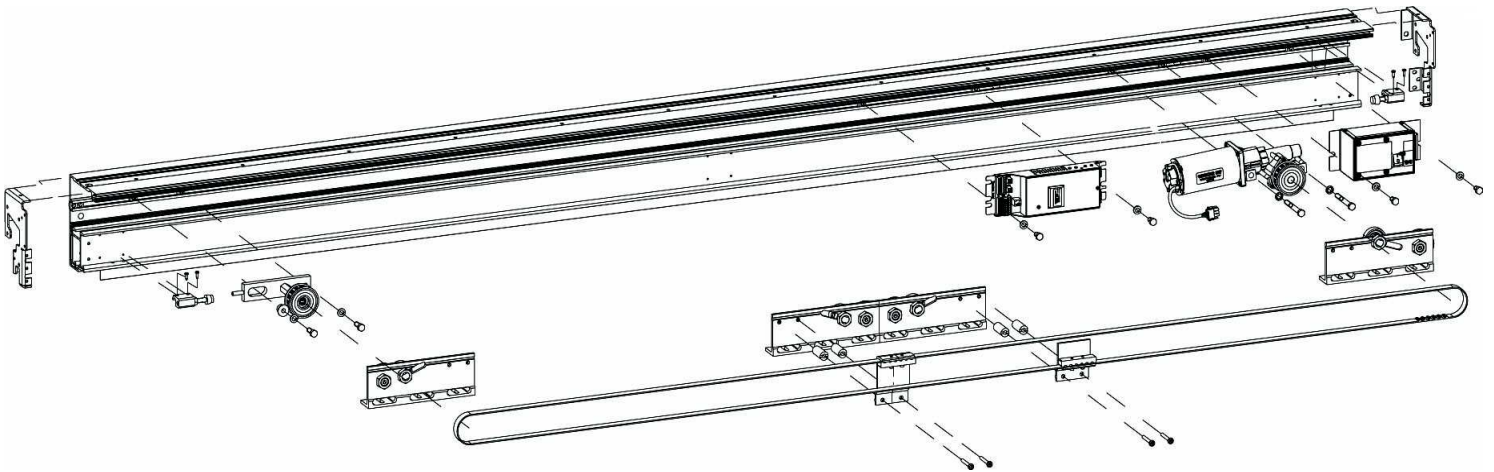


**SLD International Drive System
110/220 VAC - 50/60 Hz
Installation Manual**



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1. PREPARATION REQUIREMENTS

- Instructions herein address SLD kit installation into a Stanley Door Package.
- A qualified technician is recommended to perform the installation process.

Package Size: 10' to 14' **Bi-Part** or 7' to 9' for **Single Slide** (See Figures A and B).

Door Panel Weight: Up to 220 pounds each (100 kg).

Power Required: 110 VAC, 5 amps minimum direct input/220 VAC, 5 amps (with optional transformer – 50/60 Hz).

Code Compliance: Components comply with UL, cUL.

FIGURE A

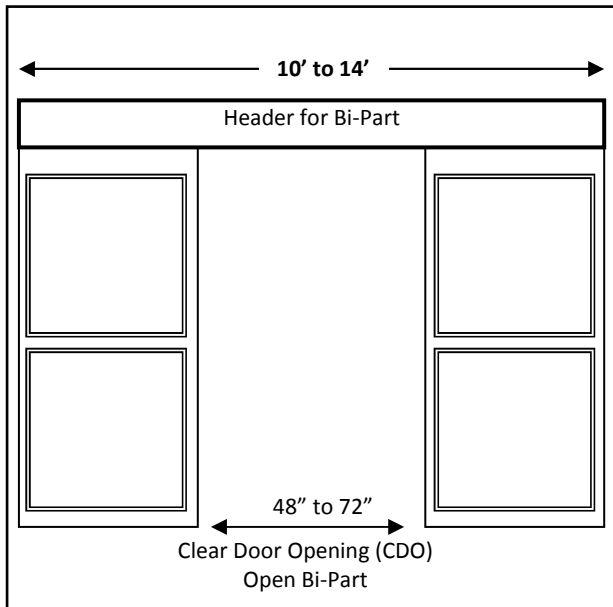
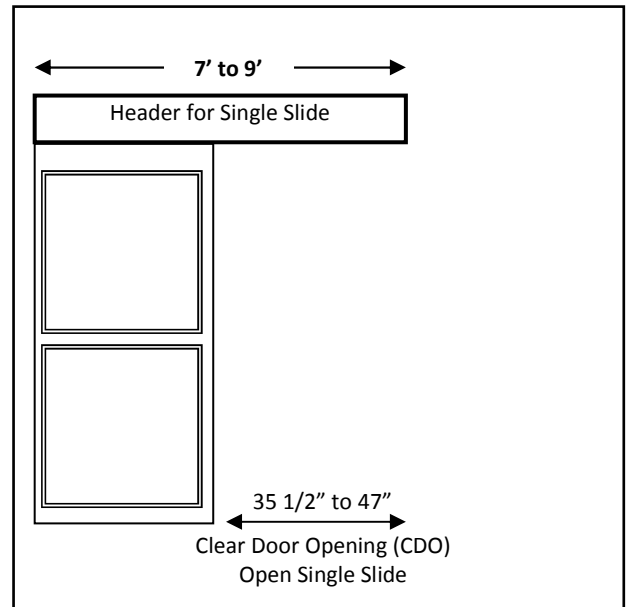
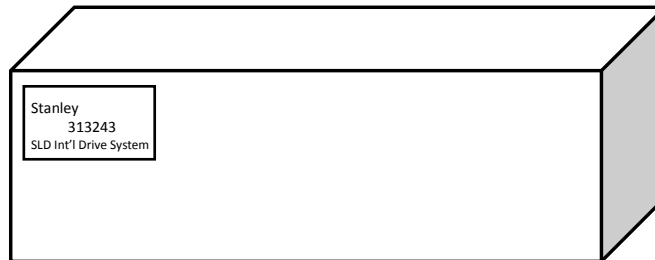


FIGURE B



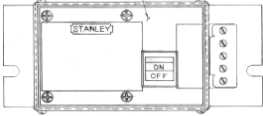
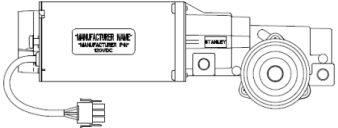
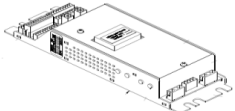
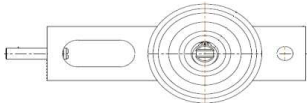
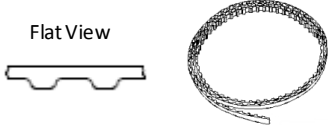
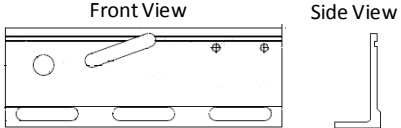
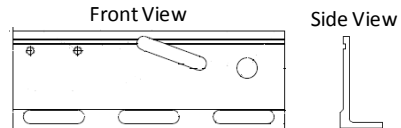
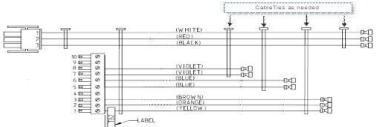

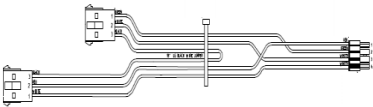
2. UNPACKING INSTRUCTIONS


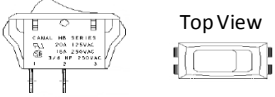
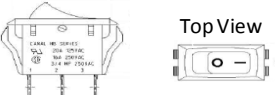
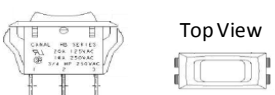


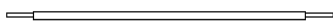
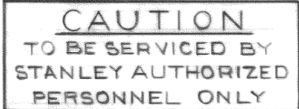
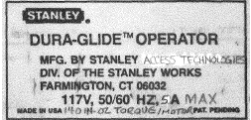


- Verify that the outside label is marked with **P/N 313243 – SLD International Drive System**.





