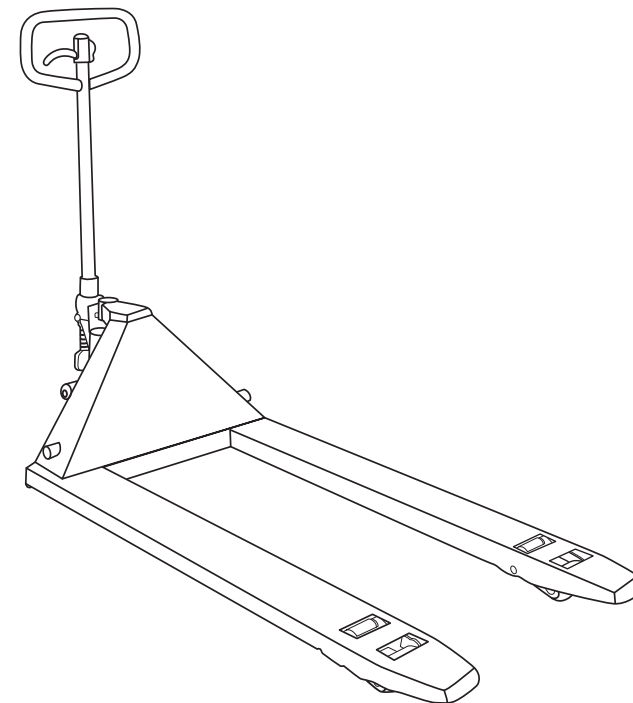




**OPERATING and MAINTENANCE
INSTRUCTIONS
SUMNER PALLET TRUCKS
(PJ20/PJ27)**



**READ AND UNDERSTAND ALL
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.

SAFETY ALERT SYMBOLS

These symbols are used to call attention to hazards or unsafe practices related that could result in injury or property damage. The three safety words defined below indicate the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.



DANGER - Immediate hazards that if not avoided **WILL** result in severe injury or death



WARNING - Hazards that if not avoided **COULD** result in severe injury or death



CAUTION - Hazards or unsafe practices that, if not avoided **MAY** result in severe injury or death

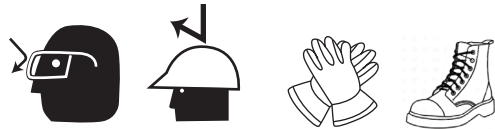
IMPORTANT SAFETY INFORMATION



⚠️ WARNING

- Read and understand all instructions and safety information in this manual before operating or servicing this tool.
- Failure to observe these warnings could result in severe injury or death.

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



⚠️ WARNING - Personal Safety Hazards

- Only qualified persons should use the Sumner 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.

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

⚠️ WARNING: Tool Use Hazards

- 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 load pallet truck forks. This may cause damage to the forks and personal injury if the rear of the pallet truck suddenly "pops up."

IMPORTANT SAFETY INFORMATION

- 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 Sumner 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.

⚠️ WARNING: Prop 65

WARNING: Cancer and Reproductive Harm

⚠️ CAUTION

Read and understand all the instructions and safety information in this manual before operating or servicing this tool.

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

⚠️ CAUTION

- 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 Sumner Repair Center.

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

INTRODUCTION

To better understand the proper use and safe operation of your Sumner 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 Sumner 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 Sumner Pallet Truck is designed and built to offer consistent, long-term operation with minimal maintenance and service attention. For more information go to www.sumner.com

Description of Operation

The Sumner 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 Sumner 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

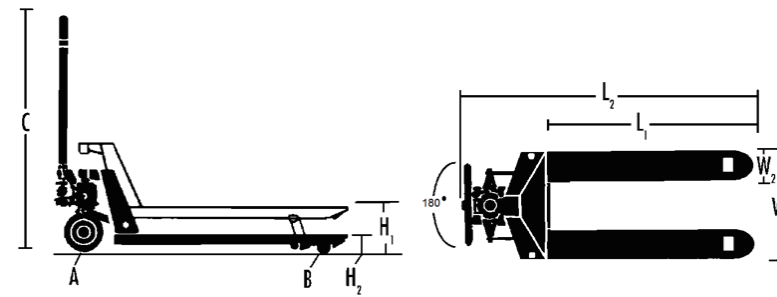
MODEL	STOCK No.	W1 (IN.)	W2 (IN.)	L1 (IN.)	L2 (IN.)	H1 (IN.)	H2 (IN.)	A (DxW) (IN.)	B (DxW)/in.	C (IN.)	MAX. LOAD LBS.	NET WT. LBS	SHIP WT. (LBS)
PJ20	779766	6	20.5	48	63	6.25	2.5	6.25x2.75	2.5x3.75	45.13	6600	172	192
PJ27	779765	6	27	48	63	6.25	2.5	6.25x2.75	2.5x3.75	45.13	6600	196	216

