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WLH 02/27/18

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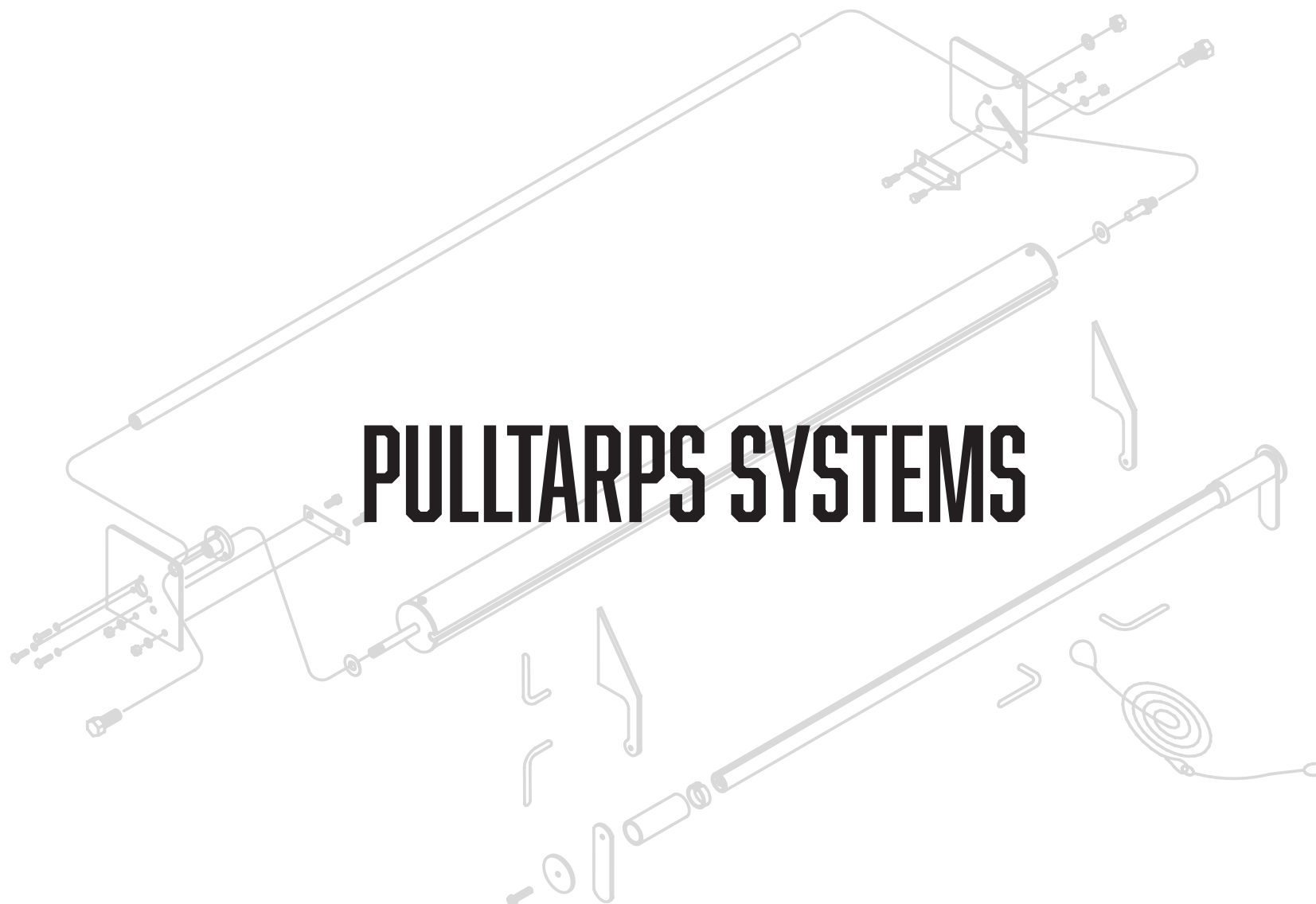
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Pulltarps Systems



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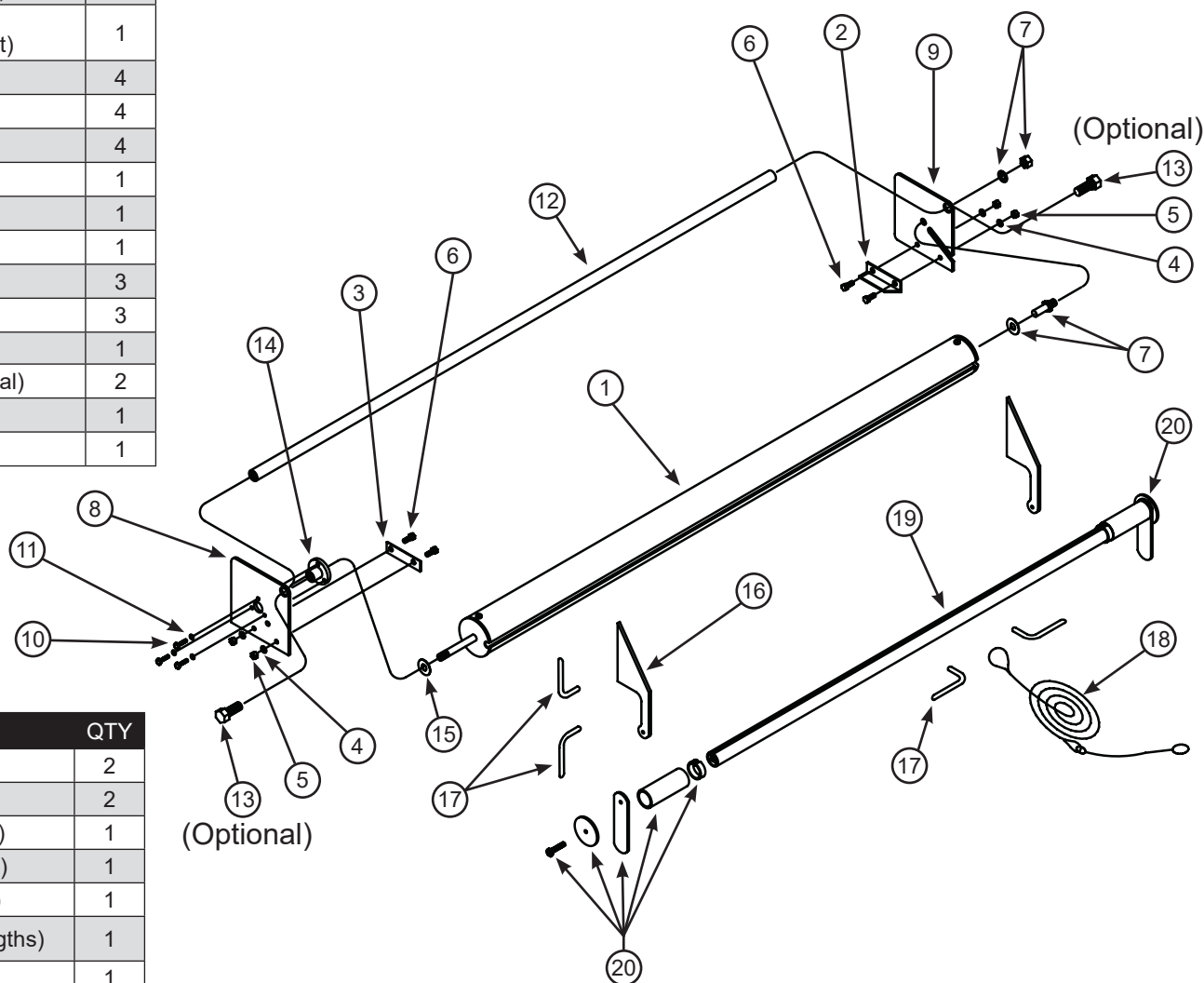
ITEM	PART #	DESCRIPTION	QTY
1	501-13XX	Roller Tube Assy 80,84,87,89,93,96,100"	1
2	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum - Left)	1
3	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum - Right)	1
4	505-2502	1/4" Flat Washer USS	4
5	504-3103	5/16"-18 Nyloc Nut	4
6	503-3104	5/16"-18 x 3/4"lg. Carriage Bolt	4
7	501-0632	System End Plate Stud Kit	1
8	501-0203	6" Open End Plate, (Drvr.)	1
9	501-0204	6" Open End Plate, (Pass.)	1
10	503-2503	1/4" - 20 x 1 1/2"lg. HHCS Bolt	3
11	505-2503	1/4" Lock Washer	3
12	501-980X	Spacer Rod 7/8" (Optional)	1
13	503-7501	3/4" - 10 x 1"lg. HHCS Bolt (Optional)	2
14	501-0804	Steel Spring Shaft Anchor	1
15	505-5002	Nylon Washer	1

REV. 10/12/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
16	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
17	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
18	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
19	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
20	501-0612	Pullrod Hardware Kit	1

6" Open System #101-0215 (Widths of 80, 84, 87, 89, 93, 96, 100")





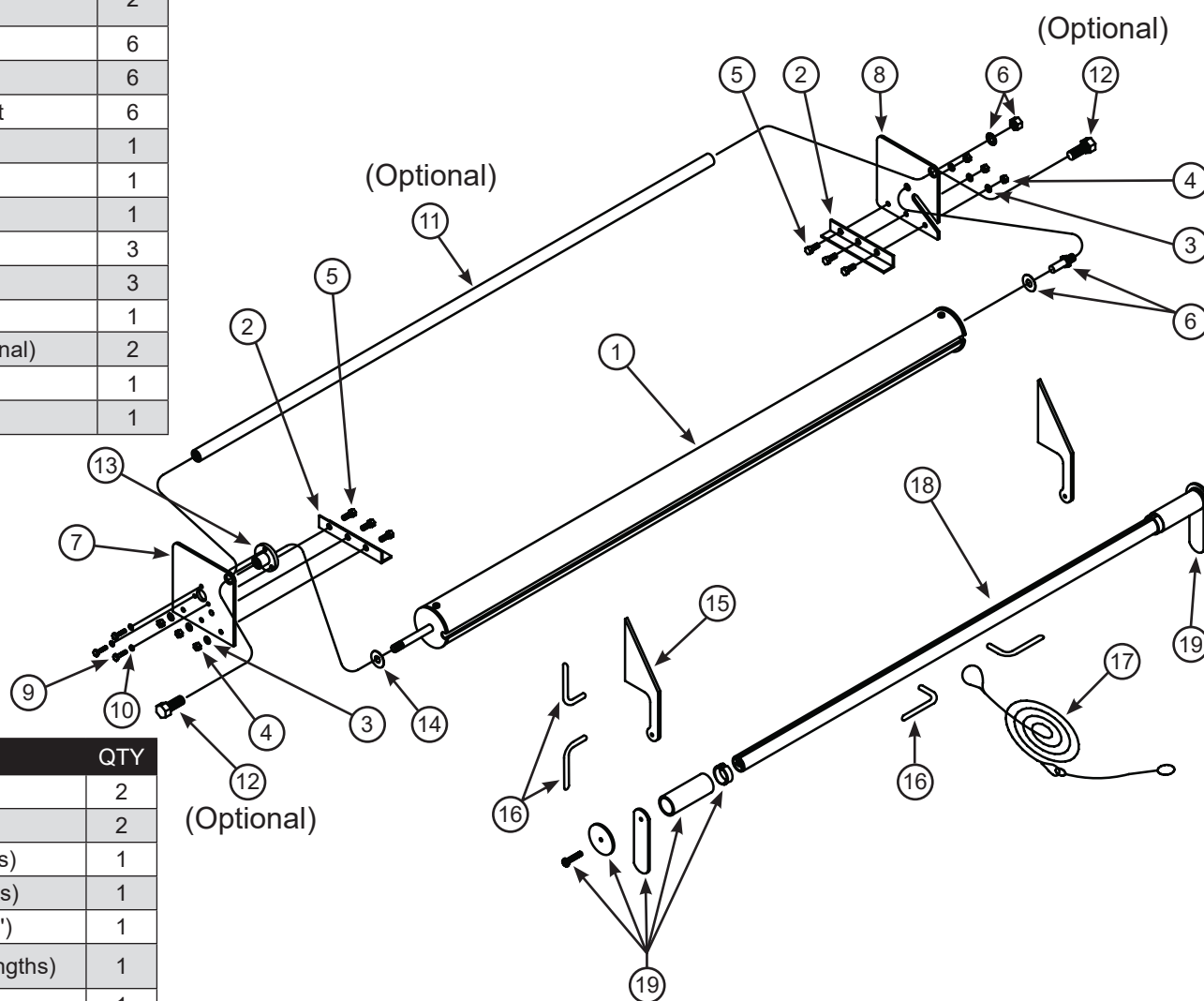
9" Open System #105-0215

(Widths of 80, 84, 87, 89, 93, 96, 100")

REV. 10/12/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
15	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
16	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
17	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
18	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
19	501-0612	Pullrod Hardware Kit	1





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Pulltarps Systems

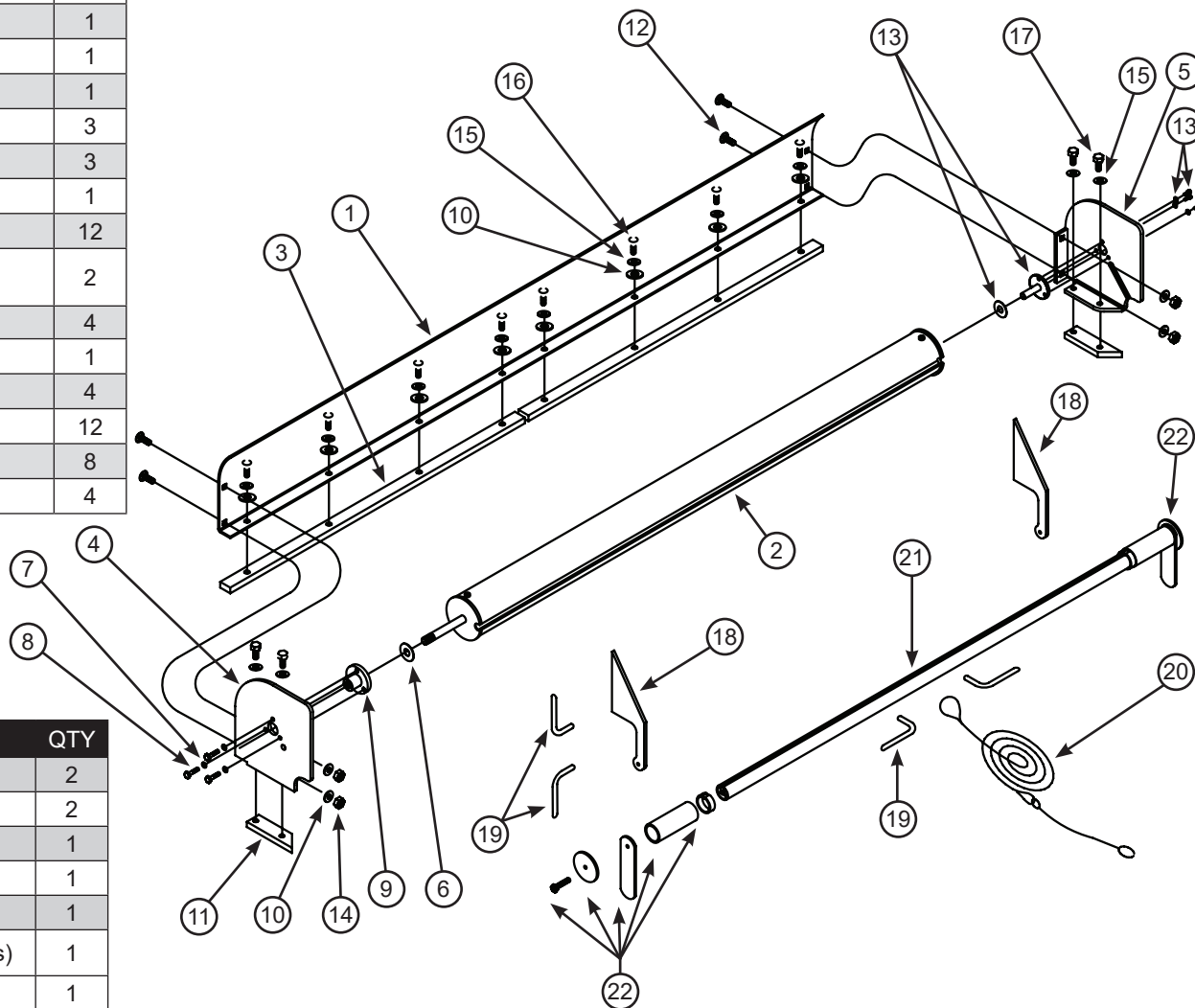
ITEM	PART #	DESCRIPTION	QTY
1	501-10XX	Alum. Wind Guard 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Alum. Roller Tube Assy 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar-Steel 40, 42, 43.5, 44.5, 46.5, 48, 50"	2
4	501-0207	7.5" Aluminum End Plate (Drvr.)	1
5	501-0208	7.5" Aluminum End Plate (Pass.)	1
6	505-5002	Nylon Washer	1
7	505-2503	1/4" Lock Washer	3
8	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
9	501-0804	Steel Spring Shaft Anchor	1
10	505-2502	1/4" Flat Washer USS	12
11	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
12	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
13	501-0805	Universal Bolt In Stud Kit	1
14	504-3103	5/16" - 18 Nyloc Nut	4
15	505-3102	5/16" Lock Washer	12
16	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
17	503-3102	5/16" - 18 x 1"lg. HHCS Bolt	4

REV. 12/13/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
18	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
19	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
20	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
21	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
22	501-0612	Pullrod Hardware Kit	1

7" Open System #103-0215 (Widths of 80, 84, 87, 89, 93, 96, 100")



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Pulltarps Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-010X	Galv. Steel Protector Housing 80, 84, 87, 89, 93, 96, 100"	1
2	501-130X	Roller Assembly 80, 84, 87, 89, 93, 96, 100"	1
3	501-0138	48" x 5-1/2" Galv. Insert	1
4	501-152X	System Mount Bracket (Specify Steel or Aluminum - Left)	1
5	501-152X	System Mount Bracket (Specify Steel or Aluminum - Right)	1
6	501-0254	Passenger Side Plate for "N" System	1
7	501-0253	Driver Side Plate for "N" System	1
8	501-0633	Universal Bolt in Stud Kit	1
9	501-0804	Steel Spring Shaft Anchor	1
10	505-5002	Nylon Washer	1
11	503-2505	1/4" - 20 x 3/4"lg. Carriage Bolt	8
12	505-2502	1/4" Flat Washer USS	24
13	504-2506	1/4" - 20 Nyloc Nut (Thin)	12
14	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
15	504-3103	5/16" - 18 Nyloc Nut	4
16	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
17	505-2503	1/4" Lock Washer	3
18	504-2503	1/4" - 20 Nyloc Nut	8
19	503-2501	1/4" - 20 x 1/2"lg. Carriage Bolt	12
20	501-06XX	Steel Protector System Hardware (Specify Steel or Aluminum)	1

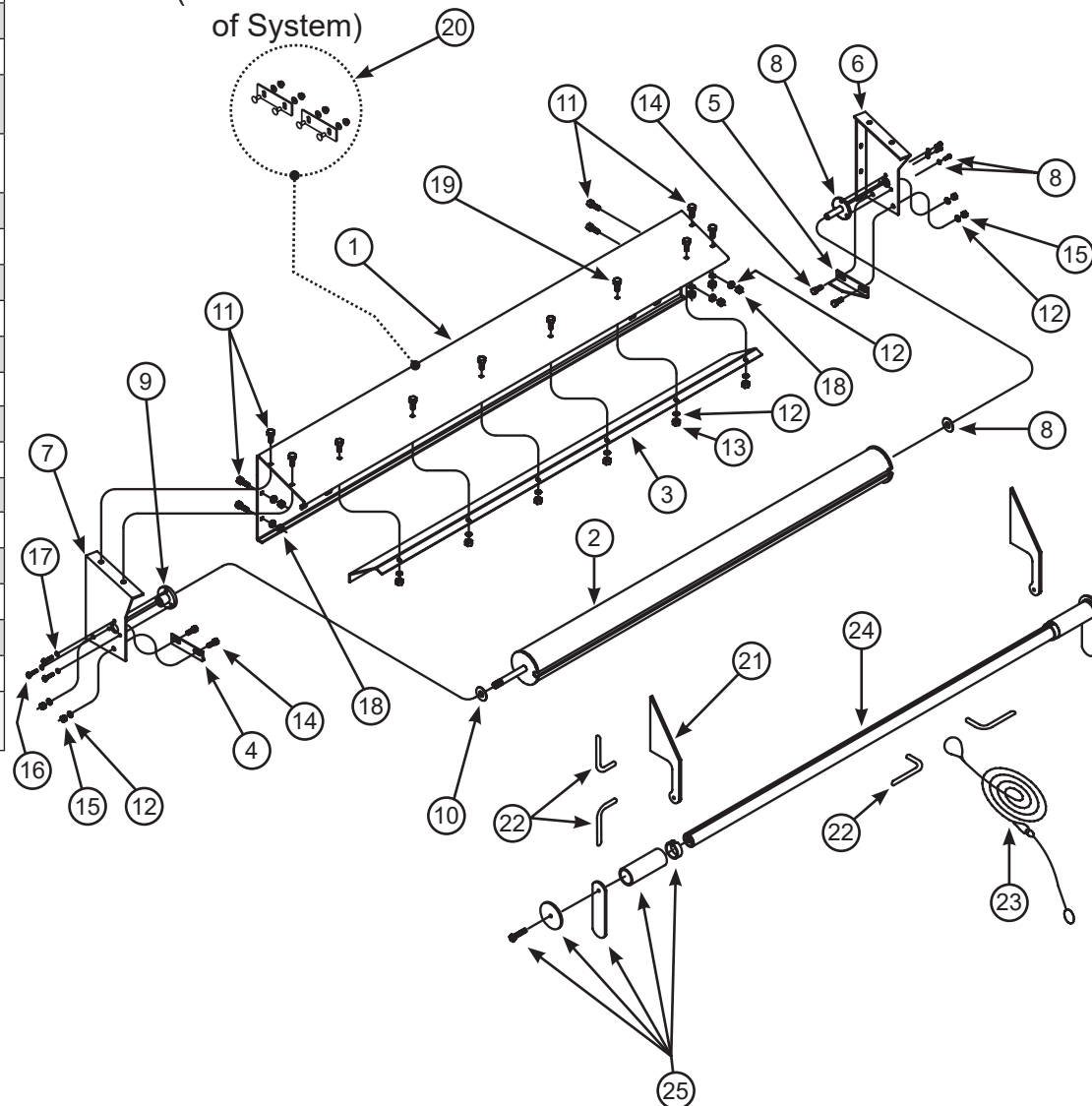
Pullrod Hardware

REV. 11/15/16 WLH

ITEM	PART #	DESCRIPTION	QTY
21	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
22	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
23	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
24	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
25	501-0612	Pullrod Hardware Kit	1

Housing Assembly for Steel Protector #106-0215

(Mounts to back of System)





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Pulltarps Systems

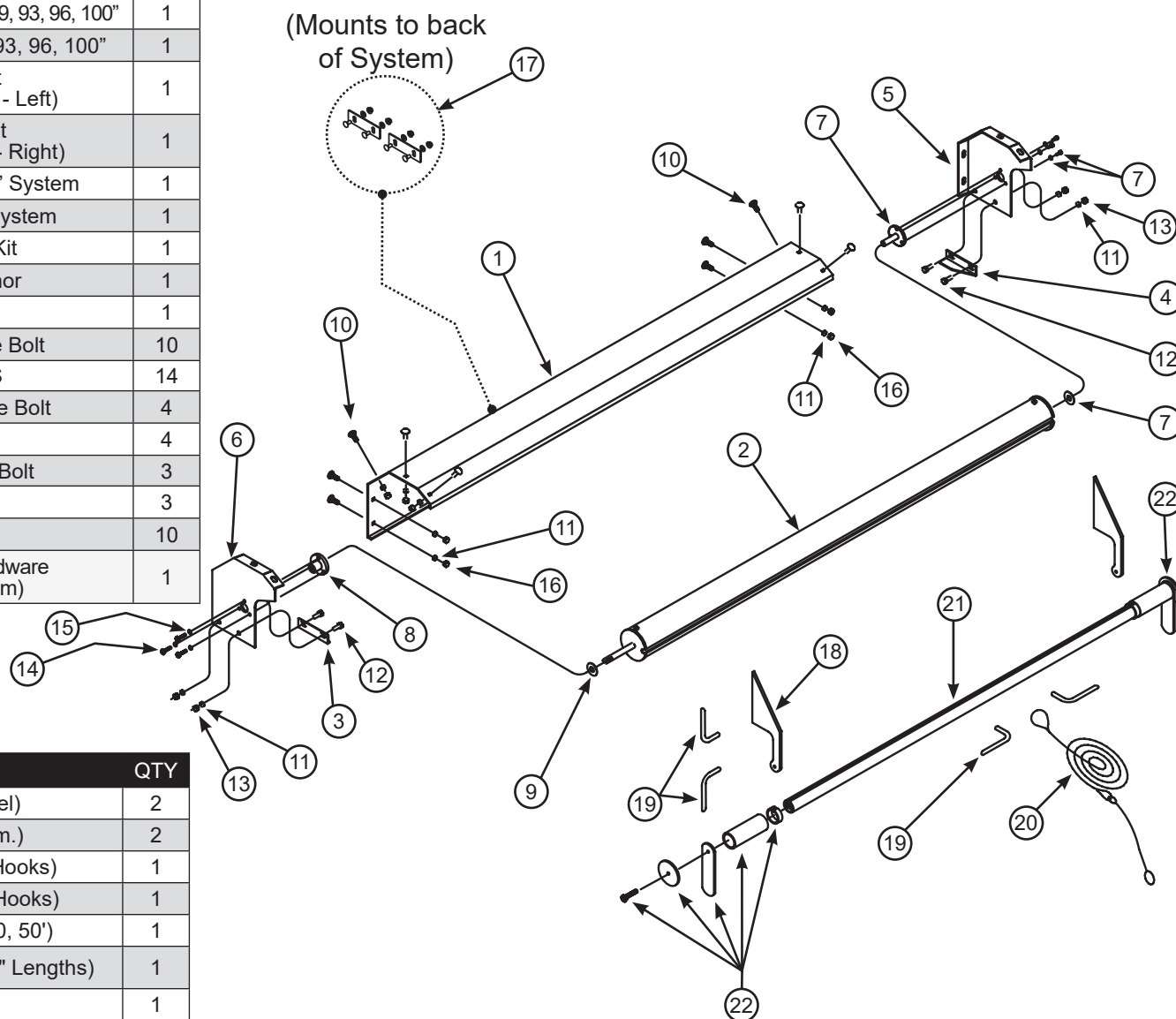
ITEM	PART #	DESCRIPTION	QTY
1	501-014X	Gal. Steel Protector Hsg. 80, 84, 87, 89, 93, 96, 100"	1
2	501-130X	Roller Assembly 80, 84, 87, 89, 93, 96, 100"	1
3	501-152X	System Mount Bracket (Specify Steel or Aluminum - Left)	1
4	501-152X	System Mount Bracket (Specify Steel or Aluminum - Right)	1
5	501-0240	Passenger Side Plate for "N+" System	1
6	501-0239	Driver Side Plate for "N+" System	1
7	501-0633	Universal Bolt In Stud Kit	1
8	501-0804	Steel Spring Shaft Anchor	1
9	505-5002	Nylon Washer	1
10	503-2505	1/4" - 20 x 3/4"lg. Carriage Bolt	10
11	505-2502	1/4" Flat Washer USS	14
12	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
13	504-3103	5/16" - 18 Nyloc Nut	4
14	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
15	505-2503	1/4" Lock Washer	3
16	504-2503	1/4" - 20 Nyloc Nut	10
17	501-06XX	Steel Protector System Hardware (Specify Steel or Aluminum)	1

REV. 11/15/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
18	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
19	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
20	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
21	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
22	501-0612	Pullrod Hardware Kit	1

Housing Assembly for Steel Protector Plus #114-0215



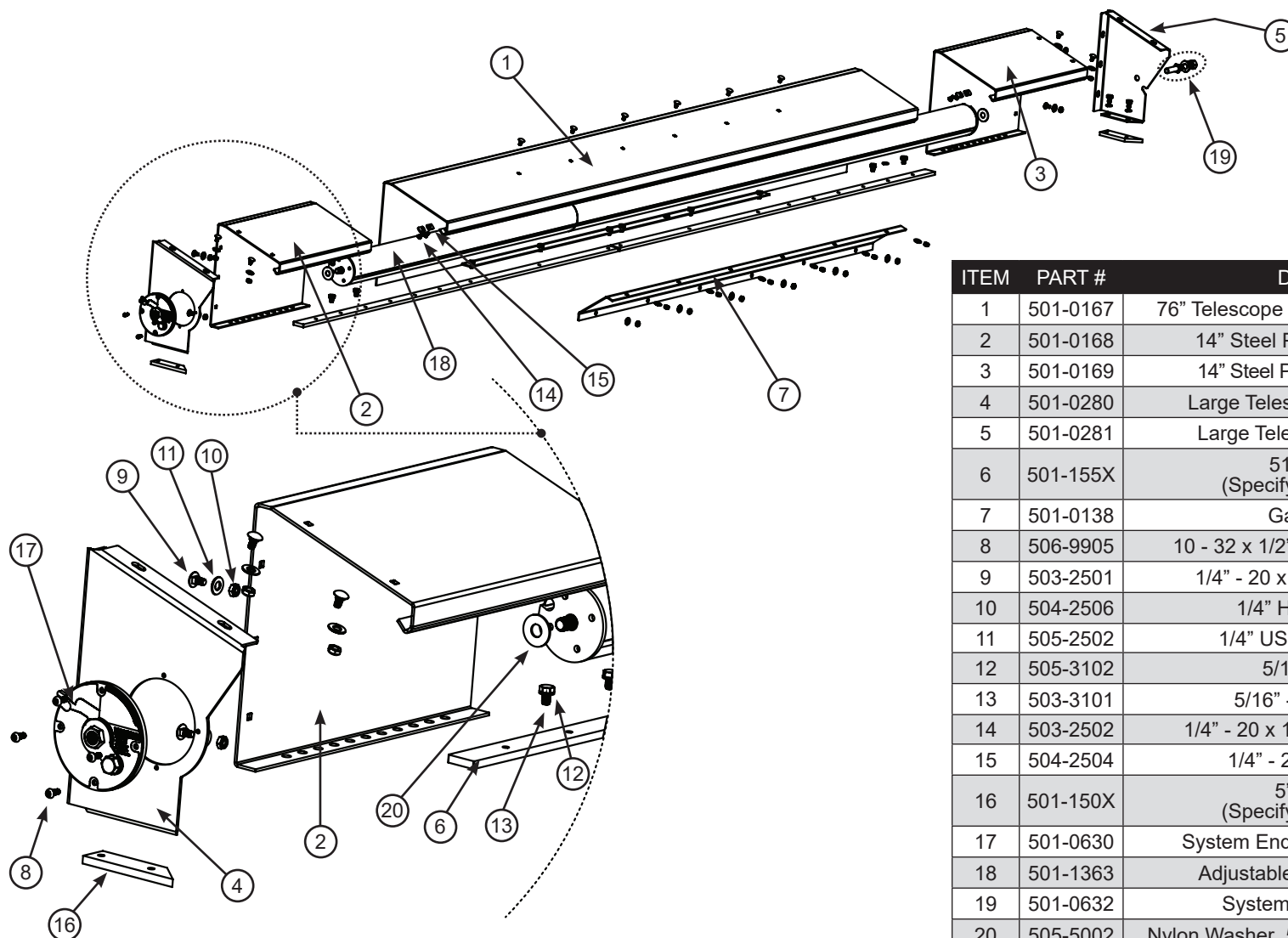
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Pulltarps Systems

X-Pando Adjustable Steel Protector #116-3027, 116-3017



ITEM	PART #	DESCRIPTION	QTY
1	501-0167	76" Telescope Steel Protector Center Hsg.	1
2	501-0168	14" Steel Protector Adj. End (Left)	1
3	501-0169	14" Steel Protector Adj. End (Right)	1
4	501-0280	Large Telescope Ratchet End Plate	1
5	501-0281	Large Telescope End Plate Pass.	1
6	501-155X	51" Mounting Bar (Specify Steel or Aluminum)	2
7	501-0138	Galvanized Insert	1
8	506-9905	10 - 32 x 1/2" Phillips Pan Head Screw	4
9	503-2501	1/4" - 20 x 1/2" USS Carriage Bolt	22
10	504-2506	1/4" Hex Lock Nut "Thin"	22
11	505-2502	1/4" USS Washer 5/16" Hole	22
12	505-3102	5/16" Lock Washer	14
13	503-3101	5/16" - 18 x 1/2" Hex Bolt	14
14	503-2502	1/4" - 20 x 1/2" SS Button HD Screw	4
15	504-2504	1/4" - 20 Weld Nut - Single	4
16	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
17	501-0630	System End Plate Ratchet Assembly	1
18	501-1363	Adjustable Roller Tube Assembly	1
19	501-0632	System End Plate Stud 2.4"	1
20	505-5002	Nylon Washer .51 ID x 1.25 OD x .063 Thick	2

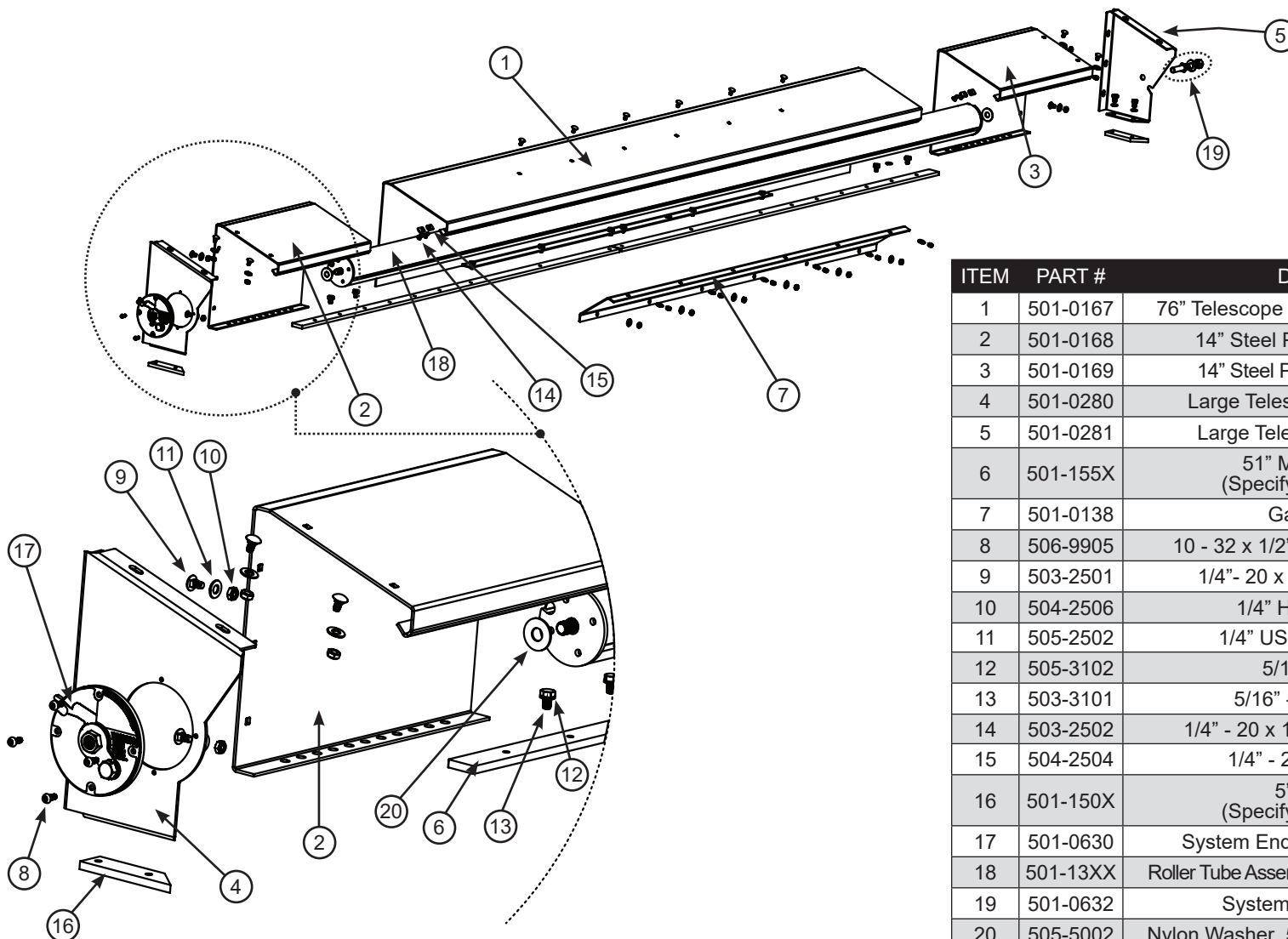
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Pulltarps Systems

X-Pando Pre-Adjusted Steel Protector #116-3028, 116-3018



ITEM	PART #	DESCRIPTION	QTY
1	501-0167	76" Telescope Steel Protector Center Hsg.	1
2	501-0168	14" Steel Protector Adj. End (Left)	1
3	501-0169	14" Steel Protector Adj. End (Right)	1
4	501-0280	Large Telescope Ratchet End Plate	1
5	501-0281	Large Telescope End Plate Pass.	1
6	501-155X	51" Mounting Bar-Steel (Specify Steel or Aluminum)	2
7	501-0138	Galvanized Insert	1
8	506-9905	10 - 32 x 1/2" Phillips Pan Head Screw	4
9	503-2501	1/4" - 20 x 1/2" USS Carriage Bolt	22
10	504-2506	1/4" Hex Lock Nut "Thin"	22
11	505-2502	1/4" USS Washer 5/16" Hole	22
12	505-3102	5/16" Lock Washer	14
13	503-3101	5/16" - 18 x 1/2" Hex Bolt	14
14	503-2502	1/4" - 20 x 1/2" SS Button HD Screw	4
15	504-2504	1/4" - 20 Weld Nut - Single	4
16	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
17	501-0630	System End Plate Ratchet Assembly	1
18	501-13XX	Roller Tube Assembly 80, 84, 87, 89, 93, 96, 100"	1
19	501-0632	System End Plate Stud 2.4"	1
20	505-5002	Nylon Washer .51 ID x 1.25 OD x .063 Thick	2

REV. 11/15/16 WLH



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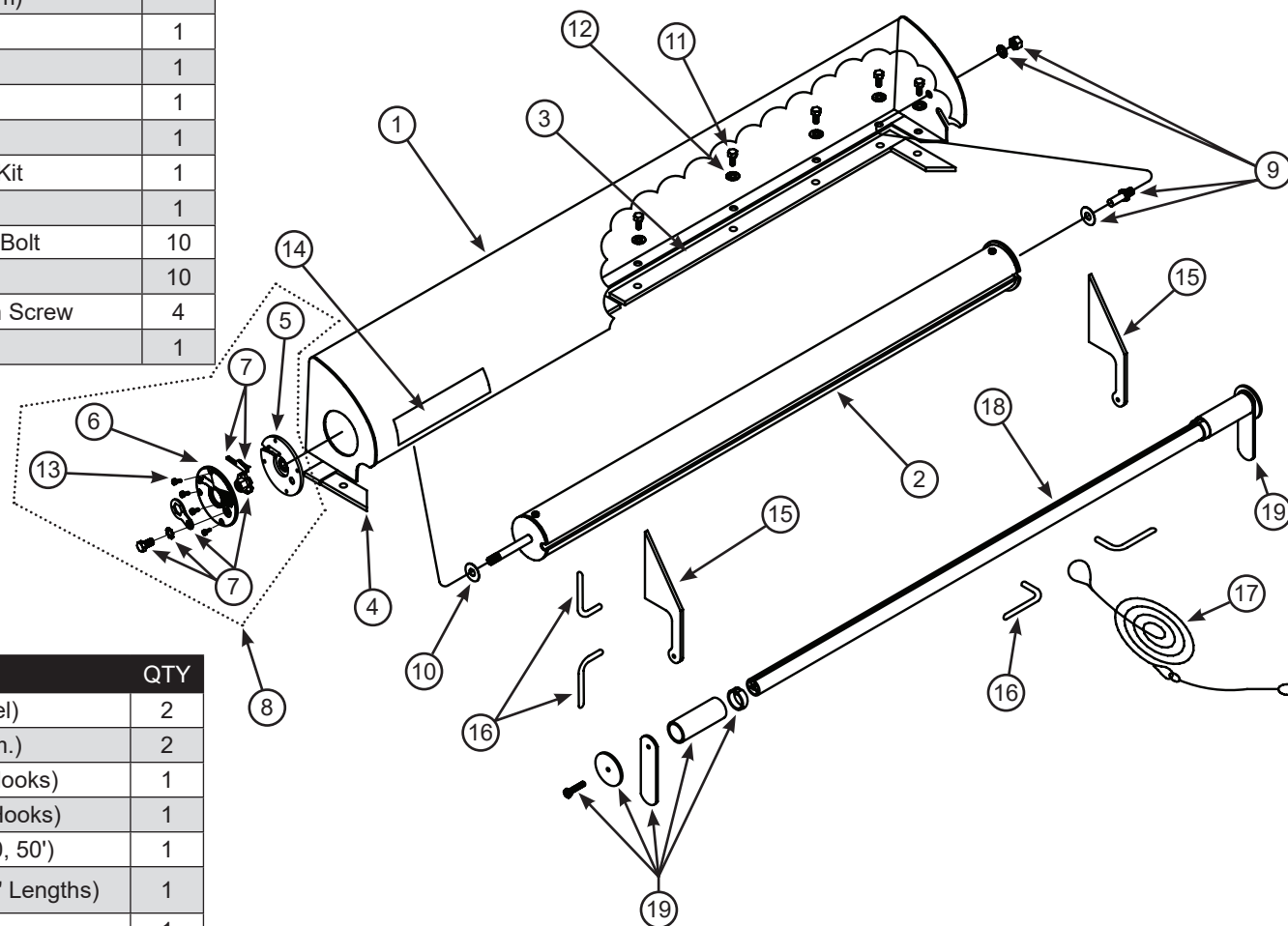
Pulltarps Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	8.5" Super Shield Housing 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	501-150X	Small Steel Mounting Bar (Specify Steel or Aluminum)	2
5	501-0809	Ratchet Housing	1
6	501-0806	Ratchet Cover	1
7	501-0825	Ratchet Kit	1
8	501-0630	Ratchet Assembly	1
9	501-0632	System End Plate Stud Kit	1
10	505-5002	Nylon Washer	1
11	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	10
12	505-3102	5/16" Lock Washer	10
13	506-9905	#10 - 32 x 1/2"lg. Phillips Pan Screw	4
14	607-0061	Pulltarps Decal	1

REV. 10/12/16 WLH

8" Super Shield System #107-0215

(Widths of 80, 84, 87, 89, 93, 96, 100")



Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
15	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
16	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
17	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
18	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
19	501-0612	Pullrod Hardware Kit	1

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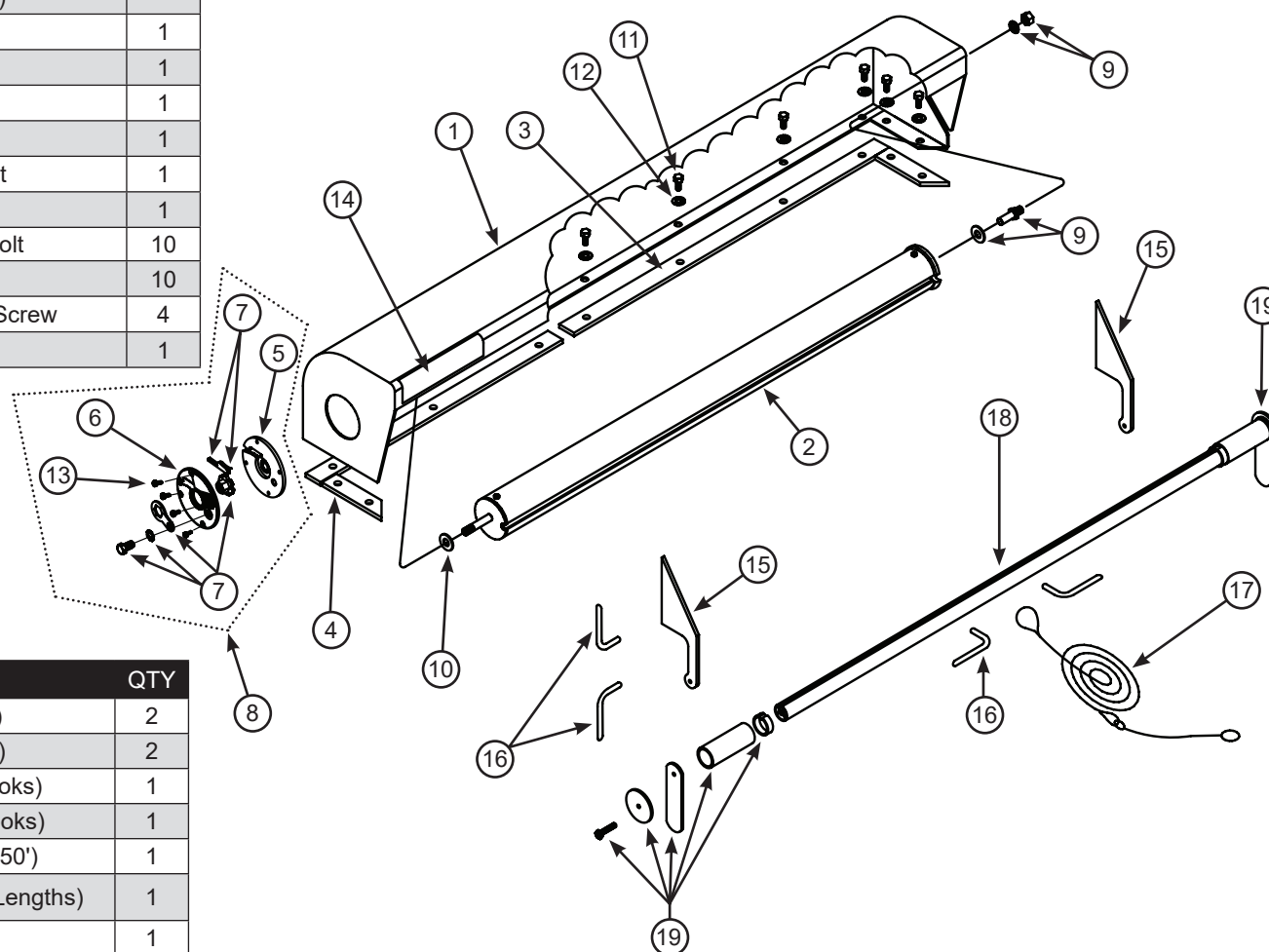
Pulltarps Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	9.5" Super Shield Housing 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar-Steel 40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	501-150X	6" Large Mount (Specify Steel or Aluminum)	2
5	501-0809	Ratchet Housing	1
6	501-0806	Ratchet Cover	1
7	501-0825	Ratchet Kit	1
8	501-0630	Ratchet Assembly	1
9	501-0632	System End Plate Stud Kit	1
10	505-5002	Nylon Washer	1
11	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	10
12	505-3102	5/16" Lock Washer	10
13	506-9905	#10 - 32 x 1/2"lg. Phillips Pan Screw	4
14	607-0061	Pulltarps Decal	1

REV. 02/21/18 WLH

9.5" Universal Super Shield System #108-0215

(Widths of 80, 84, 87, 89, 93, 96, 100")



Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
15	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
16	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
17	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
18	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
19	501-0612	Pullrod Hardware Kit	1

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Pulltarps Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	Alum. Super Shield Housing 80, 84, 87, 89, 93, 96"	1
2	501-13XX	Roller Assembly 80, 84, 87, 89, 93, 96"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48" (Specify Steel or Aluminum)	2
4	505-5001	1/2" AN Flat Washer	1
5	504-5001	1/2" Crimp Nut	1
6	505-5002	Nylon Washer	2
7	503-3105	5/16" - 18 x 1"lg. HHCS Bolt	4
8	503-2528	1/4" - 20 x 1/2"lg. SS Truss Head Torx	16
9	501-0227	Alum. Ratcheting Plate 9.5"	1
10	501-0228	Alum. Non Ratchet End Plate 9.5"	1
11	501-150X	6" Large Mounting Bar (Specify Steel or Aluminum)	2
12	501-0806	Ratchet Cover	1
13	501-0825	Ratchet Kit	1
14	506-9905	#10 - 32 x 1/2"lg. Philips Pan Head	4
15	505-3102	5/16" Lock Washer	12
16	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
17	501-0803	System End Plate Stud 2.8"	1
18	505-2502	1/4" Flat Washer USS	4
19	607-0061	Pulltarps Decal	1