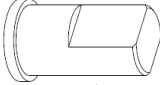















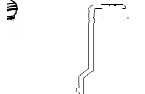



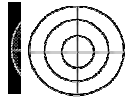
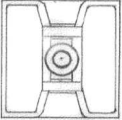


3. PARTS CHECK LIST

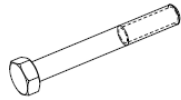










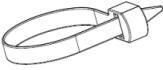
- Verify that you have received all parts.

Parts Description Included in Your Kit:	Stanley Part Number	Qty	Picture - Not to Scale
1 Step Down Power Supply	110132	1	
2 Motor & Gear Box Assembly	110055	1	
3 MC521 Control Box	185000	1	
4 Idler Assembly Pre-Assembled	515059	1	
5 Timing Belt 3/4" - 28' Length	711450	1	
Hanger Brackets (Left & Right)			
6 Left Hand Hanger Bracket	111716-L	2	
7 Right Hand Hanger Bracket	111716-R	2	
Wire Harnesses Pre-bundled – Qty 4 Total			
8 Rocker Switch to Control Box Harness (Multi-color - TB2)	414098	1	
9 Power Harness (Green, White, Black)	415000	1	
10 Power Switch Harness (One end: Green, White, Black; & White, White, Green, Red)	412544	1	

<p>11 Holding Beam Harness (TB3)</p>	<p>414106</p>	<p>1</p>	
<p>Switches</p>			
<p>12 One-Way & Reduced Open Rocker Switch</p>	<p>713080</p>	<p>2</p>	
<p>13 Power Rocker Switch</p>	<p>713081</p>	<p>1</p>	
<p>14 Auto/Close/Open Rocker Switch</p>	<p>713082</p>	<p>1</p>	
<p>15 Ground Wire (Green 16" length, 18 gauge)</p>	<p>711527</p>	<p>1</p>	
<p>16 Terminal Blocks - 10 Position</p>	<p>714055</p>	<p>2</p>	
<p>17 Jumper Wire Black</p>	<p>413363</p>	<p>1</p>	
<p>18 Stanley... "Caution To Be Serviced by..." Decal</p>	<p>712511</p>	<p>1</p>	
<p>19 "Stanley...Duraglide Operator..." Decal</p>	<p>711632</p>	<p>1</p>	
<p>20 "STANLEY" Decal</p>	<p>413740</p>	<p>2</p>	
<p>21 Rocker Switch Decal</p>	<p>412905</p>		

Load Wheels / Anti-Risers / Fasteners			
22	Anti-Riser Roller	412405	4 
23	Load Wheel	411499	4  
24	Nuts-Hex-Jam 3/4"-10	380257499	8 
25	Stud for Anti-Riser Wheel	411450	4 
26	Plate-Back Up for Anti-Riser	711627	4 
Caution/Safety/Stanley Decal Set		310396	
27	Stanley... "Out"/"Do Not Enter" Decal	511165	1  
28	Stanley... "In"/"Do Not Enter" Decal	511164	1  
29	Stanley... "AUTOMATIC DOOR" Decal	412615	1 
30	Stanley... "Activate Switch to Operate" Decal	413743	2  
31	Stanley... "Caution: Automatic Sliding Door..." Decal	412638	1 
32	Stanley... "AUTOMATIC CAUTION DOOR" Decal	410796	4 

<p>33 Stanley... "DAILY SAFETY CHECK" Decal</p>		<p>1</p>	
<p>34 Swing Door Safety Decal Installation Guide</p>		<p>1</p>	
<p>35 Belt Bracket - Short</p>	<p>411810</p>	<p>1</p>	<p>iew Side View</p> 
<p>36 Belt Bracket - Long</p>	<p>515073</p>	<p>1</p>	<p>ew Side View</p> 
<p>37 Bumper Stop Assy Left Hand</p>	<p>711710</p>	<p>1</p>	
<p>38 Bumper Stop Assy Right Hand</p>	<p>711709</p>	<p>1</p>	
<p>39 Clamp Belt</p>	<p>411507</p>	<p>2</p>	
<p>40 Bushing for Idler Adjustment</p>	<p>711324</p>	<p>1</p>	
<p>41 Harness Mounting with Adhesive Back</p>	<p>709120</p>	<p>24</p>	
<p>42 Hanger Filler</p>	<p>413494</p>	<p>4</p>	<p>Side View Top View</p> 
<p>43 Screws, HHM - 3/8-16 x 3 1/4</p>	<p>351279499</p>	<p>2</p>	

44	Screws, HHM - 5/16-18 x 2 1/2 Grade 5	351254499	4	
45	Screws, HHM - 3/8-16 x 1 Grade 5	351270499	2	
46	Screws, HHM - 3/8-16 x 5/8	351267499	8	
47	Screws, PNH-REC 1/4-20 x 3/4	315431499	4	
48	Screws, SHM-SK 10-24 x 7/8	353338499	4	
49	Screws, TB-PNH-REC #8 18x1/2	322732960	2	
50	Washers - 3/8 - Internal Tooth	382512499	2	
51	Washers - #8 - External Tooth	382303499	2	
52	Washers - Spring Lock 3/8 Med.	382260499	7	
53	Washers - Spring Lock #10 Med.	382256499	4	
54	Nuts - Square 3/8-16	381102499	10	
55	Cable Ties	709121	24	

4. TOOLS REQUIRED



Electric Drill
Drill Bit Sizes: 1/4" Dia.



Drill Bits:
1/4" Dia.



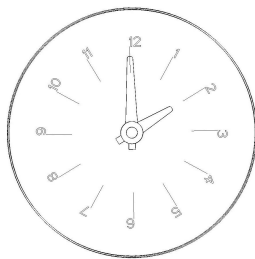
Cutter



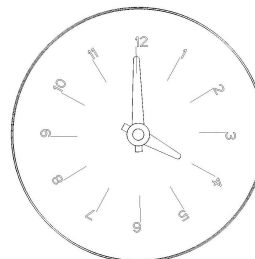
Socket Ratchet
9/16" and 1/2"

5. INSTALLATION OF SLD KIT INTO HEADER

- Estimated completion time is 2 hours.



Start Time 2PM



End Time 4PM

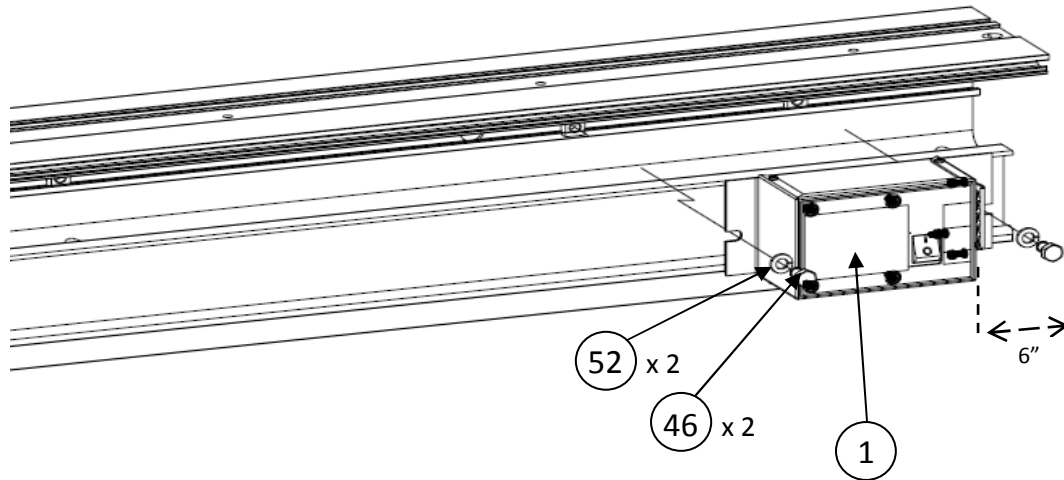
Step 1 – Install Fastening Nuts

- Insert ten (10) nuts into the nut track, allowing secured placement of others parts on the Header.
- Flat side of nut faces out; rounded side faces inside of track.
- Screw the Header Caps after insertion of all ten (10) nuts.



