

L-R LIMIT SWITCH INSTALL KIT - 06401-005-00-16

R-L LIMIT SWITCH INSTALL KIT - 06401-005-00-20



WARNING! This kit *should* be installed by qualified service personnel to reduce the risk of electric shock, serious injury, or fire.

Turn off the power supply and place the dishwasher disconnect (if applicable) in the off position. Lock-out/Tag-out to prevent the power supply from being turned back on by mistake.

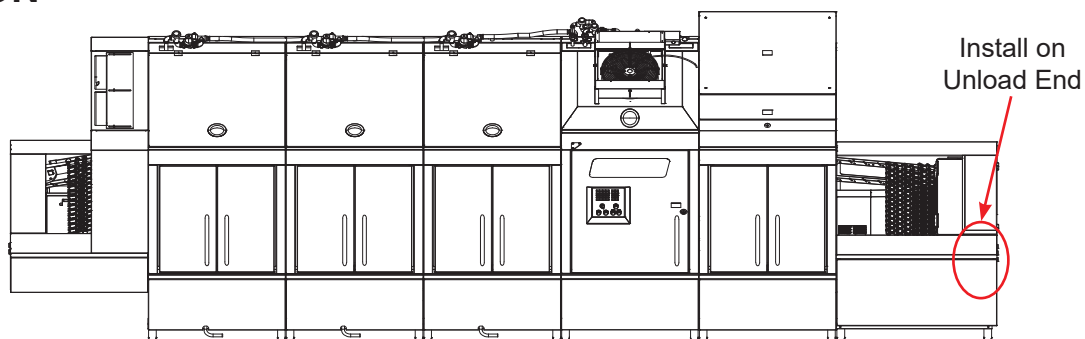
CAUTION! Failure to install this kit within the guidelines could adversely affect safety, performance, component life, and warranty coverage.

TOOLS REQUIRED

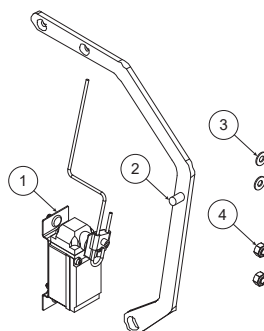
- 5/32 Hex Drive
- 1/4 Hex Drive
- 7/16 Socket
- 9/16 Socket
- 3" Socket Extension
- 7/16 Nut Driver
- Center Punch
- Drill
- Hammer
- Phillips Screwdriver
- Scissors
- Socket Wrench
- Wire Strippers
- 1/8 Drill Bit
- 9/32 Drill Bit
- 3/8 Drill Bit

INSTALL LOCATION

Left-to-Right
(L-R) Shown



PARTS INCLUDED



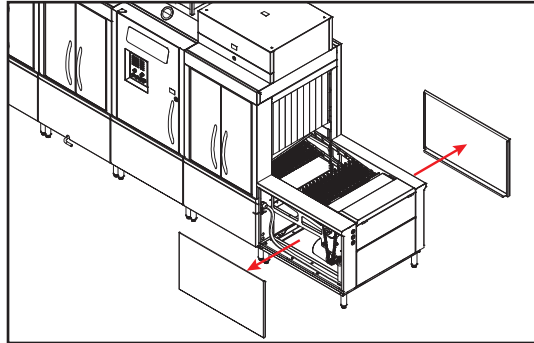
**Each kit contains only one arm, based on machine direction.*

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Limit Switch Assembly, Mechanical	05700-005-00-03
2*	1	Arm, Conveyor Stop, Front, L-R	05700-005-00-18
		Arm, Conveyor Stop, Back, R-L	05700-005-00-19
3	2	Washer, 1/4-20	05311-174-01-00
4	2	Locknut, 1/4-20 with Nylon Insert	05305-374-01-00