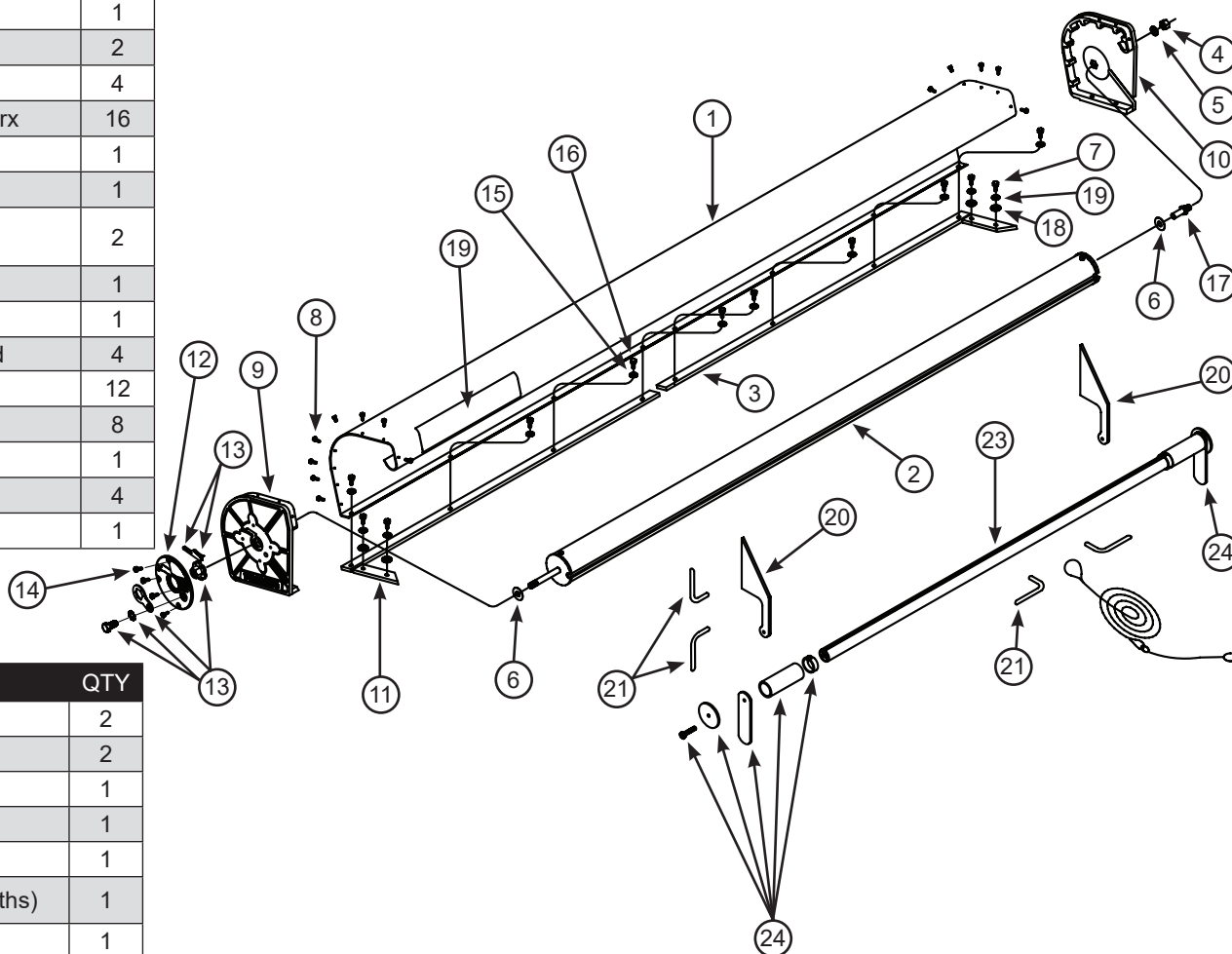
REV. 10/20/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
20	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
21	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
22	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
23	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
24	501-0612	Pullrod Hardware Kit	1

9.5" Ultimate Super Shield System #109-0215

(Widths of 80, 84, 87, 89, 93, 96")





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Pulltarps Systems

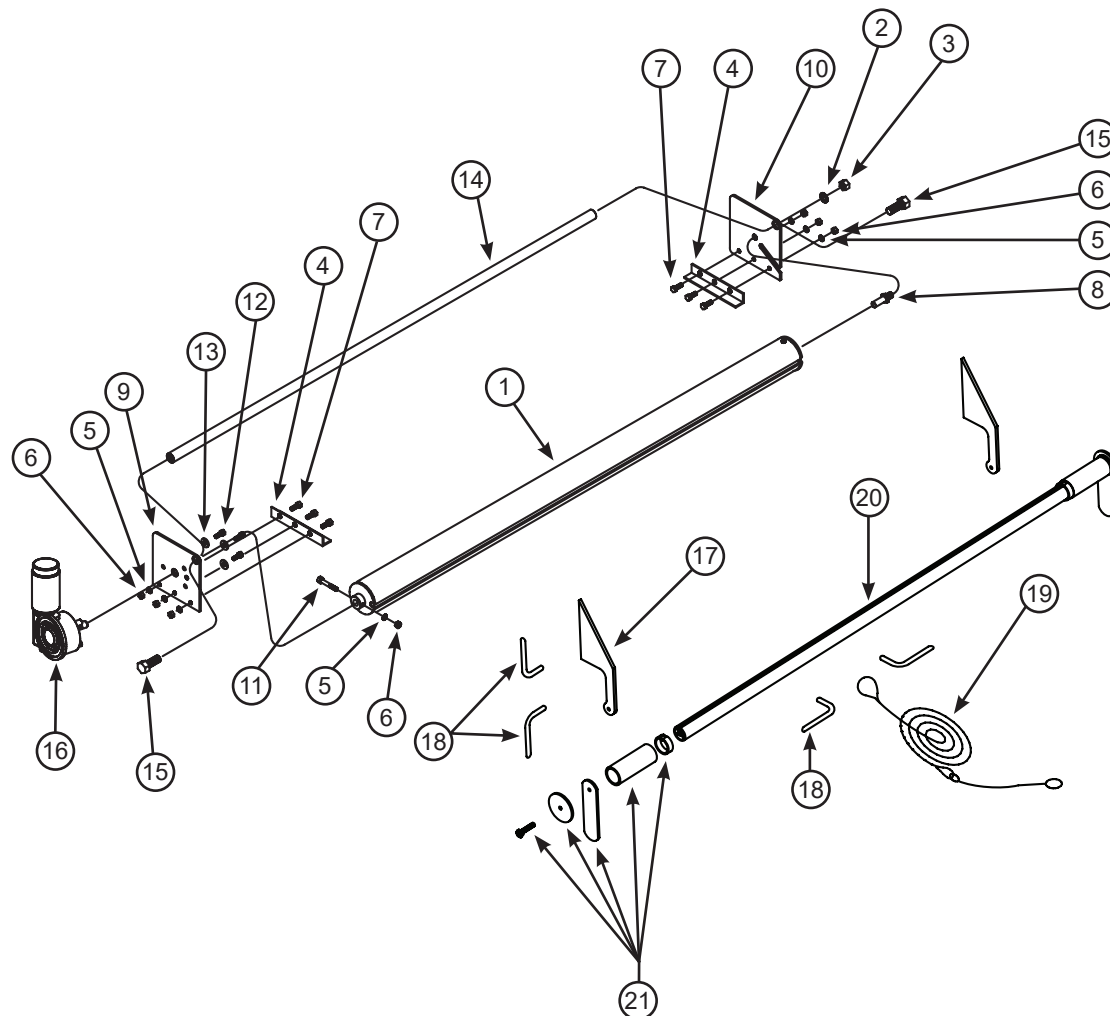
ITEM	PART #	DESCRIPTION	QTY
1	501-1310	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
2	505-5001	1/2" AN Flat Washer	1
3	504-5001	1/2" - 13 Crimp Nut	1
4	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum)	2
5	505-2502	1/4" Flat Washer USS	7
6	504-3103	5/16" - 18 Nyloc Nut	7
7	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	6
8	501-0801	System End Plate Stud 2.4"	1
9	501-0221	9" Open End Plate, Electric (Drvr.)	1
10	501-0220	9" Open End Plate (Pass.)	1
11	503-3108	5/16" - 18 x 1 3/4"lg. HHCS Bolt	1
12	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
13	505-3102	5/16" Lock Washer	3
14	501-980X	Spacer Rod 7/8" 80, 84, 87, 89, 93, 96, 100"	1
15	503-7501	3/4" - 10 x 1"lg. HHCS Bolt	2
16	517-0906	12V DC Electric Motor	1
--	514-0124	6 Ga. Electric Wire (Not shown)	100'
--	514-0101	Switch Assembly (Not shown)	1

REV. 11/15/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
17	501-0301	Tarp Return Ramps (Steel)	2
--	501-3102	Tarp Return Ramps (Alum.)	2
18	501-0643	Rope Storage Hooks (Steel)	4
--	501-0642	Rope Storage Hook (Alum.)	4
19	517-10XX	Pull Rope (20, 25, 30, 35, 40, 45, 50')	1
20	Determined by Length	Pullrod (85, 91, 93, 96, 99, 105" Lengths)	1
21	501-0612	Pullrod Hardware Kit	1

Housing Assembly for Open System with Electric Drive #110-0215





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Pulltarps Systems

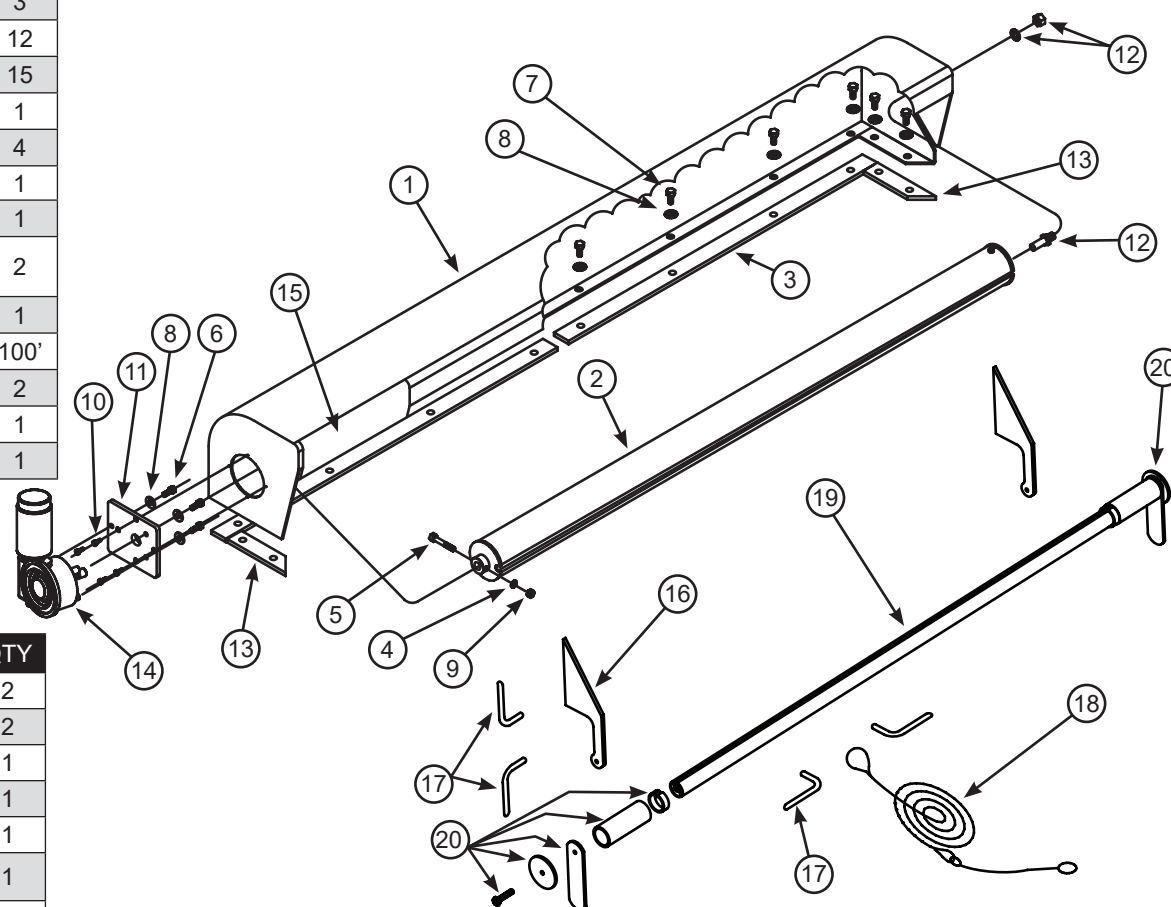
ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	SS Housing 9.5"80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy. 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	505-2502	1/4" Flat Washer USS	1
5	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
6	503-3105	5/16" - 18 x 1"lg. HHCS Bolt	3
7	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	12
8	505-3102	5/16" Lock Washer	15
9	504-3103	5/16" - 18 Nyloc Nut	1
10	506-9905	#10 - 32 x 1/2"lg. Phillips Head Pan	4
11	501-1235	Alum. Adaptor Plate-SW Motor	1
12	501-0632	System End Plate Stud Kit	1
13	501-150X	6" Large Steel Mounting Brkt. (Specify Steel or Aluminum)	2
14	517-0906	12V DC electric Motor	1
--	514-0121	6 Ga. Electric Wire (Not Shown)	100'
--	514-0505	Gray Quick Disconnect (Not Shown)	2
--	514-0101	Switch Assembly (Not shown)	1
15	607-0061	Pulltarps Decal	1

REV. 10/20/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
16	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
17	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
18	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
19	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
20	501-0612	Pullrod Hardware Kit	1

Housing Assembly for Universal Super Shield with Electric Drive #111-0215



For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.



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Pulltarps Systems

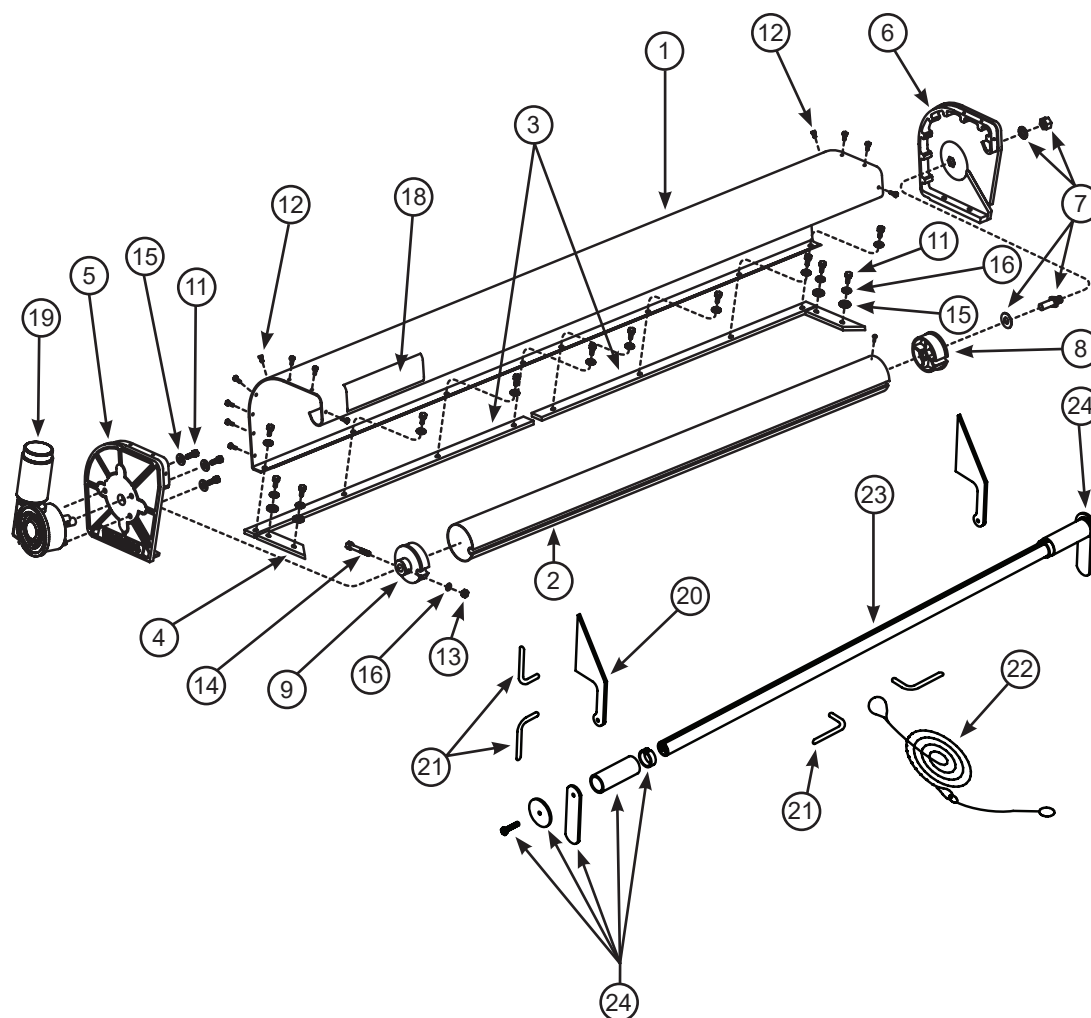
ITEM	PART #	DESCRIPTION	QTY
1	501-0129	Ultimate Alum. Housing 80, 84, 87, 89, 93, 96"	1
2	501-1310	Roller Assembly 80, 84, 87, 89, 93, 96"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48" (Specify Steel or Aluminum)	2
4	501-150X	6" Large Mounting Bar (Specify Steel or Aluminum)	2
5	501-0229	Elec. Ultimate Alum. End Plate - Left Side	1
6	501-0228	Ultimate Alum. End Plate - Right Side	1
7	501-0803	System End Plate Stud Kit	1
8	517-0102	Flanged End Cap	1
9	501-9915	Roller Drive Aluminum End Cap	1
10	506-9916	Screw #8 - 18 x 3/4" Self Drilling	1
11	503-3105	5/16" - 18 x 1"lg. HHCS Bolt	7
12	503-2528	1/4" - 20 x 1/2"lg. SS Truss Head Torx	16
13	504-3103	5/16" - 18 Nyloc Nut	1
14	503-3108	5/16" - 18 x 1-3/4" Hex Bolt	1
15	505-2502	1/4" Flat Washer USS	7
16	505-3102	5/16" Lock Washer	15
17	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
18	607-0061	Pulltarps Decal	1
19	517-0906	12V DC Electric Motor	1
--	514-0101	Switch Assembly (Not shown)	1
--	514-0124	6 Ga. Wire (Not Shown)	100'

Pullrod Hardware

REV. 10/20/16 WLH

ITEM	PART #	DESCRIPTION	QTY
20	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
21	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
22	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
23	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
24	501-0612	Pullrod Hardware Kit	1

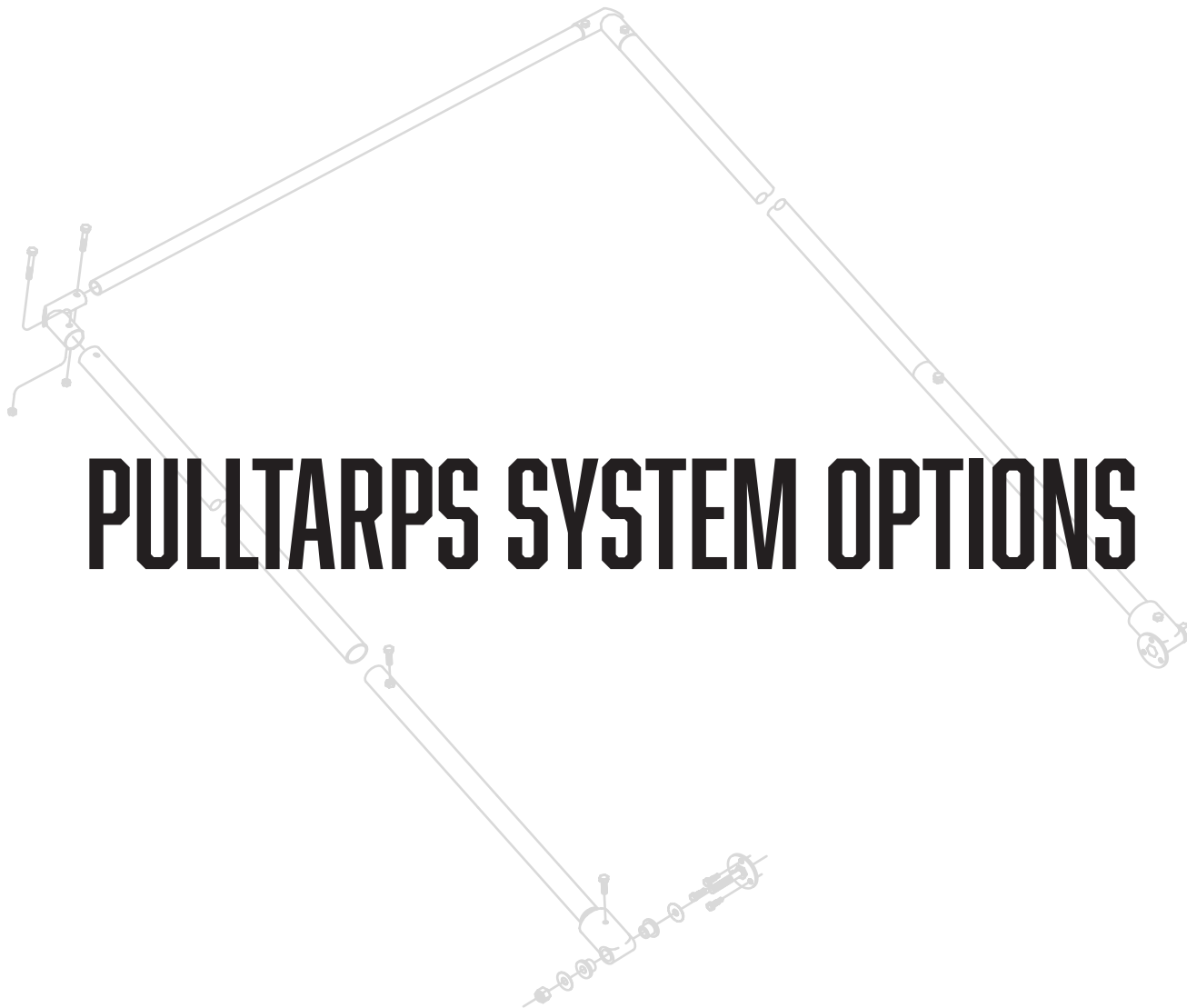
Housing Assembly for Ultimate Aluminum with Electric Drive #112-0215





1404 N. Marshall Ave. El Cajon CA. 92020

Pulltarps System Options



PULLTARPS SYSTEM OPTIONS



1404 N. Marshall Ave. El Cajon CA. 92020

Pulltarps System Options

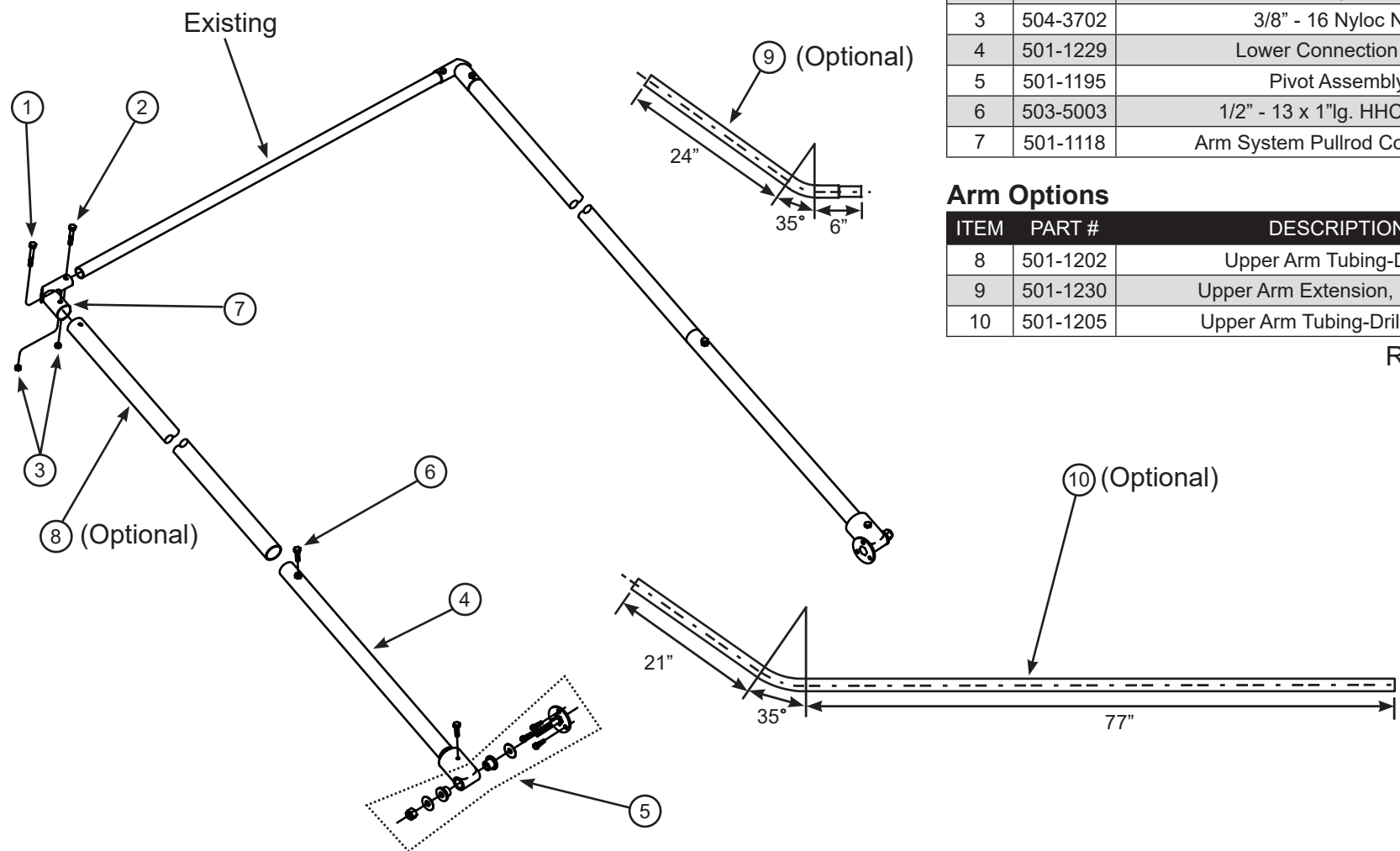
Manual Steel Arm Retrofit Kit #113-2212

ITEM	PART #	DESCRIPTION	QTY
1	503-3713	3/8" - 16 x 2-1/2"lg. HHCS Bolt	2
2	503-3709	3/8" - 16 x 2"lg. HHCS Bolt	2
3	504-3702	3/8" - 16 Nyloc Nut	6
4	501-1229	Lower Connection Arm	2
5	501-1195	Pivot Assembly	2
6	503-5003	1/2" - 13 x 1"lg. HHCS Bolt	2
7	501-1118	Arm System Pullrod Connection	2

Arm Options

ITEM	PART #	DESCRIPTION	QTY
8	501-1202	Upper Arm Tubing-Drilled	2
9	501-1230	Upper Arm Extension, Bent-35°	2
10	501-1205	Upper Arm Tubing-Drilled-Bent	2

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Pulltarps System Options

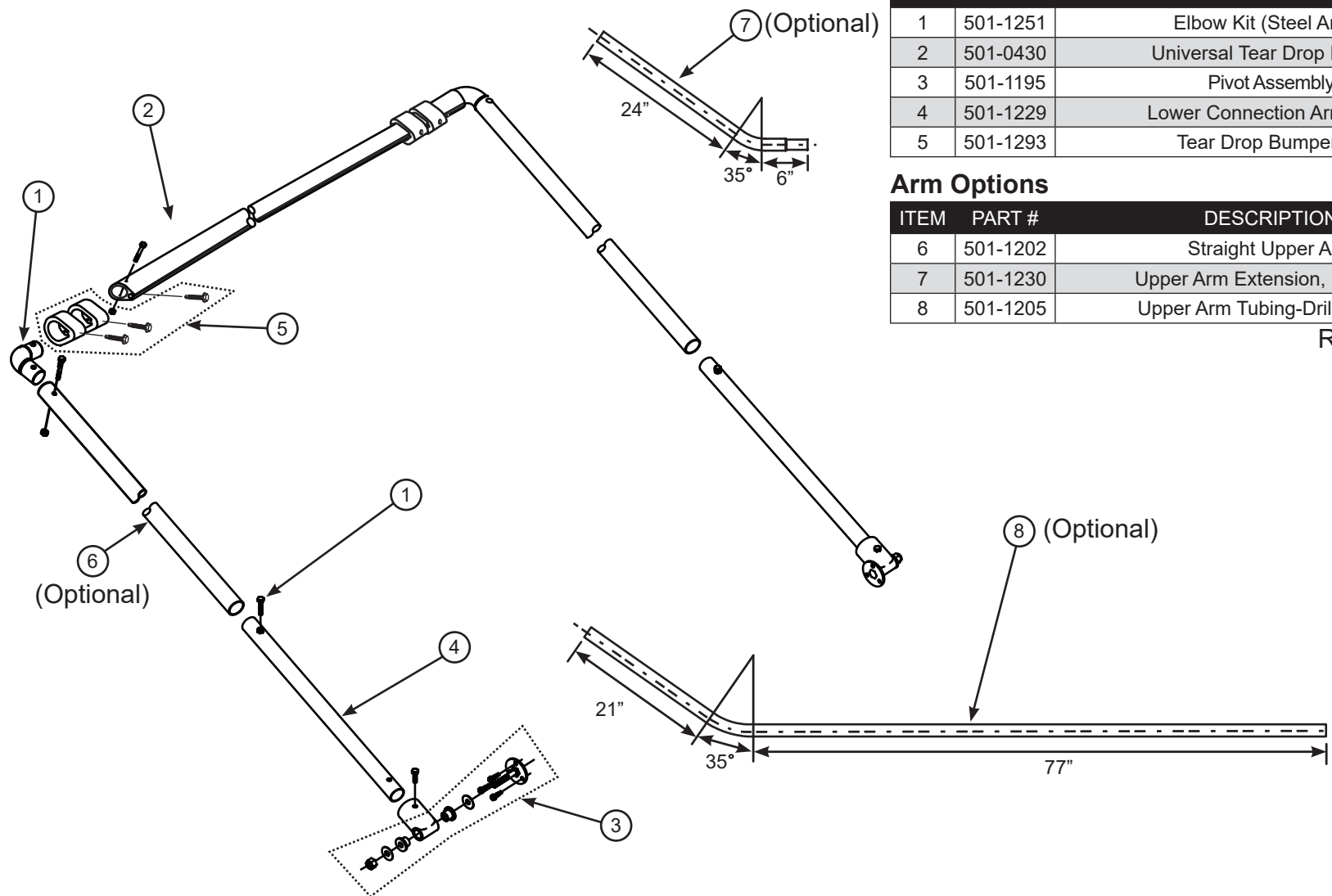
Steel Manual Arms (Complete Kits) #113-2214, 113-2215

ITEM	PART #	DESCRIPTION	QTY
1	501-1251	Elbow Kit (Steel Arms)	1
2	501-0430	Universal Tear Drop Pullbar	1
3	501-1195	Pivot Assembly	2
4	501-1229	Lower Connection Arm Tube	2
5	501-1293	Tear Drop Bumper Kit	1

Arm Options

ITEM	PART #	DESCRIPTION	QTY
6	501-1202	Straight Upper Arm	2
7	501-1230	Upper Arm Extension, Bent-35°	2
8	501-1205	Upper Arm Tubing-Drilled-Bent	2

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Pulltarps System Options

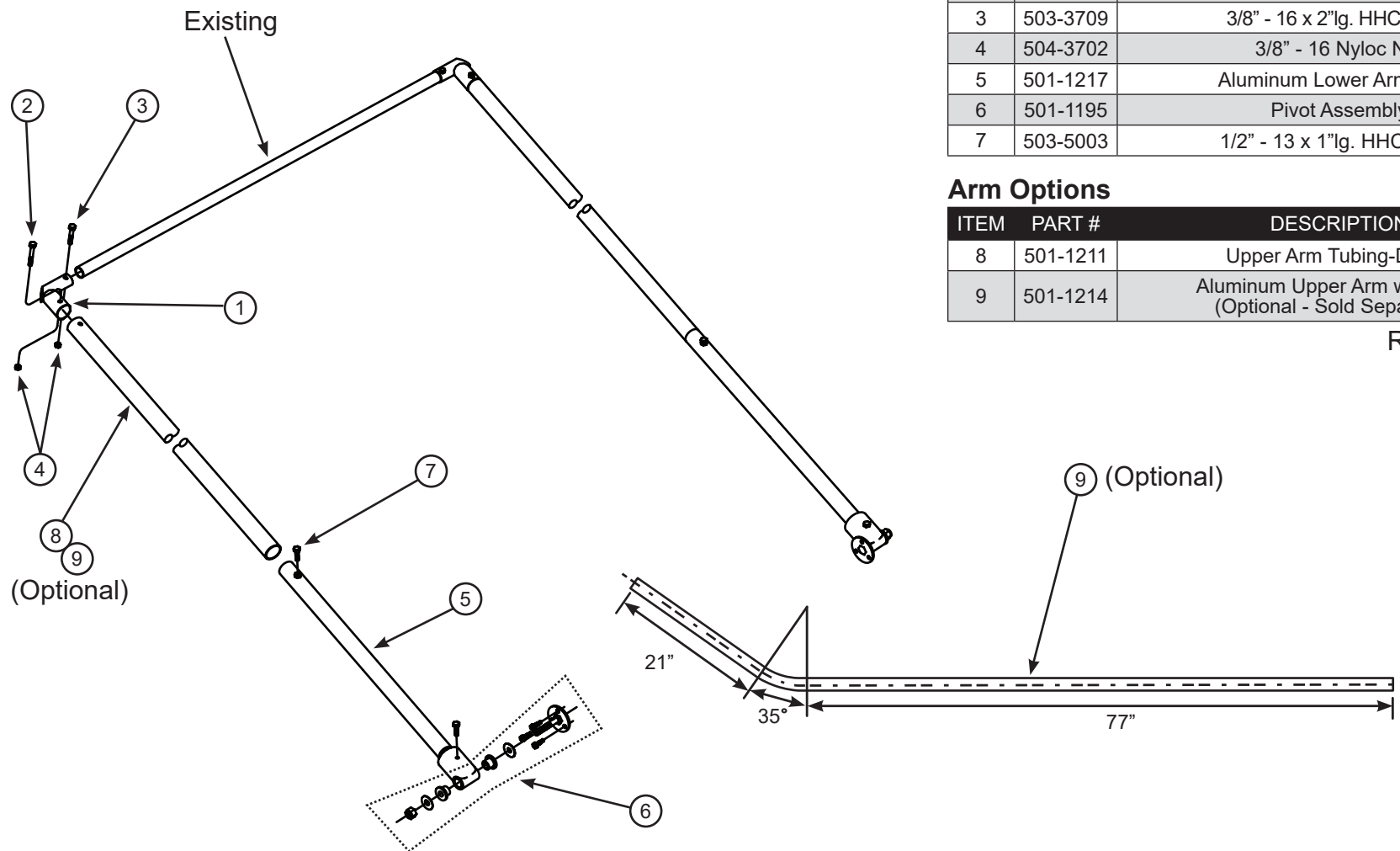
Manual Aluminum Arm Retrofit Kit #113-2222

ITEM	PART #	DESCRIPTION	QTY
1	501-1118	Arm System Pullrod Connection	2
2	503-3713	3/8" - 16 x 2-1/2"lg. HHCS Bolt	2
3	503-3709	3/8" - 16 x 2"lg. HHCS Bolt	2
4	504-3702	3/8" - 16 Nyloc Nut	6
5	501-1217	Aluminum Lower Arm Tube	2
6	501-1195	Pivot Assembly	2
7	503-5003	1/2" - 13 x 1"lg. HHCS Bolt	2

Arm Options

ITEM	PART #	DESCRIPTION	QTY
8	501-1211	Upper Arm Tubing-Drilled	2
9	501-1214	Aluminum Upper Arm with Bend (Optional - Sold Separately)	2

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Pulltarps System Options

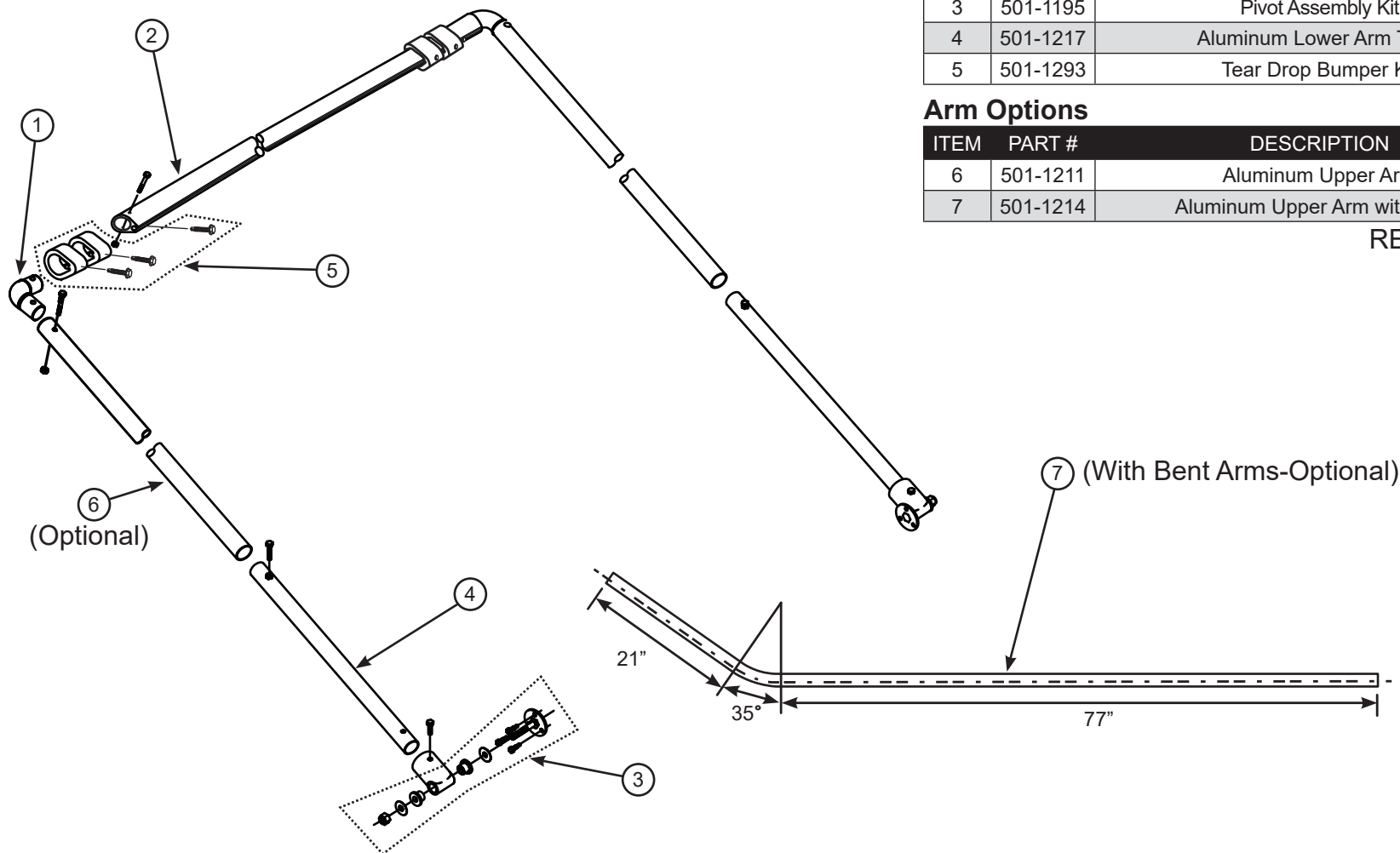
Aluminum Manual Arm Kits #113-2224, #113-2225

ITEM	PART #	DESCRIPTION	QTY
1	501-0791	Elbow Kit for Aluminum with Tear Drop	1
2	501-0430	Universal Tear Drop Pullbar	1
3	501-1195	Pivot Assembly Kit	2
4	501-1217	Aluminum Lower Arm Tube	2
5	501-1293	Tear Drop Bumper Kit	1

Arm Options

ITEM	PART #	DESCRIPTION	QTY
6	501-1211	Aluminum Upper Arm	2
7	501-1214	Aluminum Upper Arm with Bend	2

REV. 10/21/16 WLH





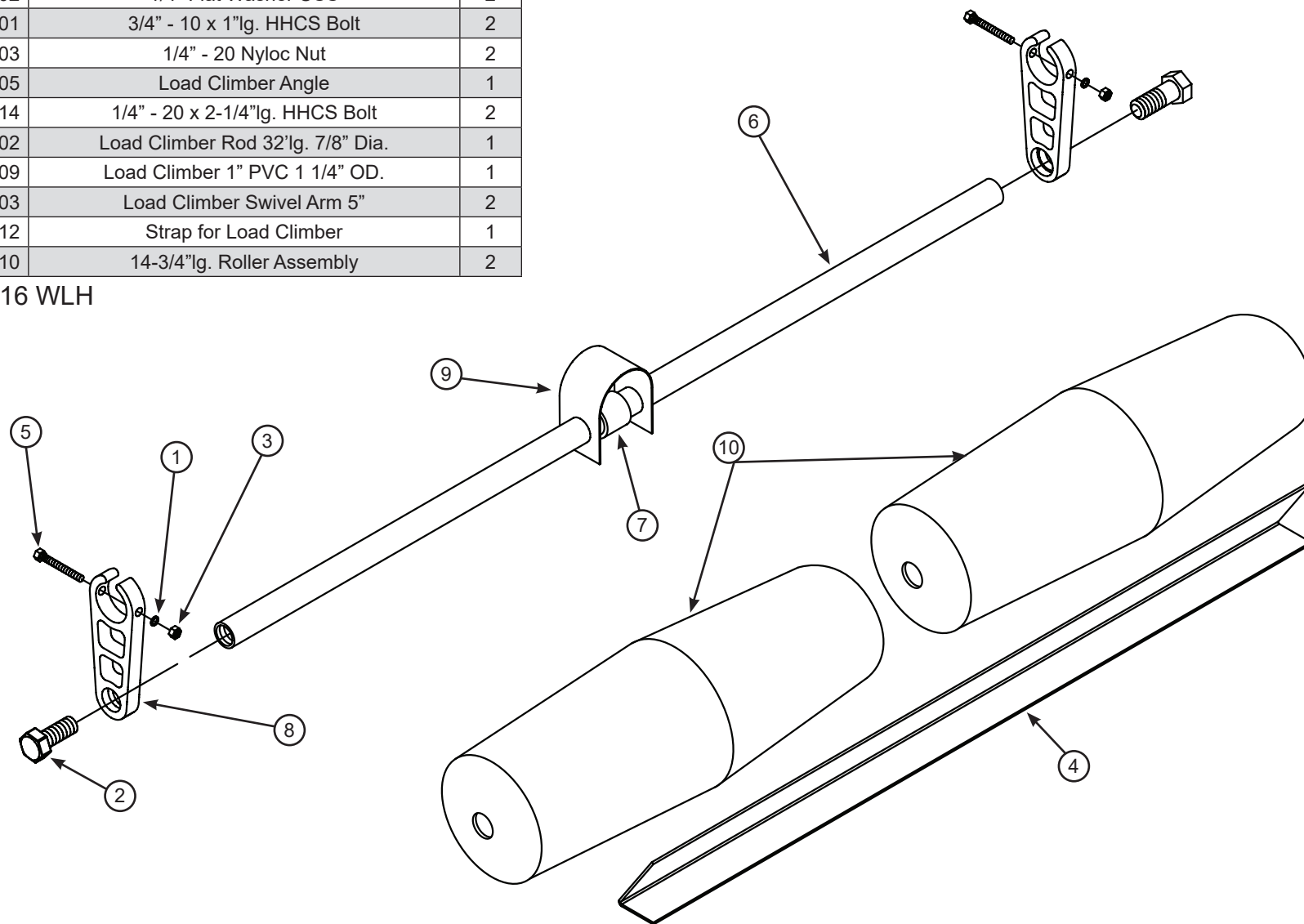
1404 N. Marshall Ave. El Cajon CA. 92020

Pulltarps System Options

Optional Load Climber #501-0901

ITEM	PART #	DESCRIPTION	QTY
1	505-2502	1/4" Flat Washer USS	2
2	503-7501	3/4" - 10 x 1"lg. HHCS Bolt	2
3	504-2503	1/4" - 20 Nyloc Nut	2
4	501-0905	Load Climber Angle	1
5	503-2514	1/4" - 20 x 2-1/4"lg. HHCS Bolt	2
6	501-0902	Load Climber Rod 32'lg. 7/8" Dia.	1
7	501-0909	Load Climber 1" PVC 1 1/4" OD.	1
8	501-0903	Load Climber Swivel Arm 5"	2
9	501-0912	Strap for Load Climber	1
10	501-0910	14-3/4"lg. Roller Assembly	2

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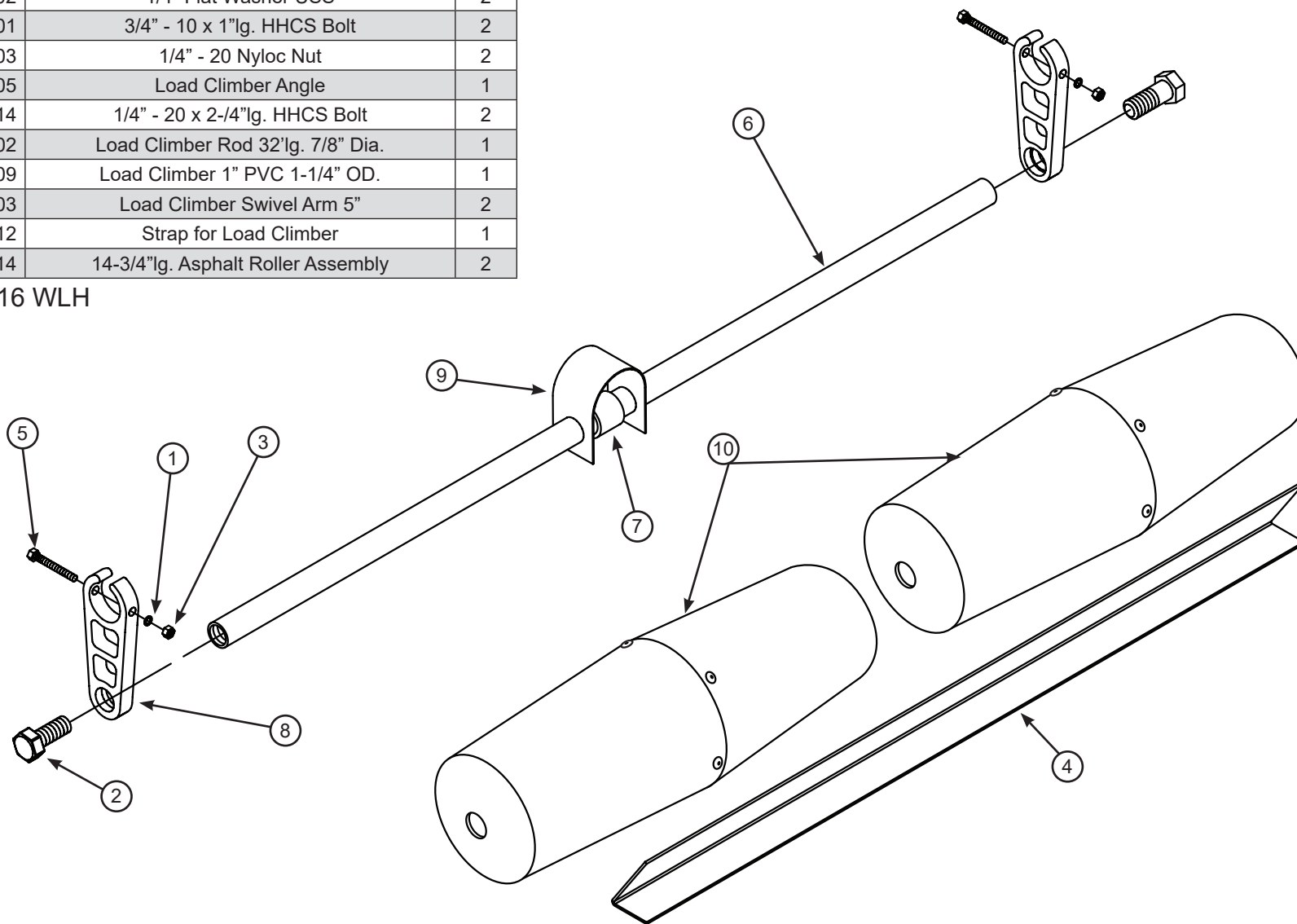
1404 N. Marshall Ave. El Cajon CA. 92020

Pulltarps System Options

Optional Asphalt Load Climber #501-0913

ITEM	PART #	DESCRIPTION	QTY
1	505-2502	1/4" Flat Washer USS	2
2	503-7501	3/4" - 10 x 1"lg. HHCS Bolt	2
3	504-2503	1/4" - 20 Nyloc Nut	2
4	501-0905	Load Climber Angle	1
5	503-2514	1/4" - 20 x 2-1/4"lg. HHCS Bolt	2
6	501-0902	Load Climber Rod 32'lg. 7/8" Dia.	1
7	501-0909	Load Climber 1" PVC 1-1/4" OD.	1
8	501-0903	Load Climber Swivel Arm 5"	2
9	501-0912	Strap for Load Climber	1
10	501-0914	14-3/4"lg. Asphalt Roller Assembly	2

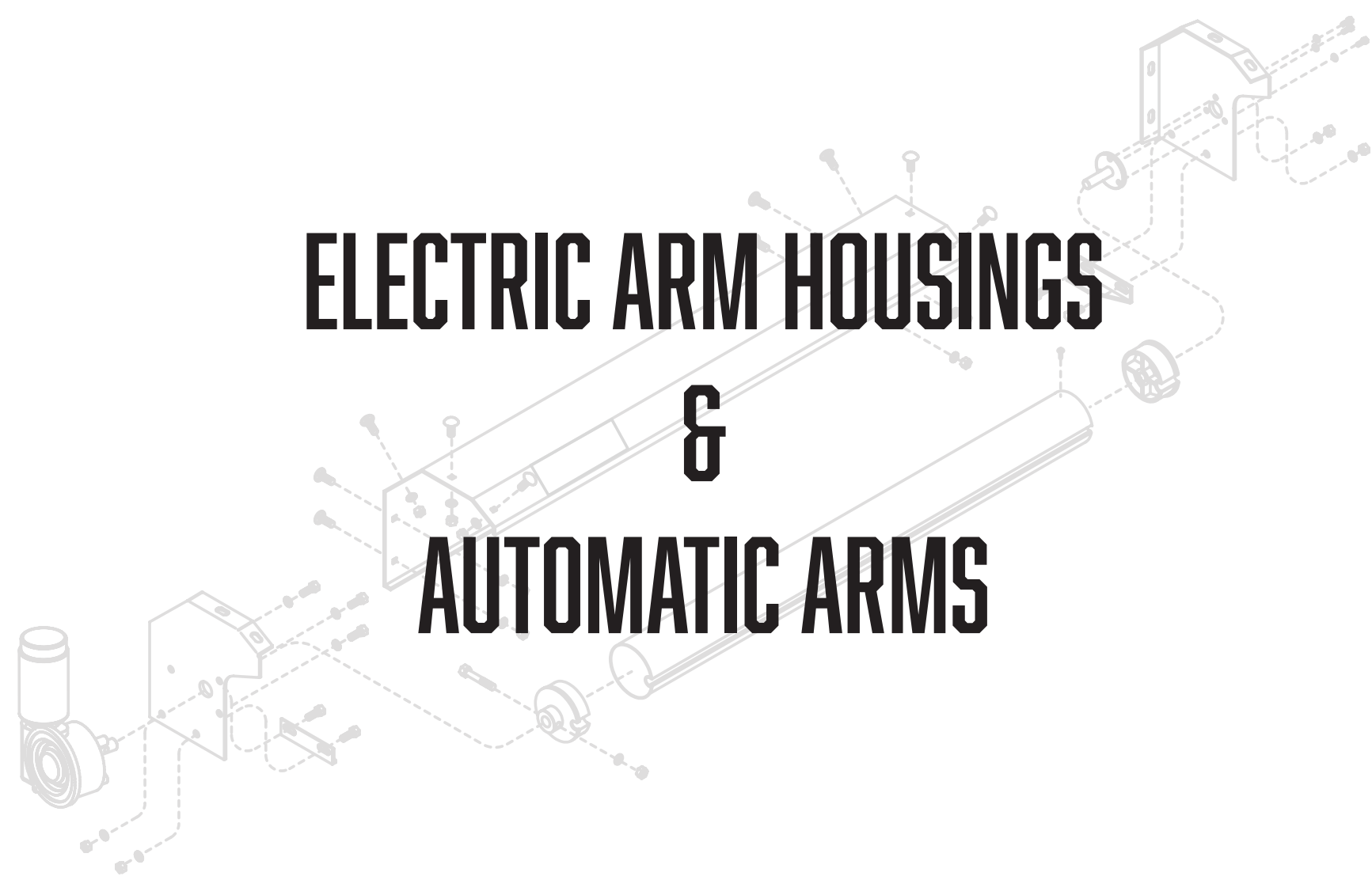
REV. 10/14/16 WLH





1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

An exploded view diagram of a Pulltarps electric arm housing and automatic arm assembly. The diagram shows various components including the main housing, internal gears, rollers, and mounting brackets, all connected by dashed lines to indicate their assembly relationship. The central text "ELECTRIC ARM HOUSINGS & AUTOMATIC ARMS" is overlaid on the diagram.