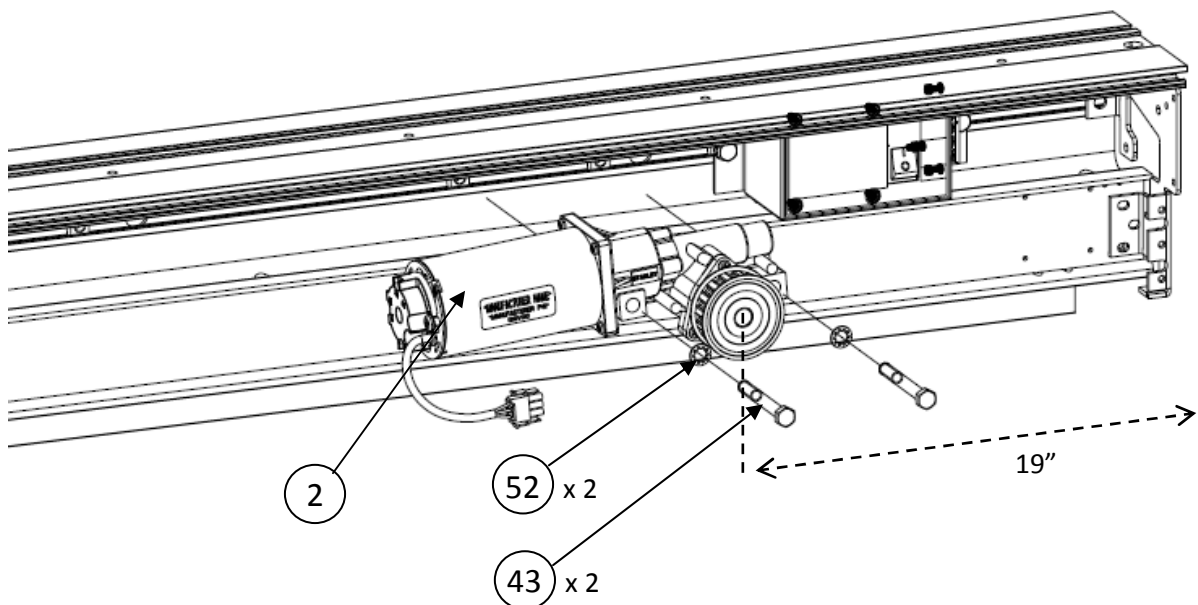
Step 2 – Install Step-Down Transformer

- **NOTE:** This step only required for 220VAC application. Skip to Step 3 if Step-Down Transformer is not necessary.
- Position the Step-Down Transformer 6" from the right side of end cap to edge of the box and fasten with appropriate hardware.



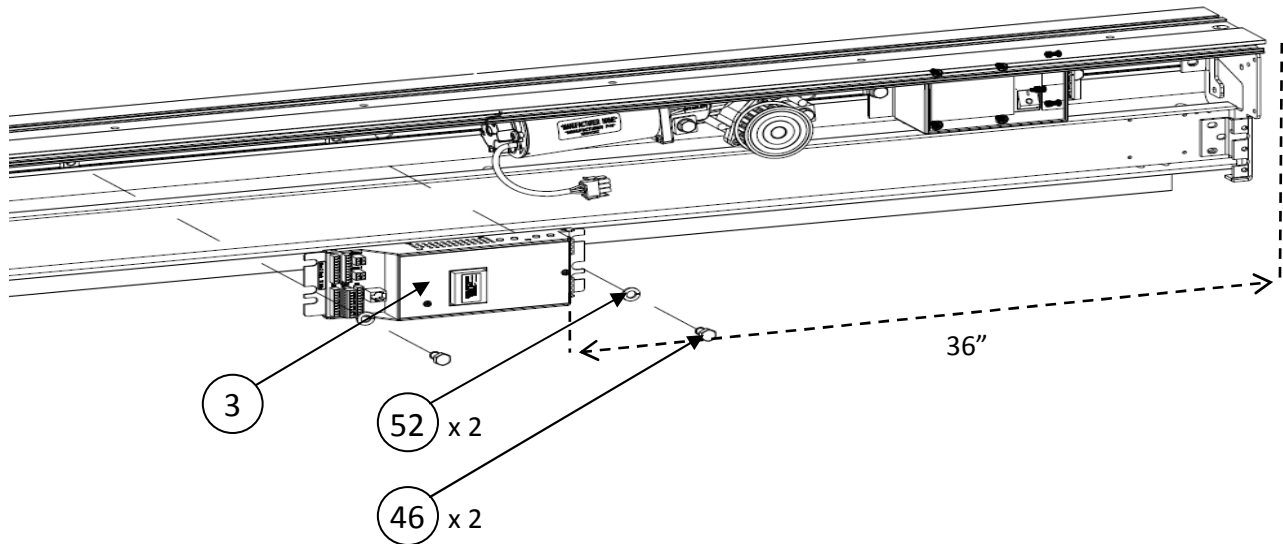
Step 3 – Install Motor & Gear Box Assembly

- Position the Motor Gear Box 19" from right side of header end to center of pulley and fasten with appropriate hardware.



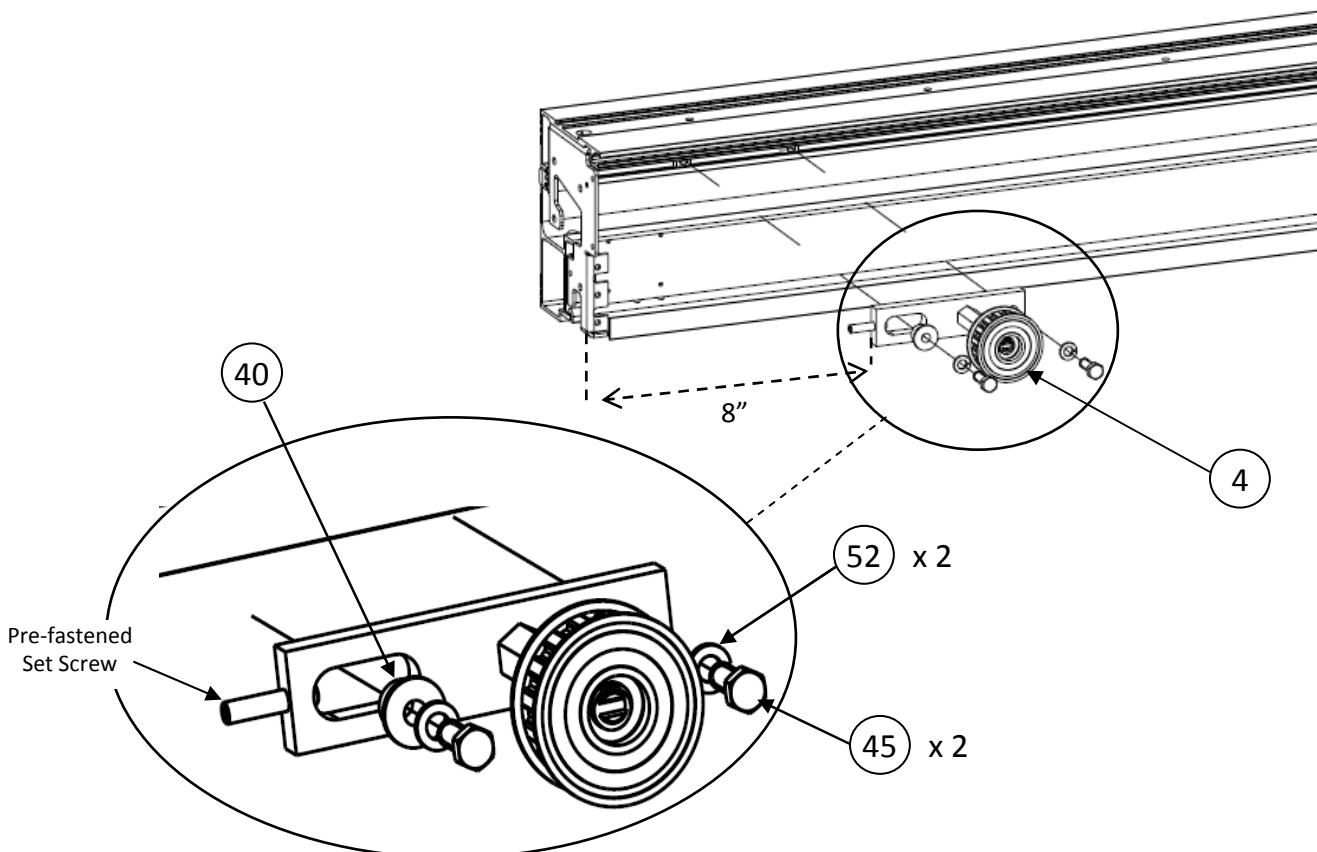
Step 4 – Install MC521 Control Box Assembly

- Position the Control Box 36" from the right side of end cap to the right side of control box (terminal blocks should be located on left side of control box).



