

Operation Instructions, Technical Guide, And Parts List Information



For Models: L12/L16

(updated July 2017)

Model:	Serial #:	
Warranty Start Date:		
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Illustrations in this guide are for reference only and may depict optional features that are available at additional costs.

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SECTION 1: MACHINE OVERVIEW AND SPECIFICATIONS

Both Models

The CHAMPION flighted conveyor is designed to increase speed and maximize automatic L-sealer production lines while economically simplifying the process of gathering and transporting collated sets of materials.

The flight carriers are driven by a dual-chain that allows the flight pin to advance all the way to the end of the conveyor and disappear vertically. This unique feature allows the material to transfer without disrupting the stack integrity.

Easy-to-adjust material guide rails accommodate a wide variety of product types and thicknesses.

The high-quality robust design of the CHAMPION will provide long, durable, and reliable operation, requiring little maintenance.

L12

Product Sizes: Min. 3"W x 3" L – Max 12"W x Variable

(dependent on lug spacing)

6', 12' Standard Lengths

Maximum Speed: Variable speeds up to: 1000 FT/MIN - Continuous run

30 PPM w/1S hold – Index run

Product Stack Height: 2" standard **Deck Height** 30"-39"

Utilities Requirement:

115VAC/60Hz – 3 to 6 amp dependent on controller **Options:** Indexing Motion Controller w/various system controller

options. Remote Interface Cable. Feeder Table and Stand

Mounts.

L16

Min. 3"W x 3" L - Max 16"W x Variable **Product Sizes:**

(dependent on lug spacing)

Standard Lengths: 6', 8', 12', or any combination of those lengths up to 100'. 1000 FT/MIN - Continuous run **Maximum Speed:** Variable speeds up to:

30 PPM w/1S hold – Index run

Product Stack Height: 2" standard (higher side guides and flight pins are

available up to 6")

Deck Height: 30"-39"

Utilities Requirement: 115VAC/60Hz – 3 to 6 amp dependent on controller

Options: Indexing Motion Controller w/various system controller

options, Remote Interface Cable, Feeder Table and Stand

Mounts.

SECTION 2: OPERATION AND ADJUSTMENTS

Operation

CHAMPION Flighted Conveyors operate on standard 115vac and are rated at 3-6 Amps dependent on type of conveyor and controller option. Both models come equipped with a STANDARD controller offering continuous run cycle with downstream inhibit.

Make sure the push/pull Stop switch is pressed in before applying power to the unit.

Once the 115vac source has been established, turn the Speed potentiometer fully counter clock wise (lowest setting).

Release the Stop button by pulling it out...this will apply power to the controls. Press the green start button. The conveyor will start to run as you adjust the speed clockwise. Set to desired speed.

Product Setup

Center the product on the conveyor. Adjust the rails to accommodate the product width. Tighten the rail adjusters.

Height Adjustment

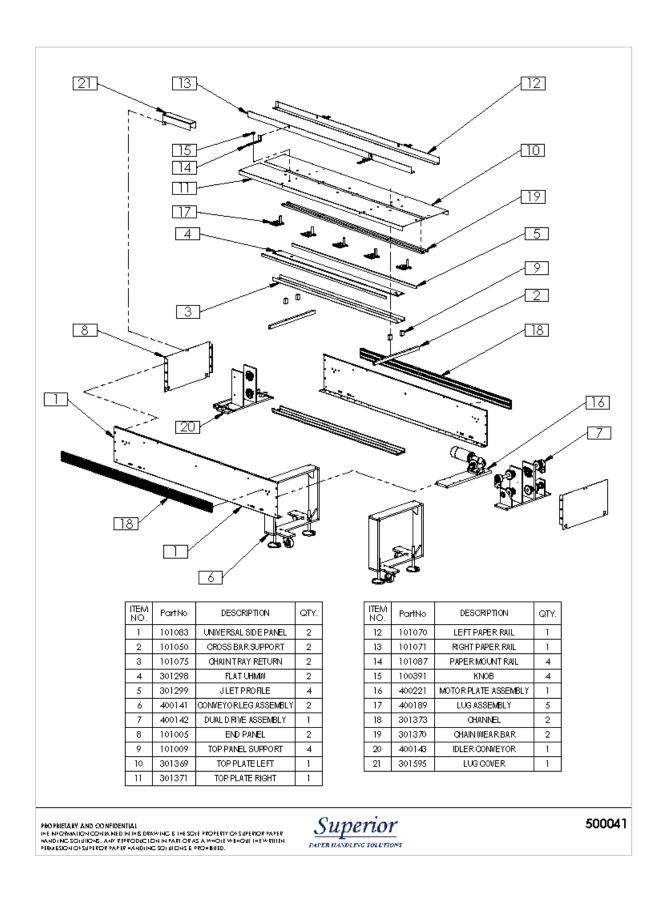
Both models have leveling feet for adjusters. Be sure to lock both nuts on each leveling foot as you set your height