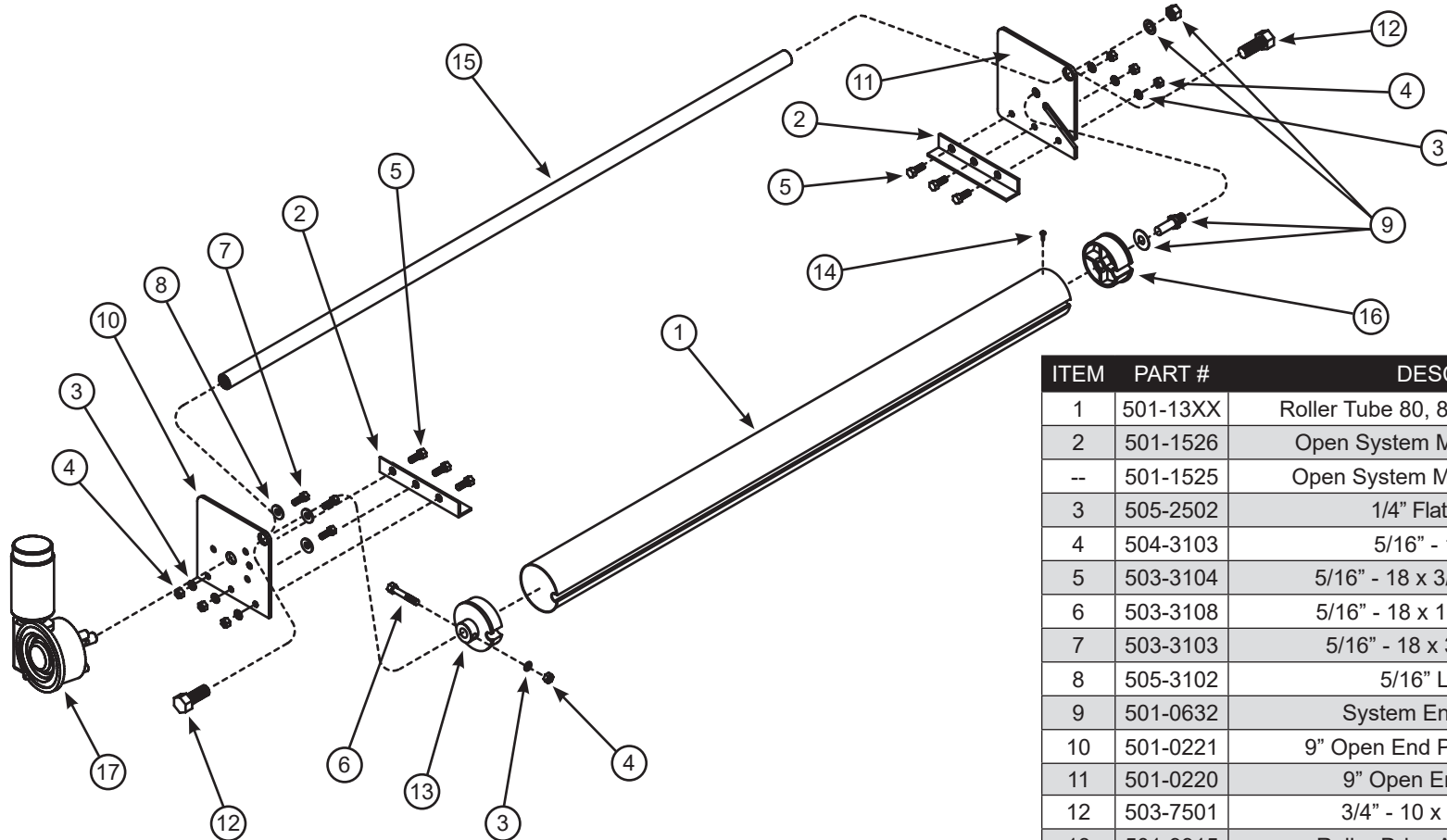
ELECTRIC ARM HOUSINGS & AUTOMATIC ARMS



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

9" Open Electric Arm System #201-0215



ITEM	PART #	DESCRIPTION	QTY
1	501-13XX	Roller Tube 80, 84, 87, 89, 93, 96, 100"	1
2	501-1526	Open System Mount Bracket (Steel)	2
--	501-1525	Open System Mount Bracket (Alum.)	2
3	505-2502	1/4" Flat Washer USS	7
4	504-3103	5/16" - 18 Nyloc Nut	7
5	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	6
6	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
7	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
8	505-3102	5/16" Lock Washer	3
9	501-0632	System End Plate Stud Kit	1
10	501-0221	9" Open End Plate, Electric (Drv.)	1
11	501-0220	9" Open End Plate (Pass.)	1
12	503-7501	3/4" - 10 x 1"lg. HHCS Bolt	2
13	501-9915	Roller Drive Aluminum End Cap	1
14	506-9916	Screw #8 - 18 x 3/4" Self Drilling	1
15	501-980X	Spacer Rod 7/8" - 80, 84, 87, 89, 93, 96, 100"	1
16	517-0102	Flanged End Cap	1
17	517-0906	1.1HP 12V DC Electric Motor	1
--	517-0909	1.3HP 12V DC Electric Motor	1

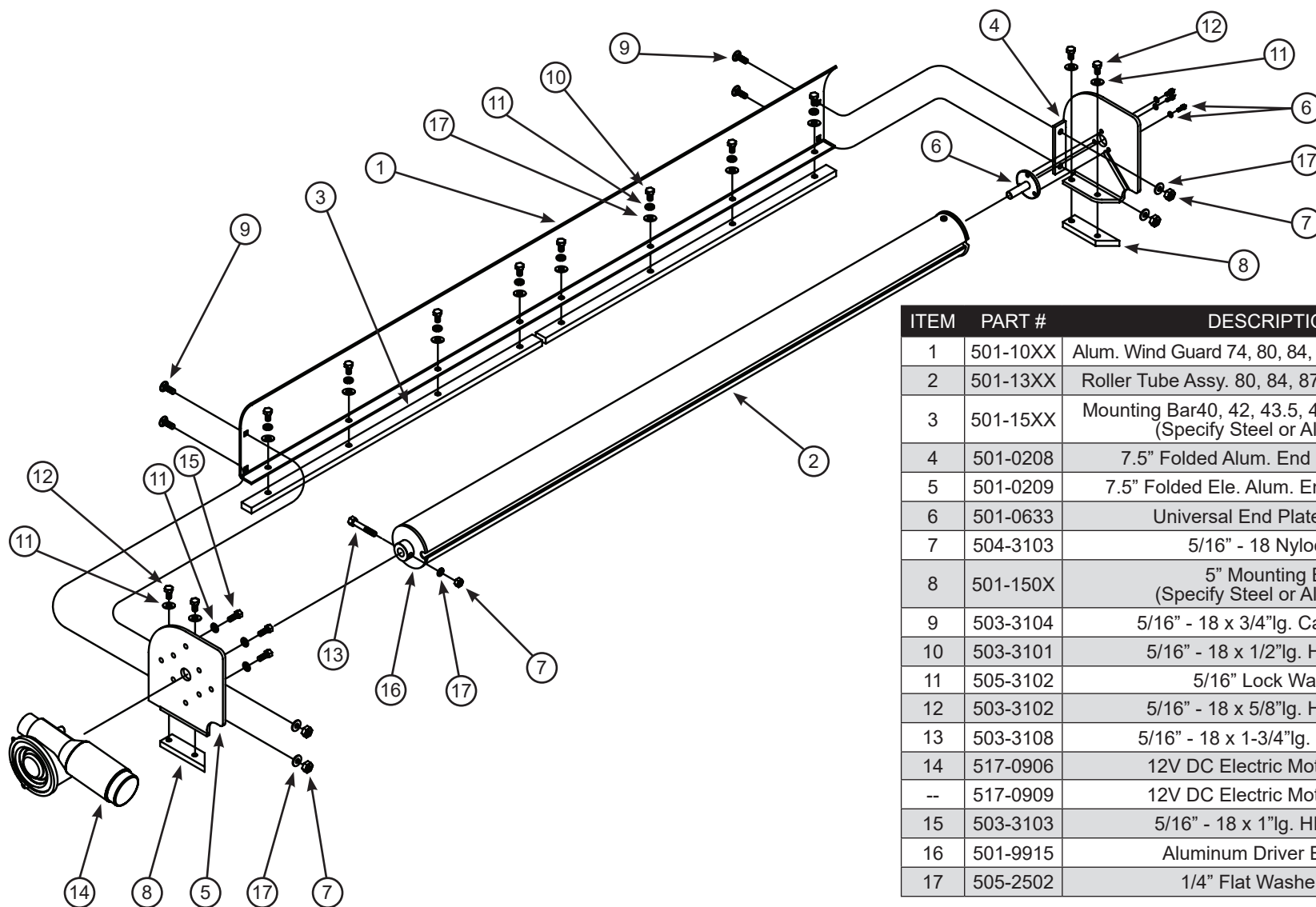
REV. 10/21/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

7" Aluminum Electric Arm System #204-0215



ITEM	PART #	DESCRIPTION	QTY
1	501-10XX	Alum. Wind Guard 74, 80, 84, 87, 89, 96, 96, 100"	1
2	501-13XX	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
3	501-15XX	Mounting Bar40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	501-0208	7.5" Folded Alum. End Plate (Pass.)	1
5	501-0209	7.5" Folded Ele. Alum. End Plate (Drvr.)	1
6	501-0633	Universal End Plate Stud Kit	1
7	504-3103	5/16" - 18 Nyloc Nut	5
8	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
9	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
10	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
11	505-3102	5/16" Lock Washer	15
12	503-3102	5/16" - 18 x 5/8"lg. HHCS Bolt	4
13	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
14	517-0906	12V DC Electric Motor 1.1 HP	1
--	517-0909	12V DC Electric Motor 1.3 HP	--
15	503-3103	5/16" - 18 x 1"lg. HHCS Bolt	3
16	501-9915	Aluminum Driver End Cap	1
17	505-2502	1/4" Flat Washer USS	13

REV.11/15/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

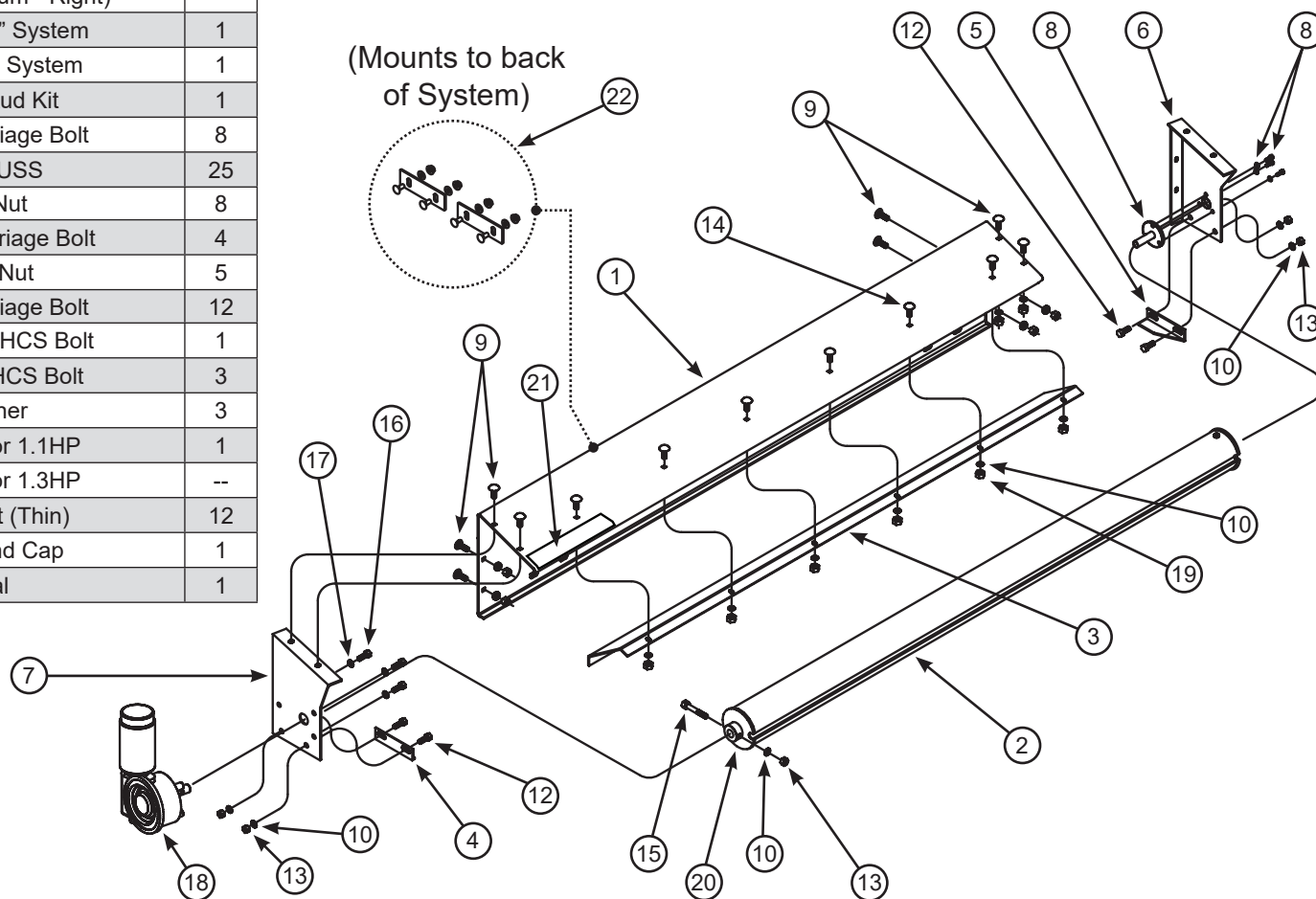
Electric Arm Housings & Automatic Arms

9" Steel Protector Electric Arm System #208-0215

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	Galv. Steel Protector Hsg. 74, 80, 84, 87, 89, 96, 96, 100"	1
2	501-13XX	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
3	501-0138	48" x 5 1/2" Galvanized Insert	1
4	501-152X	System Mount Bracket (Specify Steel or Aluminum - Left)	1
5	501-152X	System Mount Bracket (Specify Steel or Aluminum - Right)	1
6	501-0254	Right End Plate for "N" System	1
7	501-0255	Electric End Plate "N" System	1
8	501-0633	Universal Bolt In Stud Kit	1
9	503-2505	1/4" - 20 x 3/4"lg. Carriage Bolt	8
10	505-2502	1/4" Flat Washer USS	25
11	504-2503	1/4" - 20 Nyloc Nut	8
12	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
13	504-3103	5/16" - 18 Nyloc Nut	5
14	503-2501	1/4" - 20 x 1/2"lg. Carriage Bolt	12
15	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
16	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
17	505-3102	5/16" Lock Washer	3
18	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP	--
19	504-2506	1/4" - 20 x Nyloc Nut (Thin)	12
20	501-9915	Driver Aluminum End Cap	1
21	607-0061	Pulltarps Decal	1

ITEM	PART #	DESCRIPTION	QTY
22	501-06XX	Steel Protector System Hardware (Specify Steel or Aluminum)	1

REV. 11/15/16 WLH





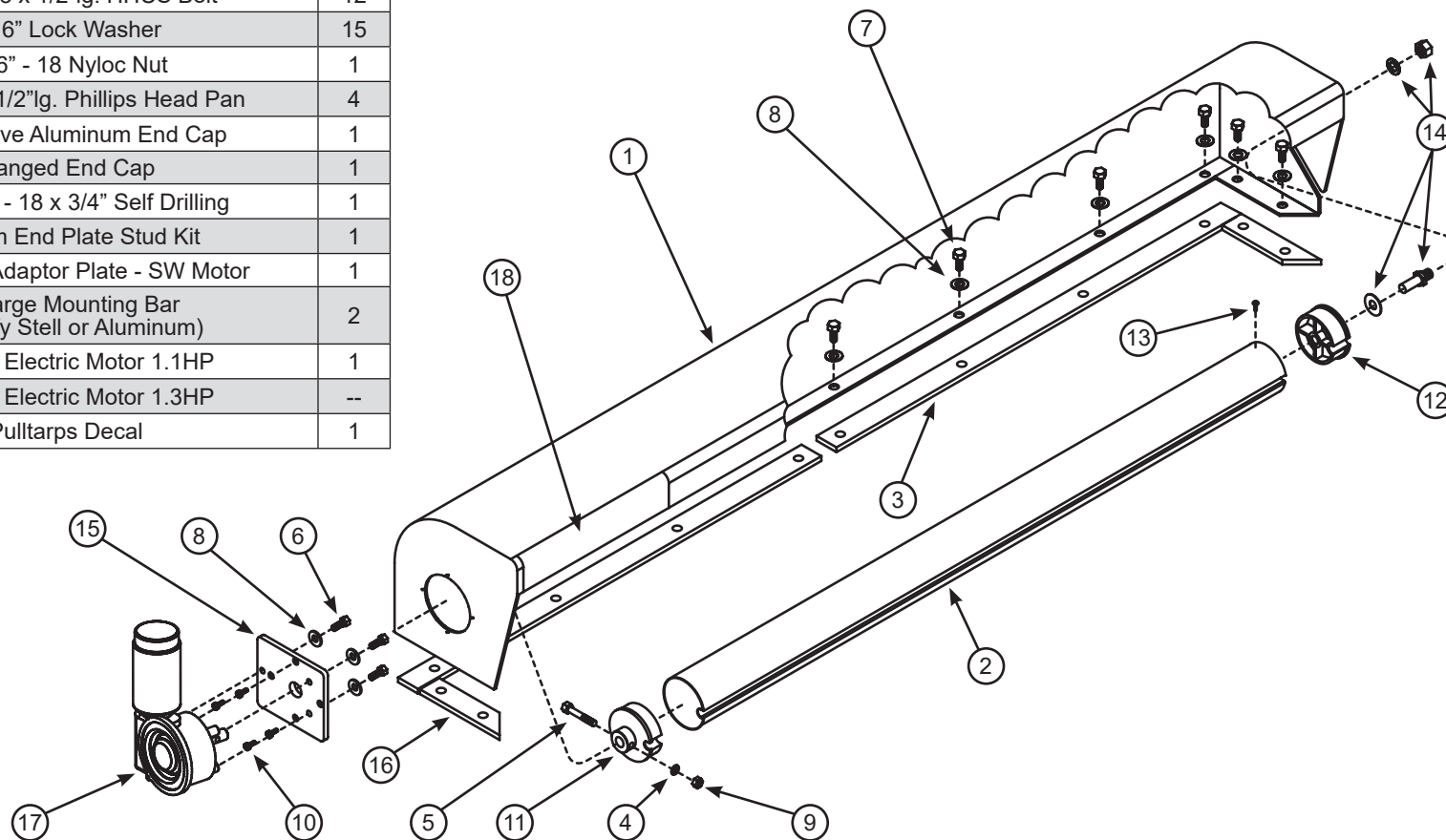
1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Universal Super Shield Electric Arm System #210-0215

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	9.5" Super Shield Hsg. 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	505-2502	1/4" Flat Washer USS	1
5	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
6	503-3105	5/16" - 18 x 1"lg. HHCS Bolt	3
7	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	12
8	505-3102	5/16" Lock Washer	15
9	504-3103	5/16" - 18 Nyloc Nut	1
10	506-9905	#10 - 32 x 1/2"lg. Phillips Head Pan	4
11	501-9915	Roller Drive Aluminum End Cap	1
12	517-0102	Flanged End Cap	1
13	506-9916	Screw #8 - 18 x 3/4" Self Drilling	1
14	501-0632	System End Plate Stud Kit	1
15	501-1235	Aluminum Adaptor Plate - SW Motor	1
16	501-150X	6" Large Mounting Bar (Specify Steel or Aluminum)	2
17	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP	--
18	607-0061	Pulltarps Decal	1

REV. 10/03/16 WLH





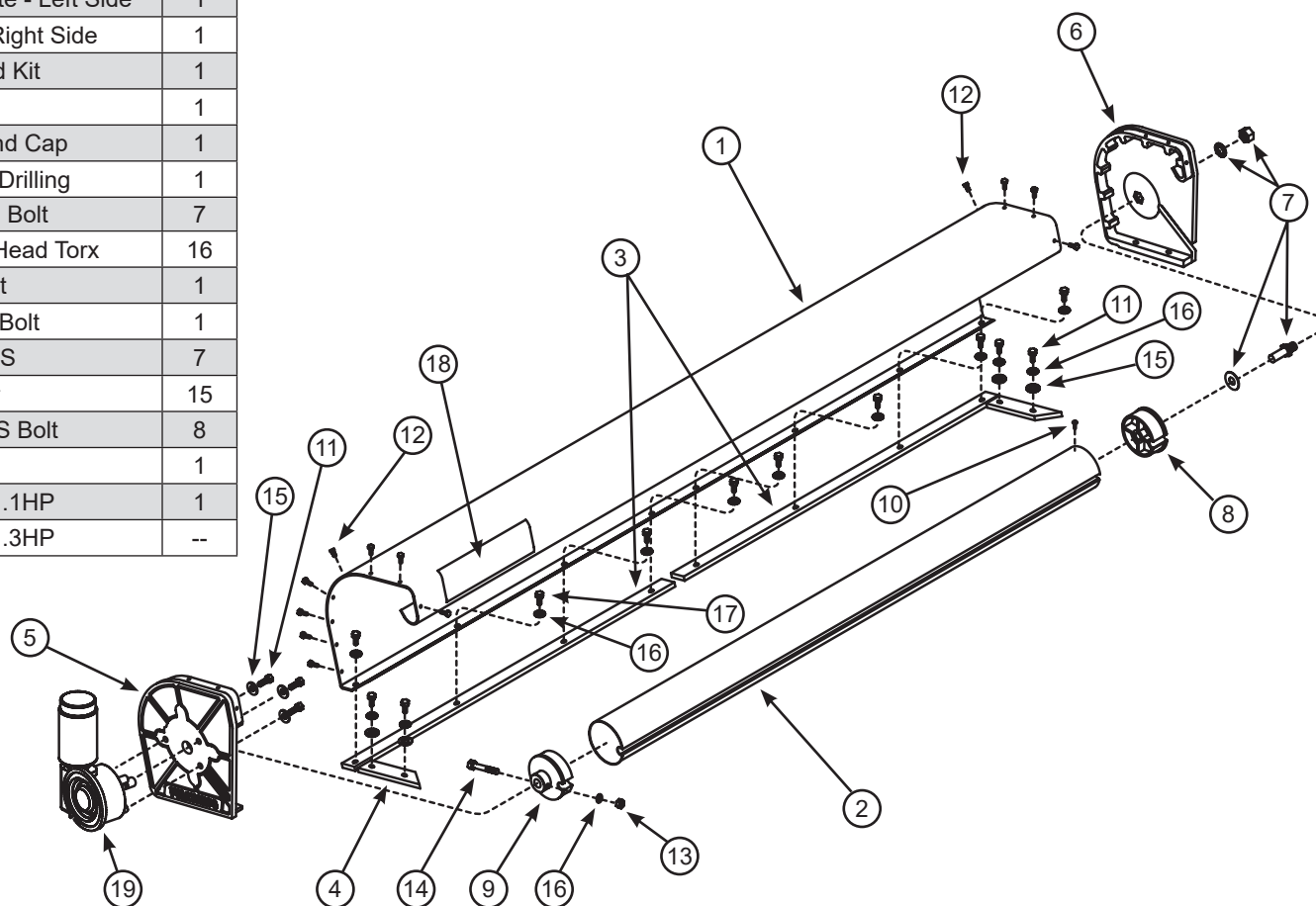
1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Ultimate Aluminum Housing Electric Arms System #213-0215

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	Ultimate Aluminum Hsg. 80, 84, 87, 89, 93, 96"	1
2	501-13XX	Roller Tube Assy. 80, 84, 87, 89, 93, 96"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48" (Specify Steel or Aluminum)	2
4	501-1506	6" Large Mounting Bar (Steel)	2
--	501-1505	6" Large Mounting Bar (Alum.)	--
5	501-0229	Electric Ultimate Alum. End Plate - Left Side	1
6	501-0228	Ultimate Alum. End Plate - Right Side	1
7	501-0803	System End Plate Stud Kit	1
8	517-0102	Flanged End Cap	1
9	501-9915	Roller Drive Aluminum End Cap	1
10	506-9916	Screw #8 - 18 x 3/4" Self Drilling	1
11	503-3105	5/16" - 18 x 1"lg. HHCS Bolt	7
12	503-2528	1/4" - 20 x 1/2"lg. SS Truss Head Torx	16
13	504-3103	5/16" - 18 Nyloc Nut	1
14	503-3108	5/16" - 18 x 1-3/4 Hex Bolt	1
15	505-2502	1/4" Flat Washer USS	7
16	505-3102	5/16" Lock Washer	15
17	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
18	607-0061	Pulltarps Decal	1
19	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP	--

REV. 10/21/16 WLH





1404 N. Marshall Ave. El Cajon CA. 92020

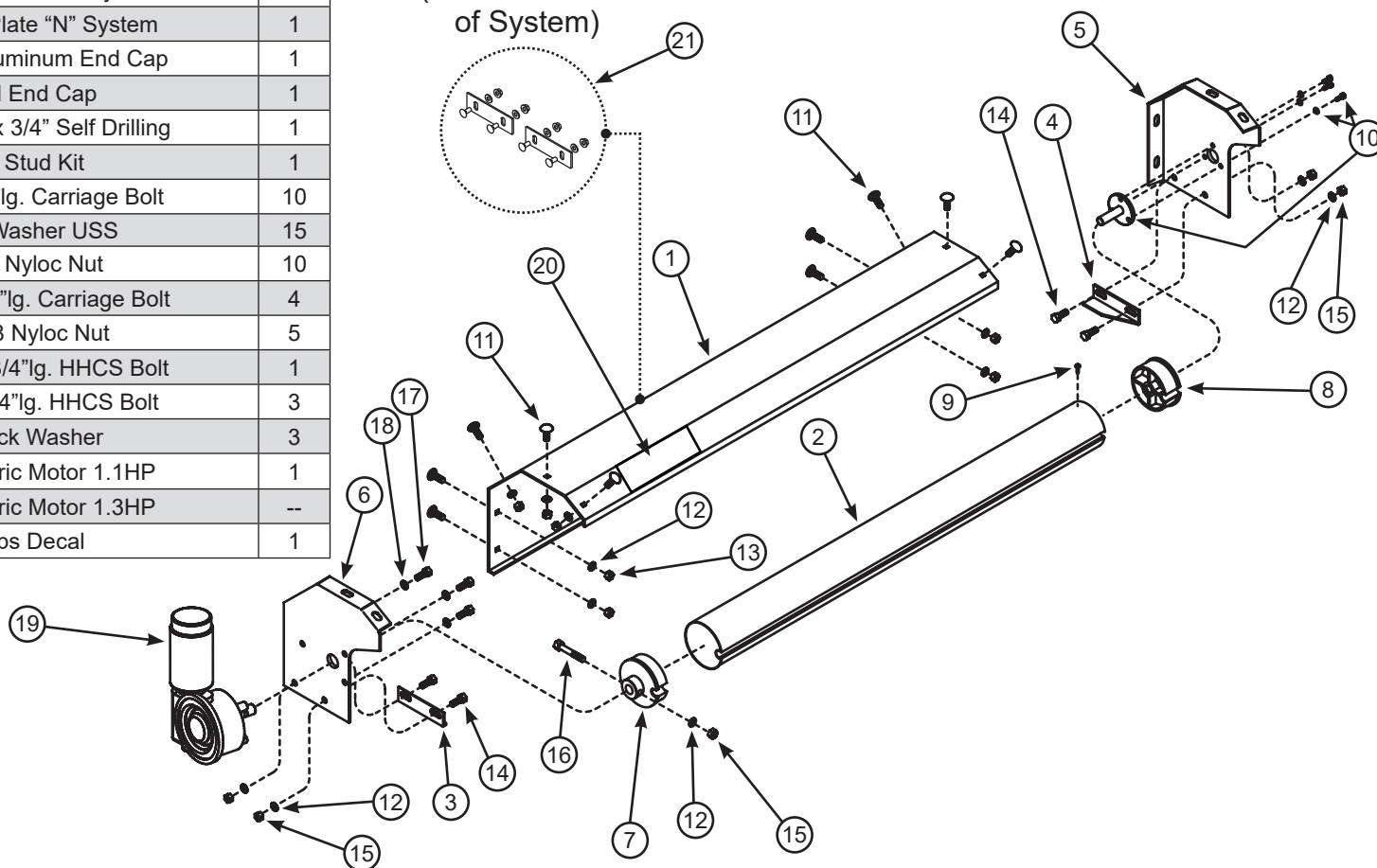
Electric Arm Housings & Automatic Arms

Steel Protector Plus Electric Arms System #217-0215

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	Steel Protector Plus Hsg. 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
3	501-152X	System Mount Bracket (Left) (Specify Steel or Aluminum)	1
4	501-152X	System Mount Bracket (Right) (Specify Steel or Aluminum)	1
5	501-0240	Right End Plate for "N" System	1
6	501-0241	Electric End Plate "N" System	1
7	501-9915	Roller Drive Aluminum End Cap	1
8	517-0102	Flanged End Cap	1
9	506-9916	Screw #8 - 18 x 3/4" Self Drilling	1
10	501-0633	Bolt-In Stud Kit	1
11	503-2505	1/4" - 20 x 3/4"lg. Carriage Bolt	10
12	505-2502	1/4" Flat Washer USS	15
13	504-2503	1/4" - 20 Nyloc Nut	10
14	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
15	504-3103	5/16" - 18 Nyloc Nut	5
16	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
17	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
18	505-3102	5/16" Lock Washer	3
19	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP	--
20	607-0061	Pulltarps Decal	1

ITEM	PART #	DESCRIPTION	QTY
21	501-06XX	Steel Protector System Hardware (Specify Steel or Aluminum)	1

(Mounts to back of System)



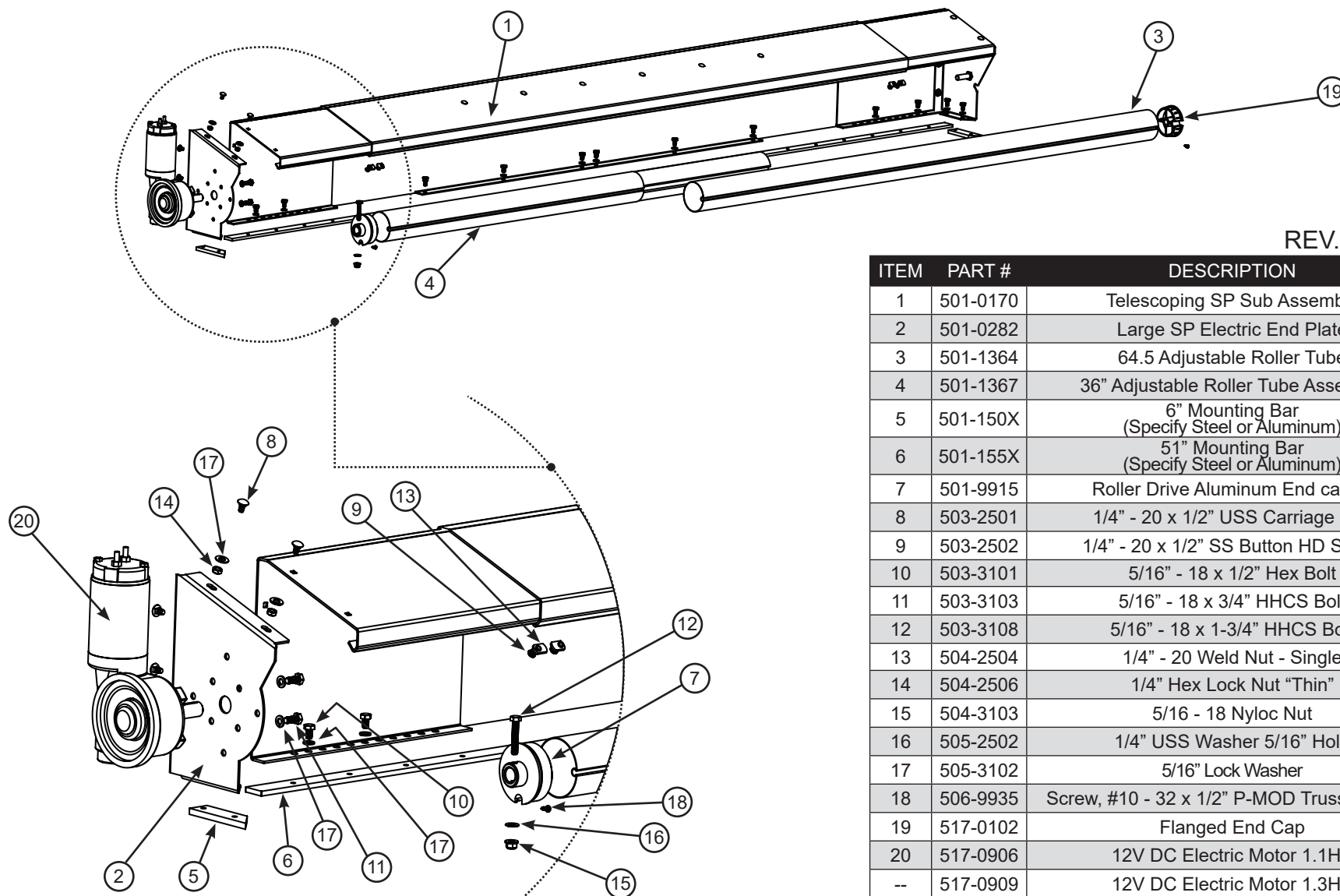
REV. 04/21/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Electric Adjustable Steel Protector #218-0215



REV.11/15/16 WLH

ITEM	PART #	DESCRIPTION	QTY
1	501-0170	Telescoping SP Sub Assembly	1
2	501-0282	Large SP Electric End Plate	1
3	501-1364	64.5 Adjustable Roller Tube	1
4	501-1367	36" Adjustable Roller Tube Assembly	1
5	501-150X	6" Mounting Bar (Specify Steel or Aluminum)	2
6	501-155X	51" Mounting Bar (Specify Steel or Aluminum)	2
7	501-9915	Roller Drive Aluminum End cap 3"	1
8	503-2501	1/4" - 20 x 1/2" USS Carriage Bolt	5
9	503-2502	1/4" - 20 x 1/2" SS Button HD Screw	4
10	503-3101	5/16" - 18 x 1/2" Hex Bolt	14
11	503-3103	5/16" - 18 x 3/4" HHCS Bolt	3
12	503-3108	5/16" - 18 x 1-3/4" HHCS Bolt	1
13	504-2504	1/4" - 20 Weld Nut - Single	4
14	504-2506	1/4" Hex Lock Nut "Thin"	5
15	504-3103	5/16 - 18 Nyloc Nut	1
16	505-2502	1/4" USS Washer 5/16" Hole	6
17	505-3102	5/16" Lock Washer	17
18	506-9935	Screw, #10 - 32 x 1/2" P-MOD Truss Self Drl.	3
19	517-0102	Flanged End Cap	1
20	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP	--

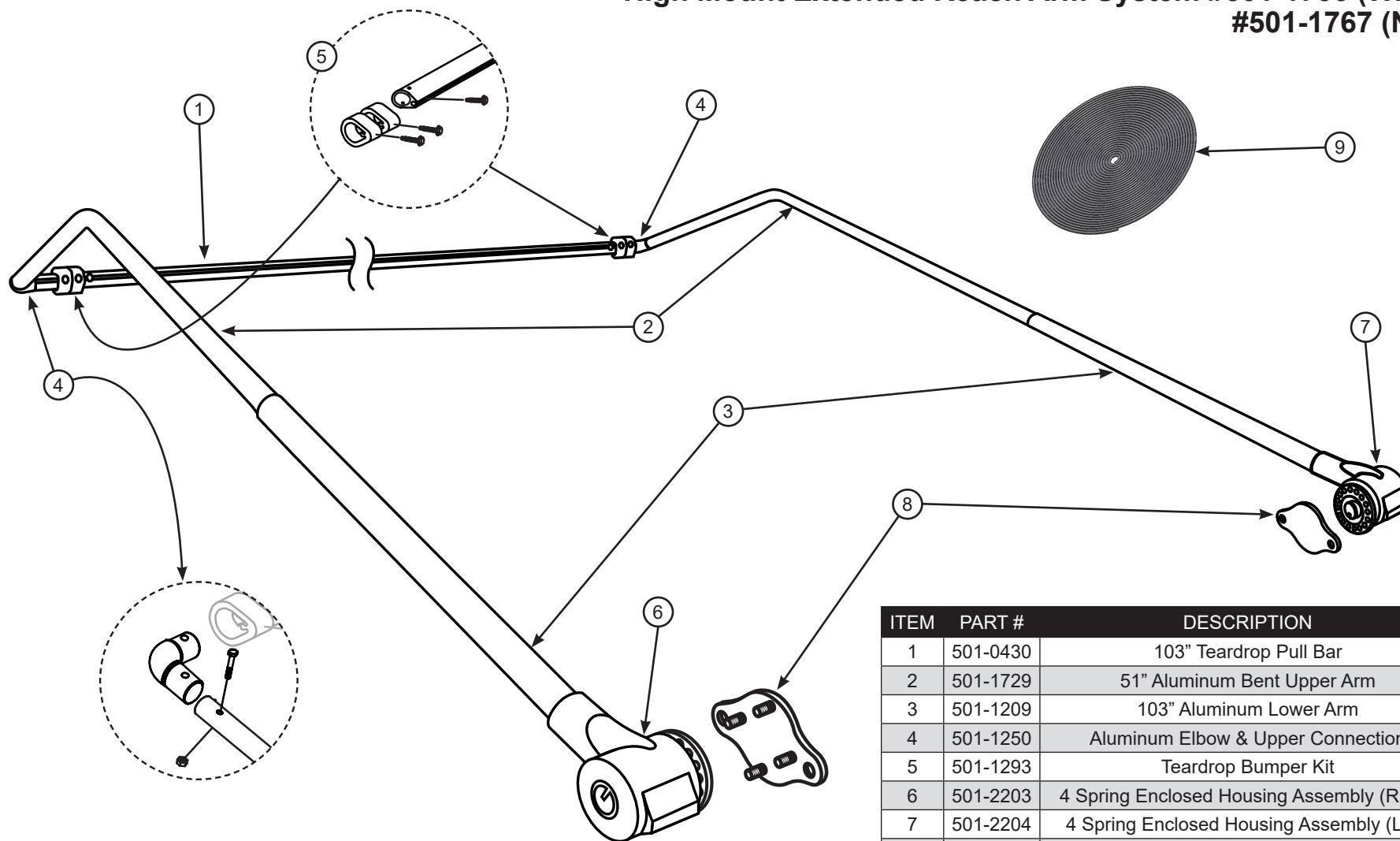
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1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

High Mount Extended Reach Arm System #501-1766 (With Wire) #501-1767 (No Wire)



ITEM	PART #	DESCRIPTION	QTY
1	501-0430	103" Teardrop Pull Bar	1
2	501-1729	51" Aluminum Bent Upper Arm	2
3	501-1209	103" Aluminum Lower Arm	2
4	501-1250	Aluminum Elbow & Upper Connection	2
5	501-1293	Teardrop Bumper Kit	1
6	501-2203	4 Spring Enclosed Housing Assembly (Right)	1
7	501-2204	4 Spring Enclosed Housing Assembly (Left)	1
8	501-2235	EZ-Mount Assembly	2
9	514-0122	6GA. Wire 80' Long (For 501-1766)	1

Illustration view shown looking from passenger side to rear of vehicle.

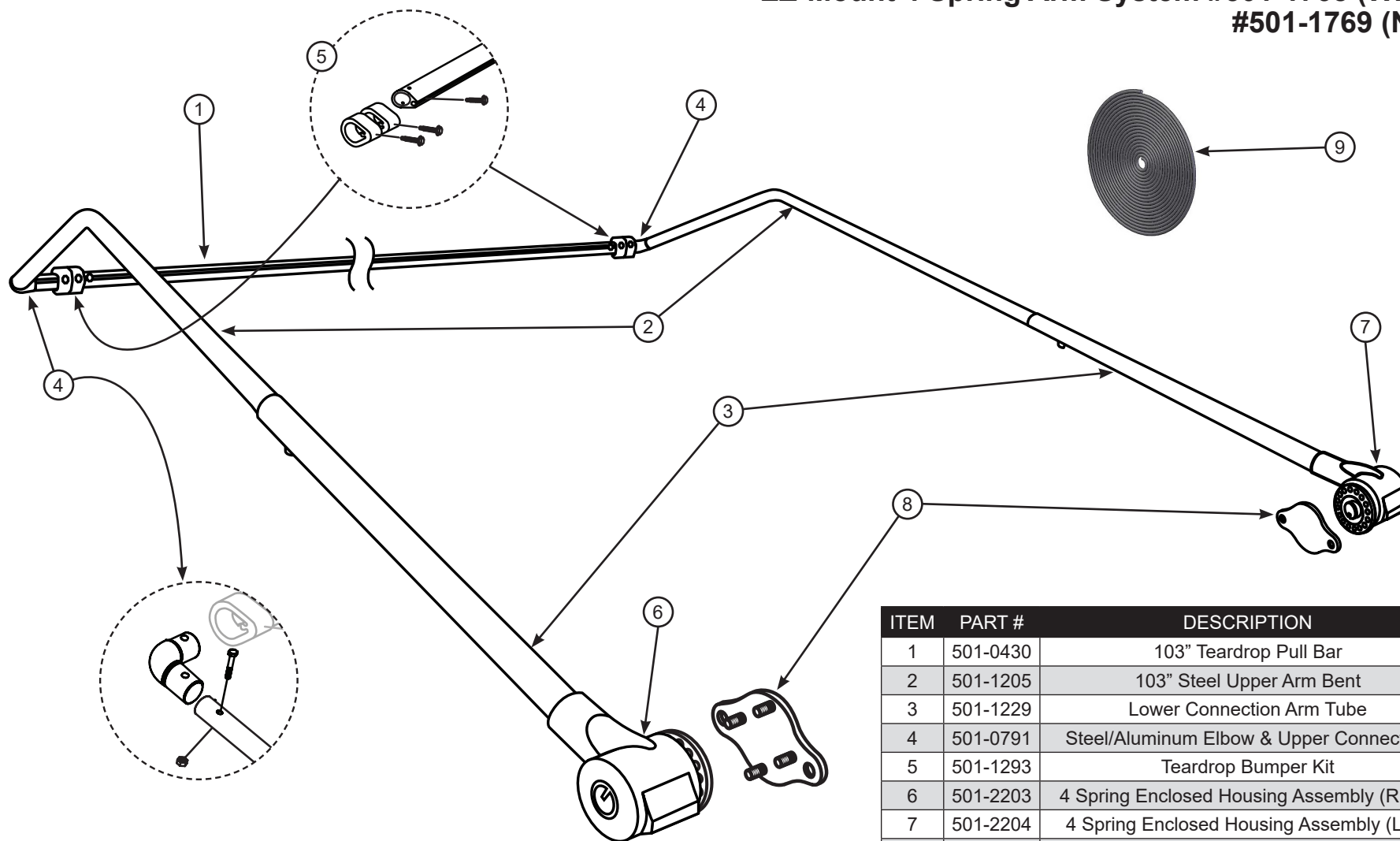
REV. 02/21/18 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

EZ-Mount 4 Spring Arm System #501-1768 (With Wire) #501-1769 (No Wire)



ITEM	PART #	DESCRIPTION	QTY
1	501-0430	103" Teardrop Pull Bar	1
2	501-1205	103" Steel Upper Arm Bent	2
3	501-1229	Lower Connection Arm Tube	2
4	501-0791	Steel/Aluminum Elbow & Upper Connection	2
5	501-1293	Teardrop Bumper Kit	1
6	501-2203	4 Spring Enclosed Housing Assembly (Right)	1
7	501-2204	4 Spring Enclosed Housing Assembly (Left)	1
8	501-2235	EZ-Mount Assembly	2
9	514-0121	6GA. Wire 70' Long (For 501-1768)	1

Illustration view shown looking from passenger side to rear of vehicle.