Step 5 – Install Idler Assembly

- Position the Idler Assembly on the left side of the header 8" from left side end cap to edge of idler assembly and fasten with appropriate hardware.
- Black set screw comes inserted on Idler Assembly from the factory.

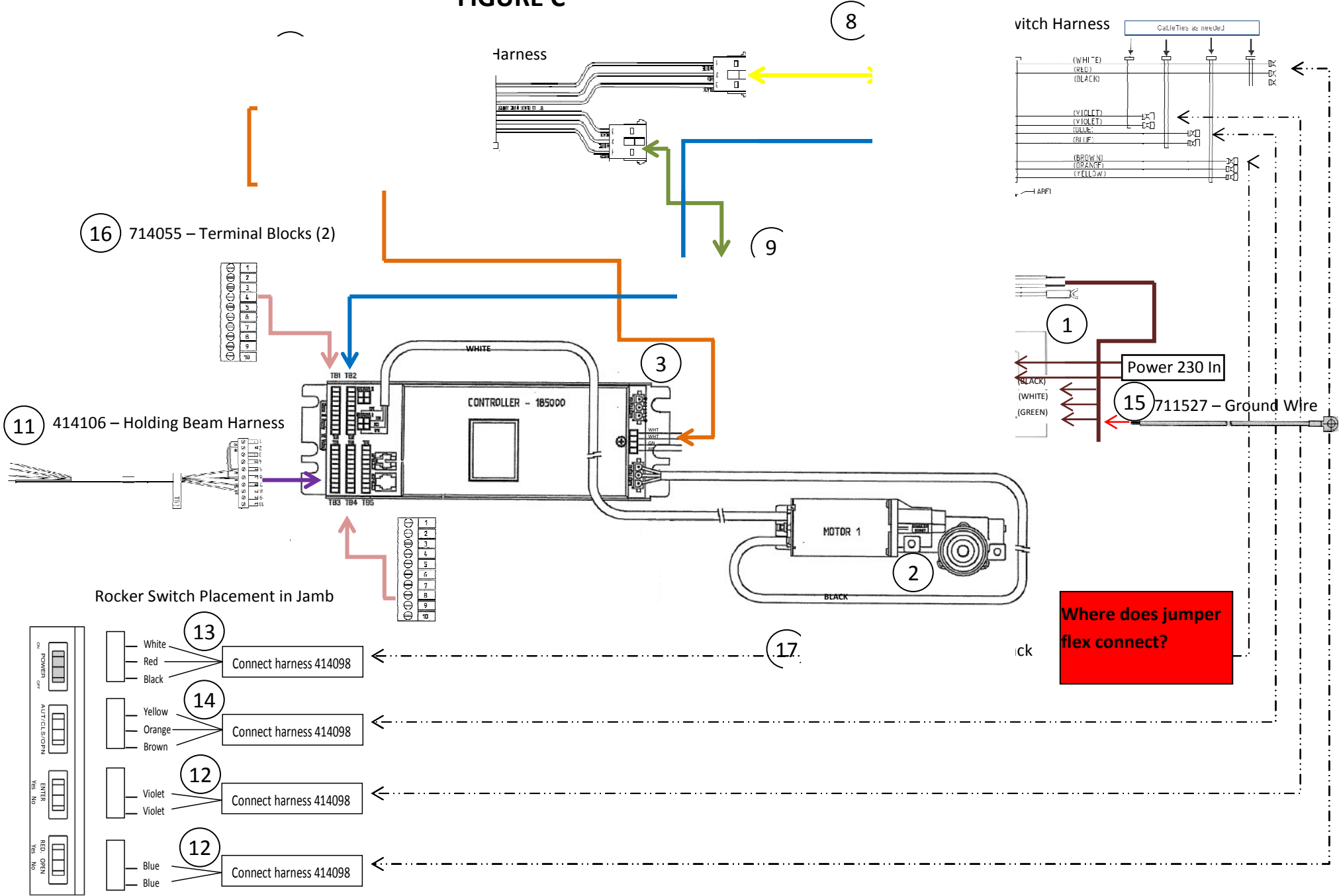


Step 6 – Install Harness and Switch

- See wiring diagram FIGURE C on next page.
- Connect the Power Harness between the step-down transformer and MC521 control box.
 - ✓ Insert on the right side of step-down transformer: green to ground; white to neutral, black to line (115 out).
 - ✓ Attach ground wire to header.
- The Power Switch Harness should get plugged into the Power Harness.
 - ✓ Match up the green, white, black connector to the same colors to the Power Switch Harness.
 - ✓ Plug the other end which contains 4 leads: white, white, green, red into the center plug on the right side of the MC521 control box.

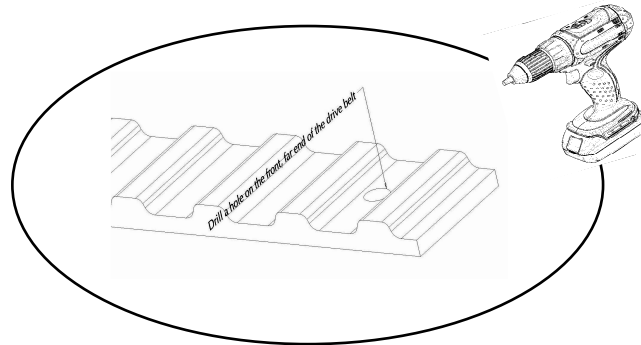
FIGURE C

Stanley Access Technologies

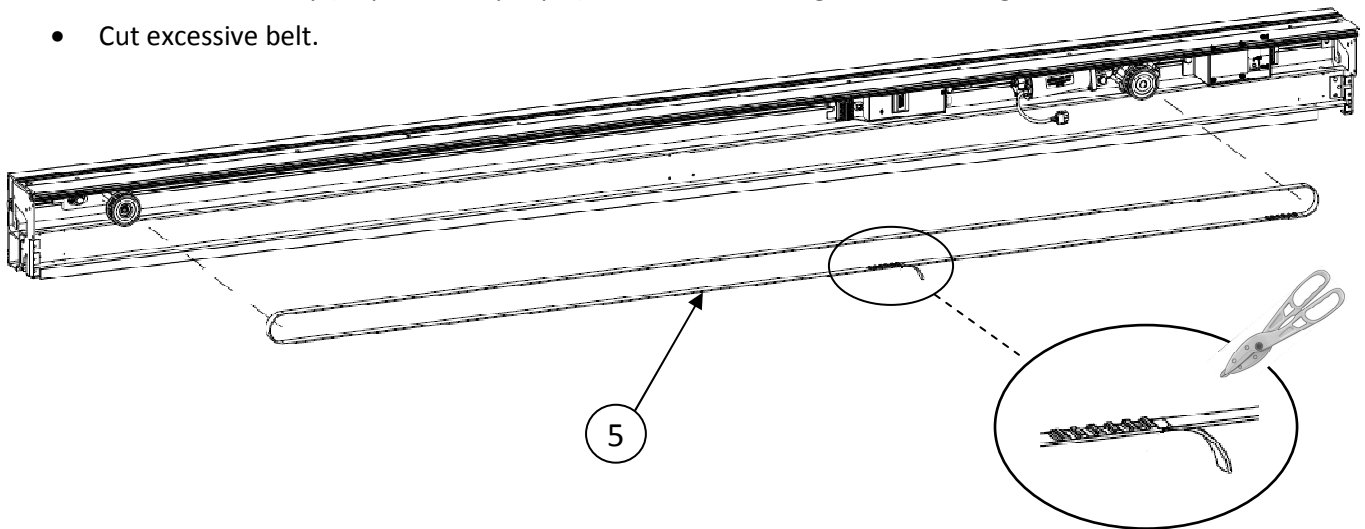


Step 7 – Install Timing Belt

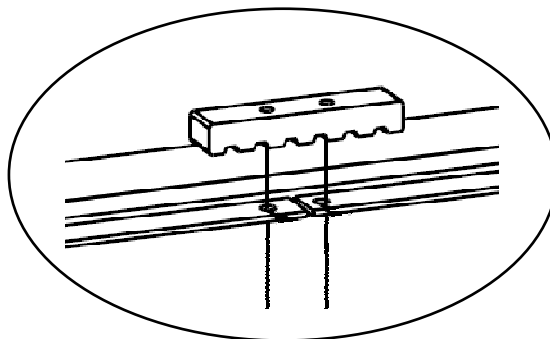
- Pre-drill a hole on one end of the timing belt.



