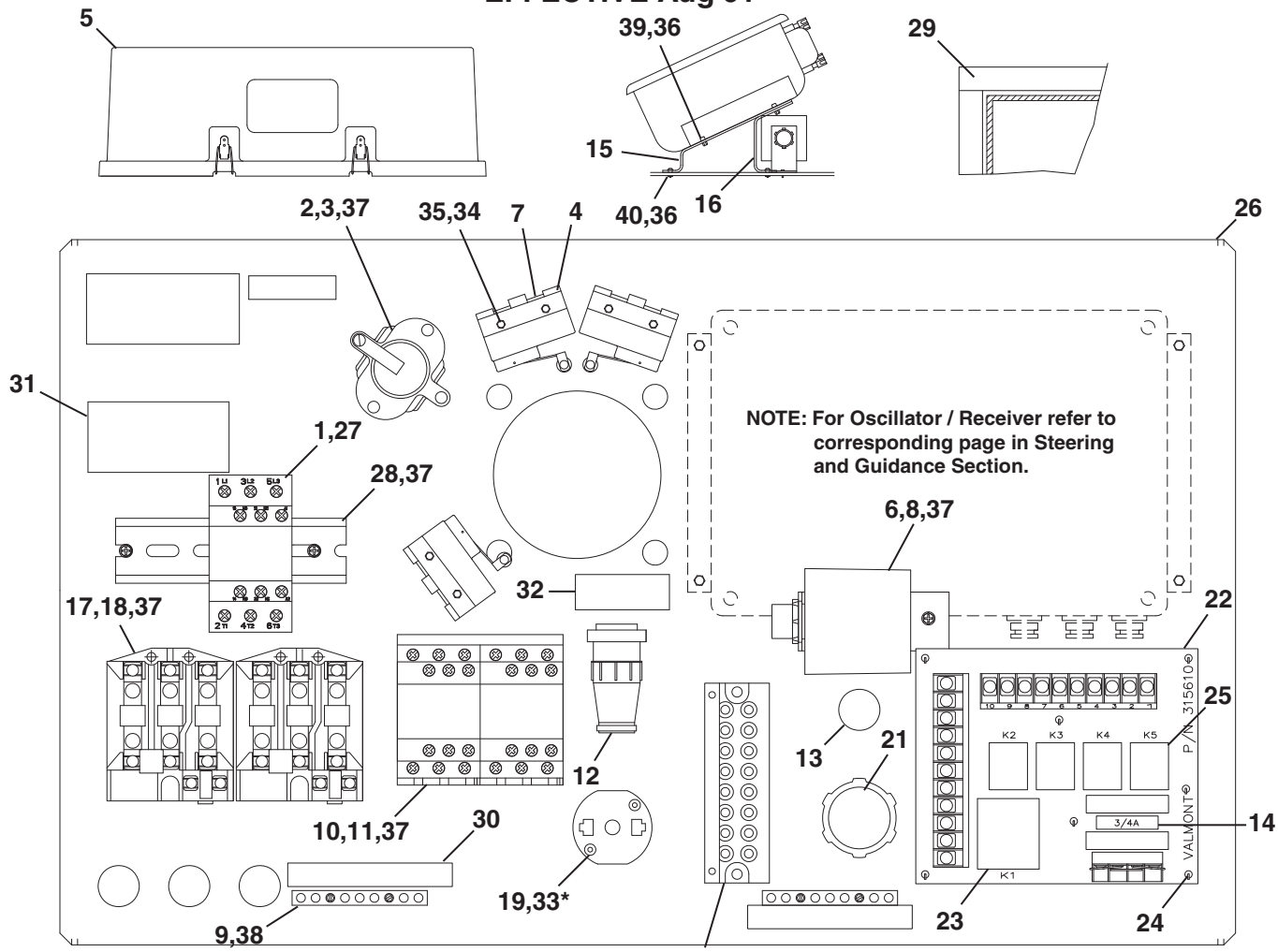
ITEM	DESCRIPTION	PART#
1	3/16" x 1" Roll Pin	0111038
2	1/8" x 7/16" Roll Pin	0111046
3	5/16" Hex Nut	0131019
4	1/4" Lock Nut	0133008
5	#8 Hex Nut	0134023
6	#6 Hex Nut w/ External Tooth Lock Washer	0134058
7	#8 Hex Nut w/ External Tooth Lock Washer	0134059
8	5/16" Lock Washer	0141008
9	5/16" Flat Washer - Wide	0142017
10	#8 Flat Washer - Stainless Steel	0142084
11	Flat Washer .030 x .510 x .968 - Stainless Steel	0143047
12	1/4" x 3/4" Cap Screw	0161057
13	#8 x 1/2" Self Tapping Screw - Phillips Head	0161355
14	#8 x 7/8" Self Tapping Screw - Phillips Head	0161356
15	#8 x 1-1/4" Self Tapping Screw - Phillips Head	0161357
16	5/16" x 7" Cap Screw	0161433
17	#8 x 1/2" Screw - R.H.	0164042
18	#6-32 x 5" Screw - R.H.	0164233
19	Spring	0181066
20	Ball Bearing	0191075
21	Retaining Ring - 1-3/16" Bore	0257023
22	12 Caplug	0261008
23	15X Caplug	0261010
24	Power Disconnect - 10 Pole	0314540
25	Relay - 120V AC	0314815
26	Relay - 3DPT 120V AC	0314936
27	Ground Lug - 7 Terminal	0315120
28	Wire Tie Holder - Self-Adhesive	03E0046
29	Microswitch - Minimum Travel	03E0307
30	Relay Socket - 3 DPT 11 Pin Blade	03E1650
31	Percent Timer - 60 Sec.	03E1802
32	Terminal Block - 11 Terminal 600V	03E1899
33	Relay Socket - 2 Pole 10A 300V	03E2107
34	Din Rail End Stop	03E2996
35	Terminal Strip - 5 Terminal	03E3168

ITEM	DESCRIPTION	PART#
36	1/2" Grommet	03E3169
37	Cam - Black	03E3170
38	Suppressor	03E3546
39	3 Pole Contactor - 25A 120V (Boxed)	03E3785
40	Relay w/ Indicator - DPDT 120VAC	03E4197
41	Gasket Kit	0992071
42	Disconnect Decal	0992090
43	Ground Decal	0992925
44	Power Supply Decal - UL	0994149
45	Wire Tie Holder - Nylon	0994494
46	Decal - 3R Enclosure	0996403
47	Decal - Field Wiring	0998313
48	Decal - Electrical Schematic	0998314
49	Decal - Part Identifier	0998315
50	Sensor Base Insulator	1701632
51	Percentage Timer Bracket	1750504
52	CAM Spacer	1750722
53	Bottom Plate	1751083
54	Standoff - Short	1751084
55	Bearing Plate	1751087
56	Cam Bushing	1751088
57	Standoff - Long	1751089
58	Terminal Strip Plate - Formed	1751090
59	Mounting Plate	1751091
60	Top Plate	1751092
61	Alignment Sensor Set Assm.	1751098
62	Mounting Bracket	1751367
63	Din Rail Mount Channel - 6" Long	9310608
64	Electrical Tower Box Cover - UL	9311146
65	Din Rail Mount Channel - 3.00" Long	9312251
	Run Cycle Box Assm. - T-Bar Cradle	1814996
	* Corner GPS Guidance LRDU Parts Kit	KA01397

** Decal positioned on underside of Bottom Plate.

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EFFECTIVE Aug 91



NOTE: CAM needs to be replaced if machine production year is Prior to 1978.

ITEM	DESCRIPTION	PART #
1	3 Pole Contactor - 25A 120V (Boxed)	03E3785
2	Cleat Receptacle	0315619
3	Space Heater	0315620
4	Microswitch	03E0307
5	Swing Tower Box Cover (OC Latch)	1750812
6	Lightning Arrestor	0315605
7	Micro Switch Insulator	1701632
8	Lightning Arrestor Bracket	1702384
9	Ground Lug	0315120
10	Reversing Contactor	03E2333
11	Din Rail Mount Channel - 3.50" Long	9311122
12	Receiver Harness	0315629
13	Strain Relief Bushing	0315480
14	3/4 Amp Fuse	0315019
15	Bracket - Receiver Mounting	1702338
16	Bracket - Receiver Brace	1702339
17	Overload Relay	03E1421
18	Heater - 1 HP	0314175
	- 1.5 HP	0314349
19	Disconnect Switch	0315746
20	Terminal Block	0315122
21	Strain Relief	0314466
22	Receiver Protection PCB	0315610
23	3-Pole Relay	0314936

ITEM	DESCRIPTION	PART #
24	Circuit Board Spacer - Snap-in	03E0412
25	4-Pole Relay	0314610
26	Bottom Plate	1750684
27	Suppressor	03E3546
28	Din Rail Mount Channel - 4.90" Long	9310693
29	Gasket Kit	0992691
30	Decal - Ground	0992925
31	Decal - Terminal Block Torque Copper Wire	0998450
32	Decal - UL Power Supply	0994149
33	Decal - Disconnect	0992090
35	#6 Hex Nut	0134027
36	#6 x 2-1/4" Machine Screw - Round Head	0164090
37	#8 Hex Nut	0134023
38	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
39	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
40	#8 x 3/4" Machine Screw - Round Head	0164041
41	#8 x 1/2" Machine Screw - Round Head	0164042
42	#8 x 1-1/4" Machine Screw - Round Head	0164051
	Decal - Swing Tower Box Wiring Schematic (Decal not shown, is shipped w/Box Assm. and field installed)	0999401
	Swing Tower Box Assm (does not include Lid or Receiver)	1750685

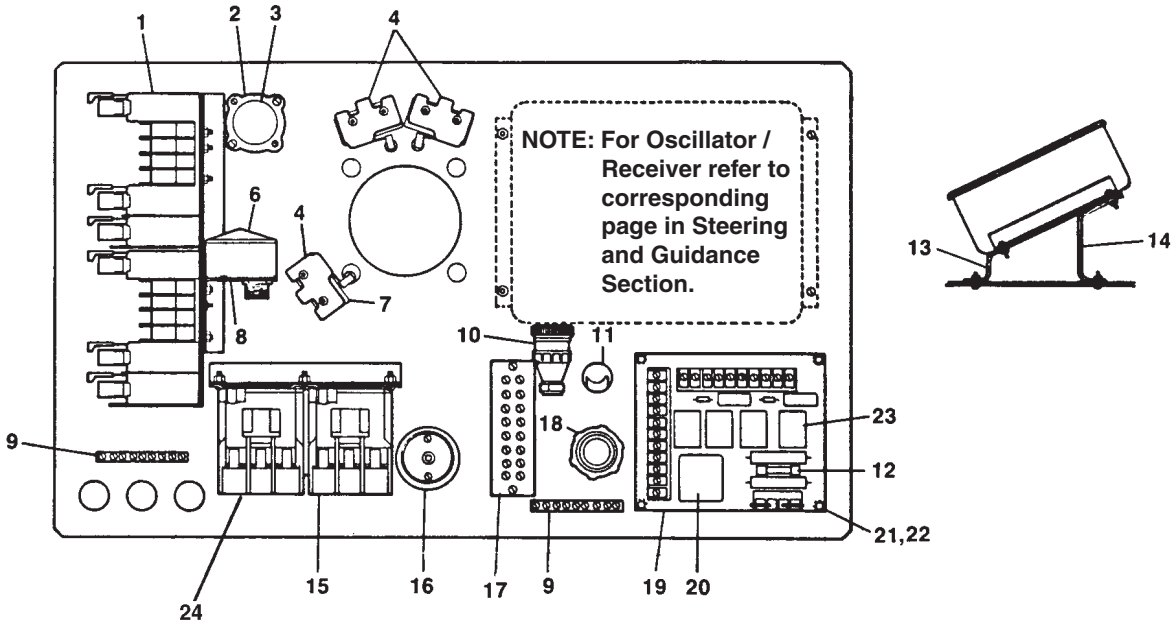
* Disconnect Decal located on outside bottom of box.

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EFFECTIVE 1983 - 1991

NOTE: CAM needs to be replaced if machine production year is Prior to 1978.

NOTE: Complete Swing Tower Box (Pt.# 1750685) does not come with Swing Tower Box Cover (Pt.# 1750812).

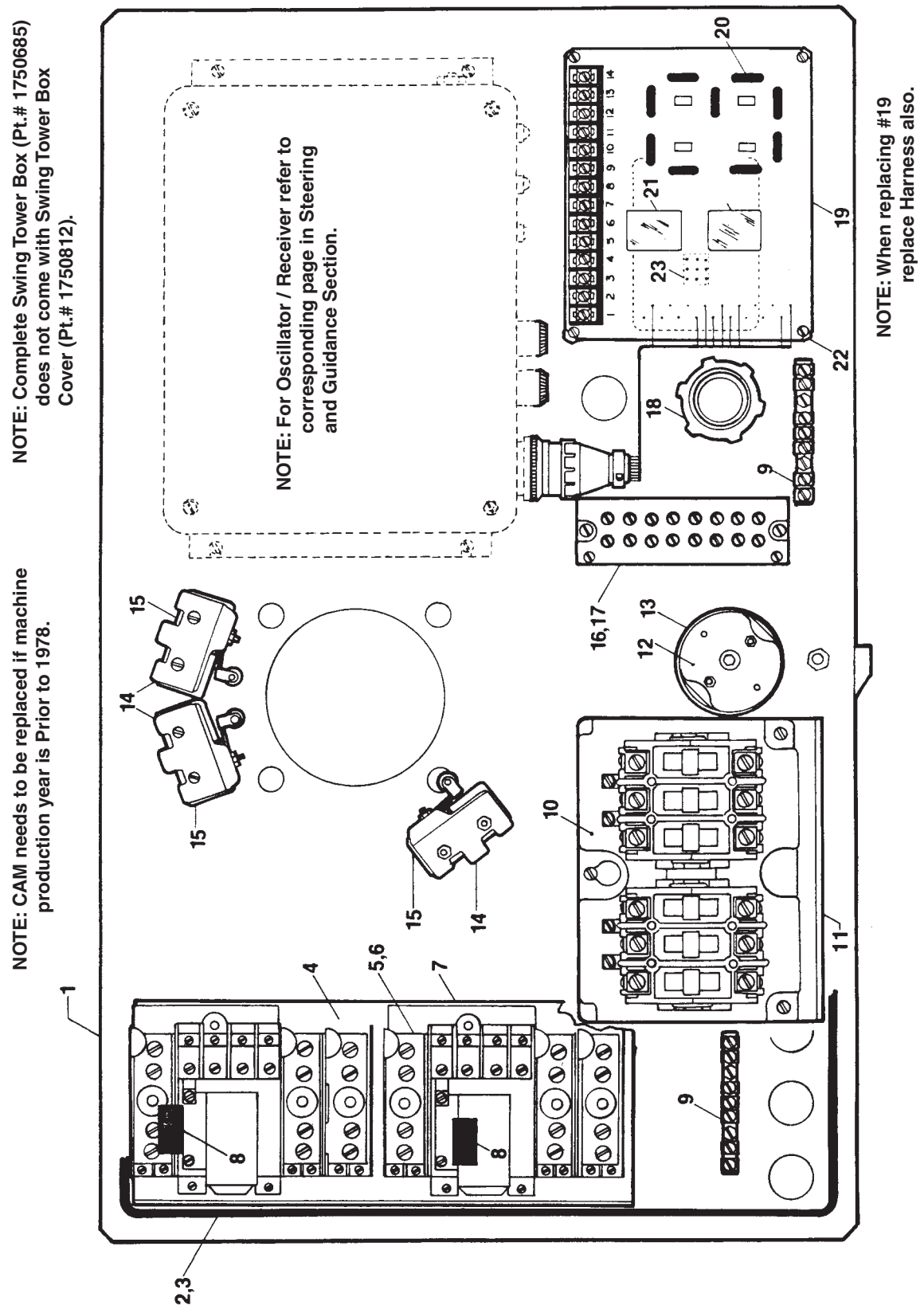


ITEM	DESCRIPTION	PART #
1	Drive Motors Controller - See Page 2-48	03E0486
	0000A79 - Qty. 2 Needed - 1 H.P.	03E2322
	0000A84 - Qty. 2 Needed - 1-1/2 H.P.	03E2321
2	Socket Base	0315619
3	Space Heater	0315620
4	Micro Switch	03E0307
5	Cover (Poly)	1750812
6	Lightning Arrestor	0315605
7	Micro Switch Insulator (7/Sw)	1701632
8	Lightning Arrestor Bracket	1702384
9	Ground Lug	0315120
10	Receiver Harness	0315629
11	Strain Relief Bushing	0315480
12	3/4 Amp Fuse	0315019
13	Bracket	1702338

ITEM	DESCRIPTION	PART #
14	Bracket	1702339
*15	Reversing Contactors, Double w/Interlock	03E0354
16	Disconnect Switch	0315746
17	Terminal Block	0315122
18	Cord Connector	0314466
19	Receiver Protection PCB	0315610
20	3-Pole Relay	0314936
21	Male - Female Stand-Off	0315303
22	#8 x 1/2" RHMS	0164042
23	Relay (4/PCB)	0314610
24	Interlock Mechanism - OBSOLETED 12 Dec 15	03E0371
	Complete Swing Tower Box (Does not include Receiver or Lid)	1750685

*NOTE: Includes (2) 4-Pole Contactors (03E2325) & Mechanical Interlock.

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EFFECTIVE 1979 - 1983

Parts Listed on Following Page

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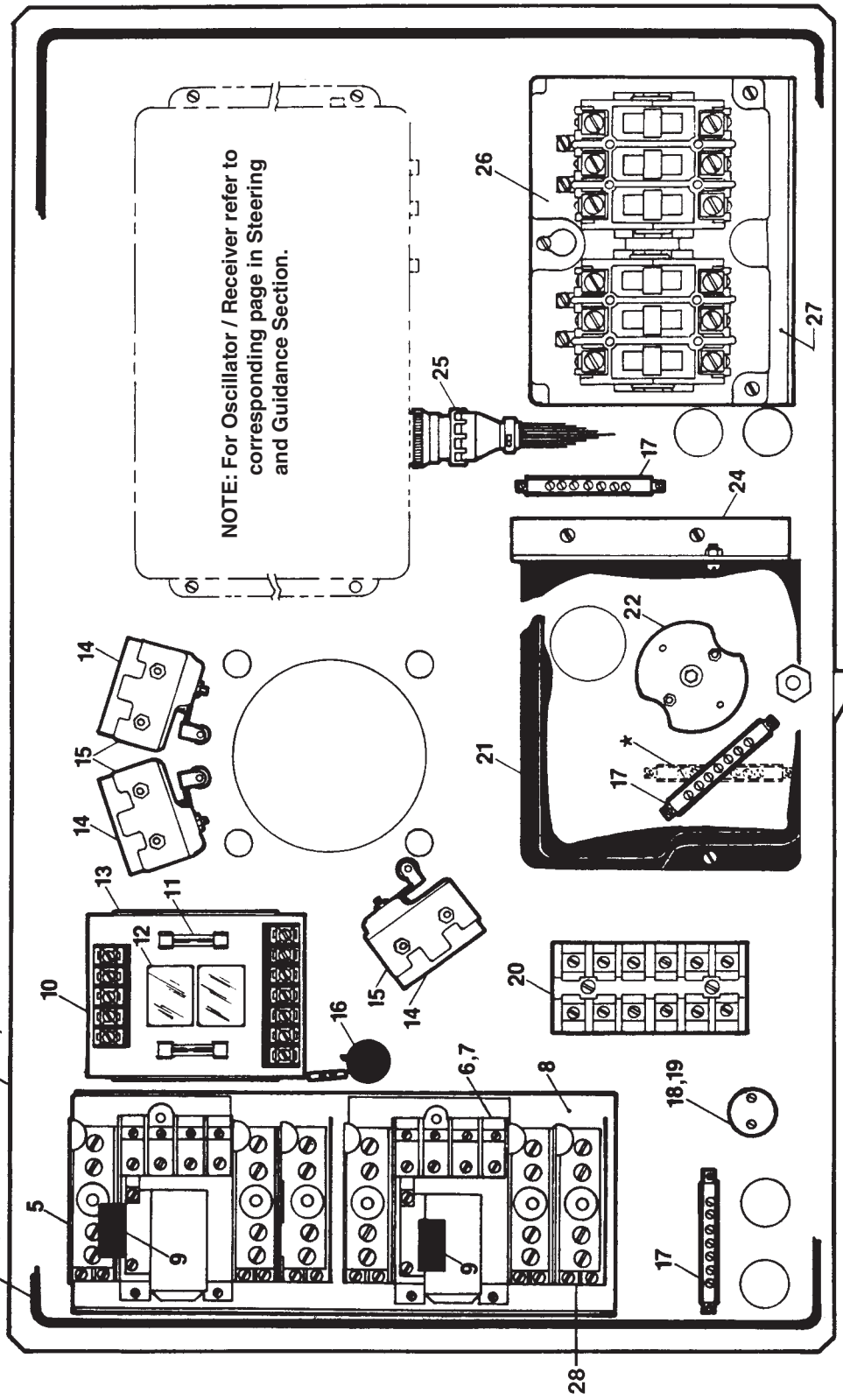
PARTS LISTING FOR SWING TOWER BOX

WITH BACK UP GUIDANCE RECEIVER

(Parts Illustrated on Previous Page)

ITEM		DESCRIPTION	PART #
1		Bottom Plate Assembly	NIA
2		Cover for Swing Tower Box (Slotted Latch)	1750431
		(OC latch)	1750812
3		Decal (Danger)	0991261
4		Assm. Drive Motors Controller - Incl.	1750350
5		Starter - See Page 2-48	03E0486
6		Heater	0314175 or 0314349
7		Starter Mtg. Plate	NIA
8		Suppressor Circuit	0314783
9		Grounding Lug (2 req'd.)	0315120
10		Reversing Contactors	0314683
11		Contactor Mtg. Plate	1750622
12		Power Disconnect Switch	0314787
13		Disconnect Sleeve (OBSOLETED Dec 2016)	1702190
14		Micro-Switch (3 req'd.)	0315325
15		Insulator (21 req'd.)	1701632
16		Terminal Block	0315122
17	(NS)	Terminal Strip Cover	N/A
18		Cord Connector	0314466
19		Back-Up Guidance PCB - Incl.	0315610
20		Transient Voltage Suppressor	0314945
21		Relay - 120V 50-60 Hz. - 3 Amp 4 PDT	0314610
22		Male-Female Standoff - 5/16" x 5/8" (4 req'd.)	0315303
23	(NS)	Rubber Boot (Mounted on Switch Lever)	0315297
24		COMPLETE Swing Tower Box (does not include Lid or Receiver)	1750685

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PARTS LISTING FOR SWING TOWER BOX

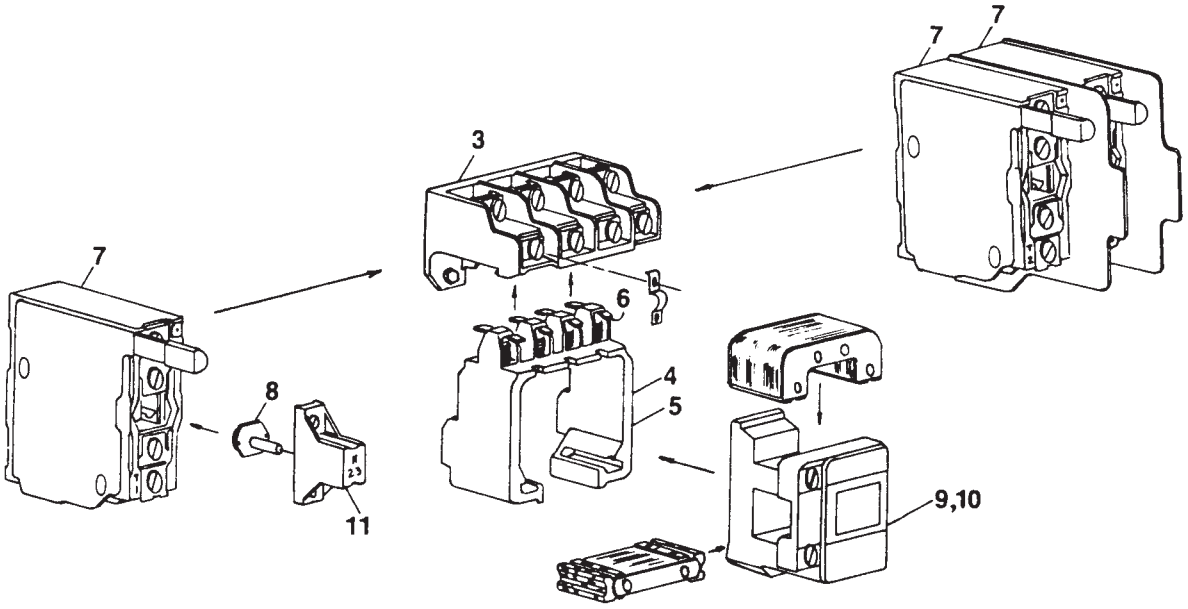
(Parts Illustrated on Previous Page)

ITEM	DESCRIPTION	PART #	
1	Cover for Swing Tower Box (Slotted Latch)	1750431	
	(OC Latch)	1750812	
2	Decal (Danger) (not shown)	0991261	
3	Bottom Plate for Item 28	N/ A	
4	Bottom Plate for Item 29	N/ A	
5	Drive Motors Controller Assm. Incl.	0000A79	
6	Starter - See Page 2-48	03E0486	
7	Heater	0314175 or 0314349	
8	Starter Mtg. Plate	N/A	
9	Suppressor	03E2232	
10	Limit Switch & Safety PCB - Incl.	0314782	
11	3/4 Amp Fuse (2 req'd.)	0314824	
12	Relay - 120V - 50-60 Hz. - 3 Amp 4 PDT	0314610	
13	Snap Track	0991422	
14	Insulator (21 req'd.)	1701632	
15	Micro-Switch (3 req'd.)	03E0307	
16	Voltage Suppressor Assm	1811165	
17	Grounding Lug (3 req'd.)	0314682	
18	Titelite with Red Lens	0315619	
19	Titelite Replacement Bulb	0315620	
20	Terminal Block	0314129	
21	Disconnect Shield	1701612	Decal (Danger) - 991291 (NS)
22	Power Disconnect Switch	0314540	
23	Cam Tower Box Latch	1701244	
24	Mounting Plate	N/A	
25	Swing Tower Control Harness	0314738	
* 26	Reversing Contactors	03E2333	
27	Mounting Plate for Contactors	N/A	
28	Motor Starter - See Page 2-48	03E0486	

COMPLETE Swing Tower Box Assm.
(does not include Lid or Receiver) **1750685**

***NOTE: Includes (2) 4-Pole Contactors (03E2325) & Mechanical Interlock.**

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(1) (2)

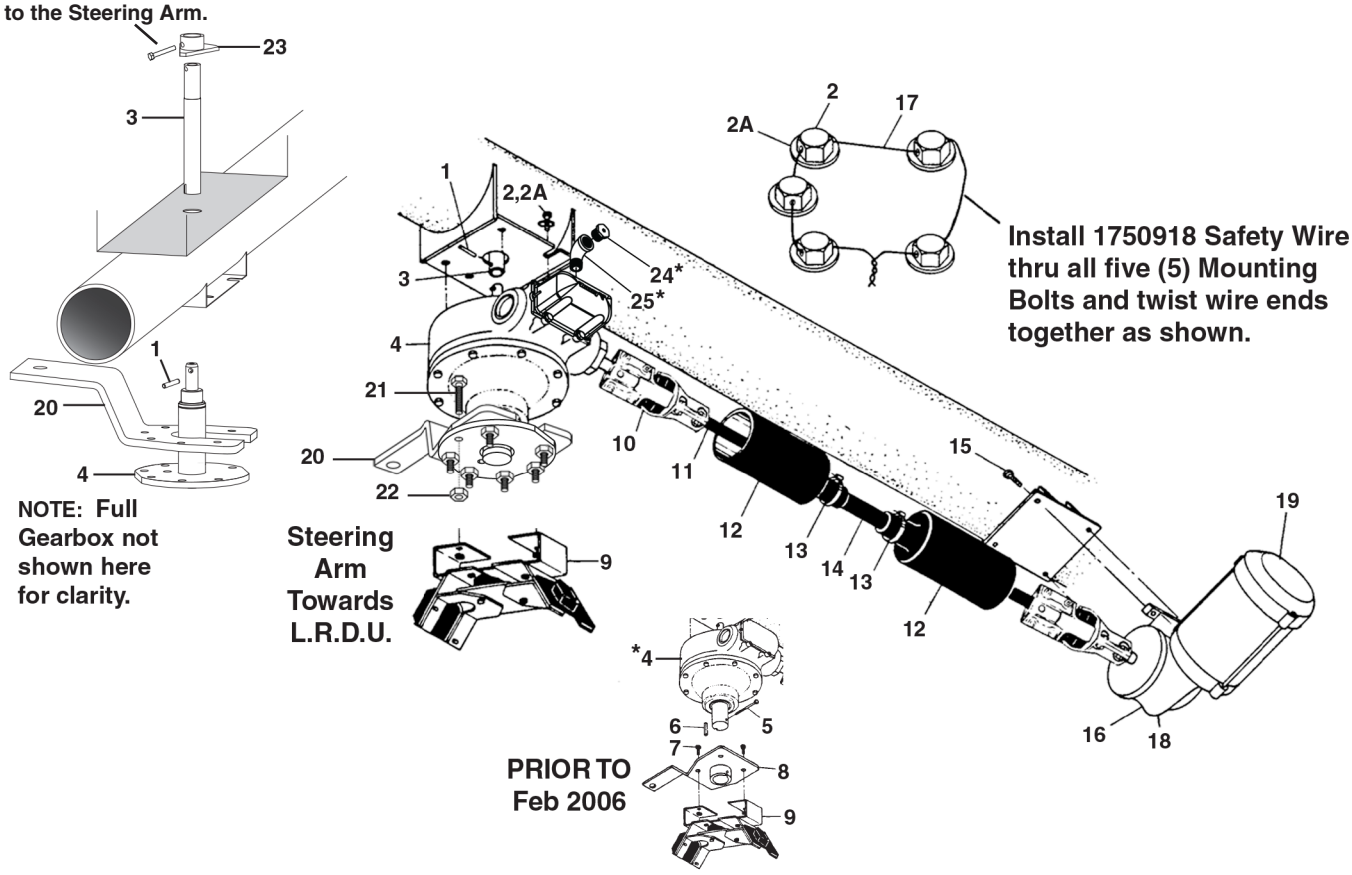
ITEM	DESCRIPTION	PART #
1	120 Volt Starter	03E0486
2	480 Volt Starter	N/A
3	Stationary Contact - OBSOLETED Aug 2015	0314276
4	Moveable Contact Support Kit - OBSOLETED Aug 2015	0314277
5	Moveable Contact Support	N/A
6	Set of Contacts (Incl. Springs) - OBSOLETED Aug 2015	0314279
7	Manual Reset Relay - OBSOLETED Aug 2015	0314280
8	Overload Relay Spindle - OBSOLETED Aug 2015	0314281
9	120 Volt Coil - OBSOLETED Aug 2015	0314237
10	480 Volt Coil	N/A
11	Heater	
	2.10 Amp - 1 HP	0314175
	2.31 Amp - 1 HP	0314315
	2.54 Amp - 1/2 HP	0314284
	3.09 Amp - 1-1/2 HP	0314349
	4.50 Amp - 2 HP	0314753
	5.00 Amp - 2 HP - OBSOLETED 12 Dec 15	03E1359