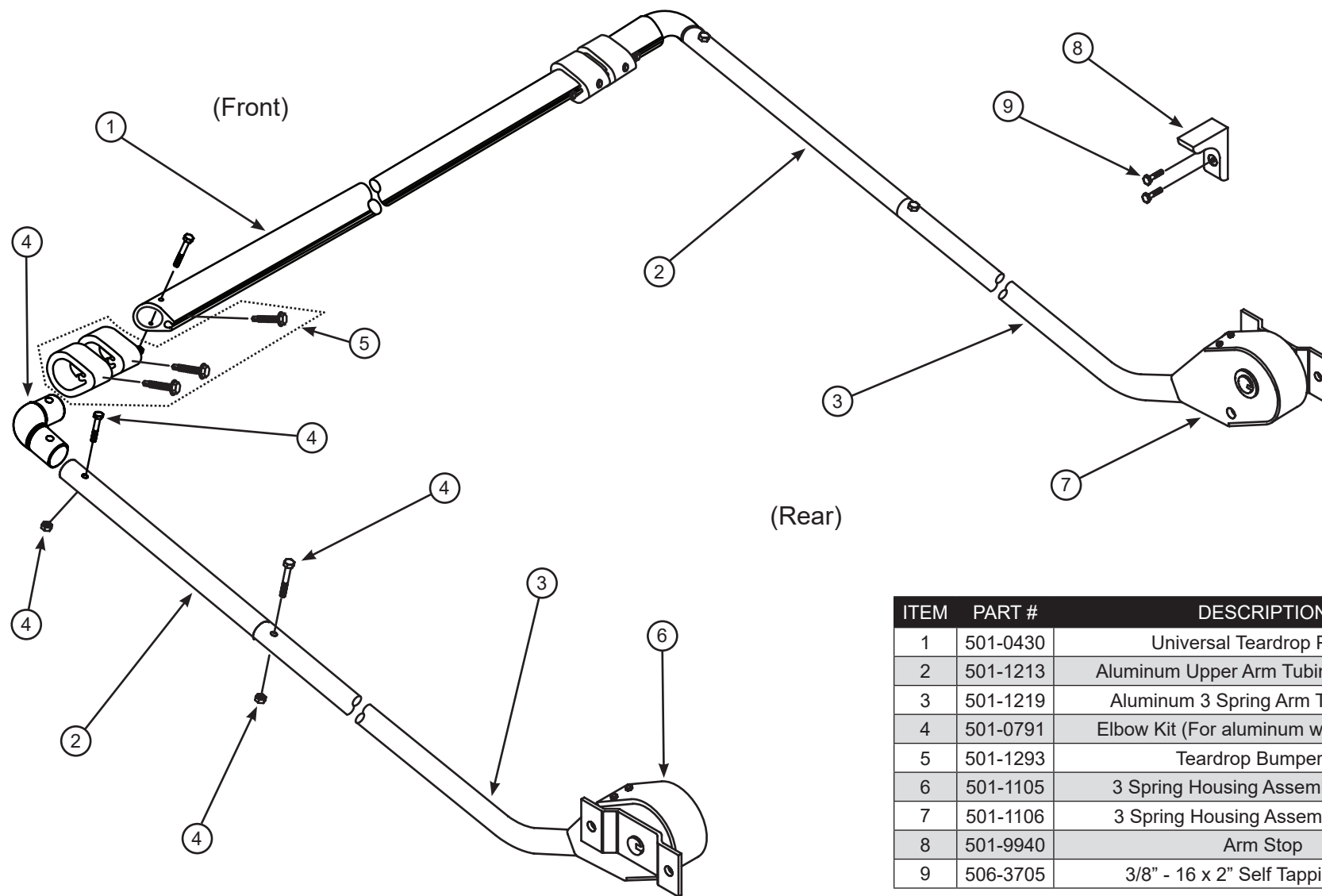
REV. 12/21/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Rear Transfer Inside Arm System #501-1780



ITEM	PART #	DESCRIPTION	QTY
1	501-0430	Universal Teardrop Pullrod	1
2	501-1213	Aluminum Upper Arm Tubing, 51-3/8"lg.	2
3	501-1219	Aluminum 3 Spring Arm Tube, 55"lg.	2
4	501-0791	Elbow Kit (For aluminum with Teardrop)	2
5	501-1293	Teardrop Bumper Kit	1
6	501-1105	3 Spring Housing Assembly (Driver)	1
7	501-1106	3 Spring Housing Assembly (Pass.)	1
8	501-9940	Arm Stop	2
9	506-3705	3/8" - 16 x 2" Self Tapping Screw	4

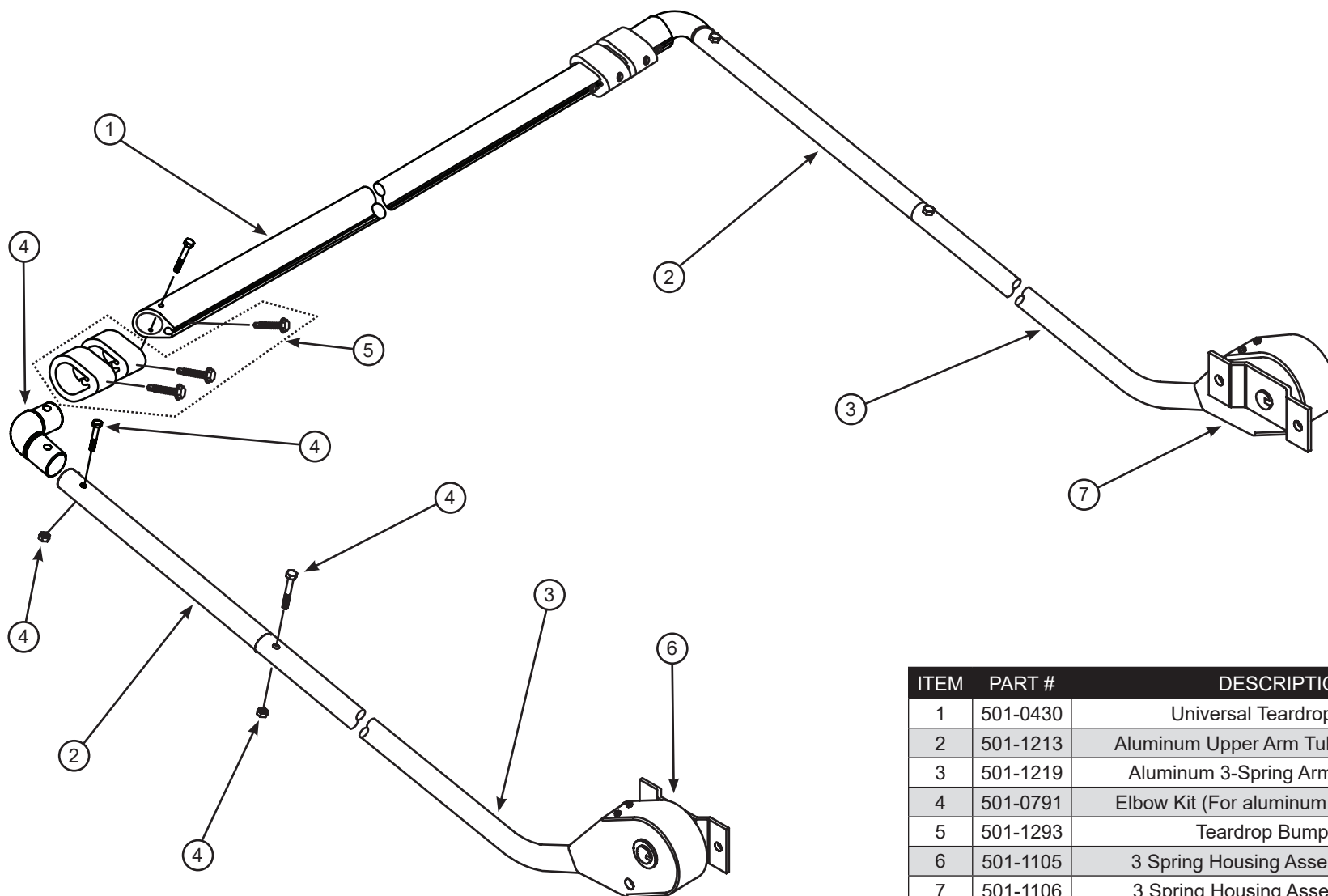
REV. 10/21/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

High Mount Arm System #501-1781



ITEM	PART #	DESCRIPTION	QTY
1	501-0430	Universal Teardrop Pullrod	1
2	501-1213	Aluminum Upper Arm Tubing, 51-3/8"lg.	2
3	501-1219	Aluminum 3-Spring Arm Tube, 55"lg.	2
4	501-0791	Elbow Kit (For aluminum with Teardrop)	2
5	501-1293	Teardrop Bumper Kit	1
6	501-1105	3 Spring Housing Assembly (Driver)	1
7	501-1106	3 Spring Housing Assembly (Pass.)	1

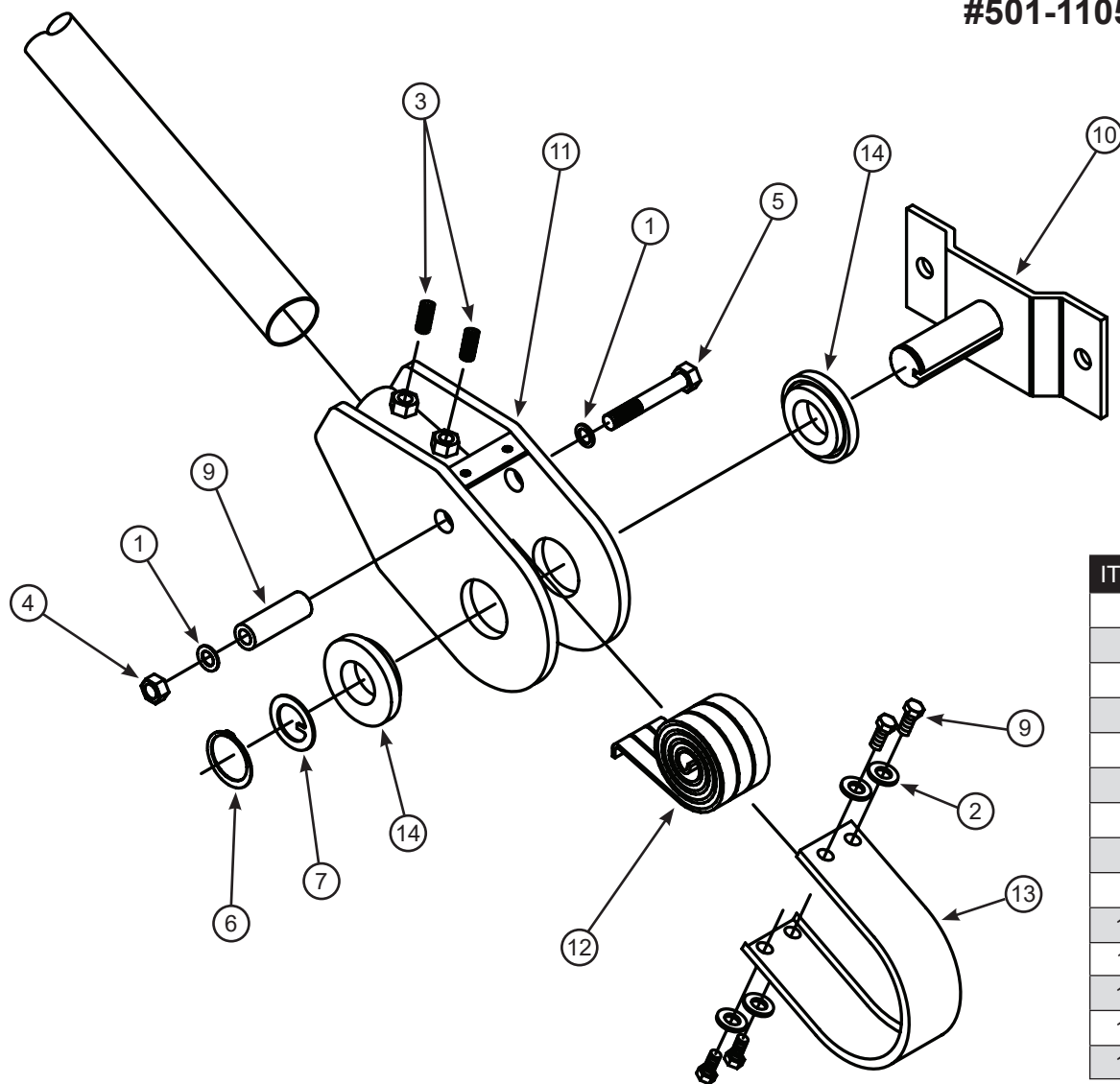
REV. 10/21/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Inside Transfer / Hight Mount 3 Spring Housing Assembly #501-1105 (Driver-Opposite), 501-1106 (Pass.-Shown)



ITEM	PART #	DESCRIPTION	QTY
1	505-5001	1/2" AN Flat Washer	2
2	505-2502	1/4" Flat Washer USS	4
3	503-5008	1/2" - 13 x 3/4" Set Screw	2
4	504-5004	1/2" - 13 Nyloc Nut	1
5	503-5011	1/2" - 13 x 3-1/4"lg. HHCS Bolt	1
6	506-0101	1-1/4" Snap Ring	1
7	505-9904	Washer, W/Tang 1-7/8"	1
8	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	4
9	501-1158	Spring Connection - Arm System	1
10	501-1123	Pivot Assembly Inside Tran.	1
11	501-1109	Spring Side Plate Assembly	1
12	517-9921	Small Spring for Arm System	3
13	501-1151	Arm Dust Cover	1
14	501-1155	UHMW Pivot Retainer 2-1/2" Dia.	2

REV. 10/13/16 WLH

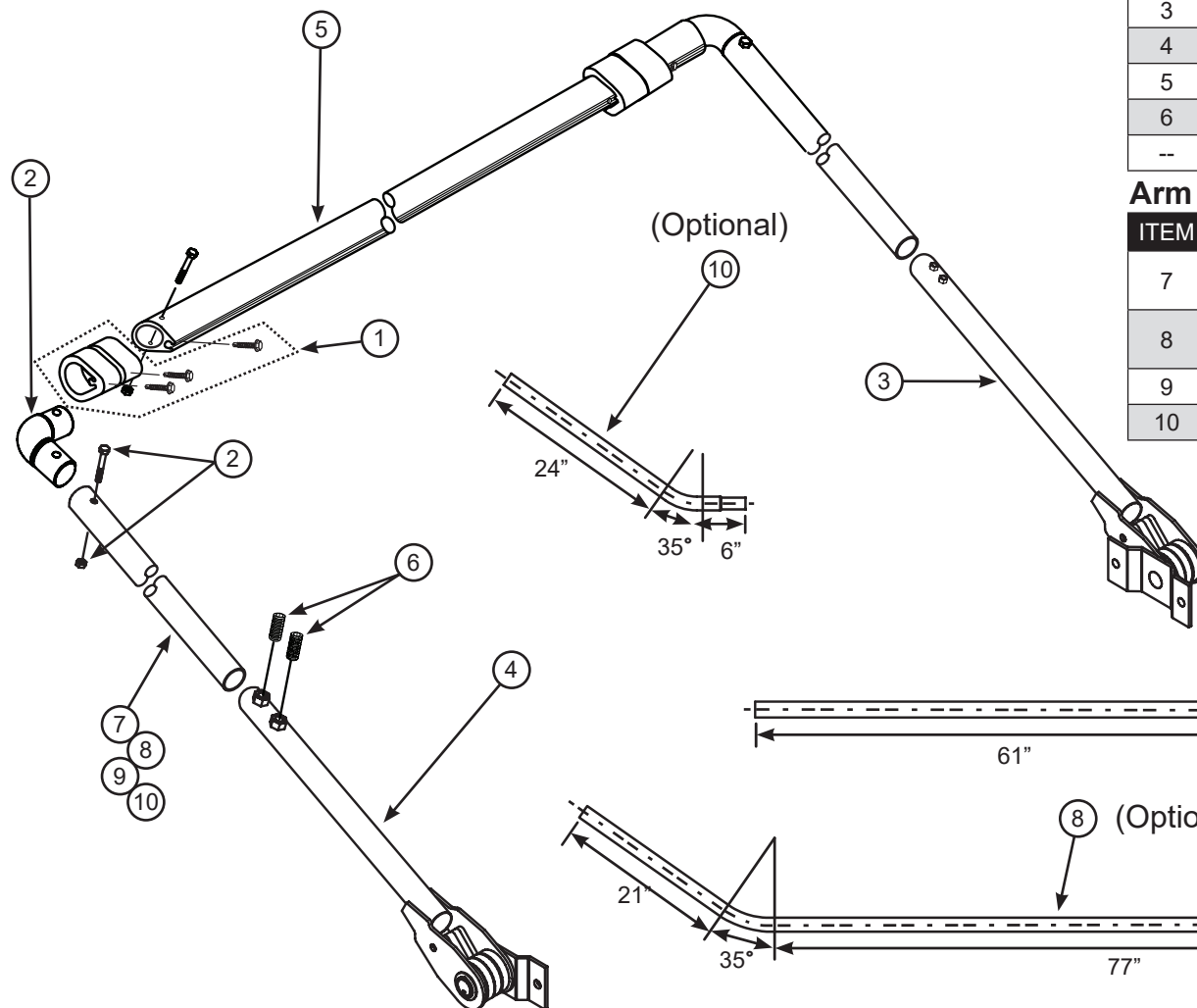


1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Steel Arms to 22' #501-0749, 501-0782

(Illustration view shown looking from Passenger Side to Rear of Vehicle.)

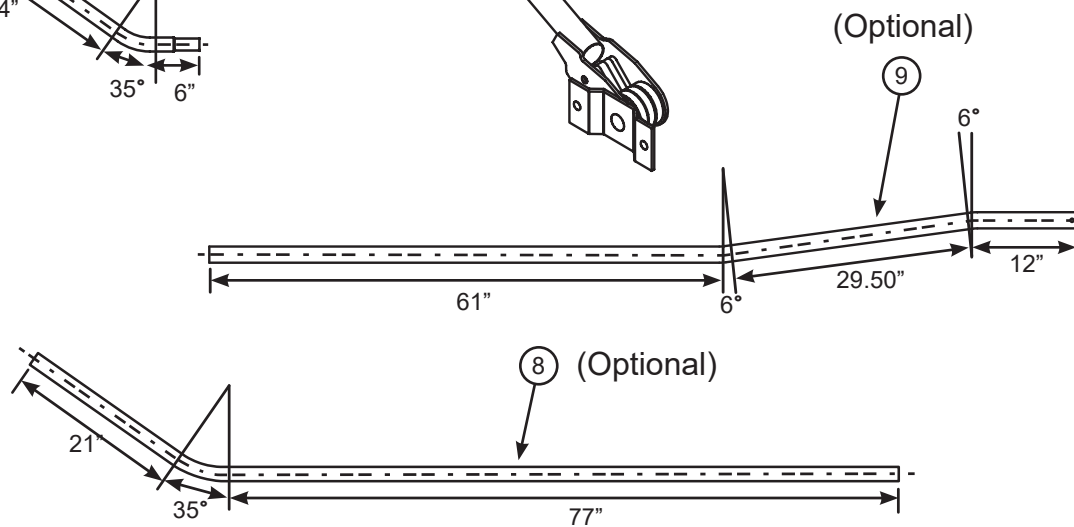


ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-1251	Elbow Kit (For Steel)	1
3	501-1103	4 Spring Housing (Driver Side)	1
4	501-1104	4 Spring Housing (Pass. Side)	1
5	501-0430	Universal Teardrop Pullrod	1
6	506-5008	1/2" - 13 x 3/4"lg. Set Screw	4
--	514-0120	6 Ga. Electric Wire	60'

Arm Options

ITEM	PART #	DESCRIPTION	QTY
7	501-1202	Steel Upper Arm Tubing (Included in 501-0782)	2
8	501-1205	Upper Arm Tubing, Drilled and Bent (Included in 501-0749)	2
9	501-1207	Offset Upper Arm Tube	2
10	501-1230	Upper Arm Extension, Bent-35°	2

REV. 01/03/17 WLH



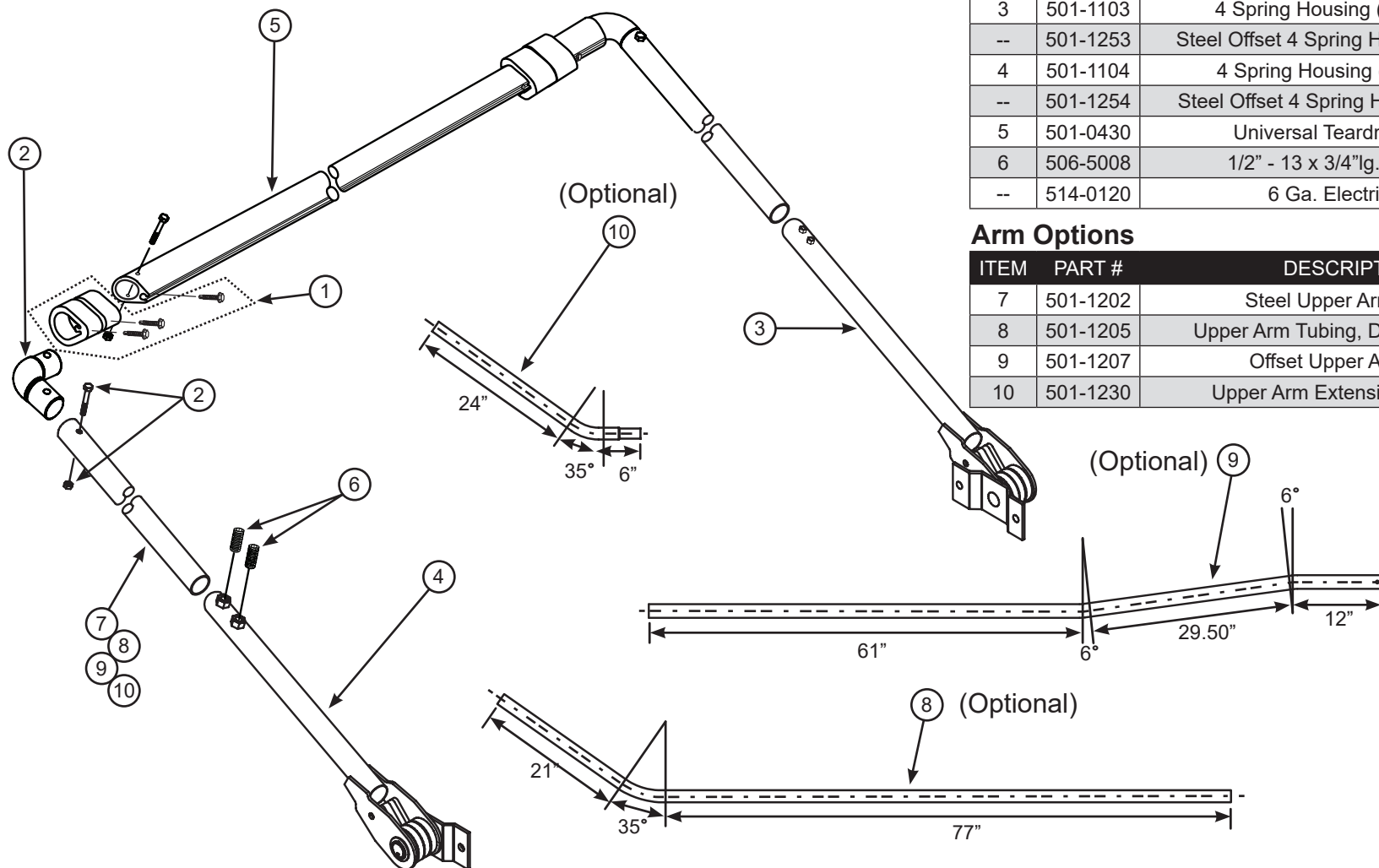


1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Steel Arms to 22' #501-0750, 501-0751

(Illustration view shown looking from Passenger Side to Rear of Vehicle.)



ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-1251	Elbow Kit (For Steel)	1
3	501-1103	4 Spring Housing (Driver Side)	1
--	501-1253	Steel Offset 4 Spring Hsg. (Driver Side)	1
4	501-1104	4 Spring Housing (Pass. Side)	1
--	501-1254	Steel Offset 4 Spring Hsg. (Pass. Side)	1
5	501-0430	Universal Teardrop Pullrod	1
6	506-5008	1/2" - 13 x 3/4"lg. Set Screw	4
--	514-0120	6 Ga. Electric Wire	60'

Arm Options

ITEM	PART #	DESCRIPTION	QTY
7	501-1202	Steel Upper Arm Tubing	2
8	501-1205	Upper Arm Tubing, Drilled and Bent	2
9	501-1207	Offset Upper Arm Tube	2
10	501-1230	Upper Arm Extension, Bent-35°	2

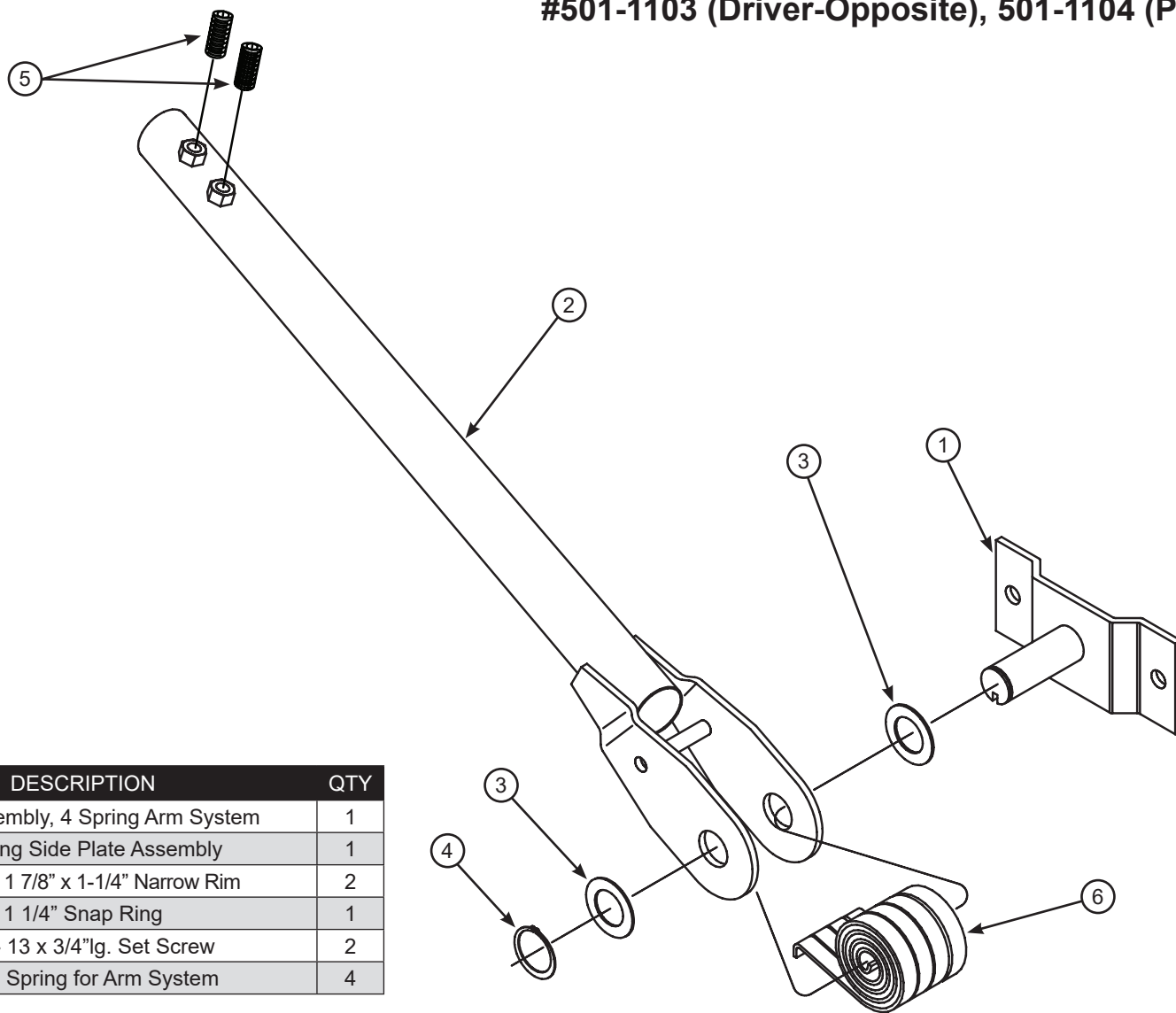
REV. 01/03/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

4 Spring Housing Assembly #501-1103 (Driver-Opposite), 501-1104 (Pass.-Shown)



ITEM	PART #	DESCRIPTION	QTY
1	501-1121	Pivot Assembly, 4 Spring Arm System	1
2	501-1110	4 Spring Side Plate Assembly	1
3	501-1162	Washer, 1 7/8" x 1-1/4" Narrow Rim	2
4	506-0101	1 1/4" Snap Ring	1
5	503-5008	1/2" - 13 x 3/4"lg. Set Screw	2
6	517-9921	Small Spring for Arm System	4

REV. 10/13/16 WLH

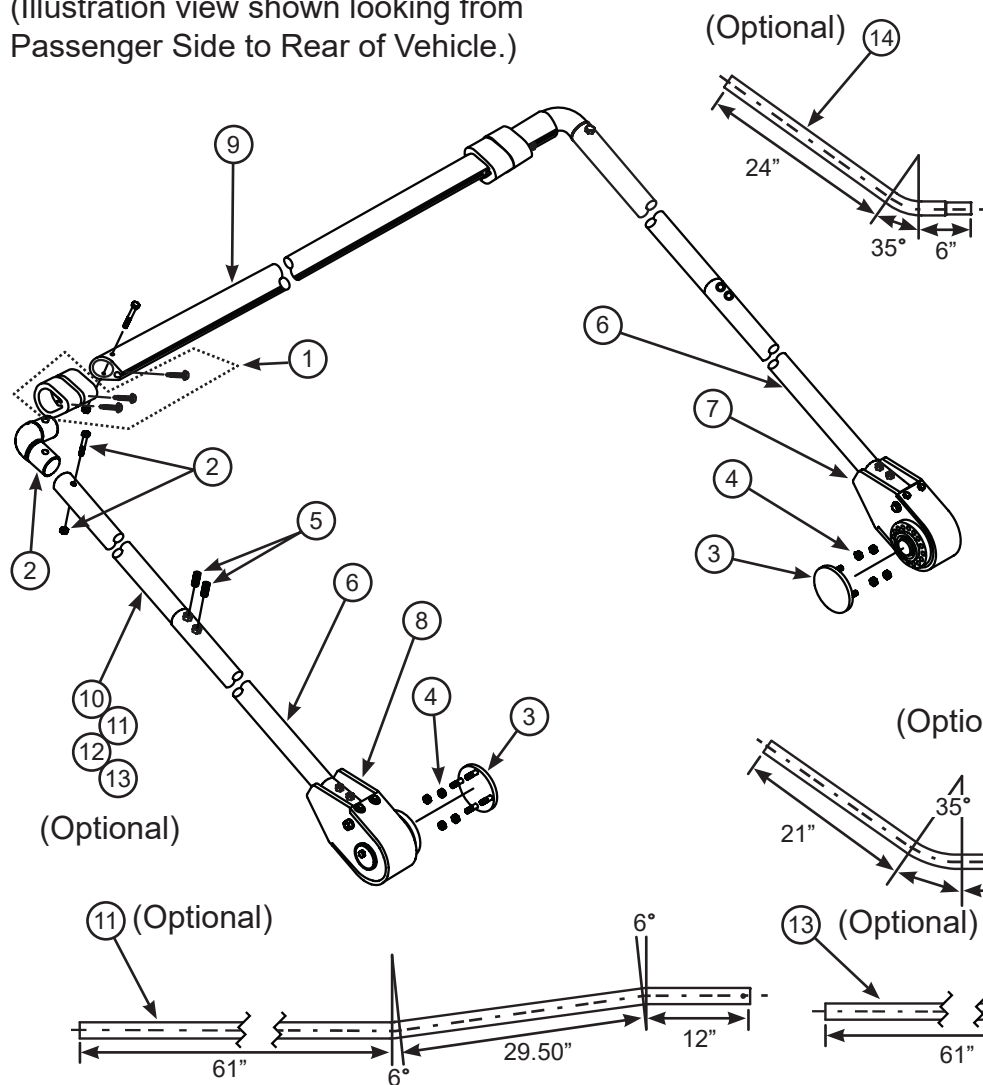


1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Single Spring Pivots with Steel Arms #501-0713, 501-1763

(Illustration view shown looking from Passenger Side to Rear of Vehicle.)

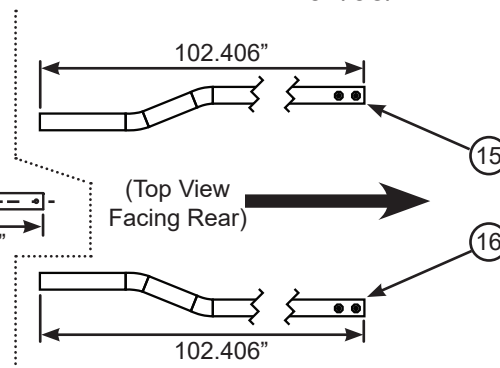


ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-1251	Elbow Kit (For Steel)	1
3	501-2237	4" Arm Adaptor Plate Assembly	2
4	504-3705	3/8" - 16 Nyloc Nut (Thin)	8
5	506-5008	1/2" - 13 x 3/4"lg. Set Screw	4
6	501-1201	Lower Arm with Nuts	2
7	501-1101	Single Spring Housing (Driver)	1
8	501-1102	Single Spring Housing (Passenger)	1
9	501-0430	Universal Teardrop Pullbar	1
--	514-0213	6Ga. Electric Wire	90'

Arm Options

ITEM	PART #	DESCRIPTION	QTY
10	501-1202	Steel Upper Arm Tubing	2
11	501-1204	Offset Upper Arm Tube	2
12	501-1205	Upper Arm Tubing, Drilled and Bent	2
13	501-1207	Offset Upper Arm Tube	2
14	501-1230	Upper Arm Extension, Bent-35°	2
15	501-1243	Right Offset Lower Arm Tube	1
16	501-1244	Left Offset Lower Arm Tube	1

REV. 01/03/17 WLH



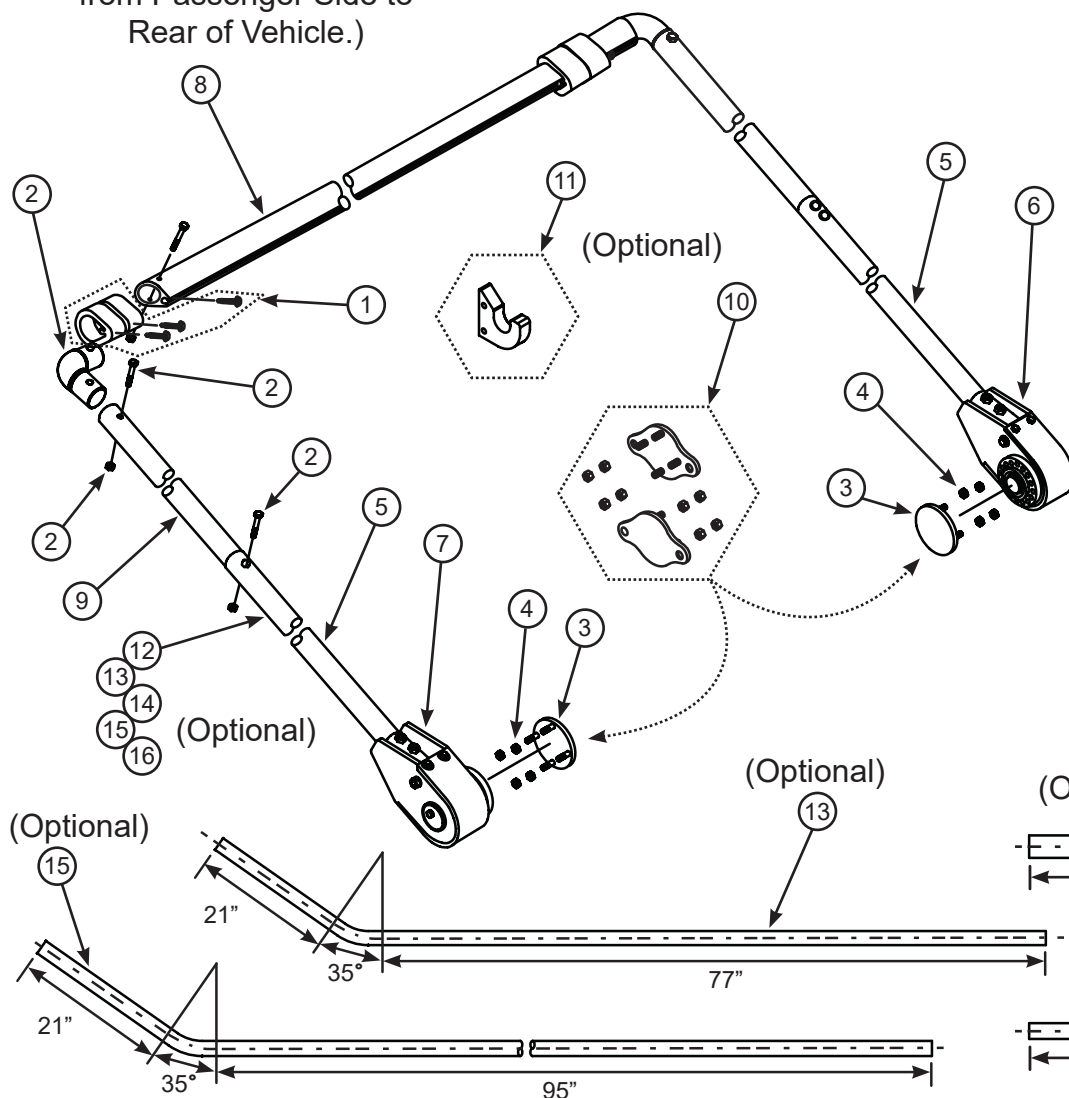


1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Single Spring Pivots w/Aluminum Arms #501-0714, 501-0731, 501-1764, 501-1765 (No Wire) #501-0764, 501-0765, 501-0785, 501-0786 (With Wire 90' & 100')

(Illustration view shown looking
from Passenger Side to
Rear of Vehicle.)

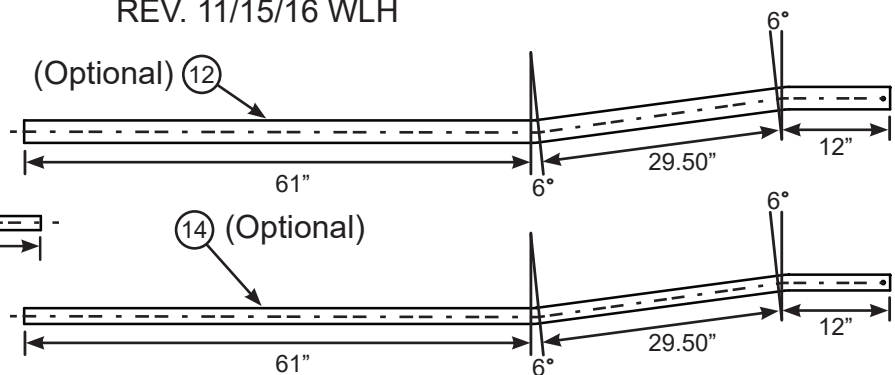


ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-0791	Elbow Kit (For Alum. with Teardrop)	1
3	501-2237	4" Arm Adaptor Plate Assembly	2
4	504-3705	3/8" - 16 Nyloc Nut (Thin)	8
5	501-1209	Aluminum Lower Arm Tube	2
6	501-1101	Single Spring Housing (Driver)	1
7	501-1102	Single Spring Housing (Passenger)	1
8	501-0430	Universal Teardrop Pullbar	1

Options

ITEM	PART #	DESCRIPTION	QTY
9	501-1211	Aluminum Upper Arm or Pullrod	2
10	501-2235	Retrofit for EZ Mnt. (For bolting to Alum. Bodies)	2
11	501-1247	Arm Catcher Assembly (Optional)	1
12	501-1210	Aluminum Lower Offset Arm Tube	2
13	501-1214	Upper Arm Tubing, Drilled and Bent	2
14	501-1215	Aluminum Offset Upper Arm Tube	2
15	501-1216	Aluminum Upper Arm Tube Bent - 10'	2
16	501-1212	Aluminum Upper Arm Tube - 10'	2

REV. 11/15/16 WLH



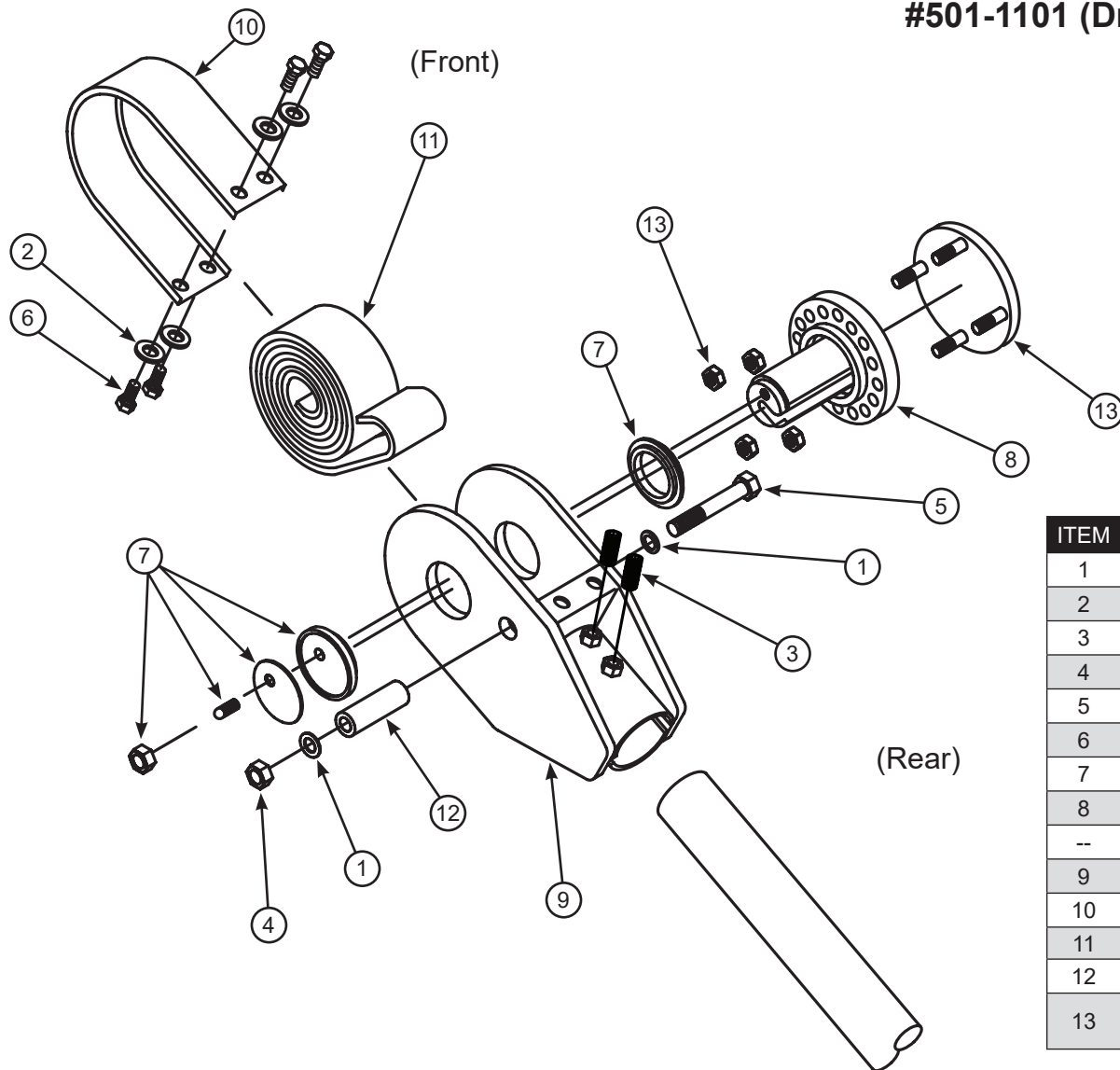
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1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Single Spring Housing Assembly #501-1101 (Driver-Shown), #501-1102 (Pass.-Opposite)



ITEM	PART #	DESCRIPTION	QTY
1	505-5001	1/2" AN Flat Washer	2
2	505-2502	1/4" Flat Washer USS	4
3	506-5008	1/2" - 13 x 3/4" Set Screw	2
4	504-5004	1/2" - 13 Nyloc Nut	1
5	503-5011	1/2" - 13 x 3-1/4"lg. HHCS Bolt	1
6	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	4
7	501-1181	Bushing Kit	1
8	501-1119	Pivot Assembly (Driver)	1
--	501-1120	Pivot Assembly (Passenger-Not Shown)	1
9	501-1109	Spring Side Plate Assembly	1
10	501-1151	Arm Dust Cover	1
11	501-1156	Rolled Spring Assembly with Strip	1
12	501-1158	Spring Connection (Arm System)	1
13	501-2237	4" Arm Adaptor Plate Assembly (Not part of Kit - Must be ordered separately.)	1

REV. 10/13/16 WLH

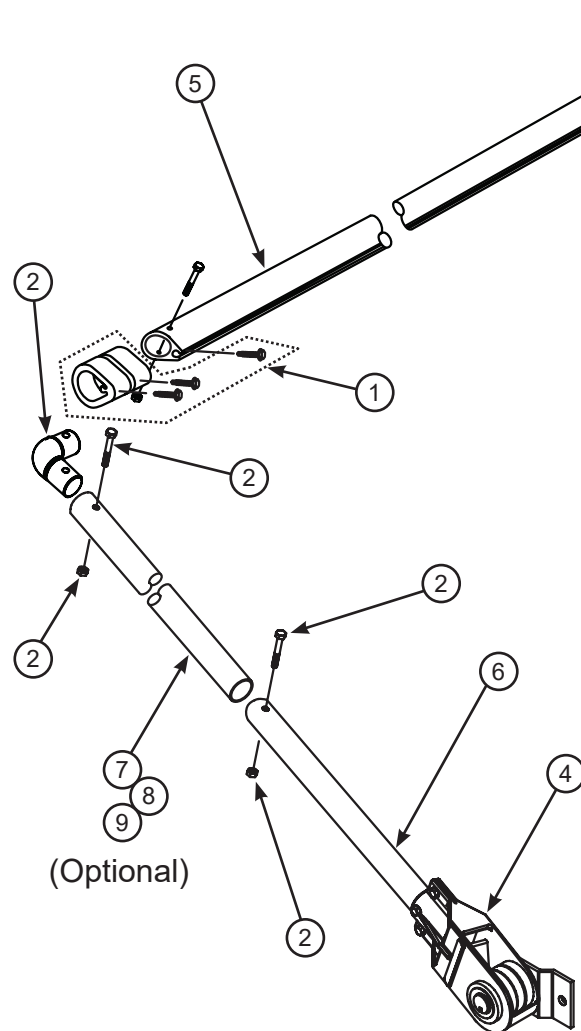


1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Aluminum Arms to 22" #501-0710, 501-1752

(Illustration view shown looking from Passenger Side to Rear of Vehicle.)