- While holding the drilled hole end of the belt, wrap the timing belt around motor & gear box assembly and idler assembly (requires two people) to first size the length of the timing belt.
- Cut excessive belt.

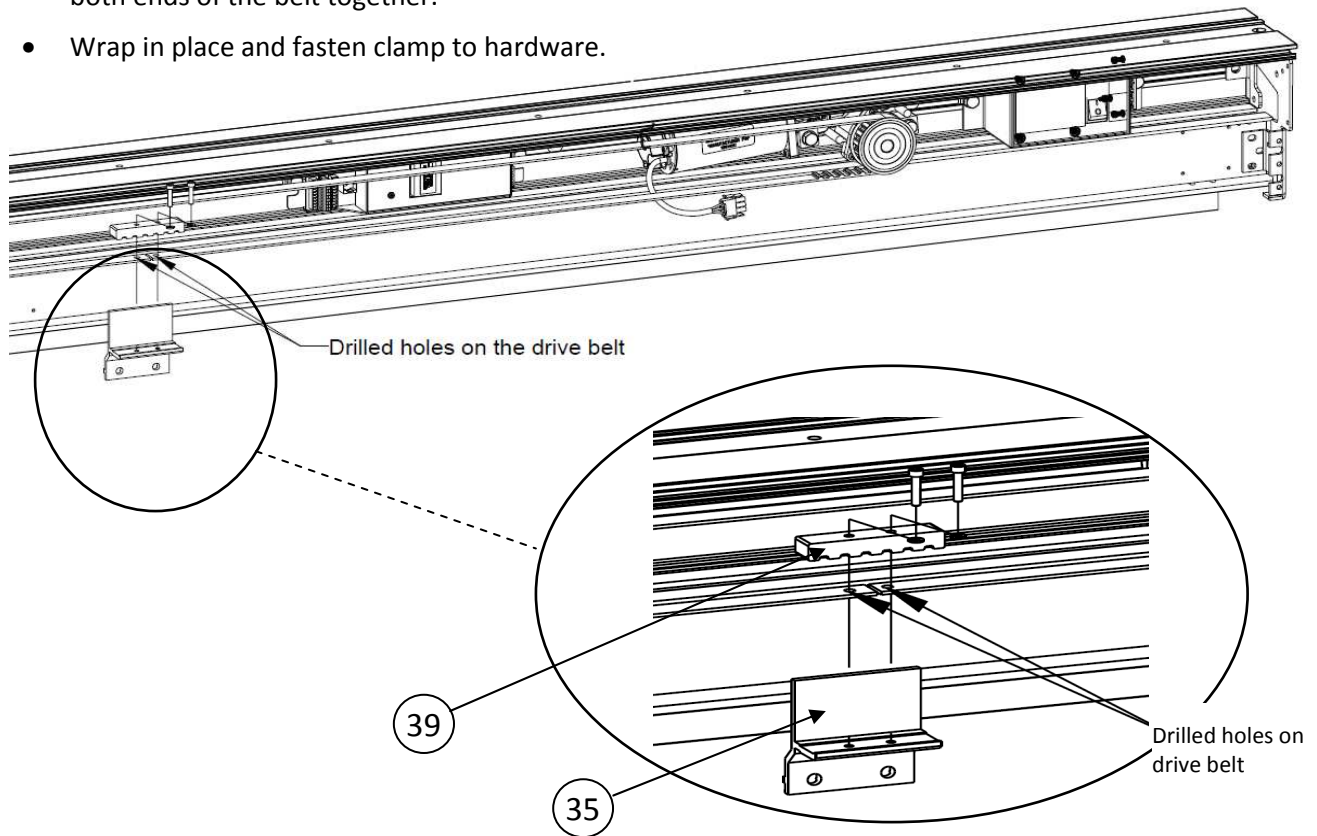


- Now that you have the correct size of the timing belt, drill another hole on the other end of the timing belt. **NOTE:** both ends should have a hole drilled for fastening hardware.

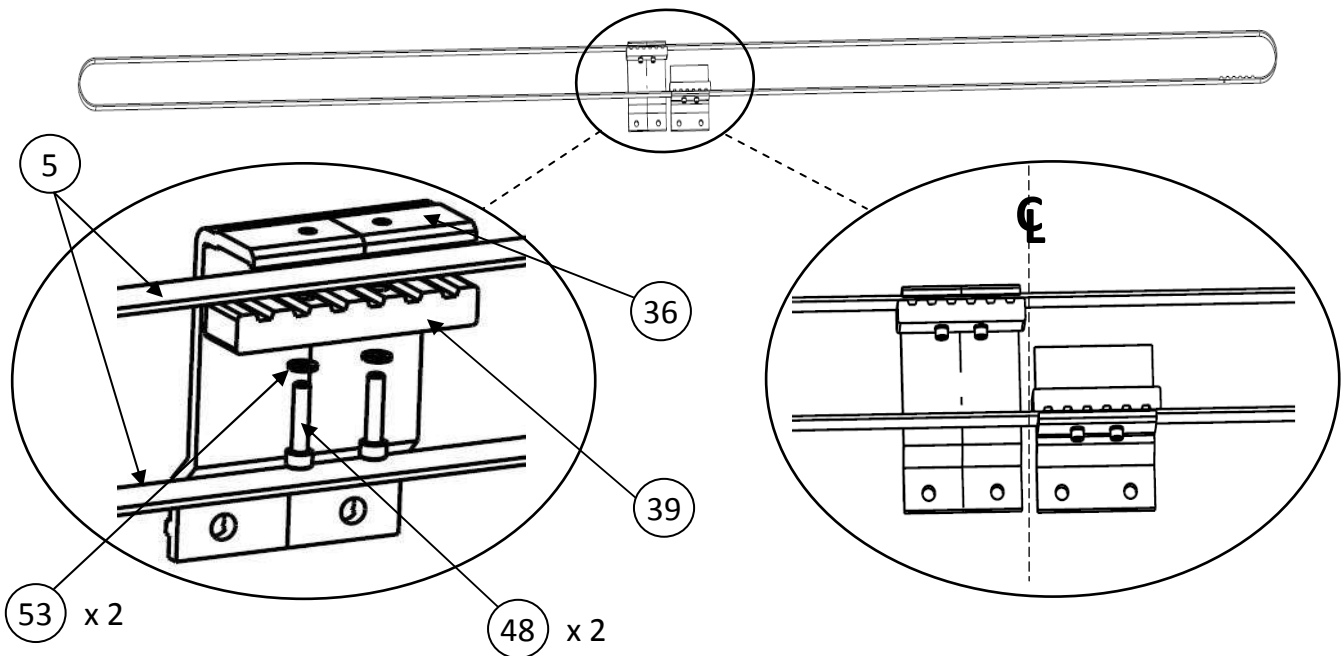


Step 8 – Install Short/Long Belt Bracket

- Screw Short Belt Bracket through the clamp belt and into the drilled holes of the timing belt to connect both ends of the belt together.
- Wrap in place and fasten clamp to hardware.

