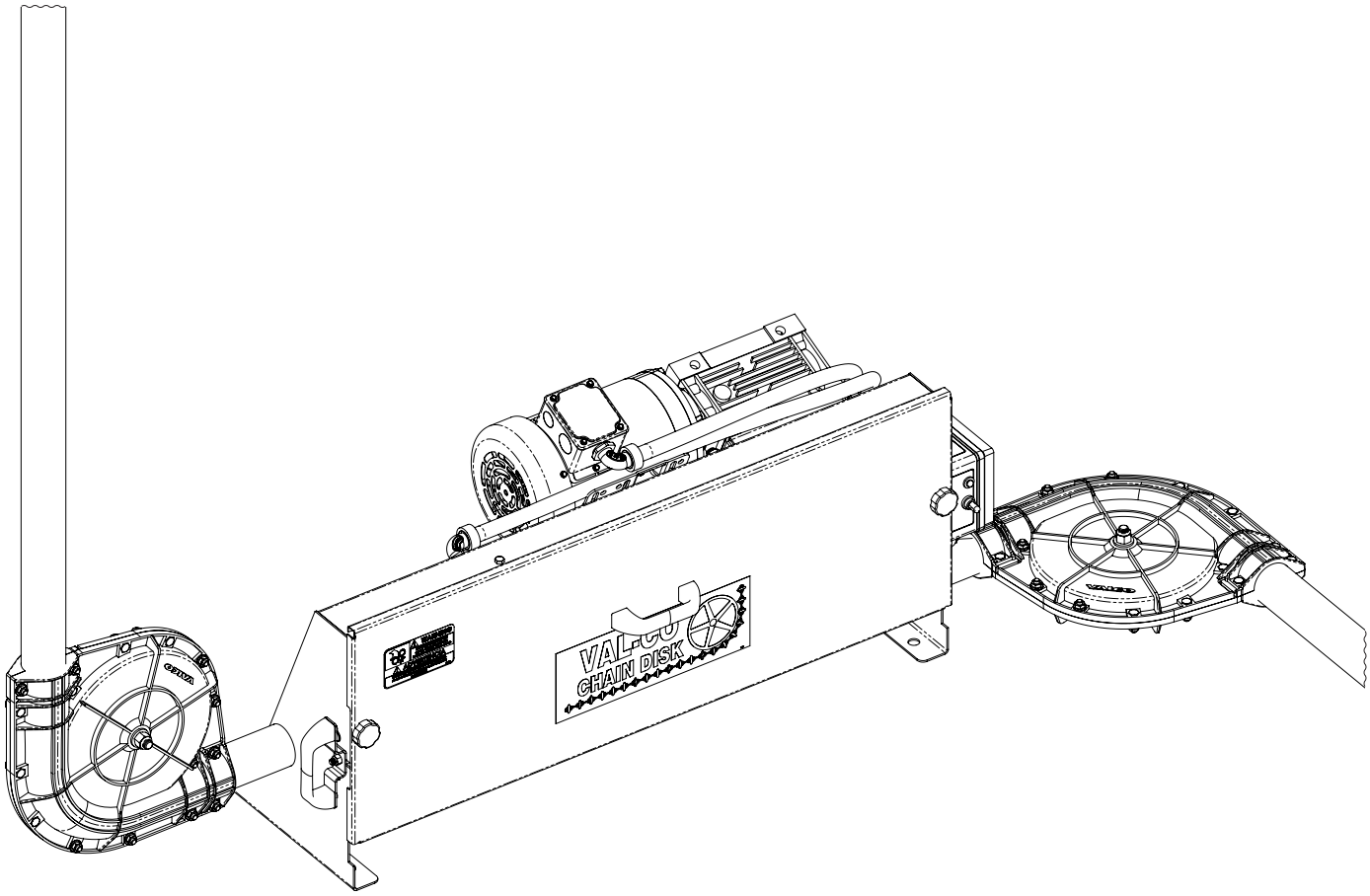
CHAIN DISK FEED DELIVERY SYSTEM

780160, 780162

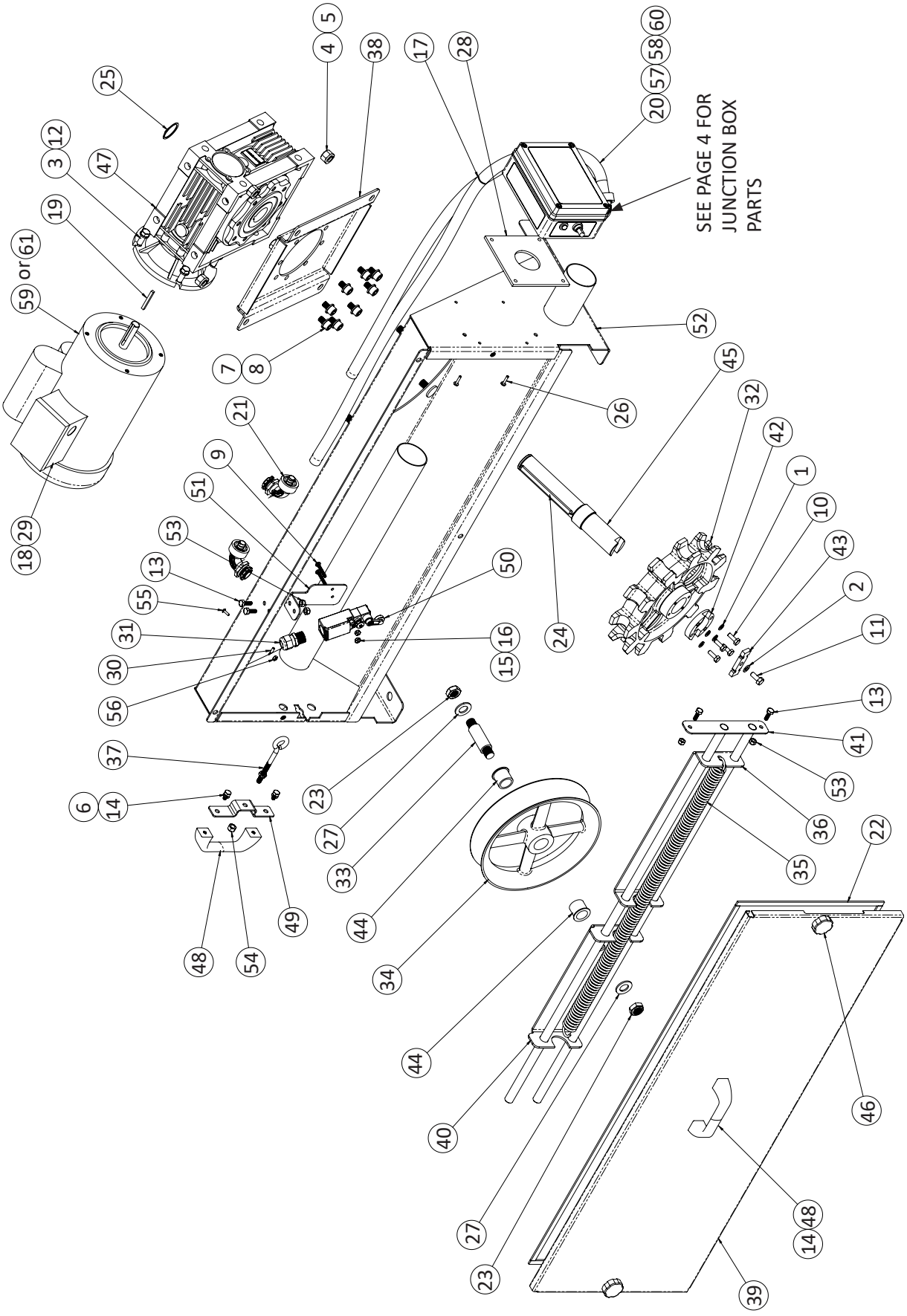
Repair Parts List



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Parts Pages

Chain Disk Drive Unit (780160 and 780162) - Exploded View



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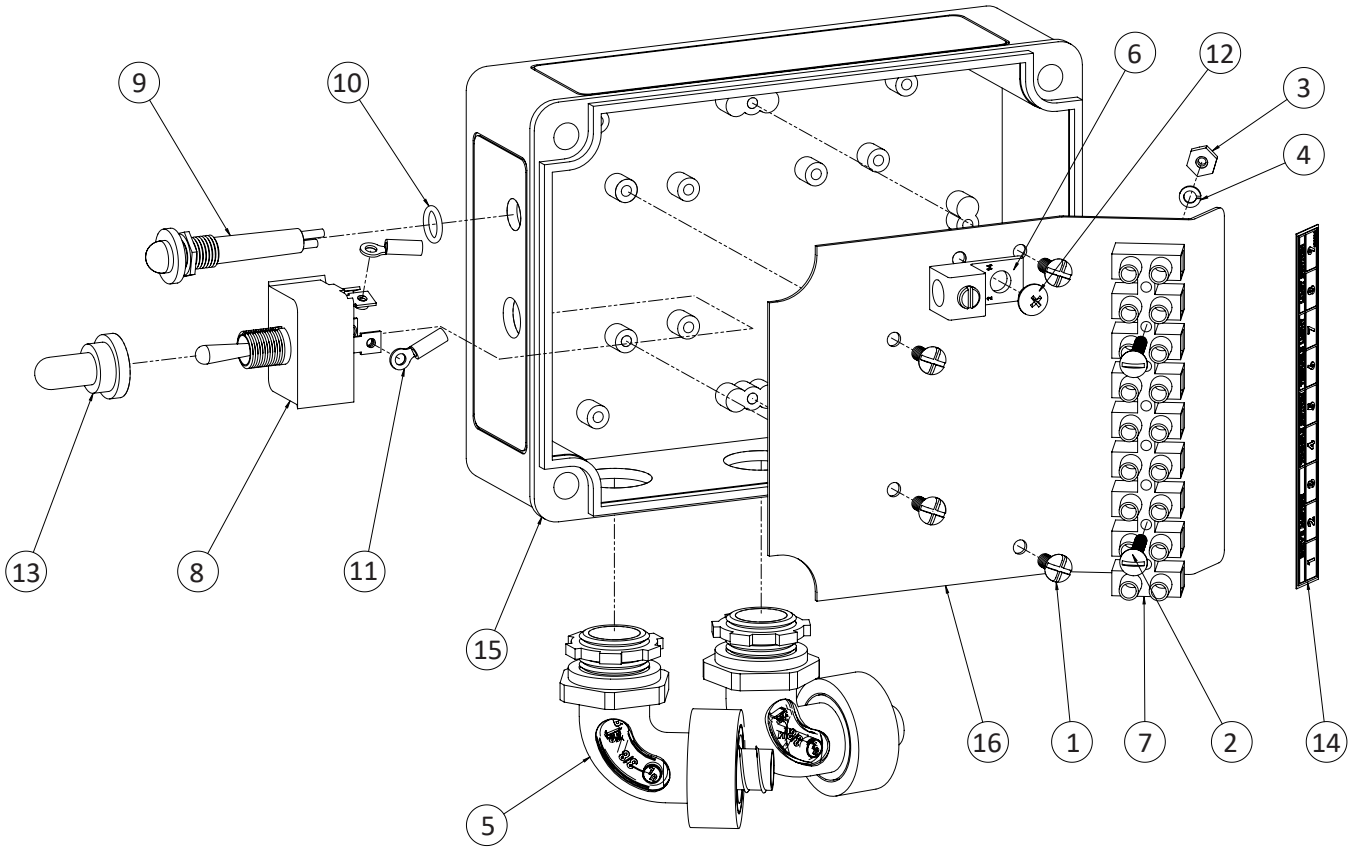
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Chain Disk Drive Unit (780160 and 780162) - Parts List

ITEM #	PART #	QTY	DESCRIPTION
780160 - 1 PHASE and 780162 - 3 PHASE (common parts)			
1	010251	4	1/4” MED SPLIT LOCK WASHER
2	010252	1	5/16”MED SPLIT LOCK WASHER
3	010253	4	3/8” MED SPLIT LOCK WASHER
4	010407	4	1/2” SS LOCK WASHER
5	010408	4	1/2-13 SS NUT
6	010409	2	1/4” SS LOCK WASHER
7	010411	8	M10 X 3/4” SS SOCKET HD CAP SCREW
8	010412	8	M10 SS LOCK WASHER
9	010422	2	#10 X 1-1/4” SS PAN MACHINE BOLT
10	010617	4	1/4-20 X 3/4” LG HCS BOLT
11	010643	1	5/16-18 X 3/4” HEX BOLT
12	010664	4	3/8” X 1” HEX HEAD BOLT
13	011426	4	1/4-20 X 3/4” SS HEX CAP SCREW
14	012615	4	1/4-20 X 1/2” SS HEX BOLT
15	012686	2	#10-24 SS MACHINE SCREW NUT
16	012687	2	#10 SS MEDIUM SPLIT LOCK WASHER
17	012800	2	7.5” PLASTIC CABLE TIE
18	305418	3	YELLOW WIRE NUT
19	420012	1	3/16” X 3/16” X 1-3/4” KEY
20	425044	5.6	1/2” BLACK FLEXIBLE TUBING
21	425045	4	90 DEG 1/2”CONDUIT CONNECTOR
22	501400	9	1/8” X 3/8” WEATHERSTRIPPING
23	690308	2	5/8-11 THIN HEX NYLOK NUT
24	690316	1	5/16” X 5/16” X 5” KEY
25	690317	1	EXT. RETAINING RING, 1.375” SHAFT