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Steering and Guidance

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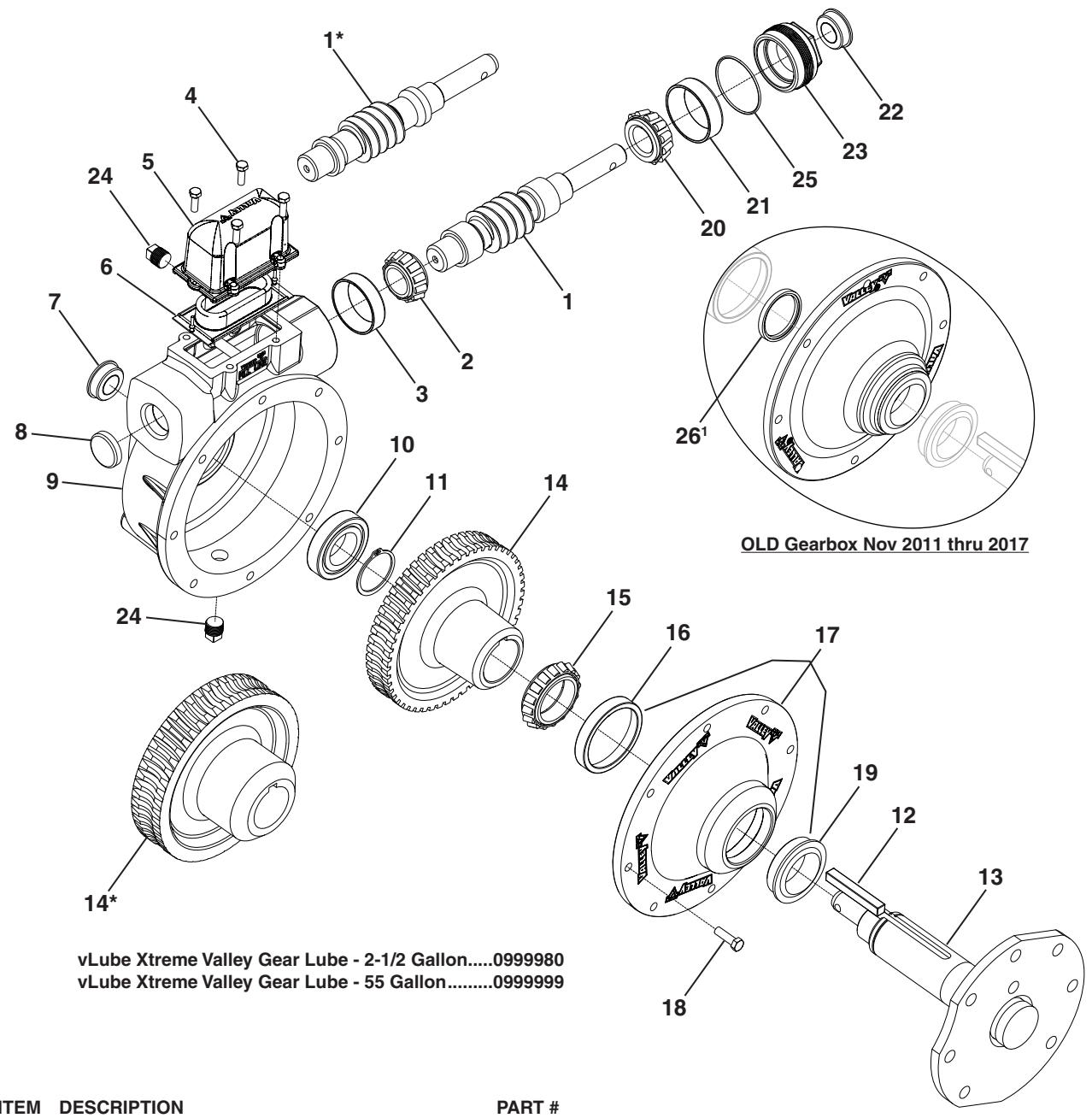
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ITEM	DESCRIPTION	PART #
1	Roll Pin	0111023
2	1/2" x 1-1/2" Cap Screw (Special)	0164171
2A	1/2" Washer	0142026
3	Steering Shaft	1750849
4	Corner Steering Gearbox - Flanged	1751037
5	3/8" x 4" Cap Screw	0164153
6	Key	0992836
7	5/8" x 1-3/4" Cap Screw	0161088
8	Steering Arm	1750842
9	Antenna Mount	See Reference Antenna Mounting pg. in this section
10	Greaseless U-Joint	KA01300
11	Drive Shaft	0992837
12	Short Drive Shaft Shield	1702615
13	Clamp	0271013
14	Drive Shaft Shield	0992867
15	3/8" x 1-1/2" Cap Screw	0161082
16	3/4" H.P. Gearmotor 20 RPM	03E2055
17	Safety Wire	1750918
18	Gearbox Only	0314915
19	Motor Module	03E2049
20	Steering Arm (Flanged Gearbox)	1751039
21	5/8" x 2-1/2" Cap Screw	0161011
22	5/8" Lock Nut	0133010
23	Steering Limit Cam	1750653
24	Breather Vent - 1/2" NPT (Plastic)	0980292*
25	1/2" NPT x 90° Elbow Fitting (Galvanized)	0241056*

* Gearbox Breather Valve Kit KA02671

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OLD Gearbox Nov 2011 thru 2017

vLube Xtreme Valley Gear Lube - 2-1/2 Gallon.....0999980
vLube Xtreme Valley Gear Lube - 55 Gallon.....0999999

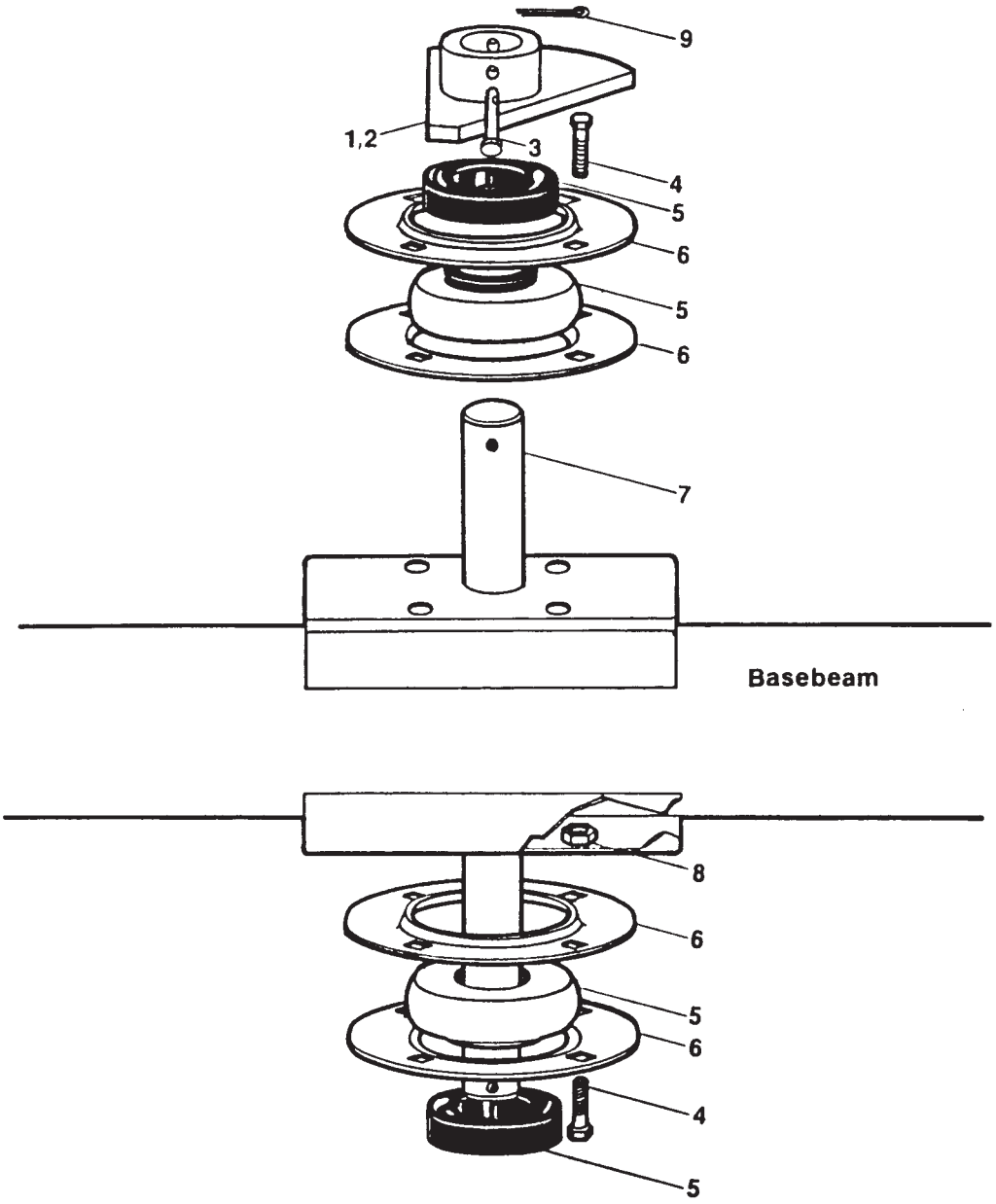
ITEM	DESCRIPTION	PART #
1	Worm (Heavy Duty Gearbox)	1732140
	Worm	1701922 *
2	Cone	0191023
3	Cup	0191024
4	5/16" x 1" Cap Screw	0161052
5	Expansion Cap	1701326
6	Diaphragm	0991230
7	Seal	0258023
8	Expansion Plug	0991178
9	Housing w/worm Cup	1750851
10	Bearing	0191046
11	Retaining Ring	0257017
12	Key	1700853
13	Output Shaft	9362098
14	Worm Gear - Bronze	1750952
	Worm Gear	1750850 *
15	Cone	0191027

ITEM	DESCRIPTION	PART #
16	Cup	0191028
17	Neck & Seal Assm.	1701402
18	3/8" x 1-1/4" Cap Screw	0161153
19	Seal	0258024
20	Cone	0191029
21	Cup	0191030
22	Seal	0258023
23	End Cap & Seal	KA01276
24	1/2" NPT Plug	0246094
25	O-Ring	0256029
26	Spacer (for Output Seal)	0980414[1]

Flanged Corner Steering Gearbox Assm. w/Bronze Gear . 1751036
Flanged Corner Steering Gearbox Assm. ..... 1751037 *

[1]NOTE: Item 26 rebuild only for Gearboxes pre-2018-post Nov 2011.

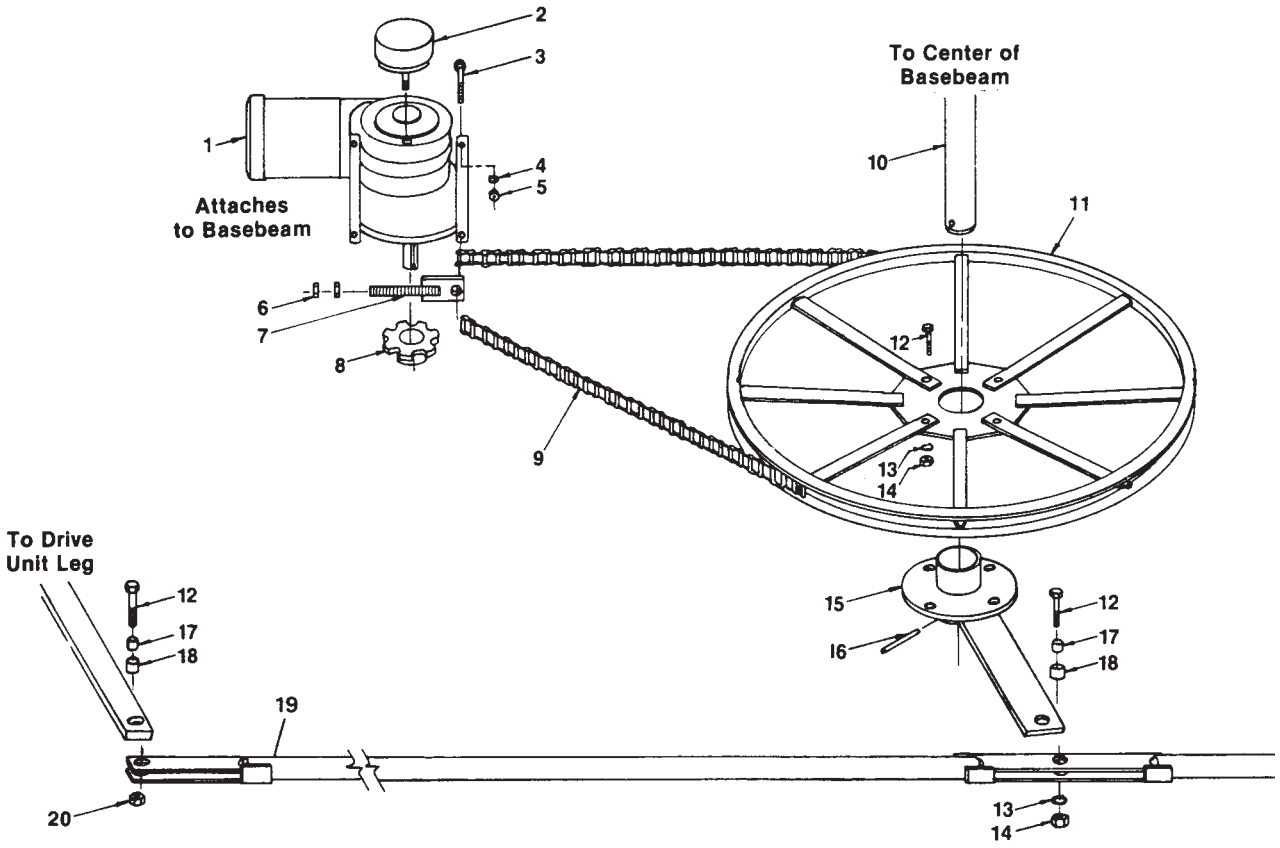
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ITEM	DESCRIPTION	PART #
1	Cam for (Prior to Nov 78)	N/A
2	Cam for (Eff. Nov 78)	1750653
3	Clevis Pin	0112036
4	1/2" x 1" Cap Screw	0161028
5	1 1/2" Bearing Insert & Collar	0191032
6	1 1/2" Bearing Flange	0192043
7	Steering Shaft (Chain Drive)	1750271
	Steering Shaft (Gearbox Drive)	1750849
8	1/2" Locknut	0133005
9	Cotter Pin	0151020

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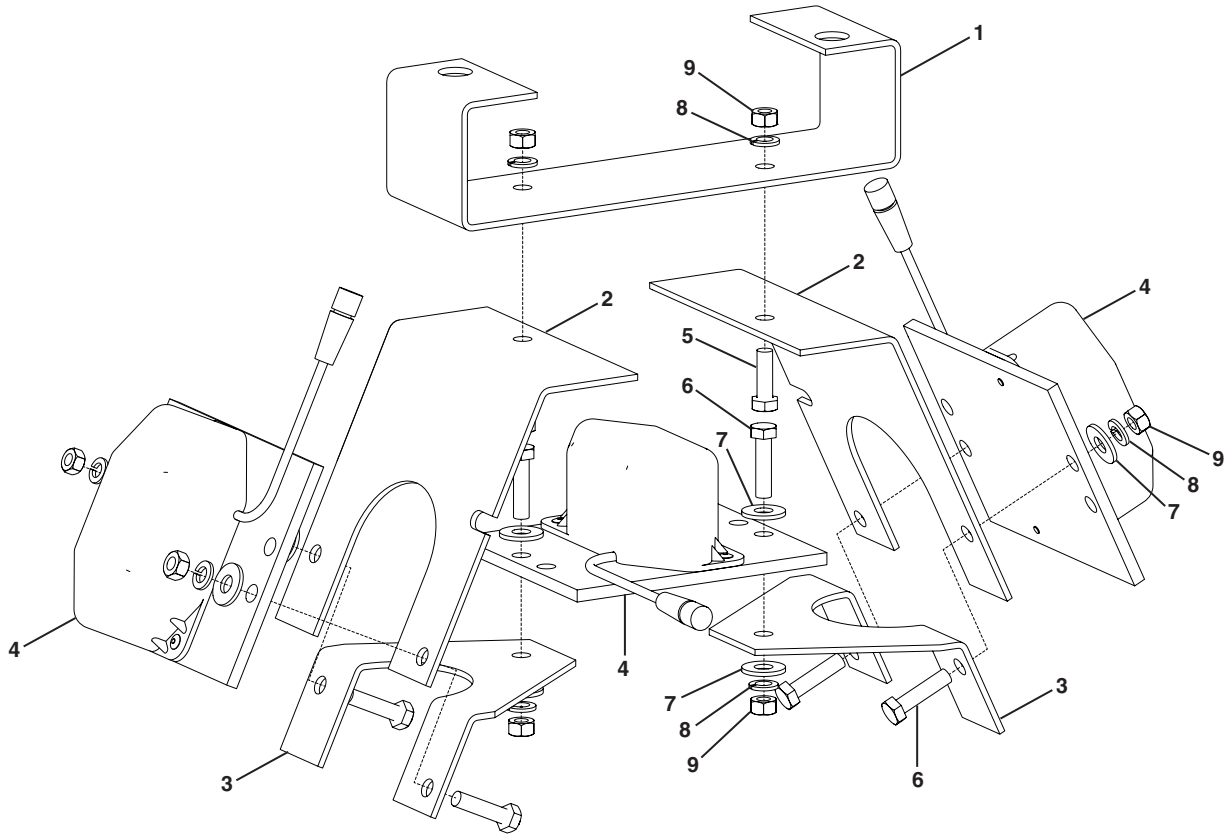
PRIOR To Nov 1978



ITEM	DESCRIPTION	PART #
1	Steering Motor (See Page 3-10)	03E2043
2	Thermal Expansion Chamber	N/A
3	112" x 2" Cap Screw	0161024
4	Flat Washer (112")	0142025
5	1/2" Nut	0131015
6	3/4" Nut	0131008
7	Motor Adjustment Assm.	N/A
8	7-Tooth Single Sprocket	N/A
9	85 Link A555 Chain	0323033
	Connecting Link	0322015
	Offset Link	0322010

ITEM	DESCRIPTION	PART #
10	Steering Shaft Assm	1750271
11	68-Tooth Sprocket Channel	N/A
12	5/8" x 2" Cap Screw	0161014
13	5/8" Lock Washer	0141004
14	5/8" Nut	0131009
15	Lower Steering Arm Assm	N/A
16	3/8" Roll Pin	0111023
17	Inner Bushing	0192025
18	Outer Bushing	1915197
19	Tie Rod	1750057
20	5/8" Lock Nut	0133010

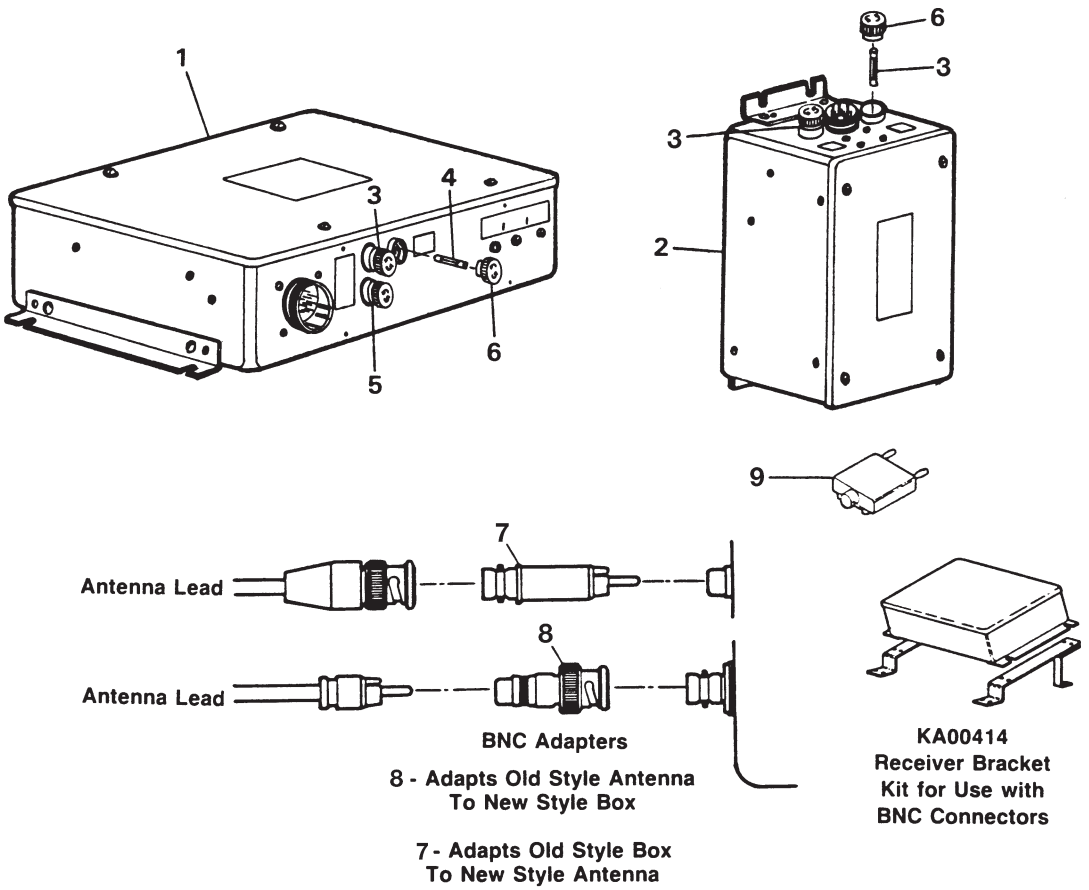
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ITEM	DESCRIPTION	PART #
1	Channel Antenna Mounting Bracket	1750629
2	Bracket Large Antenna Mounting	1750630
3	Bracket Small Antenna Mounting	1750631
4	Reference Antenna 833 Hz - 7' Leads	03E3835
	Reference Antenna 1000 Hz - 7' Leads	03E3829
	Reference Antenna 1200 Hz - 7' Leads	03E3830
	Reference Antenna 1000 Hz - DISCONTINUED	03M4707
	Reference Antenna 1200 Hz - DISCONTINUED	03M4962
5	5/16" X 1" Cap Screw	0161052
6	5/16" x 1-1/4" Cap Screw	0161051
7	5/16" Flat Washer	0142017
8	5/16" Lock Washer	0141008
9	5/16" Nut	0131019

COMPLETE Corner Retro-fit Reference Antenna (833 Hz)	KA01267
(1000 Hz)	KA00406
(1200 Hz)	KA00331

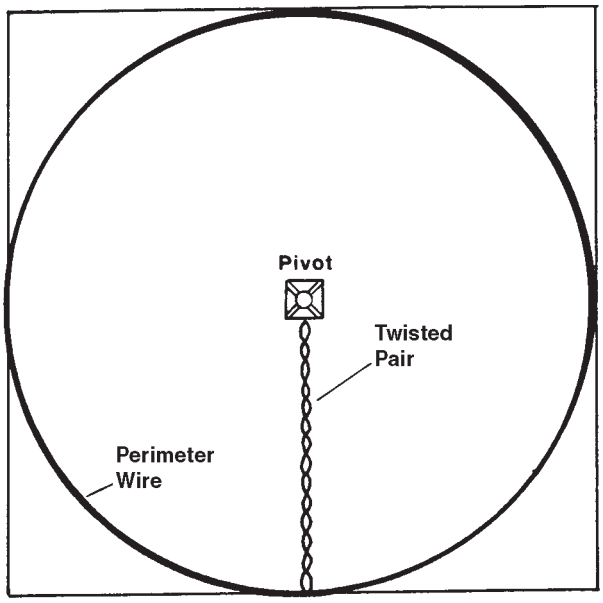
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ITEM	DESCRIPTION	PART #
1	Valmont Guidance Receiver (New)	03E1501
*	Rebuilt Guidance Control	03E1546
2	833 Hz Oscillator	03E2244
*	833 Hz Oscillator (Rebuilt)	03M2244
	1000 Hz Oscillator	03E2245
*	1000 Hz Oscillator (Rebuilt)	03M2245
	1200 Hz Oscillator	03E2246
*	1200 Hz Oscillator (Rebuilt)	03M2246
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	BNC Recept. to Phono Plug Adapter	0315468
8	Phono Jack to BNC Plug Adapter	0315469
9	Dummy Load Adapter	0992549
	Antenna Attenuator Resistor to Reduce Signal (Phone Jack Style) - OBSOLETE Dec 2016	1811210
	Antenna Attenuator Resistor to Reduce Signal (Serial Port Style)	1812223

*Subject to Availability

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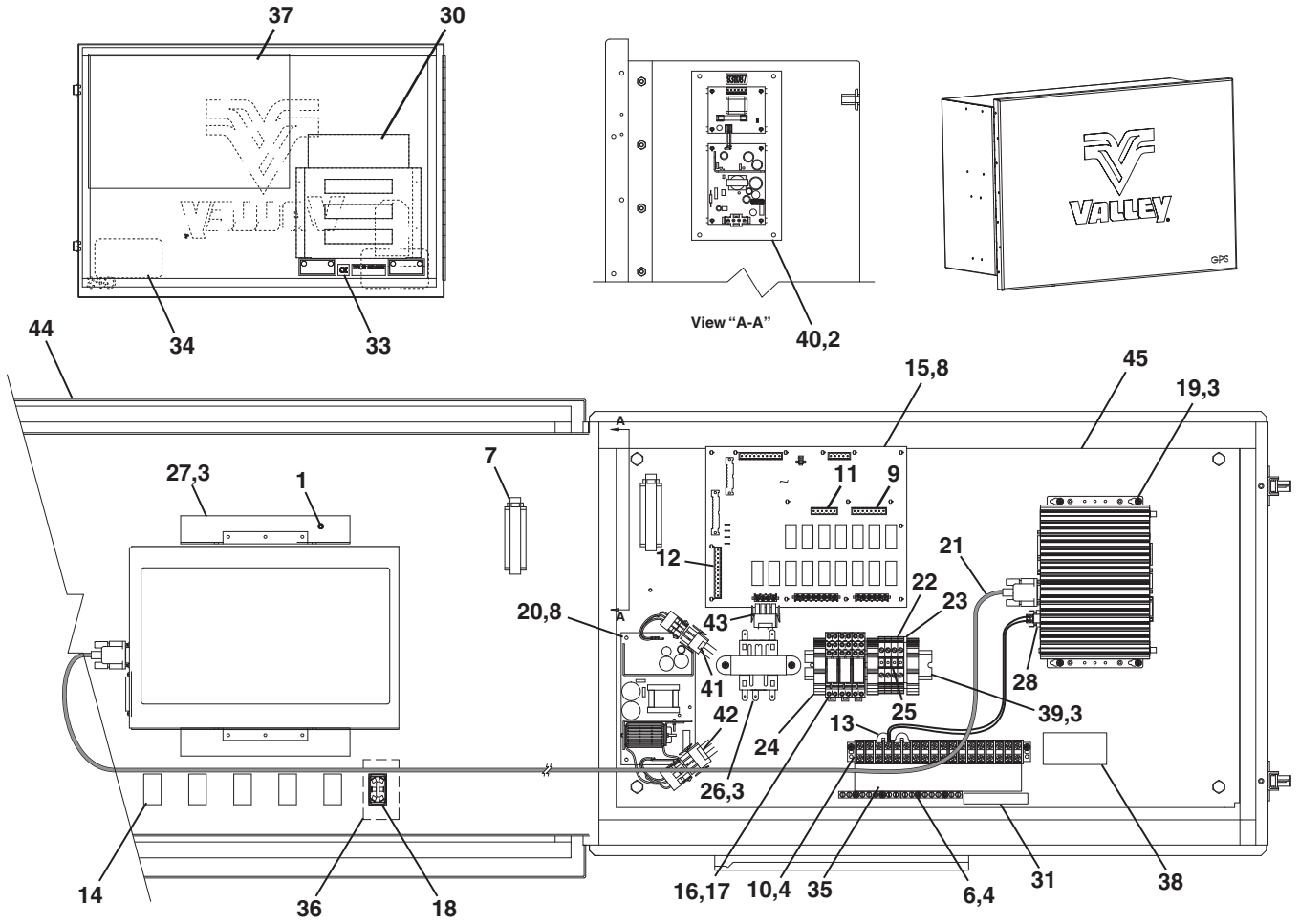