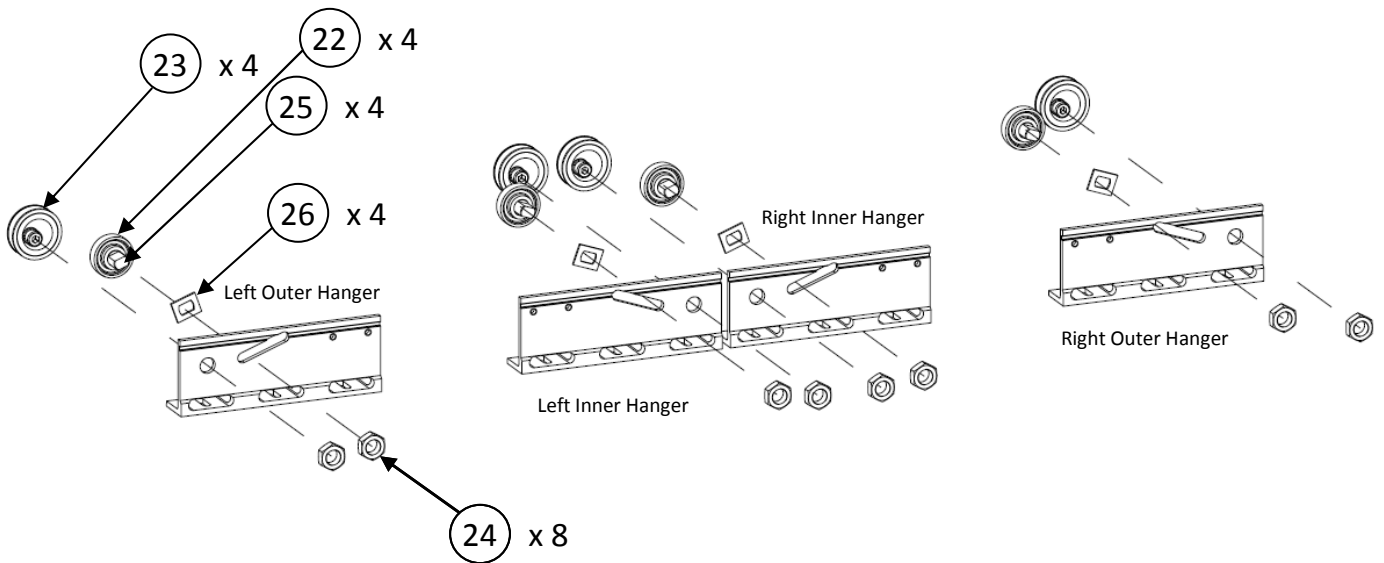


- Move the Short Bracket to center line (CL) of header and position the Long Bracket flush to short bracket.
- Fasten the long belt bracket as shown below.

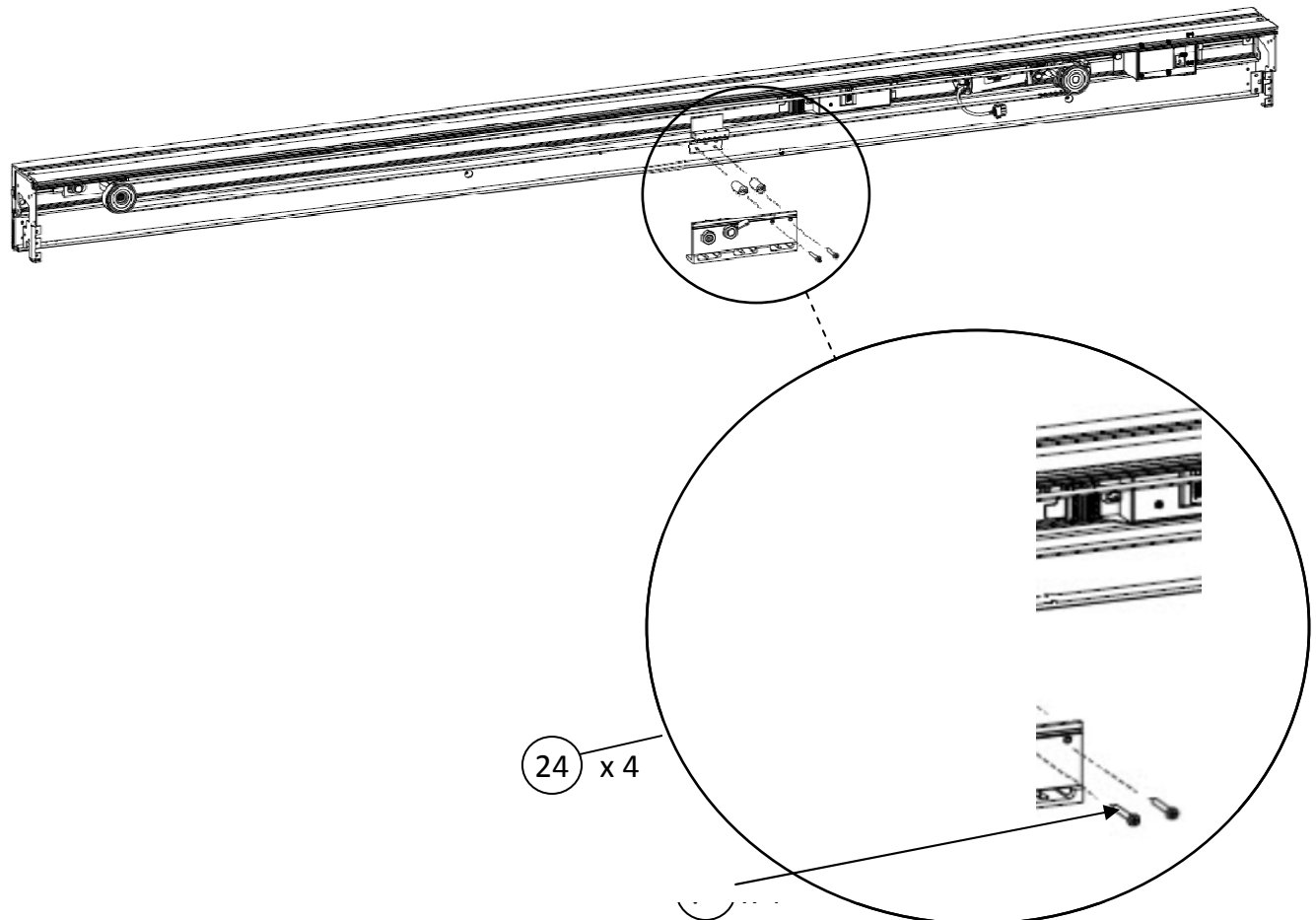


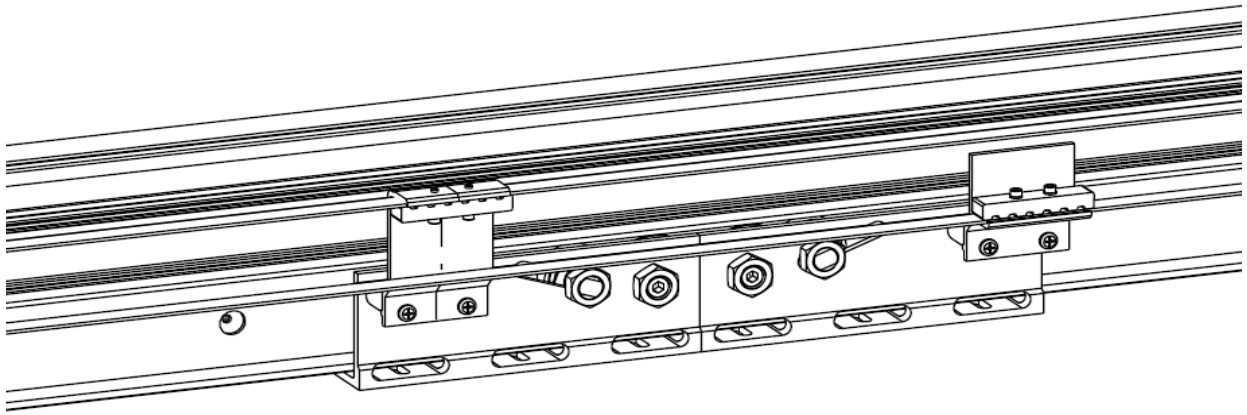
Step 9 – Install Hanger Sub-Assembly

- Pre-assemble hangers as shown below for all 4 hangers and do not tighten nuts to wheels at this time due to required adjustment later in the process.

