

Low-Rise Pit Lift

Installation and Operation Manual

Manual Revision B — November 2017 — Manual P/N 5900590

Models:

- P-9000
- P-9000F



Designed and engineered by BendPak Inc. in Southern California, USA. Made in China.



Read the entire contents of this manual before using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death. Make sure all other operators also read this manual. Keep the manual near the product for future reference. By proceeding with setup and operation, you agree that you fully understand the contents of this manual.

Manual. P-9000/F Low-Rise Pit Lift, *Installation and Operation Manual*, Manual Part Number 5900590, Manual Revision B, Released November 2017.

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Limitations. Every effort has been made to ensure complete and accurate instructions are included in this manual. However, product updates, revisions, and/or changes may have occurred since this manual was published. BendPak reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. BendPak is not responsible for typographical errors in this manual.

Warranty. The BendPak warranty is more than a commitment to you: it is also a commitment to the value of your new product. Contact your nearest BendPak dealer or visit www.bendpak.com/support/warranty for full warranty details. Go to bendpak.com/support/register-your-product/ and fill out the online form to register your product (be sure to click **Submit**).

Safety. Your new product was designed and manufactured with safety in mind. Your safety also depends on proper training and thoughtful operation. Do not set up, operate, perform maintenance, or repair the unit without reading and understanding this manual and the labels on the unit.

Owner Responsibility. In order to ensure operator safety and maintain your product properly, it is the responsibility of the product owner to read and follow these instructions:

- Follow all setup, operation, and maintenance instructions.
- Make sure product setup and use conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as specified.
- Service and maintain the unit only with approved replacement parts.
- Keep all instructions permanently with the product and make sure all labels are clean and visible.

Unit Information. Enter the Model Number, Serial Number, and the Date of Manufacture from the label on your unit. This information is required for part or warranty issues.

Model: _____

Serial: _____

Date of Manufacture: _____



BP BendPak		Santa Paula, CA USA www.bendpak.com	
MODEL NUMBER			
DESCRIPTION			
LIFT CAPACITY		DATE OF MFG.	
VOLTAGE		SERIAL NUMBER	
<input type="checkbox"/> 110-240V, 50-60 Hz, 1 Ph			
<input type="checkbox"/> 208-240V, 50-60 Hz, 1 Ph			
<input type="checkbox"/> 380-415V, 50-60 Hz, 3 Ph			
<input type="checkbox"/> 208-440V, 50-60 Hz, 3 Ph			
		UPC	
 DANGER! Disconnect Power Before Servicing			
WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905951			
			

Table of Contents

Introduction	3	Operation	25
Shipping Information	4	Lift Arm Kit	28
Safety Considerations	4	Maintenance	30
FAQs	5	Troubleshooting	30
Components	6	Wiring Diagrams	31
Specifications	7	Labels	33
Installation Checklist	9	Parts Diagrams	36
Installation	10	Maintenance Log	43


Introduction

This manual describes the P-9000 and P-9000F Low-Rise Pit Lifts, which are designed and engineered for fast-paced auto shop environments, oil-change facilities, and home garages. They can be installed at ground level or recessed (the **F** in P-9000**F** stands for “flush mount”), generally over a service pit. Flush mount models do not use ramps, but they do require a recessed surface.

Both models lift vehicles up to 9,000 lbs (4,082 kg).

More information about the full line of BendPak products is available at bendpak.com.

This manual is mandatory reading for all P-9000/F users, including anyone who sets up, operates, maintains, or repairs them.

 **DANGER** Be very careful when setting up, operating, maintaining, or repairing this equipment; failure to do so could result in property damage, product damage, injury, or (in very rare cases) death. Make sure only authorized personnel operate this equipment. All repairs must be performed by an authorized technician. Do not make modifications to the unit; this voids the warranty and increases the chances of injury or property damage. Make sure to read and follow the instructions on the labels on the unit.

Keep this manual on or near the equipment so that anyone who uses or services it can read it.

If you are having issues, refer to the **Troubleshooting** section of this manual for assistance.

Technical support and service is available from your dealer, on the Web at bendpak.com/support, by email at techsupport@bendpak.com, or by phone at **(800) 253-2363**, extension 196.

You may also contact BendPak for parts replacement information (please have the model and serial number of your unit available) at **(800) 253-2363**, extension 191.

Shipping Information

Your equipment was carefully checked before shipping. Nevertheless, you should thoroughly inspect the shipment **before** you sign to acknowledge that you received it.

When you sign the bill of lading, it tells the carrier that the items on the invoice were received in good condition. ***Do not sign the bill of lading until after you have inspected the shipment.*** If any of the items listed on the bill of lading are missing or damaged, do not accept the shipment until the carrier makes a notation on the bill of lading that lists the missing and/or damaged goods.

If you discover missing or damaged goods **after** you receive the shipment and have signed the bill of lading, notify the carrier at once and request the carrier to make an inspection. If the carrier will not make an inspection, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request.

It is difficult to collect for loss or damage after you have given the carrier a signed bill of lading. If this happens to you, file a claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs. Our willingness to assist in helping you process your claim does not make us responsible for collection of claims or replacement of lost or damaged materials.

Safety Considerations

Read this manual carefully before using your new product. Do not set up or operate the product until you are familiar with all operating instructions and warnings. Do not allow anyone else to operate the product until they are also familiar with all operating instructions and warnings.

General Safety Information

- The product is a low-rise pit lift. Use it only for its intended purpose. Do not make any modifications to the product.
- The product should only be operated by authorized personnel.
- Wear appropriate protective clothing when installing, servicing, or repairing your lift.
- Keep loads centered and balanced on the Platforms.
- When the product is in use, keep all body parts away from it.
- Make sure all operators read and understand the *Installation and Operation Manual*. Keep the manual near the device at all times.
- Make a visual inspection of the product before using it. Check for damage or missing parts. Do not use the product if you find any issues. Instead, take it out of service, then contact your dealer, email techsupport@bendpak.com, visit bendpak.com/support, or call **(800) 253-2363**.
- Make a thorough inspection of the product at least once a year. Replace any damaged or severely worn parts, decals, or warning labels.

Symbols

Following are the symbols used in this manual:

 **DANGER** Calls attention to an immediate hazard that **will** result in injury or death.

 **WARNING** Calls attention to a hazard or unsafe practice that **could** result in injury or death.



CAUTION

Calls attention to a hazard or unsafe practice that could result in minor personal injury, product, or property damage.



Tip

Calls attention to information that can help you use your product better.

Liability Information

BendPak Inc. assumes **no** liability for damages resulting from:

- Use of the product for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from BendPak Inc.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.

Frequently Asked Questions

Question: How much weight can the P-9000/F lift?

Answer: The P-9000/F can raise vehicles up to 9,000 pounds (4,082 kg).

Q: The P-9000F is “flush mount”, what does that mean?

A: It means the Base of the P-9000F is installed below the surface of the concrete so that no ramps are needed; the top of the Platforms are flush with the concrete, so vehicles just drive straight on.

Q: The P-9000 is called a “pit lift”, what does that mean?

A: In addition to working great to raise vehicles up to around two feet off the ground in any environment, the P-9000 is optimized to hold vehicles over a pit, which you would typically find at an oil-change facility or automotive shop. Adding a pit lift to an oil change facility lets you easily add wheel rotations and brake service to the services you already offer.

Q: Can the P-9000 be installed outside?

A: Yes. The P-9000 was not designed for outdoor use. However, outdoor installations can be accommodated in certain regions **if** optional moisture preventative devices are ordered and installed. Contact BendPak at bendpak.com/support or techsupport@bendpak.com for additional information.

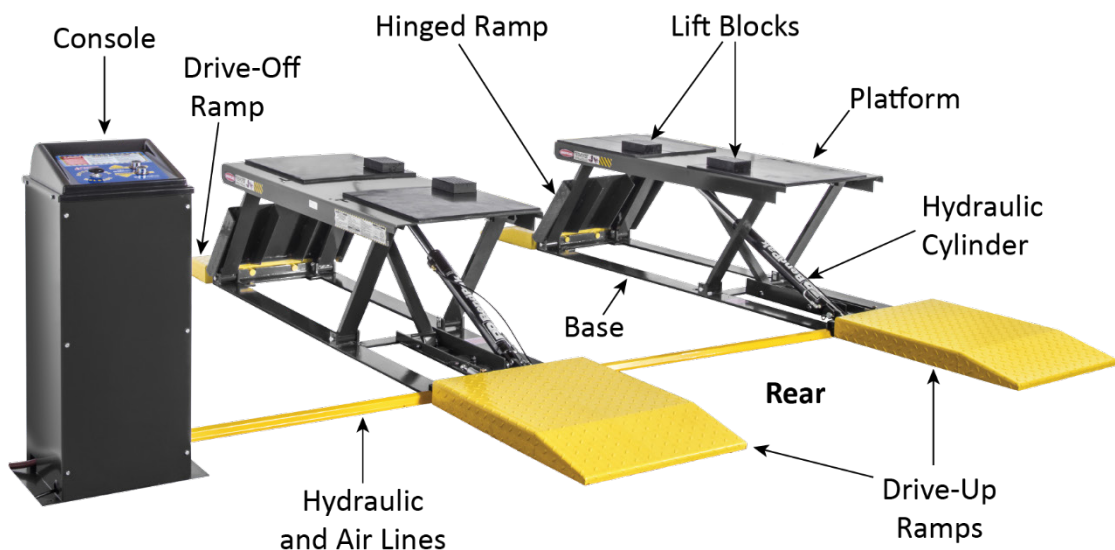
Q: Can I put the Console on either side of the P-9000?

A: Yes. Keep in mind that the Hydraulic Lines that come with the P-9000 are long enough to support the Console being up to 30 inches away on either side. If you want, you could go to your local hydraulics shop and get longer, custom Hydraulic Lines that give you greater latitude for where you want to put your Console. If you get custom Hydraulic Lines made, make sure they are the same length. One important factor to keep in mind is that the operator **must** be able to see both the P-9000 and the area around it, for safety purposes. Make sure to cover the Hydraulic Lines once they are installed.

Components

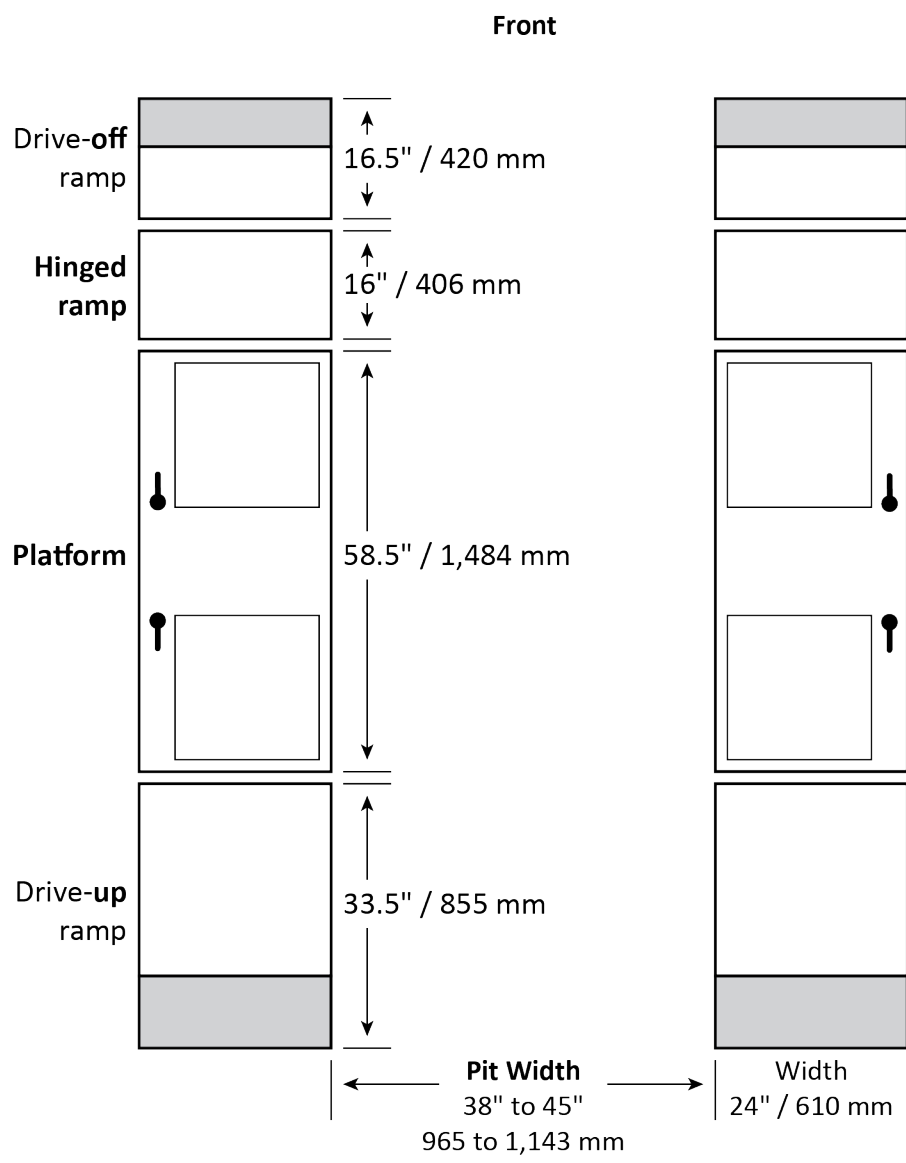
P-9000 components include:

- **Console.** Hosts the lift controls (on top) and the Power Unit (inside) for the P-9000. The connections for the Hydraulic Lines and the Air Lines connect to the Power Unit inside the Console.
- **Power Unit.** Provides hydraulic force to the Hydraulic Cylinders. Housed inside the Console. Connects to an external power source.
- **Drive-Up Ramp.** Used to drive onto the Platforms. Not included with the P-9000**F**.
- **Drive-Off Ramp.** Used to drive off the Platforms. Not included with the P-9000**F**.
- **Hinged ramp.** Part of the Drive-Off Ramp while the P-9000 is on the ground; hinges up when the Platforms are raised.
- **Platforms.** Flat steel plates that raise and lower. Has holes for the optional Lift Arms.
- **Base.** The bottom of the lift. It holds the Hydraulic Cylinders, Air Cylinders, and the Safety Locks.
- **Lift Blocks.** Rubber blocks that make contact with the lifting points on the underside of the vehicle being raised.
- **Lift Arms.** An optional accessory that provides additional lifting capability for trucks and SUVs.
- **Hydraulic Cylinders.** Push the Platforms up to raise a vehicle, move down to lower a vehicle.
- **Flow Divider.** Evenly splits the hydraulic force coming from the Power Unit so that both Platforms rise and lower together.
- **Safety Locks.** Hold the Platforms while they are raised. The P-9000 has four Safety Lock positions, which lets you select the right Platform height for your needs. **For safety purposes, only leave your P-9000 on the ground or on a Safety Lock.**
- **Air Cylinders.** Take the P-9000 off the Safety Locks when you want to lower the lift.