SECTION 3: PARTS

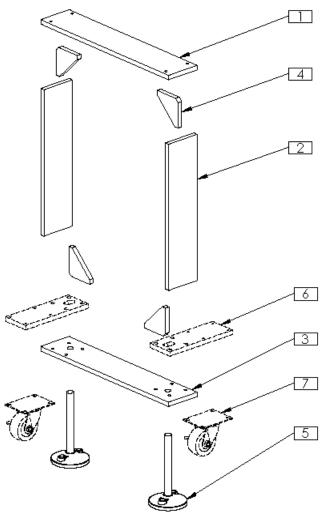
L-16 Conveyor

Pages 7-13

500041 6' CHAMPION L-16 CONVEYOR PAPER HANDLING SOLUTIONS PROPRIETARY AND CONFIDENTIAL PROPRIETARY AND CONFIDENTIAL INF INFORMALION CONTINED IN THE DEADING IS THE SOUR PROPRIET OF SUPERIOR PAPER MANDLING SOURLINS, ANY REPRODUCTION IN PART OF AS A MODIE WITHOUT THE WRITTEN PRIMESION OF SUPERIOR PAPER MANDLING SOURLING IS PROMISSED.



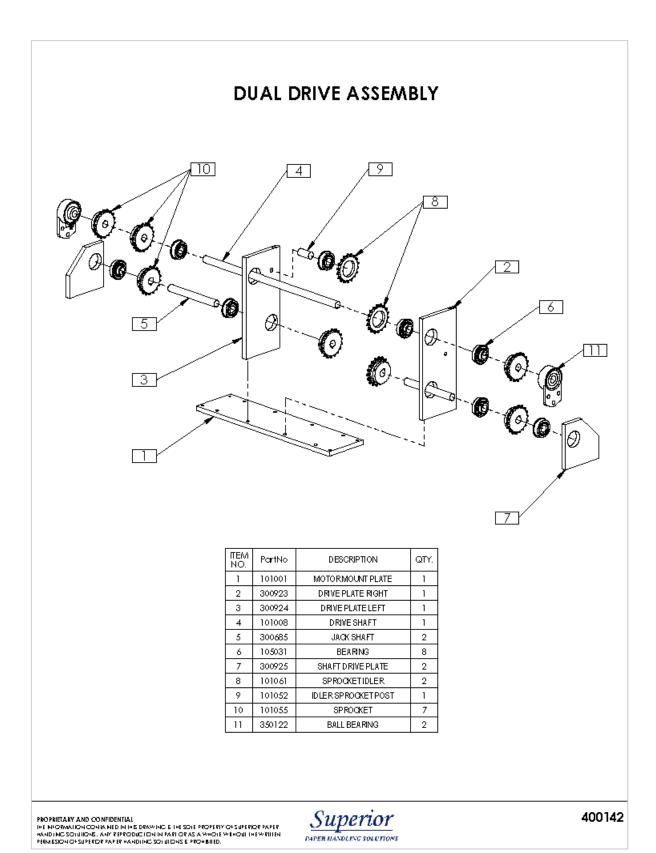
CONVEYOR LEG ASSEMBLY



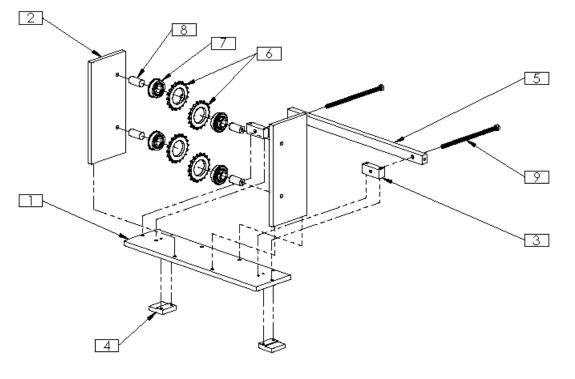
ITEM NO.	PartNo	DESCRIPTION	QTY.
1	300916	TOP LEG PLATE	1
2	300917	VERTICAL LEG	2
3	300918	BOTTOM LEG PLATE	1
4	300668	GUSSET PLATE	4
5	101057	PEDESTAL FOOT	2
6	300919	CASTERMOUNT PLATE	2
7	101067	CASTER	2

