

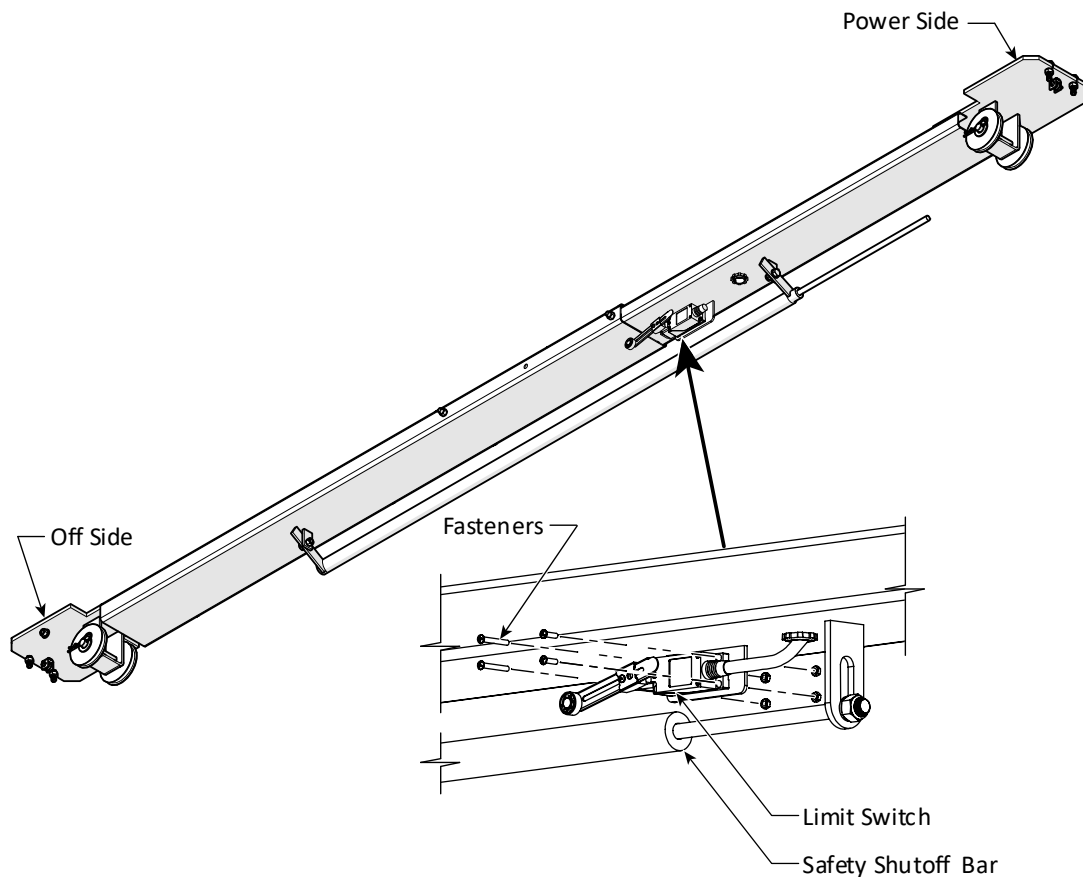
BendPak Technical Service Bulletin 10AP Limit Switch and Wiring Installation

BendPak TSB 167-052025

This Technical Service Bulletin describes the installation of an updated Limit Switch and wiring for the 10AP Two-Post Lift. This TSB will supersede Manual 5900265 rev. A10, pages: 37, 52, 75-76.