Twisted Pair		
Length	Part #	Shielded #
1,330’	0314734	0314965
1,550’	0314743	0314967
2,000’	0314785	0314969

Perimeter Wire		
Length	Part #	Shielded #
1,150’ 1,300’	1927113	0315513
9,200’	0314730	0314964
11,000’	0314742	0314966
13,000’	0314786	0314968

Heat Shrink Tubing (not shown) - 0991358

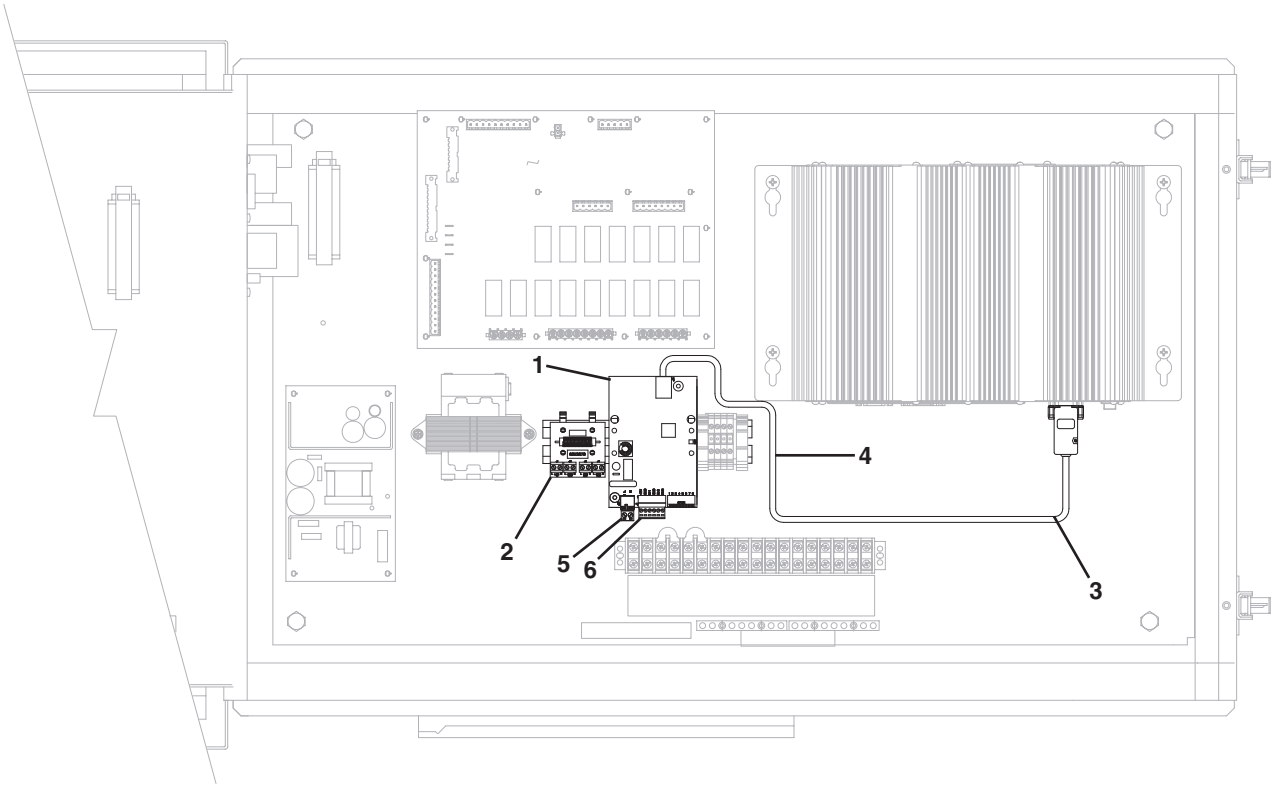
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ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut	0134023
3	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	Tyton Ty Wrap - Black (not shown)	0314225
6	Ground Lug	0315120
7	Ribbon 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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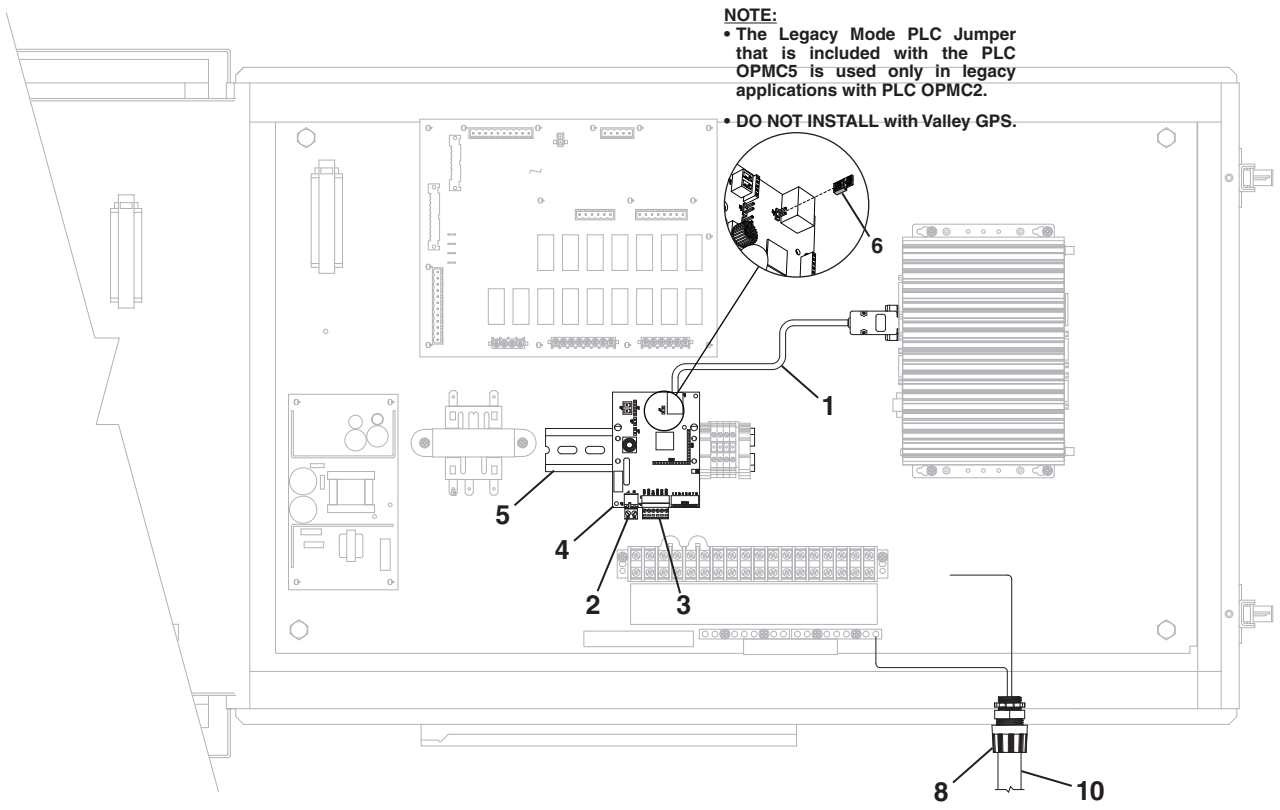


ITEM	DESCRIPTION	PART #
1	PC OPMC2 - 15v Communication - DISCONTINUED May 18	03E3164*
2	PLC Filter	03E2879
3	Cable - DB9 Female to RJ11 - 42" Long	03E3038
4	Din Rail Mount Channel - 6.75" Long	9310700
5	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
6	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167

15V Comm. PLC for Corner GPS Guidance Panel Assm. 9311984
(DISCONTINUED May 2018) (see next page)
(Also includes Screwdriver 0178009, Screwdriver 0178010, Scotchlock Connector 0314151, Wire Tie Holder 03E0046, Cable Tie 03E1605, Field Install - PLC Corner GPS Guid. Panel 9311985)

*** NOTE: See Valley GPS in this section.**

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ITEM	DESCRIPTION	PART #
1	Cable - DB9 Female to RJ11 - 42" Long	03E3038
2	Terminal Strip Plug - 5.08mm, 2 Pole	03E3166
3	Terminal Strip Plug - 3.5mm, 6 Pole	03E3167
4	PC OPMC5 (includes Dinrail Clip 03E3022)	03E4243
5	Din Rail Mount Channel - 6.75" Long	9310700
6	Shunt - 2 Position	03E4329 *
7	Decal - Dip Switch Settings (not shown)	0998384 *
8	Strain Relief Hub	0314119 **
9	Scotchlok Connector (not shown)	0314151 **
10	Cable - 20'-0" - 4 Cond. 14 Ga.	1810286 **

PLC - OPMC5 for Corner GPS Guidance Panel Assm..... 9312984

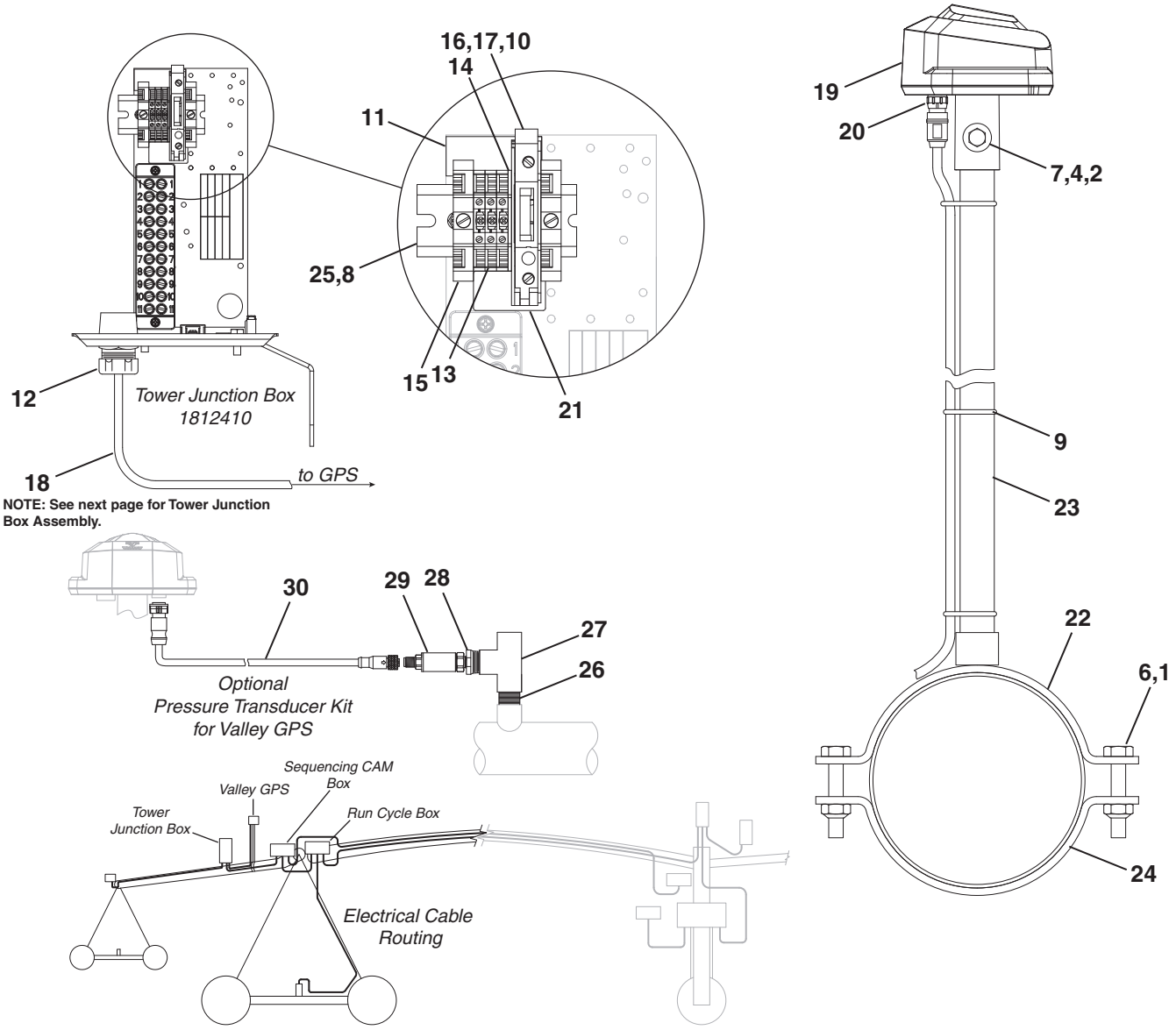
* PLC Jumper Kit..... KA02668
(Item 7 - Decal should be placed over existing Dip Switch Decal when Item 6 - Shunt is used)

** GPS Guidance PLC Kit..... KA02676

Also included with 9312984 (not pictured above):

- Screwdriver - 2.0mm-2.5mm Blade (1 ea.)..... 0178009
- Scotchlock Connector (2 ea.)..... 0314151
- Ty Wrap - Black..... 0314225
- Wire Tie Holder (2 ea.)..... 03E0046
- Cable Tie - 5.5" Long (5 ea.)..... 03E1605
- Field Install - PC OPMC5 Corner GPS Giudance Panel..... 9312985
- Field Install - OPMC5 Dip Switch Settings..... 9312993

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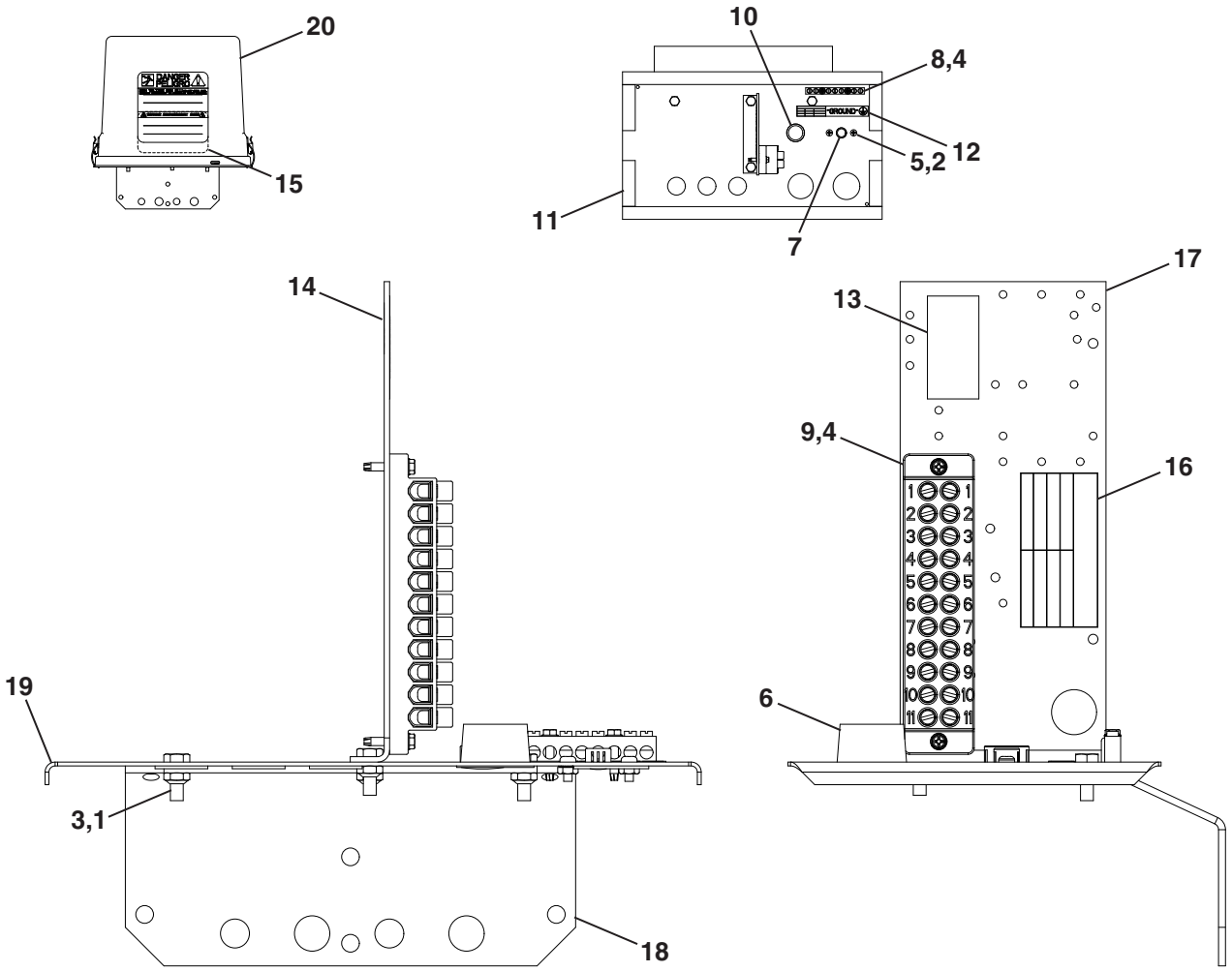
NOTE: See next page for Tower Junction Box Assembly.

ITEM	DESCRIPTION	PART #
1	1/2" Lock Nut	0133005 [1]
2	5/16" Lock Nut	0133007 [1]
3	#8 Hex Nut w/Ext. Tooth L.W. (if needed for tower box)	0134059 **
4	5/16" Flat Washer - Wide	0142017 [1]
5	Reducer Washer - 1.00-.50	0143046 **
6	1/2" x 2-1/2" Cap Screw	0161023 [1]
	1/2" x 3" Cap Screw - Full Thread (for 5" Mount)	0161381 [1]
	1/2" x 3" Cap Screw (for 8-5/8" Mount)	0161136 [1]
7	5/16" x 2" Cap Screw	0161079 [1]
8	#8 x 1/2" Self-Tap. Screw - P.H. (if needed for tower box)	0161355 **
9	Tyton Wrap - Black	0314225 **
10	Fuse - 1.0 Amp 250V	03E2081 **
11	Decal - 1.0 Amp Fuse	03E2082 **
12	Cord Connector - 1/2" Hub	03E2132 **
13	Terminal Block - Din Rail Mount	03E2994 **
14	Terminal Block End Cover	03E2995 **
15	Din Rail End Stop	03E2996 **
16	Fuse Block - Din Rail Mount	03E2997 **
17	Fuse Block End Cover	03E2998 **
18	PLCG 5 Conductor Cable	03E4245 **
19	Valley GPS	03E4246 **
20	Valley GPS Connector Cap	03E4327

ITEM	DESCRIPTION	PART #
21	Decal - Valley GPS Terminal	0980287 **
22	Half Clamp w/Coupler Assm. - 5"	9364854 [1]
	- 6" & 6-5/8"	1704299 [1]
	- 8-5/8"	9364855 [1]
23	Valley GPS Mounting Pipe	1704300 [1]
24	Half Clamp - Two Bolt - 5"	9361241 [1]
	- 6" & 6-5/8"	1720290 [1]
	- 8-5/8"	9361242 [1]
25	Din Rail Mount Channel - 2.50"	9311988 **
26	3/4" x 2" Nipple - Galvanized	0211014 *
27	3/4" x 3/4" x 3/4" Tee Fitting - Galvanized	0242002 *
28	3/4" x 1/4" Reducer - Plastic	0244046 *
29	Pressure Transducer - 0-200 psis	03E3779 *
30	2 Conductor Cable - PLCG	03E4244 *

[1]	Valley GPS Mounting Hardware Kit - 5"	KA02725
	(Includes Clamp Spacer (2) 1701025 - 6"	KA02726
	- 6-5/8"	KA02666
	- 8-5/8"	KA02727
**	Valley GPS Electrical Hardware Kit	KA02667
*	PSI Transducer for Valley GPS Kit	KA02669

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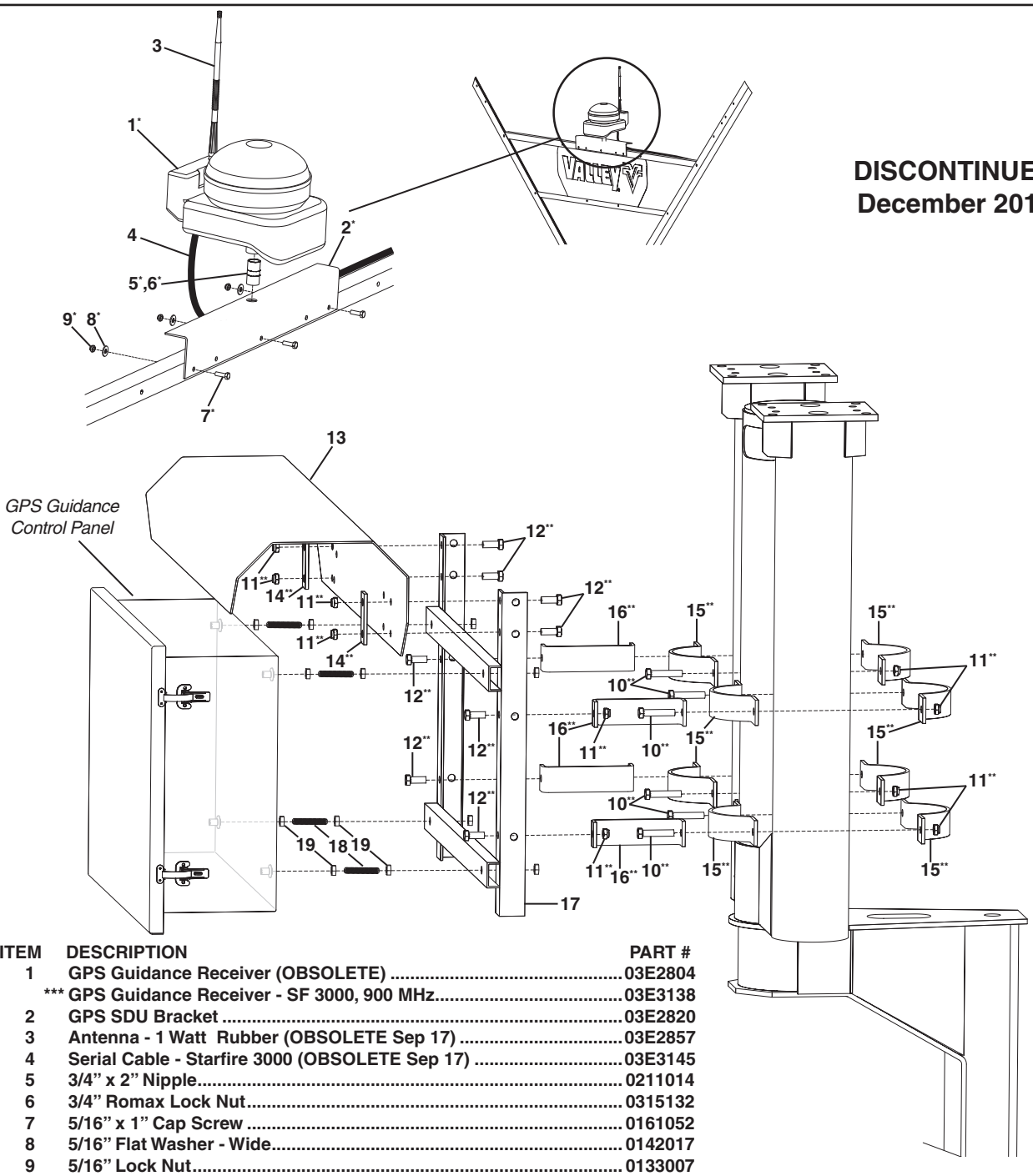


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	1/4" x 3/4" Cap Screw	0161057
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	#8 x 3/8" Round Head Screw - Phillips Head	0164193
6	15x Caplug	0261010
7	Snap Button Hole Plug - 1/2" Dia. Hole	0314749
8	Ground Lug - 7 Terminal	0315120
9	Terminal Block - 11 Terminal 600V	03E1899
10	Snap Button Hole Plug - 7/8" Dia. Hole	03E2166
11	Gasket Kit	0992071
12	Decal - Ground	0992925
13	Decal - UL Power Supply	0994149
14	Decal - 3R Enclosure	0996403
15	Decal - Electrical Schematic	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	Electrical Tower Box Cover - UL	9311146
	Tower Junction Box Assm.	1812410

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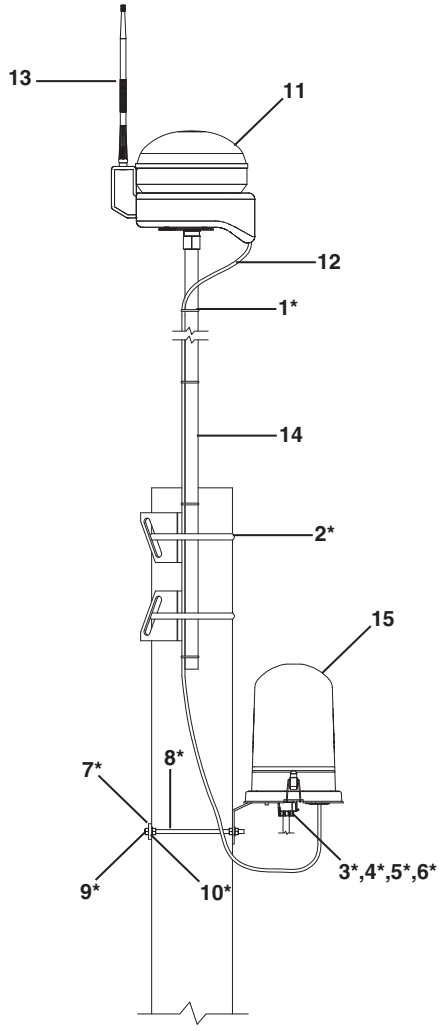
DISCONTINUED
December 2012

ITEM	DESCRIPTION	PART #
1	GPS Guidance Receiver (OBSOLETE)	03E2804
***	GPS Guidance Receiver - SF 3000, 900 MHz	03E3138
2	GPS SDU Bracket	03E2820
3	Antenna - 1 Watt Rubber (OBSOLETE Sep 17)	03E2857
4	Serial Cable - Starfire 3000 (OBSOLETE Sep 17)	03E3145
5	3/4" x 2" Nipple	0211014
6	3/4" Romax Lock Nut	0315132
7	5/16" x 1" Cap Screw	0161052
8	5/16" Flat Washer - Wide	0142017
9	5/16" Lock Nut	0133007
10	1/2" x 2-1/2" Cap Screw	0161023
11	1/2" Lock Nut	0133005
12	1/2" x 1-1/4" Cap Screw	0161027
13	Control Panel Shield	1751005
14	Reinforcement Pad, Control Panel Shield	1751006
15	6" Half Clamp - 2-Bolt	1902010
16	Standoff	9360896
17	Corner Mounting Bracket	1751067
18	3/8" x 2" Threaded Rod	0994523
19	3/8" Hex Nut	0131018
*	SF3000 Corner Corner Mounting Hdwre. Kit (OBSOLETE Sep 17)... (includes Black Wire Ties - 03E2004 (not shown))	KA01400
**	Corner GPS Guidance Panel Mounting Hdwre. Kit ... (includes Harness Conduit - 9311747 (not shown))	KA01413

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

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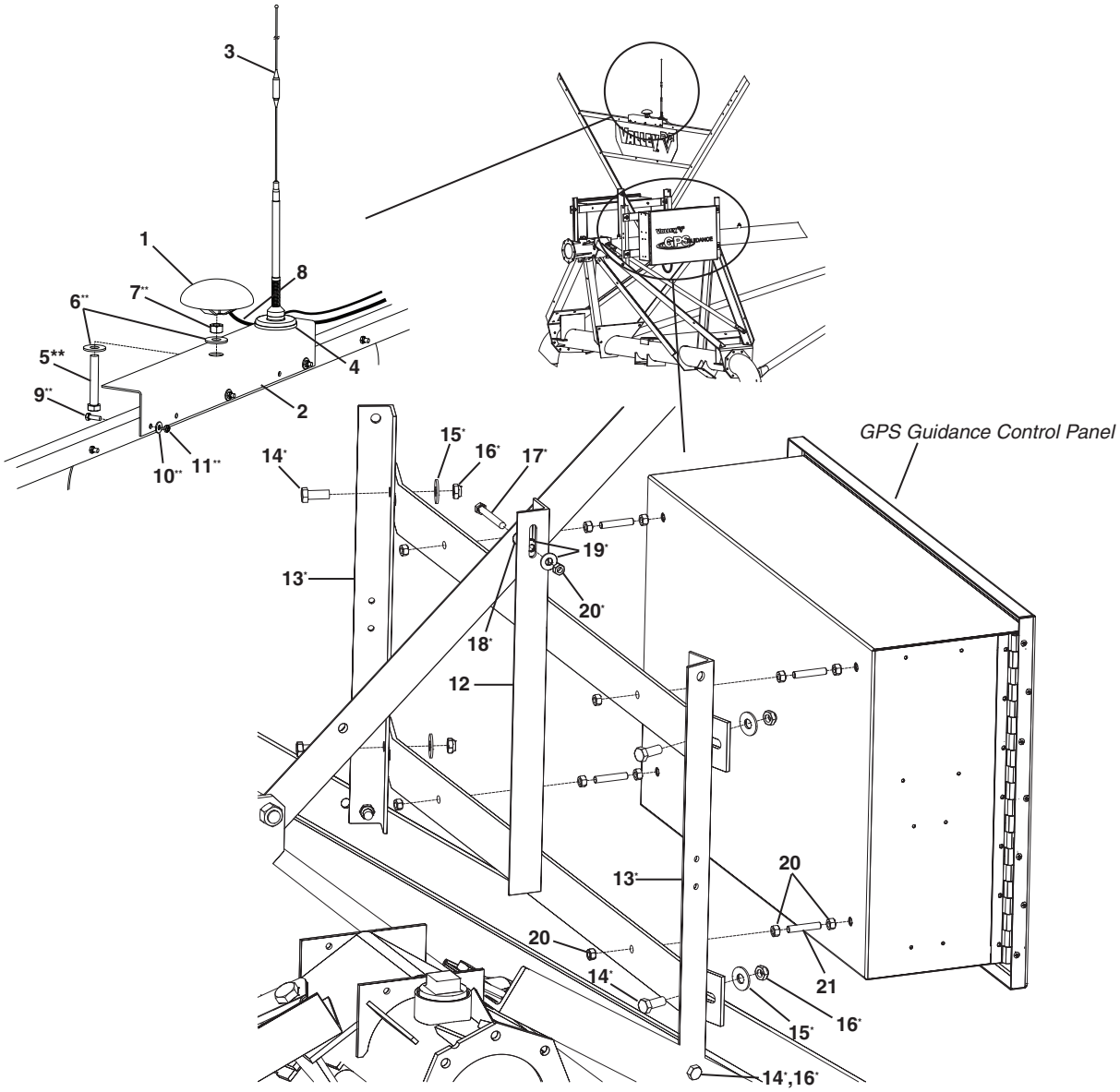
DISCONTINUED
December 2012



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

* GPS Reference Station Mounting Hardware Kit. KA01402
(above kit OBSOLETE Sep 17)
** NOTE: GPS Receiver 03E3138 is replacement for
OBSOLETED Receiver 03E2804.