26	690376	4	10-24 X 3/4” SELF TAP SS SCREW
27	714352	2	5/8” ID X 1-1/4” OD SS WASHER
28	730046	1	DISCHARGE HEAD GASKET
29	730058	1	#10 BLUE RING TERMINAL, 16-14AWG
30	730513	3	#6 BLUE RING TERMINAL, 16-14AWG
31	750030	1	1/2” NPT STRAIGHT CORD GRIP
32	780004	1	MACHINED SPROCKET

ITEM #	PART #	QTY	DESCRIPTION
780160 - 1 PHASE and 780162 - 3 PHASE (common parts)			
33	780006	1	IDLER SHAFT
34	780008	1	IDLER, 60MM CHAIN DISC
35	780017	1	18” X 1-1/8” IN SS SPRING
36	780020	1	TENSIONER BRACKET
37	780023	1	5/16” X 2” SS EYE BOLT AND NUT
38	780025	1	REDUCER MOUNT BRACKET
39	780027	1	ACCESS PANEL
40	780030	1	SWITCH TRIP BRACKET
41	780033	1	RAIL WA, 60MM CHAIN DISC
42	780042	1	2.5” DIA X .438” SHEAR RING
43	780043	1	SHEAR PLATe
44	780051	2	NYLON IDLER BUSHING
45	780058	1	1.5” DIA DRIVE SHAFT
46	780069	2	ROSETTE HANDLE
47	780071	1	GEAR REDUCER, 40:1, RT ANGLE
48	780074	2	SPRING TENSIONER HANDLE
49	780075	1	SPRING TENSIONER BRACKET
50	780077	1	MANUAL RESET LIMIT SWITCH
51	780078	1	LIMIT SWITCH BRACKET
52	780165	1	DRIVE HOUSING ASSEMBLY
53	MH90043	4	1/4-20 SS HEX NYLOCK NUT
54	MH90044	1	5/16-18 SS HEX NYLOCK NUT
55	MH90935	1	6-32 X .50 SS PHILLIPS PH SCREW
56	MH90936	1	6-32 SS LOCK NUT
57	SPE-000-1045	8.5	14GA STANDARD WIRE, GREEN
58	SPE-000-1082	4.66	WIRE, 16-2 SJOOW 300V PER FT
(Specific to) 780160 - 1 PHASE			
59	775064	1	1P MOTOR, 2HP
60	SPE-000-1039	12.33	14 AWG STRAND WIRE, BLACK
(Specific to) 780162 - 3 PHASE			
61	780195	1	3P MOTOR, 2HP
60	SPE-000-1039	8.5	14 AWG STRAND WIRE, BLACK