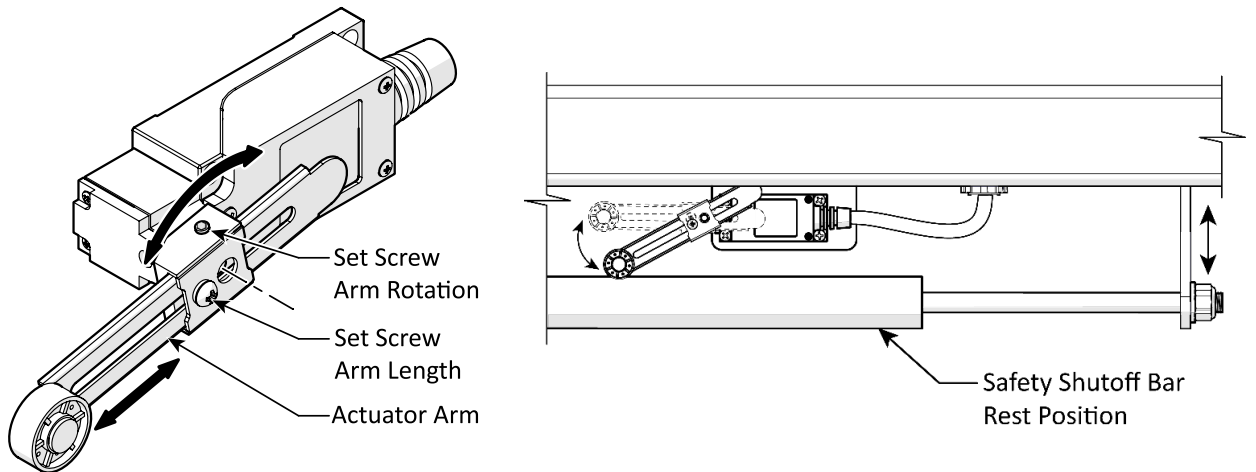
To Install the Limit Switch

1. Locate the Limit Switch and hardware required to install it.
2. Install the Limit Switch on the Limit Switch Bracket—positioned so that the Safety Shutoff Bar, when moved upwards, will contact the Limit Switch Actuator Arm.

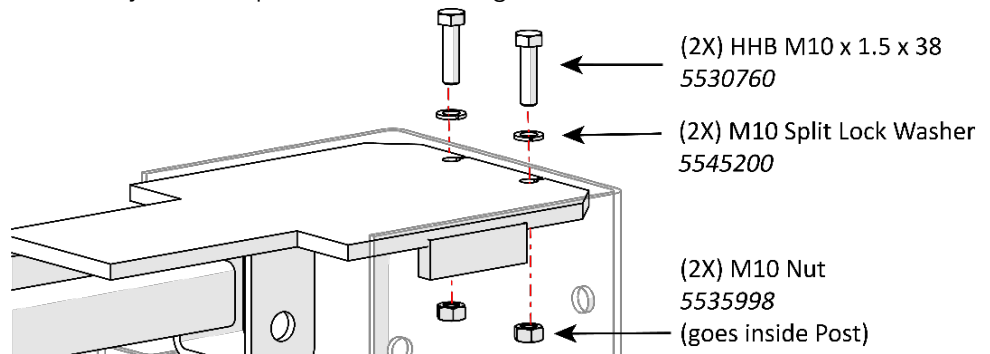


For Three-Phase Installations see page 6.

- Loosen the Arm Rotation Set Screw and rotate the Arm downwards until it contacts the Safety Shutoff Bar in its rest position. If necessary, adjust the arm length by loosening the Arm Length Set Screw. The Limit Switch should be free to travel and follow the Safety Shutoff Bar as it moves up and down. Refer to the illustrations below.