Description of Operation

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

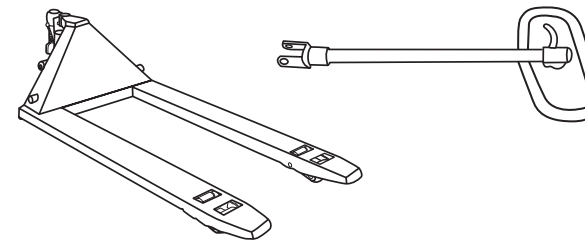
Pallet Jack



Handle Assembly & Test

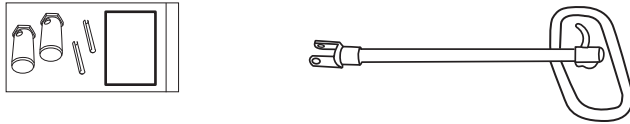
Tools: Box Cutter, Crescent Wrench, Pliers, & Hammer

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

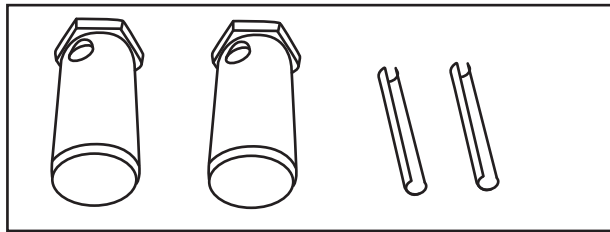


SETUP AND OPERATION

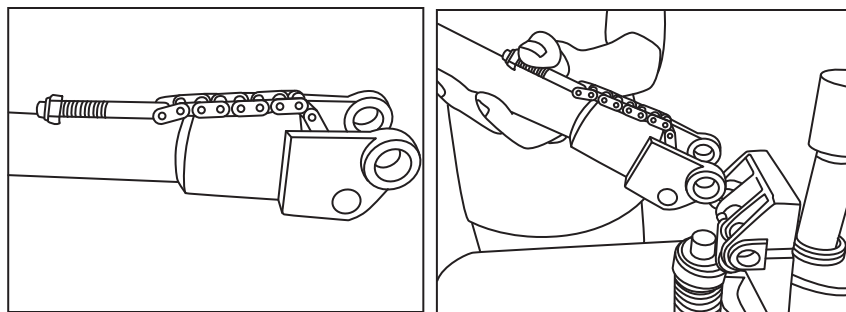
Step 2. - Stage hard ware kit (out of bag) & Manual on work table



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

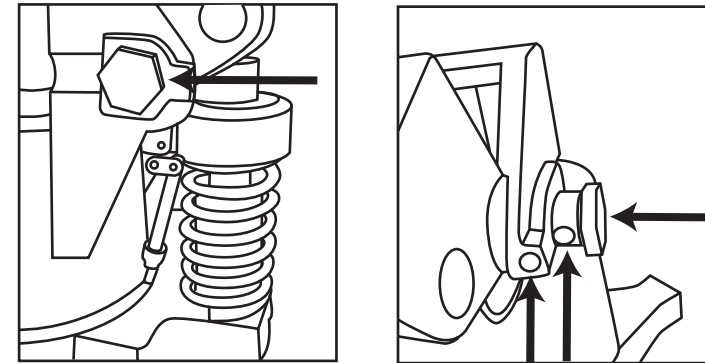


Step 4. - With left hand hold pallet jack handle, also grasping chain bolt in upright position (As shown)
- Align handle holes with base holes while in motion (As shown)