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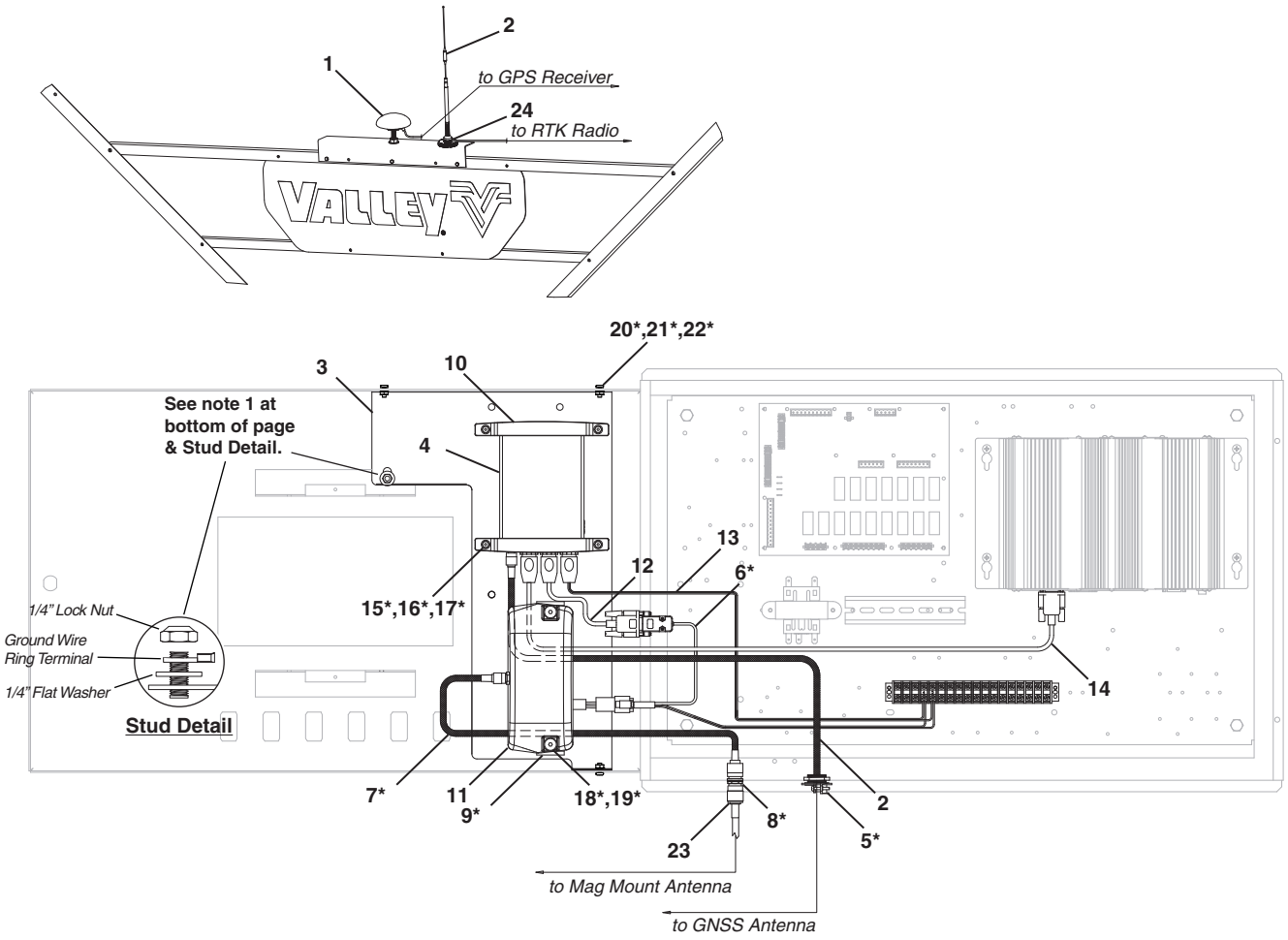
ITEM	DESCRIPTION	PART#
1	GNSS Antenna (OBSOLETE Sep 17)	03E3520
2	GPS SDU Bracket	9311745
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	Magnetic Antenna Mount	03E3521
5	5/8" x 4" Cap Screw - All Thread	0161434
6	5/8" Flat Washer	0142011
7	5/8" Hex Nut	0131009
8	GNSS Antenna Cable	03E3522
9	5/16" x 1" Cap Screw	0161052
10	5/16" Flat Washer - Wide	0142017
11	5/16" Lock Nut	0133007
12	Swing Tower Control Box Mount Assm.	9360663
13	Control Box Side Support	9360666
14	1/2" x 1-1/4" Cap Screw	0161027

ITEM	DESCRIPTION	PART#
15	1/2" Flat Washer - Wide	0142026
16	1/2" Lock Nut	0133005
17	3/8" x 3" Cap Screw	0161037
18	1.75" x .75 O.D. Spacer	9360169
19	3/8" Flat Washer	0142031
20	3/8" Hex Nut	0131018
21	3/8" x 2" Threaded Rod - Stainless Steel	0994523

* Corner GPS Guidance Panel Mounting Hdwre. Kit .. KA01396
(includes Harness Conduit - 9311747 (not shown))
Magnetic Mount & 5db Omni Antenna Kit KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

** NC3050 Corner Mounting Hdwre. Kit KA01400
(includes Black Wire Ties - 03E2004 (not shown)) (OBS. Sep 17)

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ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
3	Panel Door Bracket	9311874
4	NC3050 Receiver - Programmed (OBS. Sep 17)	03E3526
5	3/4" Romax Cable Connector	03E3163
6	RTK Correction Radio Harness (OBS. Sep 17)	03E3530
7	Antenna Jumper - N Male to SP-TNC Male	03E3539
8	Bulkhead - N-Female	0997247
9	Radio Mounting Bracket (OBSOLETE Sep 17)	9312056
10	NC3050 Mounting Bracket (OBSOLETE Sep 17)	03E3524
11	RTK Radio - 400MHz (OBSOLETE Sep 17)	03E3239
	- 900MHz (OBSOLETE Sep 17)	03E3238
12	9-Pin Male to USB & DB9 Fem.-Y-Cable (OBS Sep 17)	03E3523
13	9-Pin Female Power Cable (OBSOLETE Sep 17)	03E3529
14	9-Pin Male to RJ45 & DB9 Fem.-Y-Cable (OBS Sep 17)	03E3525
15	#6 x 3/4" Screw - Phillips	0164230

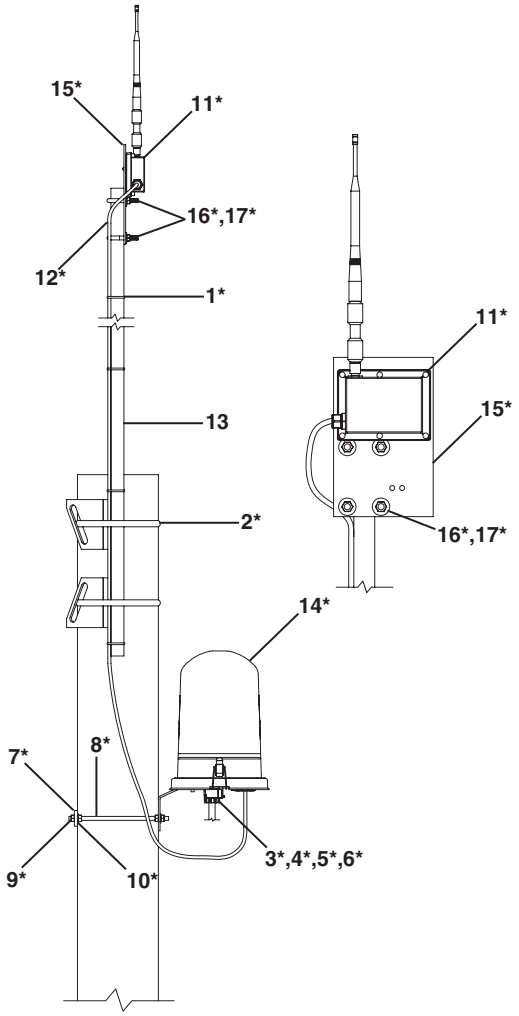
ITEM	DESCRIPTION	PART#
16	#6 Flat Washer	0142074
17	#6 Nut	0134027
18	1/4" x 20mm 2A Flat Screw - Allen Socket	0164234
19	1/4" 2B Hex Nut	0131020
20	#8 x 3/8" Machine Screw 2A	0164110
21	#8 Flat Washer - Stainless Steel	0142084
22	#8 Hex Nut w/External Tooth Lock Washer	0134059
23	Cable - N Male to N Female 15' Foot Long	03E3126
24	Antenna Mount - Magnetic	03E3521

* NC3050 Corner Mounting Hardware Kit KA01400

(cont. from previous page) (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.

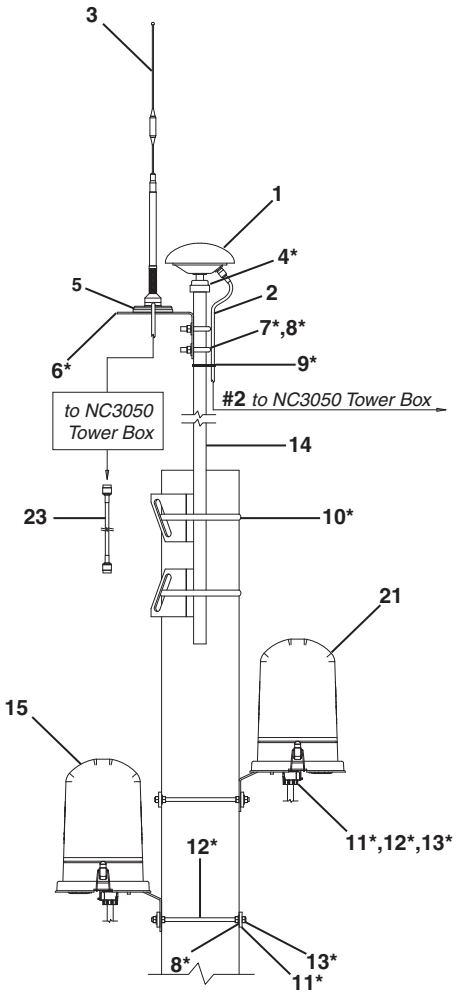
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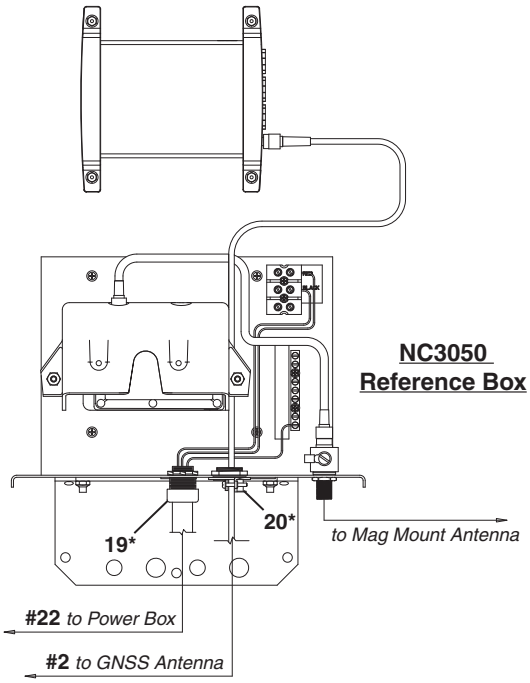


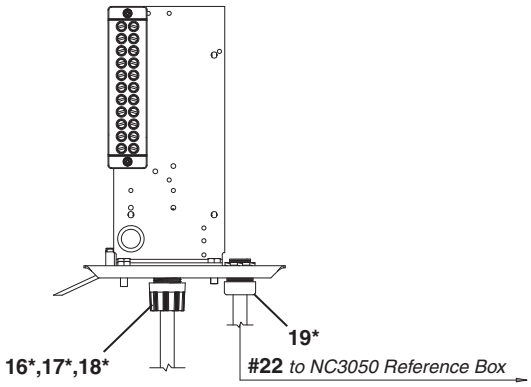
ITEM	DESCRIPTION	PART#
1	Wire Tie - Black	03E2004
2	Clamp - 42"	0271051
3	Strain Relief Hub - .50"	0314119
4	Scotchlok Connector	0314151
5	3/4" Lock Nut - Romax	0315132
6	Shielded Cable - 5 Wire 14 Ga. - OBSOLETE	03E1966
7	Reference Station Mounting Bracket	9363561
8	5/16" Threaded Adjustment Rod	1731232
9	5/16" Hex Nut	0131037
10	1/4" Flat Washer - Wide	0142022
11	GPS Guid. Repeater Radio w/Ant. (OBSOLETE Sep 17)	03E2870
12	Radio Cable (OBSOLETE Sep 17)	03E2859
13	Running Light Bracket Assm.	1781544
14	Power Box Assm. - 480/120 VAC in to 12VDC out	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 (OBSOLETE Sep 17). KA01404**

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Power Supply Box

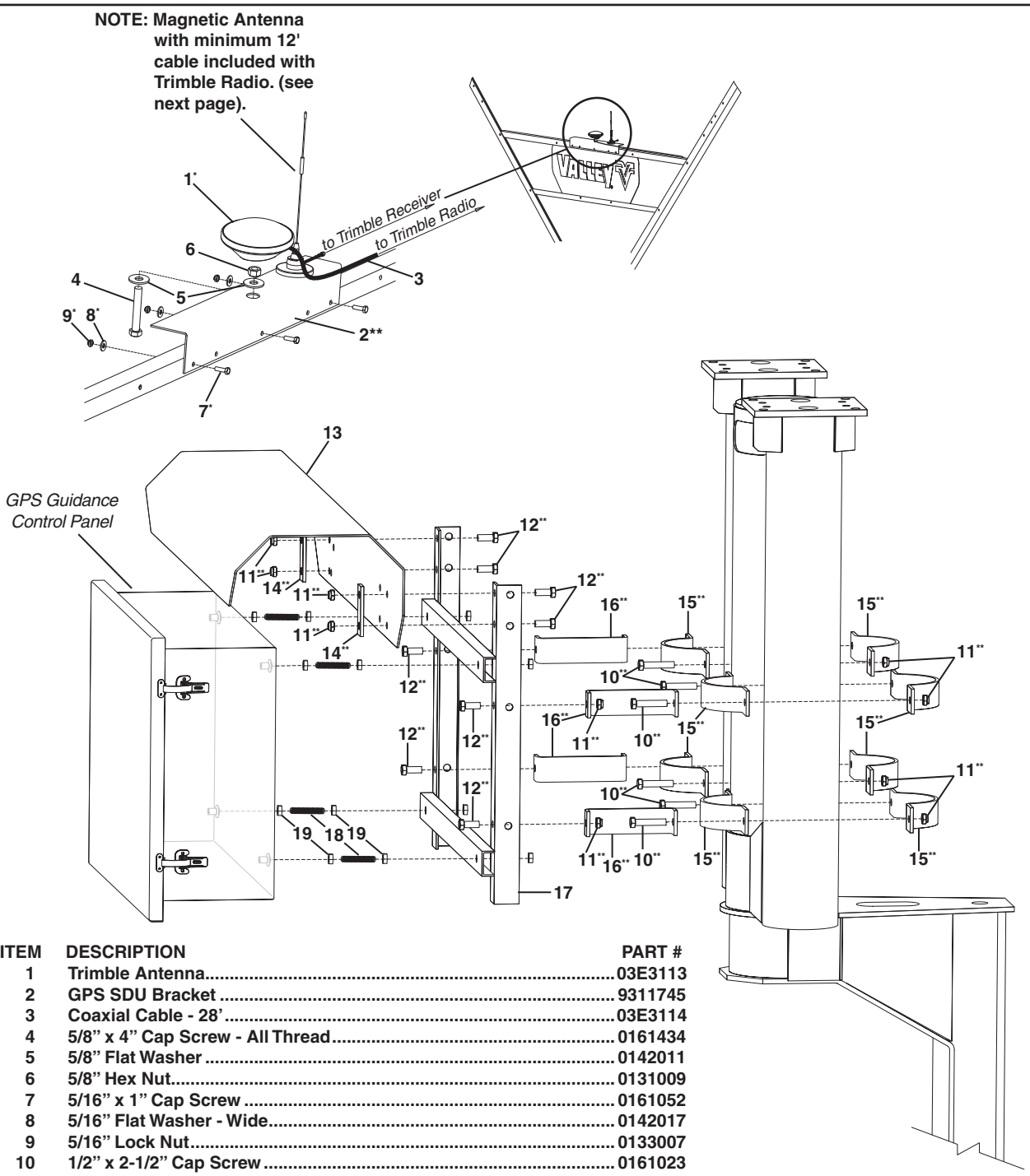
ITEM	DESCRIPTION	PART#
1	GPS Guid. Ant. - NavCom3050 GNSS (OBS. Sep 17)	03E3520
2	GNSS Antenna Cable	03E3522
3	Antenna - 400 MHz (OBSOLETE Sep 17)	03E3527
	- 900 MHz	03E3528
4	GPS Antenna Mount	9363922
5	Antenna Mount - Magnetic	03E3521
6	Magnetic Mount Antenna Bracket	9311890
7	5/16" U-Bolt (provided 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 (OBSOLETE Sep 17)	1815121
	- 900 MHz (OBSOLETE Sep 17)	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 Mount. Hdwr. Kit (OBS. Sep 17) ... KA01402
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.

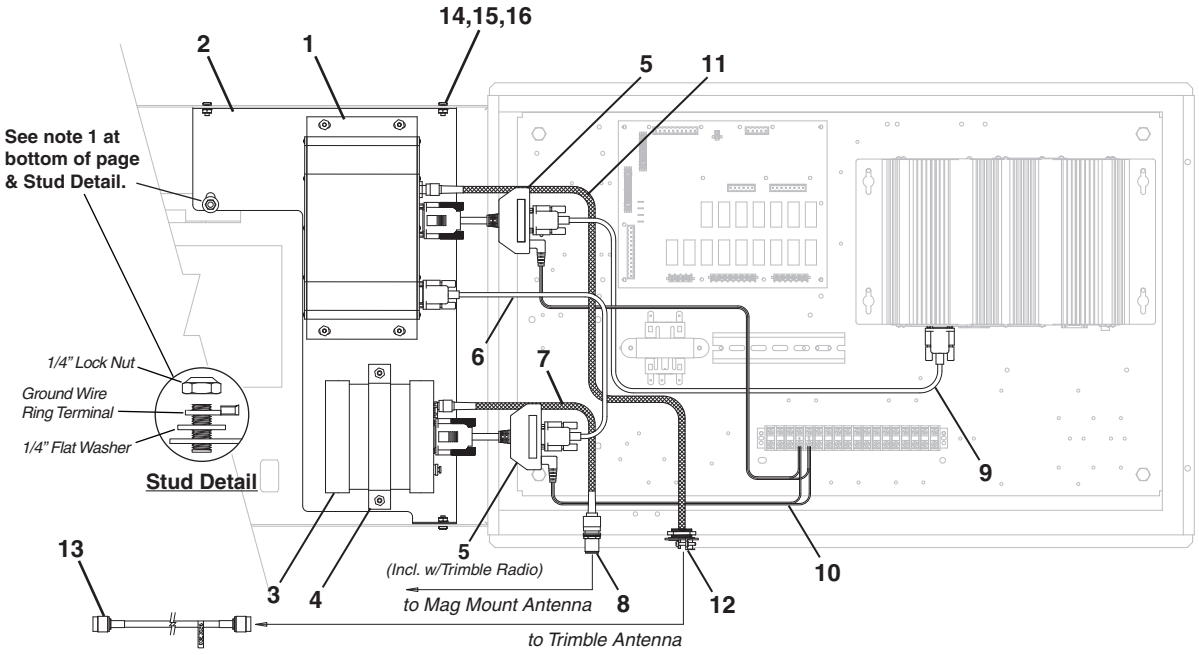
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Functional Area	Assembly / Part	Rev# 08-14
Steering & Guidance	900 MHz Multi-Freq. Trimble GPS Antenna & Control Panel Mntg.	



ITEM	DESCRIPTION	PART #
1	Trimble Antenna	03E3113
2	GPS SDU Bracket	9311745
3	Coaxial Cable - 28'	03E3114
4	5/8" x 4" Cap Screw - All Thread	0161434
5	5/8" Flat Washer	0142011
6	5/8" Hex Nut	0131009
7	5/16" x 1" Cap Screw	0161052
8	5/16" Flat Washer - Wide	0142017
9	5/16" Lock Nut	0133007
10	1/2" x 2-1/2" Cap Screw	0161023
11	1/2" Lock Nut	0133005
12	1/2" x 1-1/4" Cap Screw	0161027
13	Control Panel Shield	1751005
14	Reinforcement Pad, Control Panel Shield	1751006
15	6" Half Clamp - 2-Bolt	1902010
16	Standoff	9360896
17	Corner Mounting Bracket	1751067
18	3/8" x 2" Threaded Rod	0994523
19	3/8" Hex Nut	0131018
*	Corner GPS Guidance Panel Mounting Hdwre. Kit (includes Harness Conduit - 9311747 (not shown))	KA01396
**	Corner GPS Guidance Panel Mounting Hdwre. Kit (includes Harness Conduit - 9311747 (not shown))	KA01413

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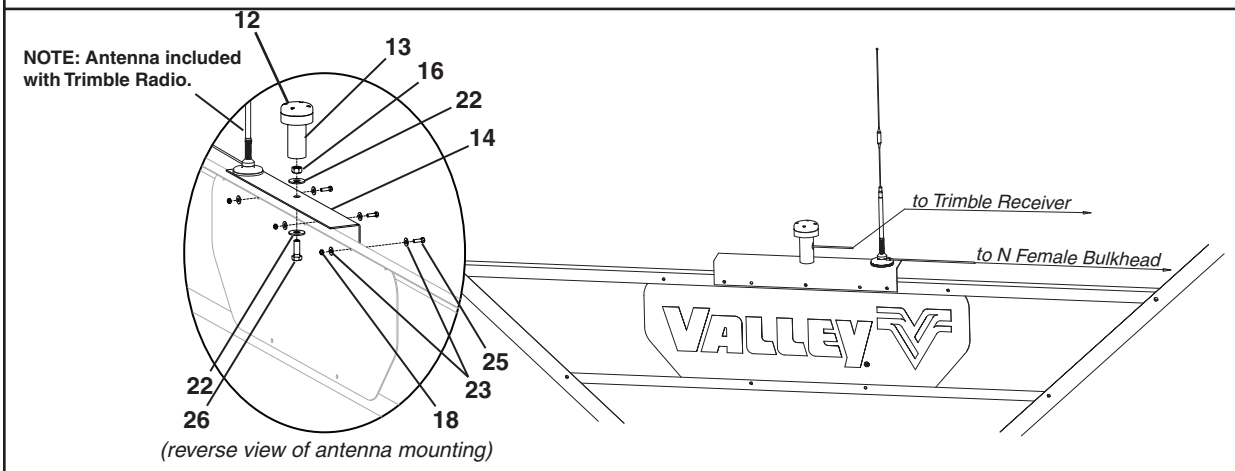
ITEM	DESCRIPTION	PART #
1	Trimble Receiver	03E3111
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Radio Bracket	9311873 *
5	Trimble Power Cable	03E3115
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127 *
7	Antenna Jumper - N Male to TNC Male	03E3128 *
8	N Female Bulkhead	0997247 *
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
10	Power Plug	03E2542 *
11	Coaxial Cable - TNC Male to 90° TNC Male - 28'	03E3114
12	3/4" Cable Connector	03E3163 *
13	Coaxial Cable - N Male to N Female - 15' (if needed)	03E3126
14	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
15	#8 Flat Washer - Stainless Steel	0142084 *
16	#8 x 3/8" Cap Screw	0164110 *

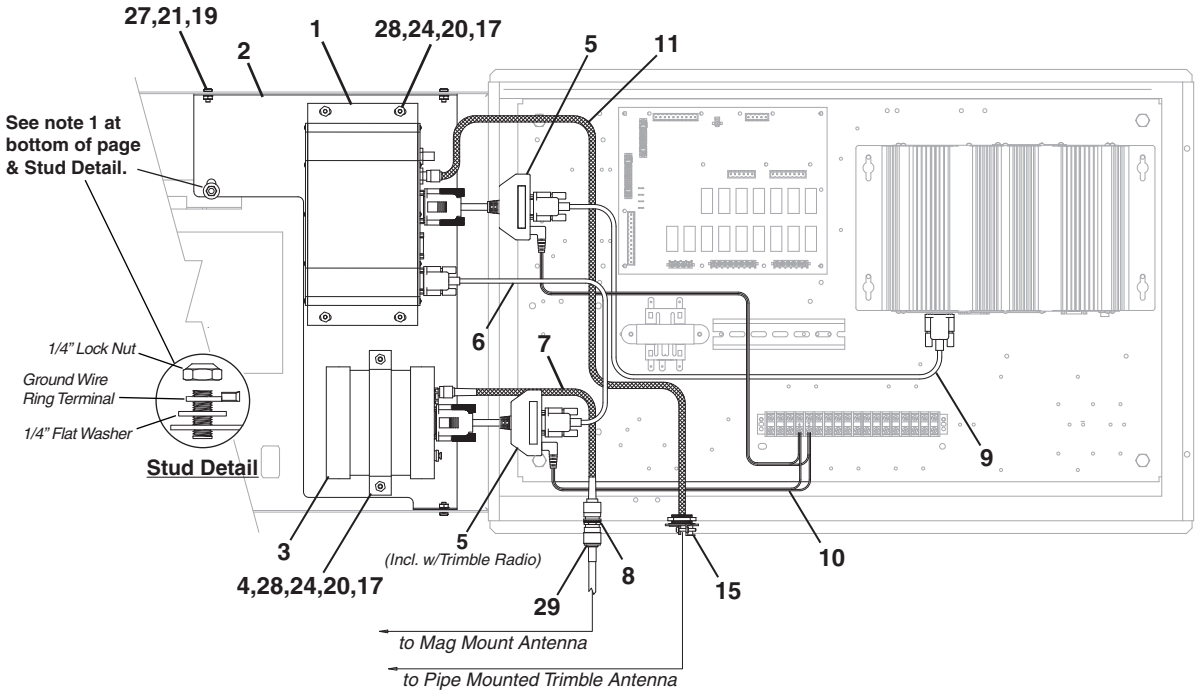
*** Trimble 900 MHz In-Panel Mounting Hardware - Corner KA01464**

