9’ BULK FEED BIN

MODEL 509

Repair Parts List

CORRUGATED HOPPERS

1 RING BIN
509038 20ga Main
509039 20ga Main w/Decal

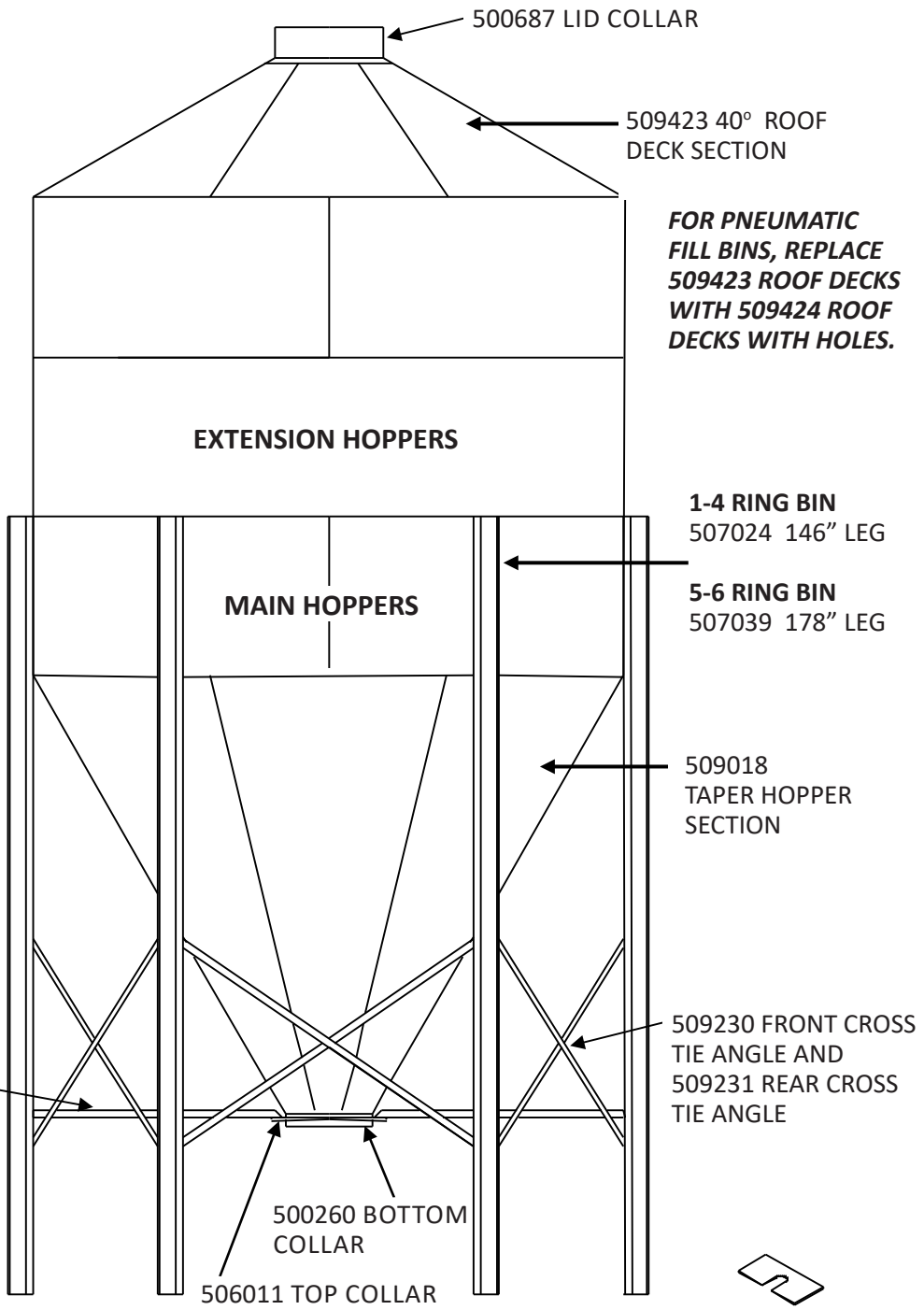
2 RING BIN
509038 20ga Main
509008 20ga Extension
509009 20ga Ext. w/Decal