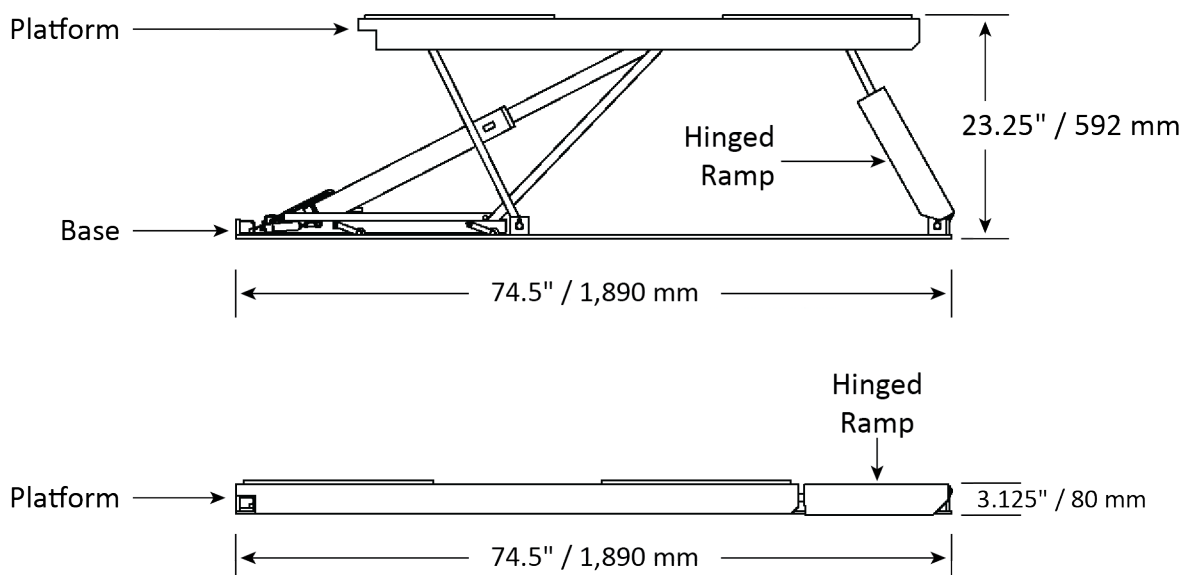


Notes: Hydraulic and Air Lines shown covered. Flow Divider is in Console. Lift Arms not shown. P-9000**F** does not have Drive-Up or Drive-Off Ramps, as it is flush mount.

Specifications



Note: The P-9000**F**, because it is flush mount, does not have Drive-Up or Drive-Off Ramps. It does have the Platform and the Hinged Ramp, which are identical to the Platform and Hinged Ramp of the P-9000.



Model	P-9000	P-9000F
Style	Surface mount	Flush mount
Lifting capacity	9,000 lbs. / 4,082 kg	9,000 lbs. / 4,082 kg
Lifting height (no lift blocks)	23.25" / 592 mm	23.25" / 592 mm
Lifting height (with lift blocks)	25.4" / 647 mm	25.4" / 647 mm
Overall Platform length	58.5" / 1,484 mm	58.5" / 1,484 mm
Platform width	24" / 610 mm	24" / 610 mm
Overall length	124.5" / 3,165 mm (with ramps)	74.5" / 1,890 mm (no ramps)
Lowered height	3.125" / 80 mm	3.125" / 80 mm
Lifting time	35 seconds	35 seconds
Motor	115/230 VAC, 50/60 Hz, 1 Ph	115/230 VAC, 50/60 Hz, 1 Ph


Installation Checklist

Following are the steps needed to install a P-9000 lift. Perform them in the order shown.

- ☐ 1. Review the installation Safety Rules.
- ☐ 2. Plan for Electrical Work.
- ☐ 3. Make sure you have the necessary Tools.
- ☐ 4. Select the installation site.
- ☐ 5. Create a floor plan.
- ☐ 6. Lift the Platforms off the Bases.
- ☐ 7. Anchor the Bases.
- ☐ 8. Set up the Console and attach the Power Unit.
- ☐ 9. Connect the Hydraulic Lines.
- ☐ 10. Connect the Air Lines.
- ☐ 11. Connect the Power Unit.
- ☐ 12. Install a Power Disconnect Switch.
- ☐ 13. Install a Thermal Disconnect Switch.
- ☐ 14. Test the lift.
- ☐ 15. Add the Ramps.
- ☐ 16. Review the Final Checklist.
- ☐ 17. Leave the manual for the owner/operator.

Installation

This section describes how to install your P-9000. Perform the steps in the order listed.


 **WARNING** *Only use the factory-supplied parts that came with your lift.* If you use parts from a different source, you void your warranty and compromise the safety of everyone who installs or uses the lift. If you are missing parts, visit bendpak.com/support or call **(800) 253-2363**, extension 191.

Your P-9000 lift is supplied with installation instructions and concrete fasteners that meet the criteria set by the American National Standard “Automotive Lifts – Safety Requirements for Construction, Testing, and Validation” ANSI/ALI ALCTV-2011.


Lift buyers are responsible for regional, structural, or seismic anchoring requirements specified by any other agencies or codes, such as the Uniform Building Code or International Building Code.

Safety Rules

When installing your lift, your safety depends on proper training and thoughtful operation.

 **WARNING** Do not install this equipment unless you have automotive lift installation training. Always use proper lifting tools, such as a forklift or crane, to lift heavy components. Do not install this equipment without reading and understanding this manual and the safety labels on the unit.

Only fully trained personnel should be involved in installing this equipment. ***Pay attention at all times.*** Use appropriate tools and lifting equipment, when needed. Stay clear of moving parts.

 **WARNING** You must wear appropriate protective equipment: leather gloves, steel-toed work boots, eye protection, back belts, and hearing protection.

Electrical Work

You will need to have a licensed, certified electrician available at some point during the installation.

 **DANGER** All wiring ***must*** be performed by a licensed, certified electrician.

The electrician needs to:

- **Connect the 220 VAC power source to the Power Unit.** This is generally done near the end of the installation process; do not connect the Power Unit at the same time as you install it.
- **Install a Power Disconnect Switch.** A Power Disconnect Switch ensures that the equipment shuts down in the event of an electrical circuit fault or emergency situation. Refer to **Install a Power Disconnect Switch** for more information.
- **Install a Thermal Disconnect Switch.** A Thermal Disconnect Switch ensures that the equipment shuts down in the event of an overload or an overheated motor. Refer to **Install a Thermal Disconnect Switch** for more information.

Tools

You may need some or all of the following tools:


- Rotary hammer drill or similar

- 3/4", 3/8", 1 1/4" masonry bits
- Hammer
- Open-end wrench set: 1/2", 15/16" – 1 1/8"
- Socket and ratchet set, 1 1/8"
- Medium crescent wrench
- Chalk line
- Medium flat screwdriver
- Tape measure
- Forklift

Select a Site

Keep the following in mind when selecting a site for your P-9000:

- **Enough space.** Make sure there is adequate space for the P-9000, plus enough height for the vehicles you will be lifting.
- **Platform movement.** The P-9000 Platform shifts forward about 12 inches when you raise it.
- **Check for overhead obstructions.** Make sure the site is free of low-hanging, overhead obstructions.
- **Concrete specifications.** Do not install the lift on cracked or defective concrete. Make sure the concrete is at least 4.25 inches thick, 3,000 psi, and cured for at least 28 days (if newly poured). Make sure the floor is defect-free, dry, and level.

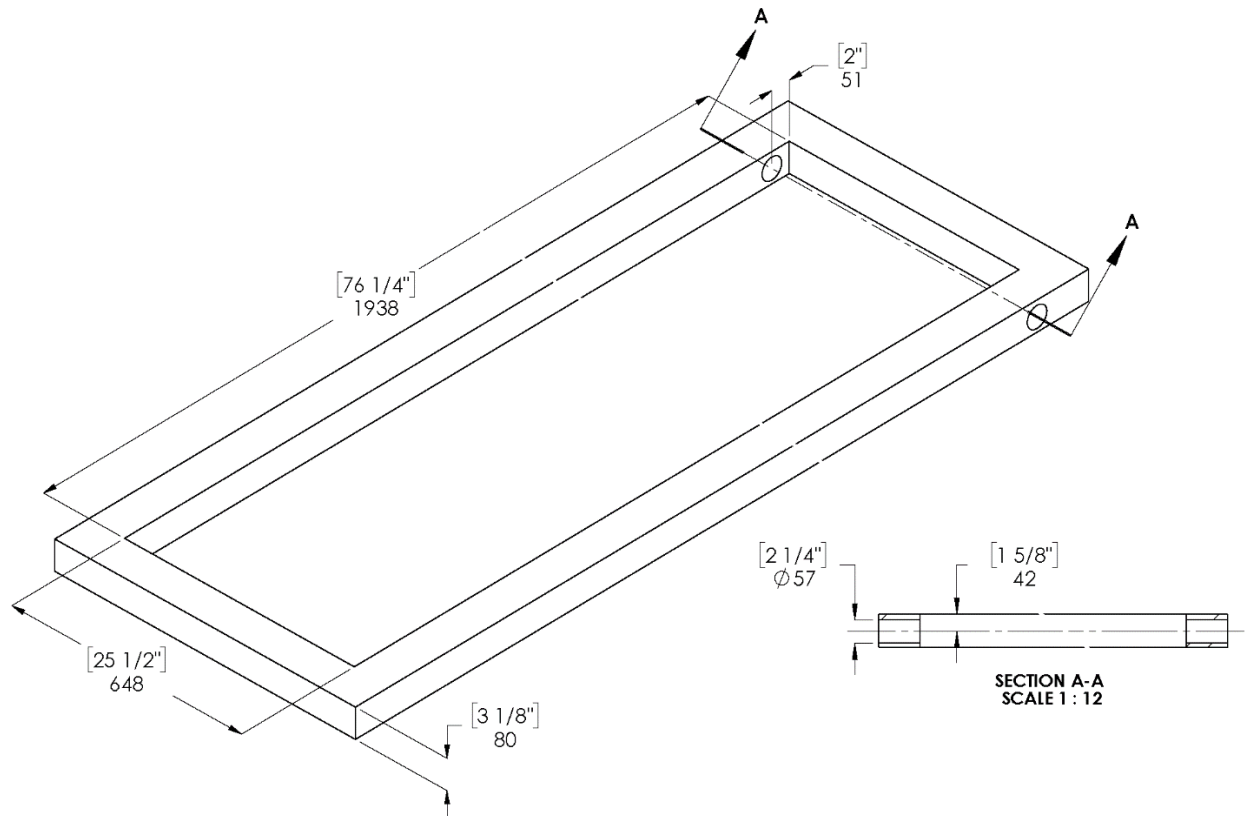
 **WARNING** Do not install your P-9000 on a surface with 3° of slope or more. A 3° degree slope or greater could lead to property damage, personal injury, or death.

- **Power.** You will need a 115 or 230 VAC power source available near the Console. Use a 25 amp or greater fuse for a 230 VAC, 1 phase circuit; use a 15 amp or greater fuse for a 115 VAC, 1 phase circuit.
- **Operating temperature.** The P-9000 is designed to be used between temperatures of 41° to 104°F (5° to 40°C).
- **Outdoor installation.** The P-9000 is not designed for outdoor use. It has an operating ambient temperature range of 41° to 104°F (5° to 40°C). If operation below this temperature is required, visit bendpak.com/support or email techsupport@bendpak.com for additional information. Do not operate your lift in rain or extremely damp locations. It is water resistant, not waterproof, and water damage is not covered under the warranty. Outdoor installations can be accommodated in certain regions **if** optional moisture preventative devices are ordered and installed. Coastal locations often require additional maintenance due to highly corrosive airborne ocean salt. Although parts of your lift are made of galvanized metal and protected by commercial-grade powder coat, take additional precautions by periodically damp washing all exposed surfaces approximately every three months. Do not allow debris to accumulate on the lift. If you use your P-9000 outdoors, clean it daily and lubricate it weekly.
- **Second floor installs.** Do not install the P-9000 on a second floor or elevated floor without first consulting the building architect and getting their permission.
- **Dress properly.** Always wear protective gear (like safety goggles, helmet, heavy gloves, suitable working clothes, safety boots, ear protection, and so on) when installing the P-9000. Do not wear loose clothing or jewelry; contain long hair; keep hair, clothing, and gloves away from moving parts.

 **WARNING** Always wear appropriate protective gear when working on the P-9000.

P-9000F Only: Prepare the Recessed Surface

If you need to prepare a recessed surface for the P-9000F, use the following diagram as a guide.



Create the recessed surface using this information and the requirements of the specific installation.

Create a Floor Plan

Make sure to plan out, in advance, where the P-9000 is going to go:

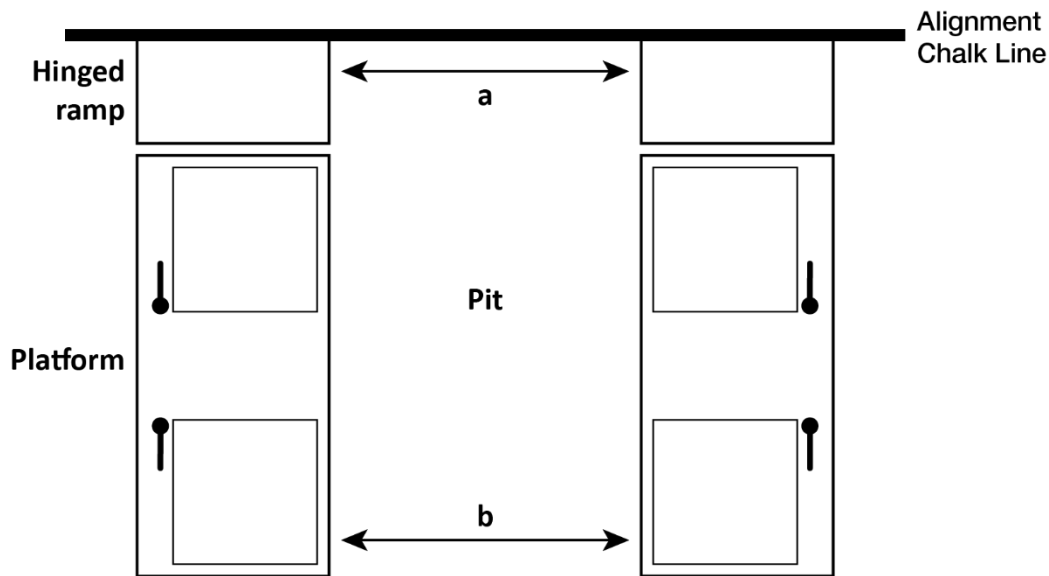
- **Clearance.** If you are install the P-9000 over a pit, you are restricted as to where you can put it. Be sure to check beforehand, however, to make sure there is clearance on all sides.
- **Console.** The Console must be positioned near the P-9000; the Hydraulic Lines that come with the P-9000 are optimized for up to 30 inches between the P-9000 and the Console.
- **Operator.** The operator at the Console **must** have a full, unobstructed view of the P-9000.
- **Power.** The Console must also be positioned near an appropriate power source.
- **Set up Chalk Line Guides.** Create Chalk Line Guides for the P-9000.