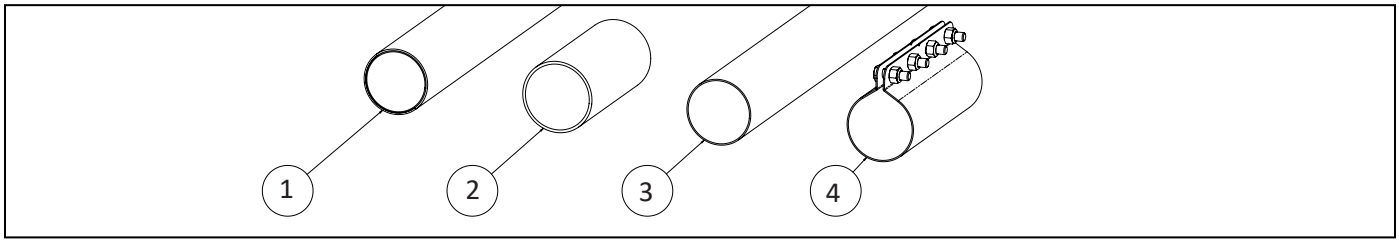
Chain Disk Drive Unit Junction Box (780160 and 780162)



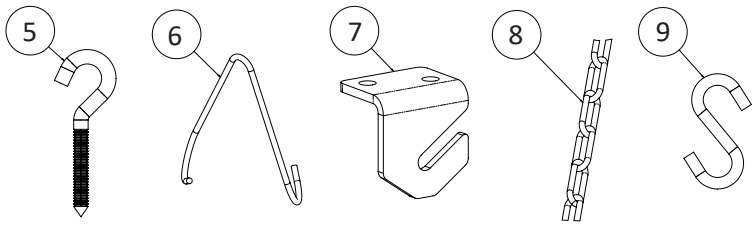
ITEM #	PART #	QTY	DESCRIPTION
	780160 - 1 PHASE and 780162 - 3 PHASE (common parts)		
1	011380	4	8-32 X 3/8” THD CUT PAN PH SCREW
2	012570	2	#6-32 X 1” RD HD MACHINE SCREW, SLOTTED
3	012731	2	#6-32 MACHINE NUT
4	012732	2	#6 LOCK WASHER
5	425045	4	90 DEG 1/2”CONDUIT CONNECTOR
6	450484	1	GROUND BLOCK
7	450555	1	9 HOLE TERMINAL BLOCK
8	723424	1	TOGGLE SWITCH, DPST, 10A, 250V SCREW TERMINALS
9	730043	1	INDICATOR LIGHT, RED 250V,1/2W PANEL MOUNT
10	730502	1	3/8” ID X 1/2” OD BUNA-N O-RING
11	730513	3	#6 BLUE RING TERMINAL, 16-14AWG
12	730516	1	10-32 X 1/4” PPH TRS SCREW
13	750657	1	TOGGLE SWITCH BOOT
14	780036	1	DECAL, JUNCTION BOX WIRES
15	780082	1	JUNCTION BOX ENCLOSURE ASSEMBLY
16	780083	1	TERMINAL STRIP MOUNT PLATE

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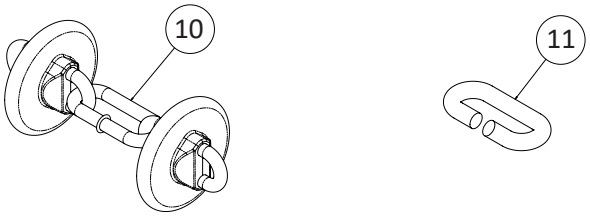
Chain, Disk, Tubes, and Hangers



ITEM #	PART #	QTY	DESCRIPTION
			PVC TUBES
1	780600	EACH	WHITE PVC TUBE - 2.36” X 10’ (60MM X 3M)
	780610	EACH	CLEAR PVC TUBE - 2.36” X 10’ (60MM X 3M)
2	780601	EACH	PVC TUBE SPLICE
-	VG125	EACH	PVC CEMENT - QUART
			STEEL TUBES
3	775030	EACH	STEEL TUBE, 2.37” OD X 10’ LONG, G90
	775129	EACH	STEEL TUBE, 2.37” OD X 20’ LONG, G90
4	775130	EACH	STEEL TUBE COUPLER, GALVANIZED, PER PIECE
	775026	EACH	STEEL TUBE COUPLER, CARTON OF 15



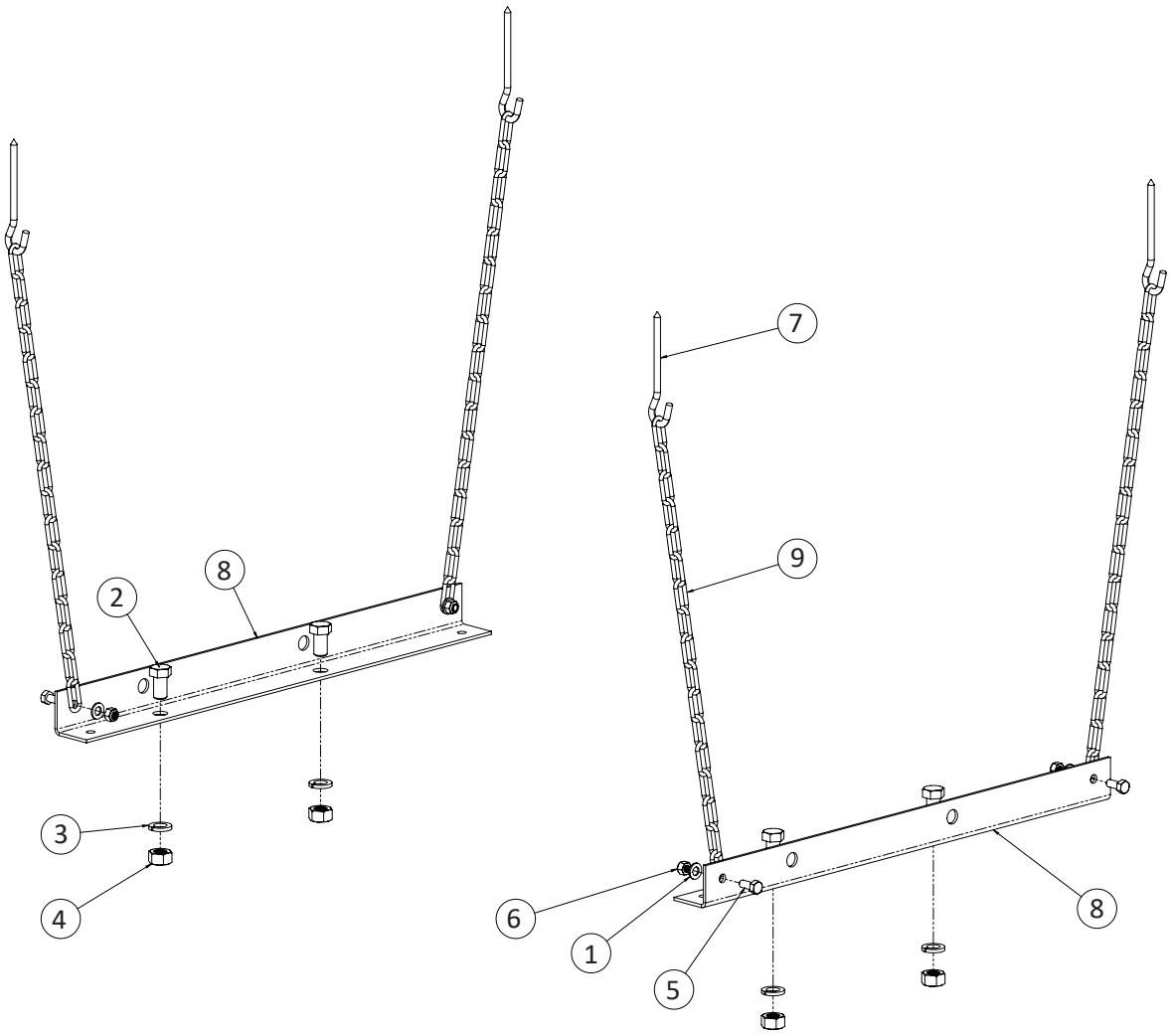
ITEM #	PART #	QTY	DESCRIPTION
			TUBE HANGERS
5	713441	EACH	5/16” X 5” SCREW HOOK
	VEN91504C	EACH	5/16” X 3-1/2” SCREW HOOK
6	720220	EACH	TUBE HANGER
7	820055	EACH	CEILING BRACKET (AND HARDWARE) FOR STEEL TRUSSES
8	820099	FOOT	#2 DOUBLE LOOP HANGER CHAIN PER FT
9	VEN91507C	EACH	1/4” X 2-1/4” S HOOK