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Superior PAPER HANDLING SOLUTIONS



IDLER CONVEYOR ASSEMBLY



NO:	PartNo	DESCRIPTION	QTY.
1	101007	MOUNTPLATE	1
2	101046	ILDLER UP RIGHT PLATE	2
3	101044	TAKE UP BLOCK	2
4	101045	SLIDE OLAMP TAKE UP	2
5	101043	IDLERTAKE UP CROSS BAR	1
6	101061	SPROCKETIDLER	4
7	105031	BEARING	4
8	101052	IDLER SPROCKET POST	4
9	101060	TENSIONING BOLT	2

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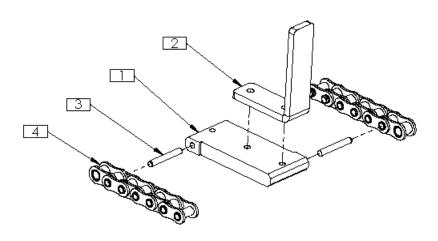
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2.75 INCH LUG ASSEMBLY



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	300941	LUG	ТВТ
2	301202	LUG	твт
3	101062	PIN	твт
4	101054	CHAIN	твт

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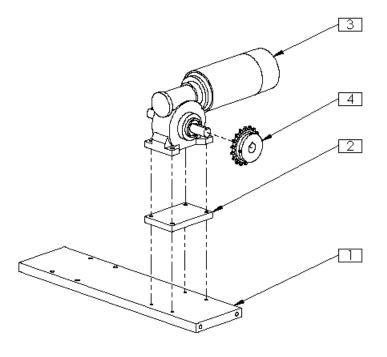
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MOTOR PLATE ASSEMBLY



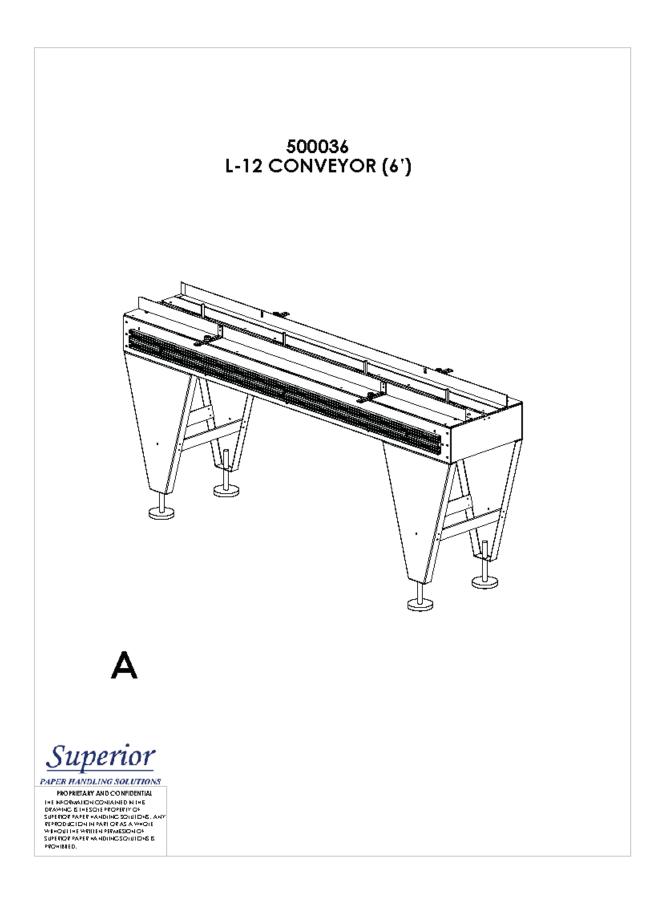
ITEM NO.	PartNo	DESCRIPTION	QTY.
1	3013 <i>7</i> 2	MOTORMOUNT PLATE	1
2	101002	MOTORSPACERPLATE	1
3	101069	MOTOR	1
4	101055	SPROCKET	1