Using Chalk Line Guides helps to make sure the P-9000 Platforms are set up correctly.

To add Chalk Line Guides:

1. Decide where you want to locate the P-9000.
2. Create an Alignment Chalk Line where you want the front of the P-9000.

The following drawing shows an Alignment Chalk Line at the front of the P-9000.



Make the Alignment Chalk Line longer than the width of the P-9000 Platforms and the Pit.

3. Move the two P-9000 Platforms into position: the Hinged Ramp ends just inside the Alignment Chalk Line and the inside edges of the Platform aligned with the Pit.

The two Platforms are not interchangeable; the Hydraulic Cylinders on the P-9000 Bases need to be on the inside, next to the Pit.



Tip

This procedure assumes you are installing the P-9000 over a pit. If not, create two additional Chalk Line Guides: they need to be perpendicular to the Alignment Chalk Line, parallel to each other, and the distance apart you want the two Platforms (within the range of 38" to 45" / 965 mm to 1,143 mm).

4. Measure the distance between the two P-9000 Platforms at points **a** and **b**; the two Platforms need to be the same distance apart at both ends.

Important: If **a** and **b** are not the same, adjust the Platform locations; **a** and **b** must be the same distance apart and parallel to the Pit.

5. When the Platforms are in the correct location, they can be anchored into place.

Lift the Platforms Off the Bases

It is not possible to anchor the P-9000 into position or connect the Hydraulic or the Air Lines without raising the Platforms off their Bases. ***Leave the P-9000 on a Safety Lock when you raise it.***

There are two common methods for lifting the P-9000 Platforms off the Bases. Choose the method that works the best for you:

- **Human powered:** Once the P-9000 Platforms are in position, put one person on each end and lift it up off of its Base. Be sure to have two people hold down the Base while you raise the Platform. When the Platform gets above the top Safety Lock, lower it back down onto the top Safety Lock. Do not lift the Platform a random distance; you must leave it on a Safety Lock.

Important: BendPak recommends raising the P-9000 Platforms to the ***top*** Safety Lock, as this gives you more room under the Platform to install the Anchor Bolts and connect the Hydraulic and Air Lines.

- **Machine powered:** Once the P-9000 Platforms are in position, use a forklift to raise each Platform off of its Base. Make sure to have two people hold down the Base while you raise the Platform. Once the Platform gets above the top Safety Lock, lower it back down onto the top Safety Lock. Do not lift the Platform a random distance; you must leave it on a Safety Lock.

Anchor the Bases

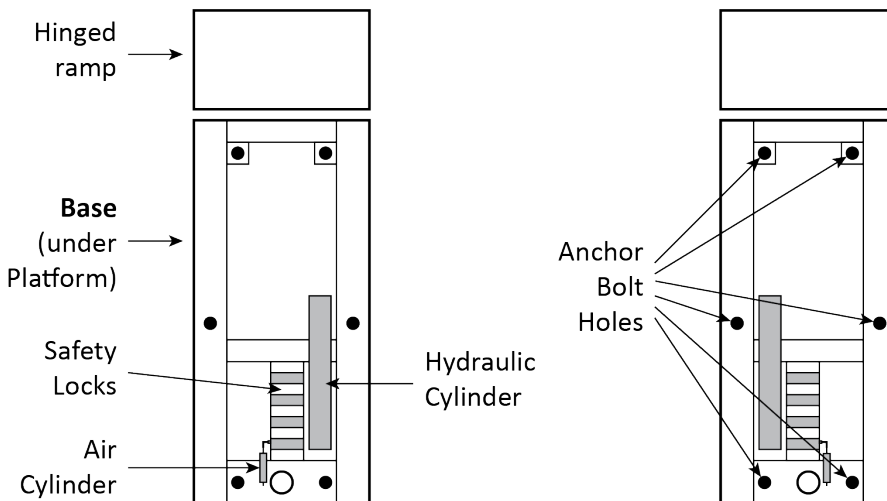
Both P-9000 Bases have six holes in them for anchoring the Base.

Anchor Bolt specifications are:

- **Length:** 6.25 inches
- **Diameter:** $\frac{3}{4}$ inch
- **Effective embedment depth:** 3.25 inches, minimum
- **Anchor torque:** 110 – 150 foot pounds

⚠ WARNING ***Only use the factory-supplied parts that came with your lift.*** If you use parts from a different source, you void your warranty and compromise the safety of everyone who installs or uses the lift.

The following drawing shows the locations of the six Anchor Bolt holes in each P-9000 Base.



Platforms not shown for clarity.

To anchor your P-9000 Bases:

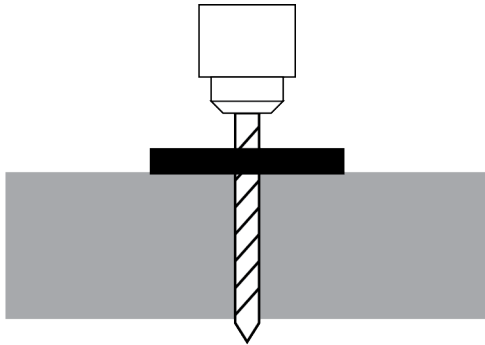
1. Make sure the P-9000 Bases are in the correct location.

Once the Anchor Bolts are torqued into position, they are not easily removed. BendPak strongly recommends making sure the Bases are in the correct location **before** anchoring your P-9000 Bases into place.

2. Using the holes in the P-9000 Bases as guides, drill the holes for the Anchor Bolts.

Note: If you prefer, you can mark the Anchor Bolt hole locations, then move the P-9000 Platforms out of the way, drill the holes, and then move the P-9000 Platforms back into position.

Go in straight; do not let the drill wobble.

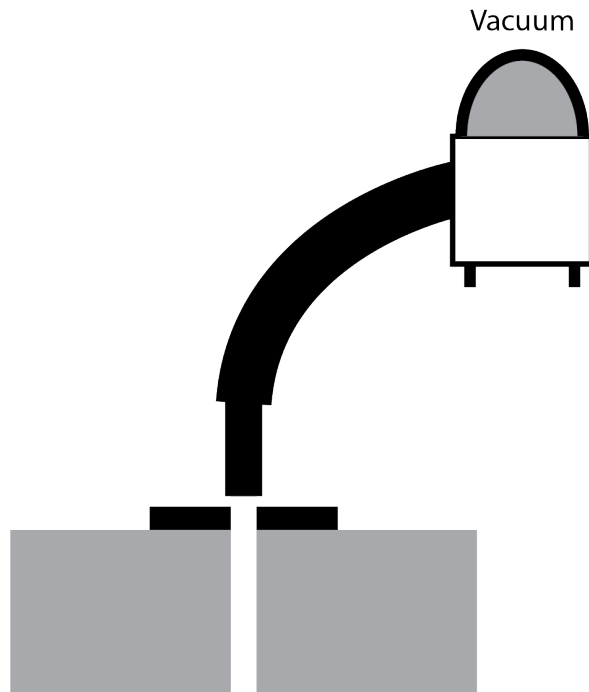


Use a carbide bit (conforming to ANSI B212.15-1994).

The diameter of the drill bit **must** be the same as the diameter of the Anchor Bolt. So if you are using a $\frac{3}{4}$ inch diameter Anchor Bolt, for example, use a $\frac{3}{4}$ inch diameter drill bit.

3. Use a vacuum to thoroughly clean each hole.

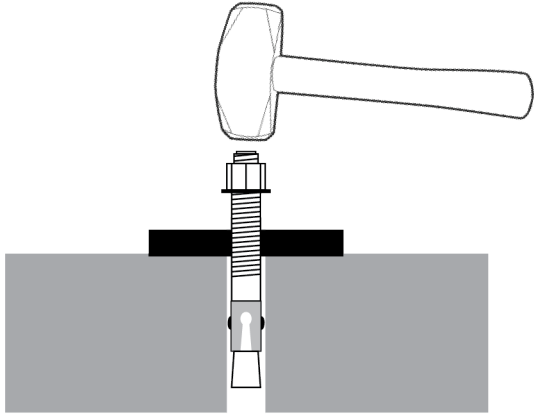
If a vacuum is not available, use a wire brush, hand pump, or compressed air.



Do **not** ream the hole. Do **not** make the hole any wider than the drill bit made it.

-
4. Make sure the Washer and Nut are in place (you want approximately 1/4 inch to 1/3 inch — 6 to 8 mm — of thread visible above the nut), then insert the Anchor Bolt into the hole.

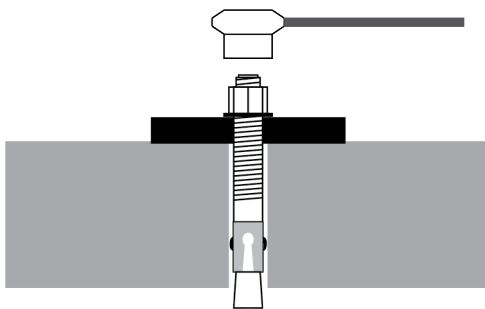
The Expansion Sleeve of the Anchor Bolt may prevent the Anchor Bolt from passing through the hole in the P-9000 Base; this is normal. Use a hammer or mallet to get the Expansion Sleeve through the P-9000 Base and down into the hole.



Even using a hammer or mallet, the Anchor Bolt should only go into the hole part of the way; this is normal. If the Anchor Bolt goes all the way in with little or no resistance, the hole is too wide.

Once past the hole in the P-9000 Base, the Anchor Bolt eventually stops going down into the hole as the Expansion Sleeve contacts the sides of the hole; this is normal.

5. Hammer or mallet the Anchor Bolt the rest of the way down into the hole.
Stop hammering when the Washer is snug against the P-9000 Base.
6. Wrench each Nut **clockwise** to the recommended installation torque, 110 – 150 foot pounds, using a Torque Wrench.



Important: Do **not** use an impact wrench to torque the Anchor Bolts.

Wrenching the Nut forces the wedge up, pushing out the Expansion Sleeve and pressing it tightly against the Concrete.

Set Up the Console and Attach the Power Unit

The Console can go on either side of the rear of the P-9000.

The included Hydraulic Lines require the Console to be within 30 inches of the rear of the P-9000.



Tip

If you want to set up the Console further than 30 inches from the P-9000, you need to get Hydraulic Lines that are long enough to reach the P-9000 from where you want to put the Console. These should be relatively easy to obtain from the local hydraulics shop, once you know how long you need the lines. You will also need a longer Air Line.

The following procedure includes instructions for anchoring the Console into place. You can defer anchoring the Console into place for later; simply return to this section when you want to anchor the Console into place.

Anchoring the Console into place is a pretty permanent decision; if you are not completely satisfied with your location choice for the Console, you can set it up without anchoring it, thus giving you the option of easily moving it to a new location in the future.

Note: The Console comes assembled, but *without* the Power Unit attached.

To set up the Console and attach the Power Unit:

1. Select a site for the Console that permits operators to have a full, unobstructed view of the lift.
If you are going to use the included Hydraulic Lines, the Console needs to be close to the rear of the P-9000. It can go on either side.
2. Remove the Console from the packing material; move it to the desired location.
3. Remove the top and the front of the Console, as you will need access to the inside.
4. If you are ready to anchor the Console in place, find the two holes in the bottom of the Console base (on the outside).
5. Drill two holes 3/8" wide by 2.25" deep into the concrete floor .
Go in straight; do not let the drill wobble. Use a carbide bit (conforming to ANSI B212.15-1994).
6. Use a vacuum to thoroughly remove all dust from the holes.
If a vacuum isn't available, use a wire brush, hand pump, or compressed air. Do **not** ream the holes. Do **not** make the holes any wider than the drill bit made it.
7. Insert an Anchor Bolt with Washer into each hole, then tap it down into the hole.
8. Torque the Anchor Bolt **clockwise** to the recommended installation torque, 110 – 150 foot pounds, using a Torque Wrench.
9. Remove the Power Unit from its packing material.
10. Using the four supplied Nuts and Bolts, attach the plate on the back of the Power Unit to the plate on the inside back of the Console.
11. Put the top and the front of the Console into place.

Important: Do not connect anything to the Power Unit at this point.

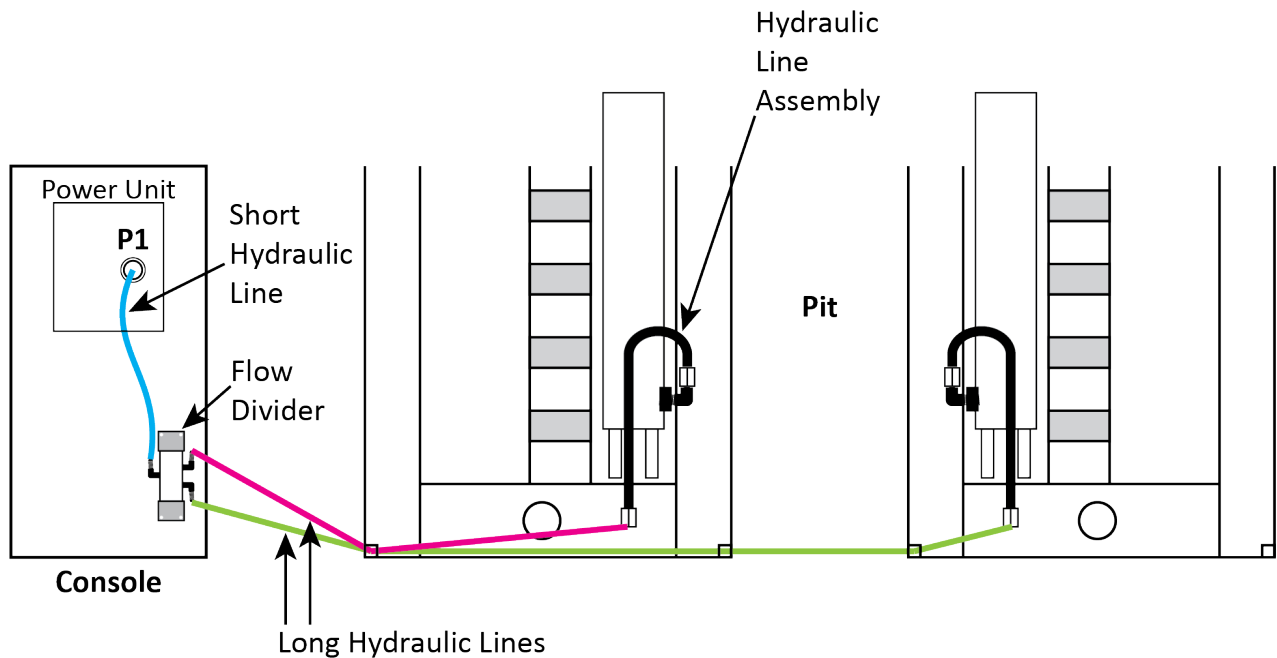
Connect the Hydraulic Lines

Hydraulic Lines provide hydraulic power to the Hydraulic Cylinders, which is used to raise the lift.