QTY	PART #	QTY	DESCRIPTION
			CHAIN AND DISK
10	780068	150	BAG OF 150’ - 46MM CHAIN AND DISK
11	780072	1	CHAIN CONNECTOR LINK (QTY 1) - FOR 780068 CHAIN
	780073	12	CHAIN CONNECTOR LINK (QTY 12) - FOR 780068 CHAIN

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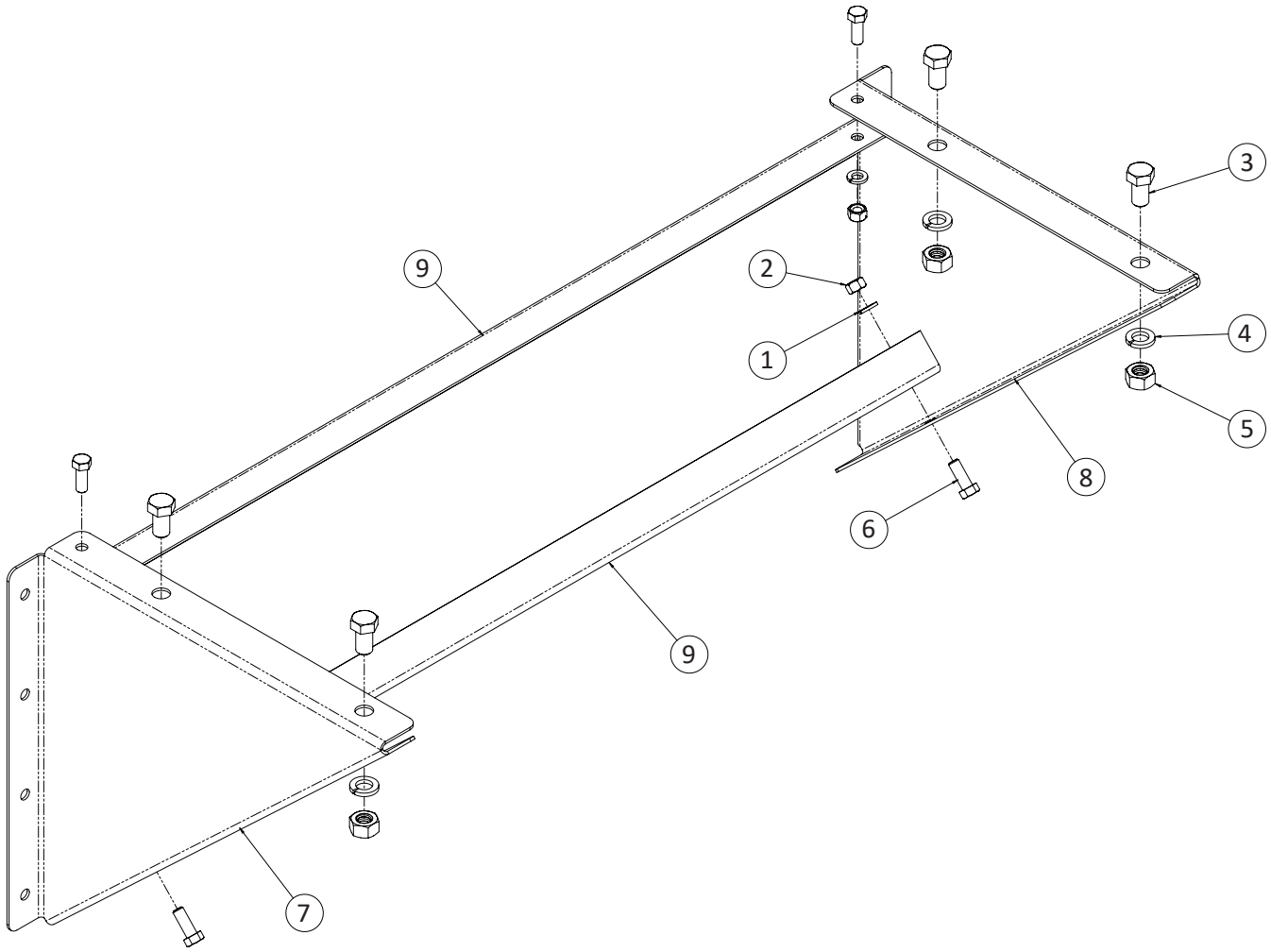
Suspension Kit (780310)



ITEM #	PART #	QTY	DESCRIPTION
780310 - SUSPENSION KIT			
1	010426	4	WASHER, FLAT 5/16” SAE ZP
2	010429	4	9/16-12 X 1” SS HEX BOLT
3	010435	4	9/16” SS LOCKWASHER
4	010436	4	9/16-12 SS NUT
5	010643	4	5/16-18 X 3/4” HEX BOLT
6	012789	4	5/16-18 NYLOCK NUT
7	713441	4	5/16” X 5” SCREW HOOK
8	780311	2	CHAIN DISK SUSPENSION RAIL
9	780318	4	CHAIN DISK SUSP, CHAIN 48”

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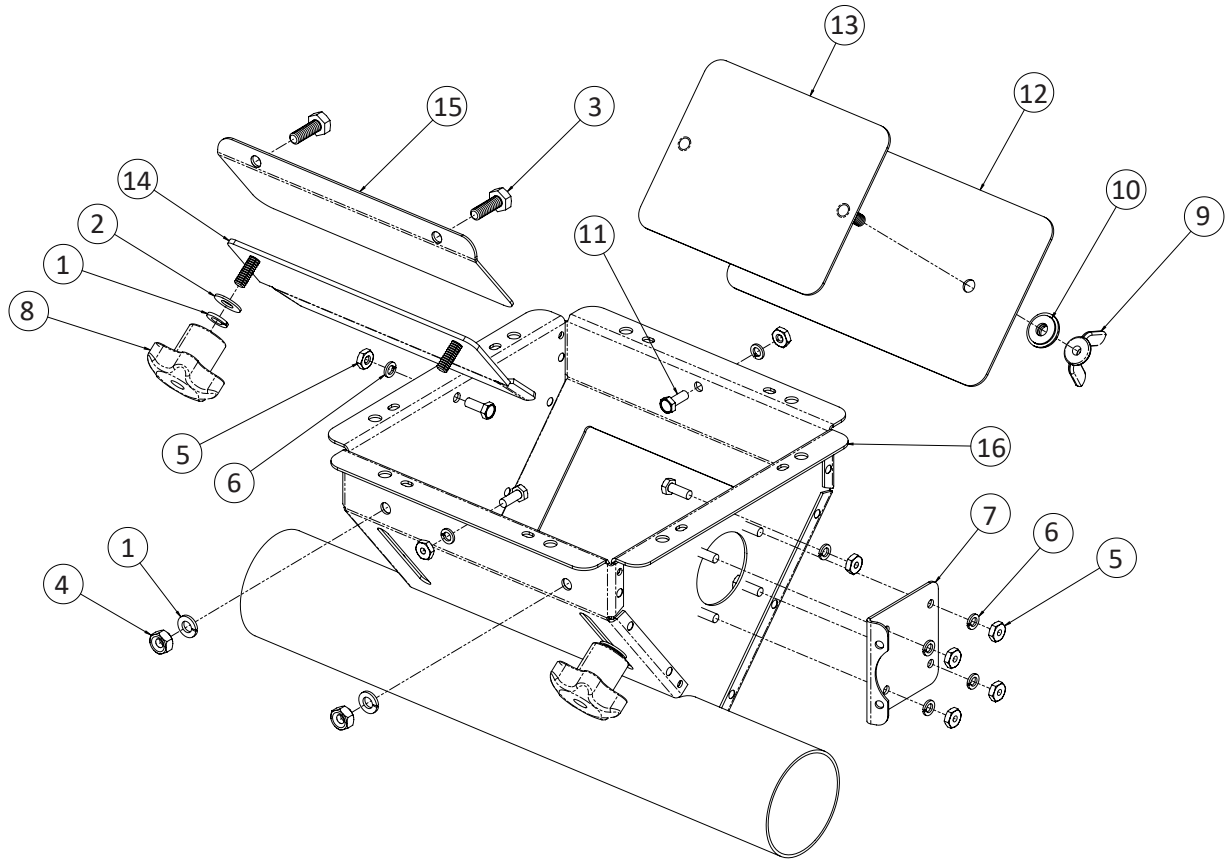
Wall Mount Kit (780300)