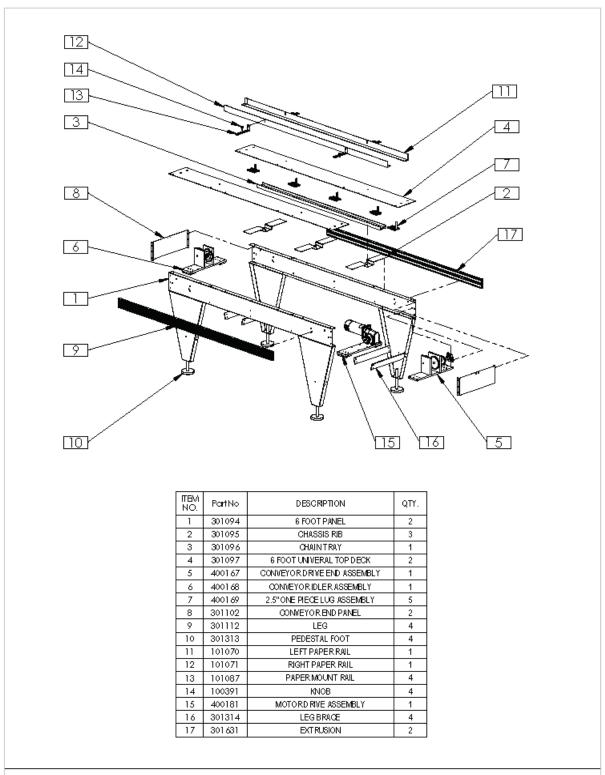
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L-12 Conveyor

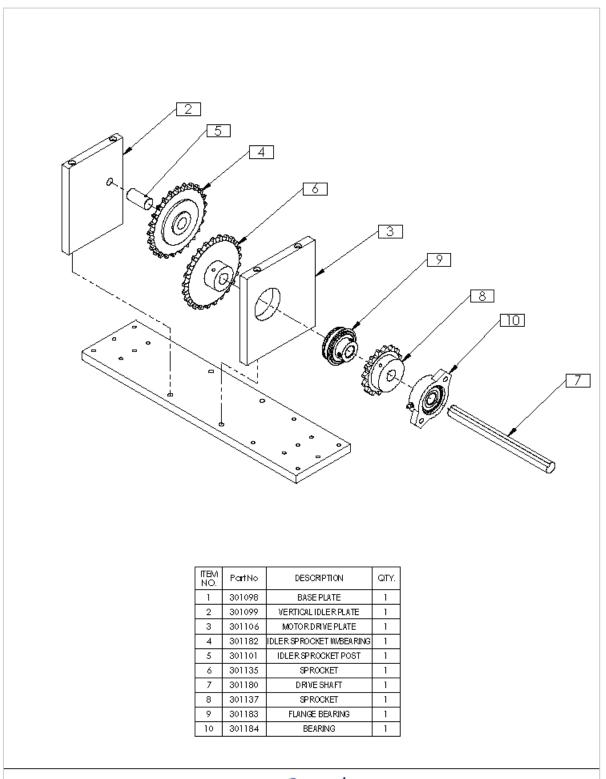
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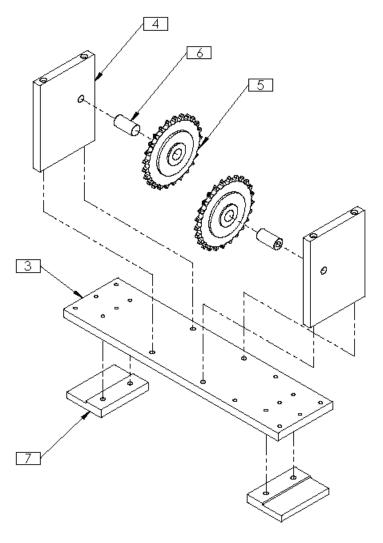




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CONVEYOR DRIVE ASSEMBLY



ITEM NO.	PartNo	DESCRIPTION	QTY.
3	301098	BASE PLATE	1
4	301099	VERTICAL IDLER PLATE	2
5	301182	IDLER SPROCKET WAS EARING	2
6	301101	IDLER SPROCKET POST	2
7	301105	IDLER CLAMP	2

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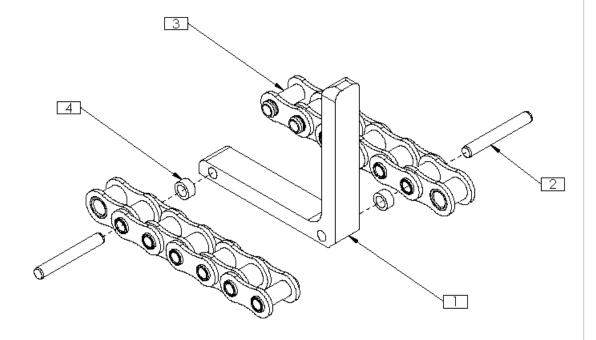
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2.5 INCH ONE PIECE LUG ASSMEBLY