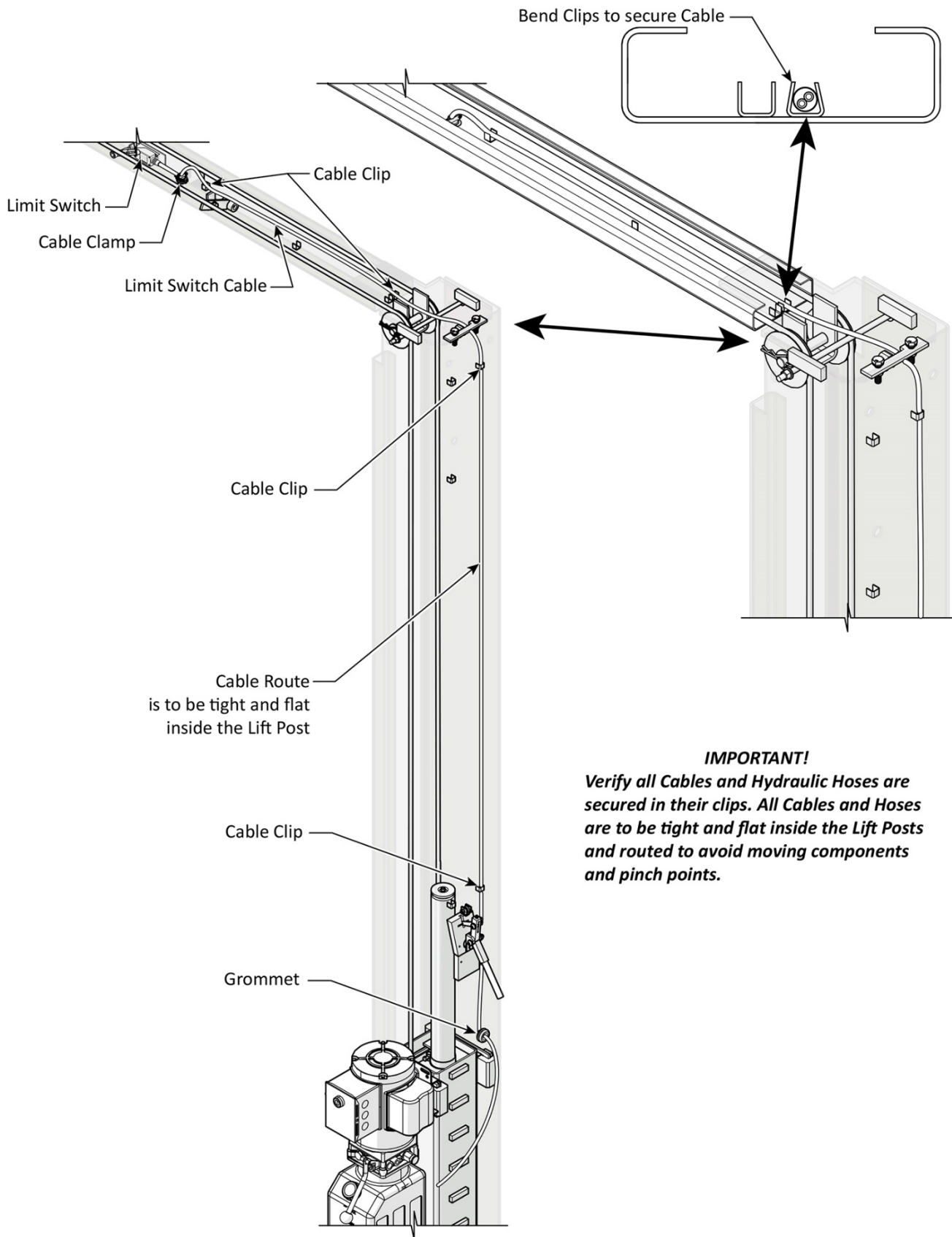
- Use the supplied hardware to secure the Limit Switch and Limit Switch Cover in place.
- Use an appropriate lifting device to put the Overhead Assembly into position, **making sure to position the Limit Switch Bracket on the same side as the Power Side Post.**
- Bolt the Overhead Assembly to the top of the Posts using two Bolts, Lock Washers and M10 Nuts on each end.



- Route the Limit Switch wiring as shown on the next page and secure the Cable with the clips on the Overhead and inside the Power Side Post. Do *not* connect the cable to the Limit Switch. The Electrician will complete this task.

Leave enough of the 14-2 cable near the switch and near the Power Unit for the electrician to make the connections.