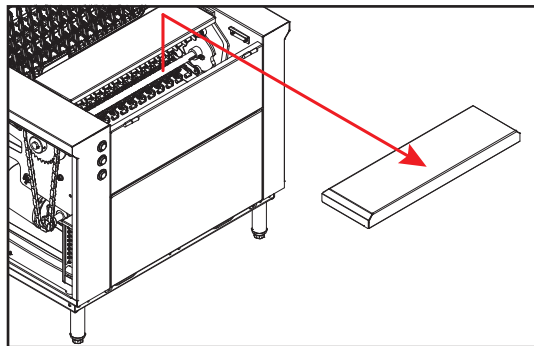
PROCEDURE

*Left-to-Right (L-R)
machine shown.*

1. Remove front and rear dress panels from Unload Section.

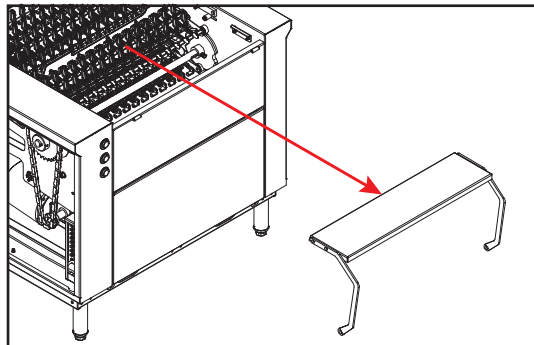


2. Remove unload shelf.



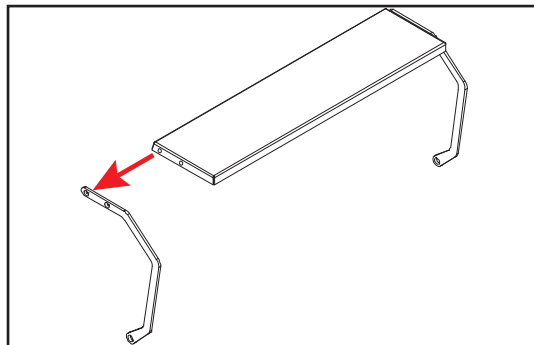
3. Remove conveyor stop using 1/4 hex drive and 9/16 socket.

*1/4 hex drive and 9/16
socket with extension
used in this step.*



4. Remove front arm from conveyor stop using phillips screwdriver.

*Phillips screwdriver used
in this step.*

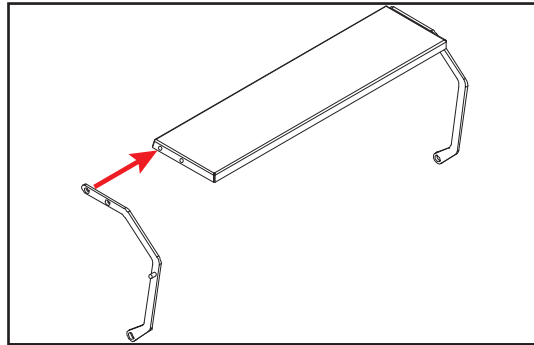


PROCEDURE

- Put new conveyor stop arm from kit in place of old arm using phillips screwdriver.

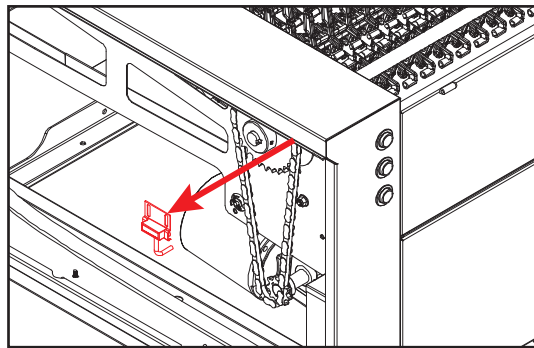
Conveyor stop arm from kit used in this step.

Phillips screwdriver used in this step.



- Remove reed switch using 7/16 nut driver or socket and leave hanging with wires connected.