The P-9000 comes with three Hydraulic Lines, two long and one short:

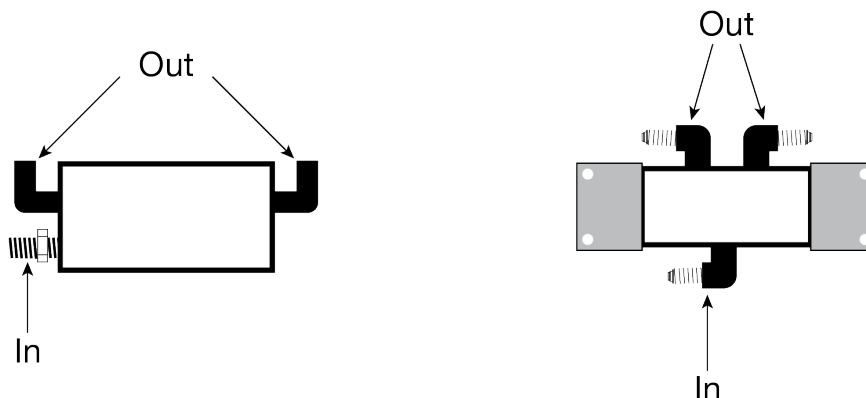
- **Short Hydraulic Line** (30 inches, 762 mm): goes from the Power Unit (inside the Console) to the In connector on the Flow Divider at the bottom of the Console.
- **Long Hydraulic Lines** (168 inches, 14 feet, 4270 mm): go from an Out connector on the Flow Divider to one of the Hydraulic Cylinders. Both long Hydraulic Lines are the same length.

The following drawing shows the general arrangement of how Hydraulic Lines are routed to the Hydraulic Cylinders. The Console is on the left in this drawing. Your Flow Divider may look differently, but it will have one input connector and two output connectors.



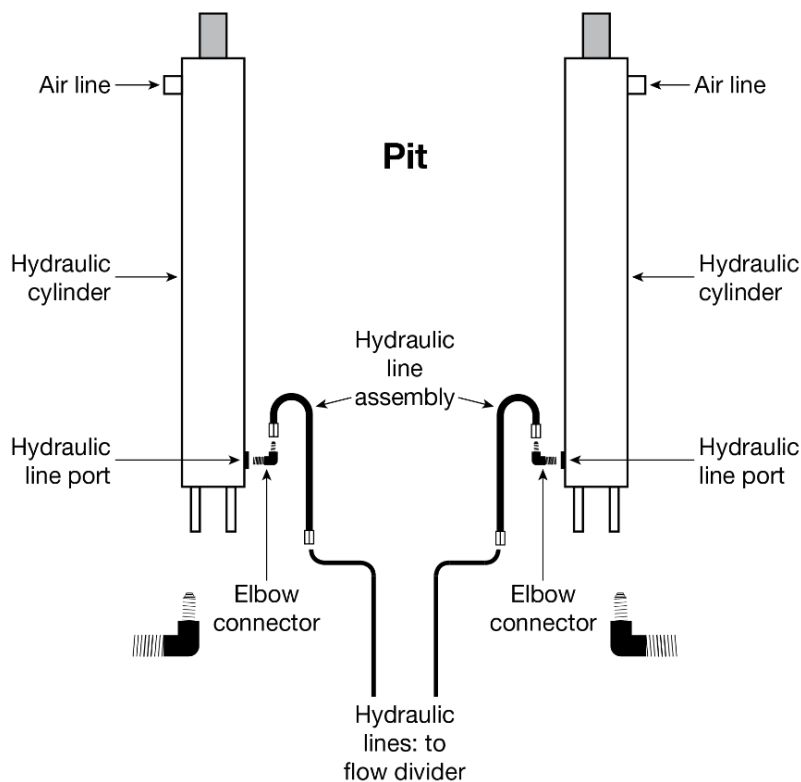
To connect the Hydraulic Lines:

1. If the P-9000 Platforms are not already on their top Safety Locks, raise them now.
Refer to [Lift the Platforms Off the Bases](#) for additional information.
2. Find a good location for the Flow Divider on the bottom of the Console near one of the openings.
The following drawing shows two Flow Dividers. Your unit could come with either model.



3. Install the appropriate connectors on your Flow Divider.
4. Locate an elbow connector for connection to the P1 (or P2) connector on the Power Unit and the short Hydraulic Line.
5. Attach the elbow connector to connector P1 (or P2) on the Power Unit, then connect one end of the short Hydraulic Line to the elbow connector and the other end to the input connector on the Flow Divider. Finger tighten the connections.
6. Locate the two long Hydraulic Lines.
7. Connect both long Hydraulic Lines to the two output connectors on the Flow Divider (the two output connectors are equivalent and the two long Hydraulic Lines are of equal length, so it does not matter what line attaches to what connector). Finger tighten the connections.
8. Route both long Hydraulic Lines through an opening in the bottom of the Console towards the P-9000 Bases.
9. Locate two more elbow connectors and two Hydraulic Line Assemblies.

This diagram shows how the components go together; once connected, they look differently.



10. Connect the elbow connectors to the Hydraulic Line Ports on the Hydraulic Cylinders. Finger tighten the connections.
11. Connect the short ends of the Hydraulic Line Assemblies to the elbow connectors. Finger tighten the connections.
12. Route the long Hydraulic Lines from the Console, through the squares in the corners of the Bases and to the bottoms of the long ends of the Hydraulic Line Assemblies.
13. Connect the long ends of the Hydraulic Line Assemblies to the long Hydraulic Lines. Finger tighten the connections.
14. Use appropriate tools to fully tighten all of the finger-tightened connections.

Connect the Air Lines

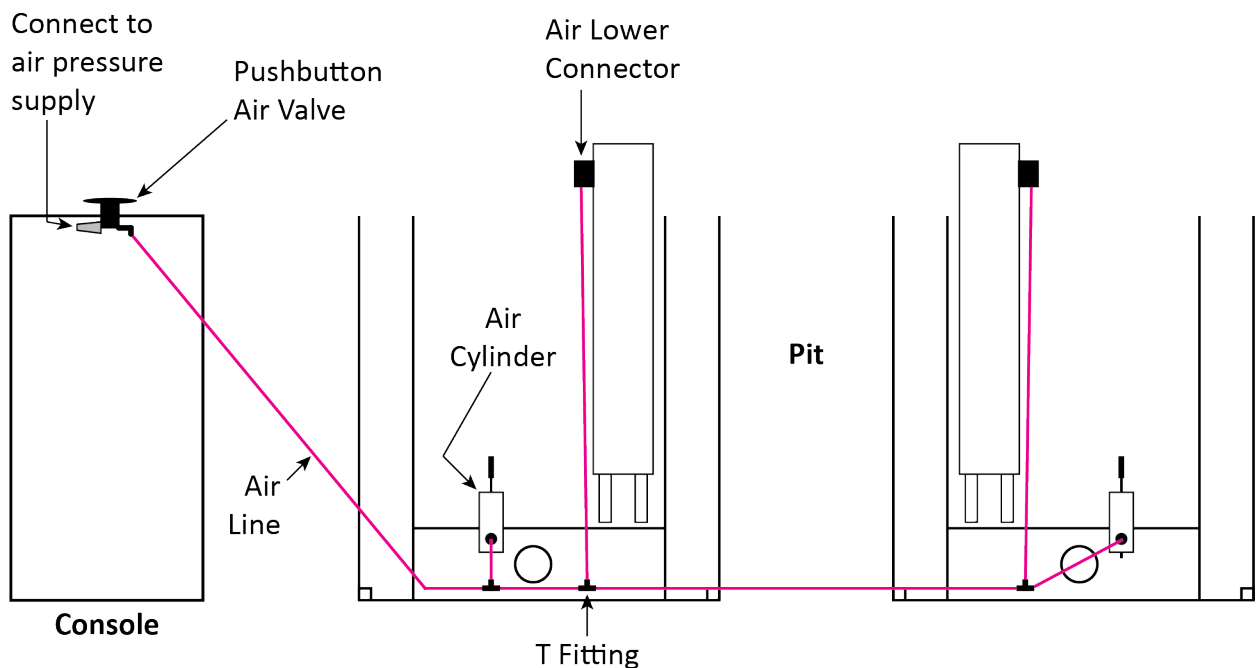
The P-9000 uses air pressure in two ways:

- It helps lower the P-9000; the Air Line connects to the Air Lower connector at the top of the Hydraulic Cylinder.
- It helps push the P-9000 off the current Safety Locks so that you can lower the lift; the Air Line connects to the Air Cylinders on the Base.

It is the responsibility of the lift owner to provide an air pressure supply (minimum 30 psi / 3 CFM, regulated to a maximum of 125 psi).

The air pressure supply is distributed to the Air Cylinders and the Air Lower connectors using .25 inch black plastic tubing (also called Poly-Flo® tubing), which is supplied with the P-9000. You need to cut the tubing into appropriate lengths based on the distance between the components you are connecting.

The following drawing shows how you can route the Air Lines from the P-9000 Console to the components that require air pressure.



To connect the Air Lines:

1. Locate two straight tubing fittings and connect them to the Air Lower Connectors on the Hydraulic Cylinders.
2. Locate two elbow tubing fittings and connect them to the connectors on the top of the Air Cylinders.
3. Locate the black plastic tubing and the three T fittings.
4. Cut the tubing into appropriate lengths for your installation.



Tip

BendPak recommends planning out the path of the Air Line before you start cutting the tubing.

5. Connect the tubing lengths and T fittings to the tubing fittings on the Air Cylinders and Hydraulic Cylinders.
6. Attach the air pressure supply to the Inlet connector on the underside of the Pushbutton Air Valve.

Connect the Power Unit

The Power Unit comes fully assembled from the factory. You need to attach it to the back of the Console (described in [Set Up the Console and Attach the Power Unit](#)) and then connect it properly, described in this section.

The Power Unit for the P-9000 is 115/230 VAC, 50/60 Hz, 1 phase.

⚠ DANGER All wiring **must** be performed by a licensed, certified electrician.

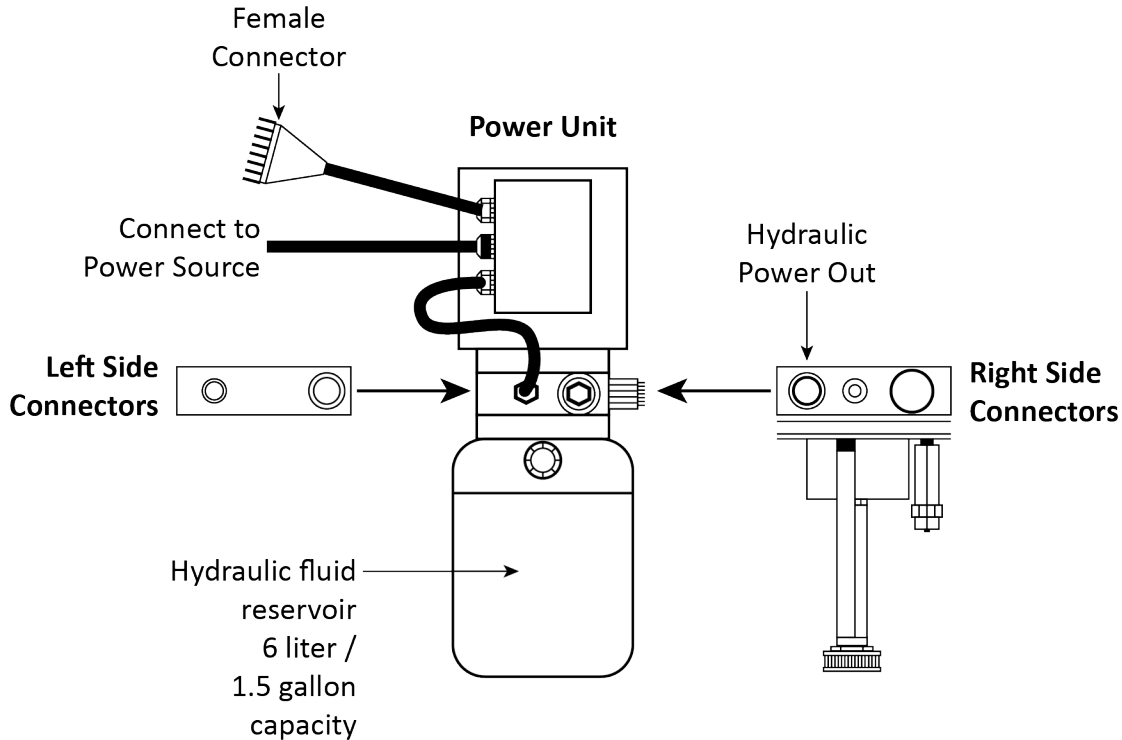
Refer to [Wiring Diagrams](#) for wiring information.

⚠ CAUTION The Power Unit's motor is **not** thermally protected.

The Power Unit has multiple connections:

- **Hydraulic Line.** Connects to Hydraulic Power Out connector on the Power Unit.
- **Power Source.** The Power Unit connects to an incoming 230 VAC power source. A licensed, certified electrician is required to make this connection.
- **Controls.** The Power Unit connects to the controls on the top of the Console via a female (Molex™) connector.


The following drawing shows the Power Unit of the P-9000.



To make connections to the Power Unit:

1. Remove the front cover of the Console if it is currently in place.
2. Locate the female (Molex™) connector on the Power Unit and attach it to the male connector that comes from the controls on the Console. The connection is made inside the Console.
Make sure to orient the two connectors correctly.
3. Attach a 90° connector to the Hydraulic Power Out connector on the Power Unit.
4. Connect the short Hydraulic Line to the 90° connector, then route the short Hydraulic Line down to the Flower Divider and connect it to the In connector.
5. Have an electrician connect a 115 VAC or 230 VAC power source to the Power Unit.