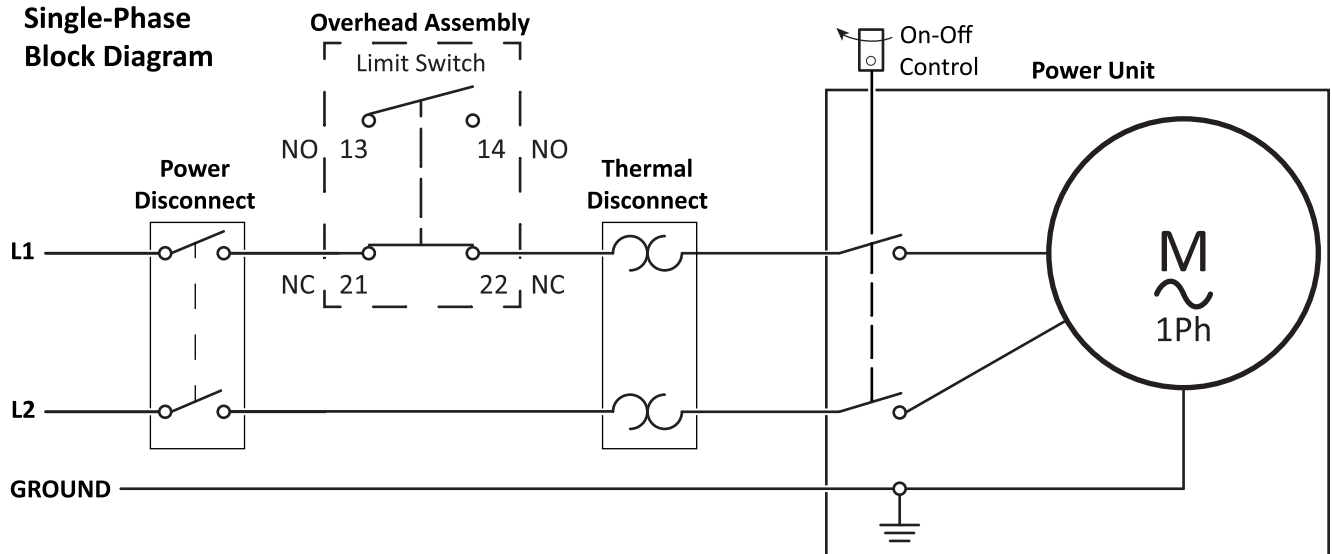
The Limit Switch Cable exits the Power Side Lift Post below the Safety Release through a cable grommet and is routed to the Power Unit. See illustration on the following page.



IMPORTANT!
 Verify all Cables and Hydraulic Hoses are secured in their clips. All Cables and Hoses are to be tight and flat inside the Lift Posts and routed to avoid moving components and pinch points.

Power Unit Wiring Block Diagram Single Phase

IMPORTANT! The **Power Disconnect** and **Thermal Disconnect** (if required) are not included with this Lift. These two items must be supplied and installed by a licensed Electrician in accordance with national (NEC), state, and local electrical codes.



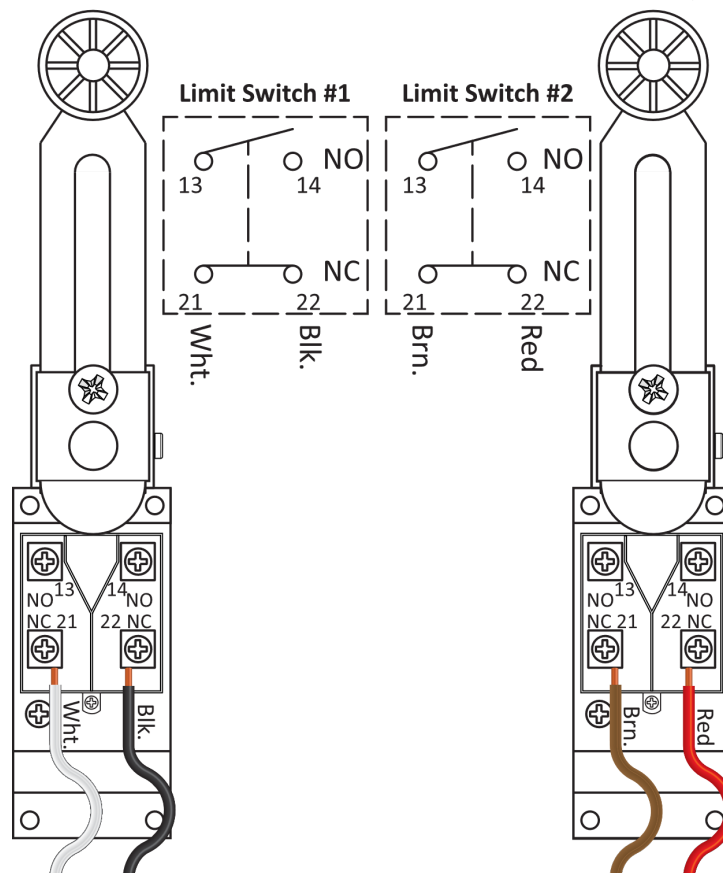
Installation of Three Phase Limit Switches

This section includes assembly and wiring information for the Three Phase Overhead Limit Switches. Requires the **AP Clear Floor 3ph Micro Switch Kit part number 5216263**.

