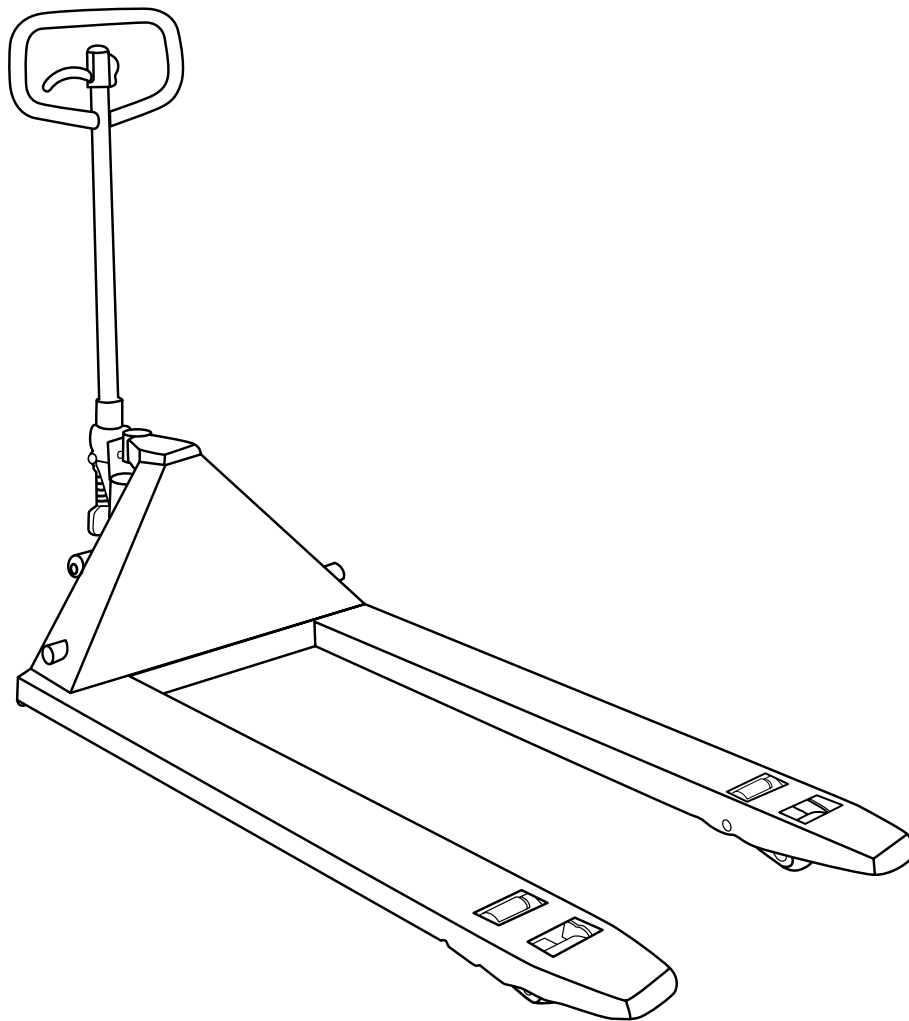




Southwire™

OPERATING & MAINTENANCE INSTRUCTIONS

Pallet Jacks (PJ20/PJ27)



**READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND
SAFETY INFORMATION IN THIS MANUAL BEFORE OPERATING
OR SERVICING THIS TOOL**



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SAFETY FIRST

Safety is essential in the use and maintenance of Southwire Contractor Equipment. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all the safety information provided.