3 RING BIN
509038 20ga Main
509008 20ga Extension
509009 20ga Ext. w/Decal

4 RING BIN
509037 18ga Main
509008 20ga Extension
509009 20ga Ext. w/Decal

5 RING BIN
509035 16ga Main
509011 18ga Main Ext.
509014 18ga Extension
509008 20ga Extension
509009 20ga Ext. w/Decal

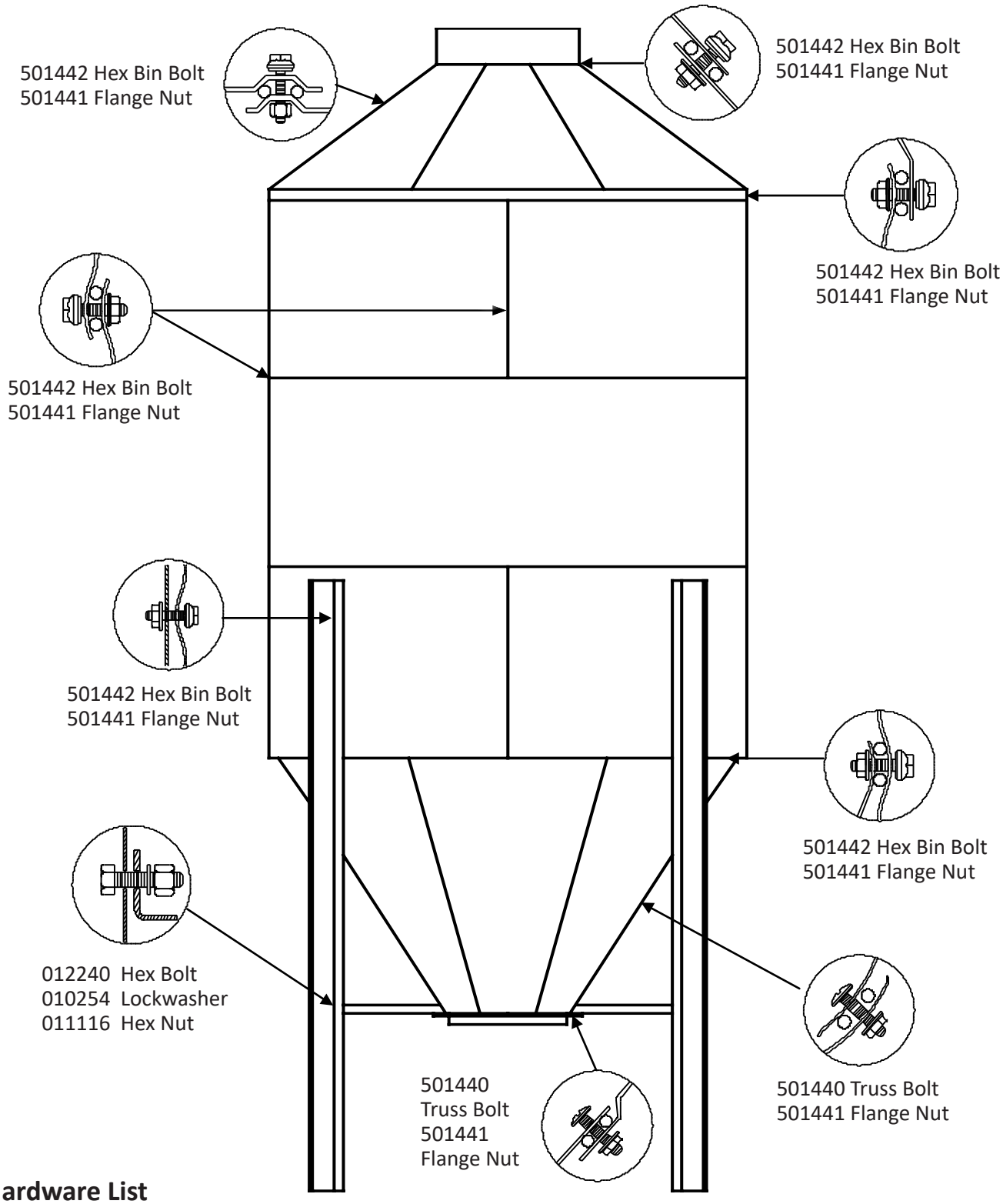
6 RING BIN
509035 16ga Main
509011 18ga Main Ext.
509014 18ga Extension
509008 20ga Extension
509009 20ga Ext. w/Decal



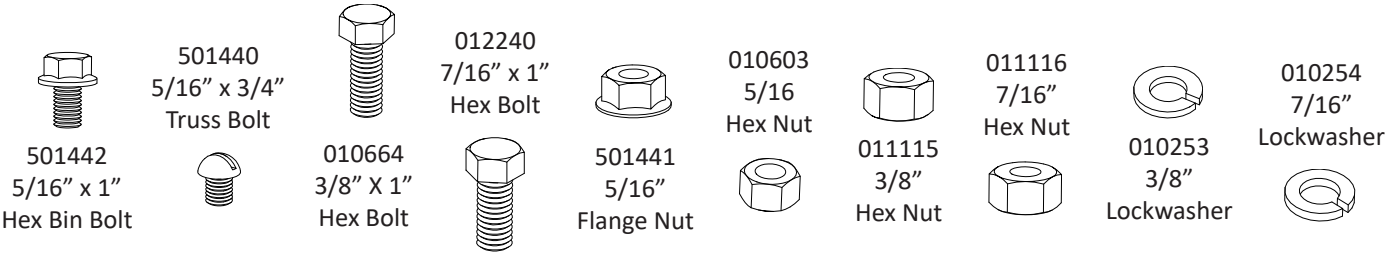
5 - 6 RING BINS REQUIRE SPECIAL BRACING.

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Assorted Hardware



Hardware List



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9 Ft Feed Bin - Common Parts List