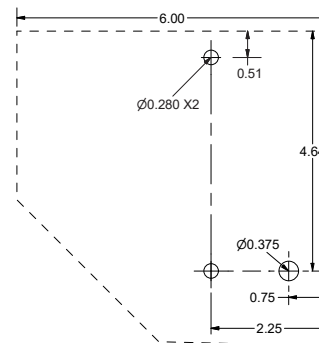
7/16 nut driver or socket used in this step.



- Cut template from last page of these instructions, ensuring L-R or R-L.

Difference in L-R and R-L machines in this step.

Scissors and template used in this step.

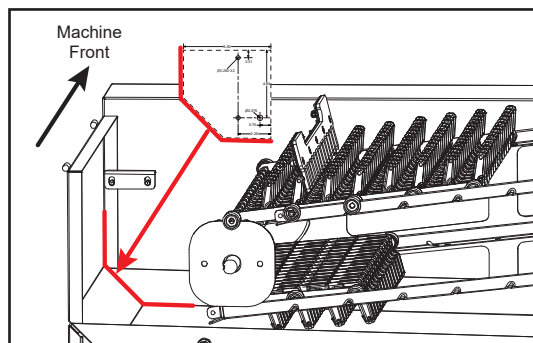


L-R shown!

- Place template against three planes of unload section.

Difference in L-R and R-L machines in this step.

Template used in this step.

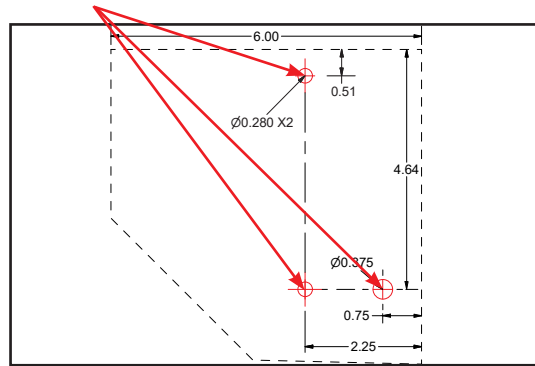


L-R shown!

PROCEDURE

9. Use center punch on centerpoints to mark drill locations.

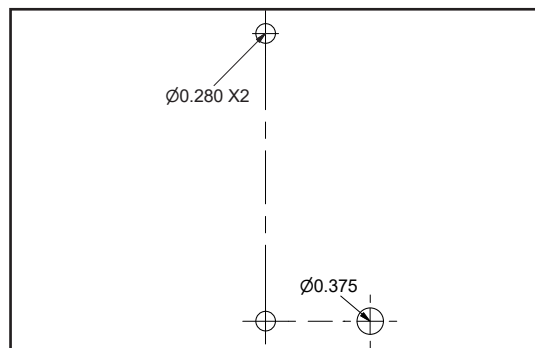
Center punch & template used in this step.



10. Drill holes to size indicated on template. Deburr holes and remove shavings.

Drill/drill bits used in this step.

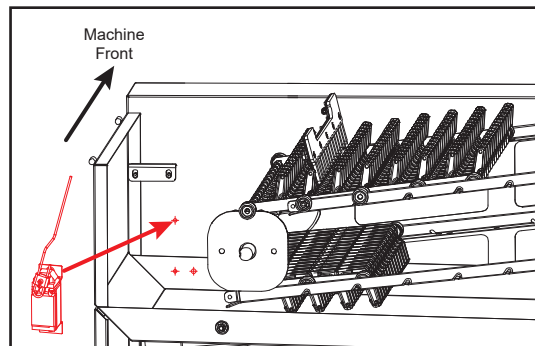
Use 1/8 drill bit for pilot holes.



11. Install limit switch into two smaller drilled holes and secure to machine using hardware from kit. Pass limit switch wiring through larger drilled hole.

Difference in L-R and R-L machines in this step.