IMPORTANT SAFETY INFORMATION

<div>SAFETY ALERT SYMBOL</div> <p>This symbol is used to call your attention to hazards or unsafe practices which could result in injury or property damage. The signal word, defined below, indicates the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.</p> <div>DANGER</div> <p>Immediate hazards which, if not avoided, WILL result in severe injury or death.</p> <div>WARNING</div> <p>Hazards which, if not avoided, COULD result in severe injury or death.</p> <div>CAUTION</div> <p>Hazards or unsafe practices which, if not avoided, MAY result in severe injury or death.</p>	
<div></div>	<div>DANGER</div> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool. Failure to observe this warning could result in severe injury or death.</p>
	<div></div> <div>WARNING</div> <p>Personal Safety Hazards</p> <ul style="list-style-type: none">• Only qualified persons should use the Southwire Pallet Trucks.• Wear eye protection, hard hat, cut resistant gloves and safety toe shoes when using this tool.• Do not use tool while tired or under the influence of drugs, alcohol, or medication.• Keep body parts and loose clothing away from moving parts.• Always follow operating procedures.
	<div></div> <div>WARNING</div> <p>Tool Use Hazards:</p> <ul style="list-style-type: none">• Read and understand the entire owner's manual before using the pallet truck.• Do not place hands or feet under the pallet truck at any time.• Do not operate a loaded pallet truck on ramps or inclines.• Do not tip loaded pallet truck forks. This may cause damage to the forks and personal injury if the rear of the pallet truck suddenly "pops up."
<div>CAUTION</div> <p>Read and understand all the instructions and safety information in this manual before operating or servicing this tool.</p>	
<div>CAUTION</div> <ul style="list-style-type: none">• Do not use if any parts are damaged as this can cause an unsafe condition and lead to tool malfunction or failure.• If tool is in disrepair, DO NOT USE. Have tool serviced at an Authorized Southwire Repair Center.	

- Never leave a loaded pallet truck unattended in the raised position. Always lower load to the floor.
- Do not load pallet truck beyond its rated capacity.
- Secure load before transporting.
- To prevent accidental tipping, make sure load is centered on the forks.
- Do not move a loaded pallet truck by other than manual force.
- Replace warning labels if they become obscured or removed.
- Only qualified personnel should use Southwire pallet trucks.
- Do not use the pallet truck for any means other than outlined in this manual.

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN SEVERE INJURY OR DEATH.

INTRODUCTION

To better understand the proper use and safe operation of your Southwire Pallet Truck, please take a few minutes to carefully read and follow the instructions contained in this manual. When finished reading and understanding the manual, please file in a safe and convenient location for the life of the pallet truck. You will notice several important features about your Southwire Pallet Truck. It features a 2-1/2" lowered height, rounded fork tips and nylon entry/exit rollers to provide easy entry and exit of pallets. A large, easy-to-use ergonomic handle with a 180° turning radius allows maximum maneuverability. The articulated steer wheel axle helps maintain floor contact on uneven surfaces. The cast iron pump design features top-of-the-stroke and overload by-pass systems hardened and chromed ram and piston, and a single point valve service for easy replacement. A special lowering valve allows you to control the rate of descent and prevent "shock" loads. Your Southwire Pallet Truck is designed and built to offer consistent, long-term operation with minimal maintenance and service attention. For more information go to www.southwire.com.

DESCRIPTION OF OPERATION

The Southwire Pallet Truck is a 6600 lb. rated pallet truck available in two sizes Model# PJ27 (27" x 48") and Model# PJ20 (20" x 48"). The Southwire Pallet Truck is used to lift and transport loads to desired locations with the use of a hydraulic lift. Placing material on the pallet truck or inserting pallet truck through a pallet, user can lift and move material with ease.

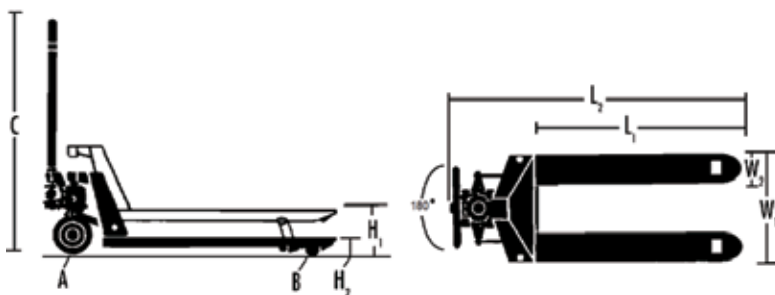
Dimensions

MODEL #	STOCK #	W1	W2	L1	L2	H1	H2	A (DxW)	B (DxW)	C	MAX LOAD	NET WT.	SHIP WT.
PJ20	779766	6"	20.5"	48"	63"	6.25"	2.5"	6.25"x2.75"	2.5"x3.75"	45.13"	6,600 lbs	172 lbs	192 lbs
PJ27	779765	6"	27"	48"	63"	6.25"	2.5"	6.25"x2.75"	2.5"x3.75"	45.13"	6,600 lbs	196 lbs	216 lbs