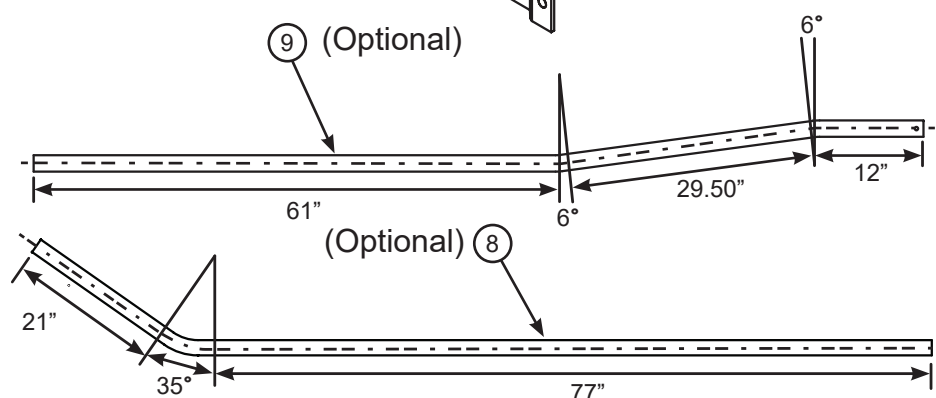


ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-1251	Elbow Kit (For Steel)	1
3	501-1107	4 Spring Housing (Driver Side)	1
4	501-1108	4 Spring Housing (Pass. Side)	1
5	501-0430	Universal Teardrop Pullrod	1
6	501-1217	Aluminum Lower Arm Tube	2

Arm Options

ITEM	PART #	DESCRIPTION	QTY
7	501-1211	Steel Upper Arm Tubing	2
8	501-1214	Upper Arm Tubing, Drilled and Bent	2
9	501-1215	Offset Upper Arm Tube	2

REV. 10/26/16 WLH

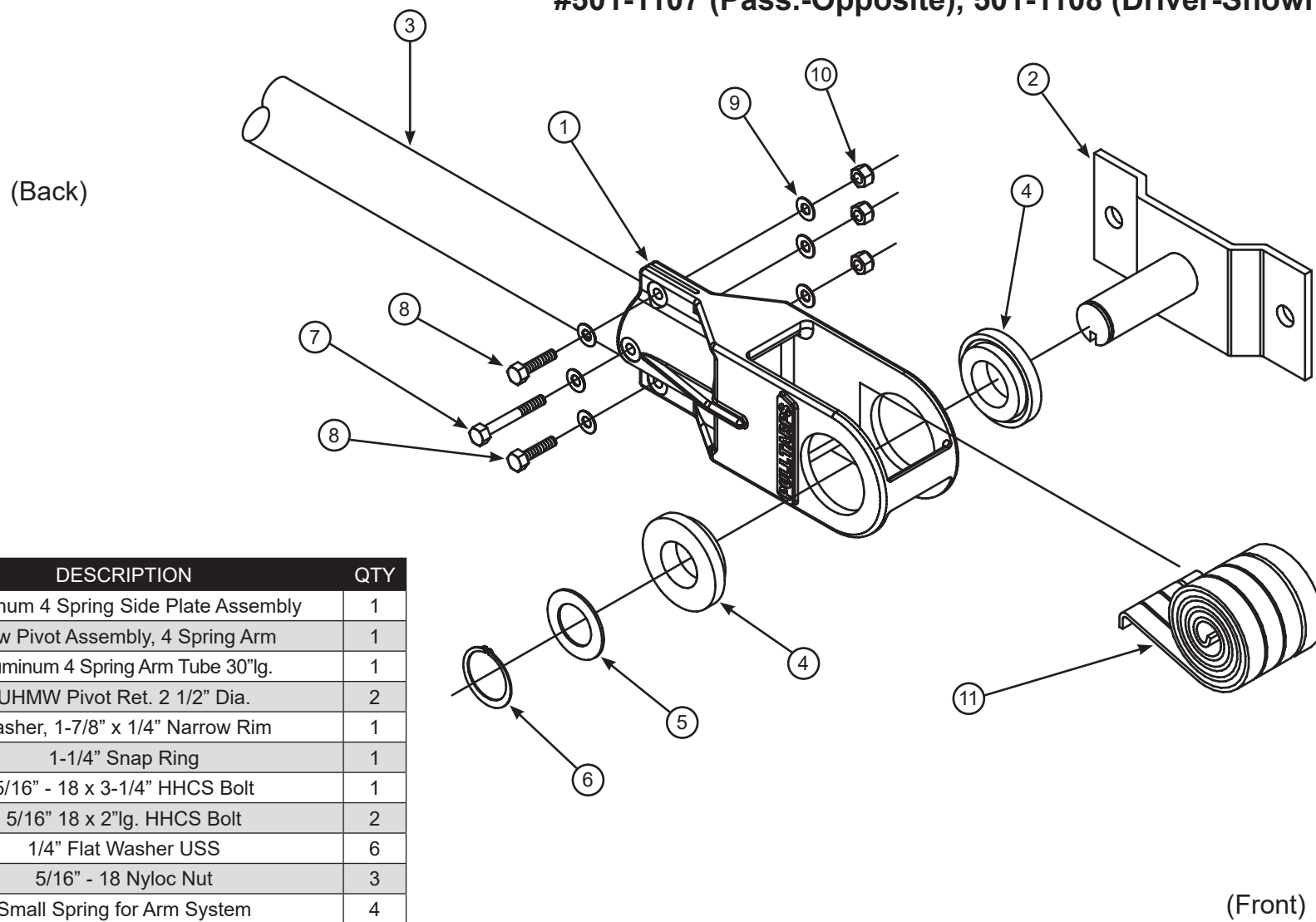




1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Aluminum 4 Spring Housing Assembly #501-1107 (Pass.-Opposite), 501-1108 (Driver-Shown)



ITEM	PART #	DESCRIPTION	QTY
1	501-1111	Aluminum 4 Spring Side Plate Assembly	1
2	501-1122	New Pivot Assembly, 4 Spring Arm	1
3	501-1217	Aluminum 4 Spring Arm Tube 30"lg.	1
4	501-1155	UHMW Pivot Ret. 2 1/2" Dia.	2
5	501-1162	Washer, 1-7/8" x 1/4" Narrow Rim	1
6	506-0101	1-1/4" Snap Ring	1
7	503-3114	5/16" - 18 x 3-1/4" HHCS Bolt	1
8	503-3109	5/16" 18 x 2"lg. HHCS Bolt	2
9	505-2502	1/4" Flat Washer USS	6
10	504-3103	5/16" - 18 Nyloc Nut	3
11	517-9921	Small Spring for Arm System	4

REV. 02/22/08 KJH

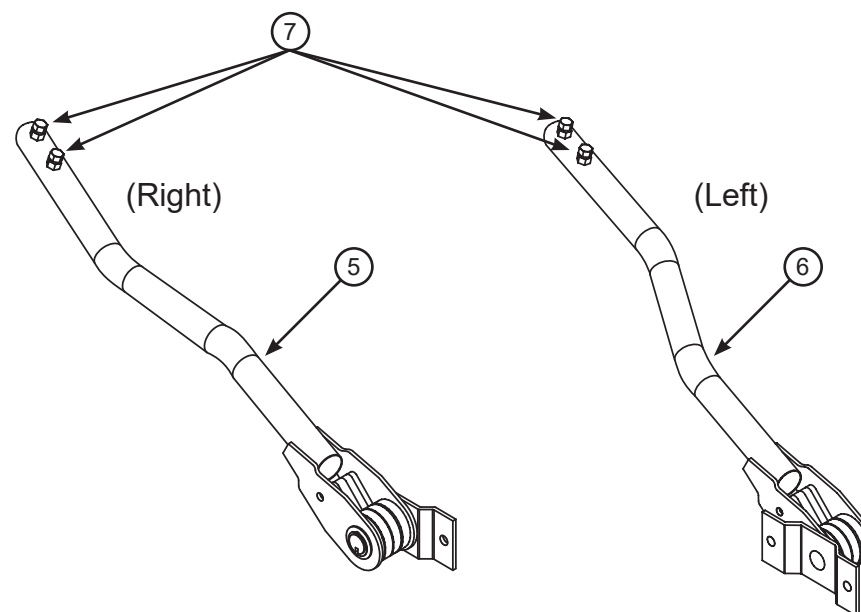
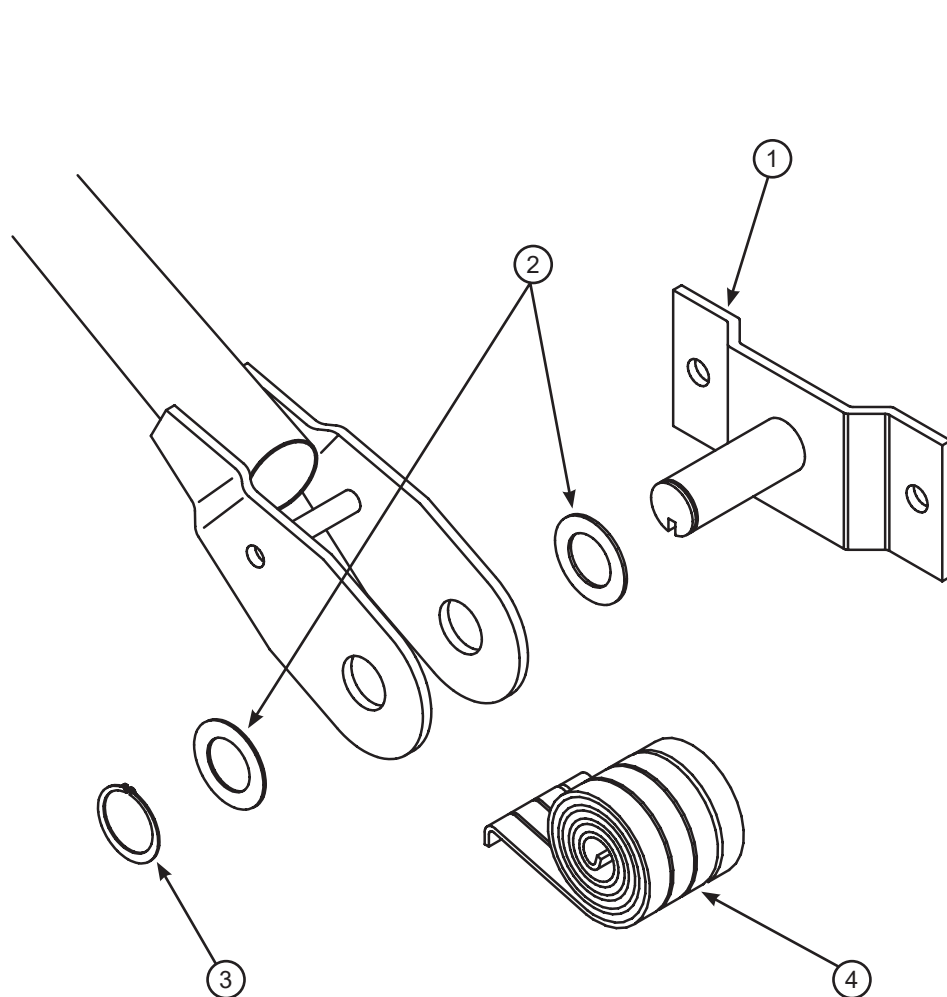
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1404 N. Marshall Ave. El Cajon CA. 92020

Electric Arm Housings & Automatic Arms

Steel Offset 4 Spring Housing #501-1253 (Right), 501-1254 (Left)



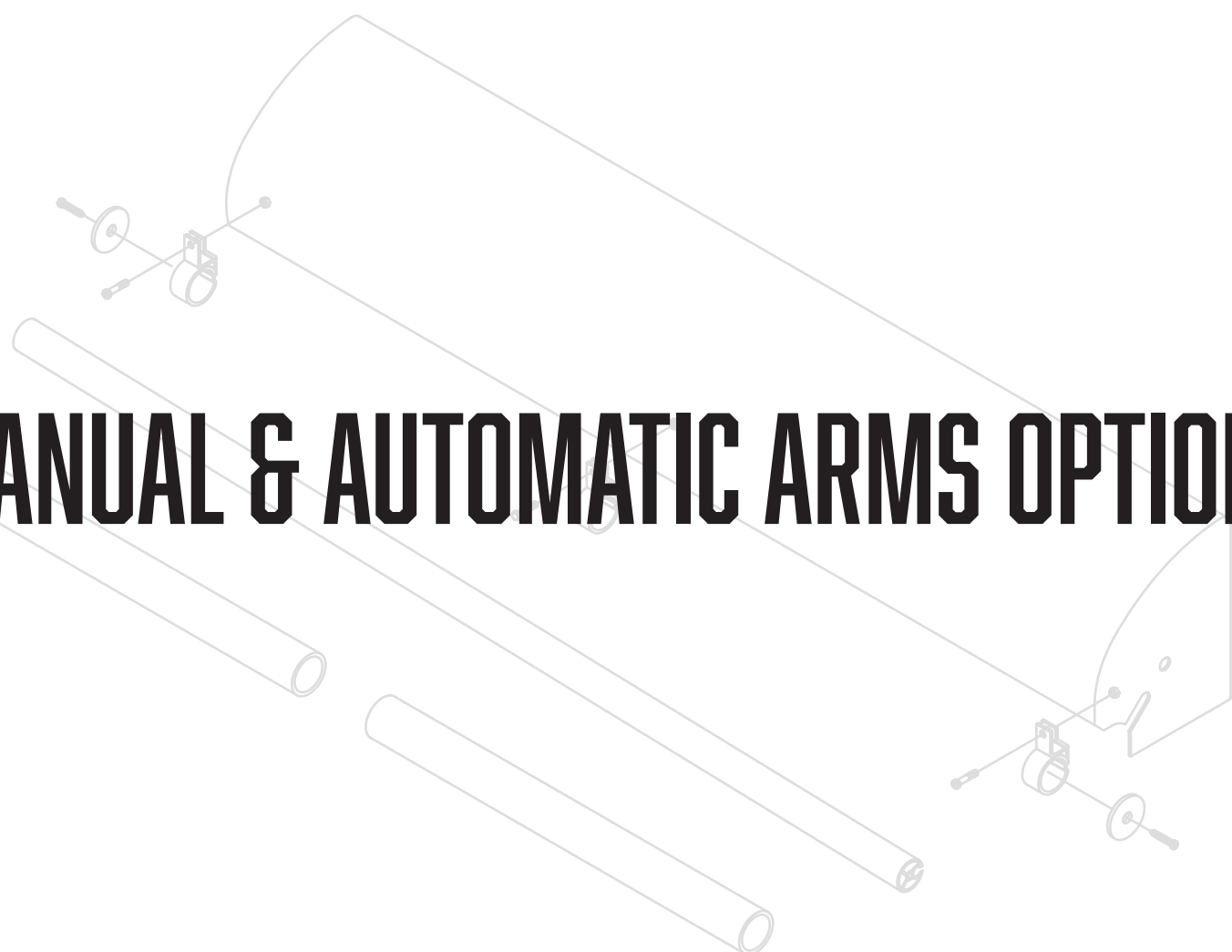
ITEM	PART #	DESCRIPTION	QTY
1	501-1121	Pivot 4 Spring Assembly (Right)	1
--	--	Pivot 4 Spring Assembly (Left)	1
2	501-1162	Washer 1-7/8" x 1-1/4" Narrow Rim (Right)	2
--	--	Washer 1-7/8" x 1-1/4" Narrow Rim (Left)	2
3	506-0101	1-1/4" Snap Ring (Right)	1
--	--	1-1/4" Snap Ring (Left)	1
4	517-9921	Small Spring for Arm System (Right)	4
--	--	Small Spring for Arm System (Left)	4
5	501-1256	4 Spring Side Plate Assembly (Right)	1
6	501-1259	4 Spring Side Plate Assembly (Left)	1
7	506-5008	1/2" - 13 x 3/4" Set Screw (Right)	2
--	--	1/2" - 13 x 3/4" Set Screw (Left)	2

REV. 12/15/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Manual & Automatic Arms Options

A technical line drawing of various components for manual and automatic arms. It includes several long, thin cylindrical tubes of different lengths, and two sets of mechanical assemblies. Each assembly consists of a circular base plate with a central pivot point, a horizontal arm, and a vertical support structure. The drawing is rendered in a light grey line style.

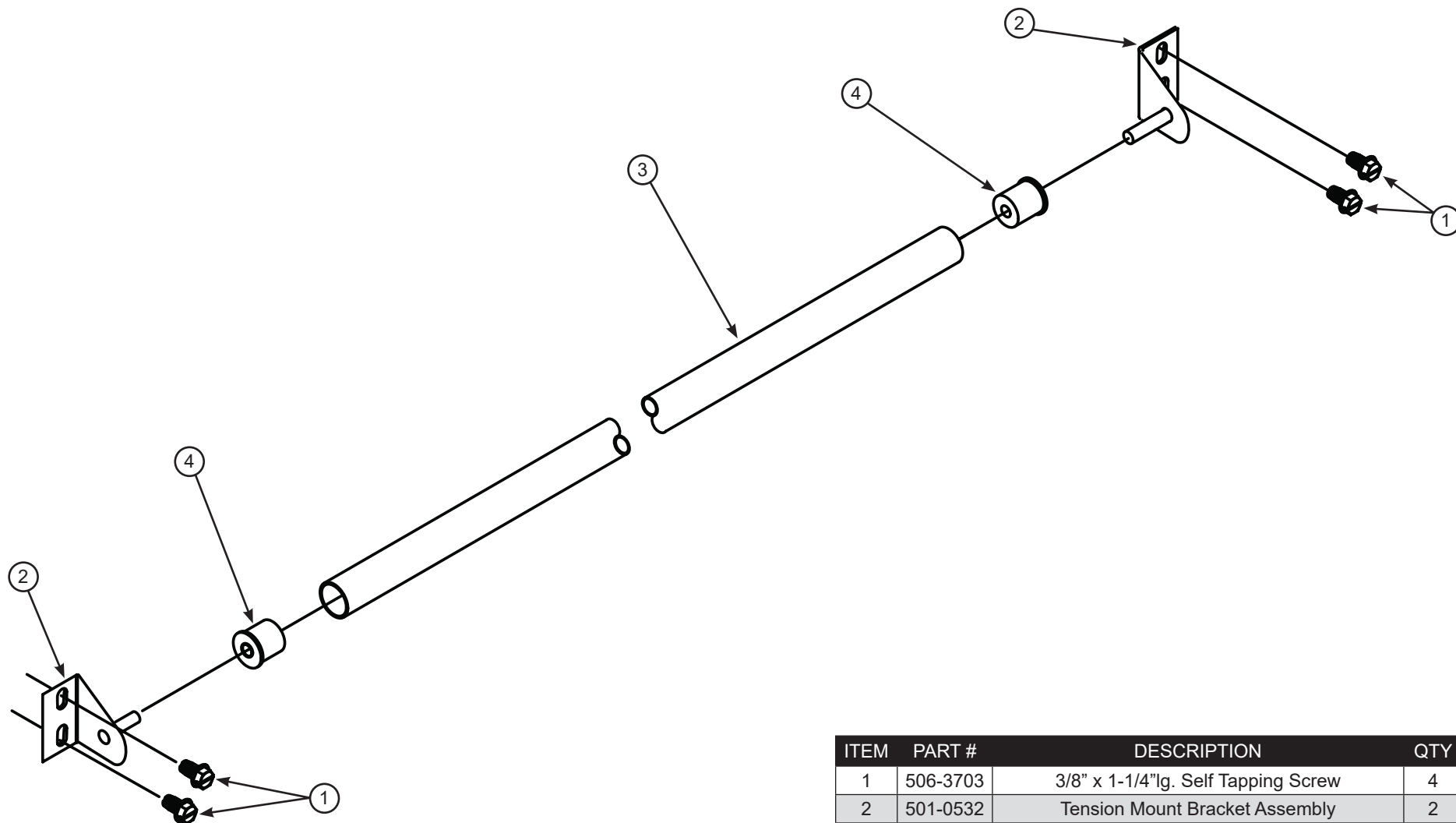
MANUAL & AUTOMATIC ARMS OPTIONS



1404 N. Marshall Ave. El Cajon CA. 92020

Manual & Automatic Arms Options

Tarp Tamer # 501-0701



ITEM	PART #	DESCRIPTION	QTY
1	506-3703	3/8" x 1-1/4"lg. Self Tapping Screw	4
2	501-0532	Tension Mount Bracket Assembly	2
3	517-0323	Tubing, Galv. 1.66" x .083w x 103"lg.	1
4	501-9939	UHMW Bushing, Tarp Tamer	2

REV. 03/11/10 NB

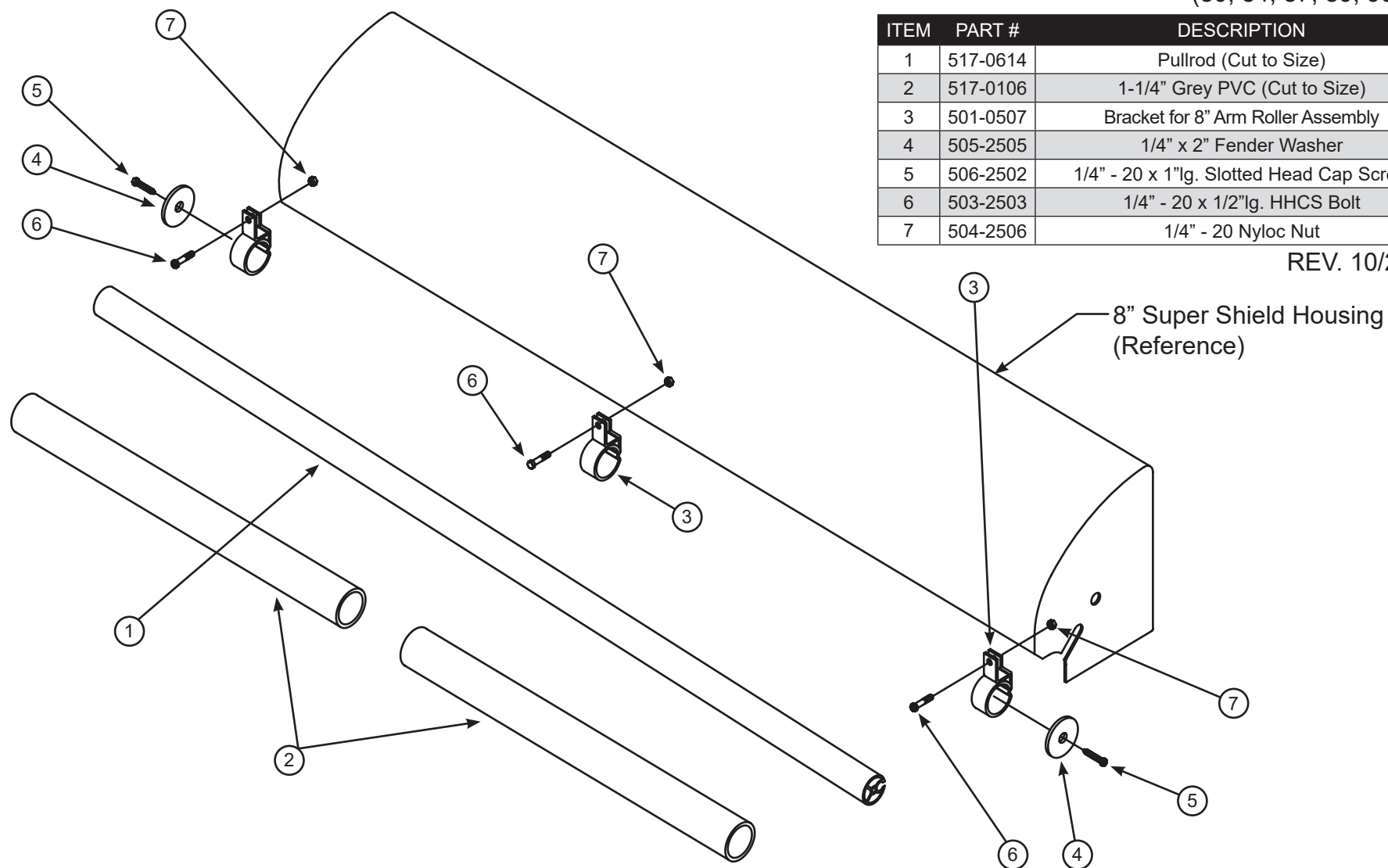


1404 N. Marshall Ave. El Cajon CA. 92020

Manual & Automatic Arms Options

S8 Roller Conversion #501-070X

(80, 84, 87, 89, 93, 96, 100")



ITEM	PART #	DESCRIPTION	QTY
1	517-0614	Pullrod (Cut to Size)	1
2	517-0106	1-1/4" Grey PVC (Cut to Size)	2
3	501-0507	Bracket for 8" Arm Roller Assembly	3
4	505-2505	1/4" x 2" Fender Washer	2
5	506-2502	1/4" - 20 x 1"lg. Slotted Head Cap Screw	2
6	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
7	504-2506	1/4" - 20 Nyloc Nut	3

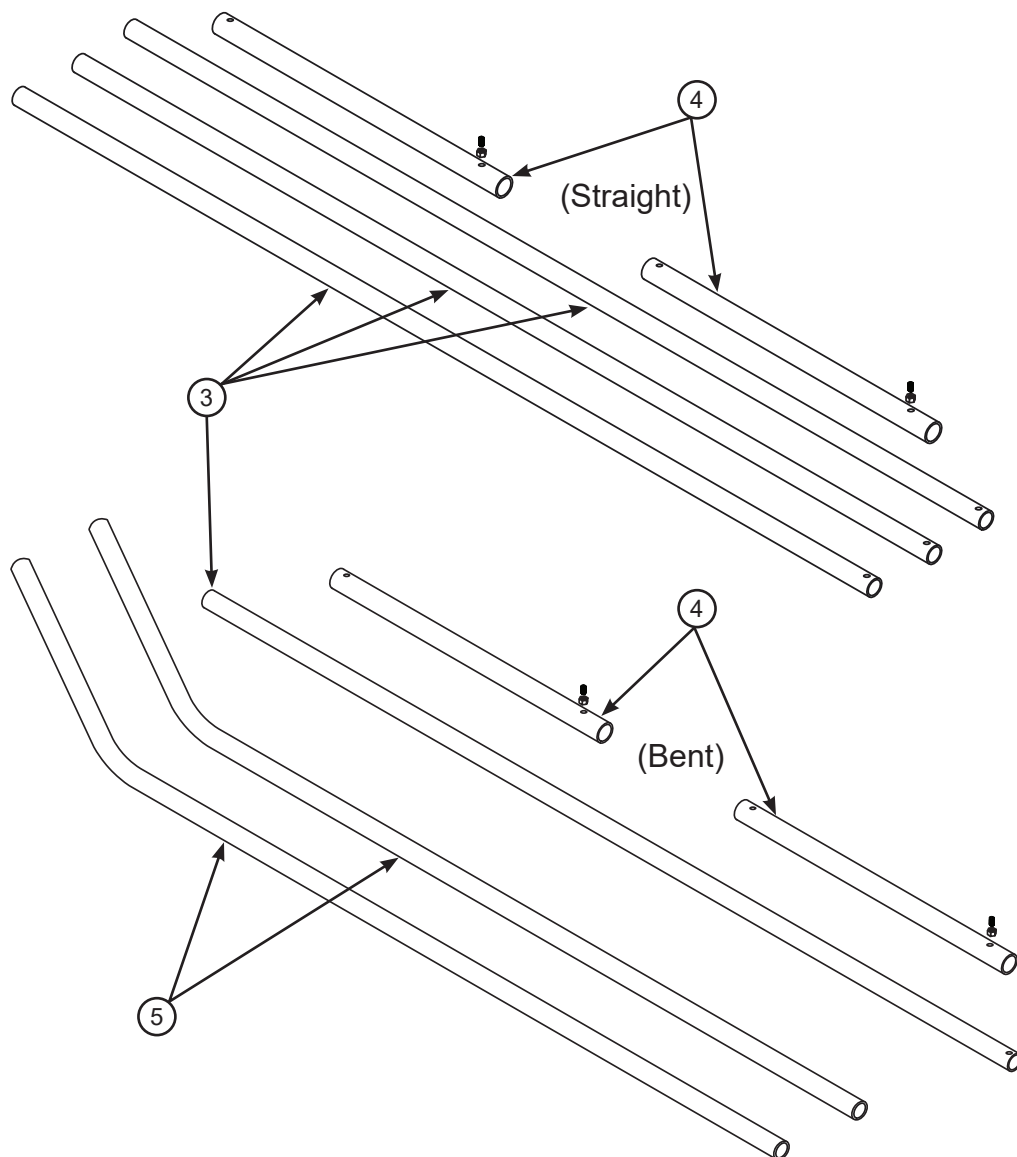
REV. 10/24/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Manual & Automatic Arms Options

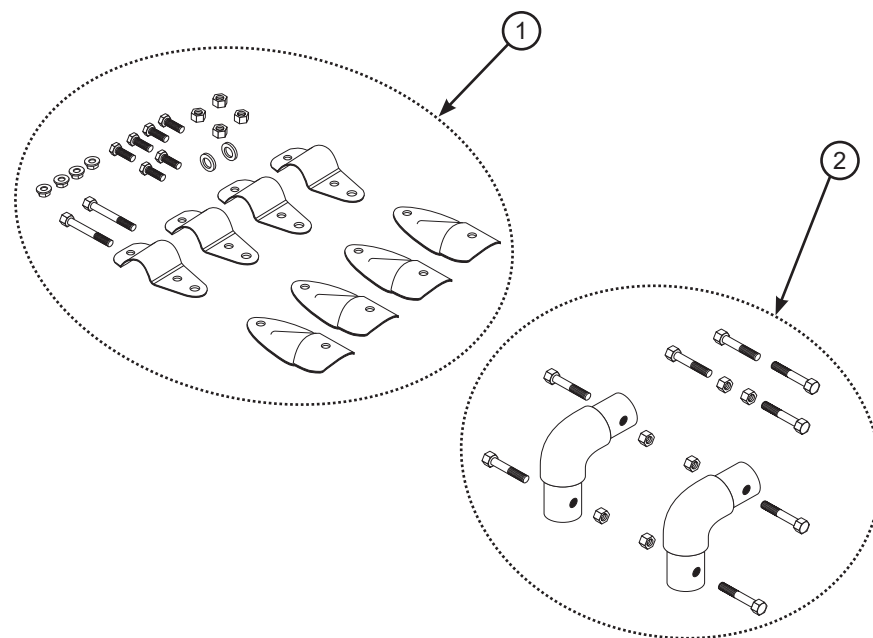
Tarp Tamer Bow to 21' Steel #501-1800 (Straight), #501-1801 (Bent)



Straight & Bent

ITEM	PART #	DESCRIPTION	QTY
1	501-0796	Tarp Tamer Bow Hardware Kit (Straight)	1
--	--	Tarp Tamer Bow Hardware Kit (Bent)	1
2	501-1251	Elbow & Upper Conn. Hardware (Straight) - Steel	1
--	--	Elbow & Upper Conn. Hardware (Bent) - Steel	1
3	501-1202	Steel Upper Arm Tubing (Straight) - Drilled	3
--	--	Steel Upper Arm Tubing (Bent) - Drilled	1
4	501-1229	Lower Connection Arm Tube (Straight) - 34.25"	2
--	--	Lower Connection Arm Tube (Bent) - 34.25"	2
5	501-1205	Upper Arm Tubing (Bent) - Drilled	2

REV. 12/19/16 WLH

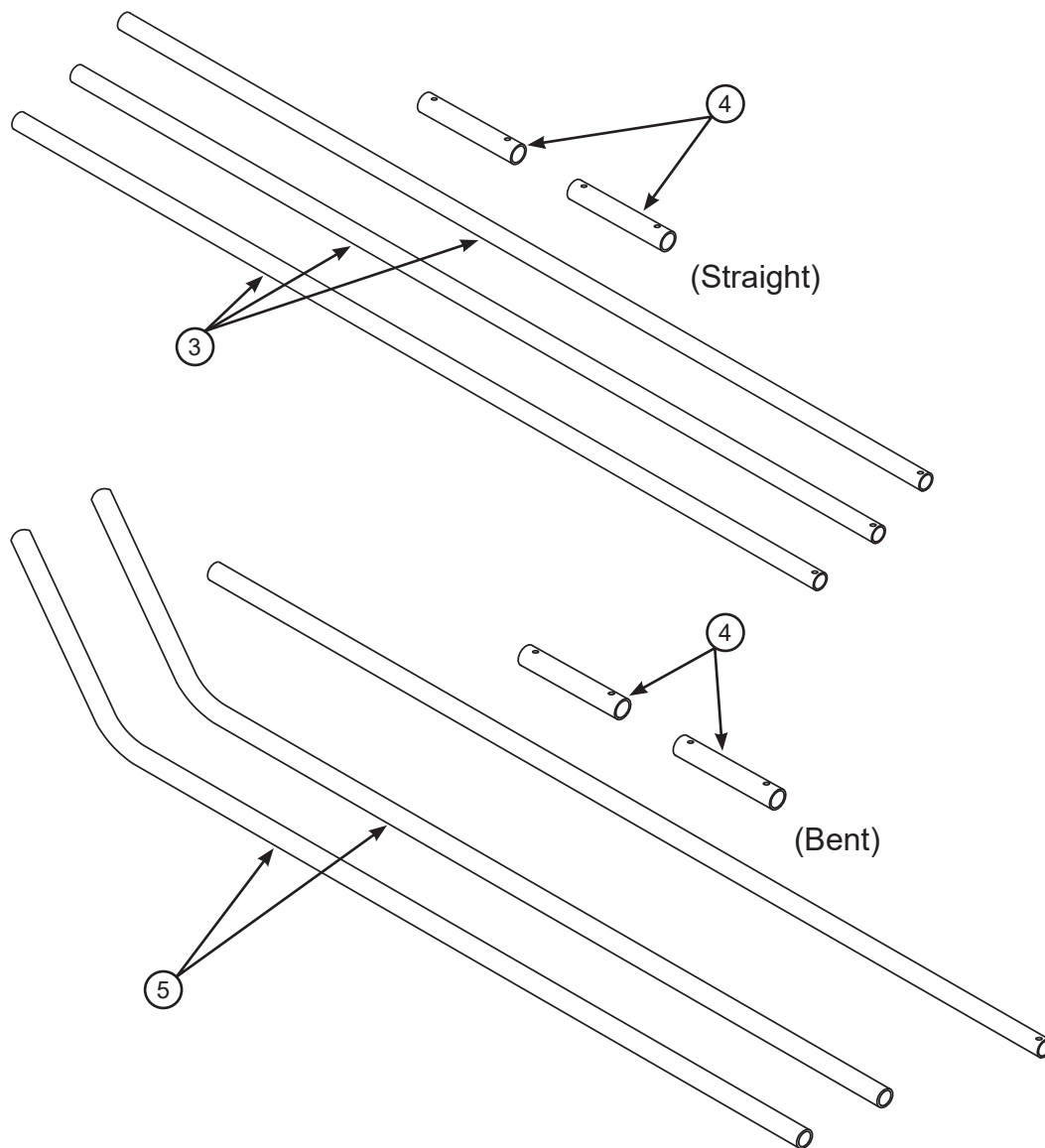




1404 N. Marshall Ave. El Cajon CA. 92020

Manual & Automatic Arms Options

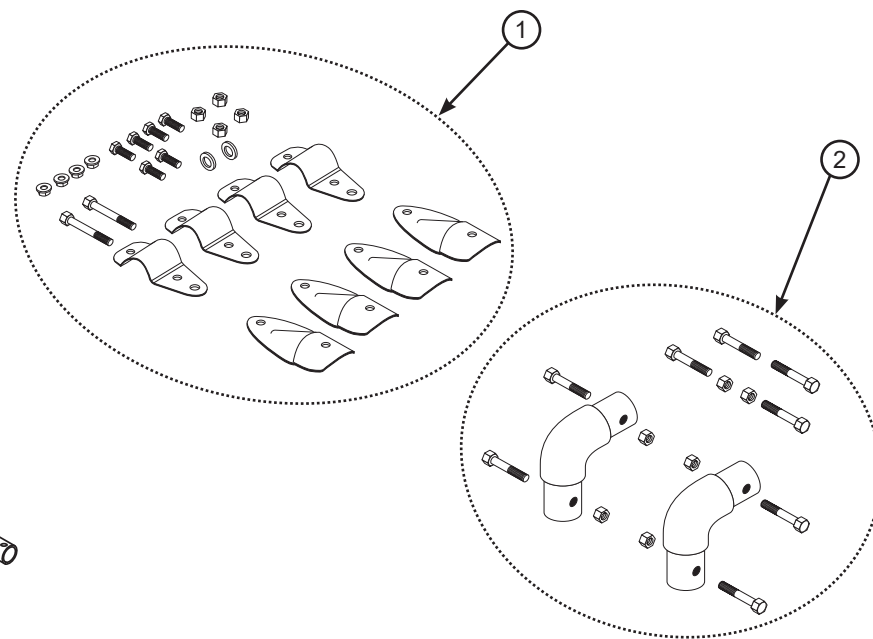
Tarp Tamer Bow to 21' Aluminum #501-1802 (Straight), #501-1803 (Bent)



Straight & Bent

ITEM	PART #	DESCRIPTION	QTY
1	501-0796	Tarp Tamer Bow Hardware Kit (Straight)	1
--	--	Tarp Tamer Bow Hardware Kit (Bent)	1
2	501-1250	Elbow & Upper Conn. Hardware (Straight) - Alum	1
--	--	Elbow & Upper Conn. Hardware (Bent) - Alum	1
3	501-1211	Aluminum Upper Arm or Pullrod (Straight)	3
--	--	Aluminum Upper Arm or Pullrod (Bent)	1
4	501-1217	Aluminum 4 Spring Arm Tube 30" Long (Straight)	2
--	--	Aluminum 4 Spring Arm Tube 30" Long (Bent)	2
5	501-1214	Aluminum Upper Arm (Bent) - Up to 33'	2

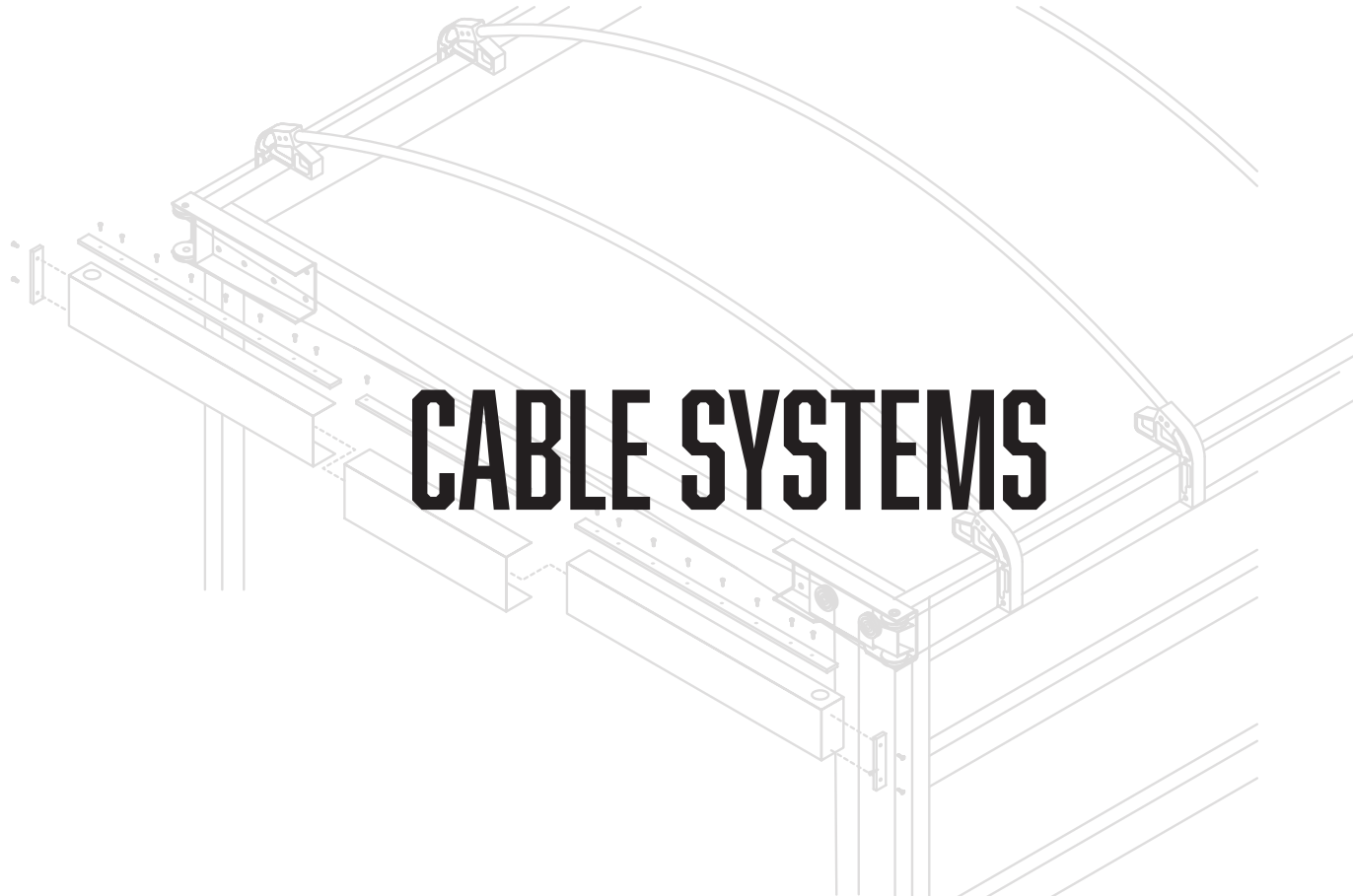
REV. 12/19/16 WLH





1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems





1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Single Cable Super Slider Front Cover Assembly and Associated Parts

Front Cover Assembly

ITEM	PART #	DESCRIPTION	QTY
1	502-0184	Front Cover Assembly	1
--	502-0383	Rear Slider (Not Shown)	2

Associated Parts

ITEM	PART #	DESCRIPTION	QTY
2	502-0107	Passenger Pulley Box Assembly	1
3	502-0105	Driver Pulley Box Assembly	1
4	502-0148	2.5" Pulley with Bearing	6
5	502-0301	UHMW Super Slider	--
6	502-0320	6" Super Slider Bow - 102.5"	--
7	502-0319	12" Super Slider Bow - 102.5"	--
--	502-0325	16" Super Slider Bow (Not Shown) - 102.5"	--

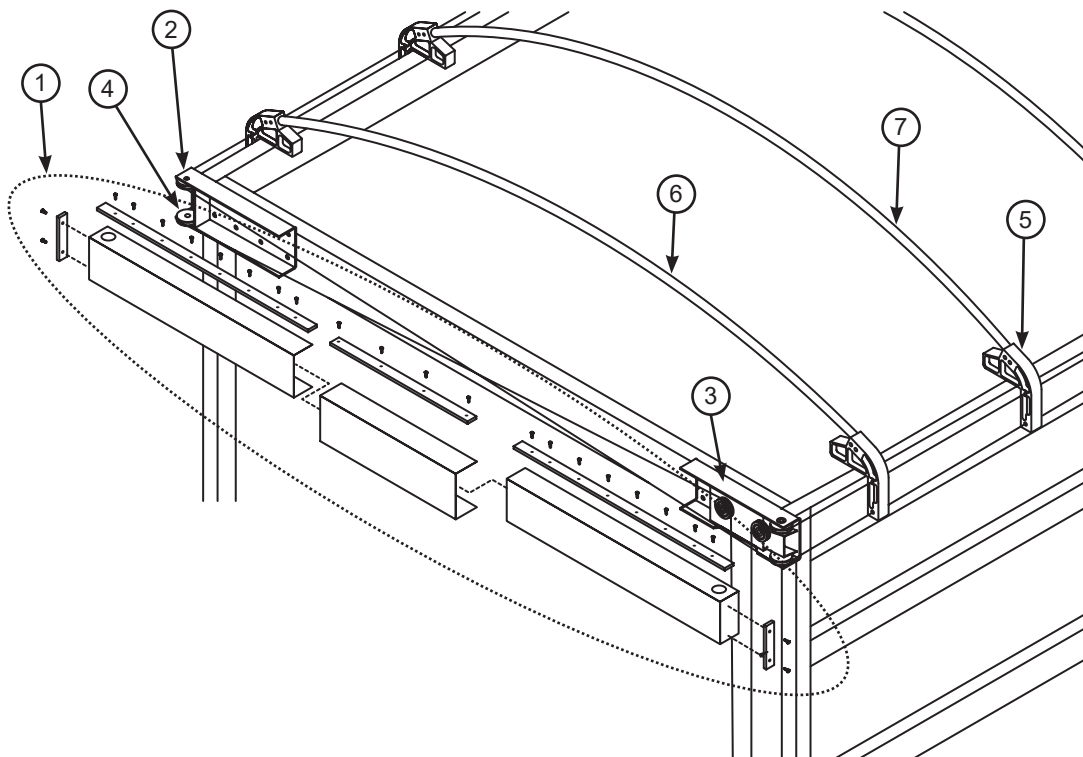
Quantities Vary Depending on Length

Rear Bows (Not Shown)

ITEM	PART #	DESCRIPTION	QTY
--	502-0329	6" Super Slider Rear Bow - 102.5"	1
--	502-0330	12" Super Slider Rear Bow - 102.5"	1
--	502-0331	16" Super Slider Rear Bow - 102.5"	1
--	502-0342	6" Super Slider Rear Bow - 95.5"	1
--	502-0341	12" Super Slider Rear Bow - 95.5"	1
--	502-0343	16" Super Slider Rear Bow - 95.5"	1

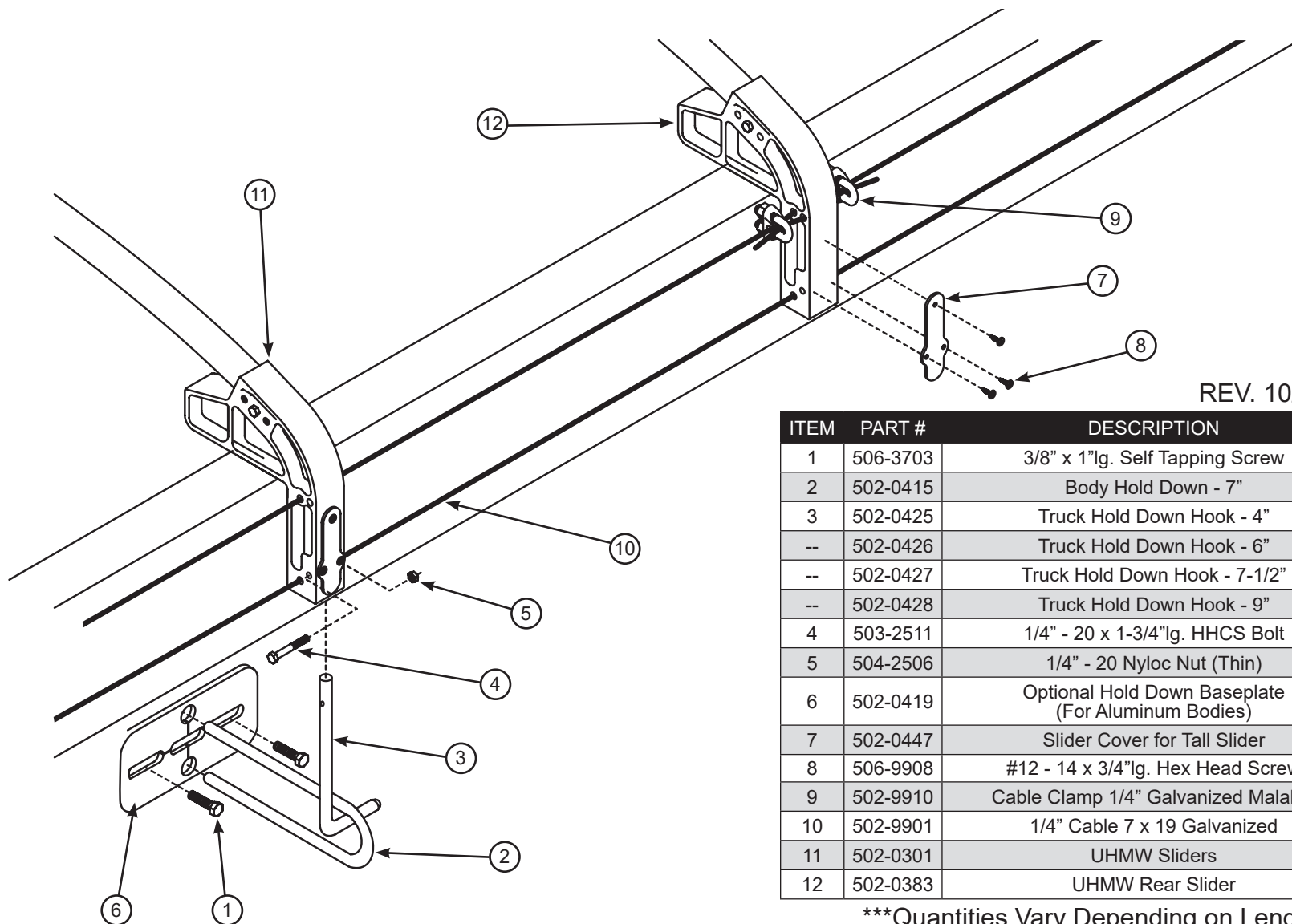
Narrow Bows (Not Shown)

ITEM	PART #	DESCRIPTION	QTY
--	502-0339	6" Super Slider Bow - 95.5"	1
--	502-0338	12" Super Slider Bow - 95.5"	1
--	502-0340	16" Super Slider Bow - 95.5"	1



REV. 10/25/16 WLH

Super Slider Hold Down Parts / Slider Parts and Associated Parts



REV. 10/25/16 WLH

ITEM	PART #	DESCRIPTION	QTY
1	506-3703	3/8" x 1"lg. Self Tapping Screw	--
2	502-0415	Body Hold Down - 7"	--
3	502-0425	Truck Hold Down Hook - 4"	--
--	502-0426	Truck Hold Down Hook - 6"	--
--	502-0427	Truck Hold Down Hook - 7-1/2"	--
--	502-0428	Truck Hold Down Hook - 9"	--
4	503-2511	1/4" - 20 x 1-3/4"lg. HHCS Bolt	1
5	504-2506	1/4" - 20 Nyloc Nut (Thin)	1
6	502-0419	Optional Hold Down Baseplate (For Aluminum Bodies)	6
7	502-0447	Slider Cover for Tall Slider	--
8	506-9908	#12 - 14 x 3/4"lg. Hex Head Screw	--
9	502-9910	Cable Clamp 1/4" Galvanized Malable	2
10	502-9901	1/4" Cable 7 x 19 Galvanized	--
11	502-0301	UHMW Sliders	--
12	502-0383	UHMW Rear Slider	--