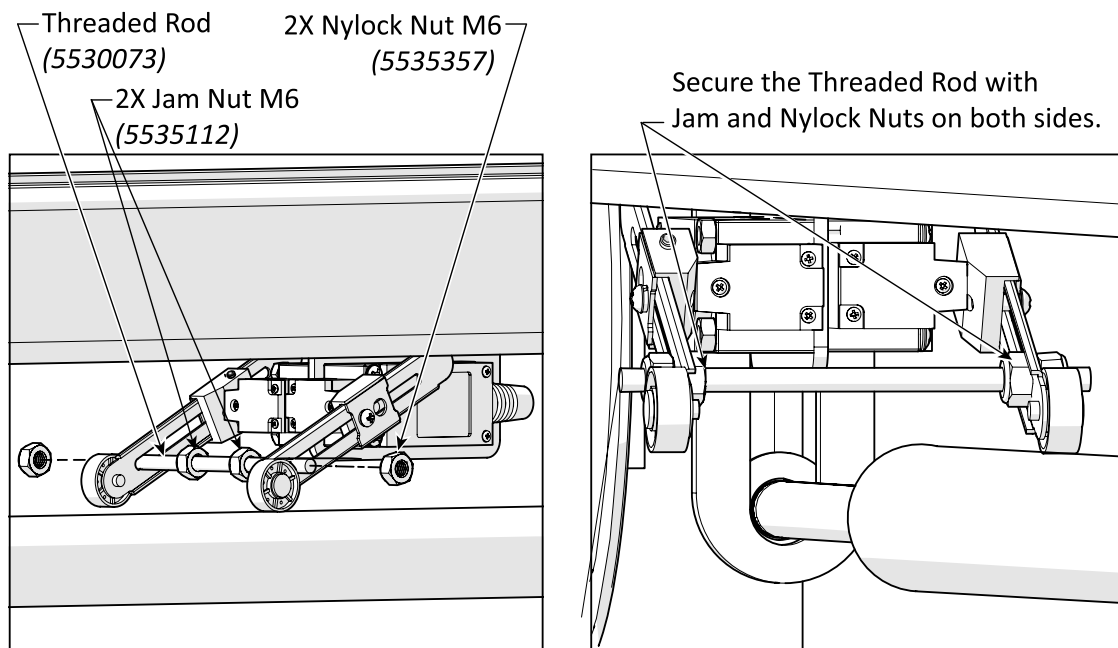
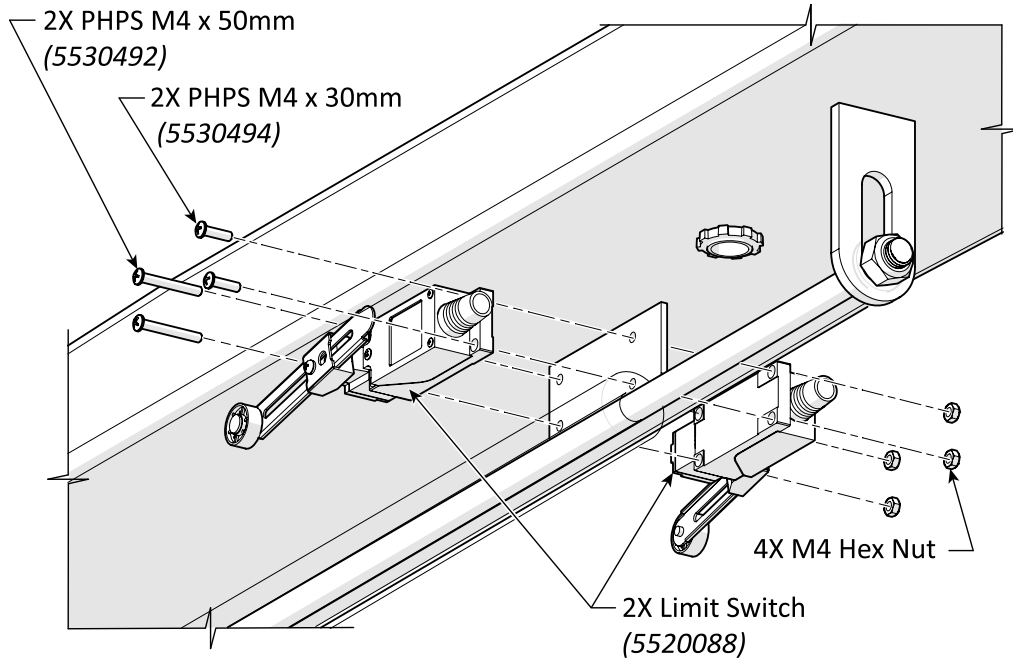
⚠ DANGER All wiring **must** be performed by a licensed electrician in accordance with all local and national electrical codes. Make sure that main electrical power has been disconnected from the Lift and cannot be re-energized until all procedures are complete.