		BIN SIZE & OPENING	9' - 16" OPENING						9' - 16" OPENING					
		OPENER TYPE	WAY-BACK OPENER						PNEUMATIC FILL ROOF					
		NUMBER OF RINGS	1	2	3	4	5	6	1	2	3	4	5	6
		ORDER NUMBER	509W41	509W42	509W43	509W44	509W45	509W46	509741	509742	509743	509744	509745	509746
PART #		**DESCRIPTION**	**QUANTITY**						**QUANTITY**					
500650		WAY-BACK LID CARTON	1	1	1	1	1	1	0	0	0	0	0	0
500790		40 DEGREE PNEUMATIC FILL KIT LID CARTON	0	0	0	0	0	0	1	1	1	1	1	1
506171		COLLAR CARTON	1	1	0	0	0	0	1	1	0	0	0	0
507024		GALVANIZED LEG - 146" (1-4R)	6	6	6	6	0	0	6	6	6	6	0	0
507033		"X" BRACE	0	0	0	0	12	12	0	0	0	0	12	12
507039		GALVANIZED LEG - 178" (5-6R)	0	0	0	0	6	6	0	0	0	0	6	6
509008		20 GA. EXTENSION HOPPER - PLAIN	0	2	5	8	5	8	0	2	5	8	5	8
509009		20 GA. EXTENSION HOPPER - DECAL	0	1	1	1	1	1	0	1	1	1	1	1
509011		18 GA. MAIN HOPPER - PLAIN	0	0	0	0	3	3	0	0	0	0	3	3
509014		18 GA. EXTENSION HOPPER - PLAIN	0	0	0	0	3	3	0	0	0	0	3	3
509018		TAPER HOPPER SECTION	9	9	9	9	9	9	9	9	9	9	9	9
509032		BRACE TIE	0	0	0	0	12	12	0	0	0	0	12	12
509035		16 GA. MAIN HOPPER - PLAIN W/DRIP EDGE	0	0	0	0	3	3	0	0	0	0	3	3
509037		18 GA. MAIN HOPPER - PLAIN W/DRIP EDGE	0	0	0	3	0	0	0	0	0	3	0	0
509038		20 GA. MAIN HOPPER - PLAIN W/DRIP EDGE	2	3	3	0	0	0	2	3	3	0	0	0
509039		20 GA. MAIN HOPPER - DECAL W/DRIP EDGE	1	0	0	0	0	0	1	0	0	0	0	0
509041		TAPER HOPPER REINFORCEMENT ANGLE	0	0	9	9	9	9	0	0	9	9	9	9
509059		BASIC CAULKING CARTON	1	1	1	1	1	1	1	1	1	1	1	1
509072		EXTENSION HARDWARE CARTON	0	1	2	3	4	5	0	1	2	3	4	5
509160		BASIC HARDWARE CARTON	1	1	1	1	1	1	1	1	1	1	1	1
509163		178" LEG HARDWARE CARTON	0	0	0	0	1	1	0	0	0	0	1	1
509167		SPECIAL BRACING HARDWARE BAG	0	0	0	0	1	1	0	0	0	0	1	1
509230		FRONT CROSS TIE BRACE ANGLE	6	6	6	6	0	0	6	6	6	6	0	0
509231		REAR CROSS TIE BRACE ANGLE	6	6	6	6	0	0	6	6	6	6	0	0
509232		LEG-COLLAR BRACE ANGLE	6	6	6	6	6	6	6	6	6	6	6	6
509423		ROOF DECK SECTION 40 DEGREE	9	9	9	9	9	9	7	7	7	7	7	7
509424		ROOF DECK SECTION 40 DEG PNEUMATIC FILL	0	0	0	0	0	0	2	2	2	2	2	2
509440		COLLAR CARTON, REINFORCED	0	0	1	1	1	1	0	0	1	1	1	1
OPTIONAL TRU-LOCK ADD-ON	500226	TRU-LOK BASIC TUBE	1	1	1	1	1	1	X	X	X	X	X	X
	500728	TRU-LOK TUBE GUIDE (3-6 RING)	0	0	1	1	1	1	X	X	X	X	X	X
	500729	TRU-LOK EXTENSION TUBE	1	2	3	4	5	6	X	X	X	X	X	X
	500775	TRU-LOK ACCESSORY CARTON 40 DEGREE	1	1	1	1	1	1	X	X	X	X	X	X
	509727	TRU-LOK ROOF TUBE - 9'	1	1	1	1	1	1	X	X	X	X	X	X
OPTIONAL LADDER	500191	EXTENSION LADDER	1	2	3	4	5	6	1	2	3	4	5	6
	500772	BASIC LADDER 40 DEGREE	1	1	1	1	1	1	1	1	1	1	1	1
	509034	LADDER STAND-OFF RING	1	1	1	1	1	1	1	1	1	1	1	1
	509916	ROOF LADDER 40 DEGREE	1	1	1	1	1	1	1	1	1	1	1	1
PNEUMATIC FILL OPTIONS	509640	PNEUMATIC FILL KIT - 9' 40 DEGREE	X	X	X	X	X	X	1	1	1	1	1	1
	704287	4" TUBE JOINER W/ HARDWARE	X	X	X	X	X	X	0	0	0	0	0	1
	704411	4" X 7' GALVANIZED SIDE FILL TUB	X	X	X	X	X	X	0	0	0	0	0	0
	704412	4" X 11' GALVANIZED SIDE FILL TUB	X	X	X	X	X	X	1	1	0	0	0	0
	704413	4" X 15' GALVANIZED SIDE FILL TUB	X	X	X	X	X	X	0	0	1	0	0	0
	704414	4" X 19' GALVANIZED SIDE FILL TUB	X	X	X	X	X	X	0	0	0	1	1	1
	704441	4" X 4' GALVANIZED SIDE FILL TUB	X	X	X	X	X	X	0	0	0	0	0	1

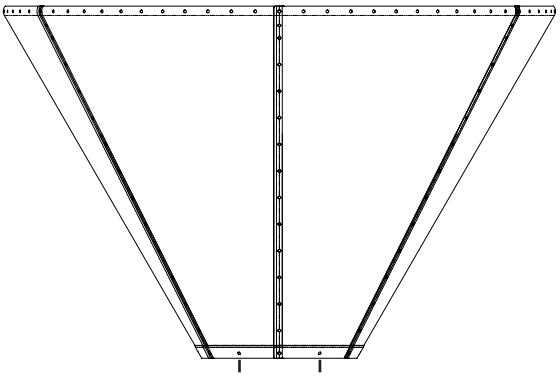
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9 Ft Feed Bin Accessories - Parts List

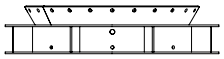
PART #	DESCRIPTION
Bin Accessories	
500221	ANCHOR BOLT KIT FOR 9’ DIAMETER BINS
500578	BIN LIFTING BRACKET KIT
500621	TAPER HOPPER SLIDE VALVE
501170	25” TO 16” OPENING EXTENSION KIT LESS BOOT COLLAR
501180	25” TO 16” OPENING EXTENSION KIT WITH BOOT COLLAR
501398	ROOF VENT KIT - 9’ BIN
502003	PEEK THRU WINDOW
509090	3.40 TON 20 GA. EXTENSION RING WITH HARDWARE - 9’ BIN
509091	3.40 TON 18 GA. EXTENSION RING WITH HARDWARE - 9’ BIN
509250	9’ BIN TAPER HOPPER REPAIR KIT
Bin 16” Opening Attachments	
500374	BOOT SLIDE VALVE - SPLIT SLIDE
500471	BOOT SLIDE VALVE - SINGLE SLIDE
500475	30 DEGREE UPPER BOOT TRANSITION - GREEN
500485	STRAIGHT UPPER BOOT TRANSITION - GREEN
500575	30 DEGREE UPPER BOOT TRANSITION - CLEAR
500585	STRAIGHT UPPER BOOT TRANSITION - CLEAR
501190	MANUAL SLIDE VALVE
501997	RACK & PINION WITH CRANK
700010	STRAIGHT DOUBLE UPPER BOOT TRANSITION (accommodates 2 lower boots)

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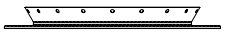
Bin 16” Opening Attachments



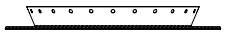
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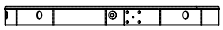
512200
TOP & BOTTOM WELDED COLLAR
(single piece, for all 12’ Bins)



506011
60° TOP COLLAR
(for all 6’ & 9’ Bins)



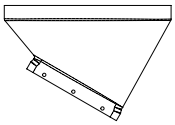
507011
67° TOP COLLAR
(for all 7’ Bins)



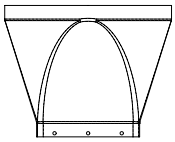
509438
REINFORCED BOTTOM COLLAR
(for all 3, 4, 5 & 6 ring 9’ Bins)



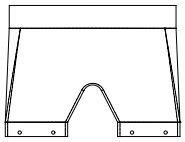
500260
STANDARD BOTTOM COLLAR
(for all 6’, 7’, and 1 & 2 ring 9’ bins)



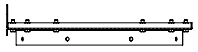
500475 Green, 500575 Clear, 500857 Translucent
30° UPPER BOOT TRANSITION