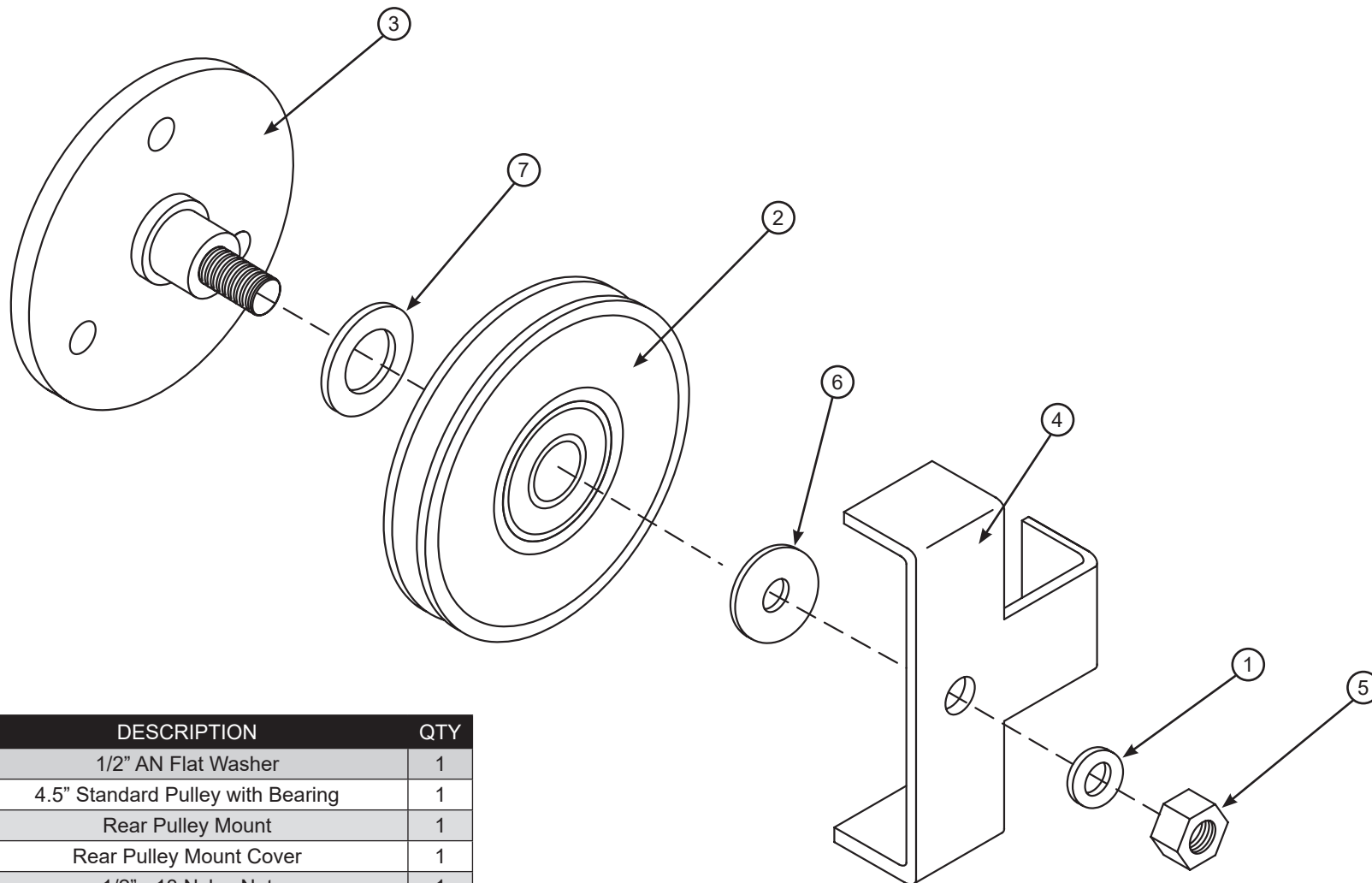
Quantities Vary Depending on Length



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Single Cable Rear Pulley Mount Assembly #502-0201



ITEM	PART #	DESCRIPTION	QTY
1	505-5001	1/2" AN Flat Washer	1
2	502-0208	4.5" Standard Pulley with Bearing	1
3	502-0210	Rear Pulley Mount	1
4	502-0213	Rear Pulley Mount Cover	1
5	504-5004	1/2" - 13 Nyloc Nut	1
6	505-5004	1/2" Flat Washer USS	1
7	505-9905	20mm Flat Washer	1

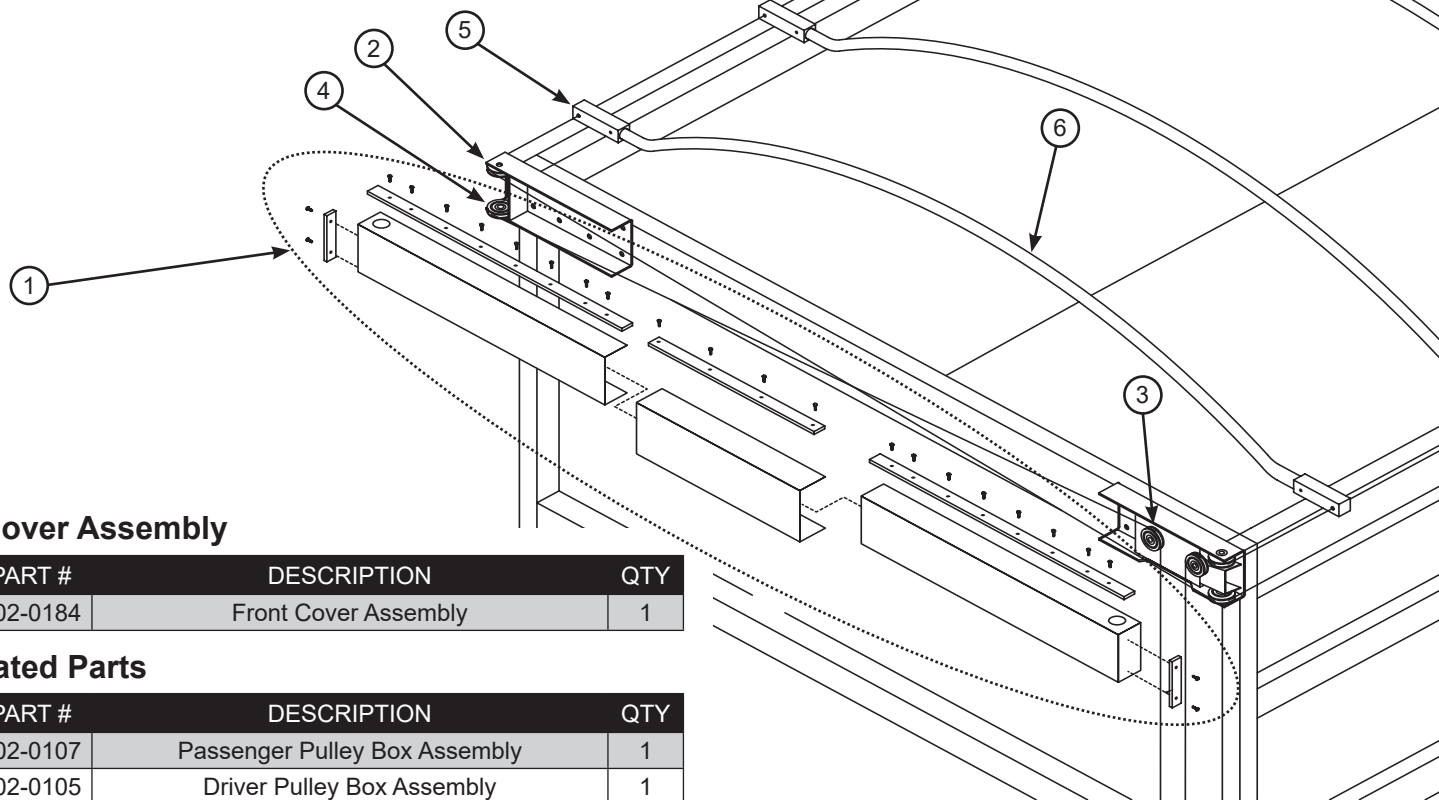
REV. 11/21/07 BAB



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Single Cable Top Slider Front Cover Assembly and Associated Parts #502-0184



Front Cover Assembly

ITEM	PART #	DESCRIPTION	QTY
1	502-0184	Front Cover Assembly	1

Associated Parts

ITEM	PART #	DESCRIPTION	QTY
2	502-0107	Passenger Pulley Box Assembly	1
3	502-0105	Driver Pulley Box Assembly	1
4	502-0148	2.5" Pulley with Bearing (Included with Items # 7 & 8)	6
5	502-0304	8" Hold Down Top Slider	--
6	502-0326	16" Top Slider Bow - 106.5"	--
--	502-0327	16" Top Slider Bow - 97.5"	--
--	502-0321	12" Top Slider Bow - 106.5"	--
--	502-0323	12" Top Slider Bow - 97.5"	--
--	502-0322	6" Top Slider Bow - 106.5"	--
--	502-0324	6" Top Slider Bow - 97.5"	--

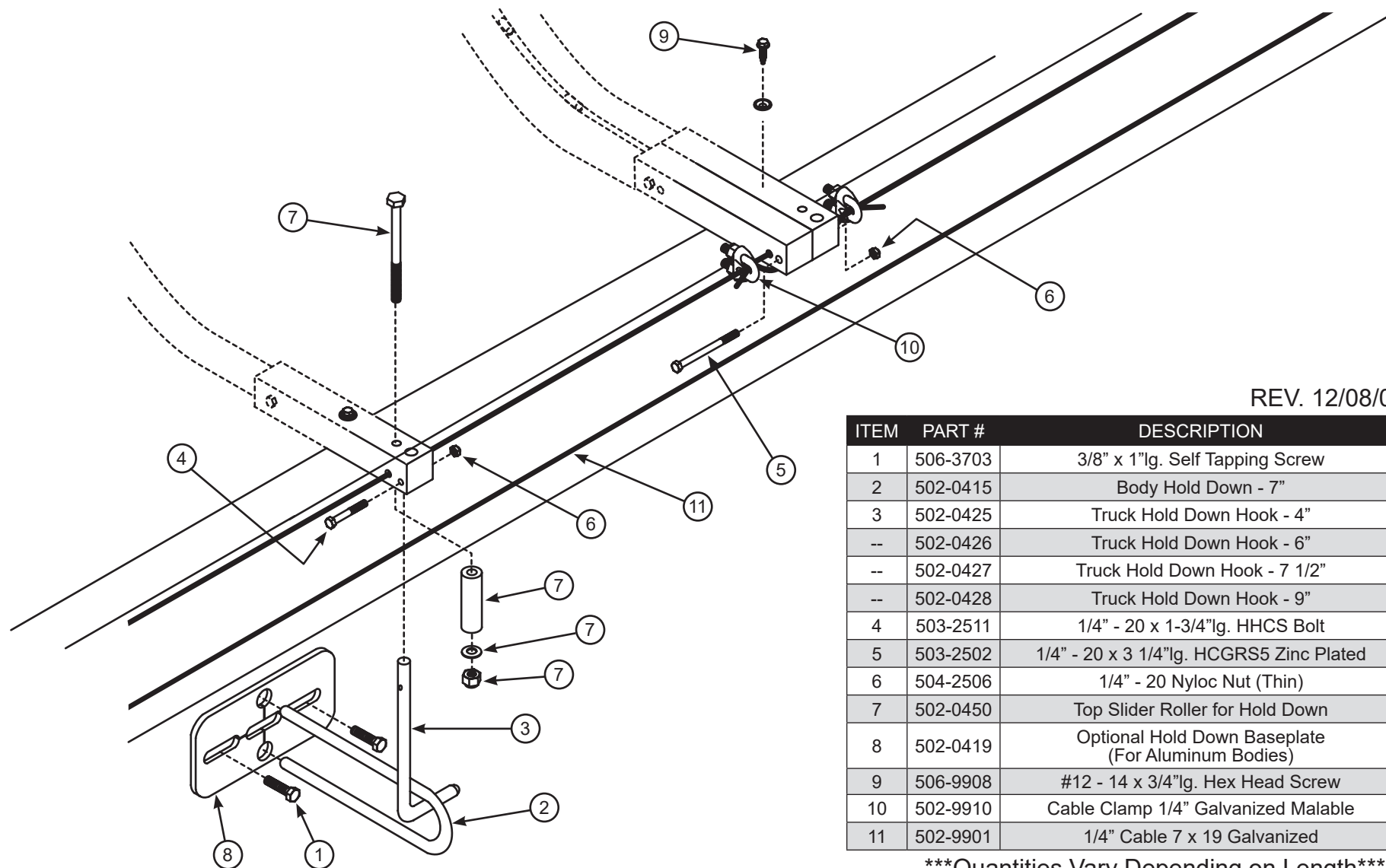
Quantities Vary Depending on Length

Rear Bows (Not Shown)

ITEM	PART #	DESCRIPTION	QTY
--	502-0326	16" Top Slider Bow - 106.5"	--
--	502-0327	16" Top Slider Bow - 97.5"	--
--	502-0331	12" Top Slider Bow - 106.5"	--
--	502-0323	12" Top Slider Bow - 97.5"	--
--	502-0322	6" Top Slider Bow - 106.5"	--
--	502-0324	6" Top Slider Bow - 97.5"	--

REV. 10/25/16 WLH

Top Sliders and Associated Parts



REV. 12/08/07 BAB

ITEM	PART #	DESCRIPTION	QTY
1	506-3703	3/8" x 1"lg. Self Tapping Screw	--
2	502-0415	Body Hold Down - 7"	--
3	502-0425	Truck Hold Down Hook - 4"	--
--	502-0426	Truck Hold Down Hook - 6"	--
--	502-0427	Truck Hold Down Hook - 7 1/2"	--
--	502-0428	Truck Hold Down Hook - 9"	--
4	503-2511	1/4" - 20 x 1-3/4"lg. HHCS Bolt	--
5	503-2502	1/4" - 20 x 3 1/4"lg. HCGRS5 Zinc Plated	2
6	504-2506	1/4" - 20 Nyloc Nut (Thin)	--
7	502-0450	Top Slider Roller for Hold Down	--
8	502-0419	Optional Hold Down Baseplate (For Aluminum Bodies)	--
9	506-9908	#12 - 14 x 3/4"lg. Hex Head Screw	--
10	502-9910	Cable Clamp 1/4" Galvanized Malable	4
11	502-9901	1/4" Cable 7 x 19 Galvanized	--

Quantities Vary Depending on Length



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Hand Crank Drive Kits - Part #502-0501 & 502-0502

ITEM	PART #	DESCRIPTION	QTY
1	502-0508	Crank Arm Assembly - Includes Item 2	1
2	502-0567	Spring Lock Plunger	1
3	502-0512	Hand Crank Drive Cover Assembly	1
4	502-0533	4.5" Drive Pulley "V" Groove w/Bearing	1
5	505-9905	20mm Flat Washer	2
6	504-9902	20mm Nyloc Nut	1
7	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	2
8	505-3102	5/16" Lock Washer	2

With Idler Pulley #502-0502

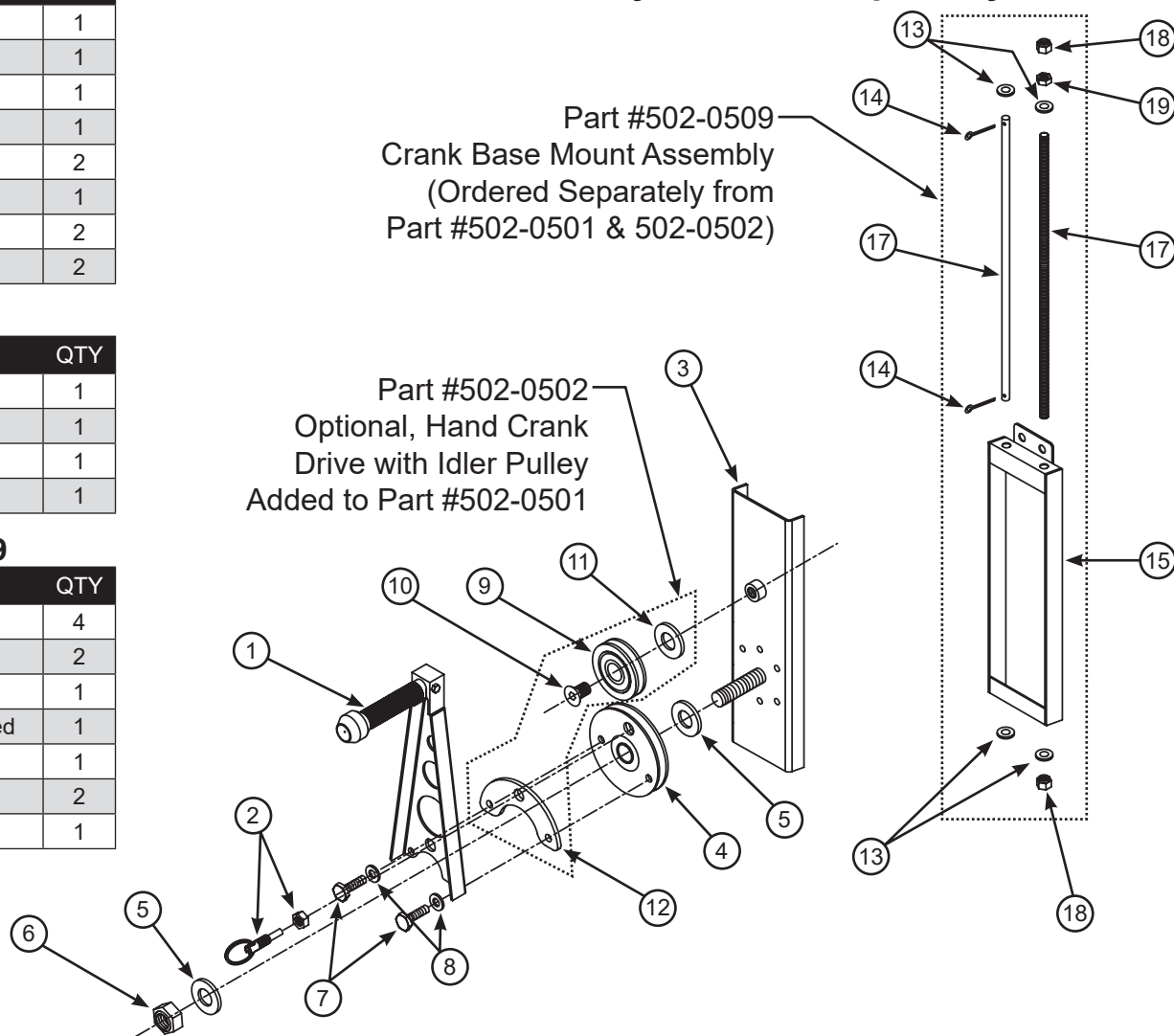
ITEM	PART #	DESCRIPTION	QTY
9	502-0148	2.5" Pulley w/Bearing	1
10	506-5003	1/2" - 13 x 1"lg. Flat Head Socket Cap	1
11	505-9905	20mm Flat Washer	1
12	502-0564	Pulley Handle Spacer	1

Crank Base Mount Assembly - Part #502-0509

ITEM	PART #	DESCRIPTION	QTY
13	505-5001	1/2" AN Flat Washer	4
14	506-1201	1/8" x 1" Cotter Pin	2
15	502-0510	Crank Base Plate Assembly	1
16	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
17	502-0530	1/2" Guide Shaft 13 1/4"lg.	1
18	504-5004	1/2" - 13 Nyloc Nut	2
19	504-5005	1/2" - 13 Hex Nut	1

REV. 11/21/07 BAB

Single Cable Hand Crank Kit - Standard #502-0501 Single Cable Hand Crank Drive Kit - With Idler Pulley #502-0502 Crank Mount Assembly - Ordered Separately #502-0509





1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Single Cable Standard Motor Drive Assembly #502-0601 Crank Base Mount Assembly - Ordered Separately #502-0509

Standard Motor Drive Assembly - Part #502-0601

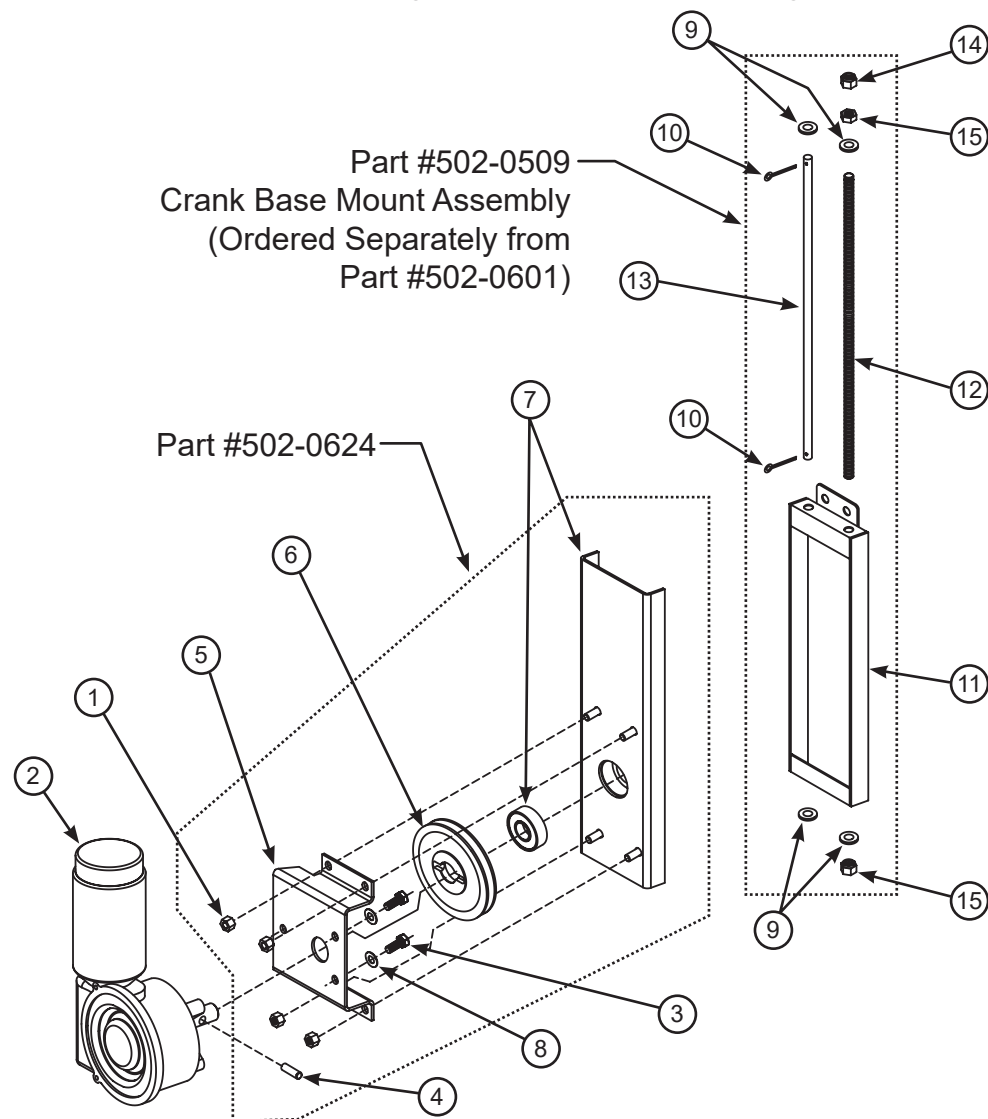
ITEM	PART #	DESCRIPTION	QTY
1	504-3103	5/16" - 18 Nyloc Nut	4
2	517-0906	12V DC Electric Motor	1
3	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
4	517-0326	.312 x 1.5"lg. Dowel Pin	1
5	502-0620	Super Winch Motor Bracket	1
6	502-0621	4.5" Super Winch "V" Pulley	1
7	502-0635	SW Motor Drive Cover Assembly	1
8	505-3102	5/16" Lock Washer	3
--	514-0121	6 Ga. Electrical Wire	70'
--	514-0505	Quick Disconnect Term 50 Amp	2
--	514-0114	Smart Switch Basic Kit	1

Crank Base Mount Assembly - Part #502-0509

ITEM	PART #	DESCRIPTION	QTY
9	505-5001	1/2" AN Flat Washer	4
10	506-1201	1/8" x 1" Cotter Pin	2
11	502-0510	Crank Base Plate Assembly	1
12	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
13	502-0530	1/2" Guide Shaft 13 1/4"lg.	1
14	504-5004	1/2" - 13 Nyloc Nut	2
15	504-5005	1/2" - 13 Hex Nut	1

Not Shown

REV. 10/10/16 WLH





1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Bow Motor Drive 1.3HP #502-0636 Single Cable Gear Reduction Motor Drive Assembly #502-0602 Crank Base Mount Assembly - Ordered Separately #502-0509

Standard Motor Drive Assembly - Part #502-0602

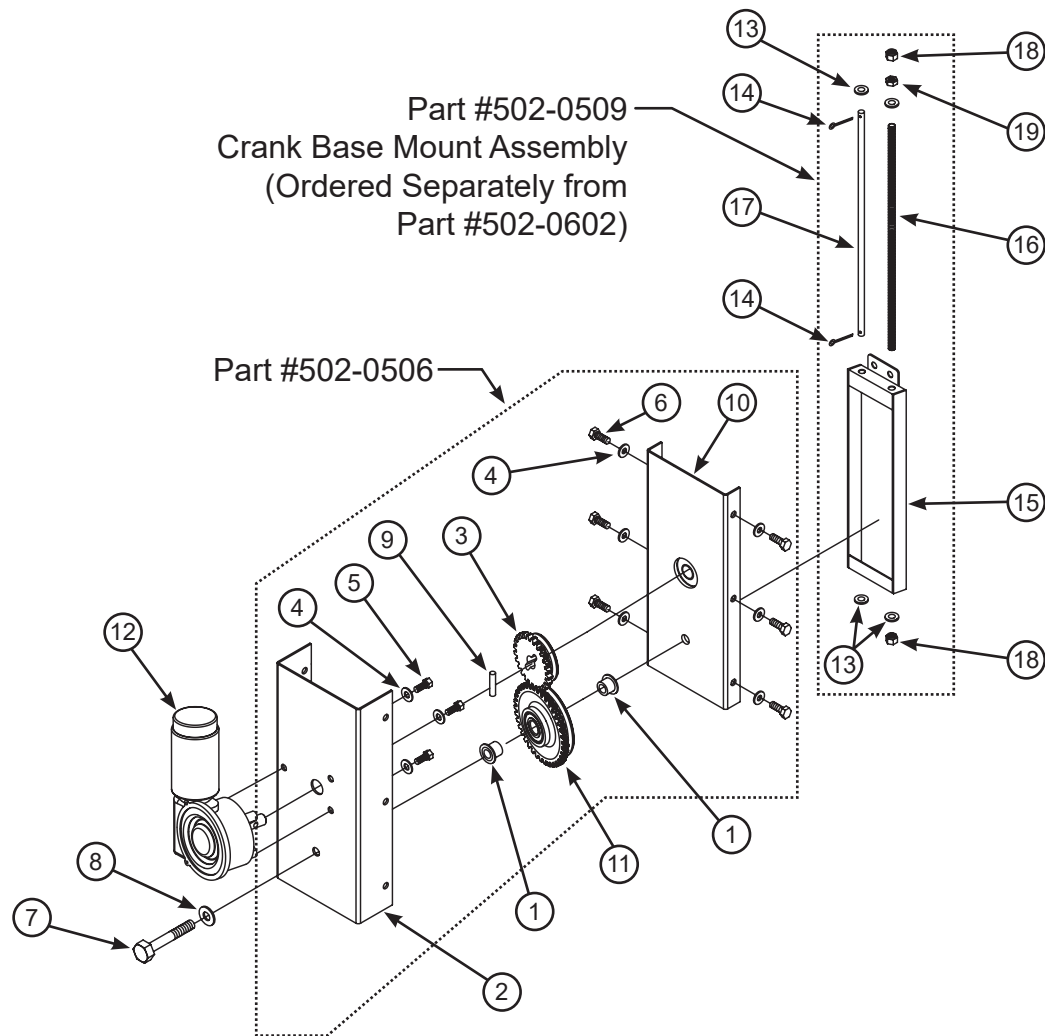
ITEM	PART #	DESCRIPTION	QTY
1	502-0546	1-1/8 Pulley Bushings	2
2	502-0561	Gear Drive Motor Mount	1
3	502-0570	24 Tooth Geared Pulley	1
4	505-3102	5/16" Lock Washer	9
5	503-3103	5/16" - 18 x 1" HHCS	3
6	503-3101	5/16" - 18 x 1/2" HHCS	6
7	503-5007	1/2" - 13 x 2-1/4" HHCS	1
8	505-5003	1/2" AN Lock Washer	1
9	517-0326	Diameter .312 x 1.5" Dowel Pin	1
10	502-0592	Adjustable Motor Cover Assembly with Bearing	1
11	502-0573	37 Tooth Geared Pulley with Bearings	1
12	517-0906	12V DC Electric Motor 1.1HP	1
--	517-0909	12V DC Electric Motor 1.3HP (Not Shown)	--
--	514-0123	6 Ga. Electrical Wire	90'
--	514-0505	Quick Disconnect Term 50 Amp	2
--	514-0114	Smart Switch Basic Kit	1

Crank Base Mount Assembly - Part #502-0509

ITEM	PART #	DESCRIPTION	QTY
13	505-5001	1/2" AN Flat Washer	4
14	506-1201	1/8" x 1" Cotter Pin	2
15	502-0510	Crank Base Plate Assembly	1
16	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
17	502-0530	1/2" Guide Shaft 13 1/4"lg.	1
18	504-5004	1/2" - 13 Nyloc Nut	2
19	504-5005	1/2" - 13 Hex Nut	1

Wire Not Shown

REV. 10/10/16 WLH

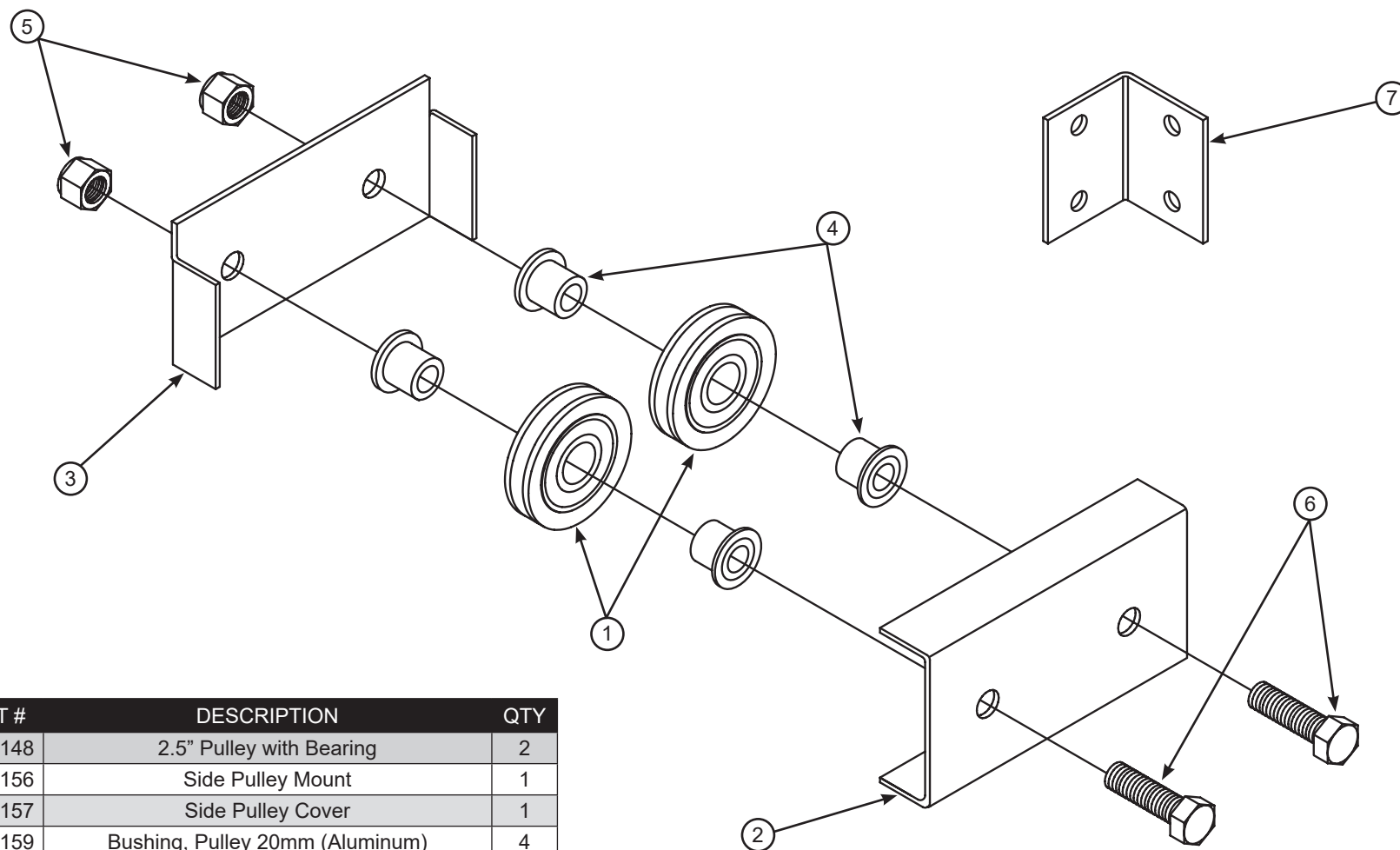




1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Single Cable Optional Side Pulley Box Assembly #502-0108



ITEM	PART #	DESCRIPTION	QTY
1	502-0148	2.5" Pulley with Bearing	2
2	502-0156	Side Pulley Mount	1
3	502-0157	Side Pulley Cover	1
4	502-0159	Bushing, Pulley 20mm (Aluminum)	4
5	504-5004	1/2" - 13 Nyloc Nut	2
6	503-5014	1/2" - 13 x 1-3/4"lg. HHCS Bolt	2
7	502-0451	Slider Bracket	2

REV. 11/20/07 BAB



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Twin Cable Top Slider Front Assembly and Associated Parts #301-XXXX

Associated Parts

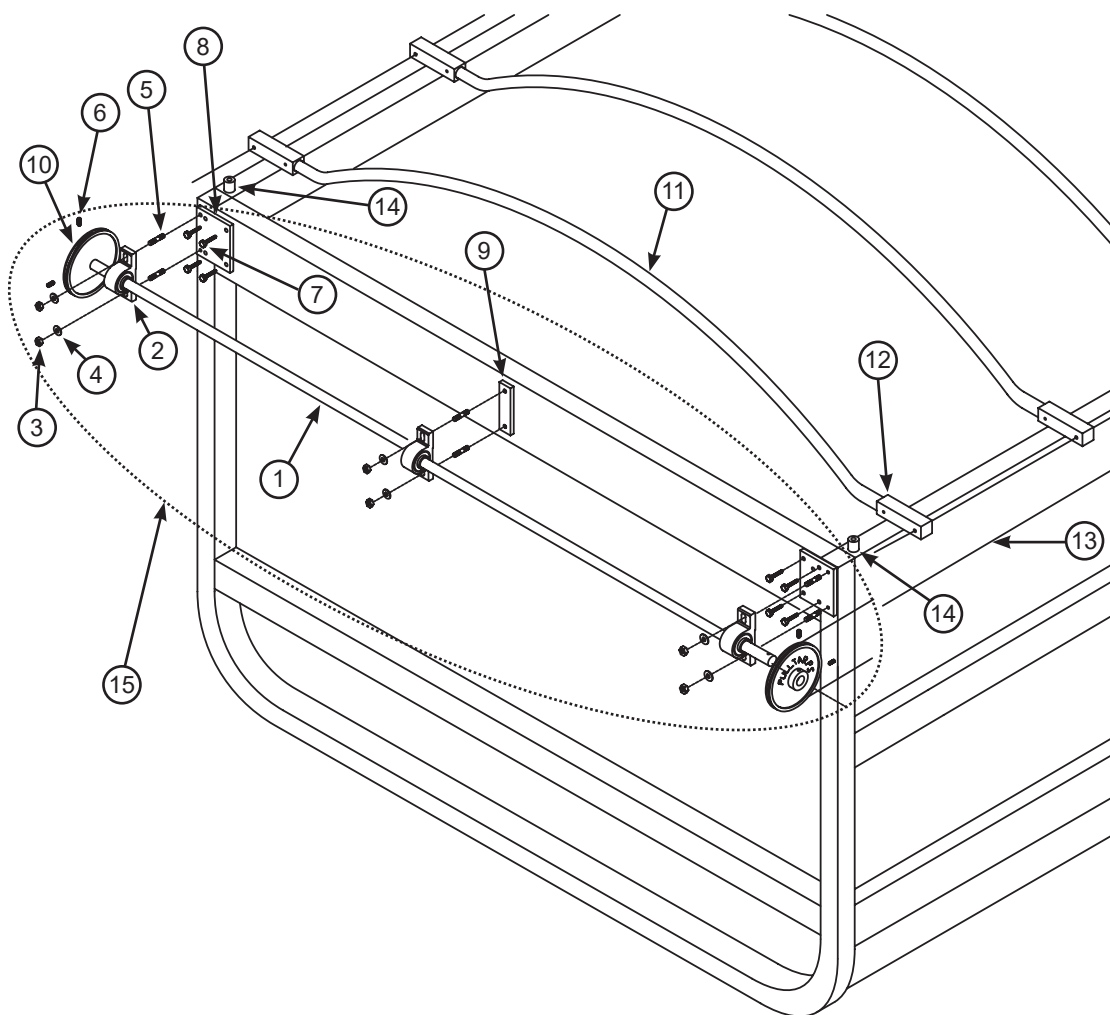
ITEM	PART #	DESCRIPTION	QTY
1	502-0114	1" Shaft - 108"	1
2	502-0801	Pillow Block Bearing	3
3	504-3702	Nut, 3/8" - 16 Hex Nut N	6
4	505-3702	Washer, 3/8" SAE Flat	6
5	506-3704	3/8" - 16 x 1-1/2" Dbl	6
6	506-3103	Set Screw, 5/16" - 18	4
7	506-3703	3/8" x 1" Self Threading	8
8	502-0166	Pillow Block Mounting	2
9	502-0167	Small Pillow Block Mounting	1
10	502-0168	7.5" Twin Cable Pulley	2
11	502-0326	16" Top Slider Bow - 106.5"	--
--	502-0327	16" Top Slider Bow - 97.5"	--
--	502-0321	12" Top Slider Bow - 106.5"	--
--	502-0323	12" Top Slider Bow - 97.5"	--
--	502-0322	6" Top Slider Bow - 106.5"	--
--	502-0324	6" Top Slider Bow - 97.5"	--
--	502-0386	6" Rear Bow - 102.5"	--
--	502-0388	12" Rear Bow - 102.5"	--
--	502-0390	16" Rear Bow - 102.5"	--
--	502-0385	6" Rear Bow - 97.5"	--
--	502-0387	12" Rear Bow - 97.5"	--
--	502-0389	16" Rear Bow - 97.5"	--
12	502-0304	8" Bow Slider	--
13	502-9901	1/4" Cable as Required	--
14	502-9917	Slider Stop	2

Quantities Vary Depending on Length

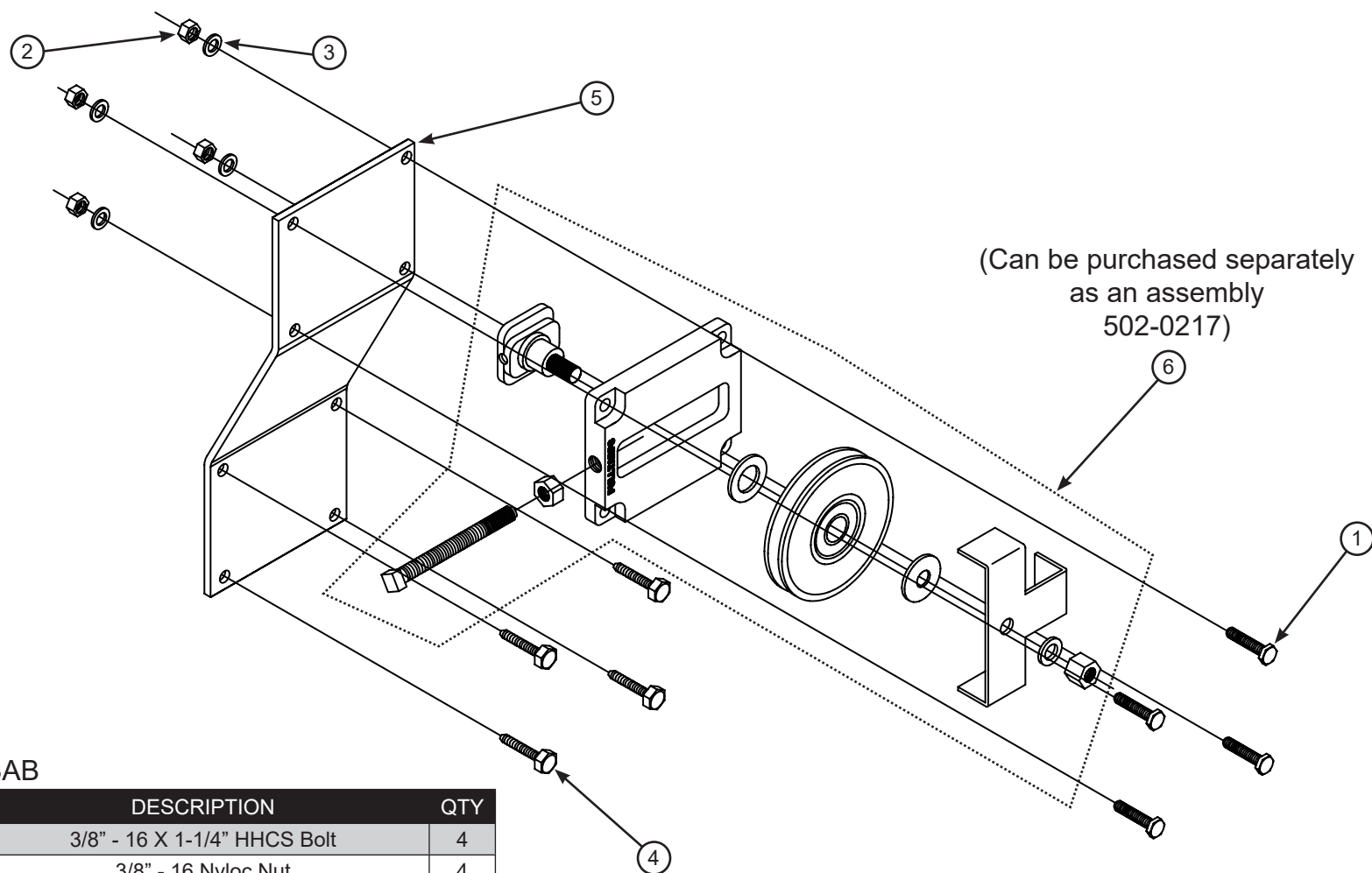
Front Pulley Assembly

ITEM	PART #	DESCRIPTION	QTY
15	502-0101	Front Pulley Assembly	1

REV. 02/14/17 WLH



Twin Cable Rear Pulley Mount #502-0202 with #502-0217



REV. 11/26/07 BAB

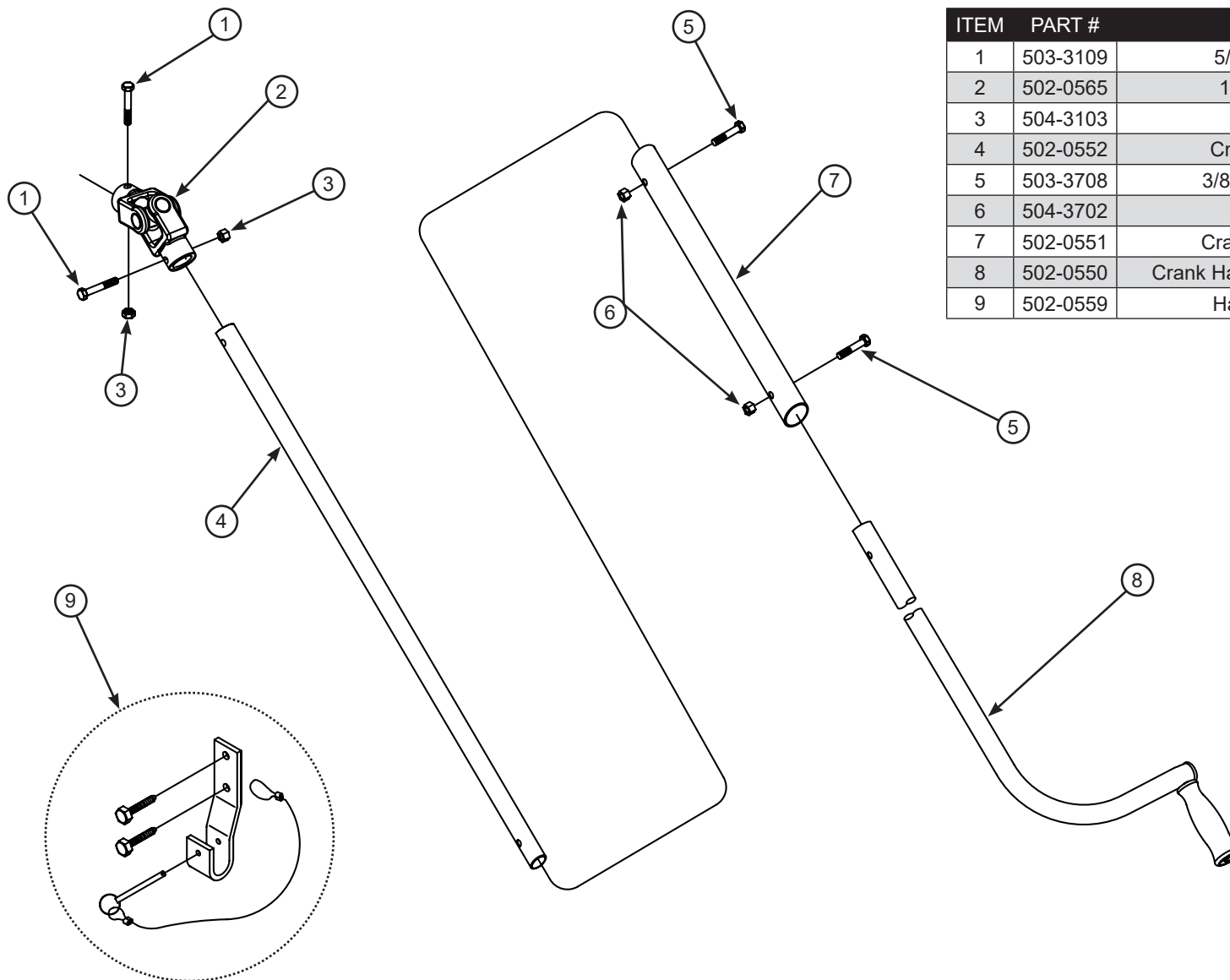
ITEM	PART #	DESCRIPTION	QTY
1	503-3705	3/8" - 16 X 1-1/4" HHCS Bolt	4
2	504-3702	3/8" - 16 Nyloc Nut	4
3	505-3703	3/8" Lock Washer	4
4	506-3703	3/8" x 1" Self Tapping Screw	4
5	502-0216	Twin Cable Rear Mounting Bracket	1
6	502-0217	TC Rear Pulley Assembly	1



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Twin Cable Direct Drive Hand Crank Assembly #502-0503



ITEM	PART #	DESCRIPTION	QTY
1	503-3109	5/16" - 18 x 2"lg. HHCS Bolt	2
2	502-0565	1" U-Joint, H3 x H3 Std. Jt.	1
3	504-3103	5/16" - 18 Nyloc Nut	2
4	502-0552	Crank Handle Extension, 80"	1
5	503-3708	3/8" - 16 x 1-3/4"lg. HHCS Bolt	2
6	504-3702	3/8" - 16 Nyloc Nut	2
7	502-0551	Crank Handle Sleeve 48" Long	1
8	502-0550	Crank Handle Arm Assembly - Twin Cable	1
9	502-0559	Handle Latch for Twin Cable	1

REV. 11/27/07 BAB

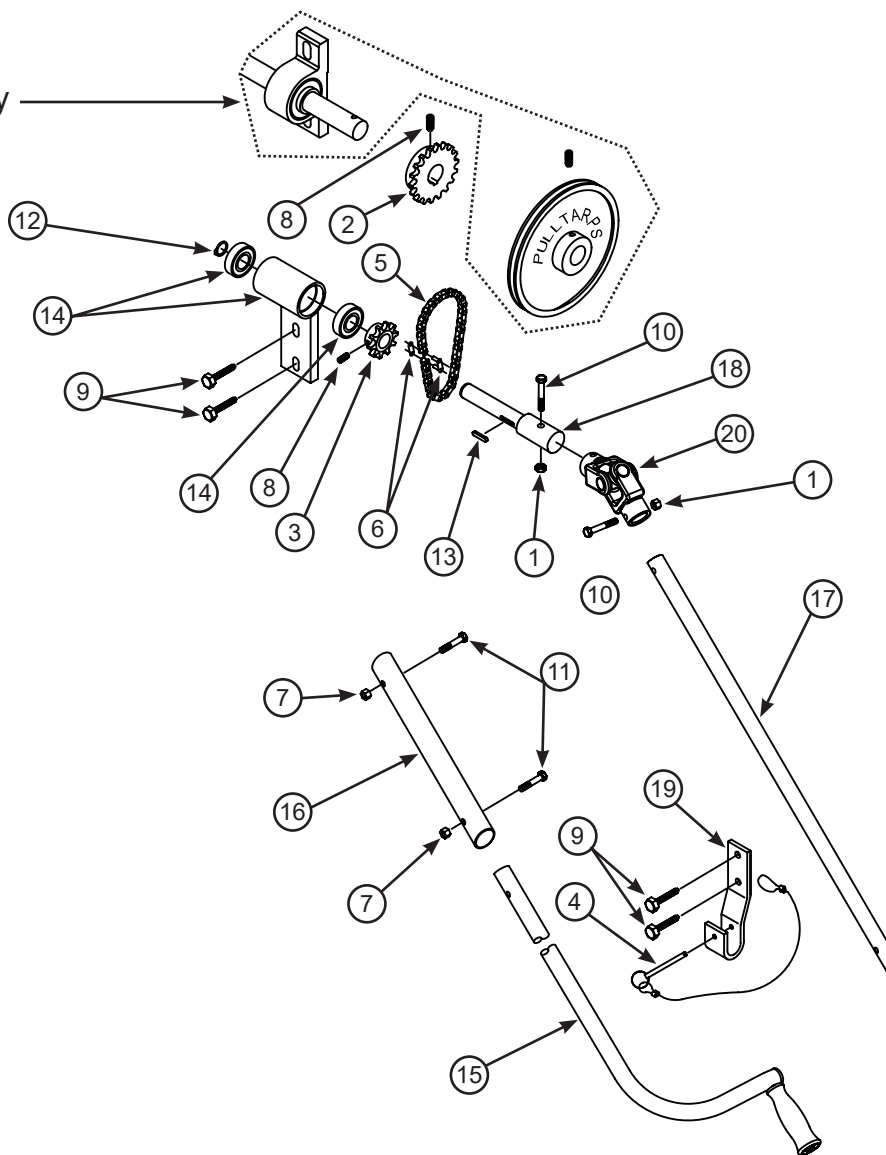


1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Twin Cable Upper Gear Reduction Hand Crank #502-0504

Shown for Reference Only



ITEM	PART #	DESCRIPTION	QTY
1	504-3103	5/16" - 18 Nyloc Nut	2
2	502-0513	40B16 x 1" Bore Sprocket	1
3	502-0515	40BS10 x 3/4" Bore Sprocket	1
4	502-0526	Latch Pin with Lanyard	1
5	502-0535	RC 40 Roller Chain	30"
6	502-0537	RC Roller Chain Master Link	1
7	504-3702	3/8" - 16 Nyloc Nut	2
8	506-3103	5/16" - 18 x 3/4" Set Screw	2
9	506-3703	3/8" x 1" Self Tapping Screw	4
10	503-3109	5/16" - 18 x 2" HHCS Bolt	2
11	503-3708	3/8" - 16 x 1-3/4" HHCS Bolt	2
12	506-7501	3/4" Spiral Lock	1
13	506-9922	3/16" x 3/4" Keystock	1
14	502-0544	Bearing Housing Assembly	1
15	502-0550	Crank Handle Arm Assembly - Twin Cable	1
16	502-0551	Crank Handle Sleeve 48" Long	1
17	502-0552	Crank Handle Extension, 80" Long	1
18	502-0554	Drive Shaft - 1" x 5-5/8"	1
19	502-0558	Handle Latch for Twin Cable	1
20	502-0565	1" U-Joint, H3 x H3 Std. Jt.	1

REV. 11/20/07 BAB

For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.