To Wire the Limit Switches (Three Phase):

1. Remove and retain the three Cover Screws on both Limit Switches.
2. Remove and retain the Limit Switch Covers.
3. Strip Back the Jacket of the 14/4 Cable about 5 in. (127 mm) to expose the 4 conductors.
4. Push the black and white wires through the strain relief on one switch cover and the red and brown through the Strain Relief on the remaining cover.
5. Strip the insulation back on all four conductors about 1/2 in. (13 mm) and connect one wire to each side of the *Normally Closed Terminals* on each switch. Refer to the figure below. Inspect to verify no stray or broken wire strands are bridging across the terminals.
6. Replace the Switch Covers and secure with the three screws removed in step 1.

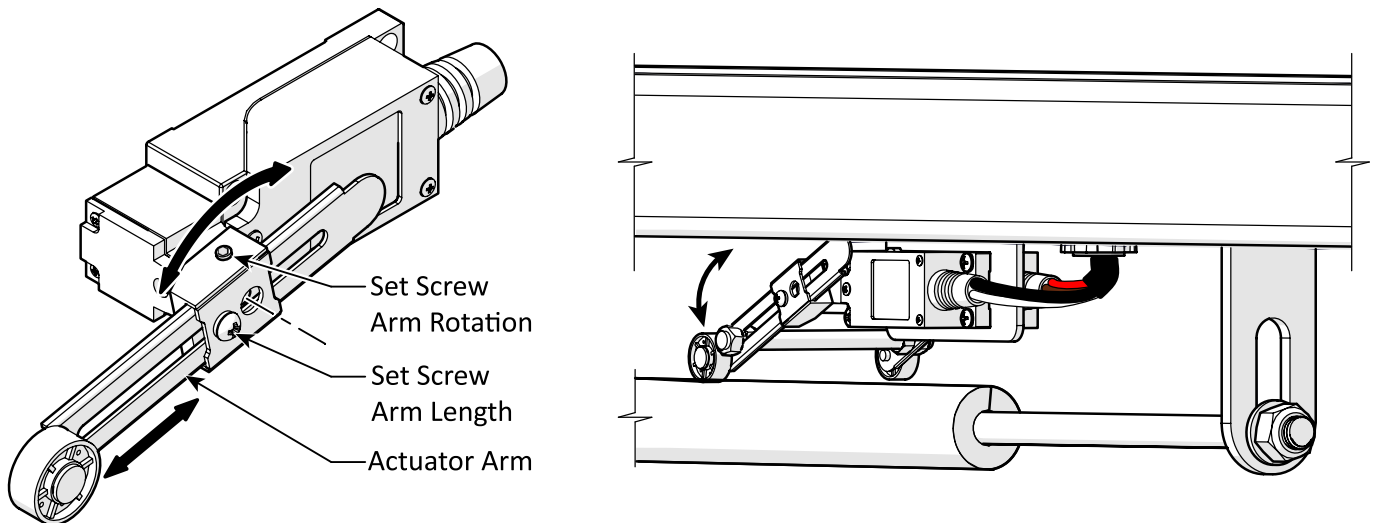


7. Secure the switches to the bracket on the Overhead assembly. Refer to the figures below. Wiring removed for clarity.
8. Attach the 3-Phase Limit Switches to the Lift's Overhead Assembly using the fasteners described below.