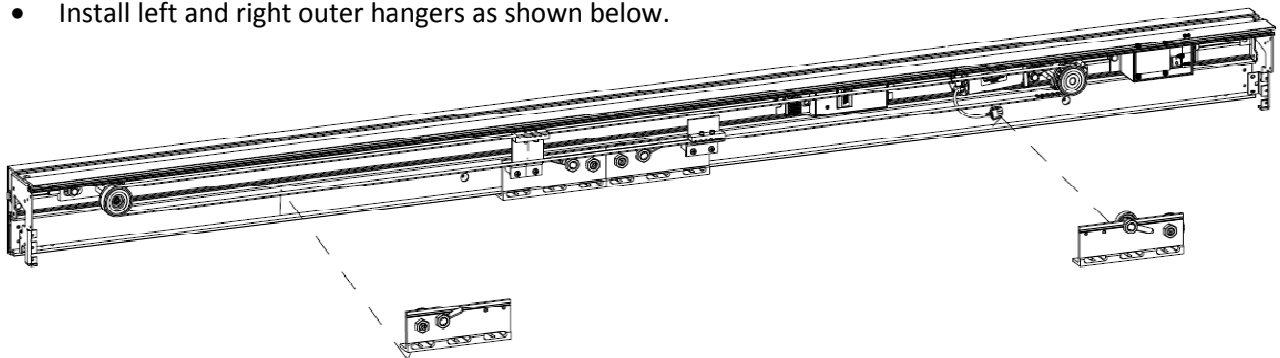


- Install left and right inner hangers and fasten to short and long brackets through hanger fillers as shown below and on next page.

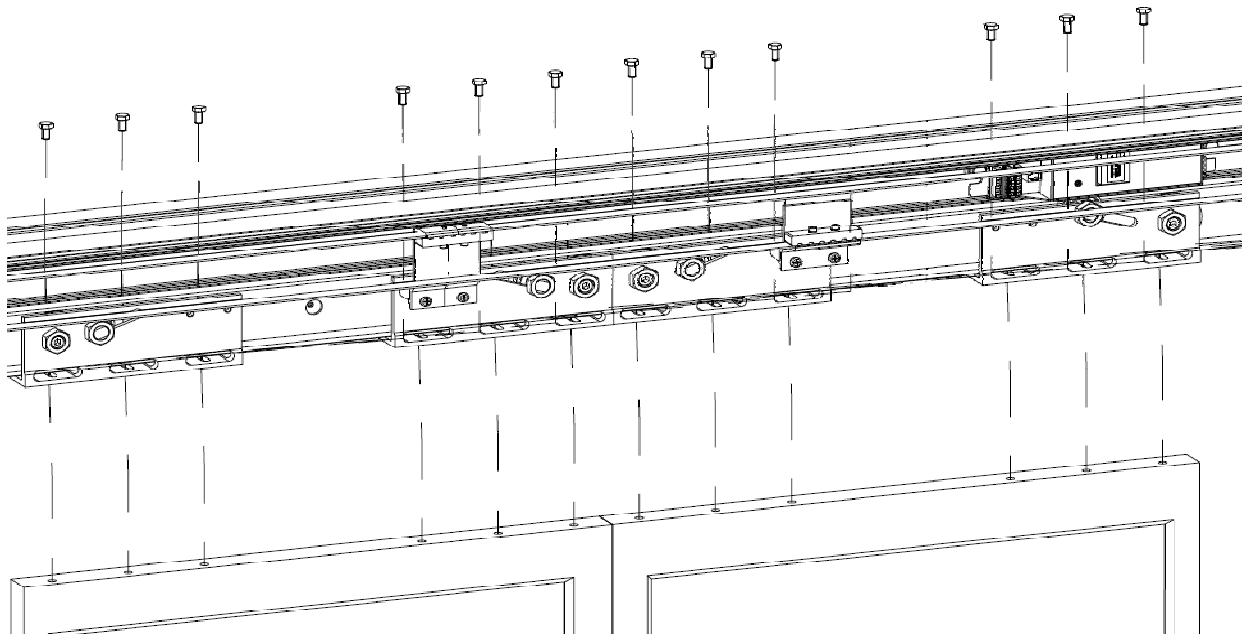




- Install left and right outer hangers as shown below.



- Fasten hangers to door panels with user supplied hardware.

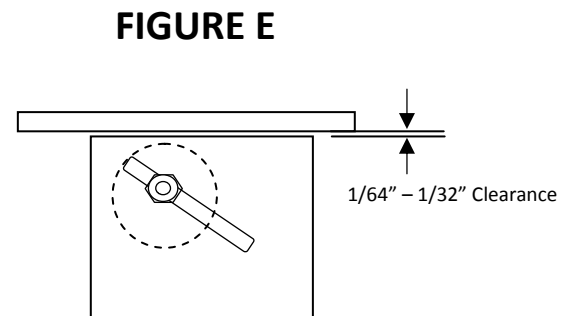
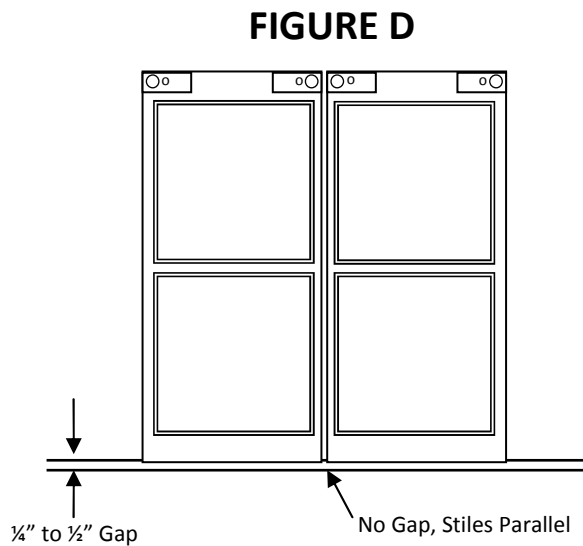


Step 10 – Adjust Panels

- Height adjustment (**Figure D**):
 - ✓ Loosen load wheel nuts and turn with Allen Wrench.
 - ✓ The gap between panels and threshold is adjustable from $\frac{1}{4}$ " to $\frac{1}{2}$ ".
 - ✓ The lead stile(s) should meet with no gap top or bottom.
 - a. Bi-Part: meet opposite panel.
 - b. Single Slide: meet jambs.
 - ✓ When adjustment is complete, tighten load wheel nuts.

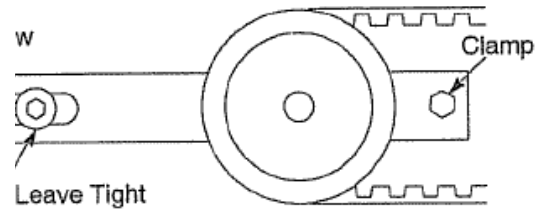
- Anti-Risers (**Figure E**):
 - ✓ Slide anti-risers up in their slots $\frac{1}{64}$ " to $\frac{1}{32}$ " clearance to track. A match book cover inserted between wheel and anti-riser track makes a handy gauge.
 - ✓ Tighten nuts.

- **CAUTION: For Proper Adjustment Use:**
 - ✓ **HEX** nut for locking.
 - ✓ **ALLEN** for height adjustment only.
 - ✓ **CHECK GAP** at anti-riser **AFTER** final tightening.