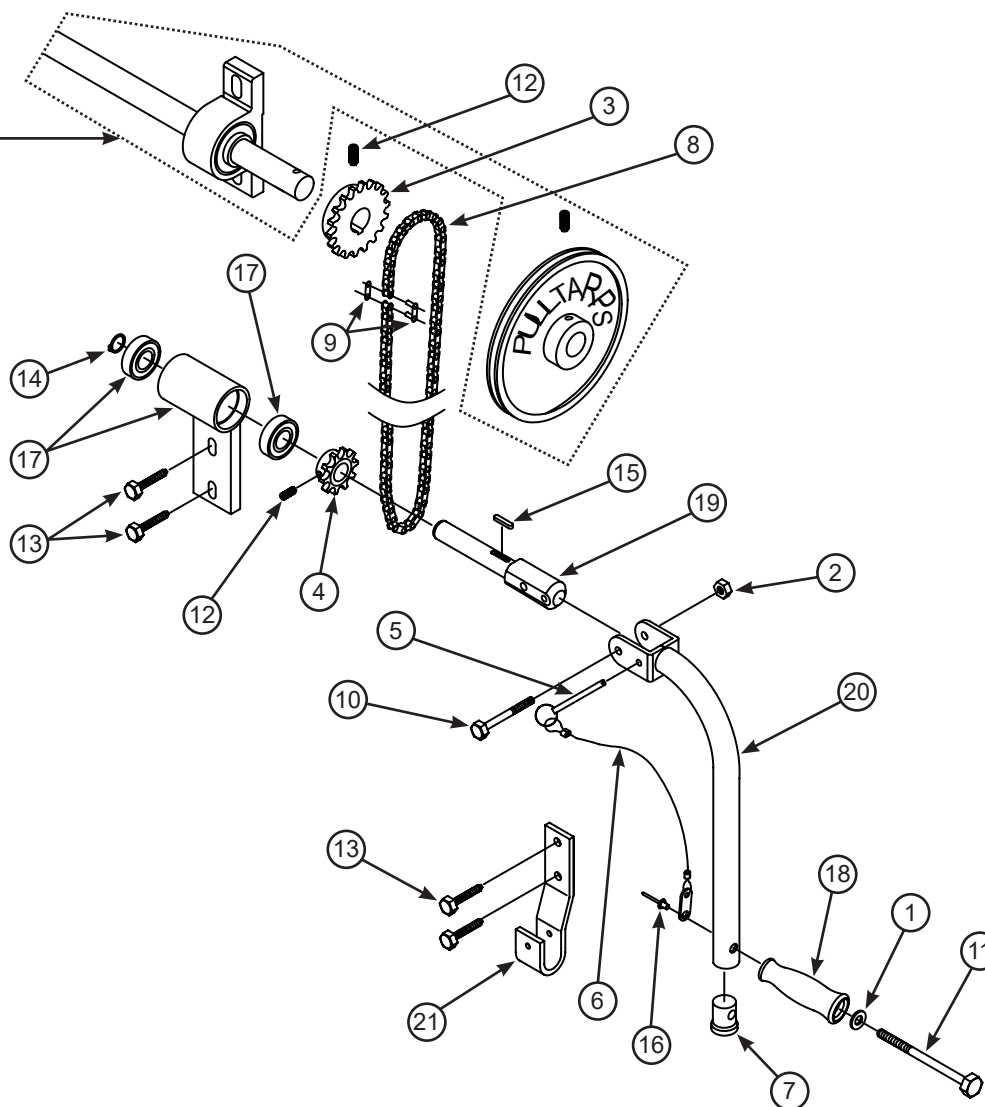


1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Twin Cable Standard Chain Drive Assembly #502-0505

Shown for Reference Only



ITEM	PART #	DESCRIPTION	QTY
1	505-3702	3/8" Flast Washer	1
2	504-3103	5/16" - 18 Nyloc Nut	1
3	502-0513	40B16 x 1" Bore Sprocket	1
4	502-0515	40BS10 x 3/4" Bore Sprocket	1
5	502-0527	1/4" x 2-1/2" Cotterless Hitch Pin	1
6	502-0529	12" Lanyard 2 Loops with SS Tab	1
7	502-0532	Crank Handle Plug - .875"	1
8	502-0535	RC 40 Roller Chain	132"
9	502-0537	RC 40 Roller Chain Master Link	1
10	503-3108	5/16" - 18 x 1-3/4"lg. HHCS Bolt	1
11	503-3715	3/8" - 16 x 5"lg. HHCS Bolt	1
12	506-3103	5/16" - 18 x 3/4"lg. Set Screw	2
13	506-3703	3/8" x 1"lg. Self Tapping Screw	4
14	506-7501	3/4" Spiral Lock	1
15	506-9922	3/16" x 3/4" Long Keystock	1
16	506-1801	3/16" x .126 - .250 Steel Pop Rivet	1
17	502-0544	Bearing Housing Assembly	1
18	502-0548	UHMW Crank Handle	1
19	502-0553	Drive Shaft - 1-1/8" x 6-1/2"	1
20	502-0556	Lower Gear Crank Handle Arm Assembly	1
21	502-0558	Handle Latch for Twin Cable	1

REV. 11/20/07 BAB

For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.



Basic Hand Crank Kit #502-0591



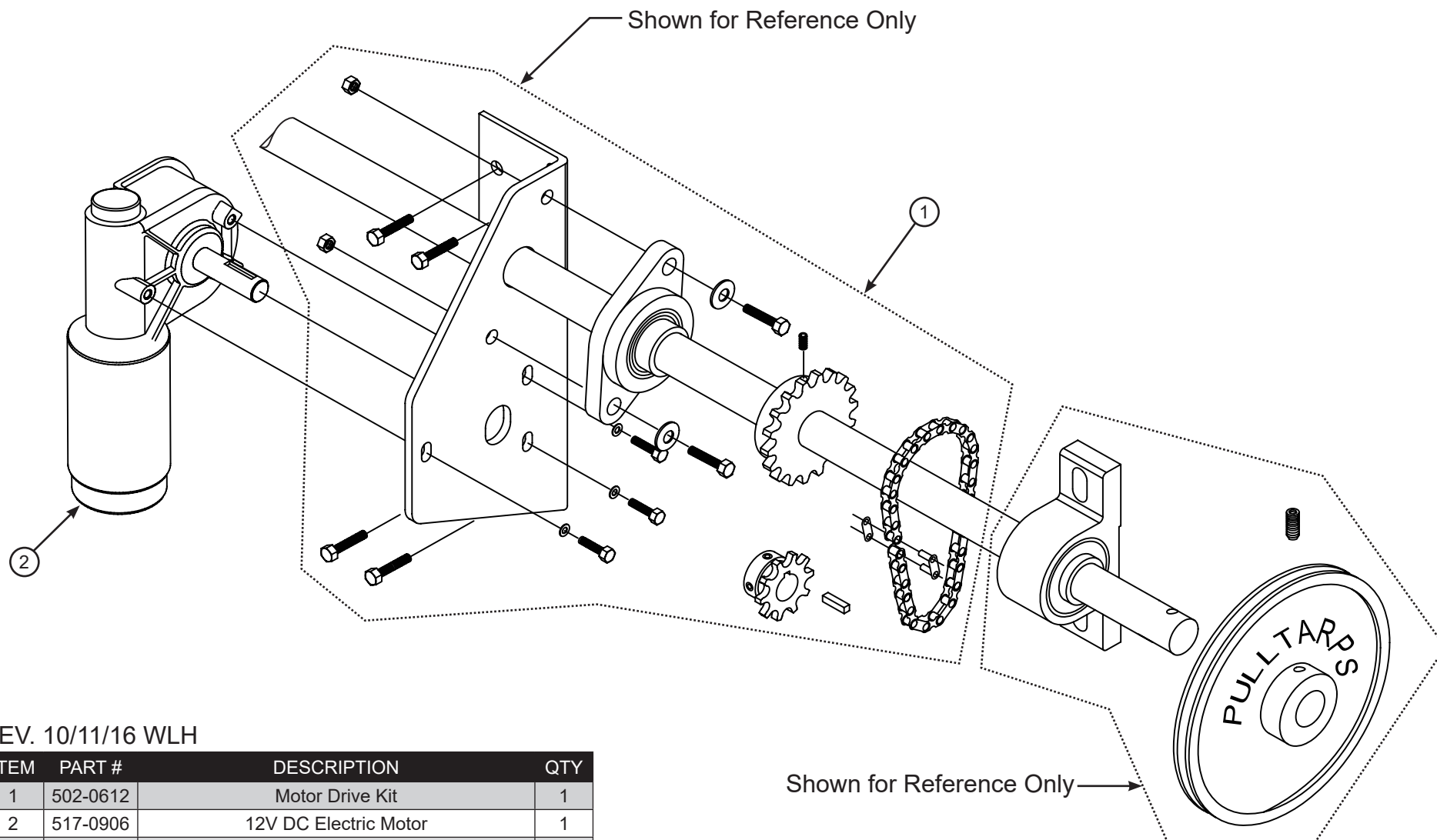
ITEM	PART #	DESCRIPTION	QTY
1	502-0535	#40 Roller Chain	144"
2	502-0513	40B16 x 1" Bore Sprocket	1
3	502-0537	#40 Roller Chain Master Link	1
4	506-3703	3/8 x 1" Self Tapping Screws	4
5	506-3103	Set Screw 5/16" - 18	1
6	502-0584	Basic Hand Crank Assembly	1



1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Twin Cable Motor Drive Assembly #502-0610



REV. 10/11/16 WLH

ITEM	PART #	DESCRIPTION	QTY
1	502-0612	Motor Drive Kit	1
2	517-0906	12V DC Electric Motor	1
--	514-0121	6 Ga. Electrical Wire (Not Shown)	70'
--	514-0114	Electric Switch Assembly 50 Amp (Not Shown)	1

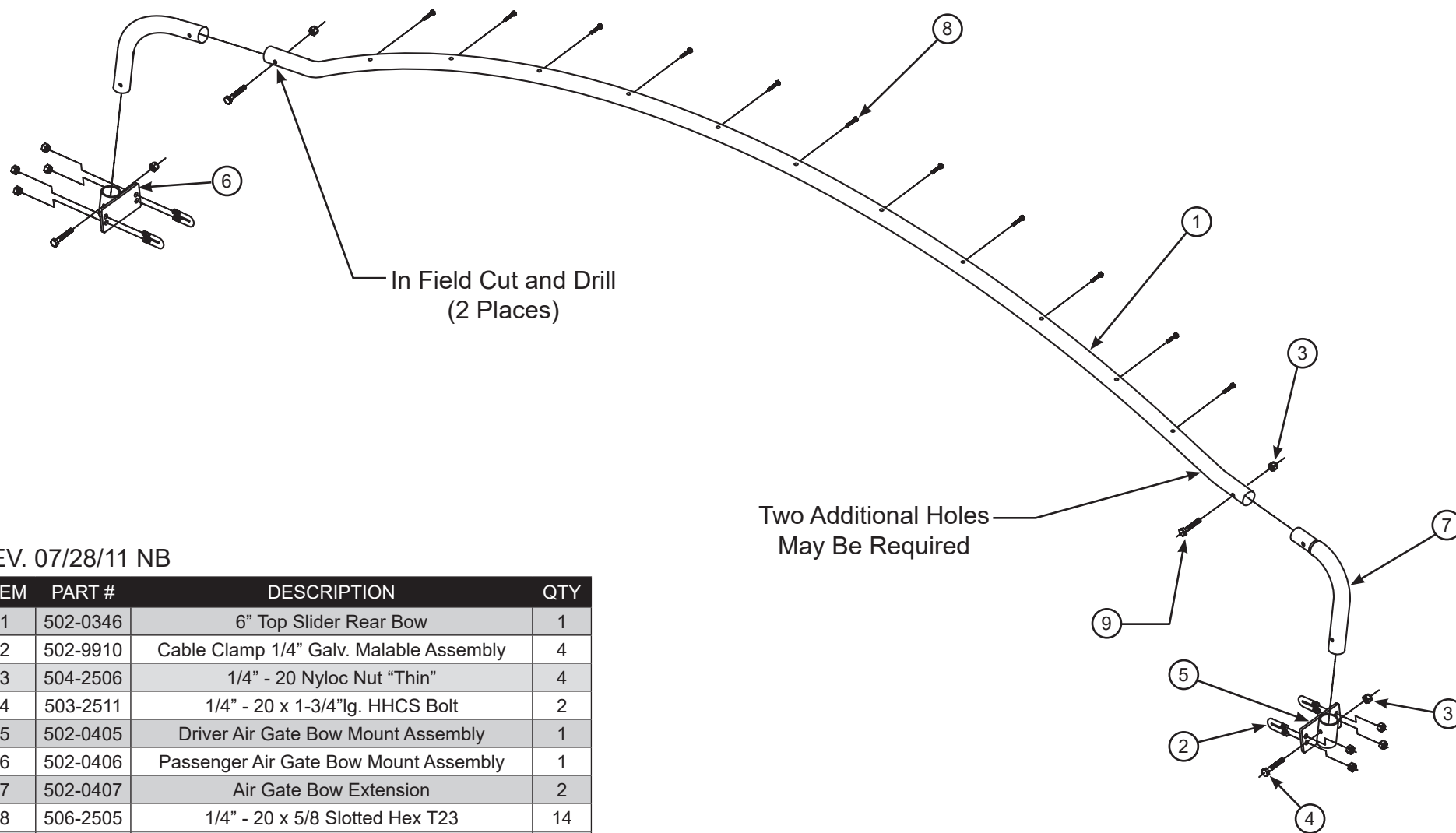
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1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Top Slider Rear Air Gate Bow Assembly #502-0403



REV. 07/28/11 NB

ITEM	PART #	DESCRIPTION	QTY
1	502-0346	6" Top Slider Rear Bow	1
2	502-9910	Cable Clamp 1/4" Galv. Malable Assembly	4
3	504-2506	1/4" - 20 Nyloc Nut "Thin"	4
4	503-2511	1/4" - 20 x 1-3/4"lg. HHCS Bolt	2
5	502-0405	Driver Air Gate Bow Mount Assembly	1
6	502-0406	Passenger Air Gate Bow Mount Assembly	1
7	502-0407	Air Gate Bow Extension	2
8	506-2505	1/4" - 20 x 5/8 Slotted Hex T23	14
9	503-2510	1/4" - 20 x 1-1/2" HCS Bolt	2

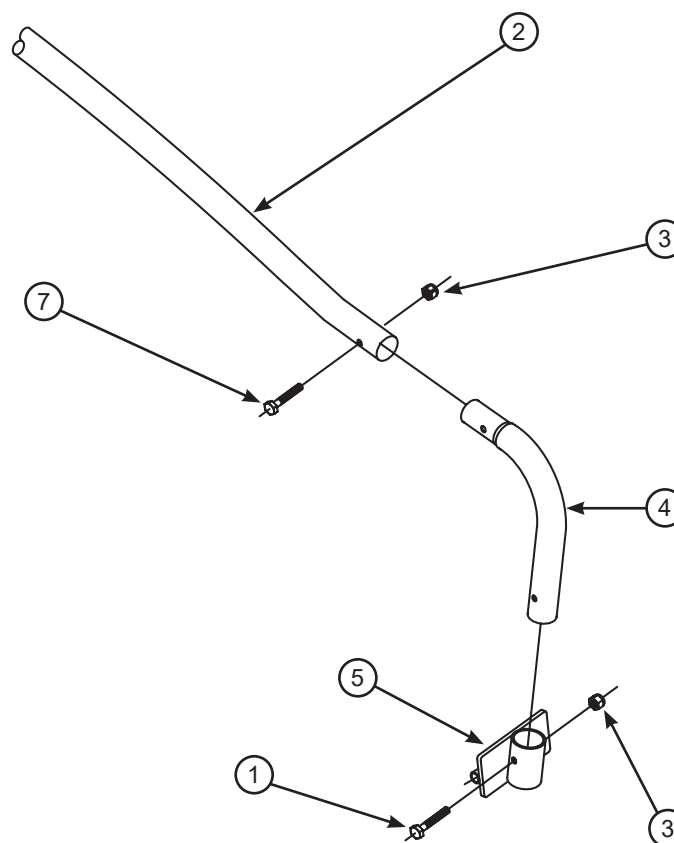
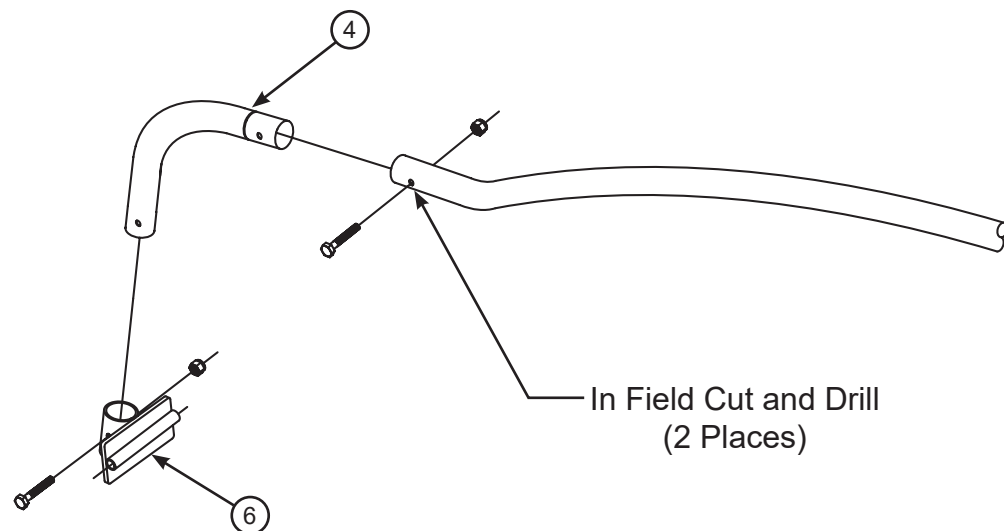
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1404 N. Marshall Ave. El Cajon CA. 92020

Cable Systems

Top Slider Air Gate Bow Assembly #502-0404



REV. 11/20/07 BAB

ITEM	PART #	DESCRIPTION	QTY
1	503-2511	1/4" - 20 x 1-3/4"lg. HHCS Bolt	2
2	502-0345	6" Top Slider Bow	1
3	504-2506	1/4" - 20 Nyloc Nut "Thin"	4
4	502-0407	Air Gate Bow Extension	2
5	502-0408	Driver Air Gate Slider Mount Assembly	1
6	502-0409	Passenger Air Gate Slider Mount Assembly	1
7	503-2510	1/4" - 20 x 1-1/2" Bolt	2



1404 N. Marshall Ave. El Cajon CA. 92020

Waste Systems

WASTE SYSTEMS

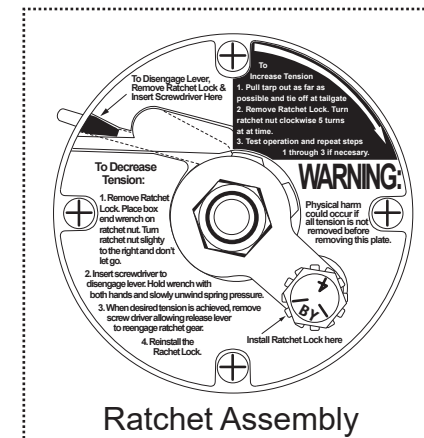
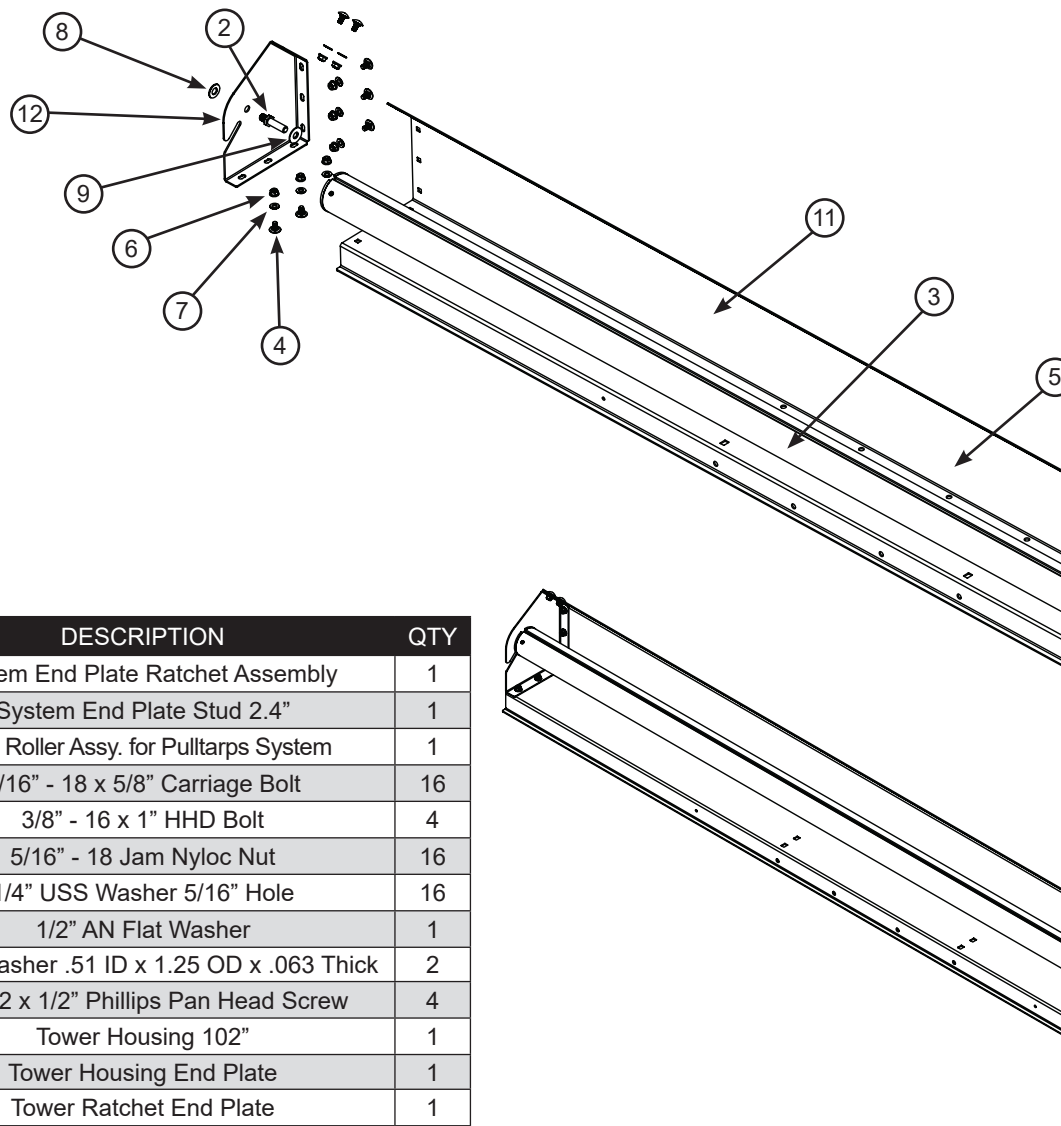




1404 N. Marshall Ave. El Cajon CA. 92020

Waste Systems

Tower Housing #513-0073



ITEM	PART #	DESCRIPTION	QTY
1	501-0630	System End Plate Ratchet Assembly	1
2	501-0801	System End Plate Stud 2.4"	1
3	501-1369	102" Roller Assy. for Pulltarps System	1
4	503-3118	5/16" - 18 x 5/8" Carriage Bolt	16
5	503-3704	3/8" - 16 x 1" HHD Bolt	4
6	504-3102	5/16" - 18 Jam Nyloc Nut	16
7	505-2502	1/4" USS Washer 5/16" Hole	16
8	505-5001	1/2" AN Flat Washer	1
9	505-5002	Nylon Washer .51 ID x 1.25 OD x .063 Thick	2
10	506-9905	10 - 32 x 1/2" Phillips Pan Head Screw	4
11	513-0061	Tower Housing 102"	1
12	513-0062	Tower Housing End Plate	1
13	513-0072	Tower Ratchet End Plate	1

(Assembled)

REV. 10/24/16 WLH

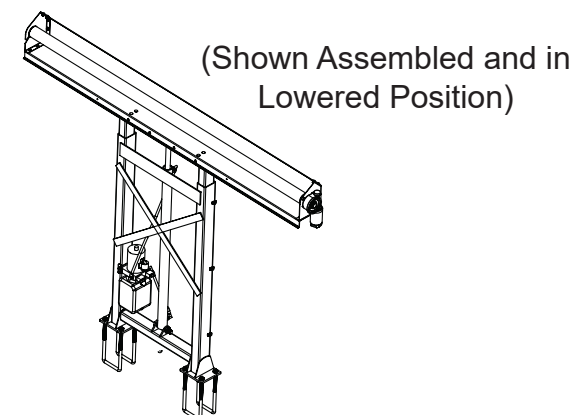
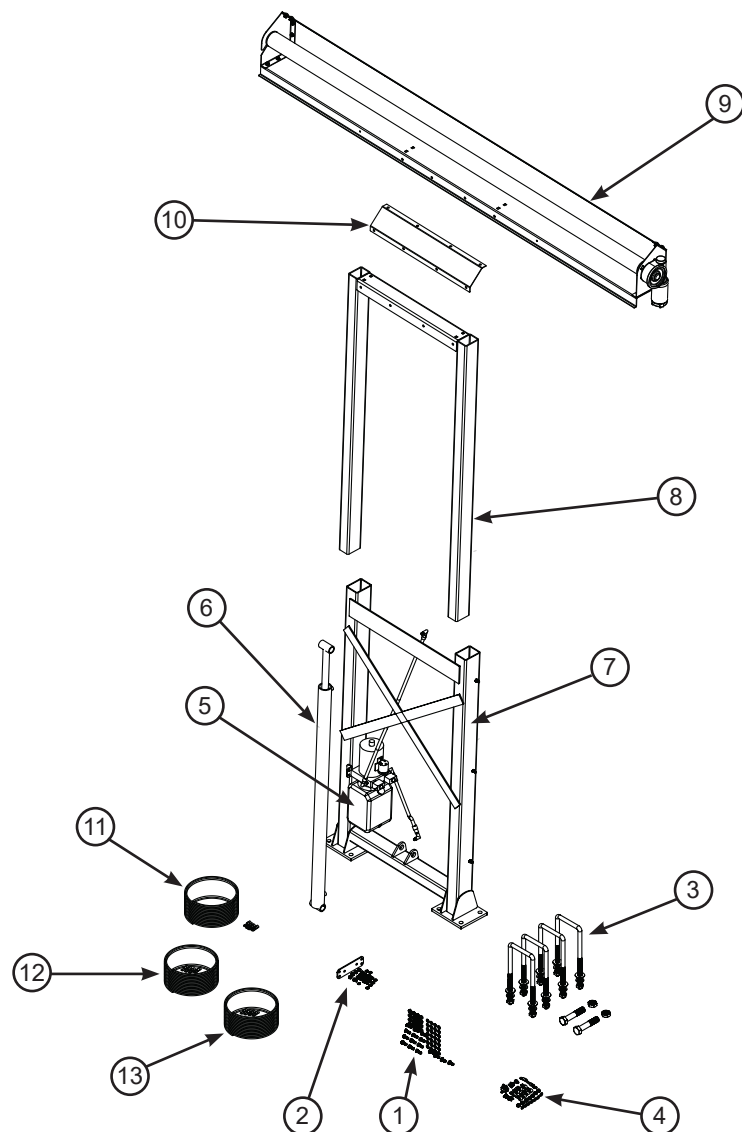
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1404 N. Marshall Ave. El Cajon CA. 92020

Waste Systems

Tower Assembly #513-0011



ITEM	PART #	DESCRIPTION	QTY
1	501-0662	Tower Housing Hardware Kit	1
2	501-0663	Pump Hardware Kit	1
3	501-0664	U Bolt / Cylinder Hardware Kit	1
4	501-0666	Electric Tower Hardware Bag	1
5	501-2312	Single Valve Power Pack	1
6	501-2311	2" Bore x 48" Long Hydraulic Cylinder	1
7	513-0015	Single Stage Base Assembly	1
8	513-0016	Stage 1 Extension	1
9	513-0017	102" Tower Housing	1
10	513-0064	Tower Housing Brace 30"	1
11	514-9986	10' Pump Power Wire	1
12	514-9989	10' Switch Power Wire	1
13	514-9990	19' Motor Power Wire	1

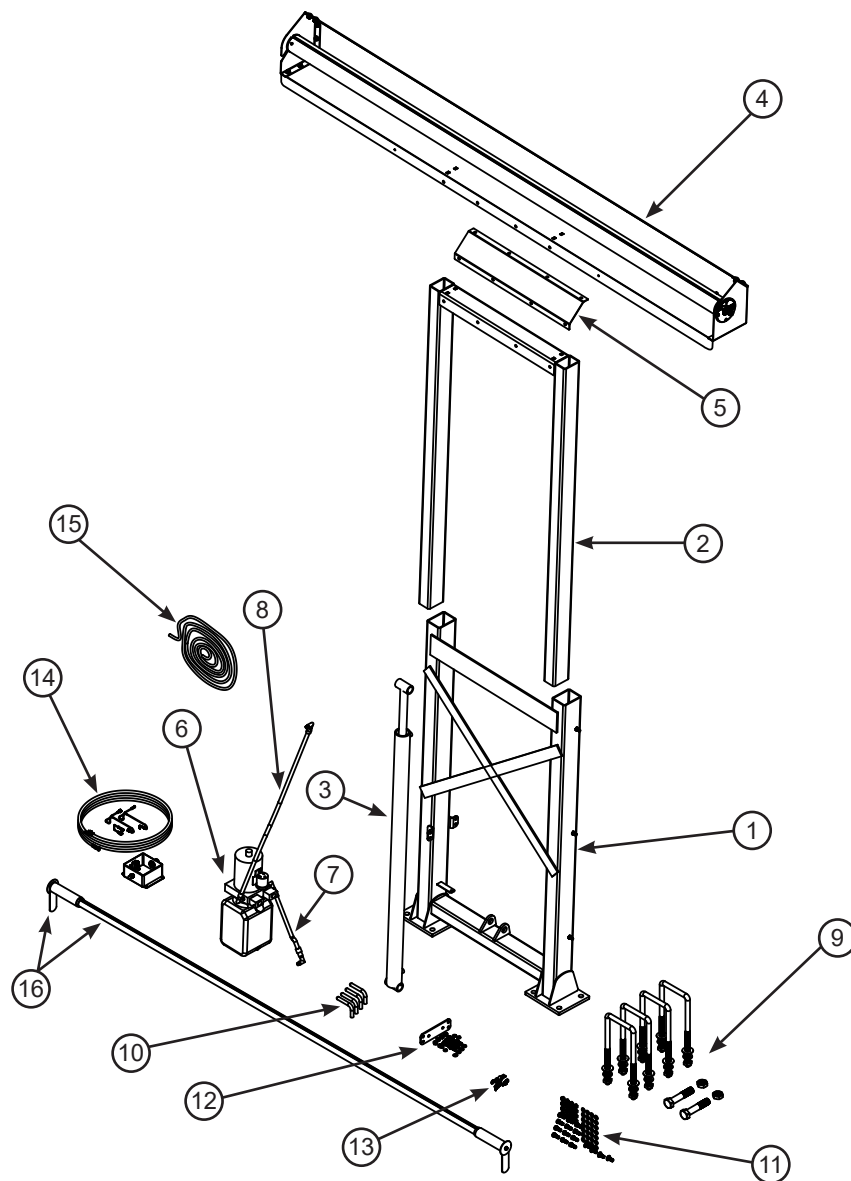
REV. 10/24/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Waste Systems

Tower Assembly #513-0074



ITEM	PART #	DESCRIPTION	QTY
1	513-0015	Single Stage Base Assembly	1
2	513-0016	Stage 1 Extension	1
3	501-2311	2" Bore x 48" Long Hydraulic Cylinder	1
4	513-0073	102" Tower Pulltarps Housing	1
5	513-0064	Tower Housng Brace 30"	1
6	501-2312	Single Valve Power Pack	1
7	501-2307	14" Hydraulic Hose	1
8	501-2308	42" Hydraulic Hose Assembly	1
9	501-0664	U-Bolt / Cylinder Hardware Kit	1
10	501-0621	Steel rope Hook Kit	1
11	501-0662	Tower Housing Hardware Kit	1
12	501-0663	Pump Hardware Kit	1
13	501-0665	Switch Box Hardware Bag	1
14	514-9988	Tower Switch Box	1
15	517-1009	Pullrop 50'	1
16	501-0420	105" Pullrod with Hardware Bag	1
--	501-2310	1/4" x Male x 38/" ORB 90 Pipe Fit (Not Shown)	4

REV. 10/24/16 WLH



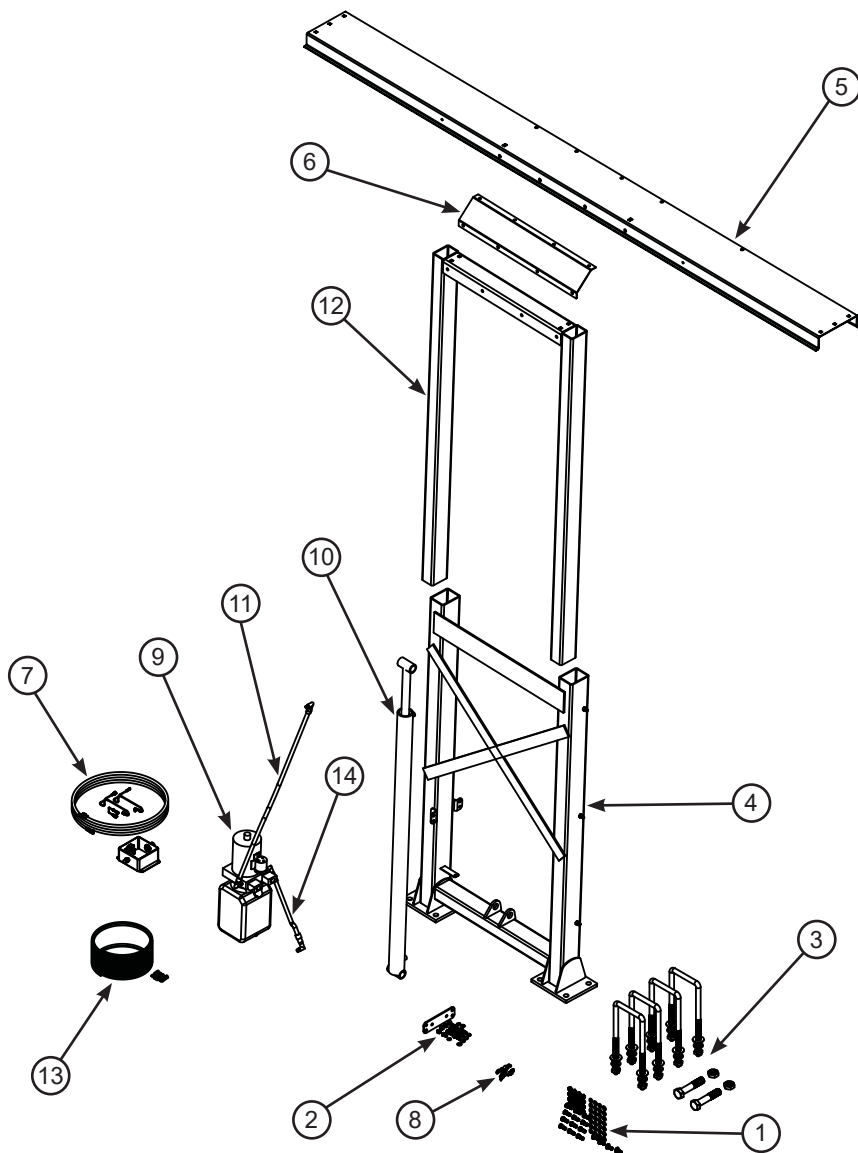
1404 N. Marshall Ave. El Cajon CA. 92020

Waste Systems

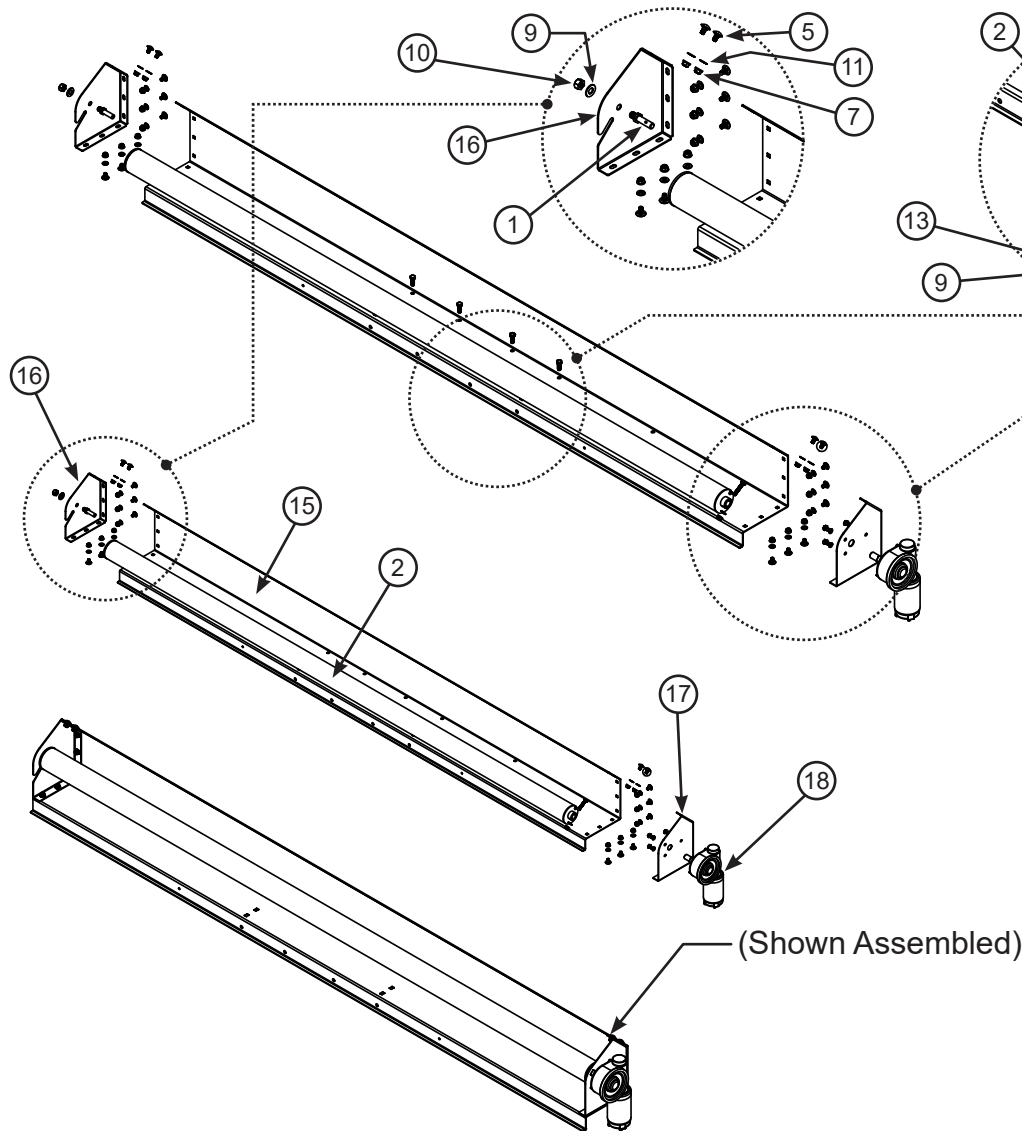
Single Stage Tower with Tray #513-0068

ITEM	PART #	DESCRIPTION	QTY
1	501-0662	Tower Housing Hardware Kit	1
2	501-0663	Pump Hardware Kit	1
3	501-0664	U Bolt / Cylinder Hardware Kit	1
4	513-0015	Single Stage Base Assembly	1
5	513-0070	100" Tower Tray	1
6	513-0071	30" Tower Tray Brace	1
7	514-9988	Tower Switch Box	1
8	501-0665	Switch Box Hardware Bag	1
9	501-2312	Single Valve Power Pack	1
10	501-2311	2" Bore x 48" Long Hydraulic Cylinder	1
11	501-2308	42" Hydraulic Hose Assembly	1
12	513-0016	Stage 1 Extension	1
13	514-9986	10' Pump Power Wire	1
14	501-2307	14" Hydraulic Hose Assembly	1
--	501-2310	1/4" x Male x 3/8" ORB 90 Pipe Fitting (Not Shown)	4

REV. 10/18/16 WLH



102" Tower Housing #513-0017



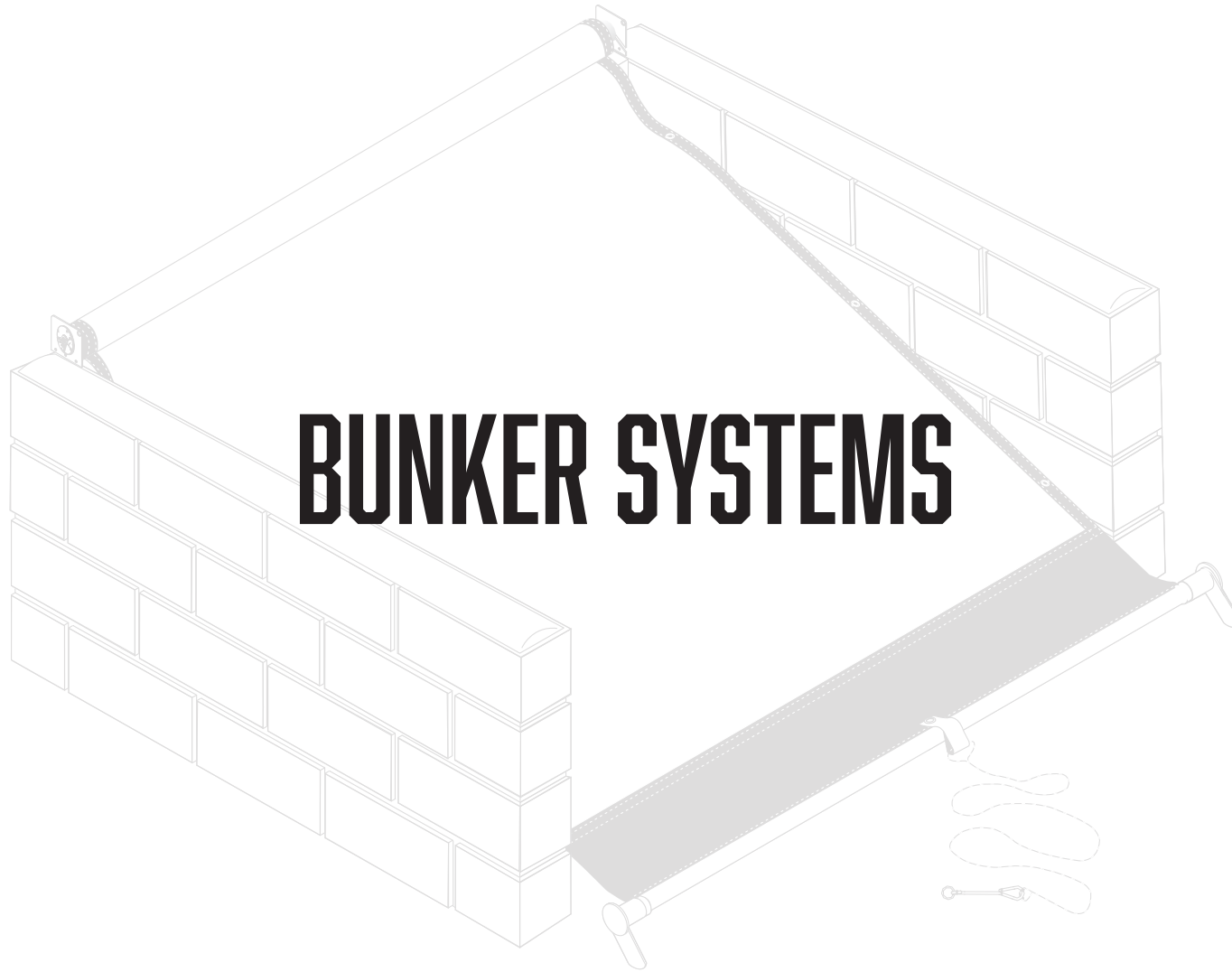
ITEM	PART #	DESCRIPTION	QTY
1	501-0801	2" End Plate Stud	1
2	501-1368	102" Roller Assembly for Electric Drive	1
3	504-3102	5/16" x 5/8" Length Hex HD Cap Screw	3
4	503-3108	5/16" - 18 x 1-3/4" HHCS Bolt	1
5	503-3118	5/16" - 18 x 5/8" Carriage Bolt	16
6	503-3704	3/8" - 16 x 1" HHD Bolt	4
7	504-3102	5/16" - 18 Jam Nyloc Nut	16
8	504-3103	5/16" - 18 Nyloc Nut	1
9	504-3702	Nut, 3/8" - 16 Hex Nut Nyloc Zinc Plt	4
10	504-5001	1/2" Crimp Nut	1
11	505-2502	1/4" USS Washer 5/16" HOLE	17
12	505-3102	5/16" Lock Washer	3
13	505-3702	Washer 3/8" SAE Flat Zinc	4
14	505-5001	1/2" AN Flat Washer	1
15	513-0061	Tower Housing 102"	1
16	513-0062	Tower Housing End Plate	1
17	513-0063	Tower Electric End Plate	1
18	517-0909	12V DC Electric Motor 1.3HP	1