(cont'd from previous page)

[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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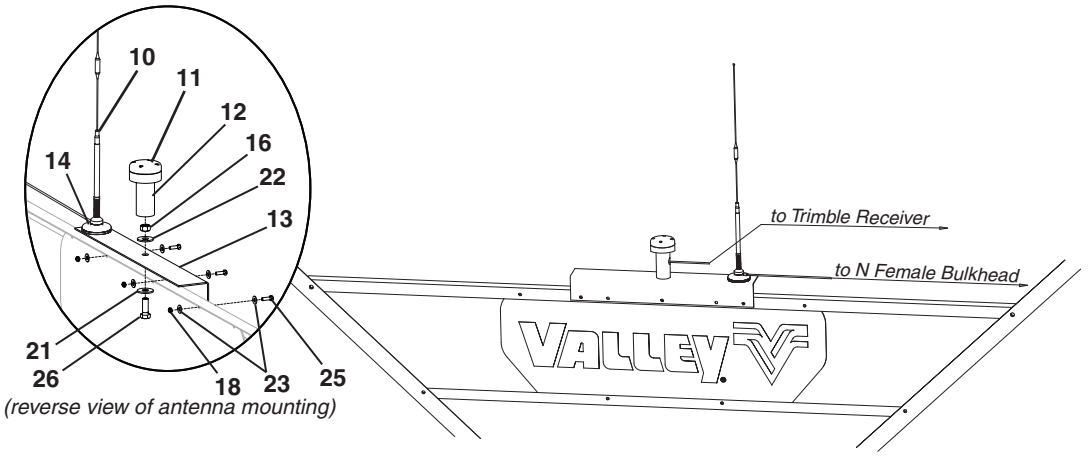
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Trimble Radio - 900 MHz	03E3112
4	Trimble Radio Bracket	9311873
5	Trimble Power Cable	03E3115
6	Null Modem Cable - DB9 Fem to Fem - 1'	03E3127 *
7	Antenna Jumper - N Male to TNC Male	03E3128 *
8	N Female Bulkhead	0997247 *
9	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
10	Power Plug	03E2542 *
11	GNSS Antenna Cable - 12'	03E3522
12	AV33 L1/G1 Aviation Antenna	03E3605
13	Antenna Mount	03E3649
14	GPS SDU Bracket	9311745
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *

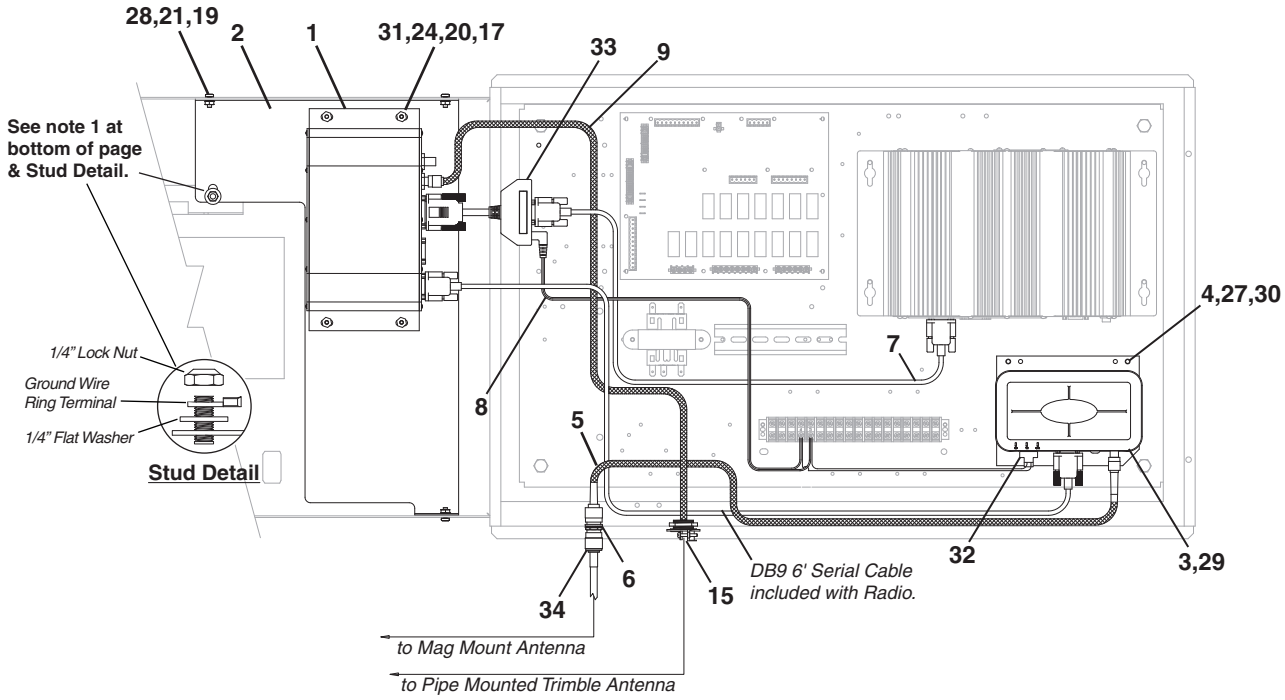
ITEM	DESCRIPTION	PART #
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *
23	5/16" Flat Washer	0142017 *
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 3/8" Cap Screw	0164110 *
28	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
29	Cable - N Male to N Female - 15' Long	03E3126

***Trimble 900 MHz In-Panel Mount Hardware Kit KA01464**

[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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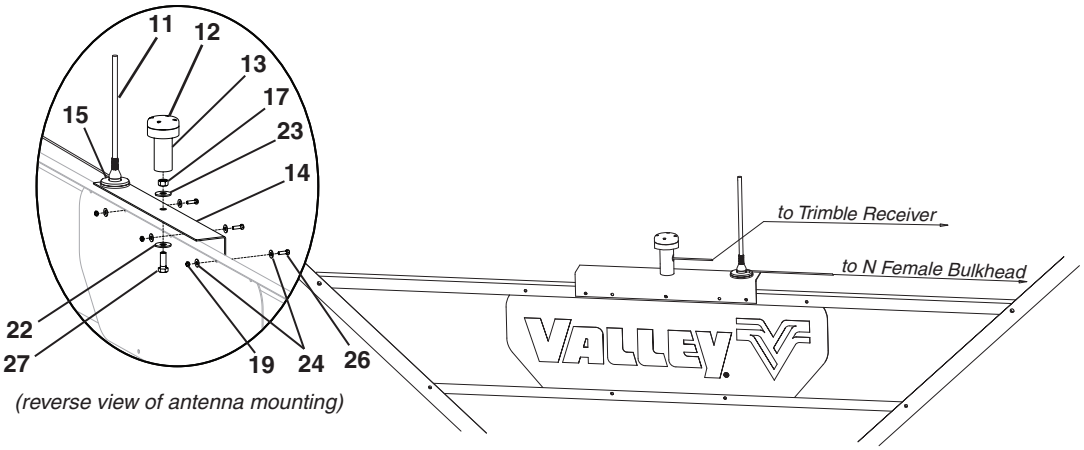
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 900 MHz	03E3061
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	GNSS Antenna Cable - 12'	03E3522
10	900 MHz Antenna	03E3528
11	AV33 L1/G1 Aviation Antenna	03E3605
12	Antenna Mount	03E3649
13	GPS SDU Bracket	9311745
14	Magnetic Antenna Mount	03E3521
15	3/4" Cable Connector	03E3163 *
16	5/8" Hex Nut	0131009 *
17	1/4" Hex Nut	0131020 *
18	5/16" Lock Nut	0133007 *
19	#8 Hex Nut w/External Tooth Lock Washer	0134059 *
20	1/4" Lock Washer	0141009 *
21	#8 Flat Washer - Stainless Steel	0142084 *
22	5/8" Flat Washer	0142011 *

ITEM	DESCRIPTION	PART #
23	5/16" Flat Washer	0142017 *
24	1/4" Flat Washer	0142022 *
25	5/16" x 1" Cap Screw	0161052 *
26	5/8" x 1-3/4" Cap Screw	0161088 *
27	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
28	#8 x 3/8" Machine Screw	0164110 *
29	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
30	#12 x 1/2" Sheet Metal Screw	0164231 *
31	1/4" x 20mm Flat Screw - Allen Socket	0164234 *
32	Power Input Connector	03E3905
33	Trimble Power Cable	03E3115
34	Cable - N Male to N Female - 15' Long	03E3126

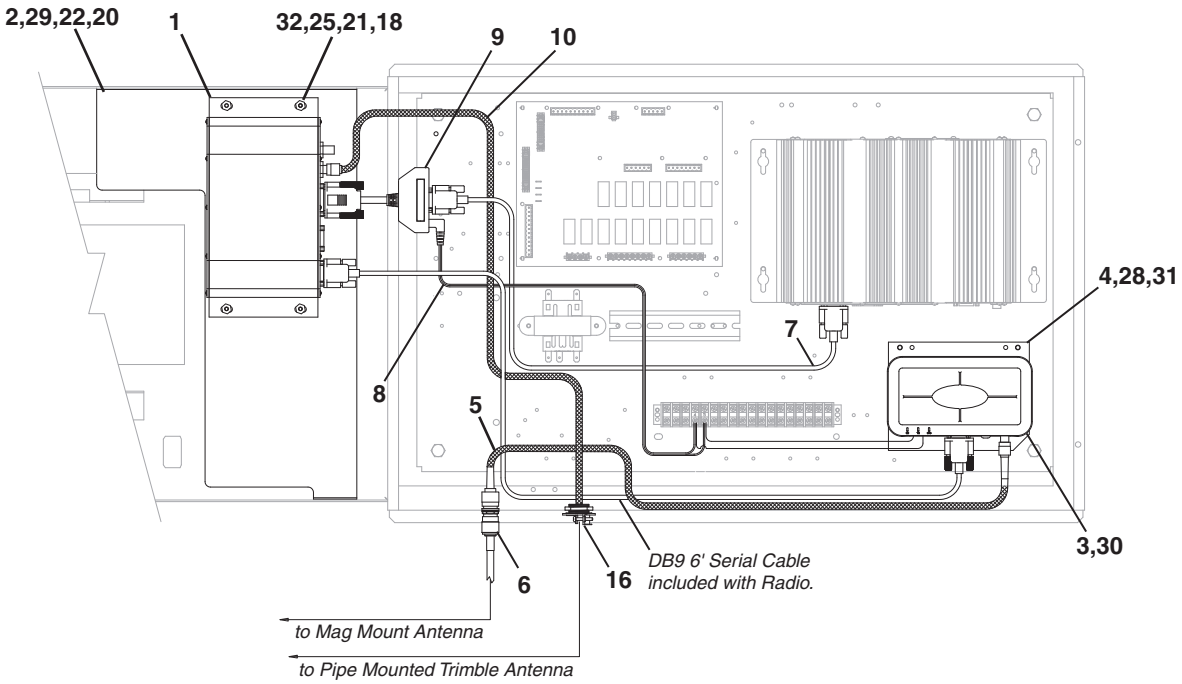
***Trimble Single Freq. Reference Hardware Kit KA01762**
(also included Black Wire Ties..03E2004 (not shown))

NOTE: Power Cable & Power Input Connector incl. with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).
'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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(reverse view of antenna mounting)



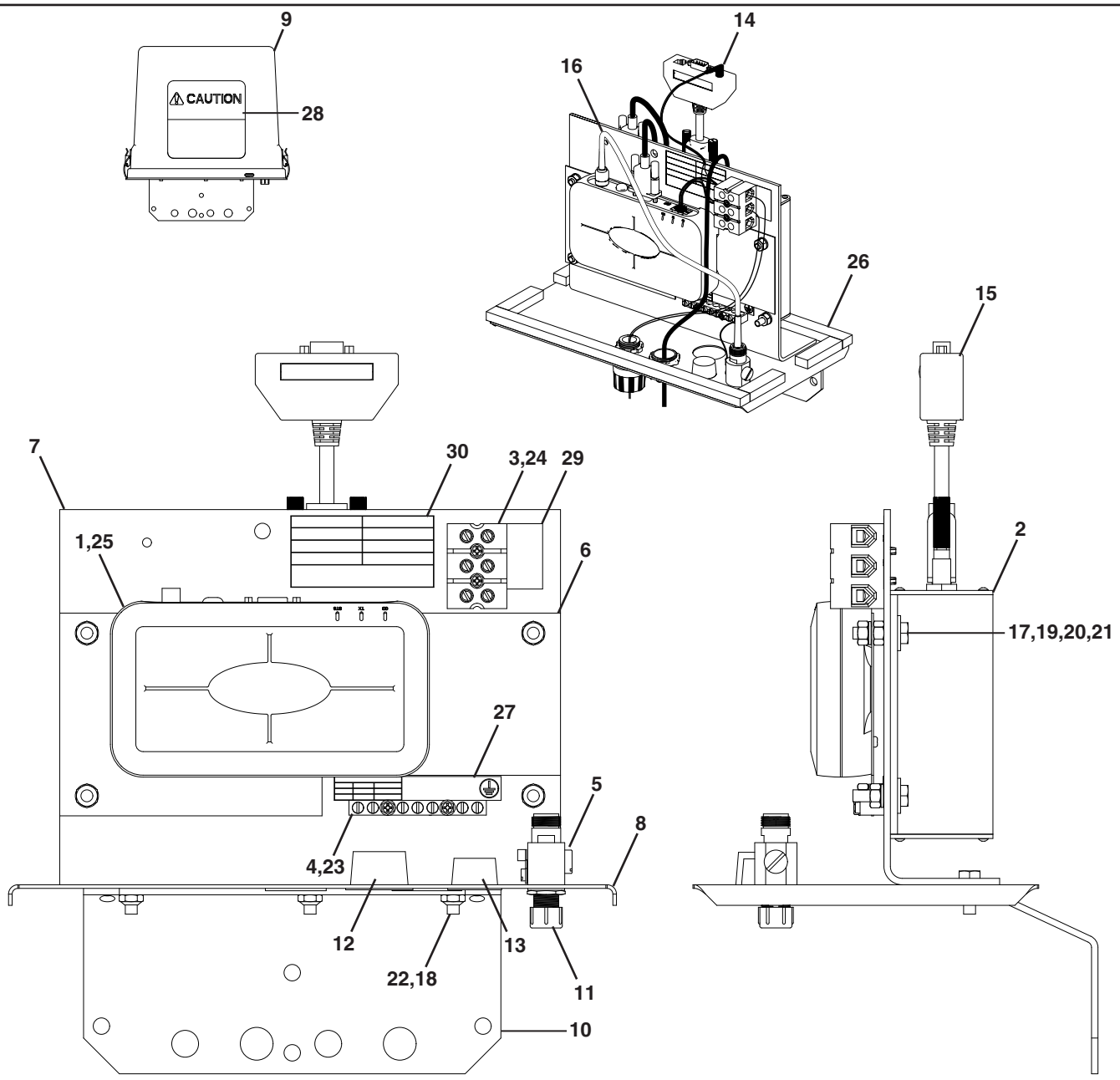
ITEM	DESCRIPTION	PART #
1	Receiver - Single Frequency (Programmed)	03E3650
2	Trimble Mounting Plate	9311874
3	Freewave SSR Radio - 2.4 GHz	03E3915
4	SSR Mounting Plate	9311895
5	Antenna Jumper - N Male to TNC Male	03E3064 *
6	N Female Bulkhead	0997247 *
7	Null Modem Cable - DB9 Fem to Fem - 4'	03E3137 *
8	Power Plug	03E2542 *
9	Trimble Power Cable	03E3115
10	GNSS Antenna Cable - 12'	03E3522
11	2.4 GHz Antenna	03E3916
12	AV33 L1/G1 Aviation Antenna	03E3605
13	Antenna Mount	03E3649
14	GPS SDU Bracket	9311745
15	Magnetic Antenna Mount	03E3521
16	3/4" Cable Connector	03E3163 *
17	5/8" Hex Nut	0131009 *
18	1/4" Hex Nut	0131020 *
19	5/16" Lock Nut	0133007 *

ITEM	DESCRIPTION	PART #
20	#8 Hex Nut	0134023 *
21	1/4" Lock Washer	0141009 *
22	#8 Lock Washer - Internal Tooth	0141038 *
23	5/8" Flat Washer	0142011 *
24	5/16" Flat Washer	0142017 *
25	1/4" Flat Washer	0142022 *
26	5/16" x 1" Cap Screw	0161052 *
27	5/8" x 1-3/4" Cap Screw	0161088 *
28	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355 *
29	#8 x 3/8" Machine Screw	0164110 *
30	#6 x 1/4" Machine Screw - Phillips Pan Head	0164188 *
31	#12 x 1/2" Sheet Metal Screw	0164231 *
32	1/4" x 20mm Flat Screw - Allen Socket	0164234 *

***Trimble 2.4 GHz Single Freq. Reference Hdwre. KA01886**
(also included Black Wire Ties..03E2004 (not shown))

NOTE: Power Cable included with Item 3 Radio.
NOTE: Incl. Coax. Cable (03E3114) - Male to 90° Male (not shown).

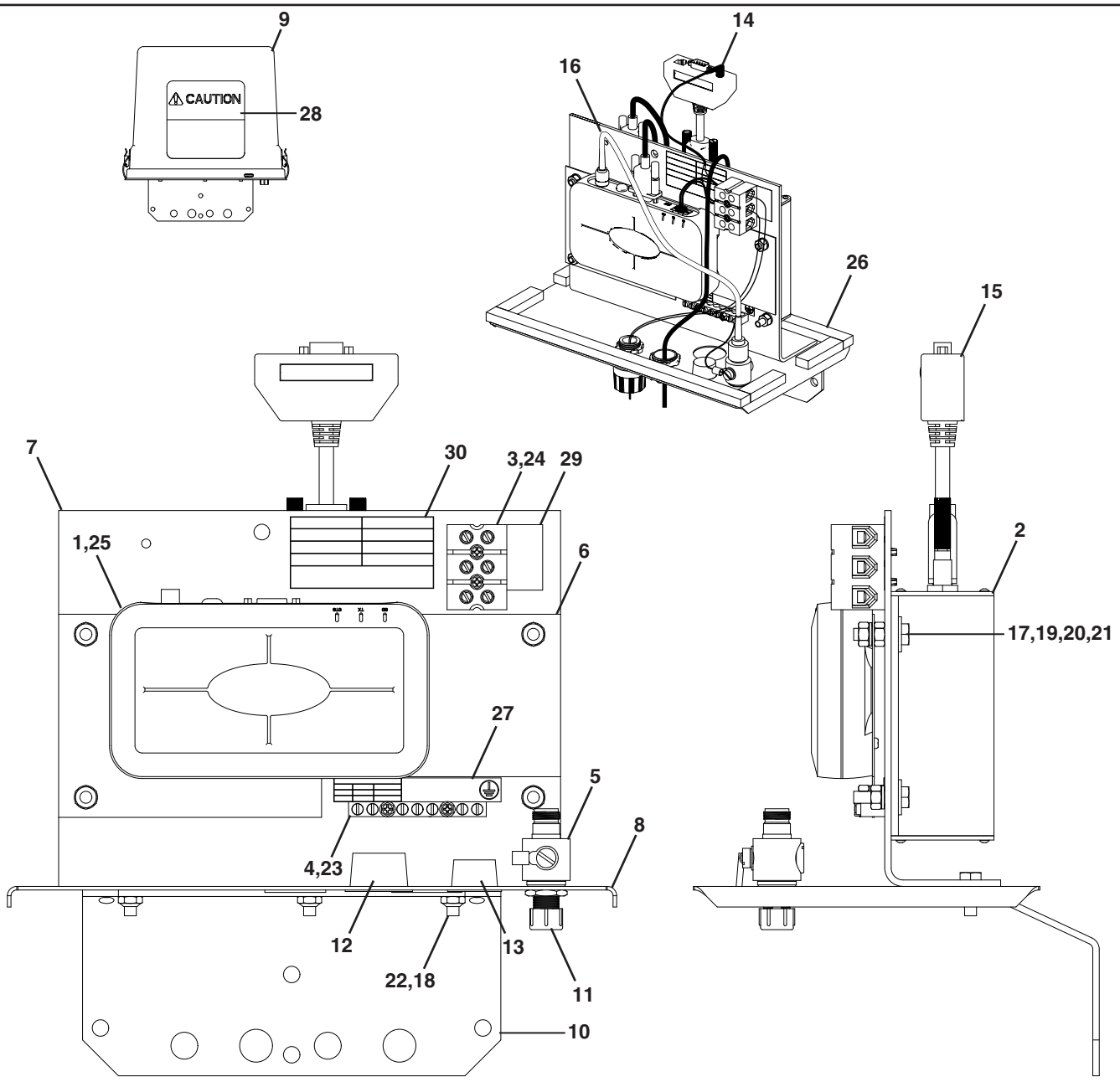
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ITEM	DESCRIPTION	PART #
1	Freewave SSR Radio - 900 MHz	03E3061
2	Single Frequency Reciever - Programmed	03E3650
3	Terminal Strip - 3 Term	0315121
4	Ground Lug - 7 Term.	0315120
5	Coaxial Surge Protector - 230V	03E3194
6	SSR Mounting Plate	9312377
7	Vertical Plate	9311889
8	Bottom Plate	9311884
9	Electrical Tower Box Cover - UL	9311146
10	Mounting Plate	1702054
11	Caplug - 5/8-24 Thread	0261057
12	14 Caplug - Red	0261012
13	12 Caplug	0261008
14	Power Plug - 2.1mm	03E2542
15	Trimble Power Cable	03E3115
16	Antenna Jumper - N Male to SP-TNC Male	03E3539

ITEM	DESCRIPTION	PART #
17	1/4" Hex Nut	0131020
18	1/4" Lock Nut - Grade B	0133008
19	1/4" Lock Washer	0141009
20	1/4" Flat Washer	0142022
21	1/4" x 1" Cap Screw	0161056
22	1/4" x 3/4" Cap Screw - Grade 5	0161057
23	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
24	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
25	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
26	Tower Box Gasket Kit	0992071
27	Decal - Ground	0992925
28	Decal - Caution Disconnect Off and Locked	0998331
29	Decal - Trimble Power	0998337
30	Decal - Terminal Block Torque Copper Wire	0998450
	Single Frequency Receiver Station Assm.	1815214

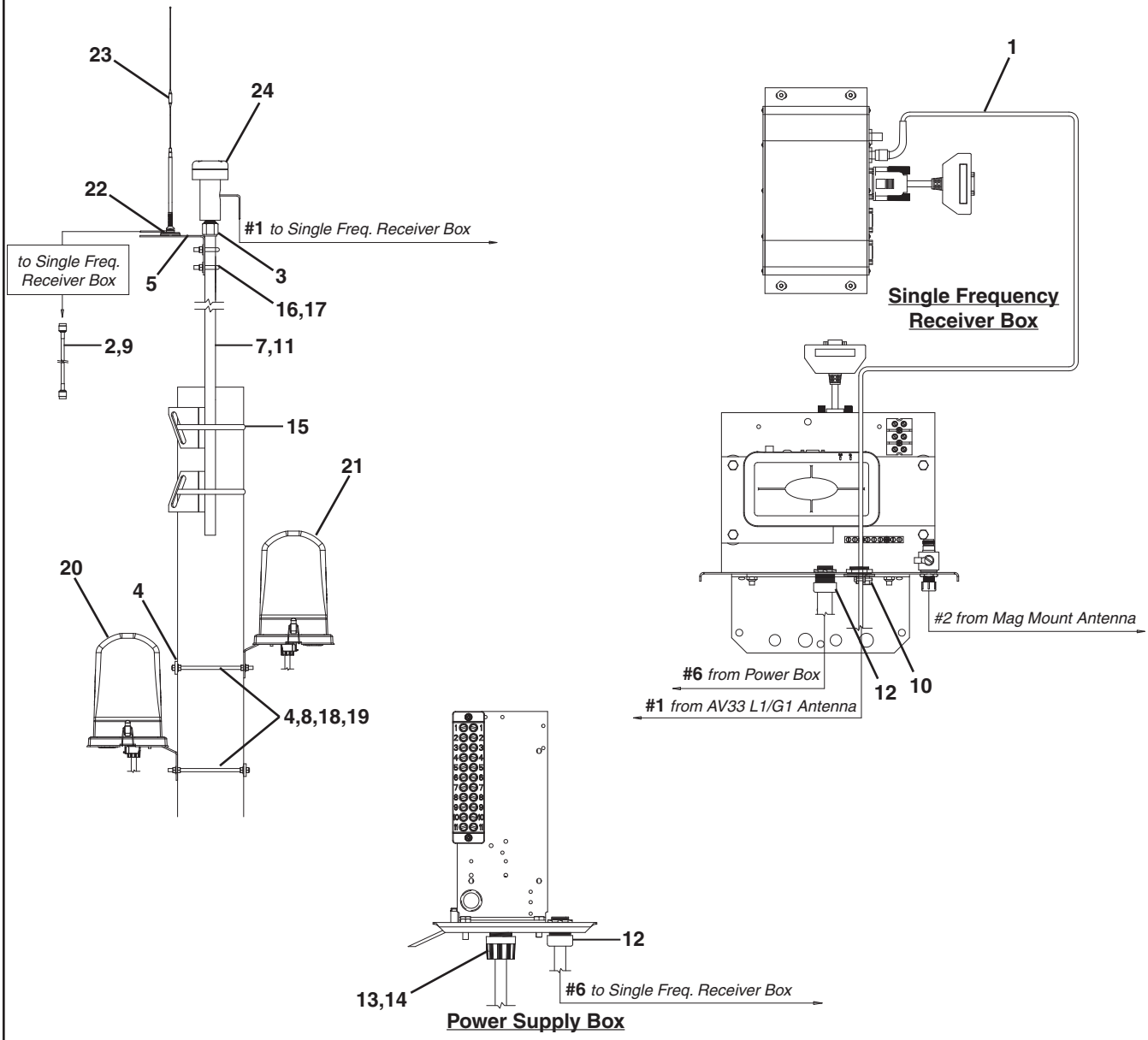
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ITEM	DESCRIPTION	PART #
1	Freewave SSR Radio - 2.4 GHz	03E3915
2	Single Frequency Reciever - Programmed	03E3650
3	Terminal Strip - 3 Term	0315121
4	Ground Lug - 7 Term.	0315120
5	Coaxial Surge Protector - N-Female for SSR	03E3063
6	SSR Mounting Plate	9312377
7	Vertical Plate	9311889
8	Bottom Plate	9311884
9	Electrical Tower Box Cover - UL	9311146
10	Mounting Plate	1702054
11	Caplug - 5/8-24 Thread	0261057
12	14 Caplug - Red	0261012
13	12 Caplug	0261008
14	Power Plug - 2.1mm	03E2542
15	Trimble Power Cable	03E3115
16	Antenna Jumper - N Male to SP-TNC Male	03E3539

ITEM	DESCRIPTION	PART #
17	1/4" Hex Nut	0131020
18	1/4" Lock Nut - Grade B	0133008
19	1/4" Lock Washer	0141009
20	1/4" Flat Washer	0142022
21	1/4" x 1" Cap Screw	0161056
22	1/4" x 3/4" Cap Screw - Grade 5	0161057
23	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
24	#8 x 1-1/4" Self-Tapping Screw - Phillips Head	0161357
25	#6 x 1/4" Pan Head Screw - Phillips Head	0164188
26	Tower Box Gasket Kit	0992071
27	Decal - Ground	0992925
28	Decal - Caution Disconnect Off and Locked	0998331
29	Decal - Trimble Power	0998337
30	Decal - Terminal Block Torque Copper Wire	0998450
	Single Frequency Receiver Station Assm.	1815312