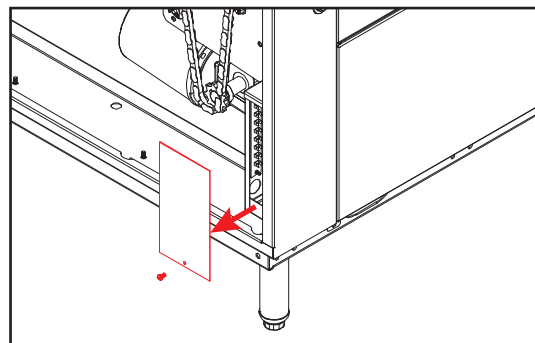
Limit switch assembly & hardware from kit used in this step.



L-R shown!

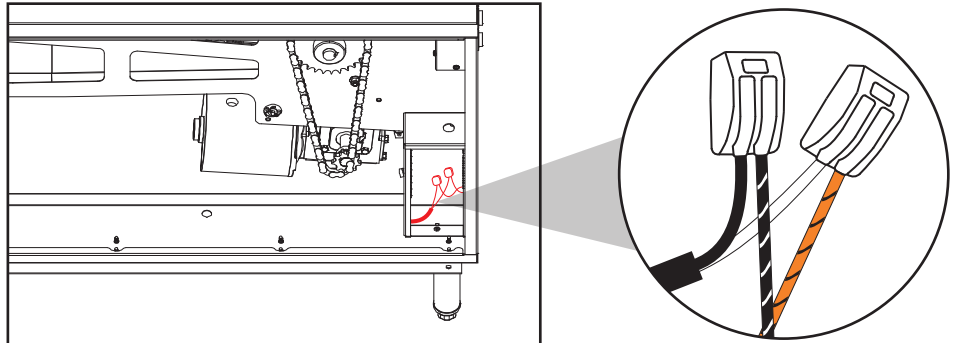
12. Remove junction box cover using phillips screwdriver.

Phillips screwdriver used in this step.

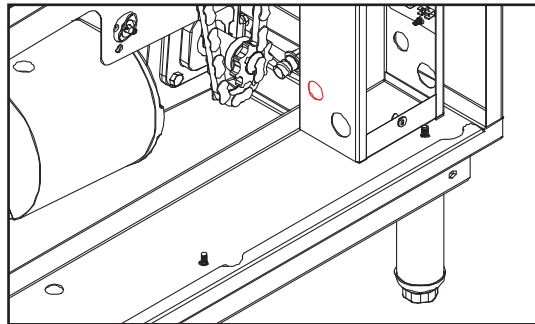


PROCEDURE

13. Locate BLK and WHT wires coming from reed switch. BLK wire is connected to a connector with a BLK/WHT wire from machine. WHT wire is connected to a connector with an ORG/BLK wire from machine.

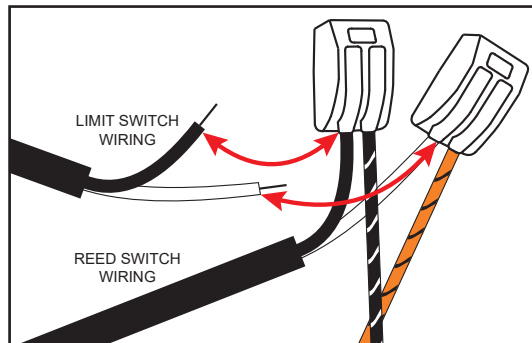


14. Route limit switch wiring from Step 11 through hole in junction box and use wire strippers to strip ends of BLK and WHT wires.

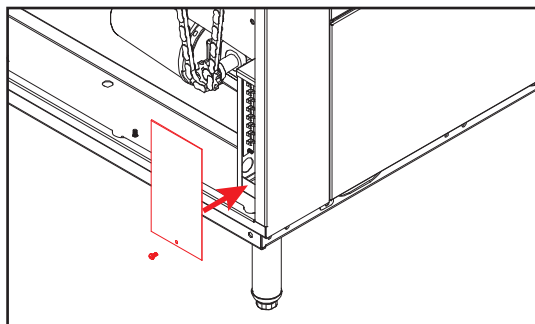


*Wire strippers used
in this step.*

15. Remove reed switch BLK wire from connector and replace with limit switch BLK wire. Remove reed switch WHT wire from connector and replace with limit switch WHT wire.