ITEM #	PART #	QTY	DESCRIPTION
780300 - WALL MOUNT KIT			
1	010257	4	3/8” SS LOCKWASHER
2	010258	4	3/8-16 SS FINISHED HEX NUT
3	010429	4	9/16-12 X 1” SS HEX BOLT
4	010435	4	9/16” SS LOCKWASHER
5	010436	4	9/16-12 SS NUT
6	010438	4	3/8-16 X 1” SS HEX BOLT
7	780301	1	LEFT WALL SUPPORT
8	780302	1	RIGHT WALL SUPPORT
9	780303	2	WALL SUPPORT ANGLE

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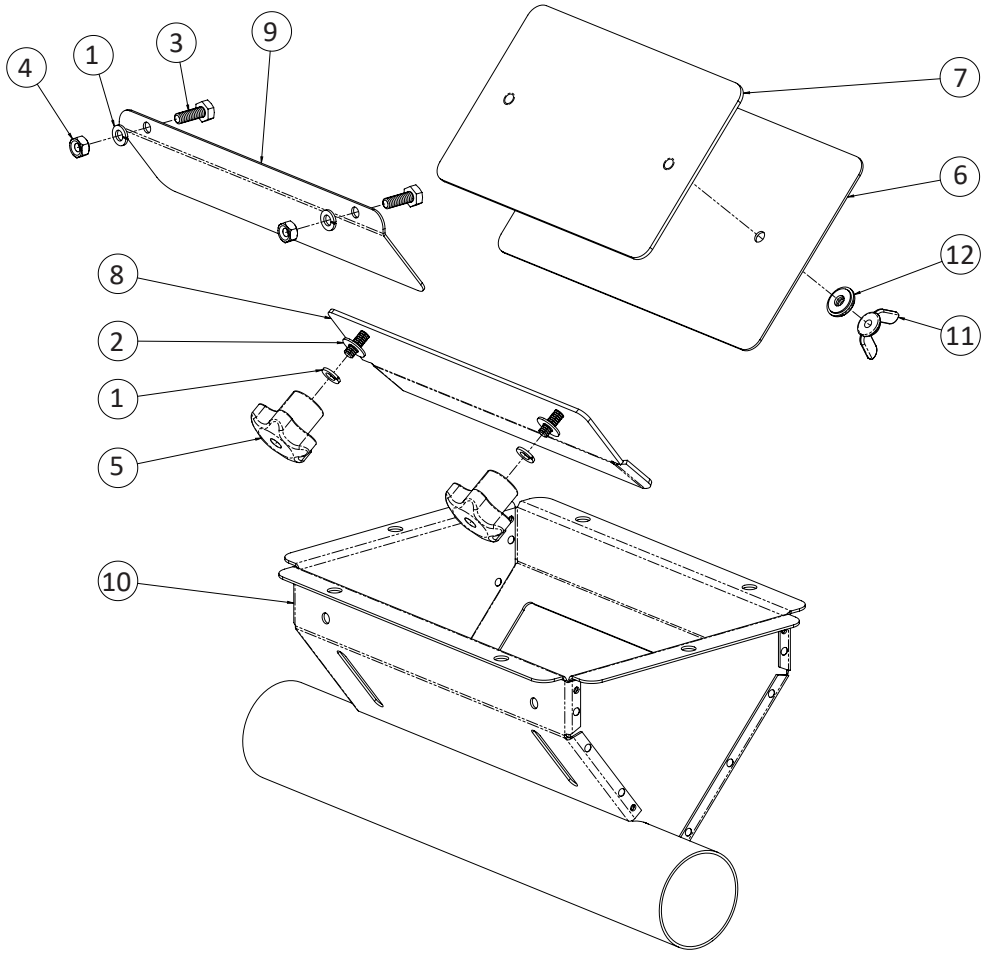
Fill Hopper Assembly (780780)



ITEM #	PART #	QTY	DESCRIPTION
	780780 - FILL HOPPER ASSEMBLY		
1	010409	4	1/4” SS LOCKWASHER
2	010410	2	1/4” SS FLAT WASHER
3	011426	2	HEX CAP SCREW,1/4”-20X3/4” SS GRADE 18-8
4	012679	2	FINISH NUT, 1/4”-20 SS GRI8-8
5	012686	8	#10-24 SS MACHINE SCREW NUT
6	012687	8	#10 SS MEDIUM SPLIT LOCKWASHER
7	780045	1	PROX SHIELD
8	780064	2	PLASTIC KNOB, 1/4-20 LOCKING
9	780273	2	1/4-20 SS WING NUT
10	780274	2	1/4” BONDING SEALING WASHER
11	780275	8	#10-24 X 1/2” SS HEX BOLT
12	780782	1	ACCESS DOOR
13	780783	1	DOOR RETAINER
14	780788	1	FEED GATE
15	780789	1	GATE SHIELD
16	780790	1	60MM CD FILL HOPPER - WELDED

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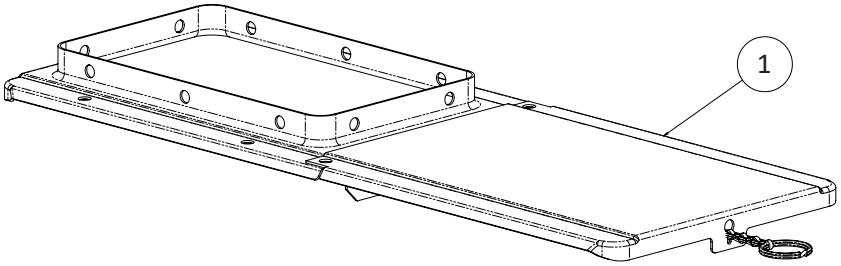
Fill Hopper, Bin Boot Assembly (780260)



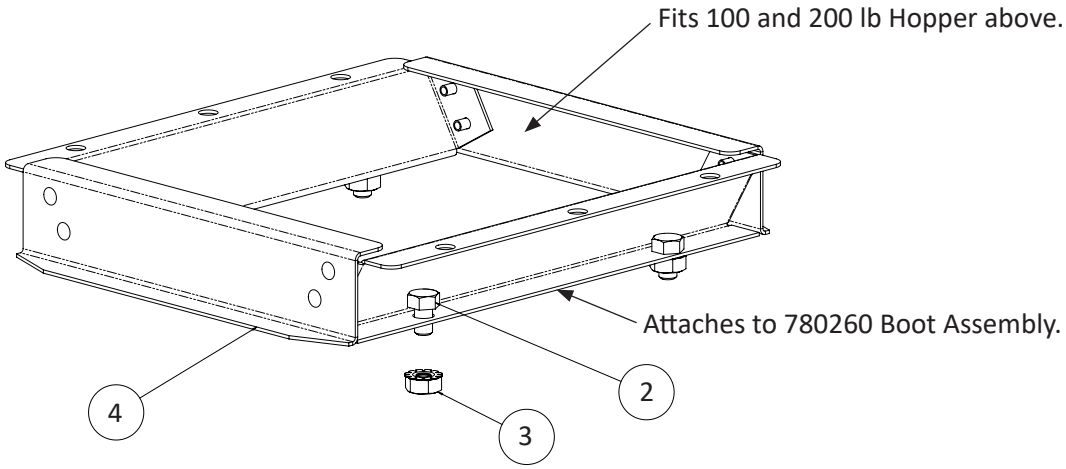
ITEM #	PART #	QTY	DESCRIPTION
780260 - FILL HOPPER, BIN BOOT ASSEMBLY			
1	010409	4	1/4” SS LOCKWASHER
2	010410	2	1/4” SS FLAT WASHER
3	011426	2	HEX CAP SCREW,1/4”-20X3/4” SS GRADE 18-8
4	012679	2	FINISH NUT, 1/4”-20 SS GRI8-8
5	780064	2	PLASTIC KNOB, 1/4-20 LOCKING
6	780262	1	ACCESS DOOR
7	780263	1	DOOR RETAINER
8	780268	1	FEED GATE
9	780269	1	GATE SHIELD
10	780270	1	60MM CD BIN BOOT HOPPER
11	780273	2	1/4-20 SS WING NUT
12	780274	2	1/4” BONDING SEALING WASHER