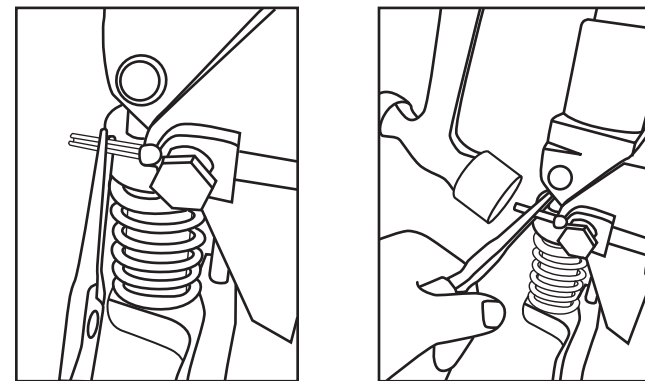


SETUP AND OPERATION

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

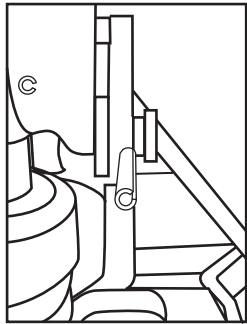


Step 6. - Using Pliers, hold split pin dowel in place and tap into position, through both handle and base

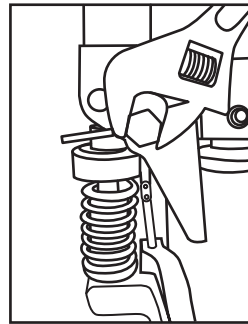


Note: Silver pin adjustment might be needed, if split pin dowel does not set through base properly (Example)

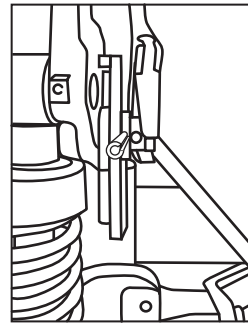
SETUP AND OPERATION



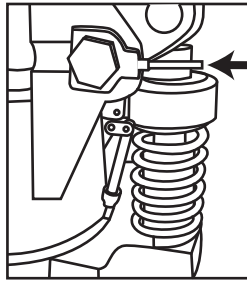
Pic. 1- If dowel does not set correctly, you will need to adjust silver pin



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



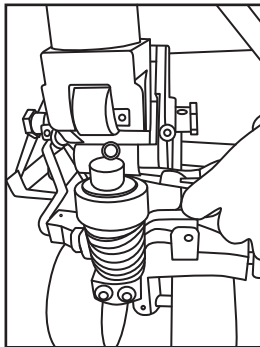
Pic. 3- Base dowel hole and silver pin hole should align as shown. Tap silver pin in to position with base hole



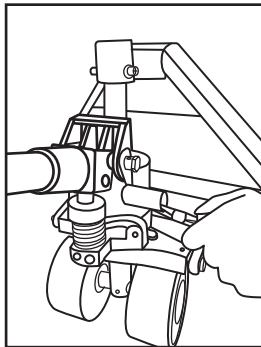
Pic. 4- Using a hammer, tap in dowel flush to base hole entrance

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

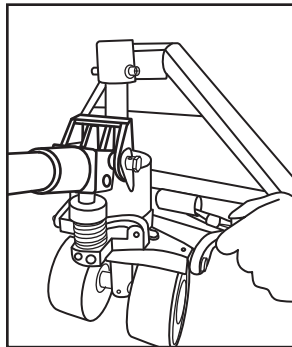
Spacer Tube Removal (Example)



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

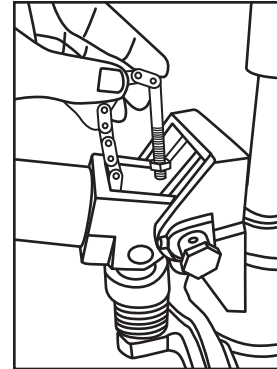


Pic. 3- Once spacer tube is removed, set aside and discard after full assembly

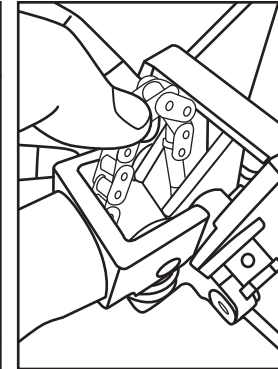
SETUP AND OPERATION

Step 8. – Position Chain Bolt

Chain Bolt Positioning



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



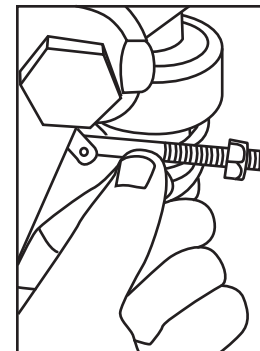
Pic. 2- Insure the path down is free and clear of obstructions