16. Discard reed switch and wiring. Replace junction box cover using phillips screwdriver.

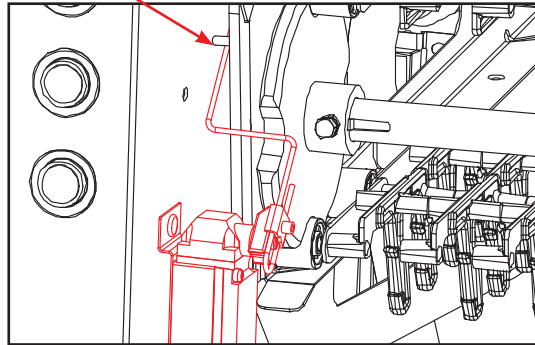


*Phillips screwdriver used
in this step.*

PROCEDURE

17. Re-install conveyor stop using 1/4 hex drive and 9/16 socket, ensuring striker from limit switch is BEHIND stud on new conveyor stop arm.

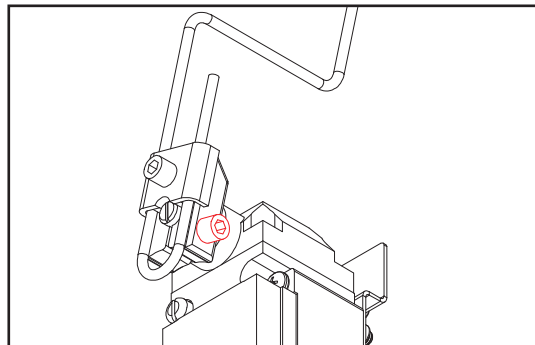
1/4 hex drive and 9/16 socket with extension used in this step.



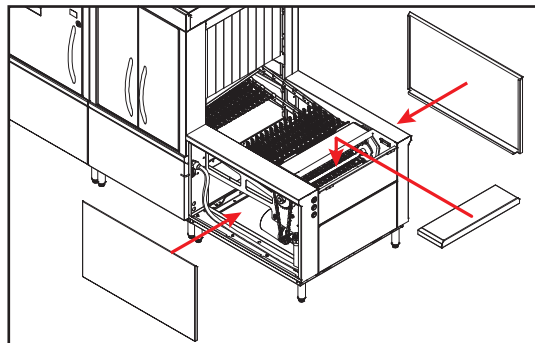
18. Use 5/32 hex drive on limit switch set screw to adjust striker. Set striker where limit switch is engaged when conveyor stop is in position but disengages with any movement of conveyor stop.

5/32 hex drive used in this step.

Any movement of conveyor stop must engage limit switch!

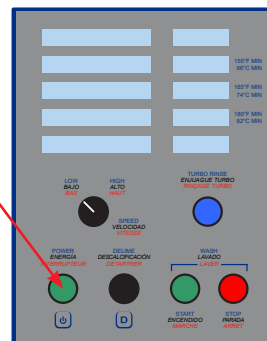


19. Replace dress panels and unload shelf.



20. Restore power and test functionality. Adjustments might be needed to ensure limit switch engages with any movement of conveyor stop (see Step 18).

Any movement of conveyor stop must engage limit switch!