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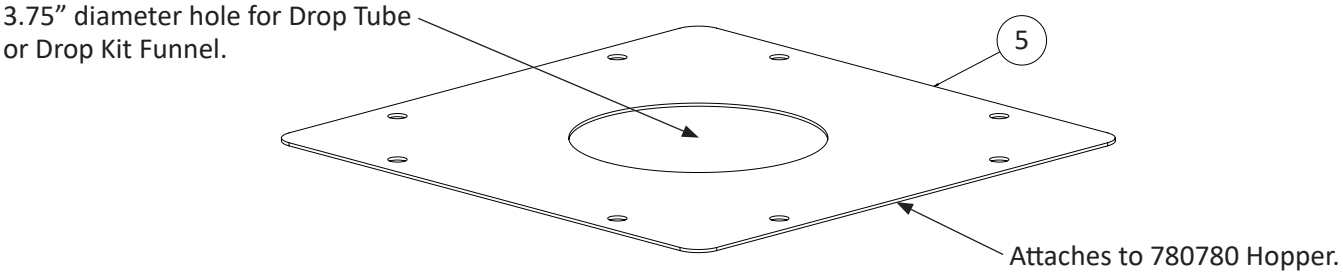
Hopper Adapters (500471, 730375 and 780795)



ITEM #	PART #	QTY	DESCRIPTION
1	500471	1	16” BIN BOOT SLIDE VALVE - SINGLE PLATE



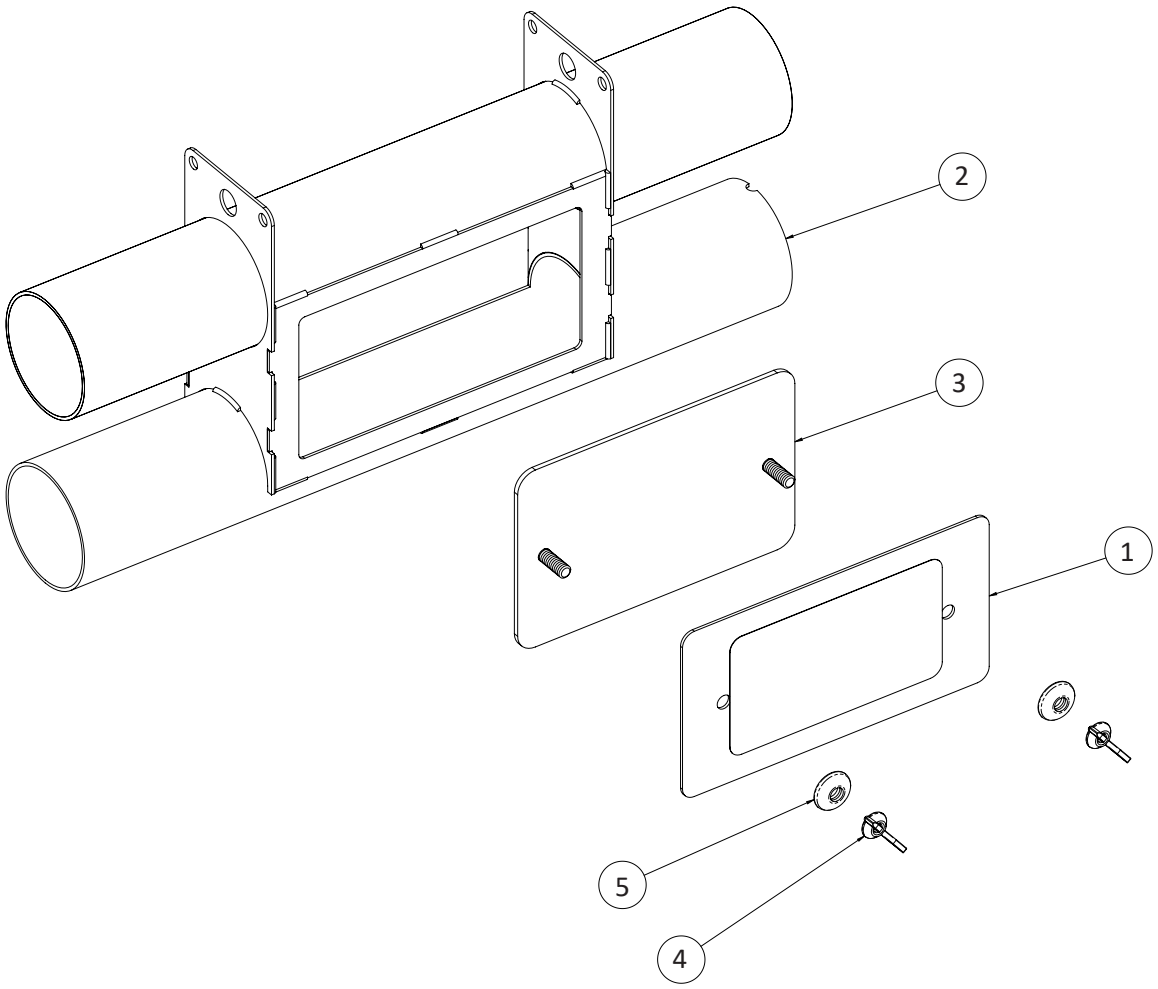
ITEM #	PART #	QTY	DESCRIPTION
730375 - FEED HOPPER ADAPTER ASSEMBLY			
2	010640	8	5/16-18 X 1/2” HEX BOLT
3	690020	8	5/16-18 KEP NUT
4	730375	1	FEED HOPPER ADAPTER ASSEMBLY



ITEM #	PART #	QTY	DESCRIPTION
5	780795	1	FILL HOPPER ADAPTER PLATE FOR ALL-OUT DROP

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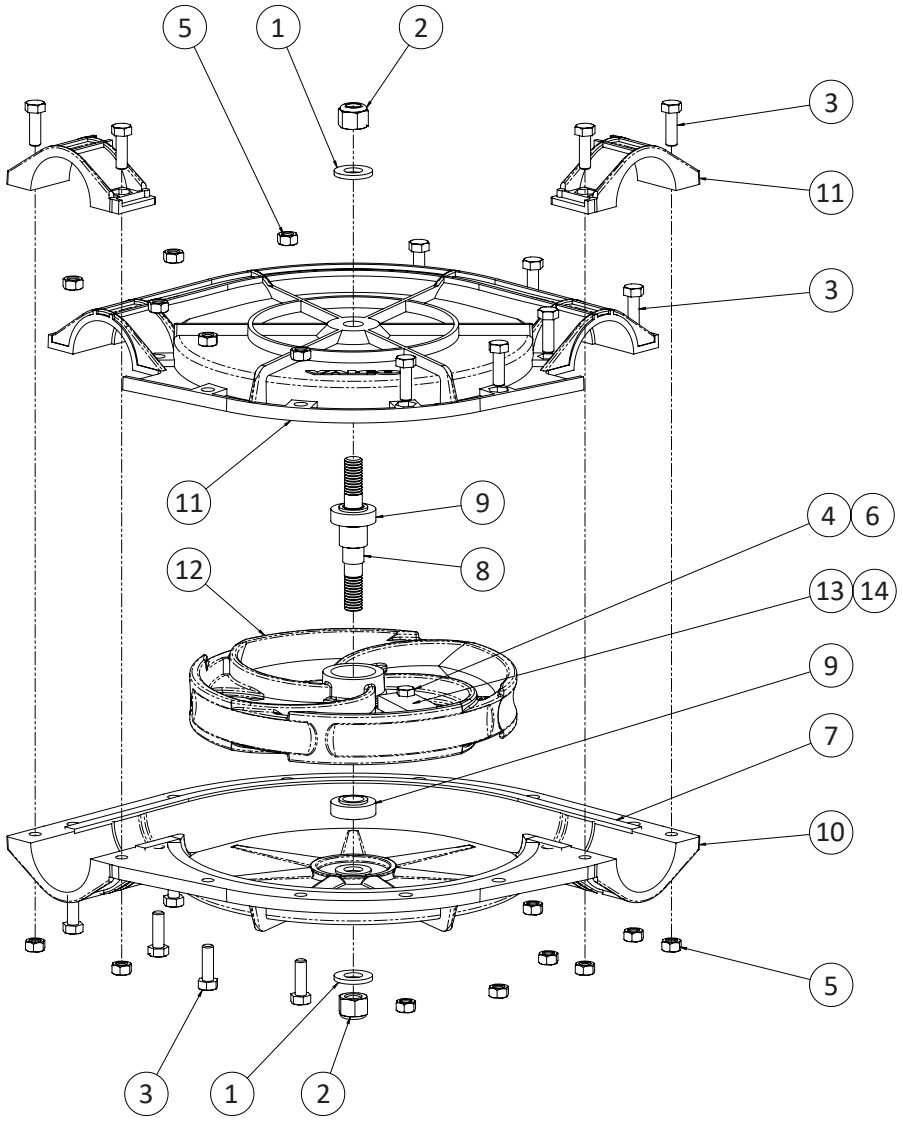
Line to Line Transfer (780170)