Components removed for clarity.

-
9. Assemble the Threaded Rod Spacer between the Actuator Arms and secure with the Jam Nuts as shown above.
 10. Loosen **BOTH** Arm Rotation Set Screws and allow the Actuator Arm to rest on the Limit Switch Stop Bar. Adjust the length of the Actuator Arm, if required.



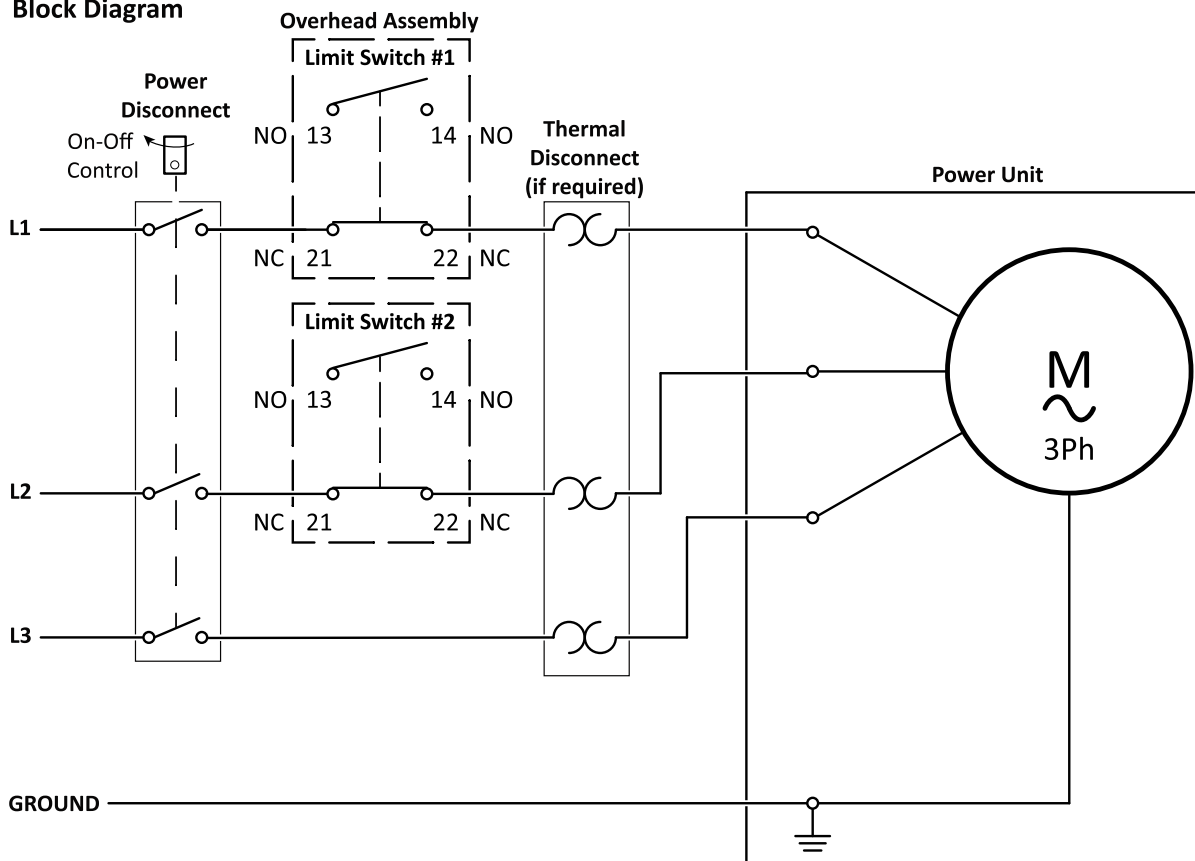
11. Tighten the Arm Rotation Set Screws on **BOTH** Limit Switches.
12. Push up on the Limit Switch Stop Bar. The Limit Switches should rise and fall with the Stop Bar.
13. Feed the 14-4 Cable up through the Cable Connector and secure using the connector's two screws.
14. Route the 14-4 Cable through the Cable Clips across the Overhead and down the Power Side Lift Post.
15. Bend the Cable Clips to secure the cable flat against the Overhead and the Lift Post.
16. Verify that the Cable is held firmly in the Cable Clips and has little to no slack inside the Lift Post. Excessive slack could interfere with moving components inside the Lift Post leading to Cable damage and malfunction.
17. Feed the 14-4 Cable out through the grommets below the Safety Lock Release.