REV. 11/15/16 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Bunker Systems





1404 N. Marshall Ave. El Cajon CA. 92020

Bunker Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-0220	9" End Plate without Stud	1
2	501-0289	9" Bunker End Plate	1
3	501-0647	System End Plate Ratchet Assembly	1
4	501-0801	System End Plate Stud	1
5	501-1371	183" Bunker Roller Tube	1
6	501-1555	Bunker System Mounting Bracket	2
7	503-3104	5/16" - 18 x 3/4" Carriage Bolts	6
8	504-3102	5/16" - 18 Jam Nyloc Nut	6
9	504-5001	1/2" Crimp Nut	1
10	505-5001	1/2" AN Washer 1/16" TK	1
11	505-5002	Washer Nylon 0.5 ID x 1.25 OD x 0.63 TK	2
12	506-9937	10-32 x 5/8" Phillips Pan Head Screw	4
13	505-2502	1/4" USS Washer 5/16" ID	6

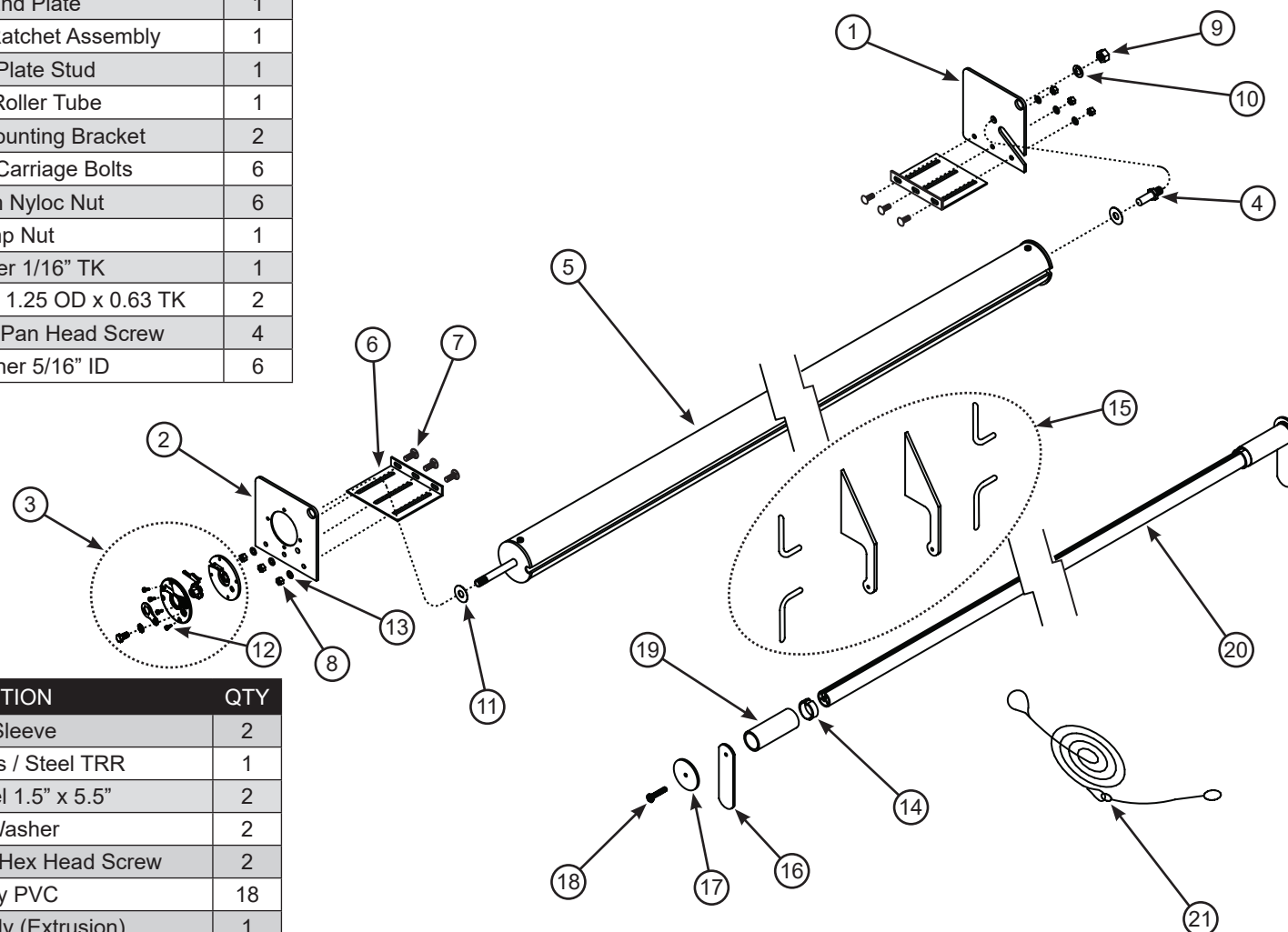
REV. 12/05/16 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
14	501-1410	Reliance Sleeve	2
15	501-0623	Steel Rope Hooks / Steel TRR	1
16	501-0644	Tarp Guide Steel 1.5" x 5.5"	2
17	505-0201	Pull Rod Washer	2
18	506-2502	1/4" - 20 x 1" Slotted Hex Head Screw	2
19	517-0106	1-1/4" Grey PVC	18
20	517-0610	Pull Rod 204" Only (Extrusion)	1
21	517-1006	35' Pull Rope with Bungee	1

9" Open Bunker System #105-1830

(Width of 183")





1404 N. Marshall Ave. El Cajon CA. 92020

Bunker Systems

ITEM	PART #	DESCRIPTION	QTY
1	501-0220	9" End Plate without Stud	1
2	501-0289	9" Bunker End Plate	1
3	501-0647	System End Plate Ratchet Assembly	1
4	501-0801	System End Plate Stud	1
5	501-1370	288" Bunker Roller Tube	1
6	501-1555	Bunker System Mounting Bracket	2
7	503-3104	5/16" - 18 x 3/4" Carriage Bolts	6
8	504-3102	5/16" - 18 Jam Nyloc Nut	6
9	504-5001	1/2" Crimp Nut	1
10	505-2502	1/4" USS Washer 5/16" ID	6
11	505-5001	1/2" AN Washer 1/16" TK	1
12	505-5002	Washer Nylon 0.5 ID x 1.25 OD x 0.63 TK	4
13	506-9937	10-32 x 5/8" Phillips Pan Head Screw	4
14	501-1420	1/2" x 66" Spring Shaft with CAD	1
15	501-1403	1/2" x 66" Spring Shaft with CAD	1
16	501-1411	1/2" x 59.5" PVC SCH 40 Spacer	2
17	517-9916	Main Spring	2
18	517-0104	Torque Block	2
19	506-1201	1/8" x 1" Cotter Pin	2
20	505-5001	1/2" AN Washer 1/16" TK	2

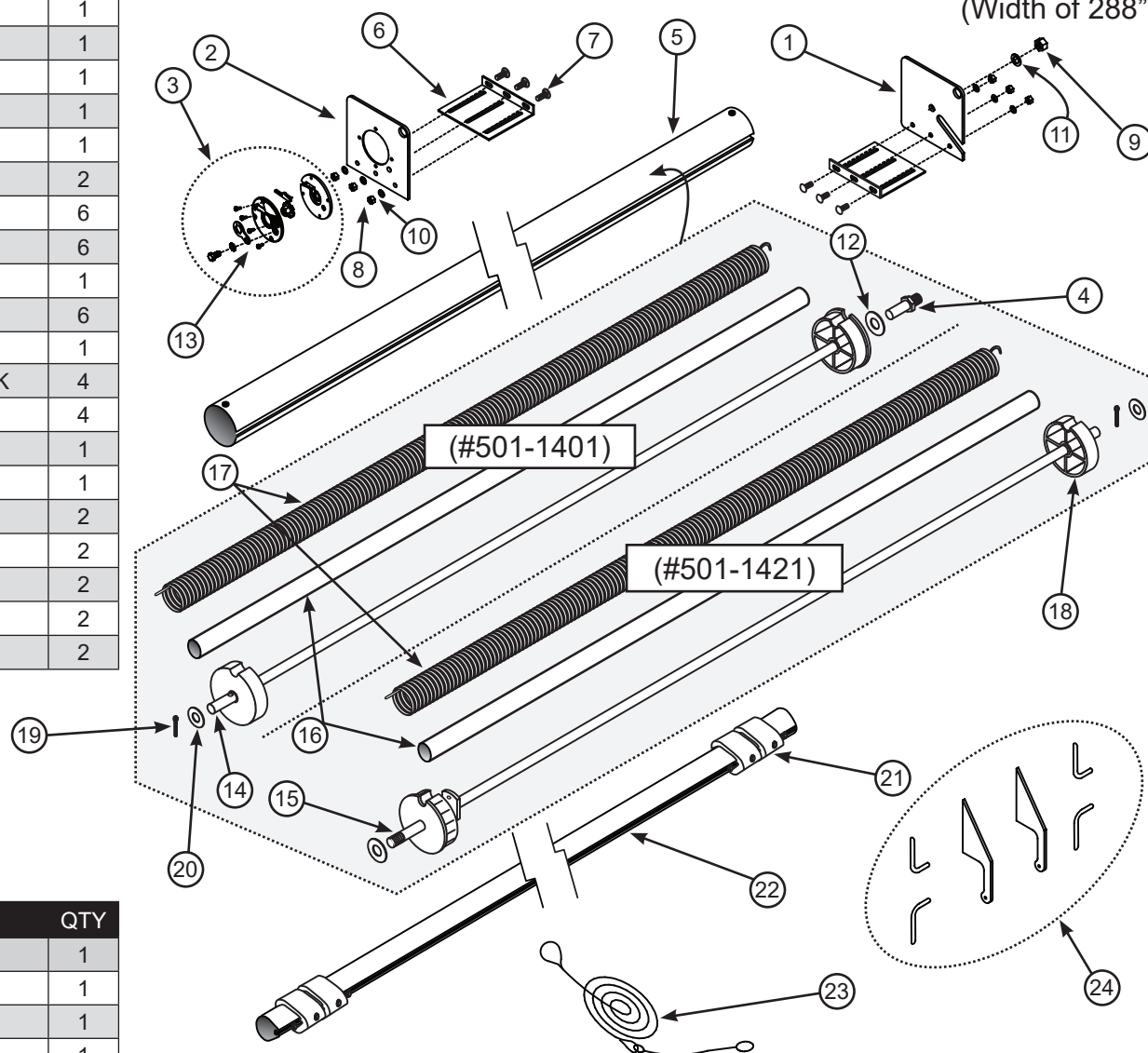
REV. 12/14/16 WLH

Universal Teardrop Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
21	501-1293	Teardrop Bumper Kit	1
22	517-0636	288" Teardrop Pull Bar	1
23	517-1009	50' Pull Rod with Bungee	1
24	501-0623	Steel Rop Hooks / Steel TRR	1

9" Open Bunker System #105-2880

(Width of 288")

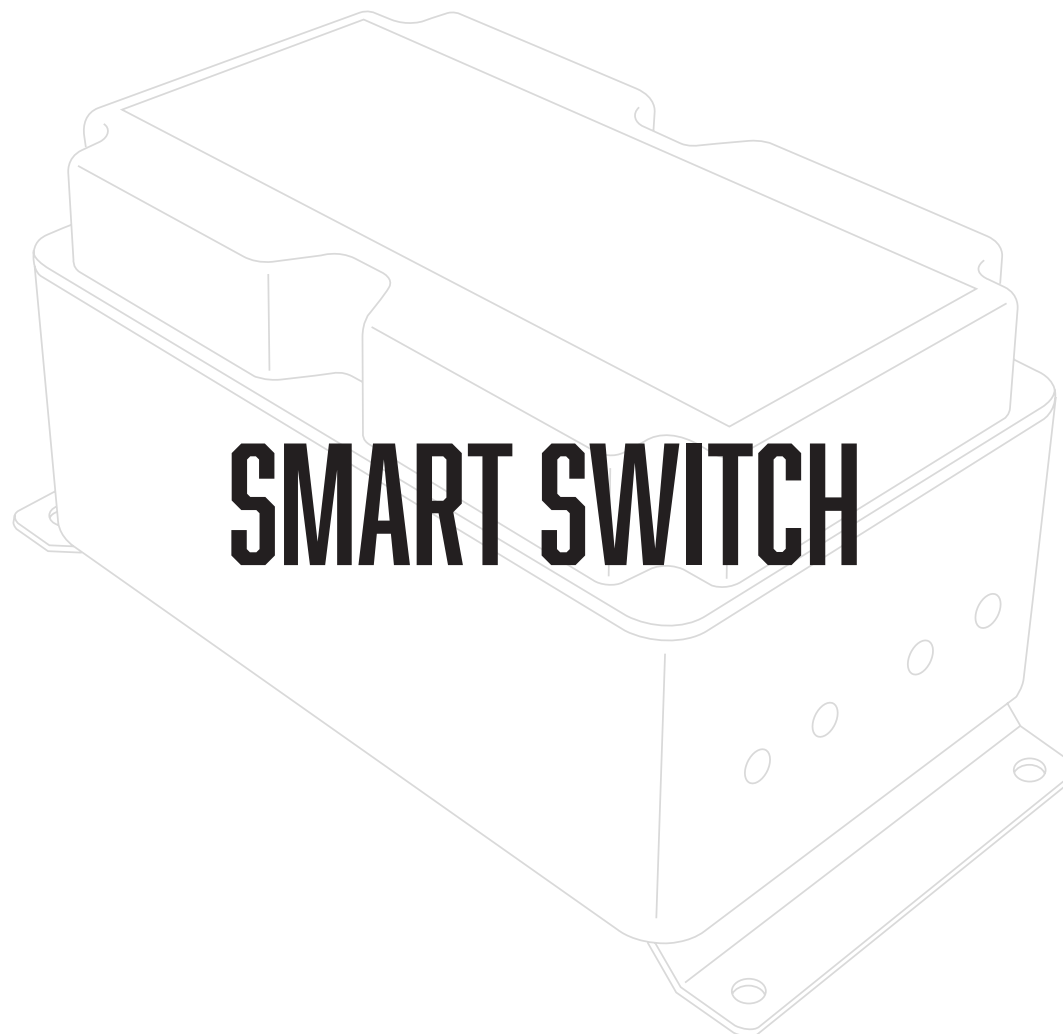


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1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

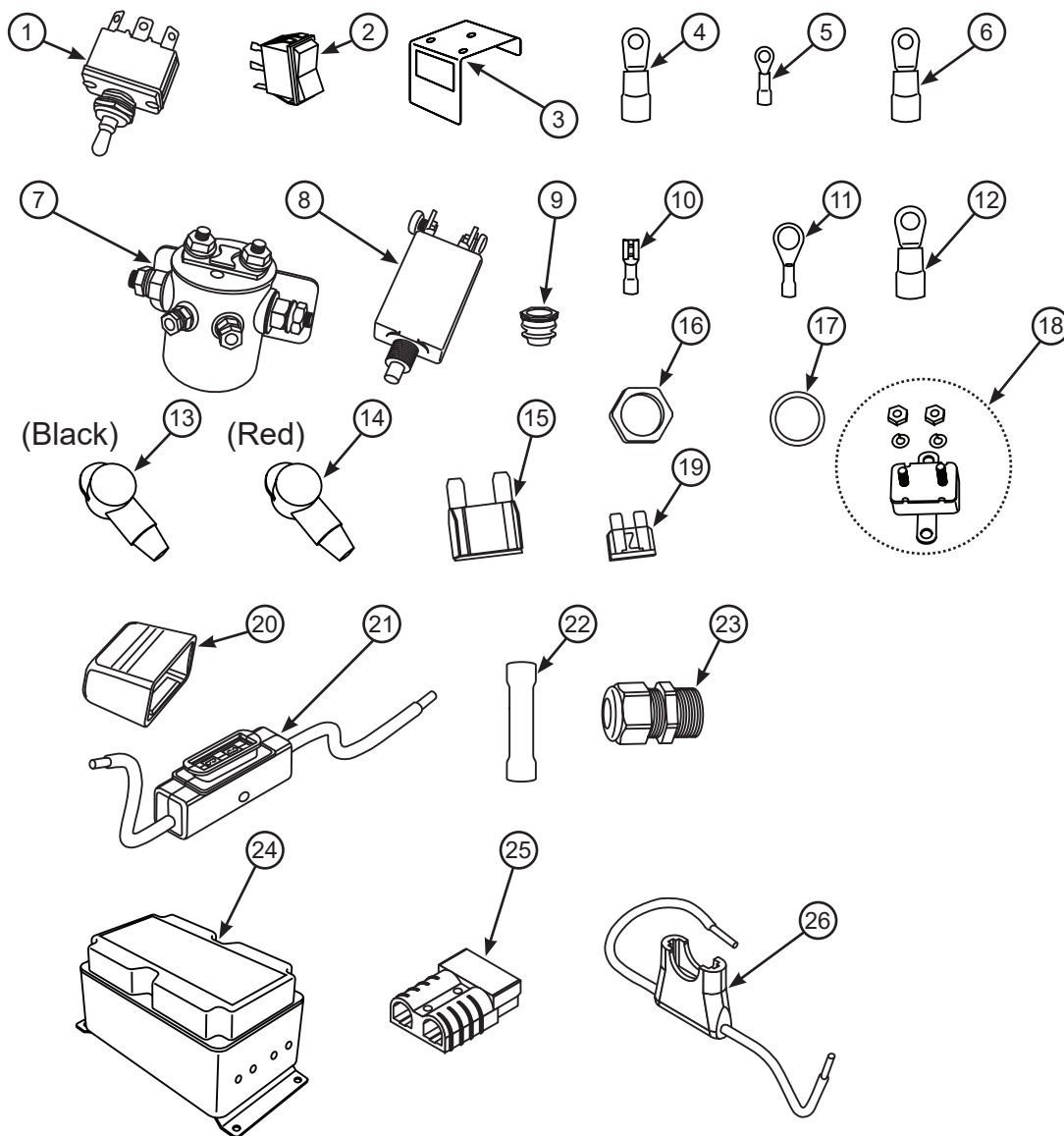




1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

Smart Switch with Cab / External Switch - 24 Volt #501-9933



ITEM	PART #	DESCRIPTION	QTY
1	514-0130	Sealed Toggle Switch	1
2	514-0117	Rocker Switch 3 Position Momentary	1
3	514-9954	Rocker Switch Bracket	1
4	514-0307	Connector 6 Ga. #10 Stud	2
5	514-0303	Connector 14 Ga. #10 Terminal	4
6	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	6
7	514-9916	Solenoid 24 Volt	2
8	514-0407	50 Amp Circuit Breaker	1
9	514-0419	Boot for 50 Amp Circuit Breaker	1
10	514-0321	16 Ga. Push on Female Terminal	3
11	514-0315	Connector 14Ga. 5/16" Eyelet	2
12	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
13	514-0317	Black Terminal Boot	2
14	514-0319	Red Terminal Boot	2
15	514-0417	80 Amp Blade Fuse	1
16	514-0325	Strain Relief Seal	1
17	514-0324	Strain Relief Lock Washer	1
18	514-0413	24V 40 Amp Type III Breaker	--
19	514-0415	15 Amp 32V DC Blade Fuse	1
20	514-0431	Line Fuse Holder 80 Amp Cover	1
21	514-0418	Line Fuse Holder 80 Amp	1
22	514-0318	Butt Connector 6 Ga.	1
23	514-0323	Strain Relief 1/2" NPT	1
24	517-9923	Plastic Flanged Solenoid Box	1
25	514-0505	Quick Disconnect Term 50 Amp Gray	1
26	514-0416	In Line Fuse Holder for 15 Amp	1
--	514-0127	24V Retro Fit Kit (Not shown)	1
--	514-0211	#16 - 3 Wire PVC 27# Copper	25'

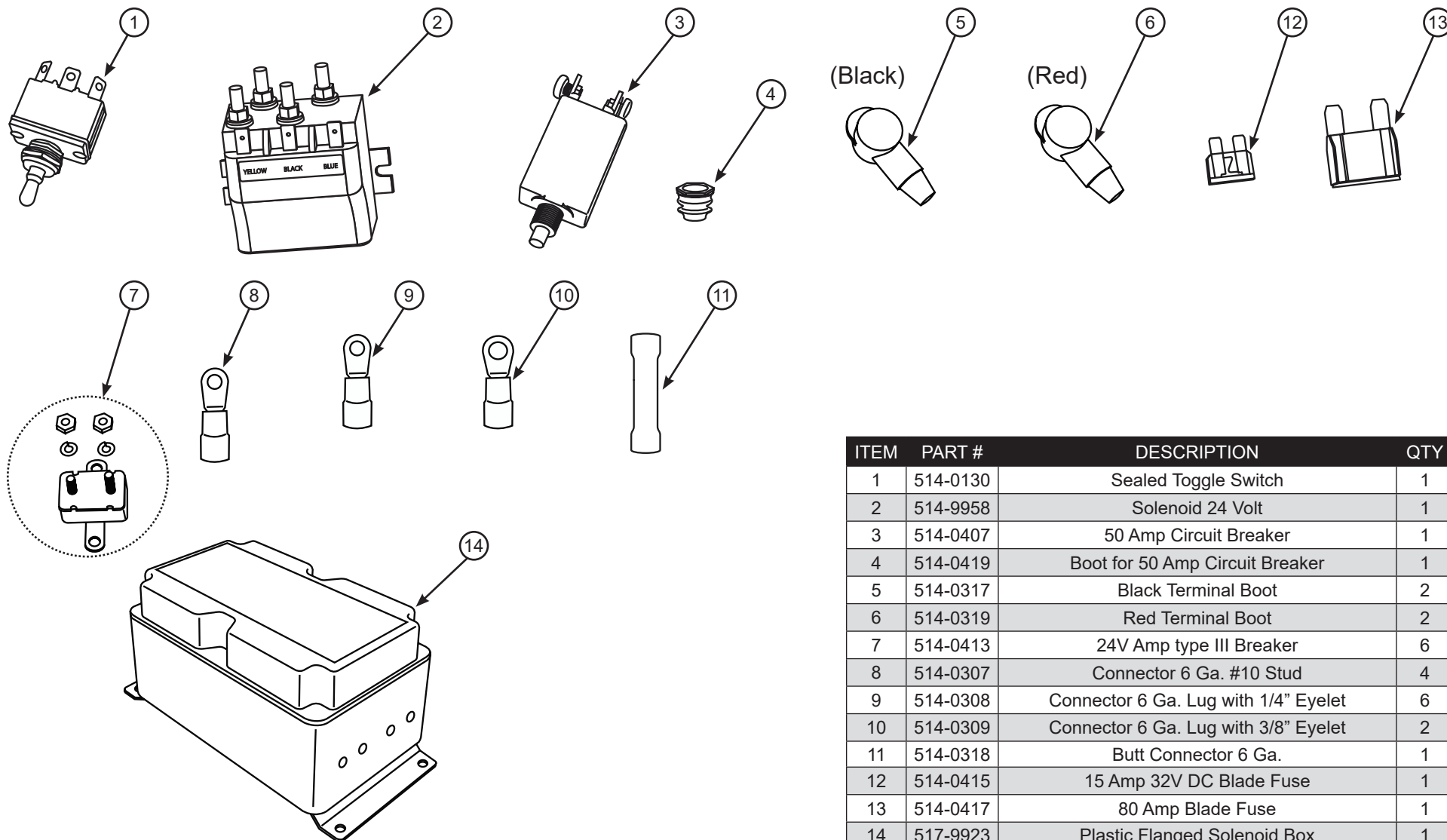
REV. 12/19/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

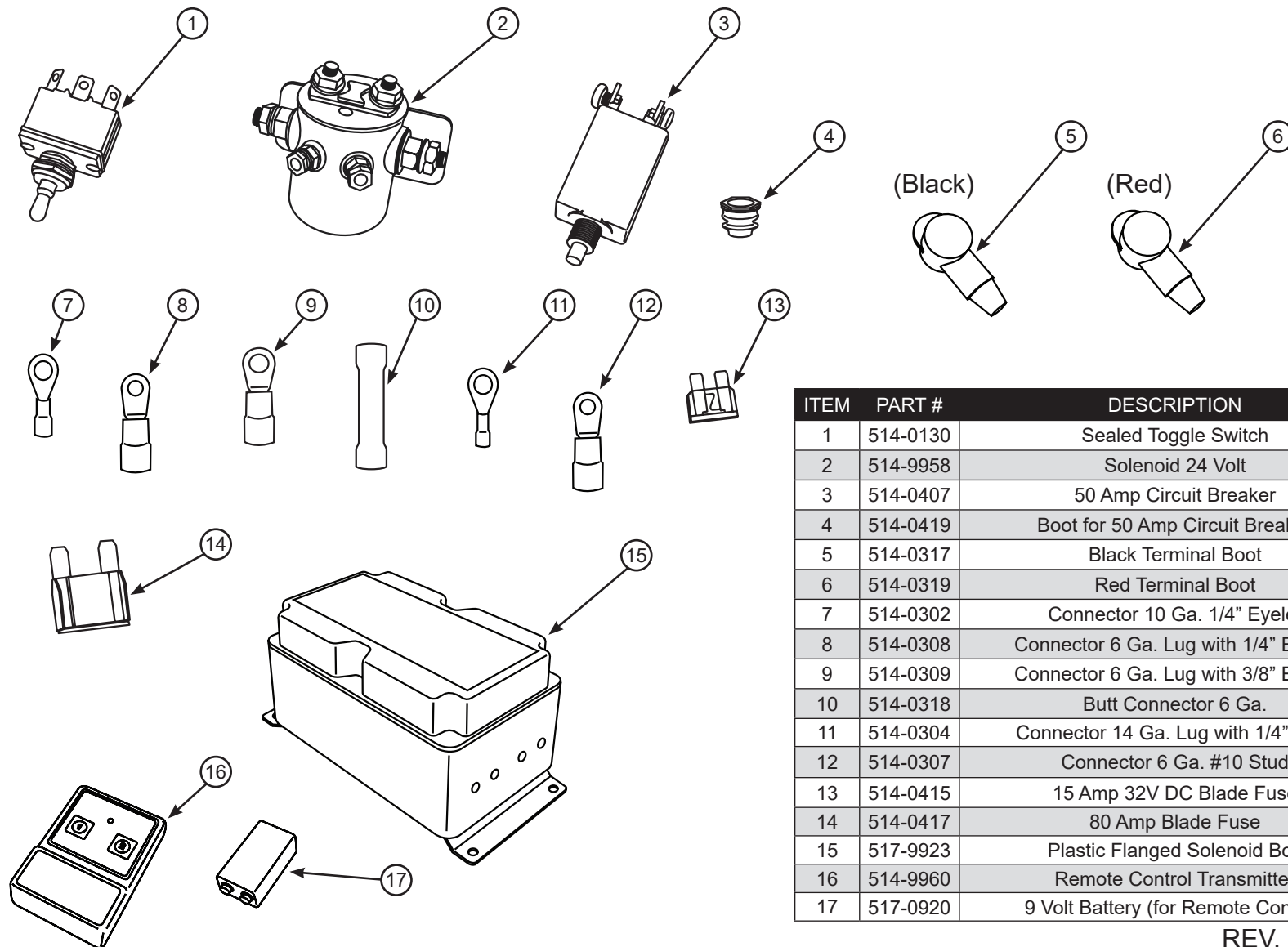
Smart Switch with External Switch - 24 Volt #501-9949



ITEM	PART #	DESCRIPTION	QTY
1	514-0130	Sealed Toggle Switch	1
2	514-9958	Solenoid 24 Volt	1
3	514-0407	50 Amp Circuit Breaker	1
4	514-0419	Boot for 50 Amp Circuit Breaker	1
5	514-0317	Black Terminal Boot	2
6	514-0319	Red Terminal Boot	2
7	514-0413	24V Amp type III Breaker	6
8	514-0307	Connector 6 Ga. #10 Stud	4
9	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	6
10	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
11	514-0318	Butt Connector 6 Ga.	1
12	514-0415	15 Amp 32V DC Blade Fuse	1
13	514-0417	80 Amp Blade Fuse	1
14	517-9923	Plastic Flanged Solenoid Box	1

REV. 12/19/17 WLH

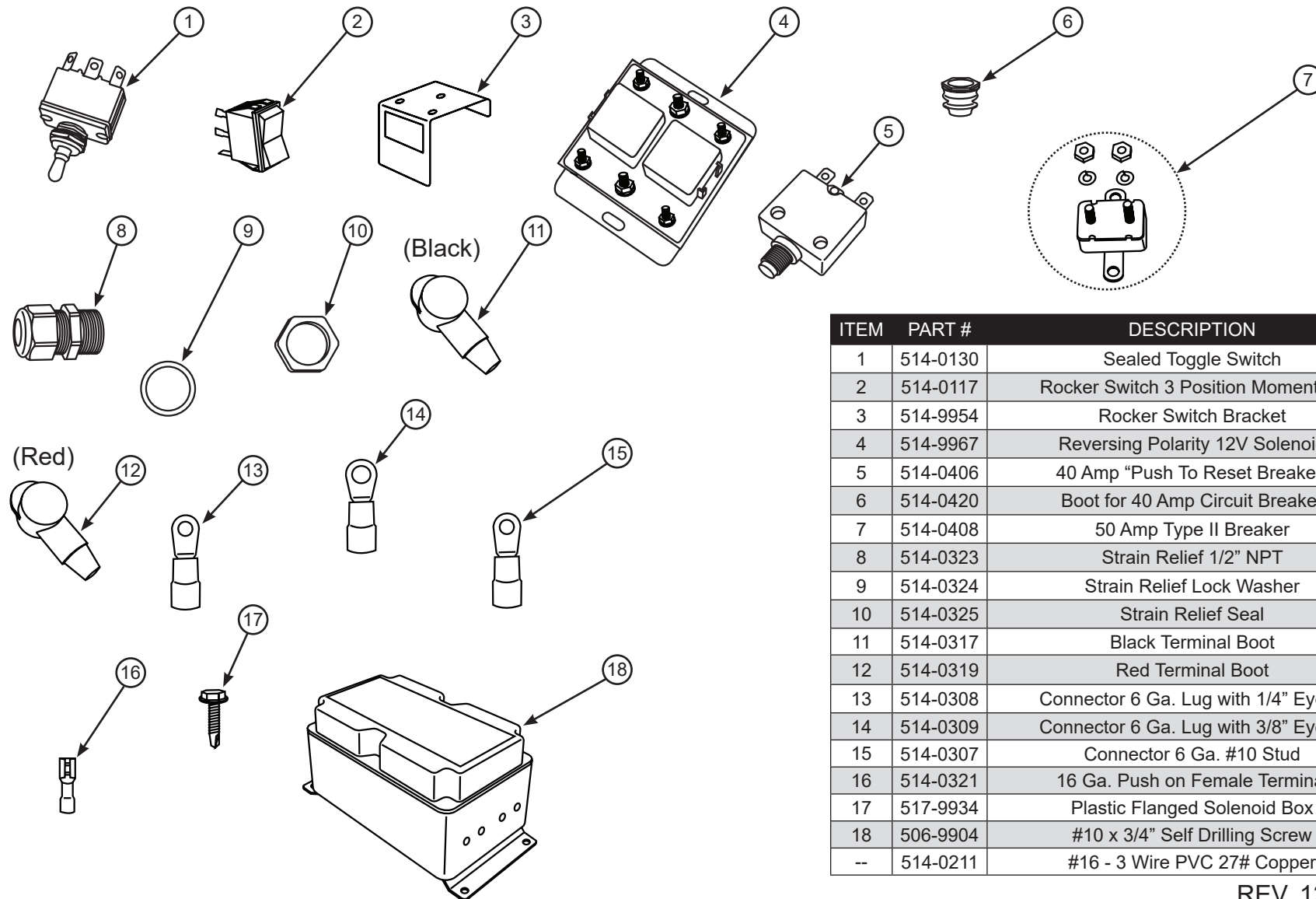
Smart Switch with External Remote - 24 Volt #501-9950



ITEM	PART #	DESCRIPTION	QTY
1	514-0130	Sealed Toggle Switch	1
2	514-9958	Solenoid 24 Volt	2
3	514-0407	50 Amp Circuit Breaker	1
4	514-0419	Boot for 50 Amp Circuit Breaker	1
5	514-0317	Black Terminal Boot	2
6	514-0319	Red Terminal Boot	2
7	514-0302	Connector 10 Ga. 1/4\" Eyelet	6
8	514-0308	Connector 6 Ga. Lug with 1/4\" Eyelet	6
9	514-0309	Connector 6 Ga. Lug with 3/8\" Eyelet	2
10	514-0318	Butt Connector 6 Ga.	1
11	514-0304	Connector 14 Ga. Lug with 1/4\" Hole	2
12	514-0307	Connector 6 Ga. #10 Stud	1
13	514-0415	15 Amp 32V DC Blade Fuse	1
14	514-0417	80 Amp Blade Fuse	1
15	517-9923	Plastic Flanged Solenoid Box	1
16	514-9960	Remote Control Transmitter	1
17	517-0920	9 Volt Battery (for Remote Control)	1

REV. 12/19/17 WLH

Smart Switch with Cab / External Switch - 12 Volt #501-9952



ITEM	PART #	DESCRIPTION	QTY
1	514-0130	Sealed Toggle Switch	1
2	514-0117	Rocker Switch 3 Position Momentary	1
3	514-9954	Rocker Switch Bracket	1
4	514-9967	Reversing Polarity 12V Solenoid	1
5	514-0406	40 Amp "Push To Reset Breaker"	1
6	514-0420	Boot for 40 Amp Circuit Breaker	1
7	514-0408	50 Amp Type II Breaker	1
8	514-0323	Strain Relief 1/2" NPT	1
9	514-0324	Strain Relief Lock Washer	1
10	514-0325	Strain Relief Seal	1
11	514-0317	Black Terminal Boot	2
12	514-0319	Red Terminal Boot	2
13	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	6
14	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
15	514-0307	Connector 6 Ga. #10 Stud	2
16	514-0321	16 Ga. Push on Female Terminal	3
17	517-9934	Plastic Flanged Solenoid Box	1
18	506-9904	#10 x 3/4" Self Drilling Screw	2
--	514-0211	#16 - 3 Wire PVC 27# Copper	25'

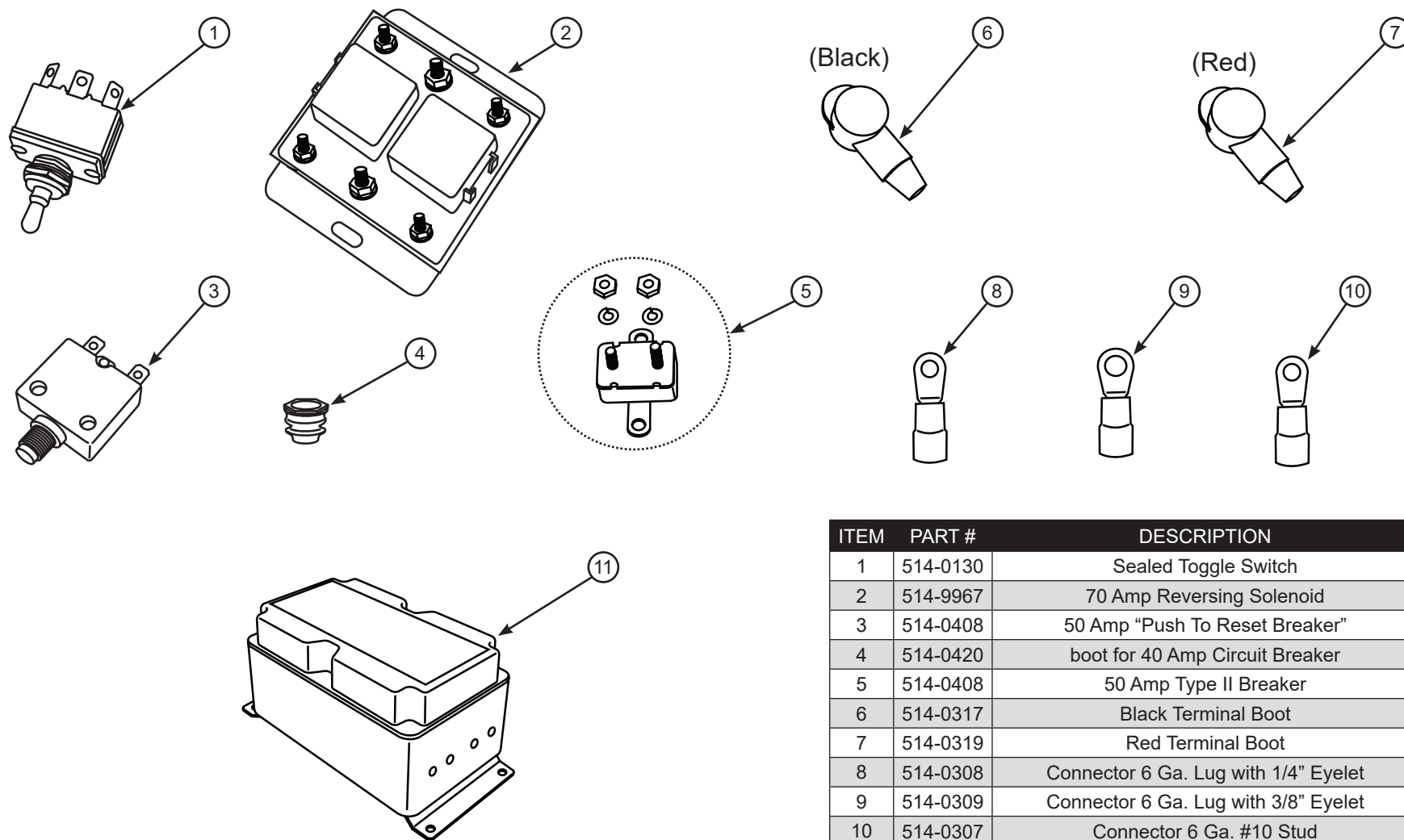
REV. 12/19/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

Smart Switch with External Switch - 12 Volt #501-9953



ITEM	PART #	DESCRIPTION	QTY
1	514-0130	Sealed Toggle Switch	1
2	514-9967	70 Amp Reversing Solenoid	1
3	514-0408	50 Amp "Push To Reset Breaker"	1
4	514-0420	boot for 40 Amp Circuit Breaker	1
5	514-0408	50 Amp Type II Breaker	1
6	514-0317	Black Terminal Boot	2
7	514-0319	Red Terminal Boot	2
8	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	6
9	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
10	514-0307	Connector 6 Ga. #10 Stud	2
11	517-9923	Plastic Flanged Solenoid Box	1

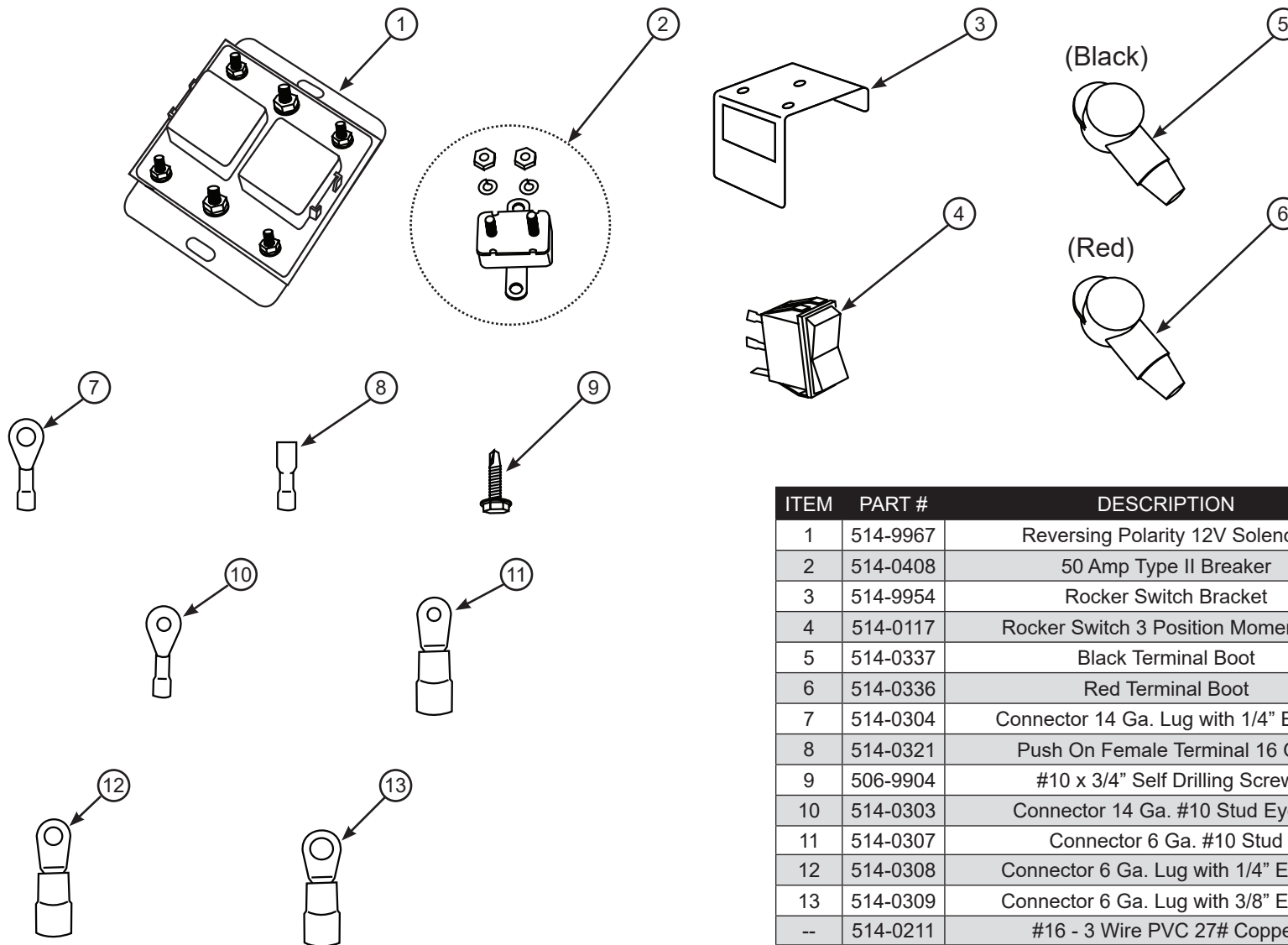
REV. 12/19/17 WLH



1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

Smart Switch Basic Kit #514-0114



ITEM	PART #	DESCRIPTION	QTY
1	514-9967	Reversing Polarity 12V Solenoid	1
2	514-0408	50 Amp Type II Breaker	1
3	514-9954	Rocker Switch Bracket	1
4	514-0117	Rocker Switch 3 Position Momentary	1
5	514-0337	Black Terminal Boot	2
6	514-0336	Red Terminal Boot	2
7	514-0304	Connector 14 Ga. Lug with 1/4" Eyelet	1
8	514-0321	Push On Female Terminal 16 Ga.	3
9	506-9904	#10 x 3/4" Self Drilling Screw	6
10	514-0303	Connector 14 Ga. #10 Stud Eyelet	2
11	514-0307	Connector 6 Ga. #10 Stud	2
12	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	6
13	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
--	514-0211	#16 - 3 Wire PVC 27# Copper	25'

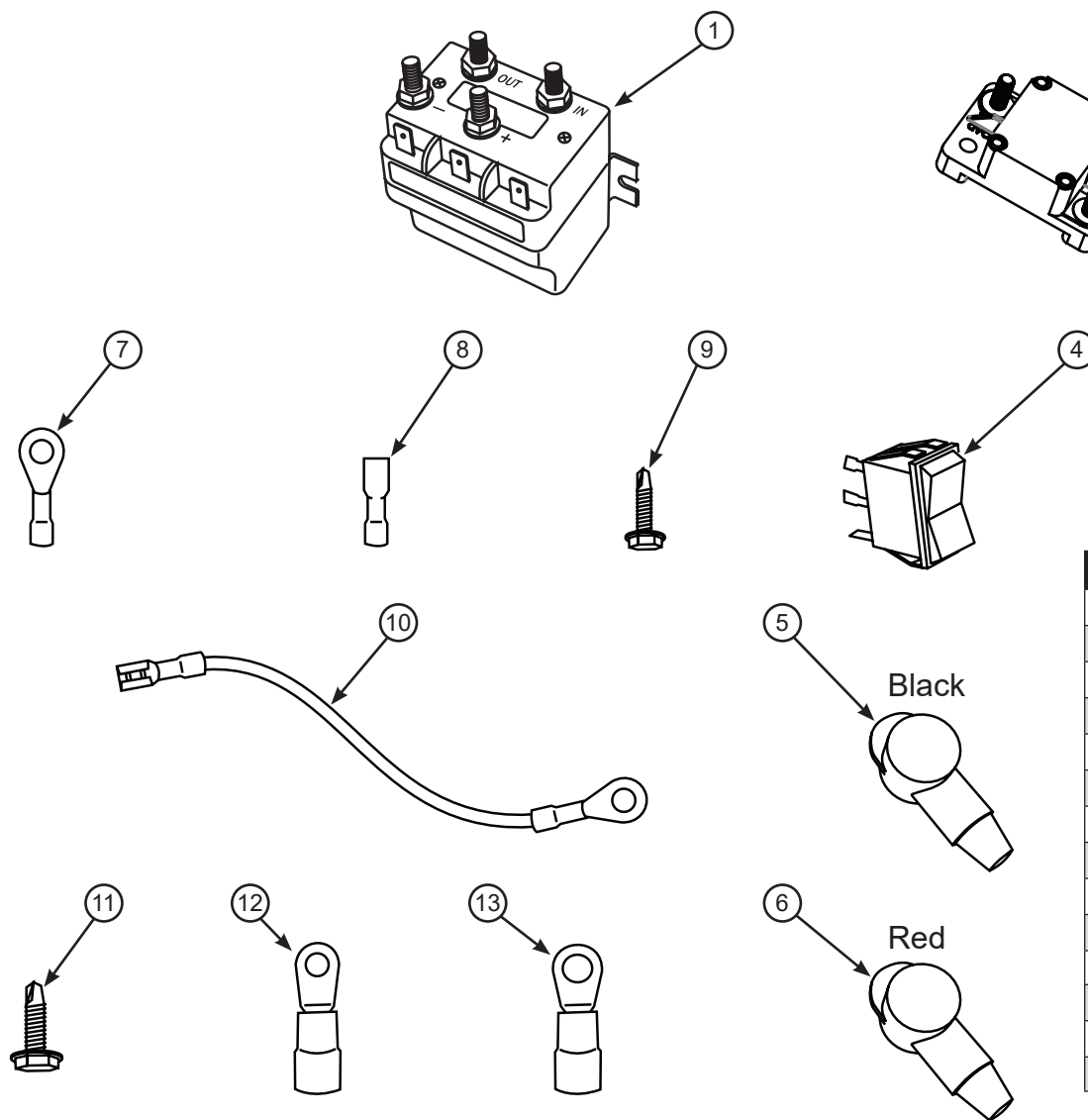
REV. 01/23/09 BAB



1404 N. Marshall Ave. El Cajon CA. 92020

Smart Switch

Deluxe High Amp Switch Kit - 12 Volt #514-0139



ITEM	PART #	DESCRIPTION	QTY
1	514-9996	Reversing Polarity 12V Solenoid	1
2	514-0432	50 Amp Type I Breaker	1
3	514-9954	Rocker Switch Bracket	1
4	514-0117	Rocker Switch 3 Position Momentary	1
5	514-0337	Black Terminal Boot	2
6	514-0336	Red Terminal Boot	2
7	514-0304	Connector 14 Ga. Lug with 1/4" Eyelet	1
8	514-0321	Push On Female Terminal 16 Ga.	5
9	506-9904	#10 x 3/4" Self Drilling Screw	4
10	514-9921	4" Black 10ga. Jumper Wire	1
11	506-9929	#12-14 Self Drilling TEK Screw	2
12	514-0308	Connector 6 Ga. Lug with 1/4" Eyelet	8
13	514-0309	Connector 6 Ga. Lug with 3/8" Eyelet	2
--	514-0211	#16 - 3 Wire PVC 27# Copper	25'

REV. 10/25/16 WLH