ITEM #	PART #	QTY	DESCRIPTION
780170 - LINE TO LINE TRANSFER UNIT			
1	780172	1	ACCESS DOOR
2	780176	1	TRANSFER HOUSING WELDMENT
3	780178	1	ACCESS DOOR RETAINER
4	780273	2	1/4-20 SS WING NUT
5	780274	2	1/4” BONDING SEALING WASHER

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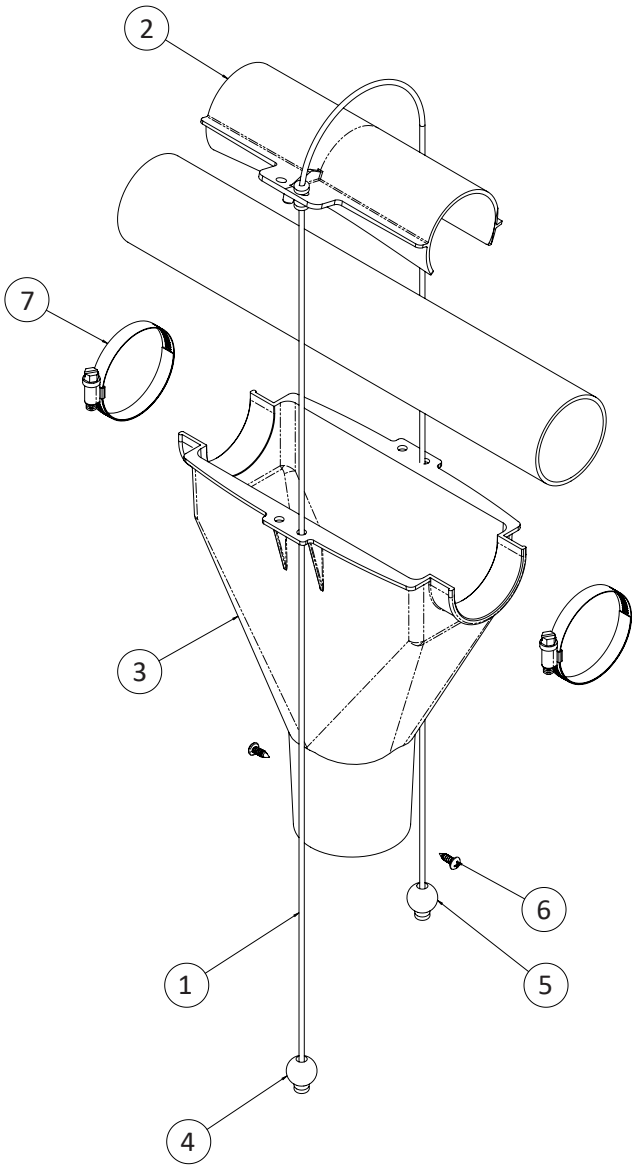
90 Degree ClearFlo Chain Disk Corner Assembly (780090)



ITEM #	PART #	QTY	DESCRIPTION
780090 - 90 DEGREE CLEARFLO CHAIN DISK CORNER ASSEMBLY			
1	010406	2	1/2” SS FLAT WASHER
2	010413	2	1/2-13 SS NYLOK NUT
3	010431	16	5/16-18 X 1” SS HEX BOLT
4	010616	2	1/4-20 X 5/8” HEX BOLT
5	012781	16	5/16-18 HEX NUT
6	012793	2	1/4-20 NYLOCK NUT
7	501400	3	1/8” X 3/8” WEATHERSTRIPPING
8	780003	1	CHAIN DISK CORNER POST
9	780005	2	15MM ID X 32MM OD BALL BEARING
10	780085	1	CLEARFLO CORNER HOUSING, BOTTOM
11	780086	1	CLEARFLO CORNER HOUSING, TOP
12	780087	1	CLEARFLO CORNER WHEEL
13	780091	1	HORIZONTAL BRUSH
14	780092	1	BRUSH HOLDER, WITH HOLES

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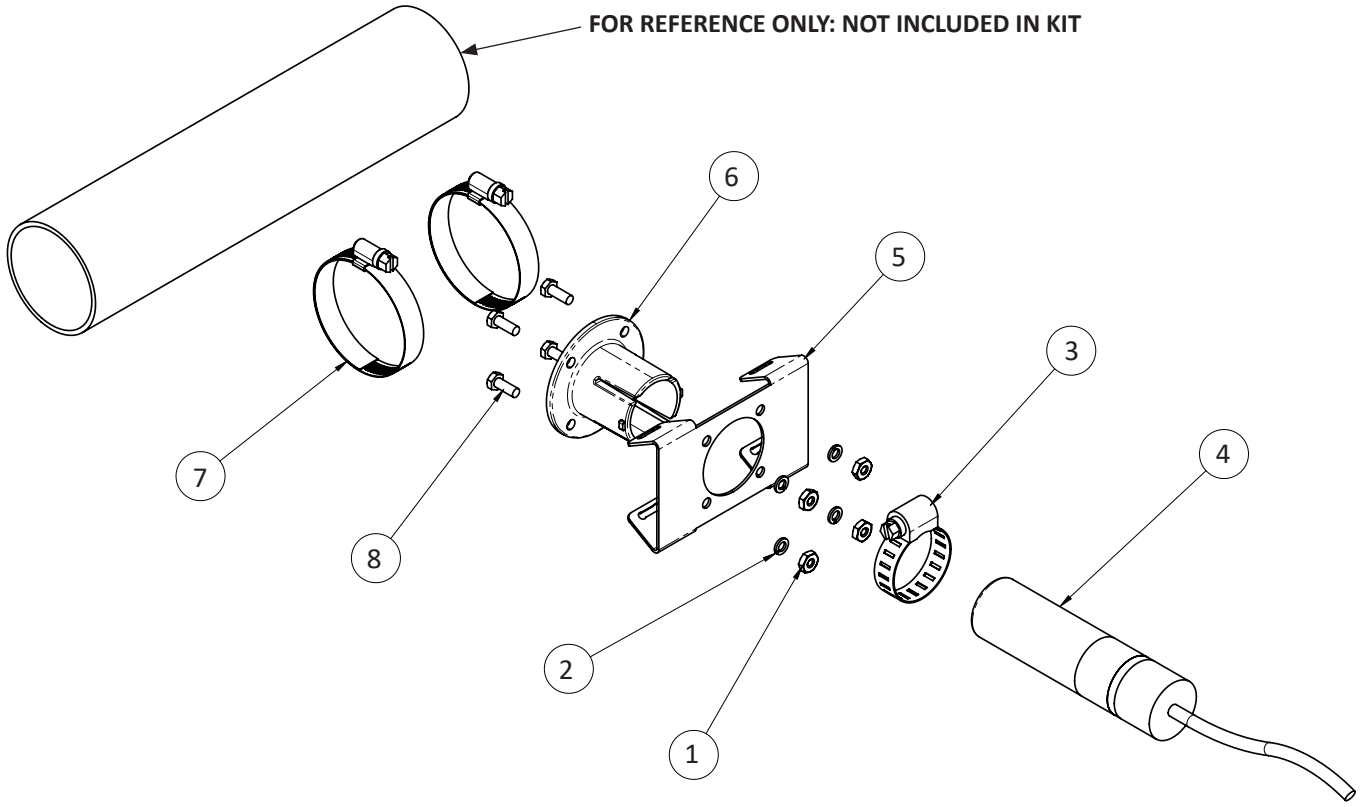
Drop Kit Assembly (720550)