All Models

Number of Strokes to Reach Maximum Height:	8
Force Required to Pump @ Maximum Load (lbs):	89
Force Required to Move Maximum Load (lbs):	110

Pallet Jack

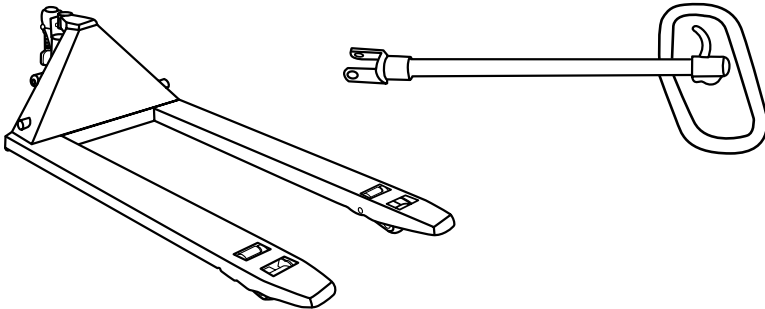


SERVICING

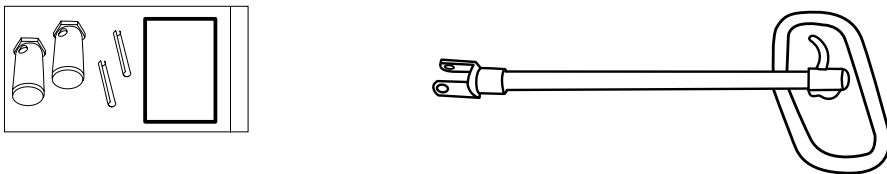
Handle Assembly & Test

Tools: Box Cutter, Crescent Wrench, Pliers, & Hammer

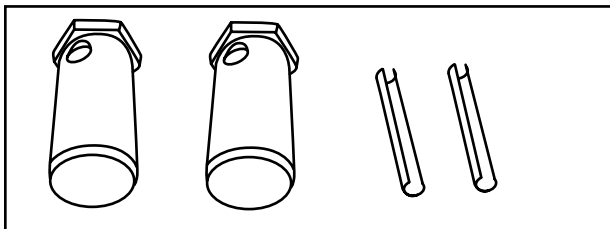
Step 1. - Remove Packing Material (using box cutter)



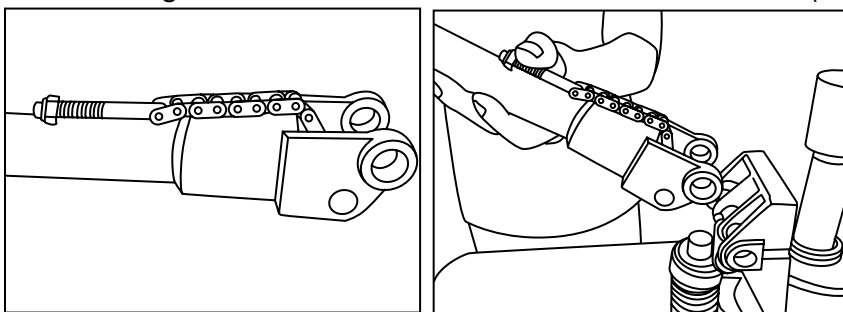
Step 2. - Stage hard ware kit (out of bag) & Manual on work table



Step 3. - Ensure parts are present: 2 – Silver Pallet Jack Pin
2 – Pallet Jack Split Roll Pin (dowel)
787350-Pallet Jack Hardware Kit