Refer to **Wiring Diagrams** for proper wiring information. Note that the cord from the power source to the Power Unit is **not** supplied.

 **DANGER** All wiring **must** be performed by a licensed, certified electrician. Do not perform **any** maintenance or installation on the lift without first making sure that main electrical power has been disconnected from the lift and **cannot** be re-energized until all procedures are complete.

Important electrical information:

- Improper electrical installation can damage the Power Unit motor; this damage is not covered under warranty.
 - Use a separate circuit breaker for each Power Unit.
 - Protect each circuit with a time-delay fuse or circuit breaker. For a 115 VAC, 1 phase circuit, use a 15 amp or greater fuse. For a 230 VAC, 1 phase circuit, use a 25 amp or greater fuse.
6. Fill the Hydraulic Fluid reservoir.

The Power Unit's Hydraulic Fluid reservoir must be filled with Hydraulic Fluid or automatic transmission fluid **before** you begin operation. When you receive it, the reservoir is empty; the Power Unit will not work correctly until it is filled with approved fluids.

Approved Hydraulic Fluids are any general purpose ISO-32, ISO-46, or ISO-68 hydraulic oil or approved automatic transmission fluids such as Dexron III, Dexron VI, Mercon V, Mercon LV, Shell Tellus S4 / S3 / S2, or any synthetic multi-vehicle automatic transmission fluid.

 **WARNING** Do not run your Power Unit without Hydraulic Fluid; you will damage it.

Install a Power Disconnect Switch

 **WARNING** A Power Disconnect Switch is **not** provided with this equipment.

A Power Disconnect Switch is a National Electrical Code (NEC) requirement. They are designed to interrupt main electrical power in the event of an electrical circuit fault, emergency situation, or when equipment is undergoing service or maintenance.

Make sure to install a Power Disconnect Switch that is properly rated for the incoming power source.

Your Power Disconnect Switch must be readily accessible and installed so that it is in easy reach of the operator or in their line of sight. The Power Disconnect Switch must be clearly marked to indicate its purpose.

If you are not clear where to put the Power Disconnect Switch, consult with your electrician.

 **DANGER** Installing a Thermal Disconnect Switch **must** be performed by a licensed, certified electrician.

Have the electrician select a **UL-listed** Power Disconnect Switch.

Install a Thermal Disconnect Switch

 **WARNING** The motor on the P-9000 Power Unit has no thermal overload protection.

Have an electrician connect a motor Thermal Disconnect Switch or overload device that will make sure the equipment shuts down in the event of an overload or an overheated motor.

 **DANGER** Installing a Thermal Disconnect Switch **must** be performed by a licensed, certified electrician. Do not perform **any** maintenance or installation on the lift without first making sure that main electrical power has been disconnected from the lift and **cannot** be re-energized until all procedures are complete.

High running amps that exceed the motor's full load amps (FLA) rating may result in permanent damage to the motor. **Do not exceed the rated duty cycle of the P-9000 motor.**

Test the Lift

Before putting your lift into normal operation, we recommend breaking it in by raising and lowering it a few times. This will help you get a feel for how to operate it and helps get any residual air out of the hydraulic system.



Tip

Residual air in the hydraulic system can cause the lift to shake, move erratically, or squeak; this is normal. If it happens to you, do not worry; it will go away quickly as the lift is a self-bleeding system.

The ramps do not need to be installed to test the lift. You also do not need a vehicle on the lift.

To test your P-9000 lift:

1. Check the area around and above the lift for obstructions; move them if you find any.
2. Press and hold **Raise**. The lift starts rising.
3. When the lift is about a foot off the ground, release **Raise**. The lift stops rising.
4. Press and hold **Safety Lock Release** and **Lower**. The lift starts lowering.
5. When the lift gets to the ground, it will stop lowering; release **Safety Lock Release** and **Lower**.
6. Wait for one minute.

 **WARNING** The Power Unit is not a constant duty motor; it cannot be run continuously.

7. Repeat the process, this time raising the lift to three feet.
8. If the lift is working without shaking, moving erratically, or squeaking, there is no need to repeat the procedure.

If the lift is shaking, moving erratically, or squeaking, repeat the procedure one more time.

If you continue to have issues, refer to the **Troubleshooting** section of this manual for assistance.

Add the Ramps

The P-9000 comes with four Ramps: two Drive-**Up** Ramps and two Drive-**Off** Ramps. The P-9000F does not come with any Ramps, as it is flush mount.

The two Drive-Up Ramps attach to the rear of the lift; the two Drive-Off Ramps attach to the front of the lift.

All four Ramps come with pins that fit into holes in the Base. To put a Ramp into position, put the pins into the holes in the Base and make sure they are correctly seated.

Final Checklist Before Operation

Make sure these things have been done before using your lift:

- Review the **Installation Checklist** to make sure all steps have been performed.
- Make sure the Power Unit is getting power from the power source.
- Check the Power Unit's Hydraulic Fluid reservoir; it must be full of approved Hydraulic Fluid or automatic transmission fluid. **You can harm the motor by running it without enough fluid.**
- Check the Hydraulic System for leaks.
- Check to see that all Anchor Bolts are correctly torqued.
- Make sure all cables are properly positioned in their sheaves.
- Make sure that all Safety Locks are cleared and free.
- Perform an operational test of the lift with a typical vehicle.


During the operational test, observe all operating components and check for proper installation and operation. Do not raise any additional vehicles until a thorough operational check has been performed with a typical vehicle.

Leave the Manual with the Owner/Operator

Make sure to leave the *Installation and Operation Manual* with the owner/operator so that it is available for anyone who needs to read it.

Operation

This section describes how to operate your lift.

-  **WARNING** Always use care when you are around the lift. When it is in a lowered position, be careful not to trip over it. When it is raised, be careful not to bang into the ramp or platform. ***When the lift is moving, keep all people, animals, and objects at least 30 feet away from it.***

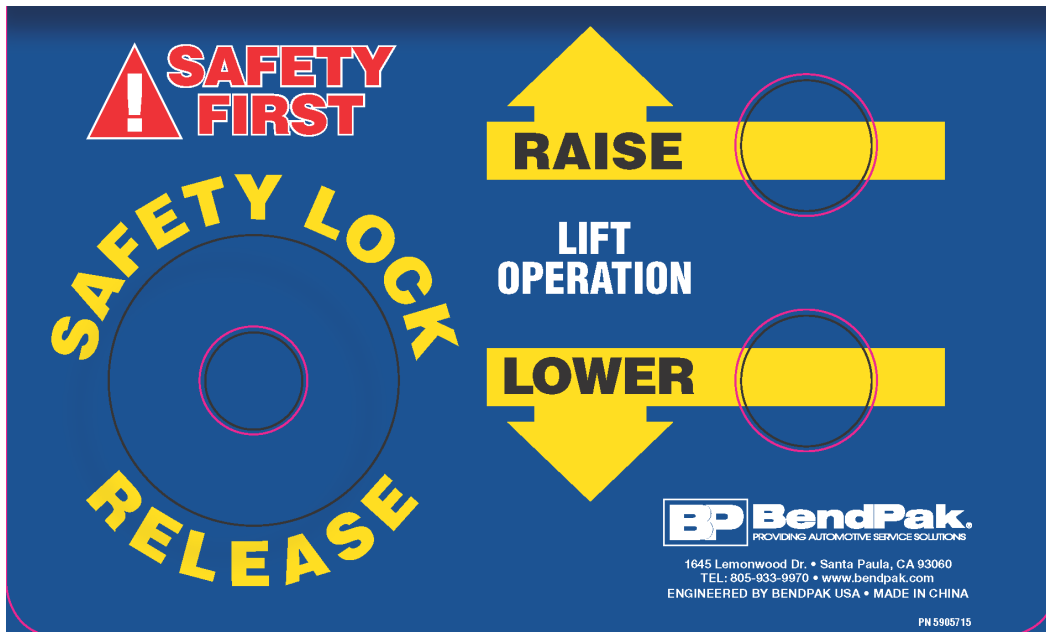
Lift Operation Safety

Before you raise or lower a vehicle using your P-9000, do the following:

- **Check the lift.** Check the lift for any missing, heavily worn, or damaged parts. Do not operate the lift if you find any issues; instead, take it out of service, then contact your dealer, email techsupport@bendpak.com, visit bendpak.com/support, or call **(800) 253-2363**, extension 196.
- **Check the area.** Check the area around the lift for obstructions; anything that might block the lift. Do not forget to check ***above*** the lift. If you find an obstruction, move it out of the way. Do not allow people or animals within 30 feet of the lift while it is in motion.
- **Check the operators.** Make sure everyone who is going to operate the lift has been trained in its use, has read the labels on the unit, and has read the manual. Only the operator at the Console should be within 30 feet of the lift when it is in motion.
- **Check for safety.** Make sure everyone who is going to be walking near the lift is aware of its presence and takes appropriate safety measures. Only put vehicles on the platform. ***When raising the lift, do not leave it until it is positioned on a safety lock.*** When lowering the lift, do not leave it until it is on the ground. Do not allow children to operate the lift. Do not allow anyone under the influence of drugs or alcohol to operate the lift.
- **Check the vehicle.** Never exceed the lift's weight rating. Do not allow people inside a vehicle you are going to raise. Make sure the vehicle is not overbalanced on either end. Make sure you know and use the manufacturer's recommended lifting points for the vehicle. Never raise just one side, one corner, or one end of a vehicle.

The Console

Operation of the P-9000 is controlled via the Console.



The controls on the Console are:

- **Safety Lock Release** button. Uses air to release the Safety Locks so that the lift can go down.
- **Raise** button. Moves the lift up.
- **Lower** button. Moves the lift down.

Raising a Vehicle

This section describes how to position a vehicle on the lift and raise it.

To raise a vehicle:

1. Check the items listed in Lift Operation Safety.

If you find any issues, resolve them before raising the vehicle.

2. Make sure both Platforms are on the ground.
3. Drive the vehicle onto the Platforms.

⚠ CAUTION When driving a vehicle onto or off of the Platforms, try to keep the wheels in the middle of the Platforms.

4. Put the vehicle in park, put on the parking brake, and turn off the vehicle.

If the vehicle is a manual transmission, put it into first gear before turning it off.

You do not want the vehicle moving while it is raised on the lift.

5. Get out of the vehicle and make sure the wheels are securely on the Platforms.

Only raise a vehicle if the wheels are securely on the Platforms.

6. Walk around the vehicle and make sure there are no obstructions or any other issues that will interfere with the raising of the lift.

-
7. At the Console, press and hold the **Raise** button.
 8. Watch the vehicle and the lift as they rise.
If the lift becomes unstable or the vehicle starts moving, release the **Raise** button immediately.
 9. When the Platforms are just past the desired height, release the **Raise** button.
The lift stops rising.
 10. Press the **Lower** button briefly to move the lift down onto the most recently passed Safety Lock.

**Tip**

If you move the lift too far past a Safety Lock, it will not engage. If this happens, just move the lift back up again, just past the desired Safety Lock, and then lower it back down onto the Safety Lock.

About Safety Locks

Your lift comes with multiple Safety Lock positions; they serve two important functions:

- **Safety.** Safety Locks hold the P-9000 Platforms in place. Once your P-9000 is on the desired Safety Locks, the weight of the vehicle pressing down holds the Platforms in place without requiring any energy. If the power goes out, the Safety Locks hold the P-9000 Platforms, and anything on them, in place.

**WARNING**

Always leave your P-9000 on Safety Locks or on the ground. Although rare, it is possible for Hydraulic Fluid in the Hydraulic Cylinders to leak, causing the lift to slowly come down. ***When you are operating your P-9000, only leave it on the ground or on a Safety Lock.***

- **Adjustable height.** Having multiple Safety Lock positions means you can raise the vehicle to just the right height for the work you are performing.

Lowering a Vehicle

This section describes how to lower a vehicle from a raised position.

To lower a vehicle:

11. Check the items listed in Lift Operation Safety.
If you find any issues, resolve them before lowering the vehicle.
12. At the Console, press and hold the **Raise** button for a second or two.
13. Press and hold **Safety Lock Release**, then press and hold **Lower**.
14. When the P-9000 Platforms are resting on the ground, release both buttons.
15. Carefully drive the vehicle off the P-9000 Platforms.

Lift Arm Kit

The P-9000 has an optional Lift Arm Kit available, described here.

The Lift Arms increase the capabilities of your P-9000 lift. The stackable pads and adapters let you quickly and easily hit the lifting points of cars, light trucks, and SUVs. If you are using your P-9000 in a pit environment, the Lift Arms install over your pit without interfering with your lube bay opening.

The Lift Arm Kit includes:

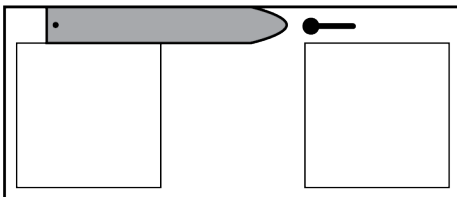
- Four Lift Arms
- Four round rubber pads with slide-on base
- Four extensions with slide-on base
- Four round rubber pads
- Four extensions
- Four Safety Stop bushings

Together, the Lift Arms can raise up to 9,000 pounds (4,082 kilograms). The Lift Arms are designed to be used together to lift a load; ***do not use the Lift Arms separately.***

⚠ CAUTION Be careful with the Lift Arms; they are heavy and you can pinch your fingers. BendPak recommends wearing gloves when installing or moving the Lift Arms.

To install the Lift Arms on a Platform:

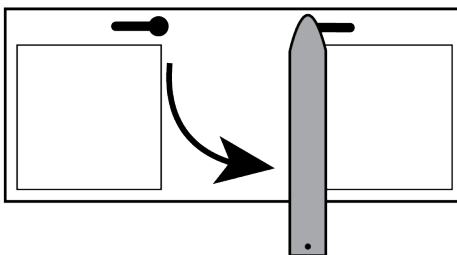
1. Raise the P-9000 lift a few inches off the ground.
2. Put the first lift Arm on top of the Platform, with the rounded end next to the hole you want to install it into and the squared end near the other end of the lift.



Pit

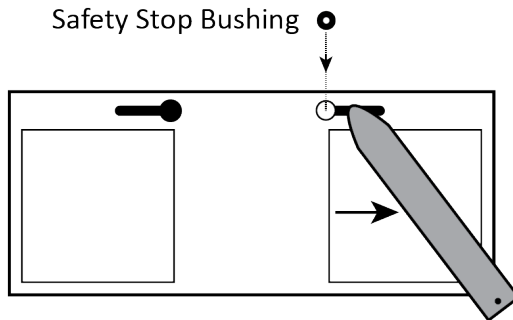
As this is the first Lift Arm you are installing, it covers the other hole.