QTY	PART #	QTY	DESCRIPTION
720550 - ALL OUT DROP KIT			
1	713110	1	CORD, POLY, 1/8”DIA. X 120”
2	720551	1	2-1/4” FEED DROP SHUTOFF GATE
3	720552	1	2-1/4” FEED DROP HOUSING
4	730490	1	GREEN SHUTOFF BALL
5	730492	1	RED SHUTOFF BALL
6	730622	2	#8 X 1/2” PAN HEAD SCREW
7	775095	2	2-1/2” SS HOSE CLAMP

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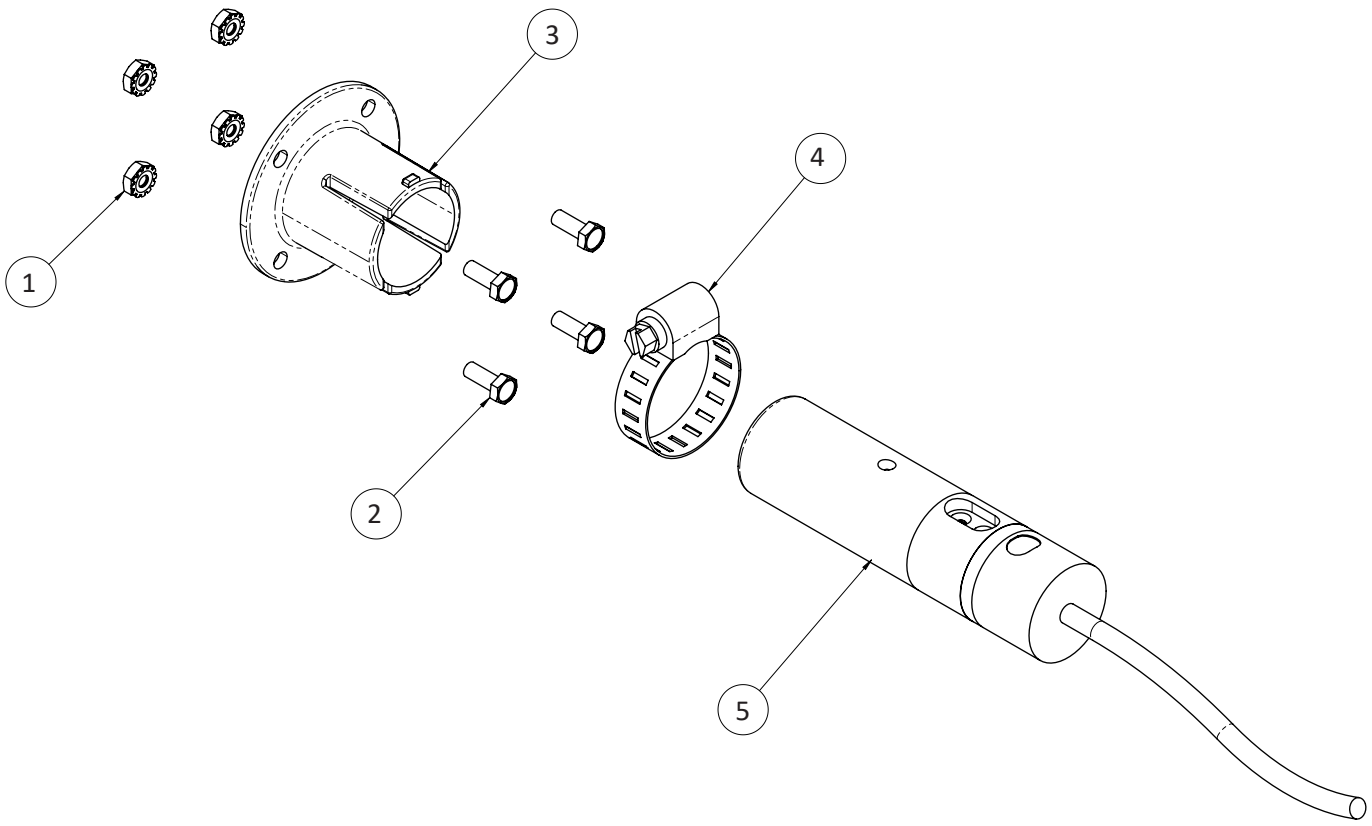
Tube Mounted Proximity Sensor (780350)



ITEM #	PART #	QTY	DESCRIPTION
780350 - TUBE MOUNTED PROXIMITY SENSOR			
1	012686	4	10-24 SS MACHINE SCREW NUT
2	012687	4	#10 SS MEDIUM SPLIT LOCKWASHER
3	730282	1	1-1/2” SS HOSE CLAMP
4	750418	1	PROX SENSOR, DOL 33R 220V 0-60MIN DELAY, 30SEC PRE-SET
5	780048	1	PROX SENSOR MTG BRACKET
6	780055	1	PROX SENSOR BASE W/HOLE
7	780122	2	SS TUBE CLAMP
8	780275	4	10-24 X 1/2” SS HEX BOLT

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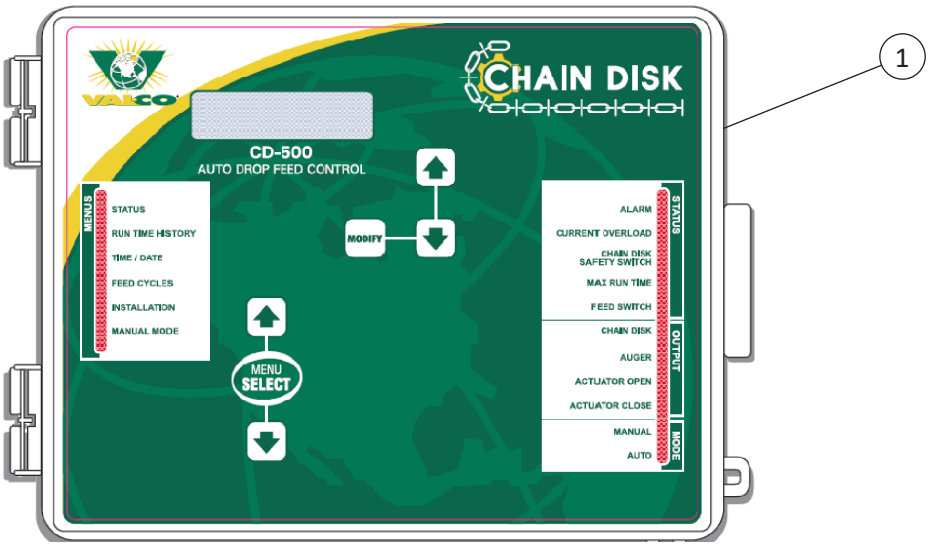
Face Mounted Proximity Sensor (730465)



ITEM #	PART #	QTY	DESCRIPTION
730465 - FACE MOUNTED PROXIMITY SENSOR			
1	012408	4	10-24 KEP NUT
2	012795	4	10-24 X 1/2” UNSLOTTED HEX BOLT
3	730275	1	SENSOR ADAPTER
4	730282	1	1-1/2” SS HOSE CLAMP
5	750418	1	PROX SENSOR, DOL 33R 220V 0-60MIN DELAY, 30SEC PRE-SET

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Chain Disk Controllers (C805 and C806)



ITEM #	PART #	QTY	DESCRIPTION
1	C805	1	CHAIN DISK CONTROL
-	C805B	EACH	REPLACEMENT BOTTOM BOARD, MAIN CONTROL
-	C805T	EACH	REPLACEMENT TOP BOARD, MAIN CONTROL (door and board)



ITEM #	PART #	QTY	DESCRIPTION
2	C806	1	CHAIN DISK AUXILIARY CONTROL
-	C806B	EACH	REPLACEMENT BOTTOM BOARD, AUXILIARY CONTROL
-	C806T	EACH	REPLACEMENT TOP BOARD, AUXILIARY CONTROL (door and board)

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