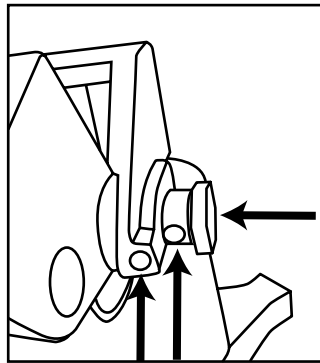
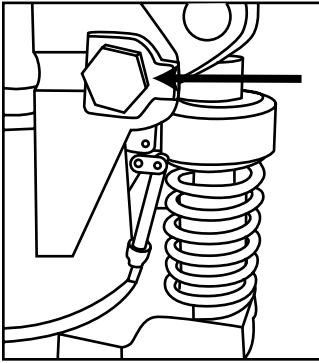
Step 4. - With left hand hold pallet jack handle, also grasping chain bolt in upright position (As shown)
- Align handle holes with base holes while in motion (As shown)



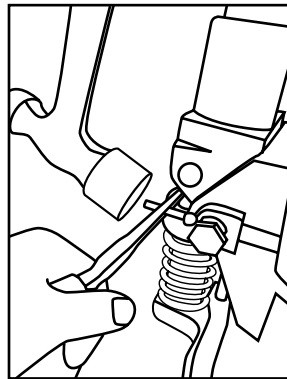
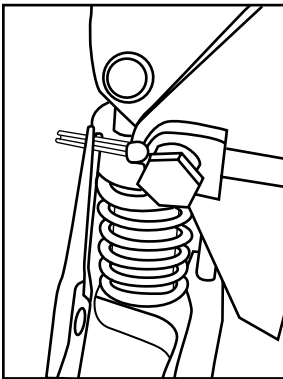
SETUP AND OPERATION

Step 5. - Insert Silver pin on either side of handle and base holes

- Align silver pin holes with base receiver holes, with hammer tap silver pin inward, till flush with receiver base

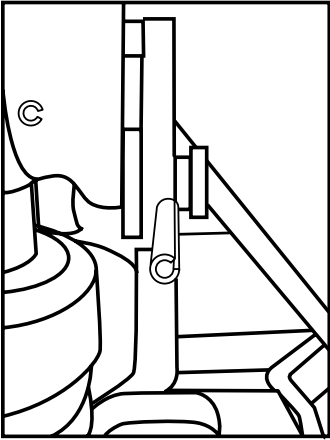


Step 6. - Using Pliers, hold split pin dowel in place and tap into position, through both handle and base

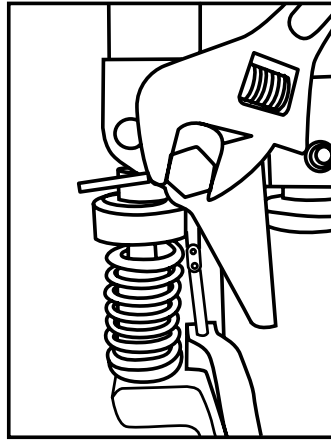


Note: Silver pin adjustment might be needed, if split pin dowel does not set through base properly (Example)

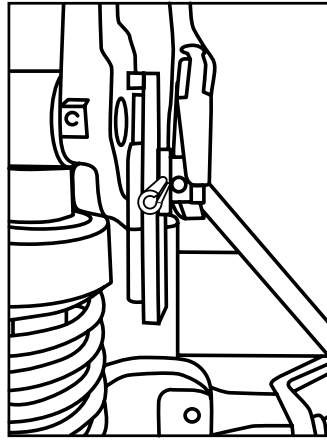
SETUP AND OPERATION



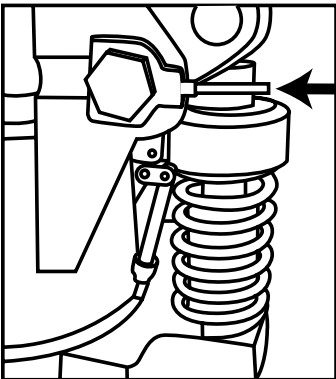
Pic. 1- If dowel does not set correctly, you will need to adjust silver pin