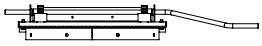
500485 Green, 500585 Clear, 500855 Translucent
STRAIGHT UPPER
BOOT TRANSITION



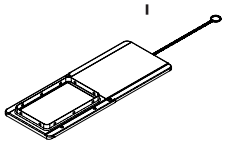
700010 Green
STRAIGHT DOUBLE
UPPER BOOT TRANSITION
(Accomodates 2 Lower Boots)



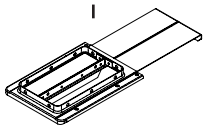
501190
MANUAL SLIDE VALVE



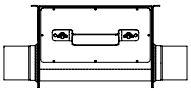
501997
RACK & PINION
WITH CRANK



500471
BOOT SLIDE VALVE - SINGLE SLIDE

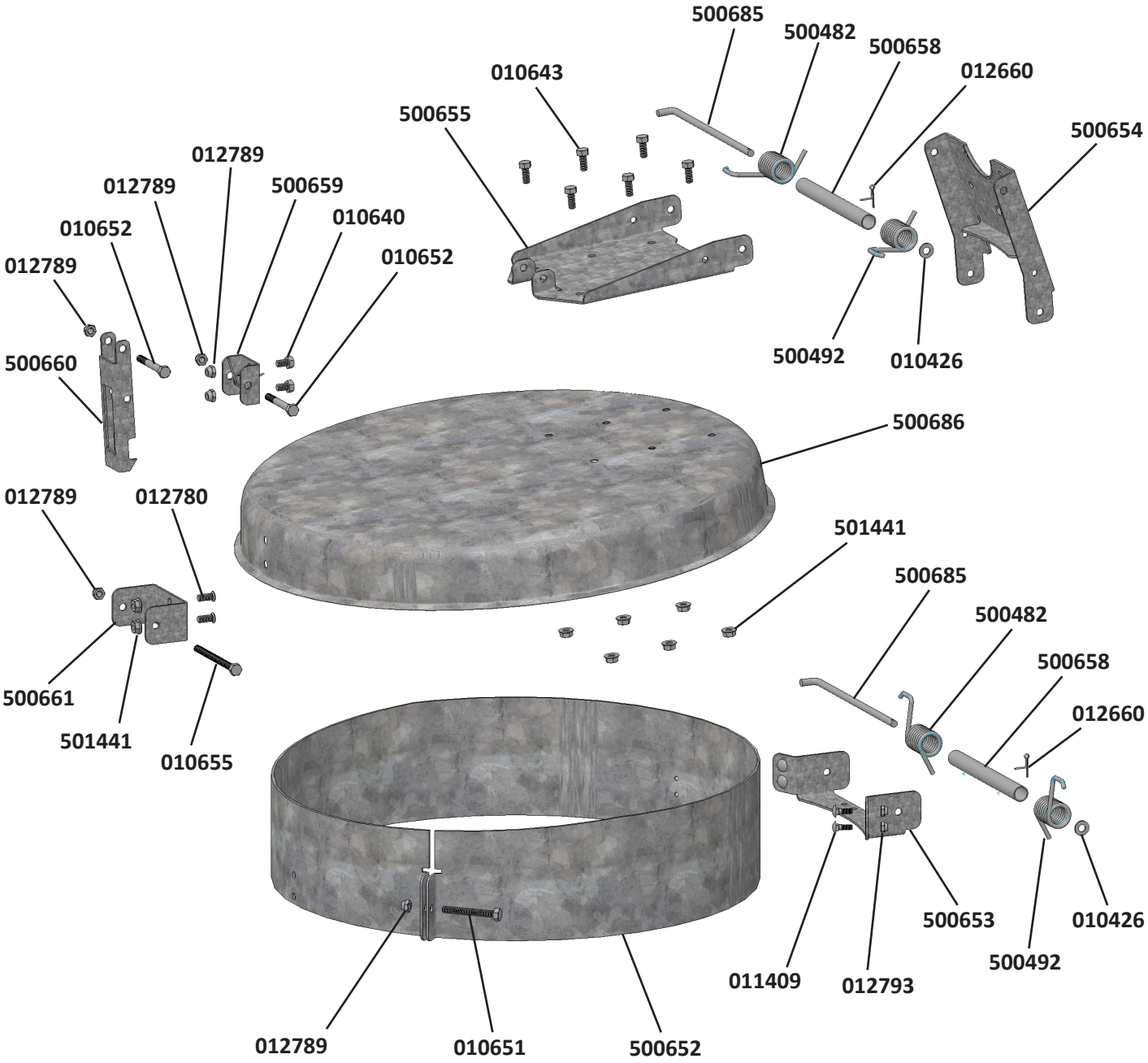


500374
BOOT SLIDE VALVE - SPLIT SLIDE



LOWER BOOT
4” RIGID AUGER - 6” RIGID AUGER - 2.25”/3”/3.5”/4.25” FLEXIBLE AUGER

Way-Back Lid Assembly - Exploded Drawing (500650)



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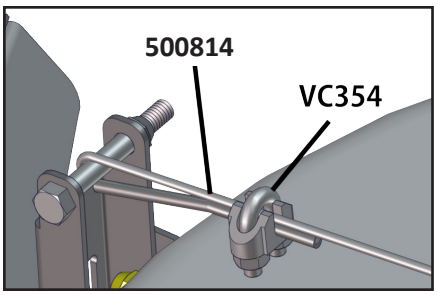
Way-Back Lid - Parts List