3. Put the flange on the bottom of the rounded end into the hole.
4. When the flange is in the hole, swing the arm around until it is at a 90 degree angle to the Platform.



Pit

5. Slide the Lift Arm down, away from the circular part of the hole.
6. Insert a Safety Stop bushing into the circular part of the hole; **make sure the Safety Stop bushing sits securely in place.**

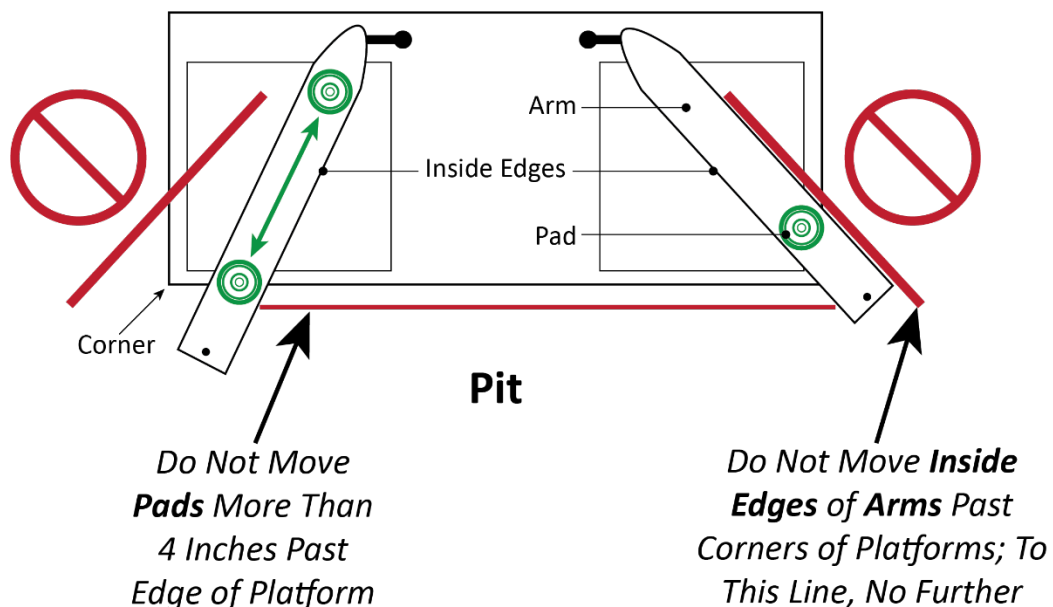


Pit


Important: Do not use any of the Lift Arms unless all of the Safety Stop bushings are in place.

7. Move the second Lift Arm into position next to the unoccupied hole.
As this is the second arm you are installing on this Platform, the arm you are installing will be on top of part of the first Lift Arm you installed.
8. Put the flange on the bottom of the second Lift Arm into the hole, swing the arm around until it is at a 90° angle, slide the Lift Arm down away from the circular part of the hole, and then insert a Safety Stop bushing into the circular part of the hole.
9. Install the Stop Bolt at the square end of each Lift Arm.
10. Slide on a pad or extension with slide-on base, starting at the rounded end of the Lift Arm.
11. Repeat this procedure for the other Platform.

⚠ WARNING In order to support 9,000 pounds (4,082 kg), do not move the inside edges of the Lift Arms past the corners of the Platform. Also, do not move the Pads on the Lift Arms more than four inches past the edge of the Platform.




Maintenance

 **WARNING:** Before performing any maintenance, make sure the lift is completely disconnected from power and cannot be re-energized until all maintenance is complete.

To maintain your lift:

- **Daily:** Keep the lift clean. Wipe up any oil spills, clean any dirt.
- **Daily:** Make a visual inspection of all moving parts and check for damage or excessive wear. If you find any damaged or worn parts, take the lift out of service until they are replaced.
- **Daily:** Make sure the Safety Locks are in good operating condition. If you find that the Safety Locks are damaged or excessively worn, take the lift out of service until they are replaced. ***Do not use your lift if the Safety Locks are damaged or excessively worn.***
- **Weekly:** Check all controls to make sure they are functioning normally.
- **Weekly:** Check all labels on the unit. Replace them if they are illegible or missing.
- **Monthly:** Lubricate the grease fittings. We recommend using white lithium grease or similar.
- **Monthly:** Check the Power Unit's Hydraulic Fluid levels. Refill if low.
- **Every two months:** Check all Anchor Bolts to make sure they are tight. If not, tighten them.

 **WARNING:** Do not operate your P-9000 if you find issues; instead, take the lift out of service, then contact your dealer, email techsupport@bendpak.com, visit bendpak.com/support, or call **(800) 253-2363**, extension 196.

Troubleshooting

This section describes how to troubleshoot your lift.

Issue	Action to Take
Platforms move erratically or squeak when in use.	Move the Platforms up and down a few times, with a break between each; there could be residual air in the Hydraulic System.
Platforms do not go up or down.	Make sure the Power Unit is connected to an appropriate power source. Make sure none of the Hydraulic Lines are pinched or leaking. Make sure there is sufficient Hydraulic Fluid in the reservoir on the Power Unit.
Hydraulic Fluid is old or dirty.	Replace the dirty fluid with clean, approved Hydraulic Fluids, such as Dexron III, Dexron VI, Mercon V, Mercon LV, Shell Tellus S4 / S3 / S2, or comparable.
Platforms make odd noises when in use.	Lubricate hinge points using white lithium grease.

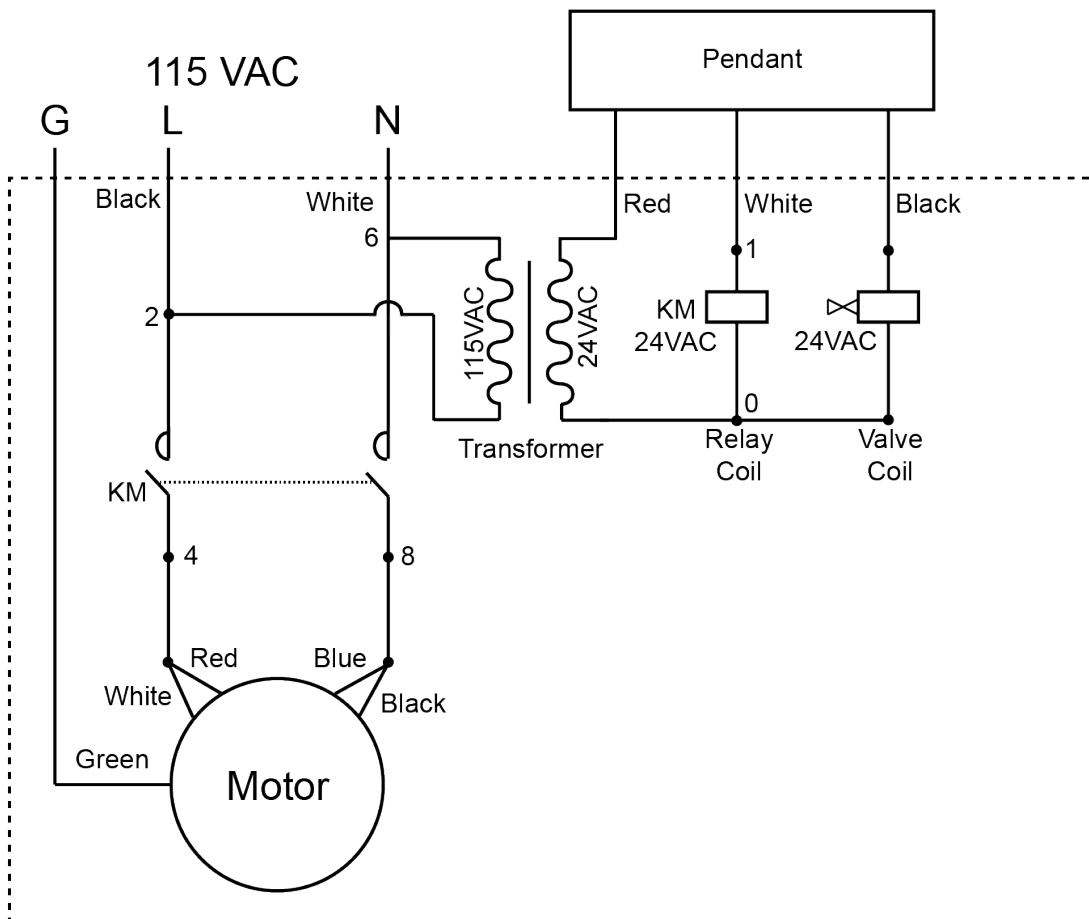
Platforms are slowly lowering on their own.

Make sure both Platforms are on Safety Locks (if not, Hydraulic Fluid could be leaking out, lowering the Platforms). Only leave the P-9000 on the ground or engaged on Safety Locks.

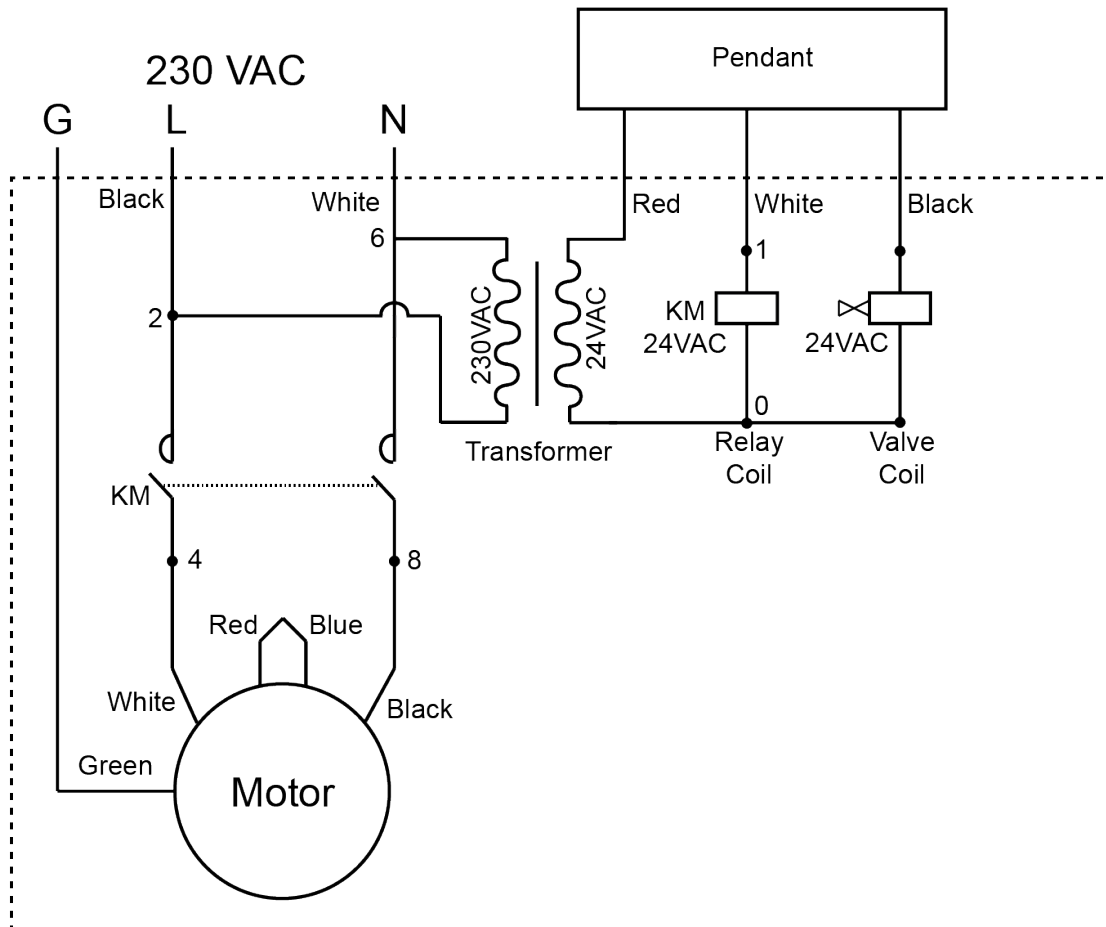
If you continue to have problems with your lift, contact your dealer, visit bendpak.com/support, email techsupport@bendpak.com, or call **(800) 253-2363**, extension 196.

Wiring Diagrams

115 VAC



230 VAC

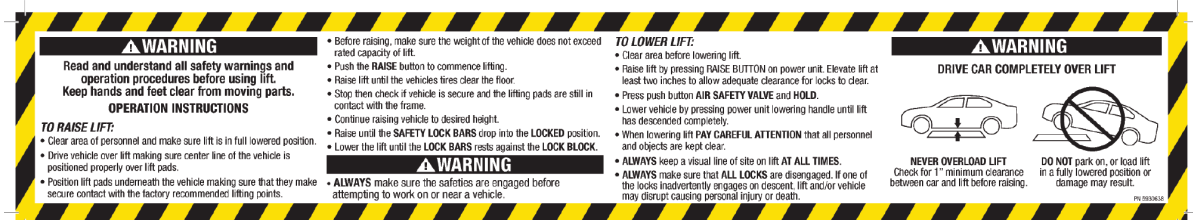


Labels

A



B



C



D

BP BendPak Santa Paula, CA USA
 www.bendpak.com

MODEL NUMBER _____

DESCRIPTION _____

LIFT CAPACITY _____ DATE OF MFG. _____

VOLTAGE SERIAL NUMBER

☐ 110-240V, 50-60 Hz, 1 Ph

☐ 208-240V, 50-60 Hz, 1 Ph

☐ 380-415V, 50-60 Hz, 3 Ph

☐ 208-440V, 50-60 Hz, 3 Ph

UPC _____

DANGER!
 Disconnect Power Before Servicing
 WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905951

ERC

E

BP BendPak SANTA PAULA, CA USA
 PROVIDING AUTOMOTIVE SERVICE SOLUTIONS WWW.BENDPAK.COM
 PN 5905949

LIFT TYPE: SURFACE MOUNT CAP: MED/HVY DTY MFG: BPK SEE DATA PLATE FOR PRODUCT DETAILS
 POWER: ELECTRIC/HYDRAULIC INSTALLATION - SEE OWNERS GUIDE OR CONTACT FACTORY

SAFETY INSTRUCTIONS: IF ATTACHMENTS, ACCESSORIES OR CONFIGURATION MODIFYING COMPONENTS THAT ARE LOCATED IN THE LOAD PATH, AFFECT OPERATION OF THE LIFT, AFFECT THE LIFT ELECTRICAL LISTING OR AFFECT INTENDED VEHICLE ACCOMMODATION ARE USED ON THIS LIFT AND, IF THEY ARE NOT CERTIFIED FOR USE ON THIS LIFT, THEN THE CERTIFICATION OF THIS LIFT SHALL BECOME NULL AND VOID. CONTACT THE PARTICIPANT FOR INFORMATION PERTAINING TO CERTIFIED ATTACHMENTS, ACCESSORIES OR CONFIGURATION MODIFYING COMPONENTS.