Pic. 2- Using a crescent wrench, clamp and rotate silver pin in any direction, till base hole and silver pin hole align



Pic. 3- Base dowel hole and silver pin hole should align as shown. Tap silver pin in to position with base hole

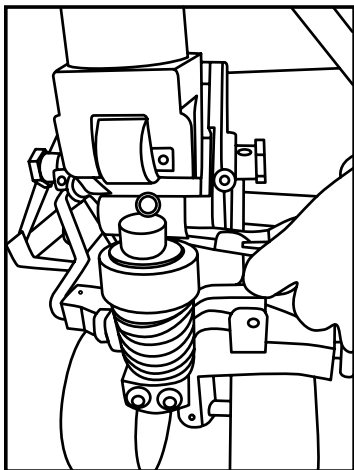


Pic. 4- Using a hammer, tap in dowel flush to base hole entrance

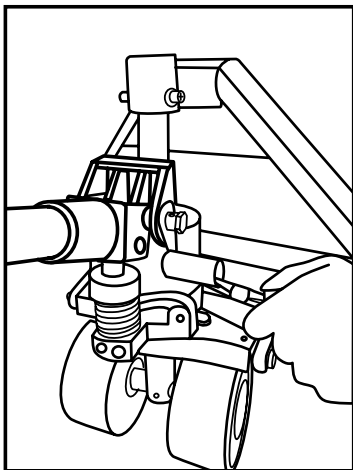
SETUP AND OPERATION

Step 7. – Pull down pallet jack handle to remove spacer tube

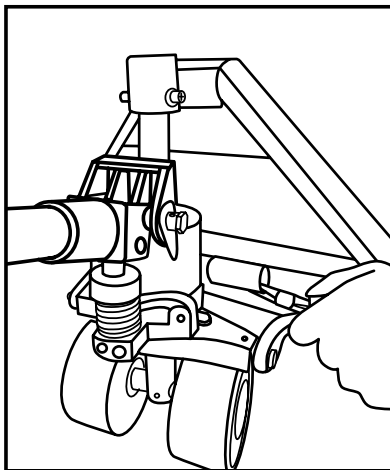
Spacer Tube Removal (Example)



Pic. 1- Insure handle is in upright position, clamp down on spacer tube with pliers



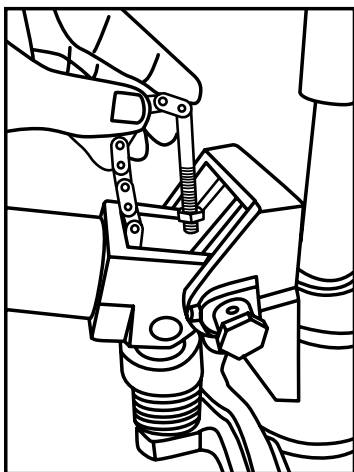
Pic. 2- Lower handle, sagely and slowly pull out spacer tube



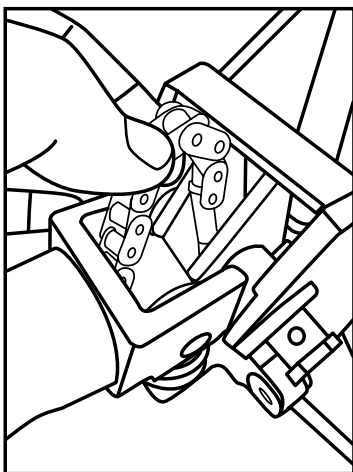
Pic. 3- Once spacer tube is removed, set aside and discard after full assembly