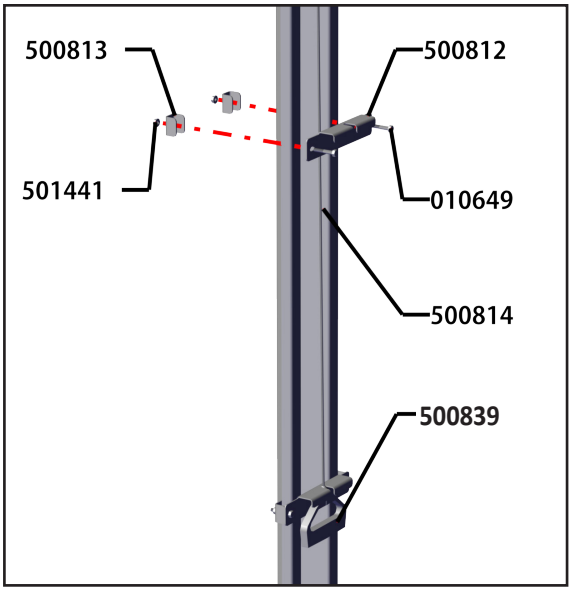
PART #	DESCRIPTION	QTY
500650 - WAYBACK LID OPENER (Pre-Assembled)		
010426	WASHER, FLAT 5/16” SAE ZP	2
010640	BOLT, HEX HEAD, 5/16-18 X 1/2” ZP	2
010643	5/16-18 X 3/4” HEX BOLT	6
010651	5/16” X 2-1/2” FULLY THREADED HEX BOLT	1
010652	5/16” X 2-1/2” HEX BOLT	2
010655	5/16-18 X 4” FULLY THREADED GRADE 5 TAP BOLT (YZP)	1
011409	1/4-20 X 3/4” CARRIAGE BOLT	4
012660	7/64” X 3/4” COTTER PIN	2
012780	STUD, PRESS 5/16-18” X 3/4” ZP SELF CLINCHING	2
012789	5/16-18 NYLOCK NUT	6
012793	1/4-20 NYLOCK NUT	4
500482	RIGHT HANDLE LOCK SPRING	2
500492	LEFT HANDLE LOCK SPRING	2
500638	25” X 25” X 9-3/8” CARTON	1
500652	LID LOCKING COLLAR	1
500653	BOTTOM LID HINGE BRKT	1
500654	COLLAR TO LID HINGE BRKT	1
500655	TOP LID HINGE BRKT.	1
500658	SPRING SPACER	2
500659	LID LOCKING BRACKET	1
500660	LID UNLOCKING ARM	1
500661	COLLAR LOCKING BRACKET	1
500662	LID LOCKING SPRING	1
500685	HINGE ROD L/COTTER PIN	2
500686	STACKABLE BIN LID	1
500815	HARDWARE BAG OPENER BIN LID	1
501441	NUT, HEX FLANGE 5/16”-18, ZP JS500	8

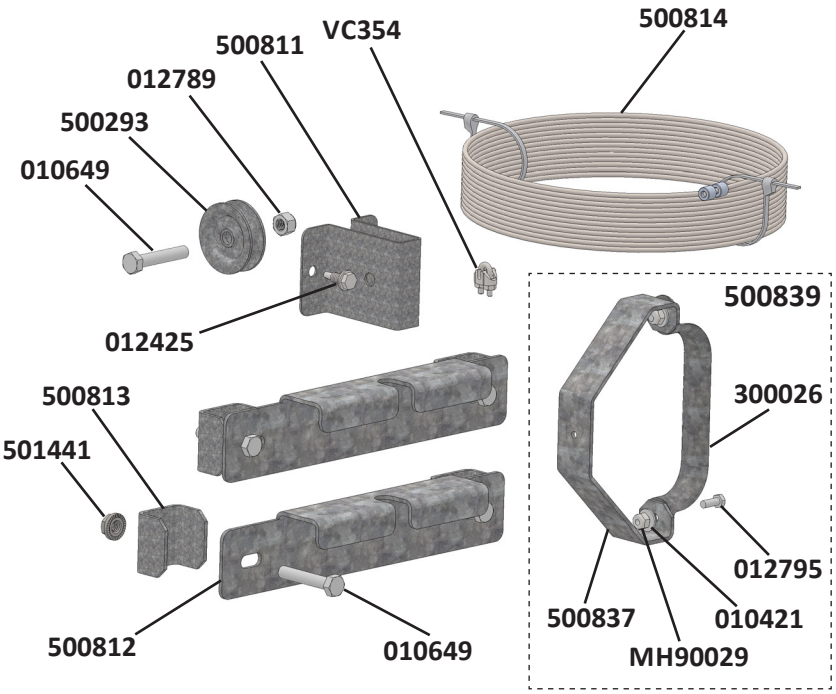
NOTE: When ordered as replacement parts quantities will vary.

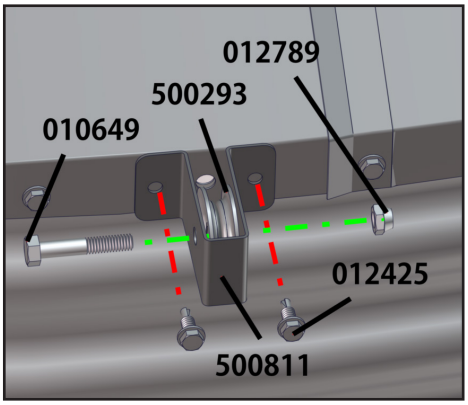
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Way-Back Lid Cord Containment Bracket and Retainer - Parts List