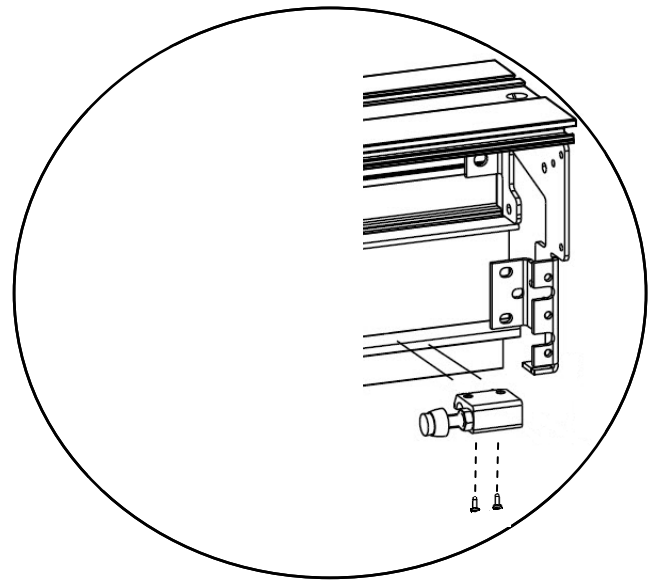
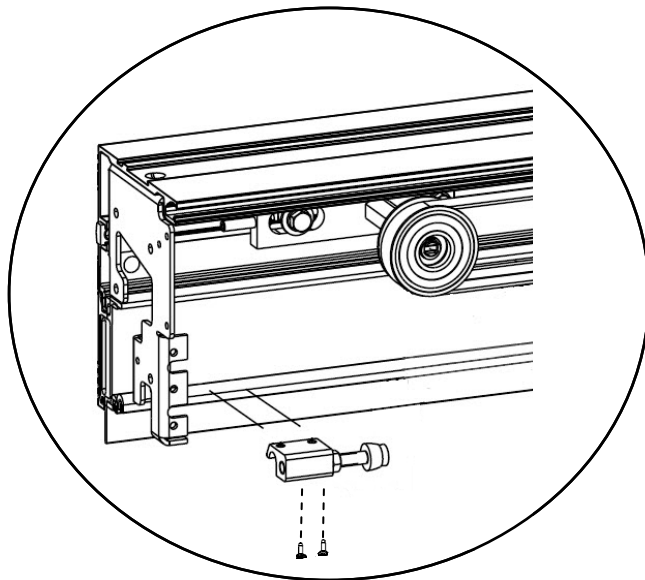
Step 11 – Adjust Belt Tension

- Tighten bolt on the Idler Pulley with an Allen wrench until you can't tighten anymore. This is to stretch the drive belt for proper movement.
- Belt tension at the center of the header is 5 lbs of force and equivalent to 1" deflection.
- Do not over tighten as it will get adjusted and tightened later in the process.



Step 12 – Install Bumper Stops

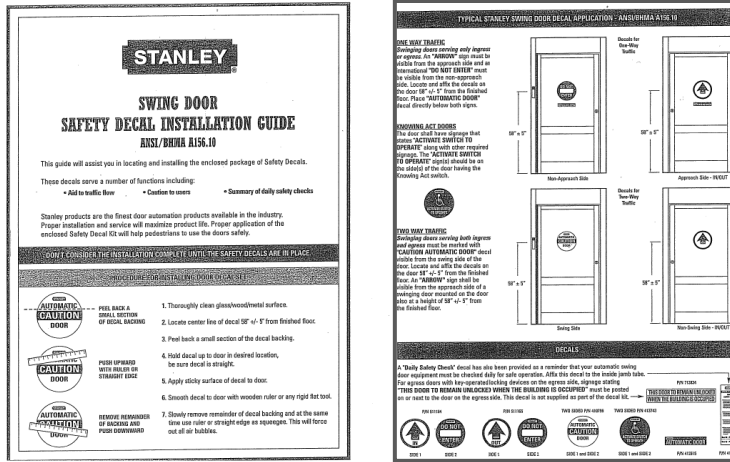
- Position door panels in fully desired "open" position
- Starting on the left side of header, drill 2 holes on left side of header for placement of bumper stop (user desired opening at maximum opening position).
- Screw in hardware and tighten.
- Follow same steps above for installation of right side bumper stop.



- Adjust bumper stops full open on bi-parts to be sure the two panels hit their stops simultaneously.

Step 13 – Install Decals

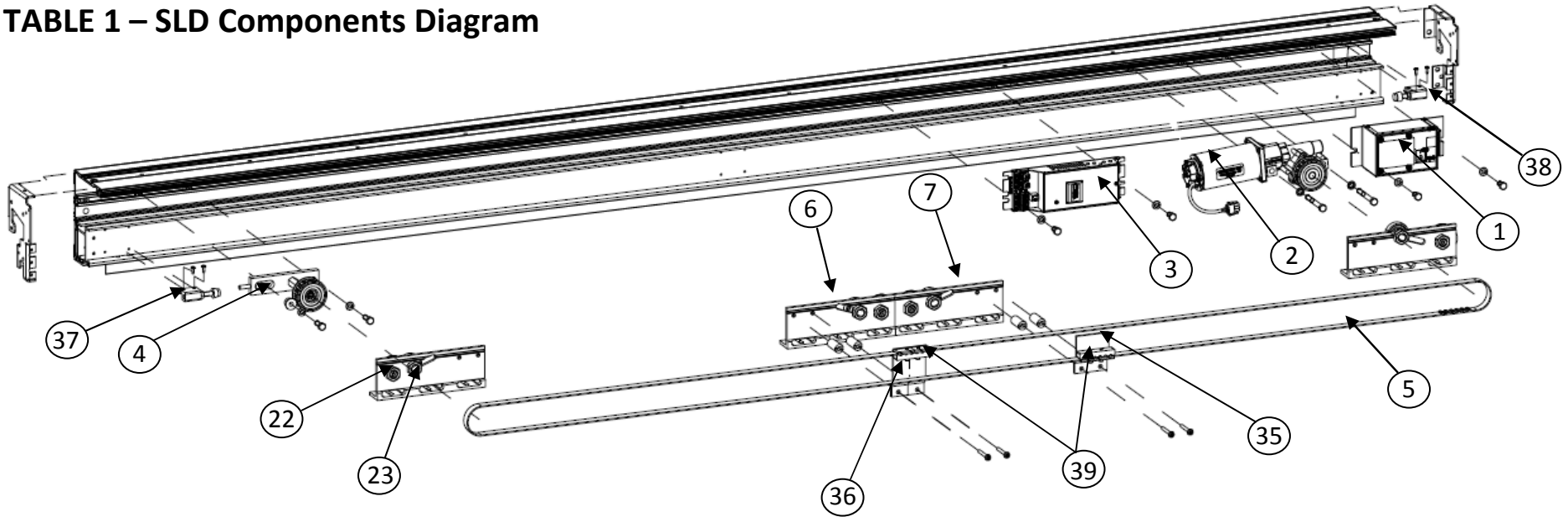
- Follow instructions included with your decals.



Step 14 – MC521 Controller Instructions

- Refer to the Installation and Operation manual for TUNE IN INSTRUCTIONS.

TABLE 1 – SLD Components Diagram



Not Shown in Diagram

- 8
9
10
11
12
13
14
25
26
40
42

REPLACEMENT PARTS

No.	Part # / Order #	Qty	Description	No.	Part # / Order #	Qty	Description
1	110132 / 313033	1	Step Down 220V Power Supply	22	412405 / 972312462	1	Anti-Riser Roller
2	110055 / 972313027	1	Motor & Gear Box Assy	23	411499 / 972312462	1	Load Wheel Assy
3	185000 / 313969	1	MC521 Control Box	25	411450	1	Stud for Anti-Riser
4	515059	1	Idler Assy-Pre-Assembled	26	711627	1	Plate Back Up for Anti-Riser
5	711450	1	Timing Belt	--	310396	1	Decal Set
6	111716-L	2	Hanger Bracket-Left	35	411810	1	Belt Bracket-Short
7	111716-R	2	Hanger Bracket-Right	36	515073	1	Belt Bracket-Long
8	414098	1	Harness-Rocker Switch	37	711710	1	Bumper Stop Assy-Left
9	415000	1	Harness-Power	38	711709	1	Bumper Stop Assy-Right
10	412544	1	Harness-Power Switch	39	411507	2	Clamp Belt
11	414106	1	Harness-Holding Beam	40	711324	1	Bushing for Idler Assy Adjustment
12	713080	2	Rocker Switch-One-Way	42	413494	1	Hanger Filler
13	713081	1	Rocker Switch-Power				
14	713082	1	Rocker Switch-Auto/Close/Open				