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	301113	LUG	твт
2	301115	DOWEL PIN	твт
3	101054	CHAIN	твт
4	301114	SPACER	твт

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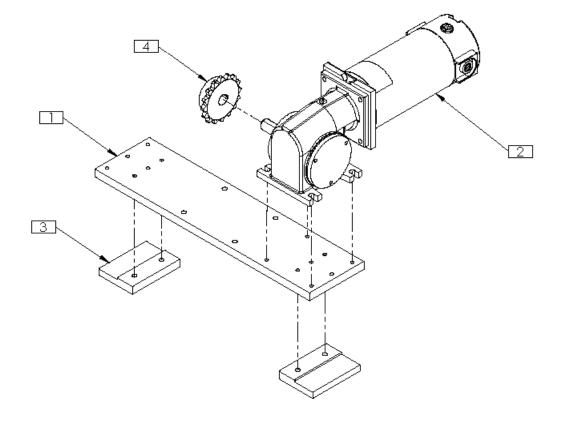
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MOTOR DRIVE ASSEMBLY



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	301098	BASE PLATE	1
2	301181	DCMOTOR	1
3	301105	IDLER CLAMP	2
4	301137	SPROCKET	1

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SECTION 4: WIRING AND ELECTRICAL DETAIL

Standard Controller

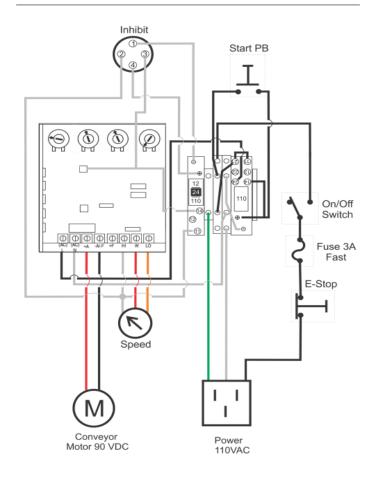
Wiring Diagram for a STANDARD control box shown below. (For all different controllers, reference the supplied manual for wiring and schematic details)

L-12/L16 STANDARD Controller

Inhibit:

Pins 2 and 3 - Dry contact.
DO NOT PROVIDE VOLTAGE
ACROSS PINS 2 AND 3
Held closed, conveyor will stop.
Opened, conveyor will run.

Pins 1 and 4 - Require a 24VDC voltage to stop the conveyor. V+ on pin 4, V- on pin 1 (Standard 24VDC relay used. Must order 12VDC or 110VAC if wanting a different control voltage)



STD - Dry Contact or Power Supplied (24VDC) Inhibit. (12VDC and 110VAC optional at time of purchase

SECTION 5: WARRANTY

Limited Warranty

Superior Paper Handling Solutions (Superior) warrants this product to be free from defects in materials and workmanship, when used under recommended operating conditions for a period of one year from the date of original retail purchase.

If a defect is discovered during the warranty period, Superior (or authorized agent) will make the repairs at no charge. If the defect is not field repairable, the entire unit should be returned to Superior who will, at its sole option, repair or replace the product at no charge, other than shipping expenses to and from the Superior facility in Minneapolis, Minnesota, USA. All returns require prior approval by an authorized Superior employee and must have a Return Goods Authorization number.

This warranty applies only to products manufactured by Superior. The warranty is void if the product has been damaged by accident, abuse, misuse, neglect, improper maintenance, misapplication, or as a result of being attached to equipment not supplied by Superior; if the unit has been modified without the written permission of Superior; or if the units serial number has been removed or defaced. This warranty does not apply to the failure of any rubber based or consumable components including, but not limited to, "o" rings, belts, rollers, fuses, or lamps.

Superior is not responsible for special, incidental, or consequential damages resulting from any breach of warranty or under any other legal theory, including lost profits, downtime, goodwill, or damage to or replacement of equipment or property.

This warranty and the remedies set forth above are exclusive and are in lieu of all others, oral or written, expressed or implied. There are no warranties that extend beyond the description on the face hereof. No Superior employee or authorized agent is authorized to make any modification, extension, or addition to this warranty.

Notes			