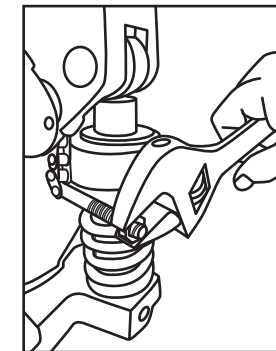
Pic. 3- The chain bolt should be in this position, slowly lift handle to upright position

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

Chain Bolt - Nut Torque and Placement

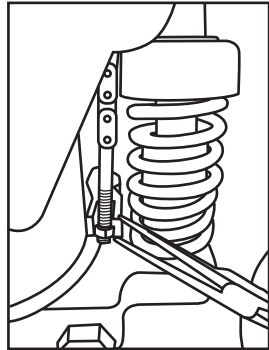


Pic. 1- While the pallet jack handle is upright, lift chain bolt in a workable position as shown.

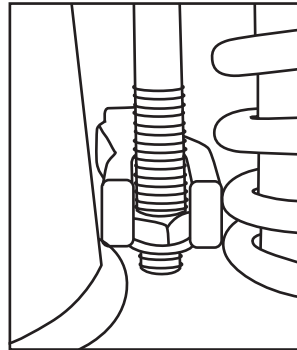


Pic. 2- Using a crescent wrench, torque nut clockwise to increase cylinder prssure (If need)

SETUP AND OPERATION



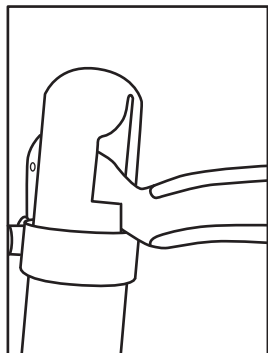
Pic. 3- Using pliers, raise the cylinder lever, slip chain bolt into cylinder lever notch.



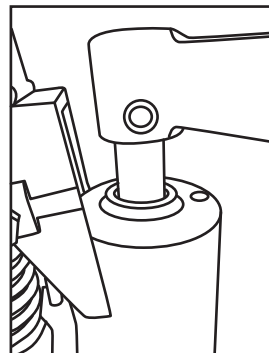
Pic. 4- Insure chain bolt is firmly set and nut is supporting cylinder lever bottom.

Step 10. – Test Upright Position

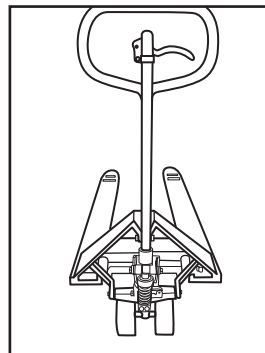
Pallet Jack Test - Upright position



Pic. 1- Setting the handle lever in the position shown, crank pallet handle down and up to test proper cylinder function.



Pic. 2- As you crank handle up and down you will see the pallet jack raising and the chrome position.

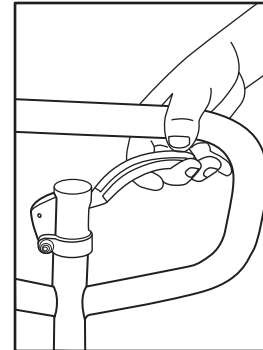


Pic. 3- This picture shows the pallet jack in its fully elevated position.

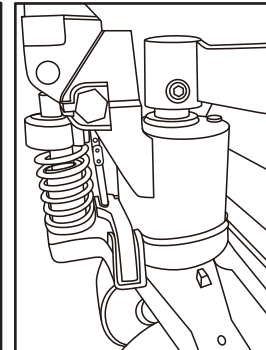
SETUP AND OPERATION

Step 11. – Test Lowered Position

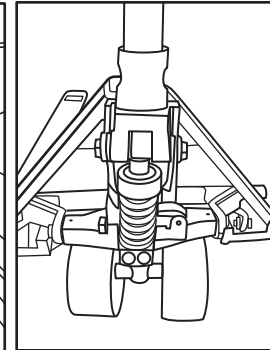
Pallet Jack Test - Down position



Pic. 1- Squeezing the lever handle up will release cylinder pressure and pallet jack will start to lower.



Pic. 2- Continued squeezing of the pallet jack handle lever, will completely lower pallet jack to floor.



Pic. 3- This picture shows the pallet jack in its fully lowered position.

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.