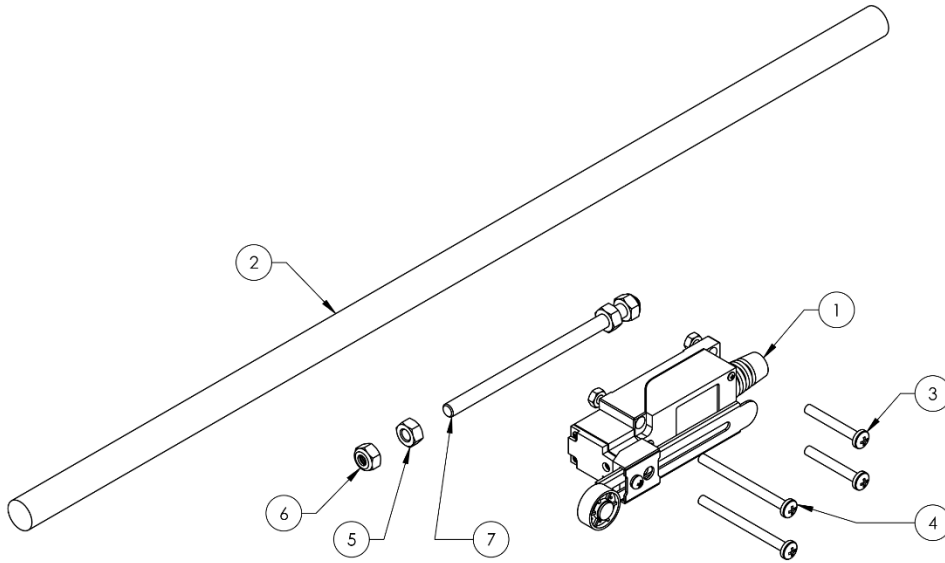
Three-Phase Power Unit Wiring

IMPORTANT! The Power Disconnect and Thermal Disconnect are not supplied with this Lift. These components must be supplied and installed by a licensed electrician in accordance with the National Electrical Code (NEC). The Thermal Disconnect, although not an NEC requirement, may be required by local electrical code.

⚠ DANGER All wiring **must** be performed by a licensed electrician in accordance with all local and national electrical codes. Make sure that main electrical power has been disconnected from the Lift and cannot be re-energized until all procedures are complete.

Three-Phase Block Diagram





NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

ITEM NO	PART NUMBER	DESCRIPTION	QTY
1	5520088	ROCKER LIMIT SWITCH, 25A	1
2	5520116	CABLE, AWG 14-4, SOOW	5000mm
3	5530494	PHPS M4 x 0.7 x 30 FT	2
4	5530492	PHPS M4 x 0.7 x 50 FT	2
5	5535112	NUT M6 x 1.0	2
6	5535357	NUT M6 x 1.0 NL, CL10.9	2
7	5530073	THREADED ROD M6 x 1.0 x 110 FT, CL 4.8	1

DO NOT SCALE DRAWING	NAME	DATE	 30440 AGOURA RD, AGOURA HILLS, CA 91301
DRAWN	TM	03/27/2024	
CHECKED			TITLE: AP CLEARFLOOR 3ph MICROSWITCH KIT SIZE: DWG. NO. REV A 5216263
DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION <small> PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED. </small>			
WHERE USED 3 PHASE LIFTS		SCALE: 1:2 SHEET 1 OF 1	

If you experience difficulties with your Two-Post Lift, technical support and service is available from the dealer, on the Web at bendpak.com/support, by email at support@bendpak.com, or by phone at **(800) 253-2363**. Follow the prompts to reach service. Online chat is also available at www.bendpak.com

BendPak[®]

30440 Agoura Road
Agoura Hills, CA 91301 USA
Telephone: (805) 933-9970
bendpak.com

©2025 by BendPak Inc. All rights reserved.