BENDPAK LIFTS ARE SUPPLIED WITH CONCRETE FASTENERS MEETING THE CRITERIA AS PRESCRIBED BY ASTM F488 - 98(2003). LIFT BUYERS ARE RESPONSIBLE FOR ANY SPECIAL REGIONAL, STRUCTURAL AND/OR SEISMIC ANCHORING REQUIREMENTS SPECIFIED BY ANY OTHER AGENCIES AND/OR CODES SUCH AS THE UNIFORM BUILDING CODE (UBC) AND/OR INTERNATIONAL BUILDING CODE (IBC).

THE MANUFACTURE, USE, SALE OR IMPORT OF THIS PRODUCT MAY BE SUBJECT TO ONE OR MORE UNITED STATES PATENTS, OR PENDING APPLICATIONS, OWNED BY BENDPAK INC.
 DO NOT REMOVE ENGINEERED BY BENDPAK INC. USA MADE IN CHINA

F



G

⚠ WARNING

1. **WARNING:** If any component of the lift is found to be defective, **DO NOT USE LIFT!**
2. Never operate the lift with any person or equipment below.
3. Never exceed rated capacity.
4. Always verify safety locks are engaged before any attempt is made to work on or near vehicle.
5. Never leave lift in an elevated position unless all safety locks are engaged.
6. Do not permit electric motor to get wet! Motor damage caused by dampness is not covered under warranty.
7. Failure to read, understand and follow these instructions may cause serious injury or death.

OPERATING INSTRUCTIONS

TO RAISE LIFT

- ✓ Position vehicle's center of gravity over center of lifting platforms.
- ✓ Set parking brake and use wheel chock to hold vehicle in position.
- ✓ Before raising vehicle, be sure all personnel are clear of lift and surrounding area. Pay careful attention to overhead clearances.
- ✓ Raise lift to desired height by pressing RAISE button on power unit.
- ✓ Maintain visual contact with vehicle and surrounding area at all times while raising or lowering lift.
- ✓ **STOP IMMEDIATELY** if load shifts or becomes unlevel.
- ✓ After vehicle is raised to desired height, lower lift onto the nearest safety locks.
- ✓ **ALWAYS ENSURE ALL PRIMARY SAFETY LOCKS ARE ENGAGED** before entering work area.

TO LOWER LIFT

- ✓ Before lowering vehicle, be sure all personnel, tools and equipment are clear of lift and surrounding area.
- ✓ Raise lift by pressing RAISE button on power unit. Elevate lift at least two inches to allow adequate clearance for locks to clear.
- ✓ Press and **HOLD SAFETY LOCK RELEASE** button.
- ✓ Lower vehicle by pressing LOWER button on power unit until lift has descended completely.
- ✓ When lowering lift: **MAKE SURE** that all personnel and objects are kept clear of lift and surrounding area.
- ✓ **ALWAYS** keep a visual line of site on lift **AT ALL TIMES**.
- ✓ **ALWAYS** make sure that **ALL LOCKS** are disengaged. If one of the locks inadvertently engages on descent, lift and/or vehicle may disrupt causing serious injury or death.

SAFETY LOCK RELEASE

SAFETY FIRST

LIFT OPERATION

BendPak.
PROVIDING AUTOMOTIVE SERVICE SOLUTIONS

1645 Lemonwood Dr. • Santa Paula, CA 93060
TEL: 805-933-9970 • www.bendpak.com
ENGINEERED BY BENDPAK USA • MADE IN CHINA

PN 5905715

H

⚠ WARNING ⚠

Maximum load capacity for the auxiliary lifting arms is **1125 pounds each (510 kg)** or **4500 pounds (2041 kg) per set of four**. Failure to comply with these instructions can damage equipment and/or result in serious bodily injury or death and will void the product warranty.

PN 5905946

I

⚠ WARNING

NEVER rotate optional support arms beyond the corners of the lift platforms as shown.

NEVER attempt to lift a vehicle using the optional support arms unless the safety stop bushings are securely in place. **DO NOT** use any vehicle support arm if any safety stop bushing is missing.

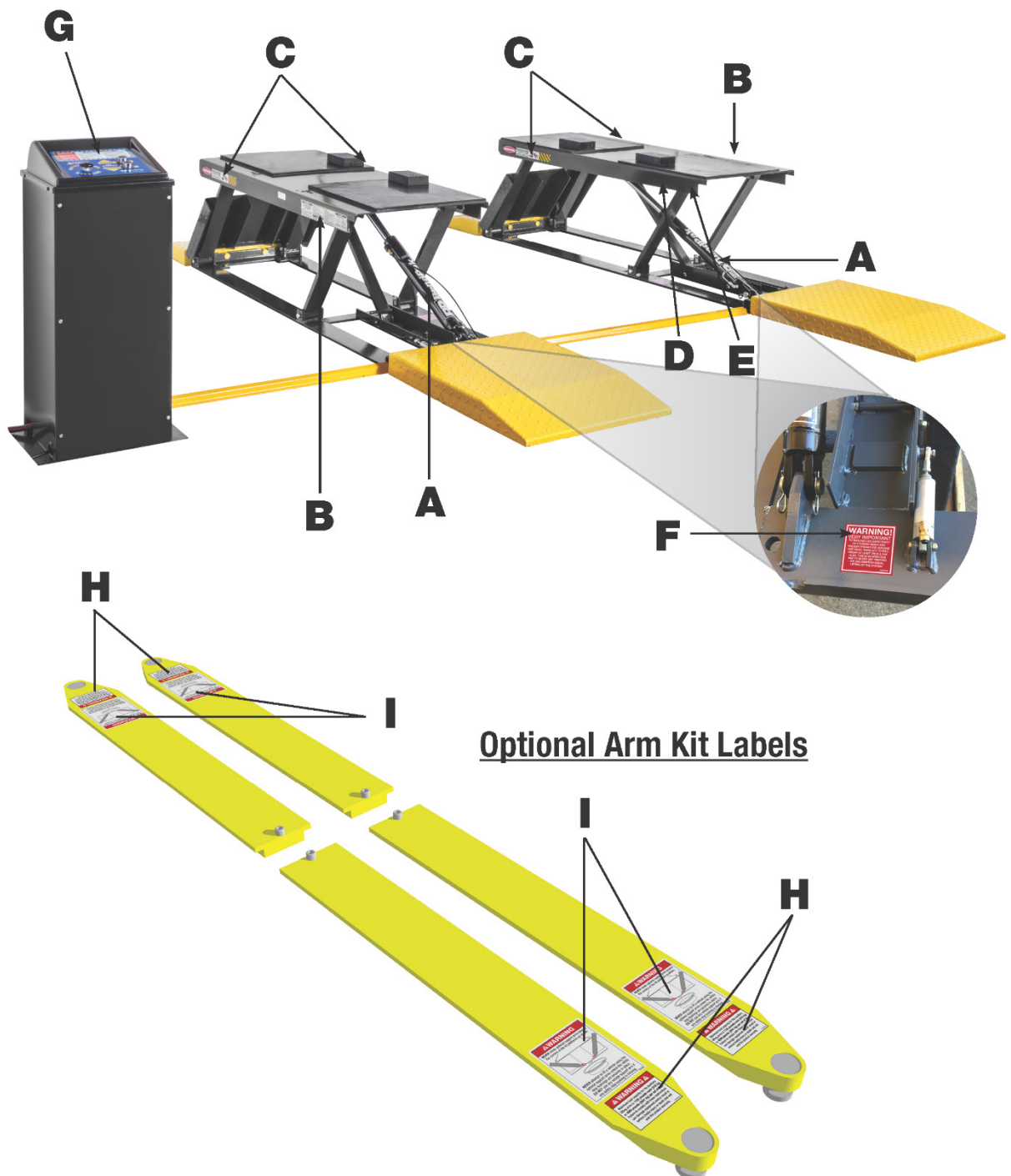
PN 5900023

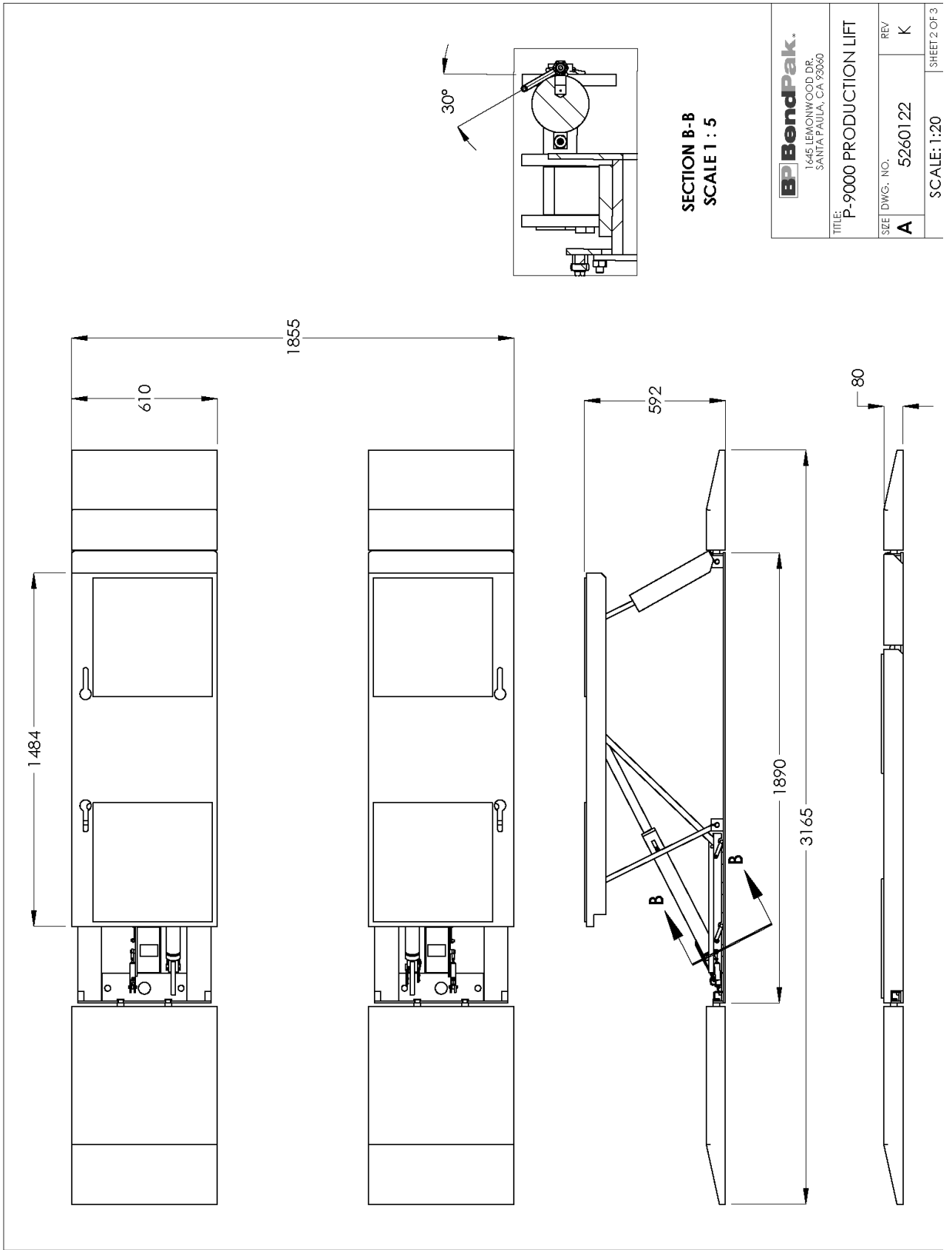
P-9000/F Low-Rise Pit Lift

34

P/N 5900590 — November 2017 — Rev. B

P-9000 & P-9000F Product Decal Positioning





BendPak.

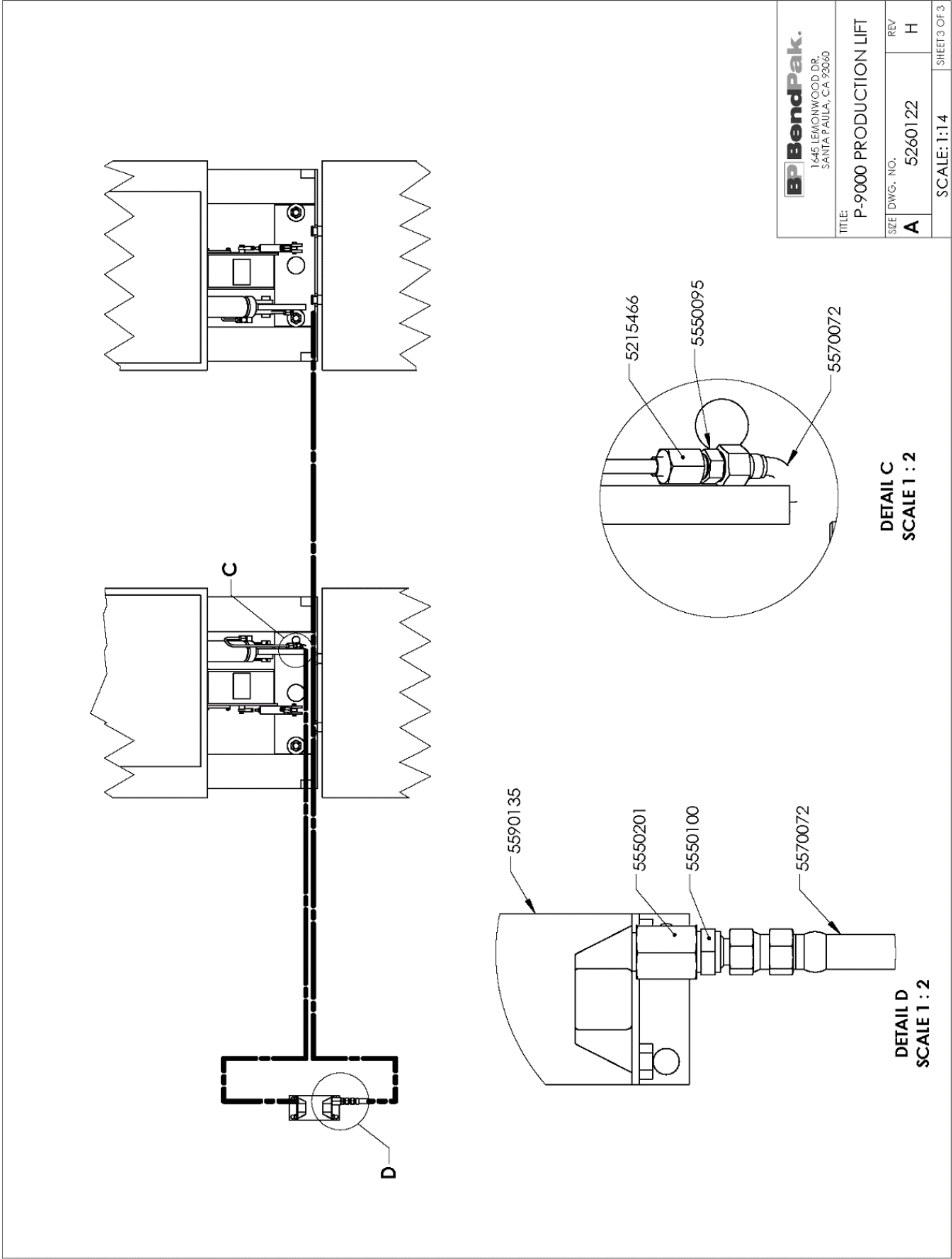
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: P-9000 PRODUCTION LIFT