Step 8. – Position Chain Bolt

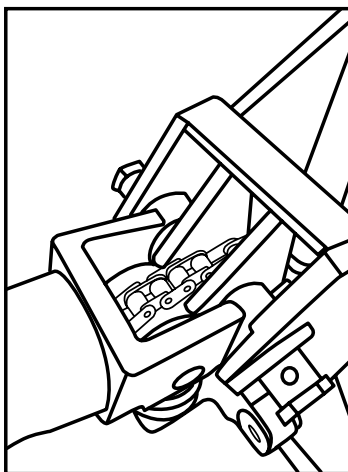
Chain Bolt Positioning



Pic. 1- Holding pallet jack handle down, position chain bolt down hole



Pic. 2- Insure the path down is free and clear of obstructions

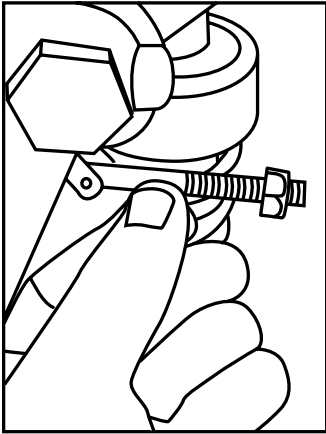


Pic. 3- The chain bolt should be in this position, slowly lift handle to upright position

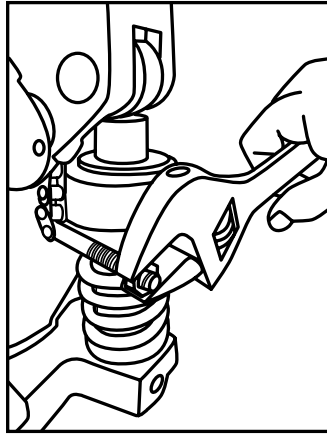
SETUP AND OPERATION

Step 9. - Lift chain bolt, torque nut, and slip in cylinder lever notch

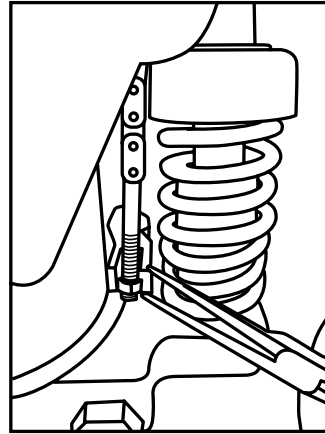
Chain Bolt - Nut Torque and Placement



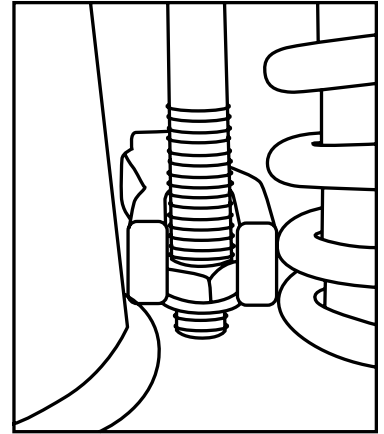
Pic. 1- While the pallet jack handle is upright, lift chain bolt in a workable position as shown.



Pic. 2- Using a crescent wrench, torque nut clockwise to increase cylinder pressure (if need)



Pic. 3- Using pliers, raise the cylinder lever, slip chain bolt into cylinder lever notch.



Pic. 4- Insure chain bolt is firmly set and nut is supporting cylinder lever bottom.

To lift a load:

1. Lower forks to lowest position.
2. Insert forks under load or into pallet.
3. Push the lever down.
4. Move handle up and down until forks reach desired height.

To move a load:

1. Place lever in center neutral position.
2. Pull or push to desired location.

To lower a load:

1. Pull lever up and allow load to settle.
2. Pull forks away from load.

SETUP AND OPERATION

LUBRICATION

Check the oil level annually by unscrewing oil fill plug (FIG 10). When changing or adding oil, fill the reservoir through the top plug hole in the reservoir to 80% capacity with hydraulic jack oil. Do not overfill.