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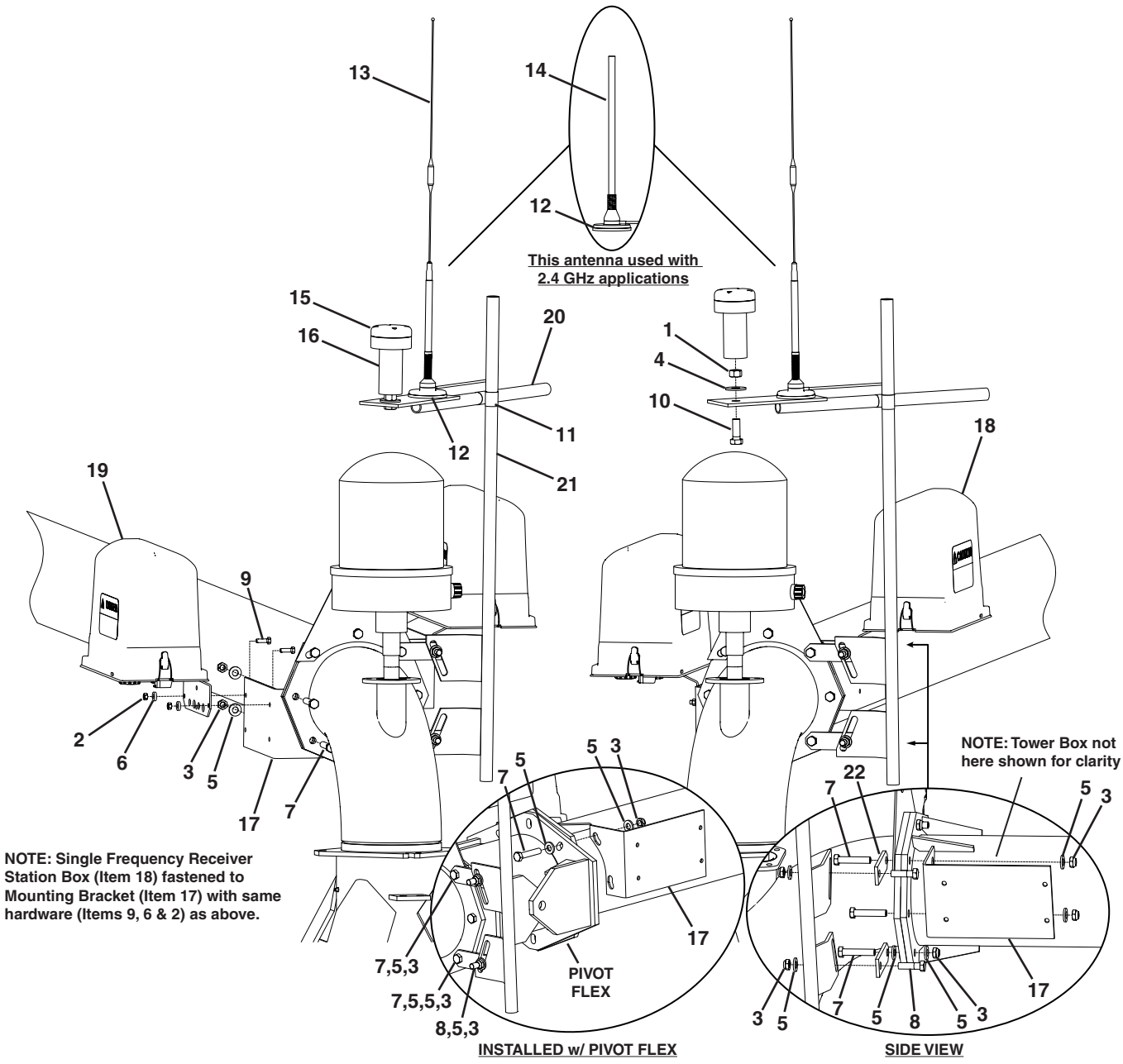
ITEM	DESCRIPTION	PART#
1	Coaxial Cable - Male to 90° Male	03E3114
2	Cable - SP-TNC Male to SP-TNC Female - 15'	03E3126
3	GPS Antenna Mount	9363922 *
4	Reference Station Mounting Bracket	9363561 *
5	Antenna Mount - Magnetic	9311890 *
6	Power Cable - 3 Cond. 14 Ga. - 10' Long	1813424 *
7	Running Light Bracket Assm.	1781544
8	5/16" Threaded Adjustment Rod	1731232 *
9	Self-Bonding Silicon Tape - Not Shown	0996553 *
10	3/4" Romax Cable Connector	03E3163 *
11	Wire Tie - Black - Not Shown	03E2004 *
12	Strain Relief Connector	0315502 *
13	Scotchlok Connector	0314151 *
14	Strain Relief Hub - .50"	0314119 *
15	Clamp - 42"	0271051 *

ITEM	DESCRIPTION	PART#
16	5/16" U-Bolt (provided w/ 2 Hex Nuts)	0176064 *
17	5/16" Flat Washer - Stainless Steel	0142095 *
18	5/16" Flat Washer - Wide	0142017 *
19	5/16" Hex Nut	0131037 *
20	Power Box Assm. - 480/120 VAC in to 12VDC out	1814762
21	Single Frequency Receiver Station Assm.	1815214
22	Magnetic Antenna Mount	03E3521
23	900MHz Antenna	03E3528
24	AV33 L1/G1 Aviation Antenna	03E3605

*** Single Freq. Ref. Station Mounting Hardware. Kit** ..KA01760
Magnetic Mount & 5db Omni Antenna Kit.....KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

NOTE: Item 2 (Extension Cable 03E3126) used as required.

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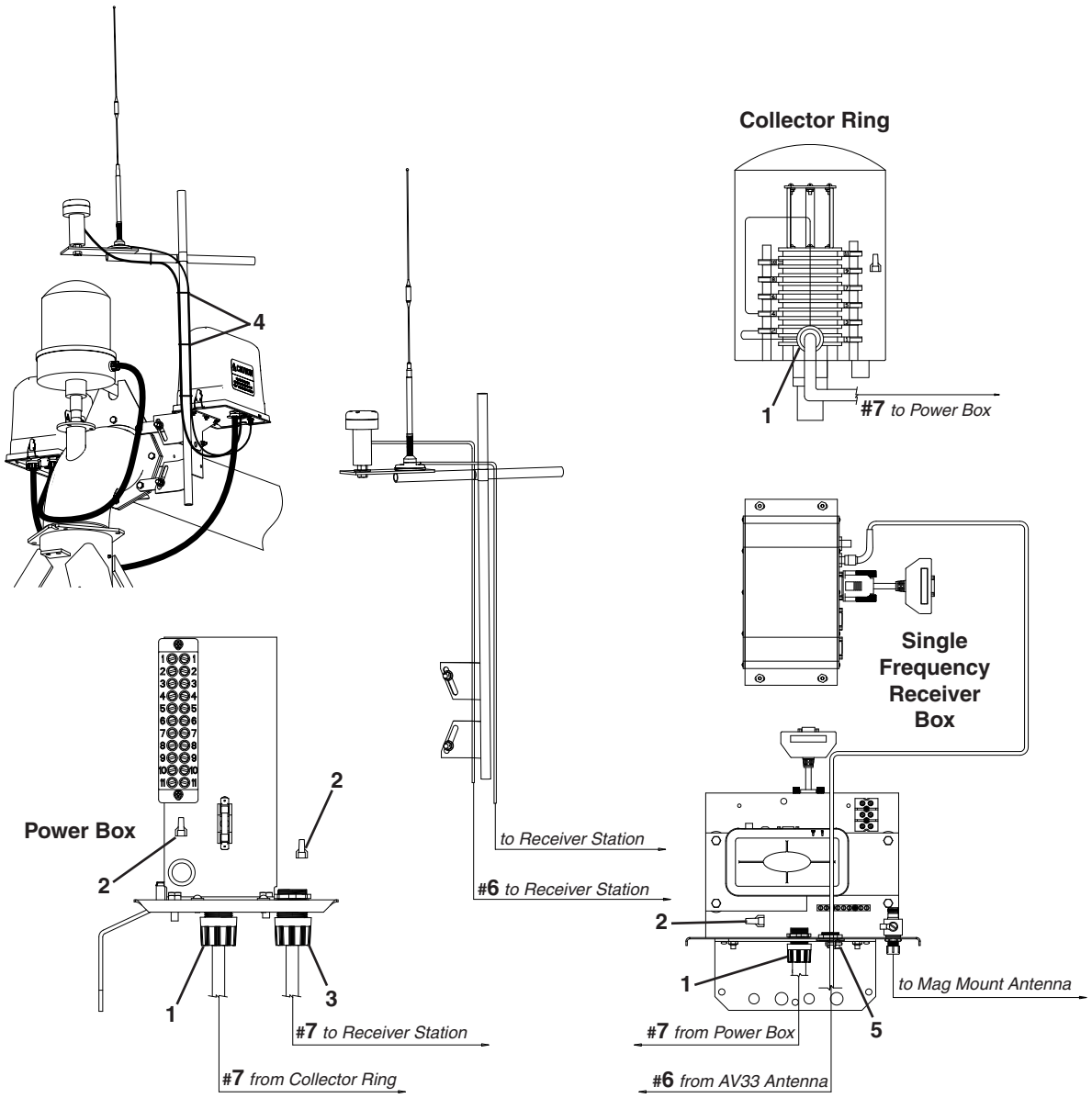


ITEM	DESCRIPTION	PART#
1	5/8" Hex Nut	0131009 *
2	5/16" Hex Nut	0131019 *
3	1/2" Lock Nut	0133005 *
4	5/8" Flat Washer - Wide	0142011 *
5	1/2" Flat Washer - Hardened	0142025 *
6	5/16" Flat Washer - Stainless Steel	0142095 *
7	1/2" x 2-1/2" Cap Screw	0161023 *
8	1/2" x 1-3/4" Cap Screw	0161029 *
9	5/16" x 1" Cap Screw	0161052 *
10	5/8" x 1-3/4" Cap Screw	0161088 *
11	Crossover Pipe Fitting - Kee Klamp	03E1516 *
12	Magnetic Antenna Mount	03E3521
13	900MHz Antenna	03E3528
14	2.4 GHz Antenna	03E3916
15	AV33 L1/G1 Aviation Antenna	03E3605
16	Antenna Mount	03E3649
17	Mounting Bracket - Tower Box to Flange	1704272
18	Single Frequency Receiver Station Assm	1815214
19	Power Box Assm. - 120 VAC in to 12VDC out	1815215
20	Antenna Mount - Horizontal	9364489
21	Antenna Mount - Vertical	9364490
22	Antenna Mount Link	9364495 *

* Single Frequency Pivot Point Reference Hdwre..... KA01763
(some parts from this kit shown on next page)

Magnetic Mount & 5db Omni Antenna Kit..... KA02411
(incl. 900 Mhz 5 db Ant. (03E3528) & Magnetic Ant. Mount 03E3521)

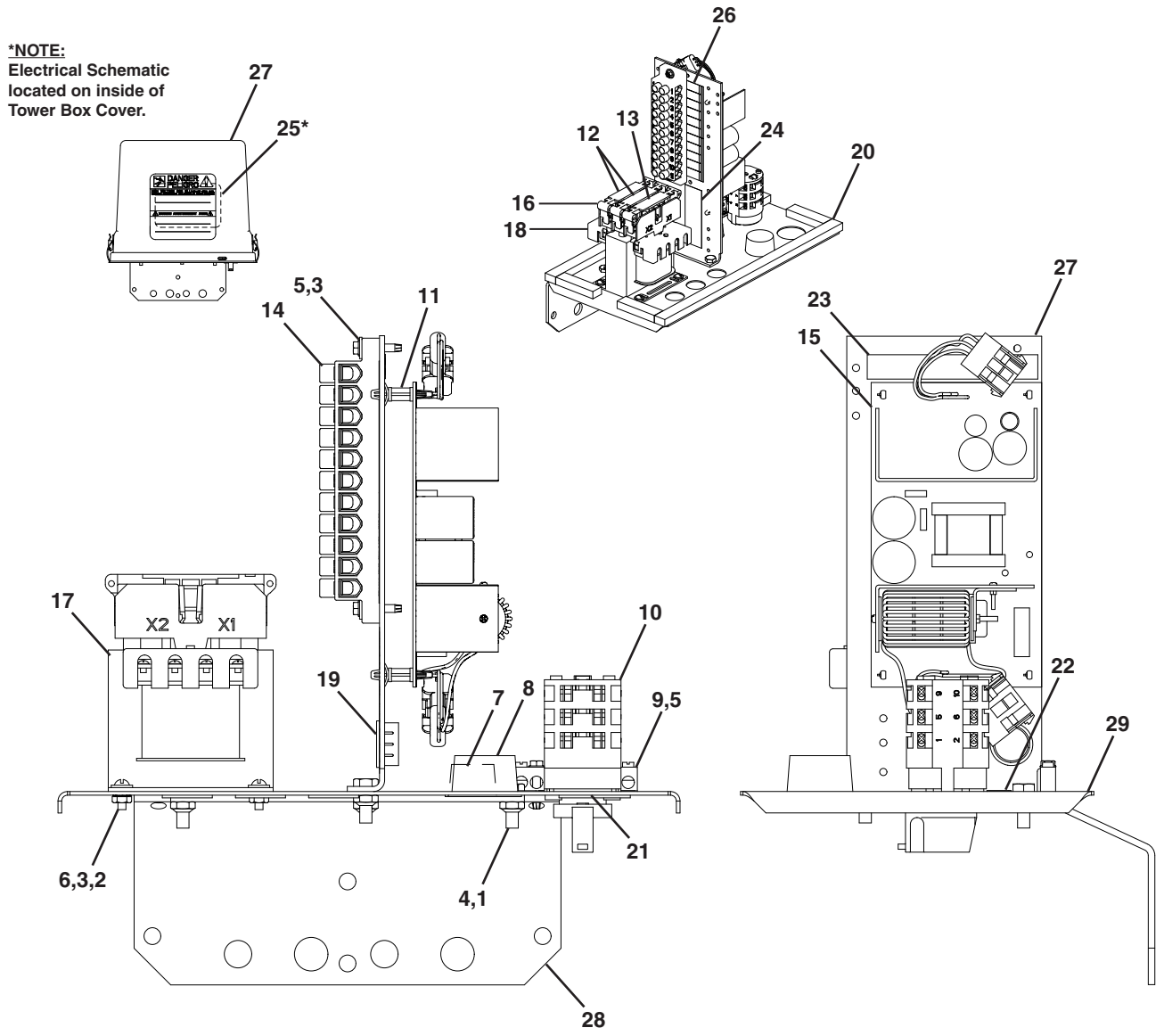
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ITEM	DESCRIPTION	PART#
1	Strain Relief Hub - .5" Hub	0314119*
2	Scotchlock Connector	0314151*
3	Strain Relief Hub - 1" Hub	03E0287*
4	Wire Tie - Black	03E2004*
5	Cable Connector	03E3163*
6	GNSS Antenna Cable	03E3522
7	Electrical Cable - 4 Cond. 14 Ga. 12' Long	1813611

*** Single Frequency Pivot Point Reference Hdwre.....KA01763**
(some parts from this kit shown on previous page)

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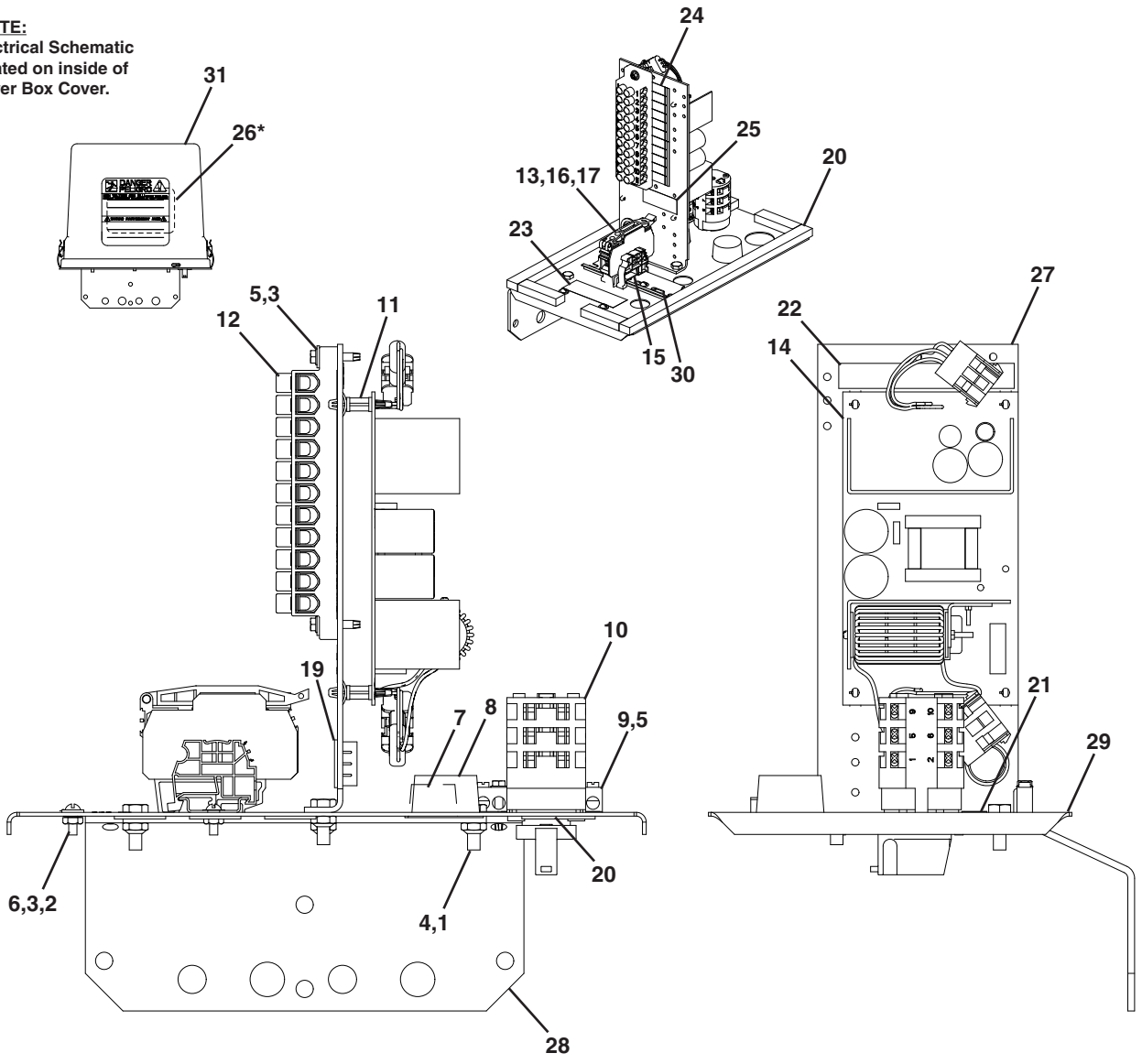


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	#8 Hex Nut w/External Tooth Lock Washer	0134059
3	#8 Flat Washer - Stainless Steel	0142084
4	1/4" x 3/4" Cap Screw	0161057
5	#8 x 7/8" Screw - Self-Tapping	0161356
6	#8 x 1/2" Screw - RH	0164042
7	Caplug 12	0261008
8	Caplug 15x	0261010
9	Ground Lug	0315120
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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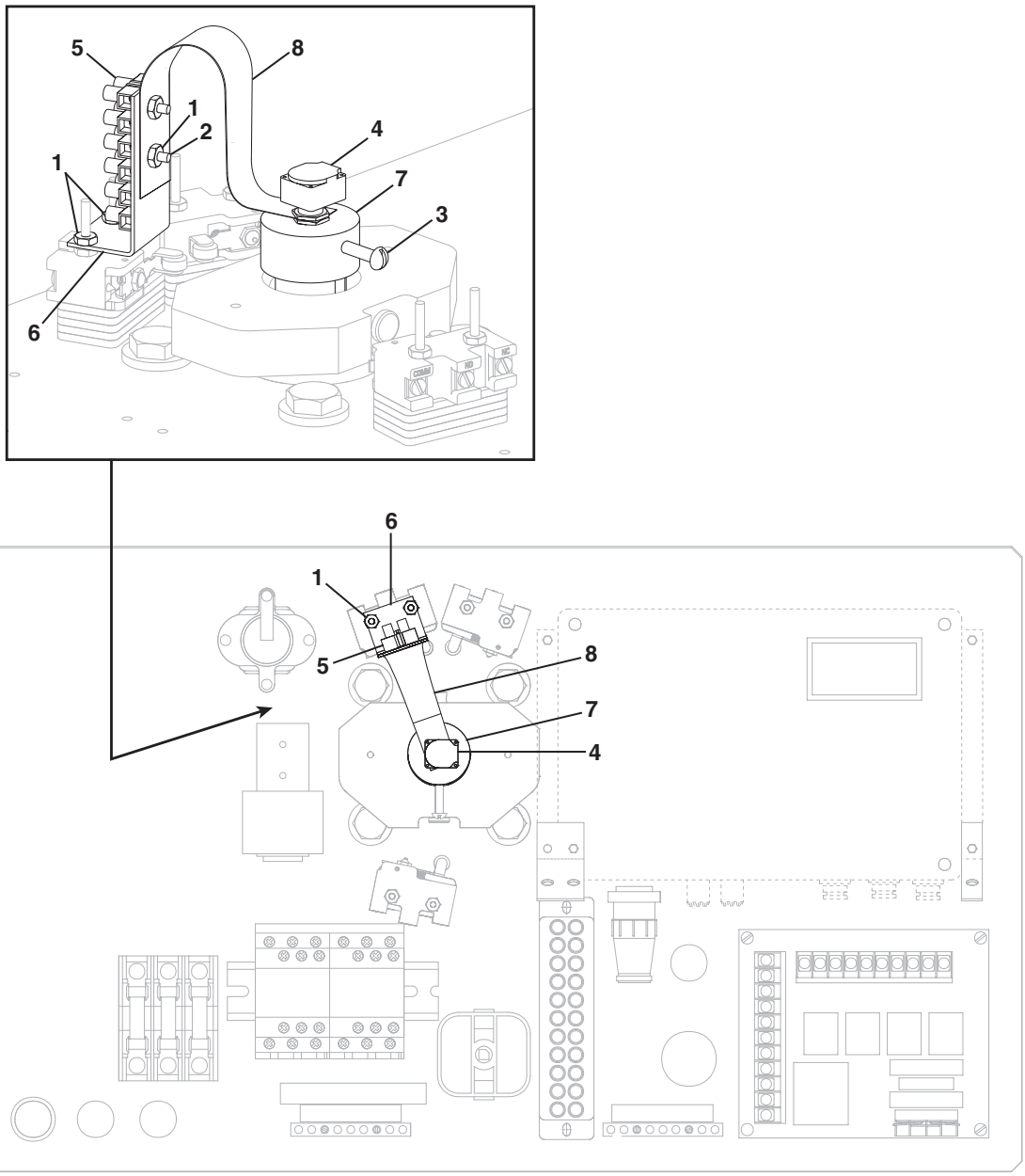
***NOTE:**
Electrical Schematic located on inside of Tower Box Cover.



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	Terminal Block - 11 Term 600V	03E1899
13	Time Delay Fuse - 2 Amp 250V	03E2315
14	Power Supply - 12V	03E2809
15	Din Rail End Stop	03E2996
16	Din Rail Mount Fuse Block	03E2997
17	Fuse Block Cover	03E2998

ITEM	DESCRIPTION	PART #
18	Snap Bushing	0992070
19	Gasket Kit	0992071
20	Decal - Disconnect	0992090
21	Decal - Ground	0992925
22	Decal - Copper Wire ONLY	0994836
23	Decal - 3R Enclosure Decal	0996403
24	Decal - Terminal Strip	0997954
25	Decal - Fuse	0998110
26	Decal - Electrical Schematic	0999116
27	Vertical Component Bracket	1702053
28	Mounting Plate	1702054
29	Bottom Plate	1704173
30	Din Rail Mount Channel - 4.90" Long	9310693
31	Tower Box Cover - UL	9311146
	Power Box Assm. - 120 VAC in to 12VDC out	1815215

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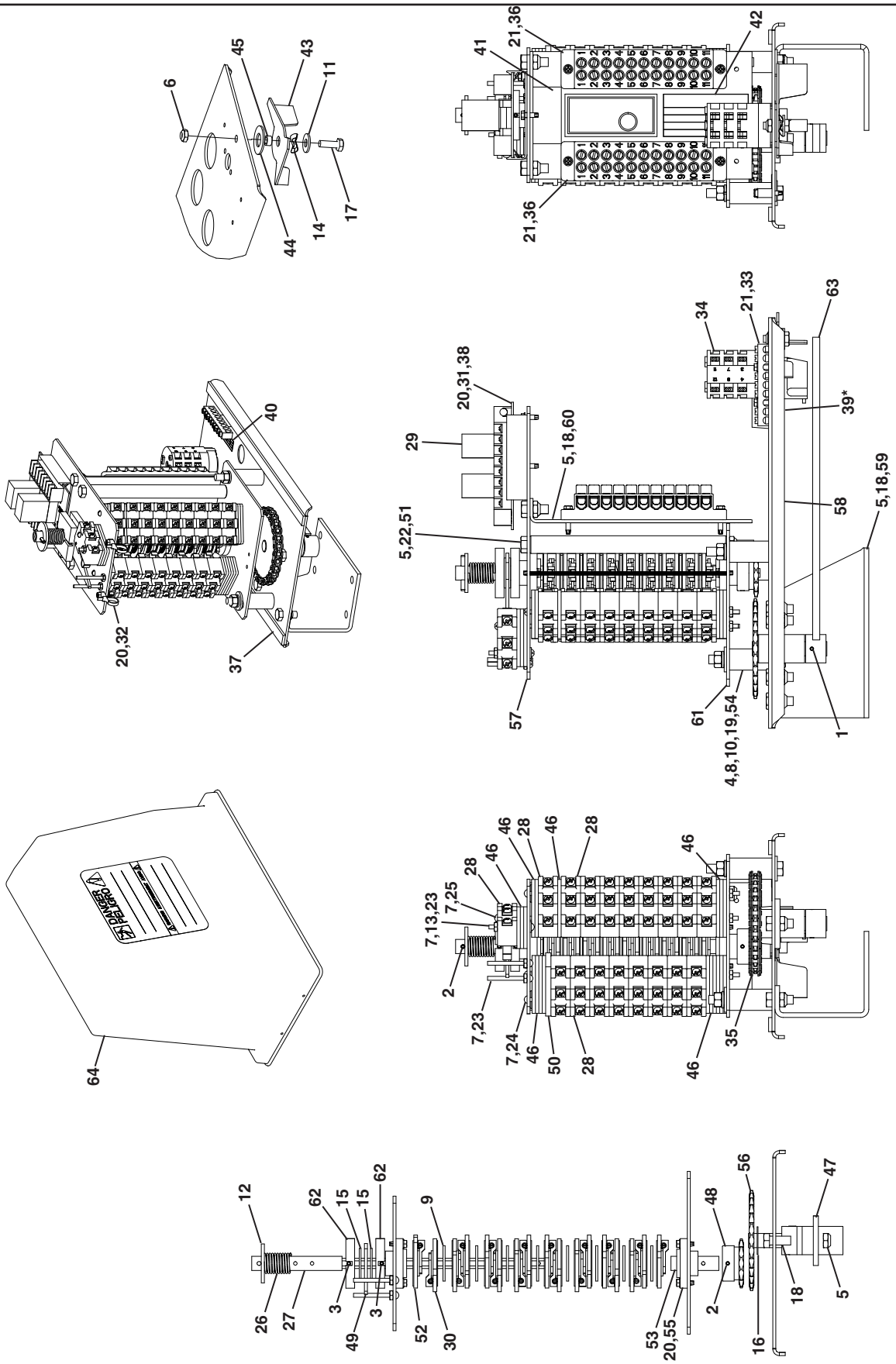


ITEM	DESCRIPTION	PART #
1	#6-32 Nut	0134027
2	#6 x 1/2-32 RH Screw	0164065
3	#10 x 1-1/4-24 RH Screw	0164136
4	Rotary Position Sensor Assm.	03E2023
5	Terminal Strip - 6 Terminal Mini-Strip	03E2102
6	Steer Wheel Angle Sensor Anchor	03E2821
7	Steer Wheel Angle Sensor Hub	03E2832
8	Sensor Arm Bracket	03E2835
	Corner GPS Guidance Sensor Mounting Hardware Kit	KA01399
	NOTE: Kit includes 1-1/2 Amp Fuse (not pictured)	0314858

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Sprinklers and End Gun

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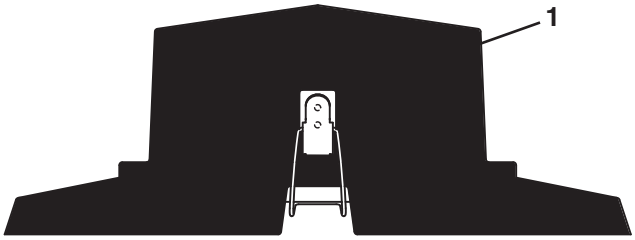