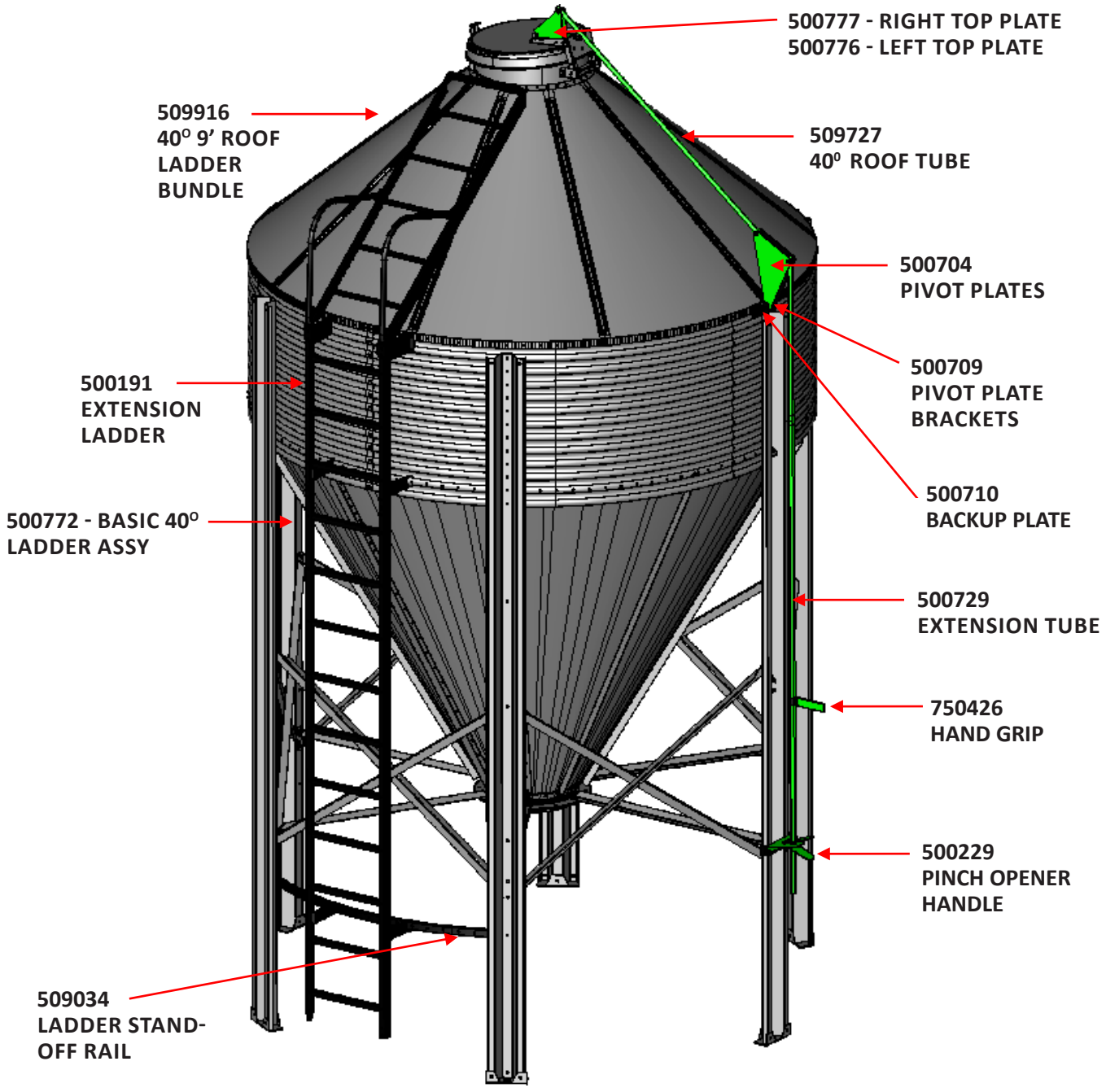
PART #	DESCRIPTION	QTY
500815 - HARDWARE BAG FOR BIN LID OPENER		
010421	3/16” FLAT WASHER	2
010649	5/16-18 X 1-3/4” HEX BOLT	5
012425	1/4” X 3/4” SELF DRILLING SCREWS	2
012789	5/16-18 NYLOCK NUT	1
012795	#10-24 X 1/2” UNSLOTTED HEX BOLT	2
300026	LID HANDLE	1
500293	PULLEY FOR LID CHAIN	1
500811	RETAINER, PULLEY	1
500812	RETAINER, HANDLE	2
500813	CLAMP, RETAINER	4
500814	CABLE ASSEMBLY, 1/8, 32.5’	1
500837	BIN LID HANDLE TOP	1
501441	5/16”-18 HEX FLANGE NUT	4
MH90029	#10-24 NYLOCK NUT	2
VC354	1/8” CABLE CLAMP	1

NOTE: When ordered as replacement parts quantities will vary.

NOTE: *The Bin Lid Handle can be ordered pre-assembled as* **500839 (BIN LID HANDLE ASSEMBLY)**

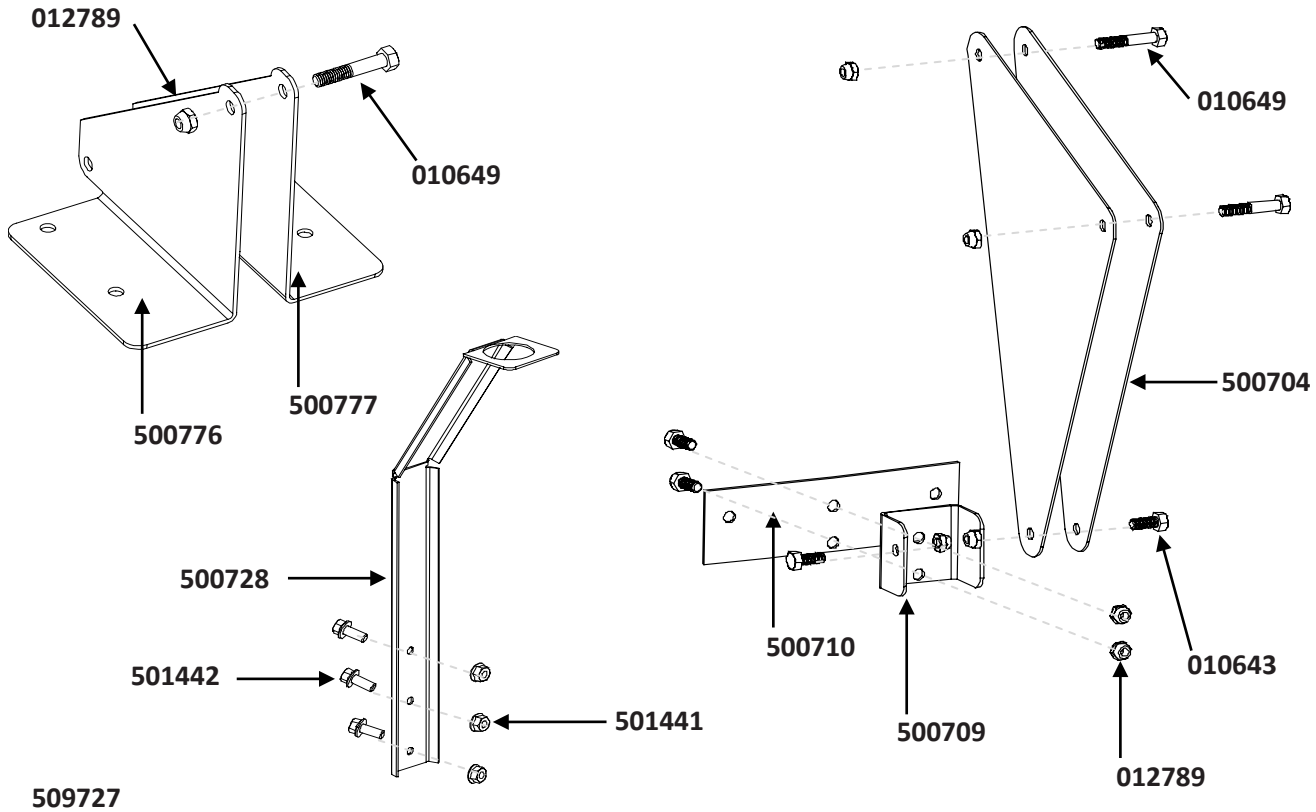
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Tru-Lok Add-On Lid Opener and Ladder - Overview