- A- Filler Plug
- B- Drain Plug
- C- Bleeder Plug
- D- Grease Fitting

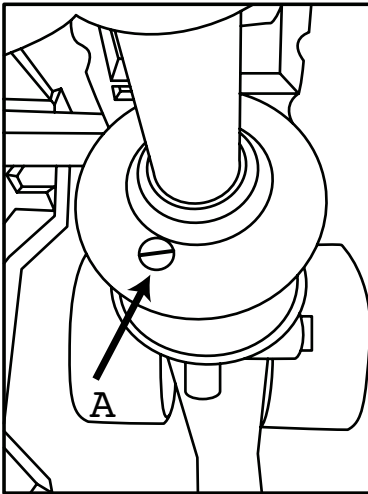


Fig.10

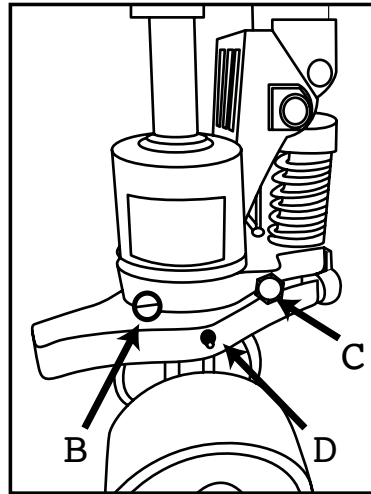


Fig.11

After filling and re-installing filler plug, bleed the pump.

- Pump handle to build up pressure in the reservoir.
- Loosen bleeder plug until fluid flows from bleeder plug.
- Tighten bleeder plug.
- Repeat process until no air remains in the system.

There is one grease fitting located on the black cross bar just under front of reservoir. This fitting should be greased on a semi-annual basis (FIG 11 “D”).

TROUBLESHOOTING

Any disassembly of the Southwire Pallet Truck should be done by authorized and qualified service personnel. Contact Southwire customer service for a list of authorized repair facilities.

TROUBLE	PROBLEM CAUSE	REMEDY
Hydraulic unit does not lift.	Low oil level in reservoir.	Make sure there is no oil leakage from valve, and add oil.
	Steel ball not seated in hydraulic unit.	Place the lever in the down position and pump the handle repeatedly.
	Worn U-packing in ram cylinder	Consult authorized service facility.
Once lifted, truck lowers by itself.	Steel ball not seated in hydraulic unit.	Bleed the pump.
	Worn seal in ram cylinder.	Have seal(s) replaced.
	Release valve not seated properly.	Bleed the pump.
	Release valve not adjusted properly.	Reload truck within load capacity and adjust valve by pressure adjustment screw.
	Oil leakage from each valve.	Tighten plug of each valve.
Fork does not lower.	Relief cam or chain element broken.	Replace affected element.
	Relief cam nut out of adjustment.	Refer to "Adjusting Relief Cam."
	Broken fork rods and linkage.	Inspect linkages for breaks or cracks. Replace elements as needed
Lever does not set at Up-Load.	Relief cam nut out of adjustment.	Refer to "Adjusting Relief Cam."
Truck doesn't roll smoothly or evenly.	Wheels have debris embedded, or out of round due to wear.	Inspect and remove debris. If worn, replace wheels. Note: Always replace wheels in pairs.

MAINTENANCE

IMPORTANT: Repairs and seal ring replacements should only be performed by qualified personnel at authorized Southwire Repair Facilities.

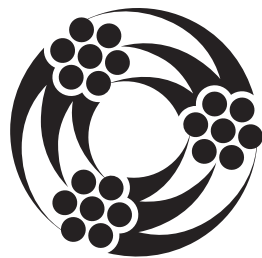
SPECIFICATIONS

- Model # PJ20
- Stock # 779766
- Height- 45.13"
- Width- 20.5"
- Depth- 63"
- Weight- 172 lbs
- Capacity- 6,600 lbs

- Model # PJ27
- Stock # 779765
- Height- 45.13"
- Width- 27"
- Depth- 63"
- Weight- 196 lbs
- Capacity- 6,600 lbs

WARRANTY CLAIM INFORMATION

For all warranty, customer service, and product return authorizations and inquiries, please visit www.southwire.com/resources/warranties.



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