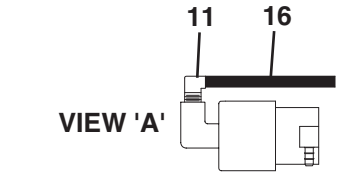
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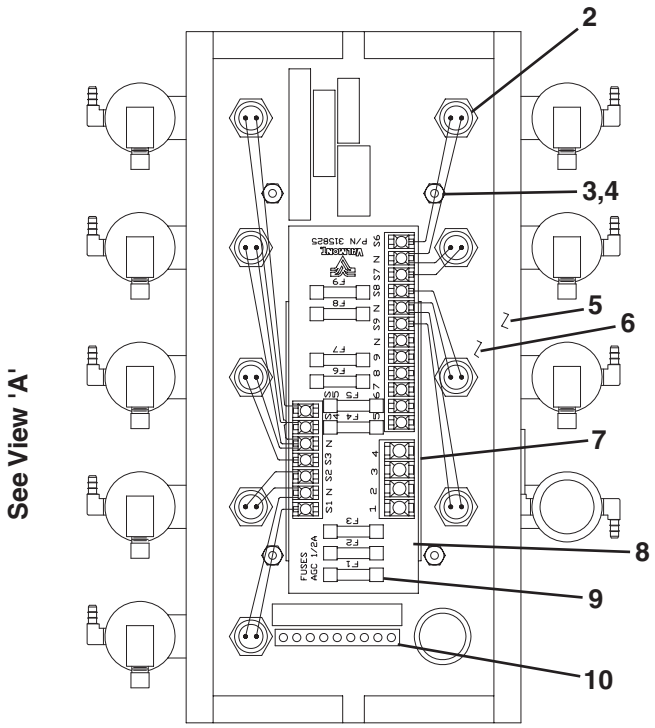
ITEM	DESCRIPTION	PART#
1	1/8" x 1" Roll Pin	0111024
2	1/8" x 1-1/4" Spring Pin	0111036
3	1/8" x 1-1/2" Spring Pin	0111041
4	5/16" Hex Nut	0131019
5	5/16" Lock Nut	0133007
6	1/4" Lock Nut	0133008
7	#6 Hex Nut	0134027
8	5/16" Lock Washer	0141008
9	9/16" Flat Washer - Stainless Steel	0141062
10	5/16" Flat Washer - Wide	0142017
11	1/4" Flat Washer - Wide	0142022
12	1/2" Flat Washer - Wide	0142026
13	#6 Flat Washer	0142074
14	3/8" x 3/4" O.D. Wave Washer	0143030
15	Washer - .062 x .522 x 1.062 Plastic	0143037
16	Washer - .030 x .510 x .968 Stainless Steel	0143047
17	1/4" x 3/4" Cap Screw	0161057
18	5/16" x 3/4" Cap Screw	0161076
19	5/16" x 2-1/2" Cap Screw - Full Thread	0161123
20	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
21	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
22	5/16" x 7-3/4" Cap Screw	0161388
23	#6 x 1-1/2" Screw - Round Head	0164058
24	#6 x 7-1/2" Screw - Round Head	0164164
25	#6 x 8-1/2" Screw - Round Head	0164165
26	Spring	0181064
27	Hex Shaft Assm. for CAM Box	1751284
28	Microswitch - Minimum Travel	0314213
29	Relay - 4-Pole 4PDT 50/60 Hz 120VAC	0314610
30	Adjustable Cam	0314630
31	Solenoid PCB	0314781
32	Wire Tie	0314793
33	Ground Lug - 7 Terminal	0315120
34	Power Disconnect - 6 Pole	0315746
35	Chain - 35 Links Stainless Steel	0322020
36	Terminal Block - 11 Terminal 600V	03E1899
37	Scotch Foam Tape	0991197
38	Snaptrack Mounting Channel - 3" Long	0991422
* 39	Decal - Disconnect	0992090
40	Decal - Ground	0992925
41	Decal - Circuit Supply UL 120V	0994147
42	Decal - Terminal Block Torque Copper Wire	0998450
43	Tower Box Latch - Cam	1701244
44	Washer - Sensor Arm	1701269
45	Bushing & Spacer	1701270
46	Sensor Base Insulator	1701632
47	Hub Mount Assm. - E.O.F. Stop	1731385
48	Cam Sprocket Assm. - 13 Tooth	1750290
49	Cam Selector Control	1750392
50	Cam Spacer	1750722
51	Standoff - Cam Assm	1750862
52	Cam - Over/Under Ext.L	1750863
53	Bushing - Short	1750865
54	Standoff - Sequencing Box	1750866
55	Hub	1750867
56	Sprocket Assm. - 28 Tooth	1750873
57	Solenoid Top Plate	1750877
58	Bottom Plate - Sequencing Box	1750878
59	Mount Bracket- Sequencing Box	1750879
60	Terminal Strip Bracket	1750881
61	Bottom Plate - Solenoid	1750883
62	Cam Selector Guide	1750884
63	Control Bar Assm	1751032
64	Electrical Box Cover - Tall	1701418
	Internal Chain Sequencing Box Assm. (7)	1812238
	Internal Chain Sequencing Box Assm. (9)	1812240

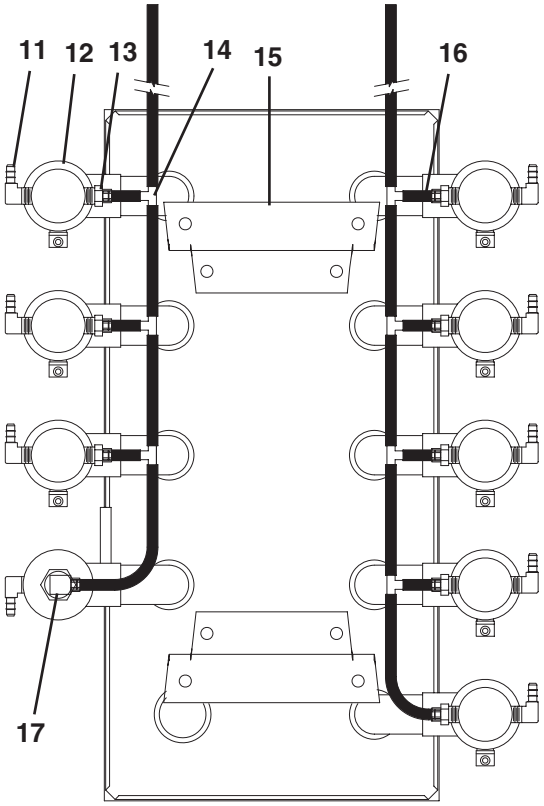
*NOTE: Decal positioned on underside of Bottom Plate.

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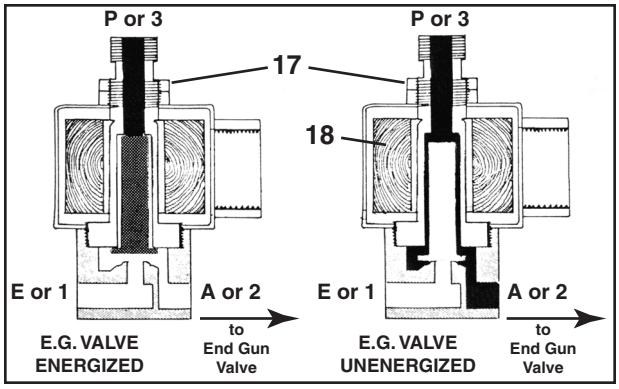






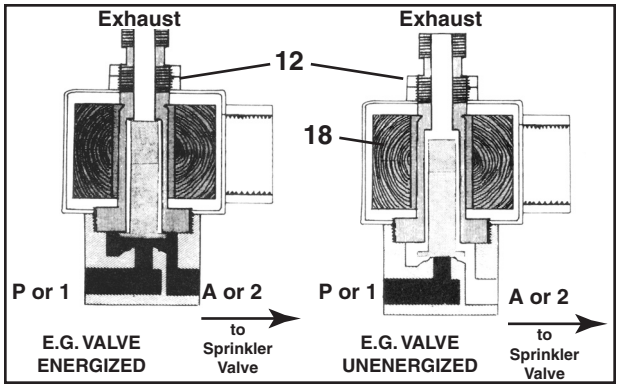


END GUN VALVE (N.O.)



ITEM	DESCRIPTION	PART #
1	Cover Assembly	1703791
2	1/2" Rigid Conduit Nipple	0244037
3	1/4" x 3/4" Cap Screw	0161057
4	1/4" Hex Nut	0131020
5	Gasket	0992081
6	Bottom Plate	1702070
7	Snaptrack	0991587
8	P.C.B. Solenoid Fuse Panel	0315825
9	1/2 Amp Fuse	0315180
10	Ground Lug	0315120
11	90° Tube Connector	0232361

SPRINKLER VALVE (N.C.)

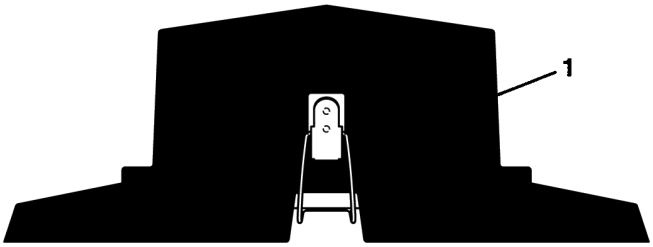


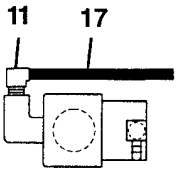
ITEM	DESCRIPTION	PART #
12	Sprinkler Solenoid Valve (N.C.)	0232450
13	Hose Barb to Male Pipe	0232362
14	1/4" Union Tee	0270002
15	Solenoid Box Stand	1703808
16	Nylon Tubing	0272050
17	End Gun Solenoid Valve (N.O.)	0232452
18	Skinner Solenoid Valve Coil	0232451

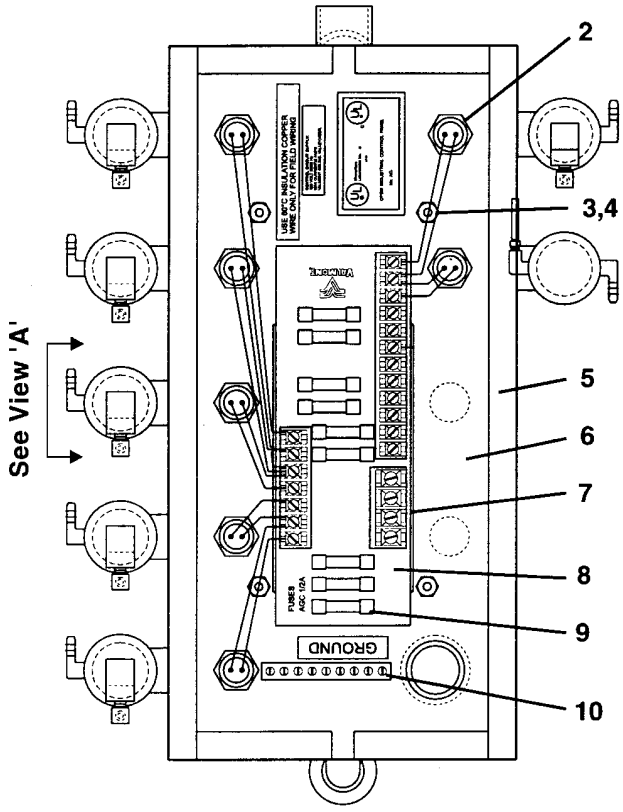
COMPLETE 7-Solenoid Valve Box..... 1811226
COMPLETE 9-Solenoid Valve Box (shown above)... 1811227

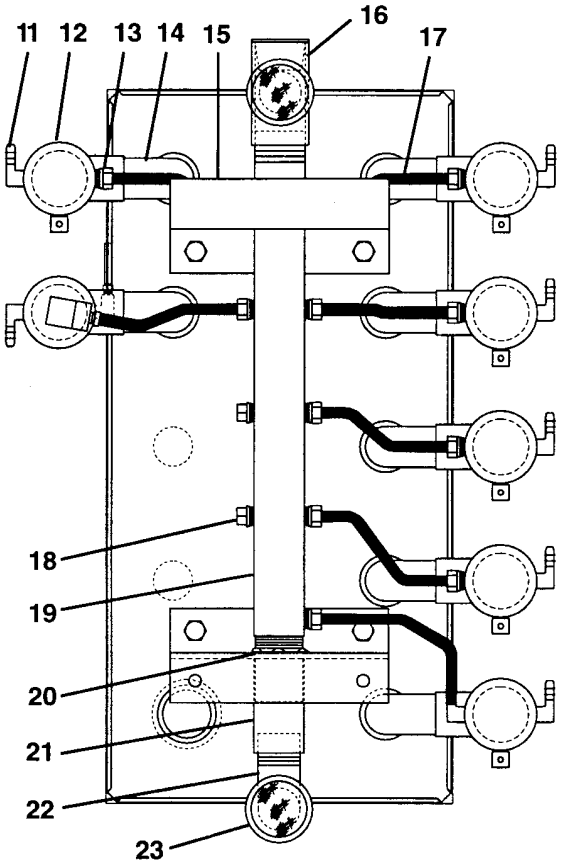
NOTE: Cover not included with Solenoid Box.

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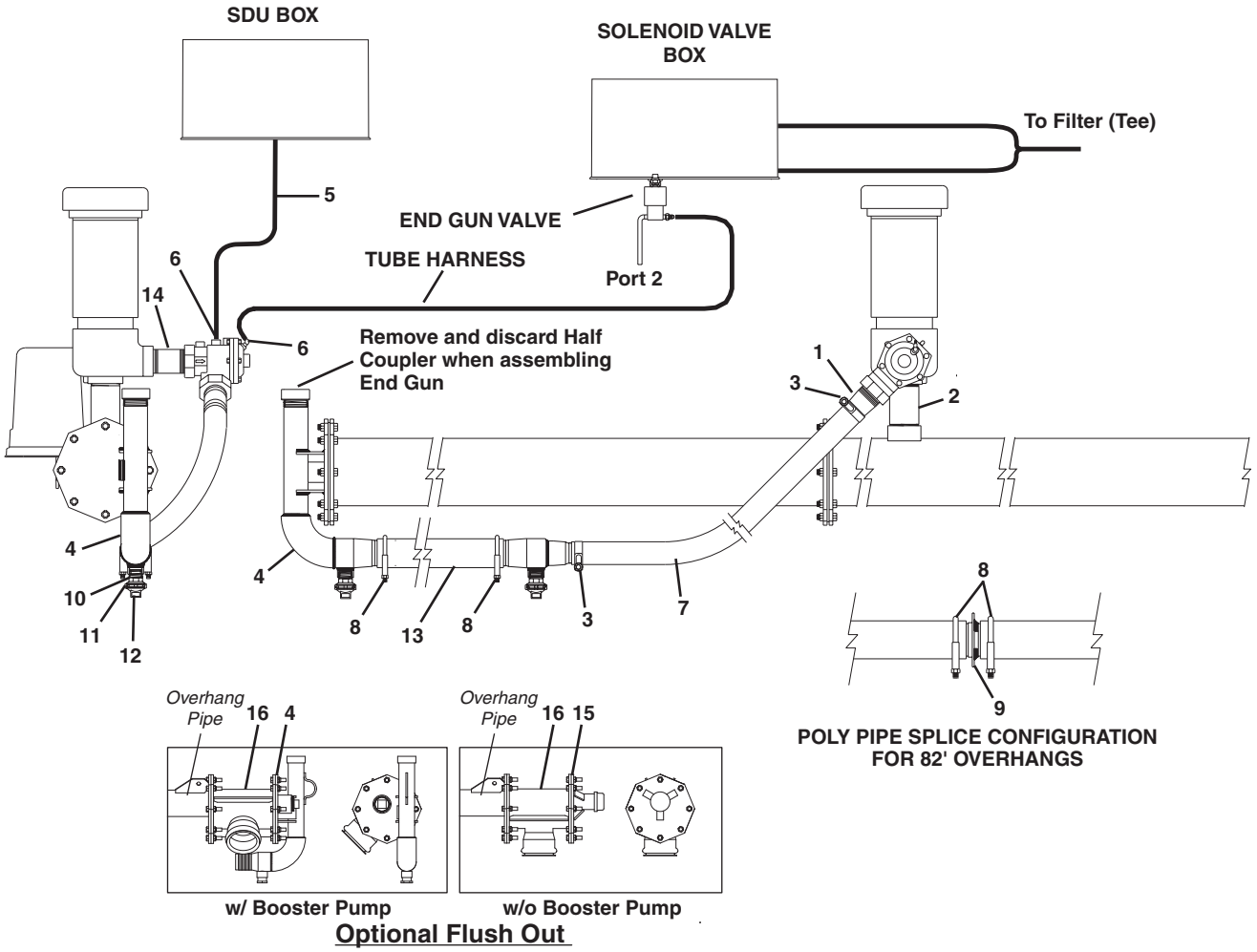




ITEM	DESCRIPTION	PART #
1	Cover Assembly	1703791
2	1/2" Rigid Conduit Nipple	0244037
3	1/4" x 3/4" Cap Screw	0161057
4	1/4" Hex Nut	0131020
5	Gasket	0992081
6	Bottom Plate	1702070
7	Snaptrack	0991587
8	P.C.B. Solenoid Fuse Panel	0315825
9	1/2 Amp Fuse	0315180
10	Ground Lug	0315120
11	90° Tube Connector	0232361
12	Solenoid Valve	0232450
	Solenoid Valve Coil	0232451

ITEM	DESCRIPTION	PART #
13	Straight Connector	0232362
14	1/2" Bushed Elbow	0241057
15	Solenoid Box Stand	N/A
16	3/4" x 3/4" x 3/4" Tee	0242053
17	Nylon Tubing	1704093
18	1/4" Plug	0246104
19	Manifold	N/A
20	3/4" Romax Lock Nut	0315132
21	3/4" x 3/4" PVC Coupler	0245050
22	3/4" x 90° Street Elbow	0241075
23	3/4" Drain Filter	0318170

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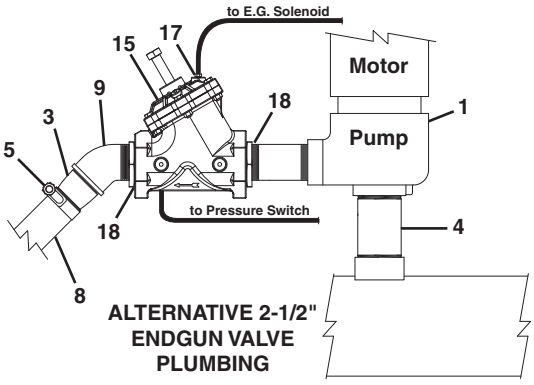


Optional Flush Out

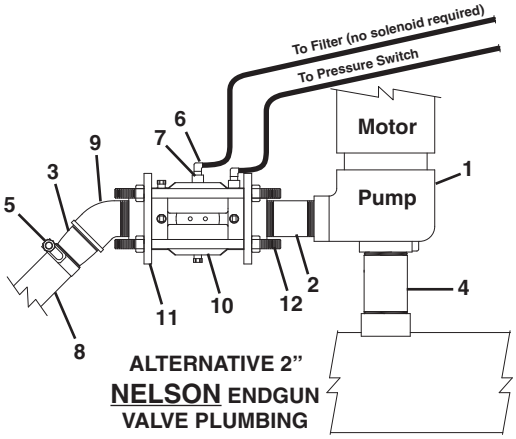
ITEM	DESCRIPTION	PART#
1	2" Hose Insert	0271035
2	2-1/2" x 6" Nipple	0211156
3	Hose Clamp - 2.69" max / 2.38" min	0271085
4	Overhang Endplate Assembly	9360136
5	1/4" Tube - 0.304" O.D. x 12' Long	1701789
6	Elbow Tube Insert	0232361
7	2" x 36" Reinforced Hose	0272034
8	2-3/4" Muffler Clamp	0271059
9	2-1/2" Hose Splice	1702676
10	Upper Drain Body - Metal	0232023
11	Drain Seal	0232568
12	Lower Drain Body	0232004
13	2-1/2" I.D. x 43' Polypipe - 82' Overhang	0992752
14	2" x 4-1/2" Nipple	0211047
15	6-5/8" Endplate Assm.	1800036
16	6" Flush Out Stub Assm. w/ 4" Drain	9360312

Flush Out Install Kit (incl. cap screws(8) & lock nuts(8)) .KA02427

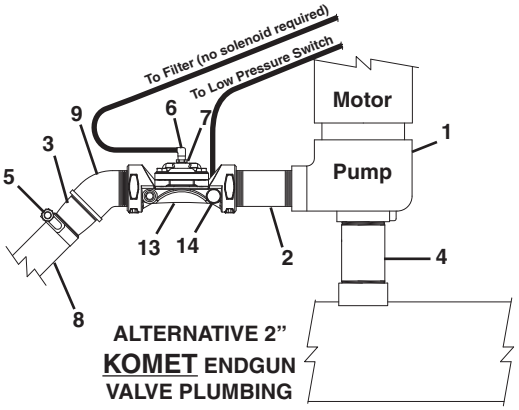
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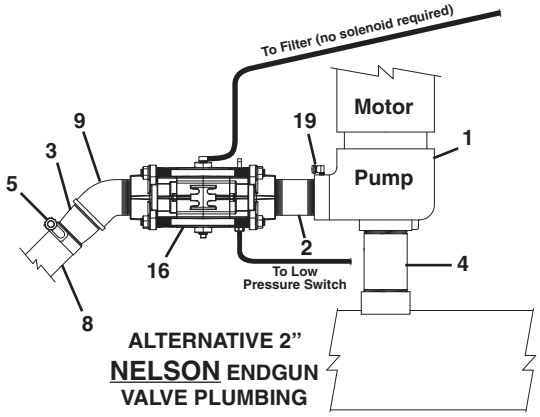
ALTERNATIVE 2-1/2"
ENDGUN VALVE
PLUMBING



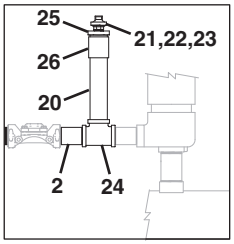
ALTERNATIVE 2"
NELSON ENDGUN
VALVE PLUMBING



ALTERNATIVE 2"
KOMET ENDGUN
VALVE PLUMBING



ALTERNATIVE 2"
NELSON ENDGUN
VALVE PLUMBING

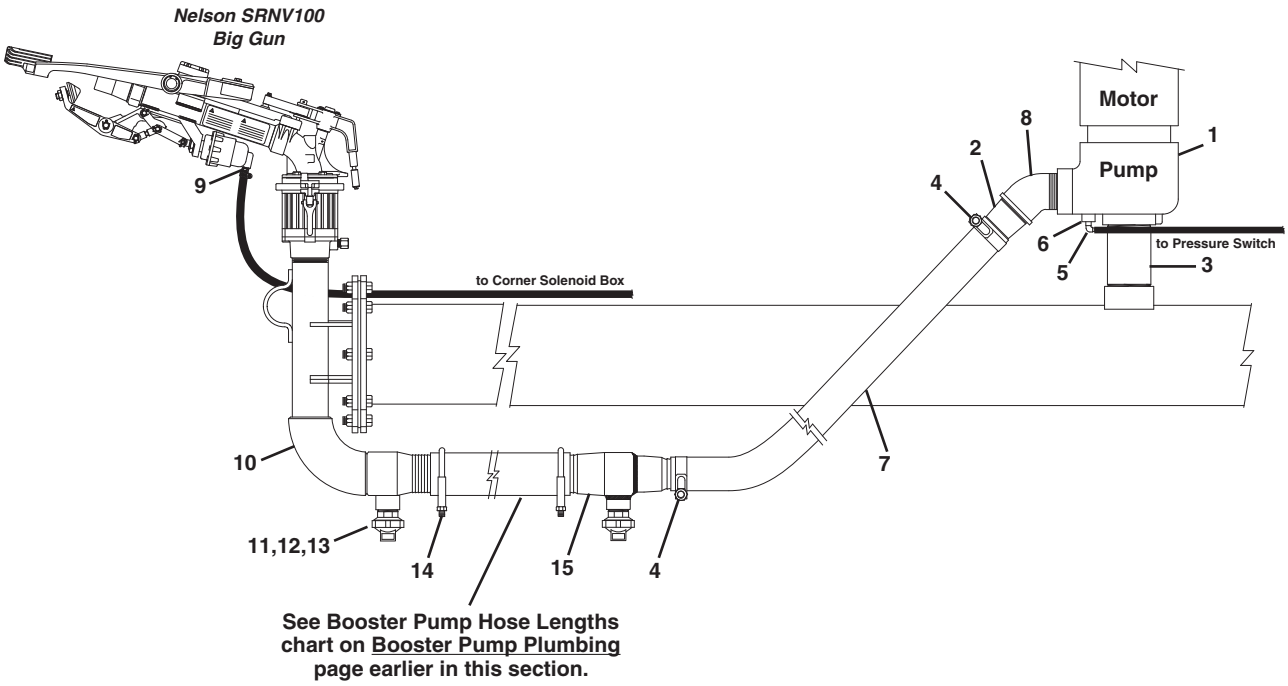


AIR RELIEF KIT
(For either Nelson or Komet Valve application

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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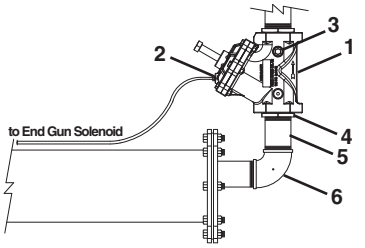
ITEM	DESCRIPTION	PART #
1	2 HP Booster Pump	0992806
	5 HP Booster Pump w/5" Impeller	0993417
	5 HP Booster Pump w/5-3/4" Impeller	0992898
	7.5 HP Booster Pump	0992884
2	2" Hose Insert	0271035
3	2-1/2" x 6" Nipple	0211156
4	Hose Clamp - 2.69” max / 2.38” min	0271085
5	Elbow Tube Insert	0232361
6	1/4" x 1/8" Bushing	0244024
7	2" x 36" Reinforced Water Hose	0272034
8	2" x 45° Street Elbow	0241053
9	MFL Connector - Tube to Male Pipe	0232362
10	Overhang Endplate w/ End Gun & Booster Pump	9360136
11	Upper Drain Body	0232023
12	Drain Seal	0232568
13	Lower Drain Body	0232004
14	2-3/4" Muffler Clamp	0271059
15	2" x 2-1/2" Hose Insert Splice Assm.	9360137

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2-1/2" END GUN VALVE

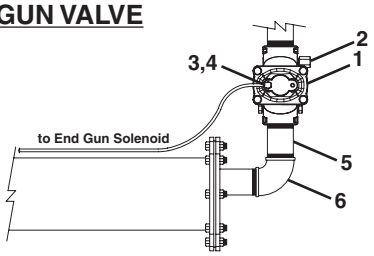
ITEM	DESCRIPTION	PART #	
1	2-1/2" Diaphragm End Gun Valve	0232323	*
2	MFL Connector - Tube to Male Pipe	0232362	*
3	Bleeder Plug	0232440	*
4	2-1/2" x 2" Reducer - Galvanized	0244021	
5	2" x 4" Nipple - Galvanized	0211047	
6	End Gun Elbow	1926125	
	Diaphragm & Seal Kit	0232297	
	Internal Parts Kit	0232298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

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



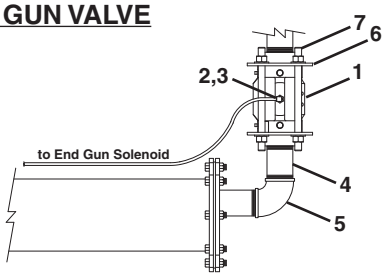
2" KOMET END GUN VALVE

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

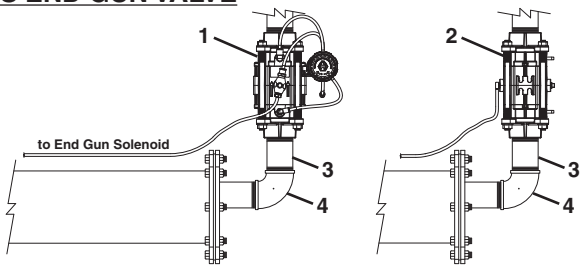
ITEM	DESCRIPTION	PART #	
1	2" Nelson End Gun Valve	0232504	*
2	Elbow Fitting - Tube to Male Pipe	0232361	
3	1/4" x 1/8" Reducer Bushing - Galvanized	0244024	
4	2" x 4" Nipple - Galvanized	0211047	
5	End Gun Elbow	1926125	
6	2" FNPT x ANSI Flange Adapter	0996405	*
7	Stud Kit - 1/2" x 8.25"	0980217	*
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

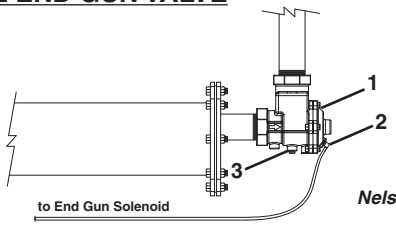
***NOTE: Ball / Drain Vent (0232566) included with End Gun Valves.**



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	

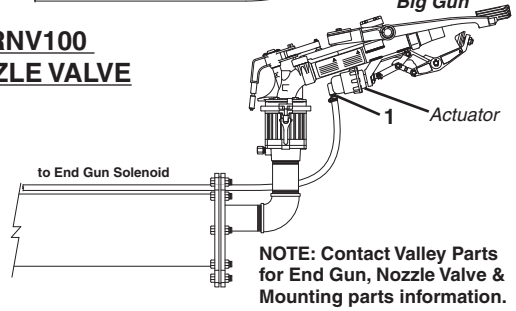
***NOTE: Items included with End Gun Valve 0232480.**