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Tru-Lok Add-On - Parts Drawing (Option)



509727

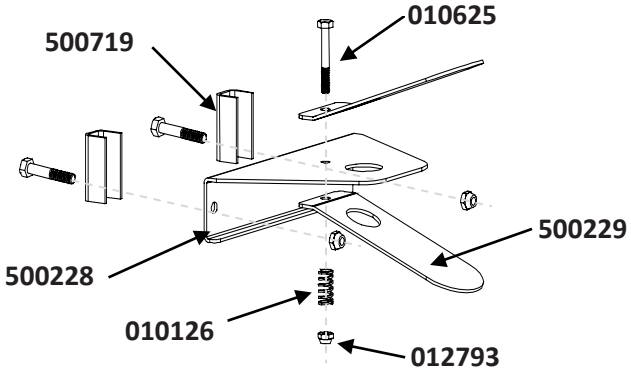


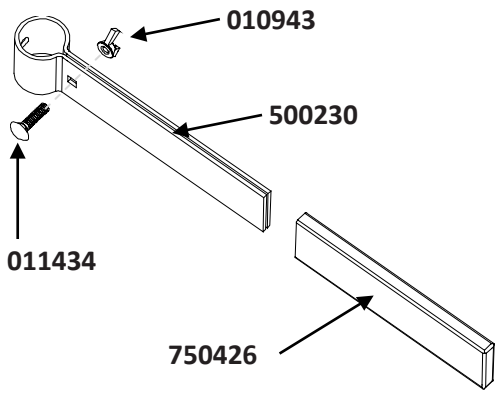
500729



500226







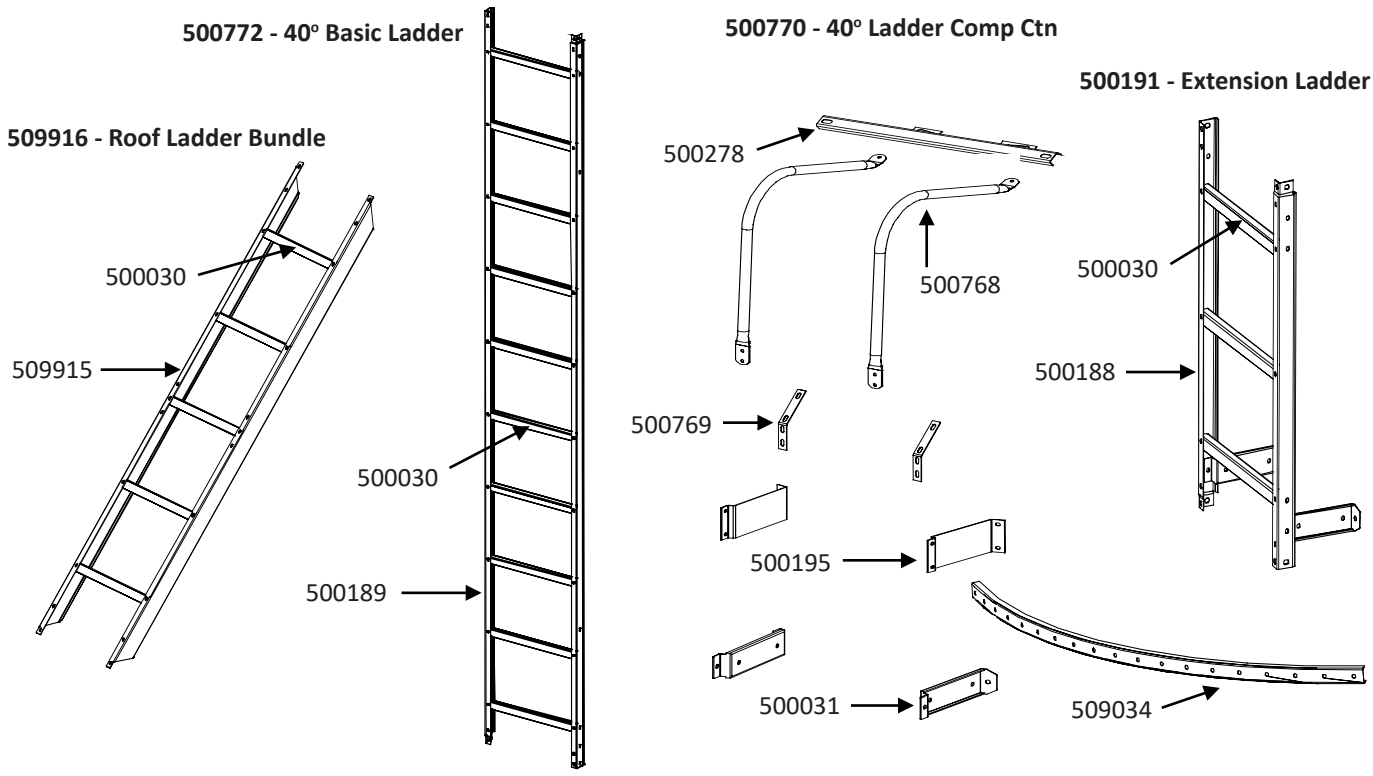
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Tru-Lok Add-On - Parts List

PART #	DESCRIPTION	QTY
OPTIONAL - Tru-Lok Add-On (Available for all 9 ft Feed Bins)		
500226	TRU-LOK BASIC TUBE	1
500728	TRU-LOK TUBE GUIDE (available for 3-6 ring only)	1
500729	TRU-LOK EXTENSION TUBE (quantity will equal the number of rings)	1-6
500775	TRU-LOK ACCESSORY CARTON	1
509727	TRU-LOK 40 DEGREE ROOF TUBE - 9’	1
Tru-Lok Add-On - REPLACEMENT PARTS (Quantities will vary)		
010126	1/2” MEDIUM LOAD SPRING	-
010625	1/4-20 X 2 HEX BOLT	-
010643	5/16-18 X 3/4” HEX BOLT	-
010649	5/16” HEX BOLT	-
010943	1/4-20 WING NUT	-
011434	1/4-20 X 1 CARRIAGE BOLT	-
012789	5/16” LOCKNUT	-
012793	1/4-20 NYLOCK NUT	-
500228	PINCH OPENER MTG BRACKET	-
500229	PINCH OPENER HANDLE	-
500230	HANDLE	-
500257	PINCH HANDLE ASSEMBLY	-
500704	PIVOT PLATES	-
500709	PIVOT PLATE BRACKET	-
500710	BACKUP PLATE	-
500719	HANDLE BRACKET CLIP	-
500776	LEFT TOP PLATE	-
500777	RIGHT TOP PLATE	-
501441	5/16” FLANGE NUT	-
501442	5/16” X 1” FLANGED HEX BIN BOLT	-
509727	40 DEGREE ROOF TUBE	-
750426	HAND GRIP	-