SIZE	DWG. NO.	REV
A	5260122	K

SCALE: 1:20

SHEET 2 OF 3



REVISION

REV	DESCRIPTION	DATE	EDITED BY	ECO #
B	UPDATED BOM REVISION	11/09/2015	TM	00712
C	ADDED GROMMET 5520001	12/21/2015	JM	00721
D	UPDATED BOM REVISION AND NEXT ASSEMBLIES 04/15/2016	04/15/2016	TM	00746

ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

DO NOT SCALE DRAWING

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601018	POWER UNIT CONSOLE WELDMENT, SHORT	1	D
2	5714018	POWER UNIT CONSOLE COVER	1	B
3	5736895	POWER UNIT CONSOLE DOOR, SHORT	1	A
4	5530031	HBB M6 x 1 x 12	10	--
5	5520001	RUBBER GROMMET, 3/4 I.D.	2	A

DRAWN		DATE	
TM	CA	TM	CA
07/17/2015	05/10/2016		

BendPak 1645 LEMONWOOD DR.
SANTA ANA, CA 92706

THIRD ANGLE PROJECTION

SMILEY FACE

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POWER UNIT CONSOLE ASSEMBLY, SHORT

SIZE DWG. NO. **5215424** REV **D**

SCALE: 1:12 SHEET 1 OF 1

NEXT ASSEMBLY

LIFT ACCESSORIES
5260079
5260121
5260122
5260556
5261000
5261001

NOTE: UNLESS OTHERWISE SPECIFIED.
 1. ASSEMBLE ITEMS AS SHOWN
 2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

REV	DESCRIPTION	REVISION	DATE	EDITED BY/ECO#
D	REPLACED 5570073 WITH 5570073, ADDED 5550095, UPDATED BOM, REVISION, UPDATED NEXT ASSEMBLY		10/19/2016	TS 00781
E	REPLACED 5300845 WITH 5300002, REPLACED 5570073 WITH 5570085, UPDATED BOM, REVISION		02/02/2017	TS 00808
F	REPLACED 5570085 WITH 5570040, 5550142 WITH 5550201, 5550147 WITH 5550100, REMOVED (3) 5550103		06/29/2017	TM 00847

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5530456	AB 3/4" x 4 - 3/4"	12	—
2	5530326	AB Ø3/8" x 2-1/4"	2	—
3	5300002	5500 RUBBER PAD	4	C
4	5520175	PUSH BUTTON AIR VALVE	1	—
5	5550436	FIG NPL -02 NPT x -04 F NPT	1	—
6	5550087	FIG ETB -04 COMP x -02 NPT	1	—
7	5550100	FIG NPL -04 JIC x -06 NPT	3	—
8	5550001	FIG NPL -04 COMP x -02 NPT	3	—
9	5550001	FIG ETB -04 NPT x -06 ORB	2	—
10	5550001	FIG ETB -04 NPT x -06 ORB	2	—
11	5570040	P9000 90000F HYDRAULIC HOSE ASSY 26.35 x 742mm DS	2	B
12	5570040	P9000 SERIES HYDRAULIC HOSE ASSY 26.35 x 4270mm SB	2	—
13	5570795	1/4" POLY-FLOW TUBING	5182mm	—
14	5590135	HYDRAULIC FLOW DIVIDER	3	—
15	5550395	FIG TEE -04 COMP x -04 COMP	4	—
16	5545340	WASHER M8 X24 FLAT	4	—
17	5530050	NUT M8 X 1.25 X 30	4	—
18	5535001	NUT M8 X 1.25 NPT	4	—
19	5215466	P9000 HYDRAULIC LINE ASSEMBLY	2	B
20	5550201	FIG NPL -04 ORB x -06 F NPT	3	—
21	5550095	FIG NPL -04 JIC x -04 JIC	2	—

NAME	DATE
DRAWN JM	08/05/2015
CHECKED AW	7/19/2017

THIRD ANGLE PROJECTION

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1645 LEMONWOOD DR.
SANTA PAULA, CA 95060

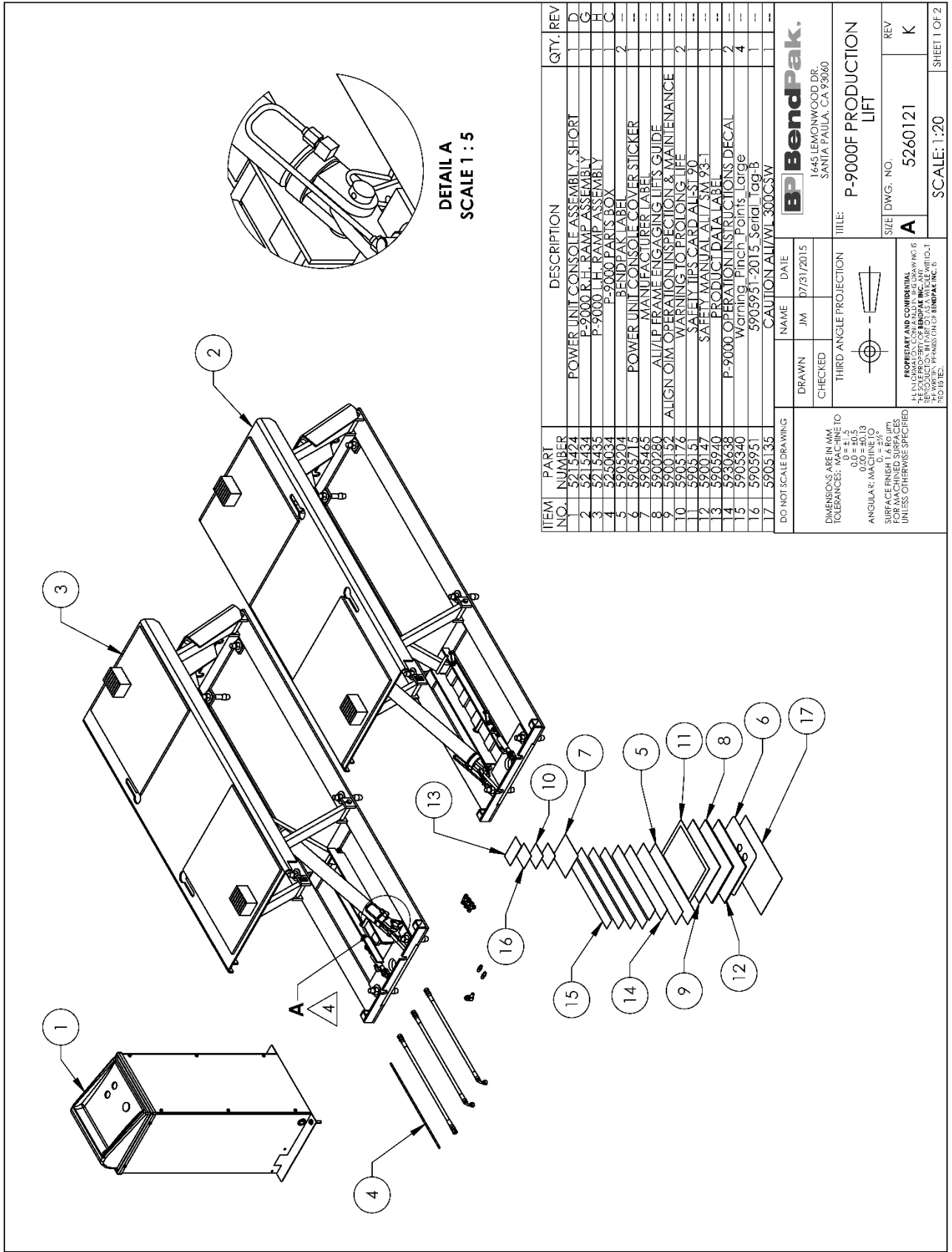
TITLE: P-9000 PARTS BOX

SIZE DWG. NO. REV
A 5250034 F

SCALE: 1:25 SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED,

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV.
1	5215424	POWER UNIT CONSOLE ASSEMBLY, SHORT	1	D
2	5215434	P-9000 R.H. RAMP ASSEMBLY	1	G
3	5215435	P-9000 L.H. RAMP ASSEMBLY	1	H
4	5250034	P-9000 PARTS BOX	1	C
5	5905204	BENDPAK LABEL	2	--
6	5905215	POWER UNIT CONSOLE COVER STICKER	1	--
7	5905465	MANUFACTURER LABEL	1	--
8	5900280	AL/PL FRAME ENGAGING LIFTS GUIDE	1	--
9	5900152	ALIGN OIM OPERATION INSPECTION & MAINTENANCE	1	--
10	5905176	WARNING TO PROLONG LIFE	2	--
11	5905151	SAFETY TIPS CARD AL-SI 90	1	--
12	5900147	SAFETY MANUAL AL/PL 93-1	1	--
13	5905940	PRODUCT DATA LABEL	1	--
14	5930438	P-9000 OPERATION INSTRUCTIONS DECAL	2	--
15	5905340	Warning Pinch Points Large	4	--
16	5905951	5905951-2015 Serial Tag B	1	--
17	5905135	CAUTION AL/PL 300CSW	1	--

BendPak®
1645 LENOXWOOD DR.
SANTA PAULA, CA 93060

TITLE: P-9000F PRODUCTION LIFT

SIZE DWG. NO. 5260121
REV K

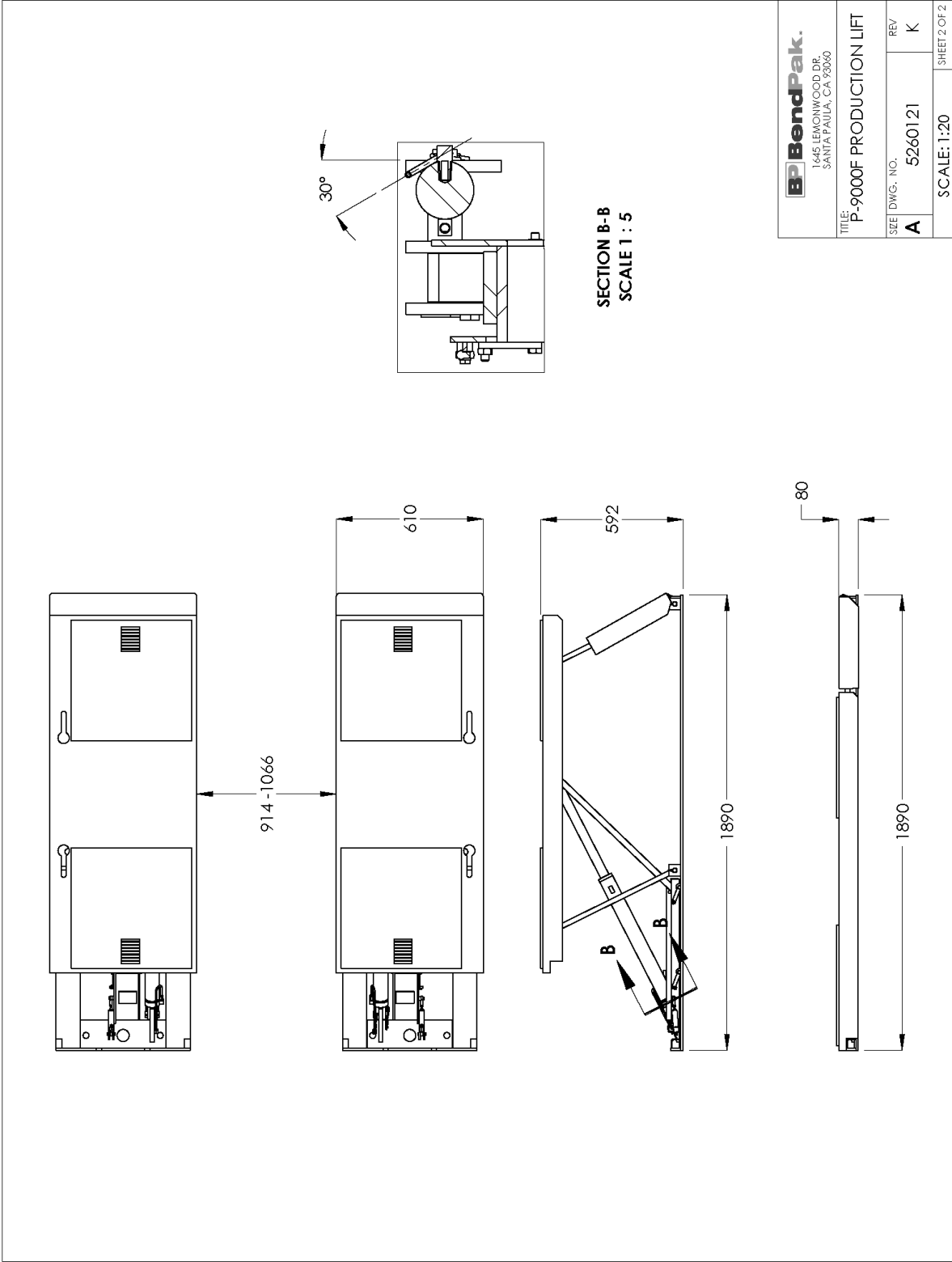
SCALE: 1:20
SHEET 1 OF 2



THIRD ANGLE PROJECTION

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DIMENSIONS ARE IN INCHES
TOLERANCES: MACHINE TO
0.00 ± 0.05
0.00 ± 0.05
0.00 ± 0.05
ANGULAR: MACHINE TO
0.00 ± 0.05
0.00 ± 0.05
0.00 ± 0.05
SURFACE FINISH: R0.8
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED



BendPak.

1645 LEXINGTON DR.
SANTA PAULA, CA 95560

TITLE: P-9000F PRODUCTION LIFT

SIZE	DWG. NO.	REV.	SHEET
A	5260121	K	2 OF 2

SCALE: 1:20

Maintenance Log



1645 Lemonwood Drive
Santa Paula, CA 93060 USA