NELSON SRNV100 END GUN NOZZLE VALVE

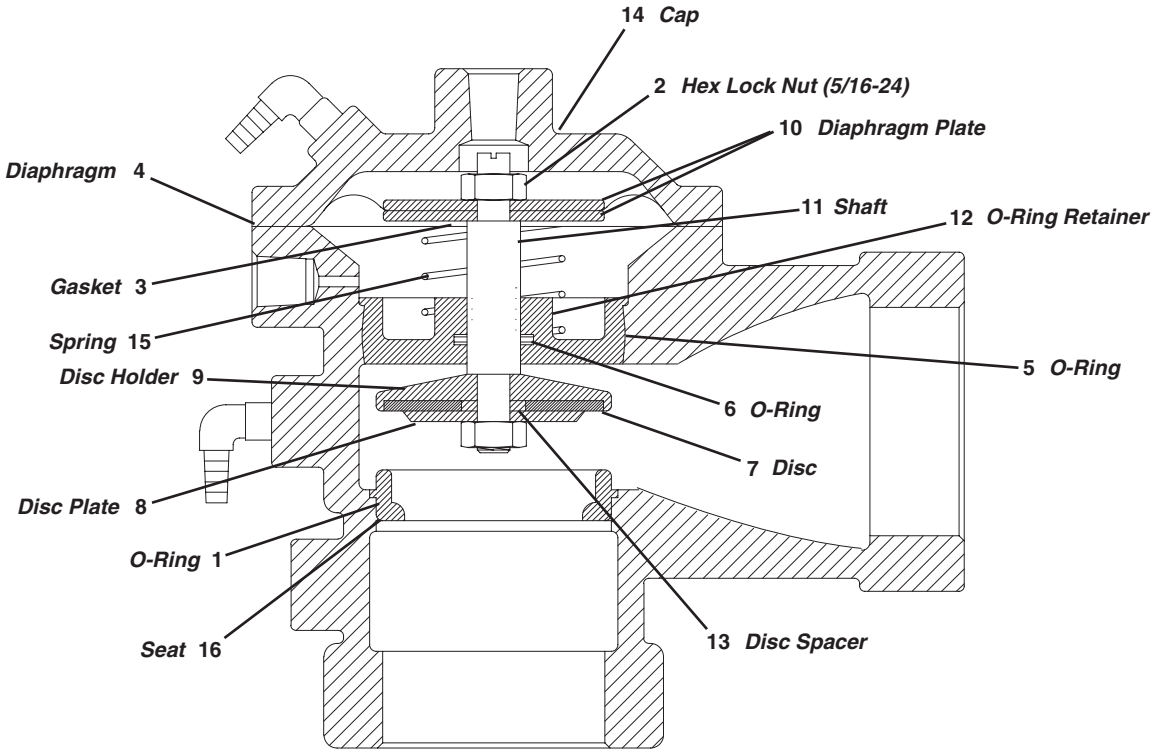
ITEM	DESCRIPTION	PART #
1	MFL Connector - Tube to Male Pipe	0232362

Nelson SRNV100 Big Gun



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

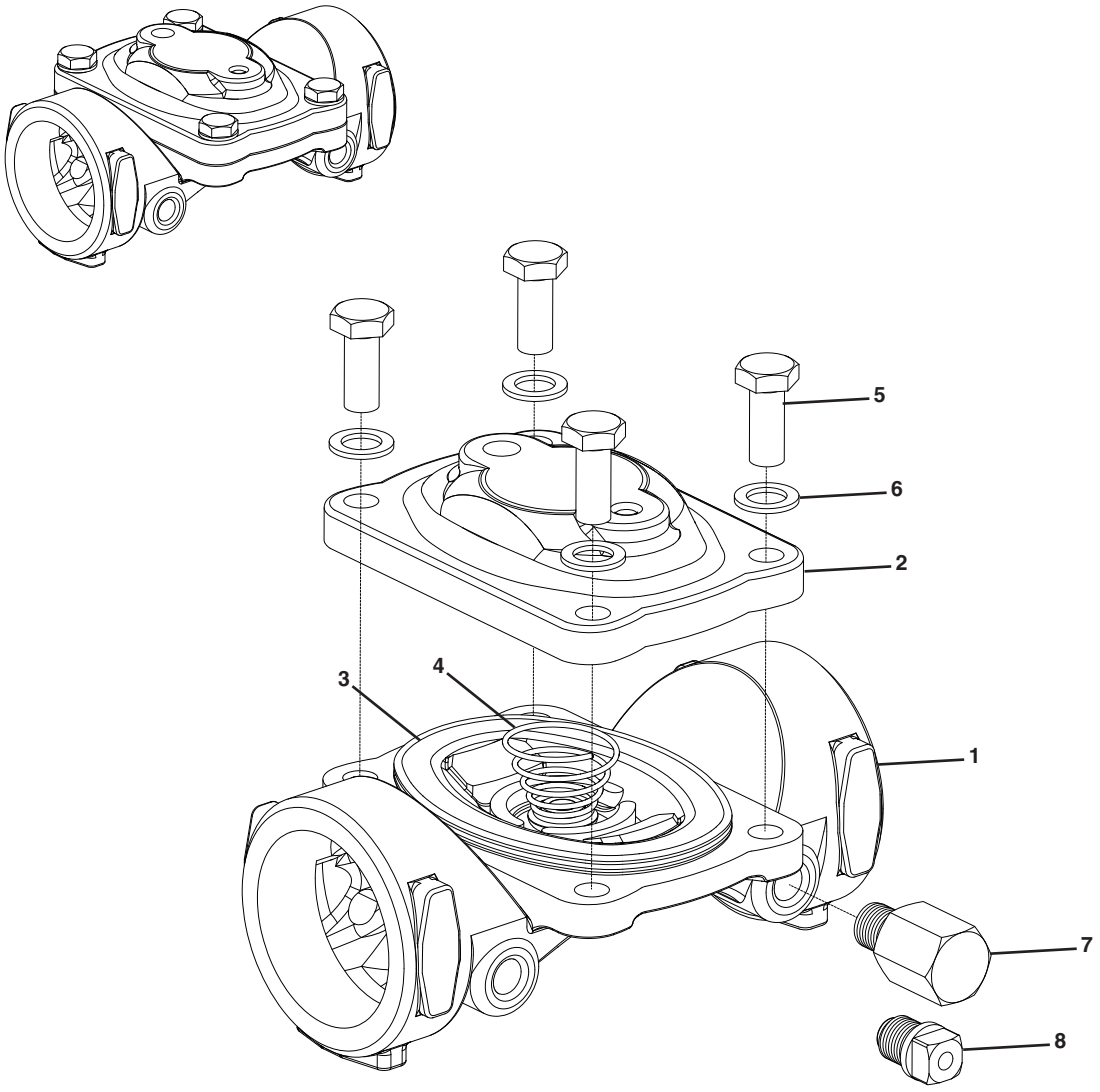
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DESCRIPTION	REFERENCE	VALMONT#
Diaphragm and Seals Kit Consists of Item nos. 1, 2, 3, 4, 5, 6 & 7	425-RA (Includes 425-FB)	0232488
Internal Parts Kit Normally Open Model Consists of Standard Item nos. 8, 8, 10, 11, 12 & 13	425-RF	0232489
14 - Top Cap	425-CJ	0232491
15 - Spring	495-SV	0232397
16 - Seat	425-MO	0232391

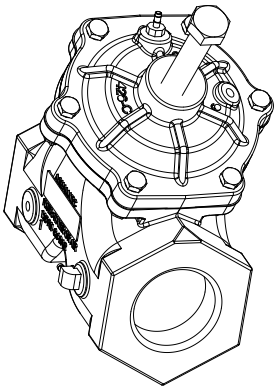
COMPLETE Valve..... 0232480

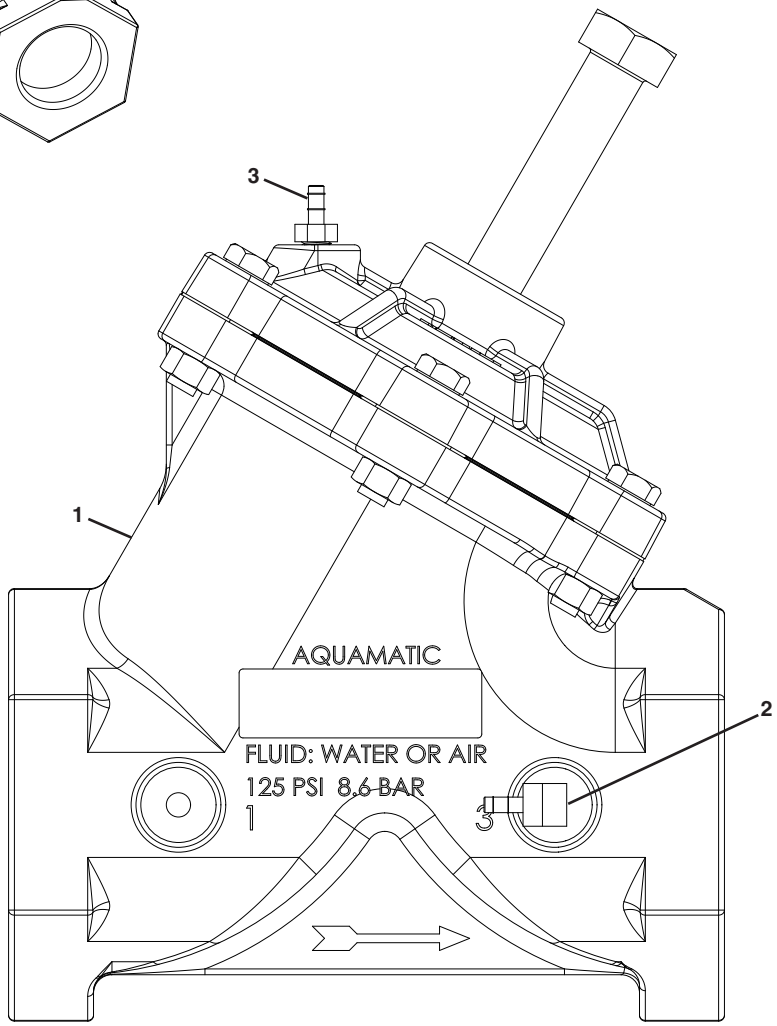
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ITEM	DESCRIPTION	PART #
1	Valve Body (svc part ONLY)	0232560
2	Valve Cover (svc part ONLY)	0232561
3	Valve Diaphragm (svc part ONLY)	0232562
4	Valve Spring (svc part ONLY)	0232563
5	Valve Cover Bolt (svc part ONLY)	0232564
6	Valve Cover Washer	0232565
7	Automatic Drain Valve	0232558*
8	Standard Drain Plug w/Hole	0232559*
	2" Komet End Gun Valve	0232557*
	*Komet 2" End Gun Valve Kit	KA09903

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ITEM	DESCRIPTION	PART #
1	2-1/2" Diaphragm End Gun Valve	0232323
2	Elbow Fitting - Tube to Male Pipe	0232440 *
3	MFL Connector - Tube to Male Pipe	0232362 *
	Diaphragm & Seal Kit	0232297
	Internal Parts Kit	0232298

*** NOTE: Items included with End Gun Valve 0232323.**
Bleeder Plug (0232440) also included.

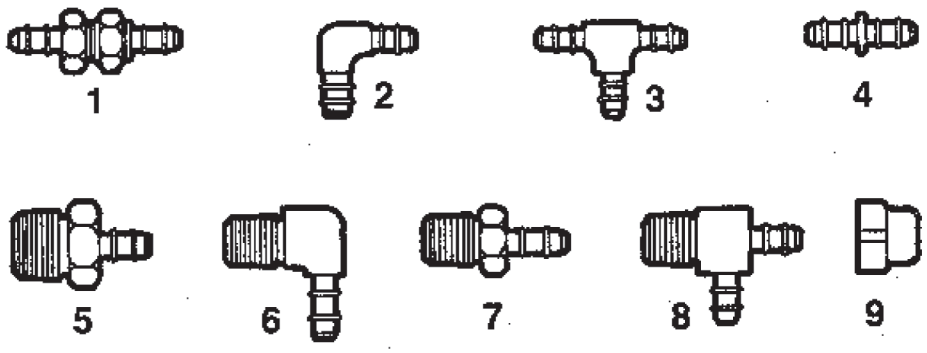
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CORNER SYSTEM TUBING HARNESSES

DESCRIPTION	PART #	
185' Span 17' Spacing	270009	Prior June, 1981
185' Span 8.5' Spacing	270014	
170' Span 17' Spacing	270015	
170' Span 8.5' Spacing	270016	

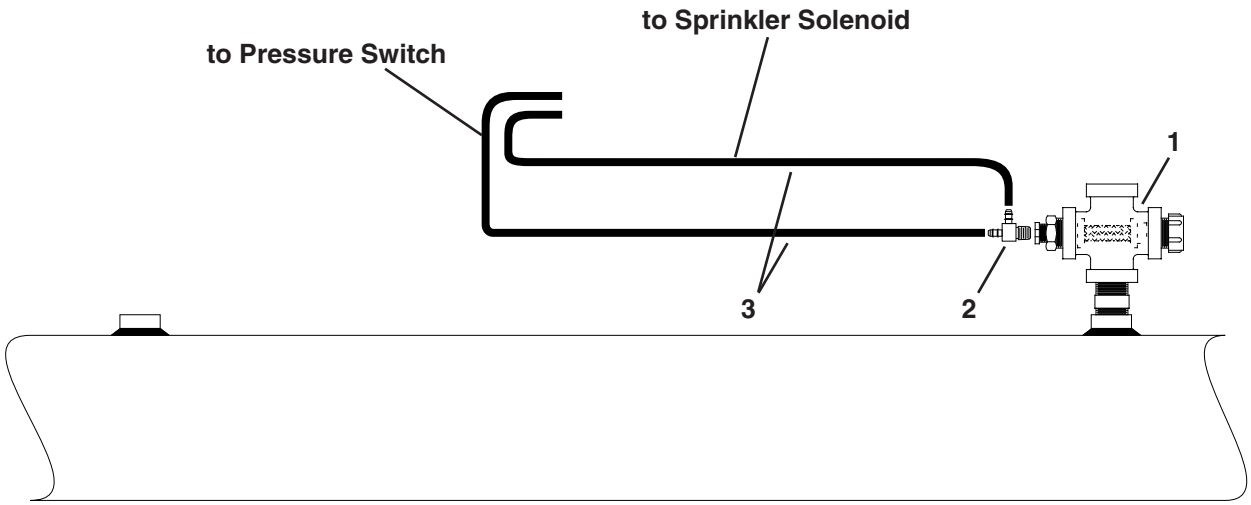
170' Span Uniform 17' Spacing	270024
170' Span Uniform 8.5' Spacing	270023
185' Span Uniform 17' Spacing	270026
185' Span Uniform 8.5' Spacing	270025
Tubing Harness Clip (Not Shown)	1750679

TUBING CONNECTORS



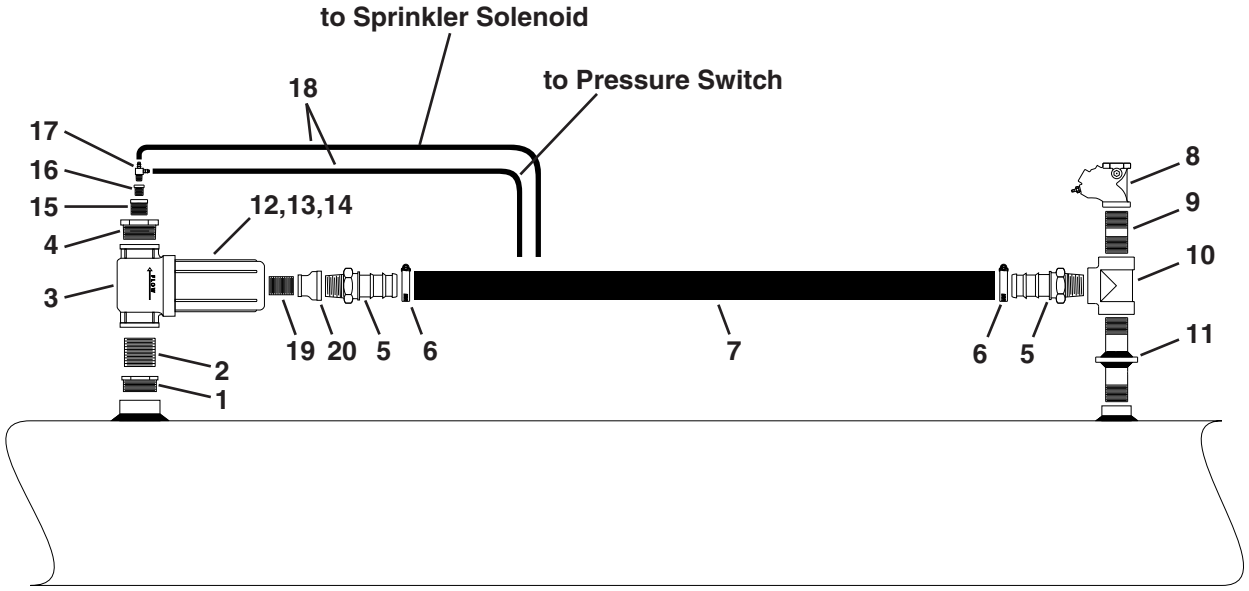
ITEM	DESCRIPTION	PART #
1	Bulkhead Union - 1/4" Tube	0232369
2	1/4" 90° Elbow	0270003
3	1/4" Union Tee	0270002
4	1/4" Tube Union	0232365
5	1/4" NPT x 1/4" Tube Connector	0232366
6	1/8" NPT x 1/4" Tube 90° Elbow	0232361
7	1/8" NPT x 1/4" Tube Connector	0232362
8	1/8" NPT x 1/4" x 1/4" Tube Tee	0232367
9	1/8" Brass Cap	0246098

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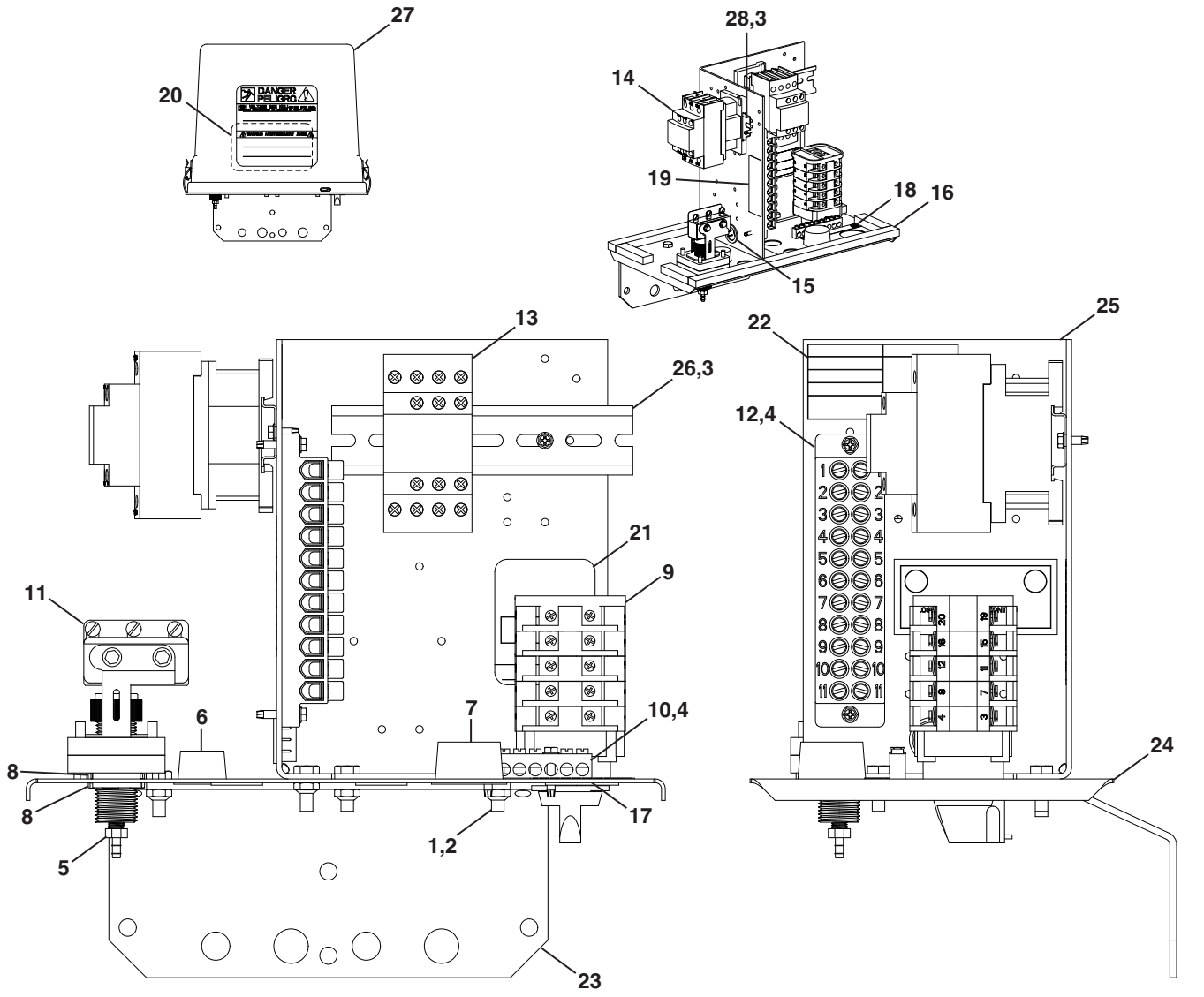
ITEM	DESCRIPTION	PART #
1	3/4" Filter Cross Assembly	9360897
	3/4" x 2" Nipple	0211014
	3/4" Cross	0242048
	1/4" x 1/8" Reducer	0244024
	3/4" x 1/4" Reducer	0244046
	3/4" Plastic Plug	0246193
	3/4" Filter Element	0311020
2	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
3	1/4" Tubing - 20'	1720561

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ITEM	DESCRIPTION	PART #
1	2" x 1-1/2" Bushing	0244030
2	1-1/2" Close Nipple	0211078
3	Filter Assembly	0311013
	Gasket (incl. w/ Filter Assm.)	0221026
4	1-1/2" x 3/4" Bushing - Steel	0244036
	1-1/2" x 3/4" Bushing - Plastic	0244044
5	1" Hose Insert	0271043
6	1" Hose Clamp	0271012
7	1" x 5' Hose	1750795
8	Control Valve	0232483
9	3/4" x 2" Nipple	0211014
10	3/4" Tee	0242002
11	3/4" Plugged Nipple	9361938
12	Cannister	0311015
13	Filter Screen	0311014
14	Bottom Fitting	1750640
15	3/4" x 1/4" Reducer - Steel	0244025
	3/4" x 1/4" Reducer - Plastic	0244046
16	1/4" x 1/8" Reducer - Steel	0244024
17	1/8" NPT x 1/4" x 1/4" Tube Fitting	0232367
18	1/4" Tubing - 20'	1720561
19	1/2" x 1-1/8" Nipple	0211021
20	1/2" x 3/4" Bell Reducer	0243002
	COMPLETE Filter Package for Mechanical Corner	KA09596

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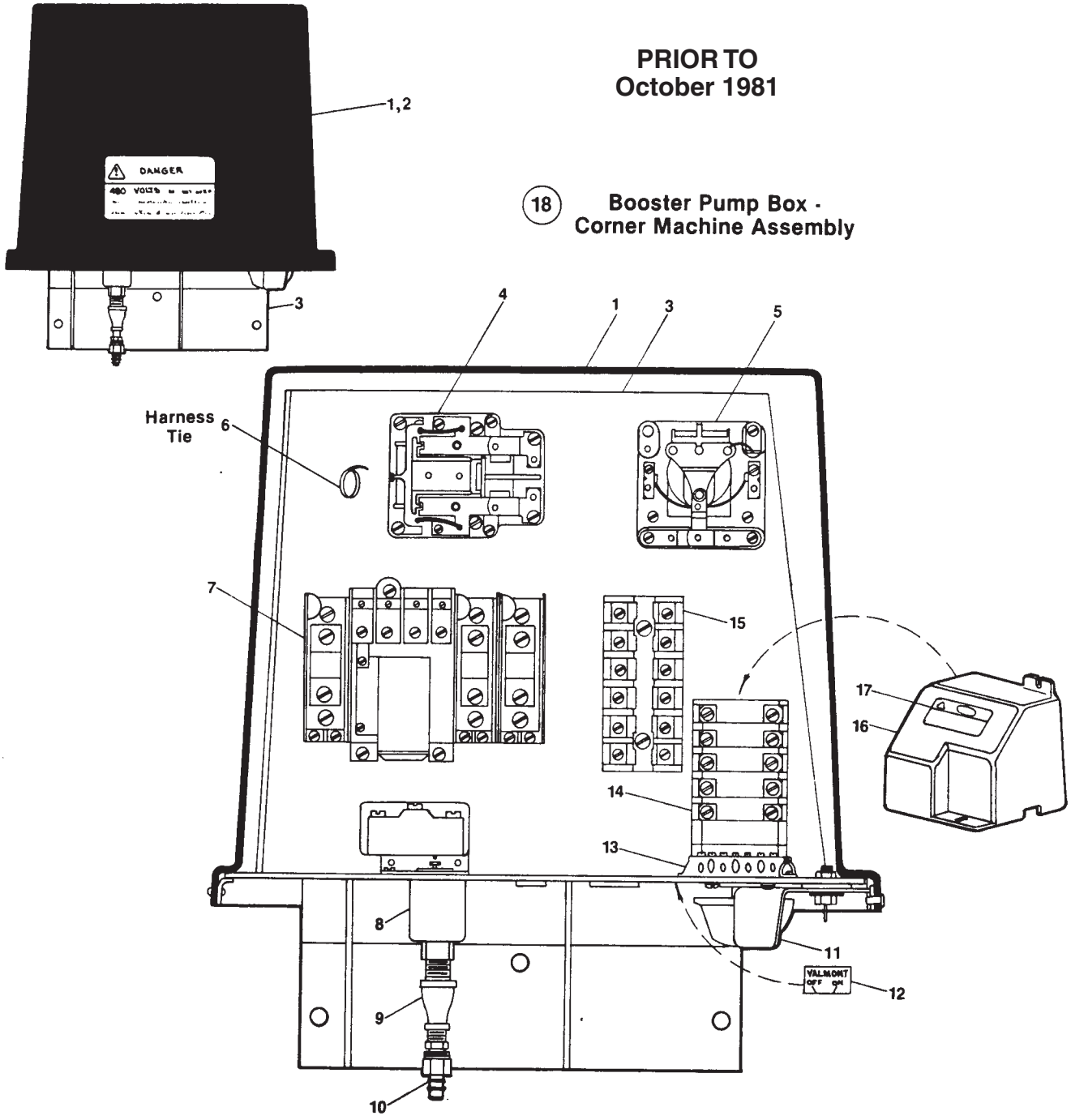


ITEM	DESCRIPTION	PART #
1	1/4" Lock Nut	0133008
2	1/4" x 3/4" Cap Screw	0161057
3	#8 x 1/2" Self-Tapping Screw - Phillips Head	0161355
4	#8 x 7/8" Self-Tapping Screw - Phillips Head	0161356
5	MFL Connector - Tube to Male Pipe	0232362
6	12 Caplug	0261008
7	15X Caplug	0261010
8	1/2" Romax Nut	0314160
9	Power Disconnect - 10 Pole	0314540
10	Ground Lug - 7 Terminal	0315120
11	Pressure Switch - E1S-H15-Q52 Barks	0315994
12	Terminal Block - 11 Terminal - 600V	03E1899
13	4 Pole Contactor - 40 Amp 120V	03E3542
14	3 Pole Contactor - 25A 120V (Boxed)	03E3785
15	Snap Bushing	0992070

ITEM	DESCRIPTION	PART #
16	Gasket Kit	0992071
17	Decal - Disconnect	0992090
18	Decal - Ground	0992925
19	Decal - 3R Enclosure Decal	0996403
20	Decal - Electrical Schematic	0997150
21	Decal - Electrical Specifications	0997164
22	Decal - Terminal Block Torque Copper Wire	0998450
23	Tower Box Mounting Plate	1702054
24	Bottom Plate	1702391
25	Booster Pump Control Plate	1702392
26	Din Rail Mount Channel - 6.00" Long	9310608
27	Electrical Tower Box Cover - UL	9311146
28	Din Rail Mount Channel - 4.25" Long	9312350
	Booster Pump Assm. - Corner Machine	1811600

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PRIOR TO
October 1981



18 Booster Pump Box - Corner Machine Assembly

ITEM	DESCRIPTION	PART #
1	Electrical Box Cover	1701417
2	Decal (Danger)	0991261
3	Booster Pump Box	N/A
4	Relay 120V - AC	0314727
5	Relay - 25 Amp (115V - AC)	0314480
6	Harness Tie	0314225
7	Starter - 120V (see Page 5-34)	03E0486
8	Pressure Switch	0315994
9	1/4" x 1/8" Bell Reducer	0243007
10	Connector	0232362
11	Cam Tower Box Latch	1701244
12	Decal (Disconnect)	N/A
13	Grounding Lug	0314682
14	Disconnect	0314540
15	Terminal Block	0314129
16	Shield (Disconnect)	1701612
17	Decal (Danger)	0991291
18	Booster Pump Box - Corner (Comp.)	N/A

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