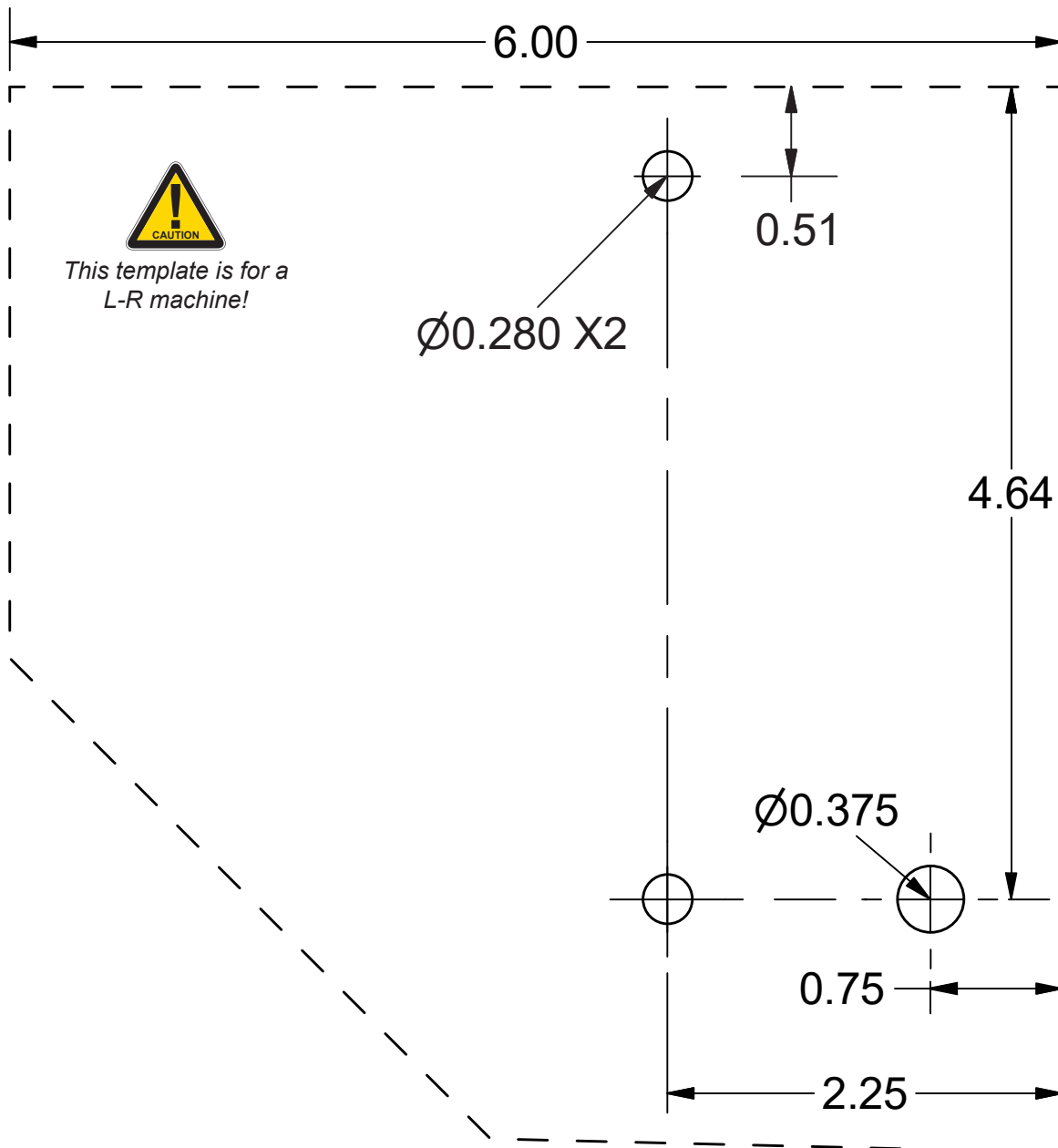


L-R TEMPLATE

Difference in L-R and R-L machines in this step.

Template is used in Steps 7–10.

- Verify 6.00 dimension above template has actually printed to 6 inches (some printers/printer settings might scale template improperly).
 - If not 6 inches, access these instructions on our website under Products > Flights > FlightStar > Resources > Limit Switch Install. Ensure printing to "no scaling" or "actual size."
- Cut template out along the dotted line.



R-L TEMPLATE

Difference in L-R and R-L machines in this step.

Template is used in Steps 7–10.

- Verify 6.00 dimension above template has actually printed to 6 inches (some printers/printer settings might scale template improperly).
 - If not 6 inches, access these instructions on our website under Products > Flights > FlightStar > Resources > Limit Switch Install. Ensure printing to "no scaling" or "actual size."
- Cut template out along the dotted line.