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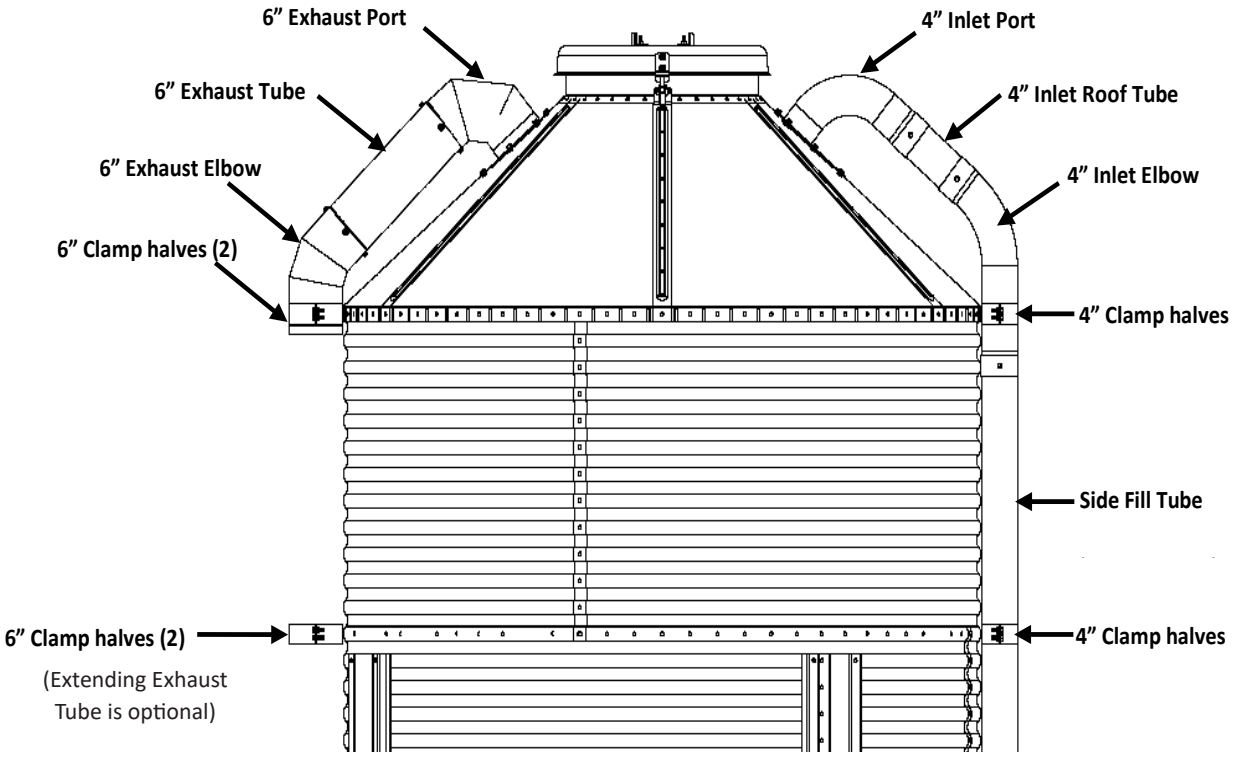
Ladder - Drawing and Parts List



PART #	DESCRIPTION	QTY
OPTIONAL - Ladder Assemblies		
500191	EXTENSION LADDER (quantity will equal the number of rings)	1-6
500770	40 DEGREE LADDER COMPONENT CARTON (includes 500031, 500195, 500278, 500287, 500768, 500769)	1
500772	BASIC 40 DEGREE LADDER ASSEMBLY	1
509916	40 DEGREE 9’ ROOF LADDER BUNDLE	1
Ladder - REPLACEMENT PARTS (Quantities will vary)		
010643	5/16-18 X 3/4” HEX BOLT	-
012789	5/16-18 NYLOCK NUT	-
500030	LADDER STEP	-
500031	LADDER ATTACHMENT BRACKET	-
500188	EXT RAIL	-
500189	LADDER RAIL (108”)	2
500195	LADDER TOP BRACKET	-
500278	ROOF LADDER STANDOFF	1
500287	LADDER HDWE BAG	-
500768	40 DEGREE LADDER TOP HANDRAIL	2
500769	40 DEGREE ROOF LADDER BRACKET	2
509034	LADDER STAND-OFF RAIL	1
509915	40 DEGREE ROOF LADDER RAIL	2

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Pneumatic Fill - Overview and Parts List (Option)



When ordered as Replacement Parts the Quantities will vary

PART #	DESCRIPTION	QTY
	OPTIONAL - Pneumatic Fill Parts	
500534	CAULKING (50’ ROLL)	1
500740	4” NARROW CLAMP (HALF)	6
500743	6” EXHAUST PORT (ELBOW) W/PLATE	1
500744	6” X 24” GALV. DUCT ELBOW	1
500751	6” EXHAUST CLAMP (HALF)	6
500786	4” INLET PORT W/PLATE	1
500788	51 DEGREE ELBOW (DRILLED)	1
500942	PNEUMATIC FILL HARDWARE BAG	1
509425	6” X 39.87” EXHAUST TUBE	1
509918	4” X 32.82” INLET (ROOF) TUBE	1
704441	4” X 4’ GALVANIZED SIDE FILL TUBE (available for 6 ring only)	1
704412	4” X 11’ GALVANIZED SIDE FILL TUBE (available for 1-2 ring only)	1
704413	4” X 15’ GALVANIZED SIDE FILL TUBE (available for 3 ring only)	1
704414	4” X 19’ GALVANIZED SIDE FILL TUBE (available for 4-6 ring only)	1
704287	4” TUBE JOINER WITH HARDWARE (available for 6 ring only)	1

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