SERVICING

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

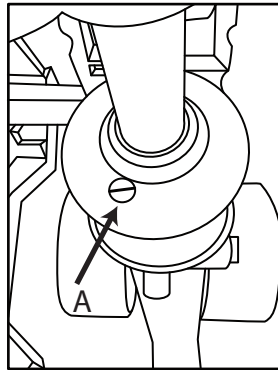


FIG 10

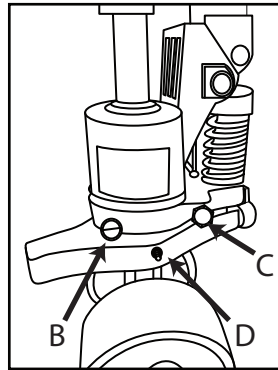


FIG 11

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

TROUBLESHOOTING

TROUBLE	PROBABLE 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.
Fork does not lower.	Oil leakage from each valve.	Tighten plug of each valve.
	Relief cam or chain element broken.	Replace affected element.
	Relief cam nut out of adjustment.	Refer to "Adjusting Relief Cam."
Lever does not set at Up-Load.	Broken fork rods and linkage.	Inspect linkages for breaks or cracks. Replace elements as needed
	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 Sumner Repair Facilities.

SPECIFICATIONS

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

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

WARRANTY ON SUMNER EQUIPMENT

What Does This Warranty Cover?

Limited Lifetime Warranty on Sumner Equipment

Under Sumner's Equipment Limited Lifetime Warranty, Sumner Manufacturing Co., LLC warrants that all Sumner Equipment will be free from manufacturer defects for a Limited Lifetime except for moving parts deemed consumables from the date of the original end user's purchase. Products deemed as consumable products, components and parts such as steel cables, rollers, bearings, wheels, lift mast sections components are excluded from this Limited Lifetime Warranty and are subject to One -Year Limited Warranty terms. Sumner electrical components are excluded from this Limited Lifetime Warranty and are subject to One -Year Limited Warranty terms. Under this Limited Lifetime Warranty, the following are also excluded, and Sumner will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Sumner's Equipment products that have been modified by any party other than Sumner or its authorized third-party designee. This Limited Lifetime Warranty is not transferrable to or enforceable by any person other than the product's original end user.

Three-Year Limited Warranty on Pallet Jacks and Hydraulic Tools

Under Sumner's 3-Year Limited Warranty, Sumner Manufacturing Co., LLC warrants that all Sumner Pallet Jacks and Hydraulic Tools will be free from manufacturer defects for a period of three (3) years from the date of the original end user's purchase. Under this Three-Year Limited Warranty for Pallet Jacks and Hydraulic Tools, the following are excluded and Sumner Manufacturing Co., LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Pallet Jacks and Hydraulic Tools that have been modified by any party other than Sumner Manufacturing Co., LLC or its authorized third-party designee. This 3-Year Limited Warranty is not transferrable to or enforceable by any person other than the product's original end user.

One-Year Limited Warranty on All Products

Under Sumner's 1-Year Limited Warranty, Sumner Manufacturing Co., LLC warrants that all products will be free from manufacturer defects for a period of one-year from the date of the original end user's purchase. Under this 1-Year Limited Warranty, Sumner Manufacturing Co., LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Sumner Equipment that has been modified by any party other than Sumner Manufacturing Co., LLC or its authorized third-party designee. This 1-Year Limited Warranty is not transferable to or enforceable by any person other than the product's original end user.

Exclusion of Incidental, Consequential, Indirect, Special and Punitive Damages

SUMNER MANUFACTURING CO. LLC MAKES NO WARRANTY THAT SUMNER MANUFACTURING CO. LLC PRODUCTS WILL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUMNER MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, OTHER THAN THE RELEVANT WARRANTY SPECIFICALLY SET FORTH IN THIS WARRANTY SECTION. SOUTHWIRE WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES FOR ANY BREACH OF THIS LIMITED LIFETIME WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty Claim Information/How Do You Get Service?

For all warranty, customer service, and product return authorizations and inquiries, please contact Sumner at:

Sumner Manufacturing Co., LLC
7514 Alabonson Road
Houston, Texas 77088
Phone Number: 1.281.999.6900

Sumner – Canada
75 Saltman Drive, Unit 5
Cambridge, Ontario N3H 4R7
Phone Number: 1.519.651.5300

Sumner – U.K.
Unit 3 Kepton Road
Keytec 7 Business Park
Pershore Worcestershire
WR10 2TA, UK
Phone Number: +44 (0) 1386 556278

Sumner – Netherlands
Handelsweg 26
3881LS Putten
The Netherlands

Phone Number: +31 (0) 85 489 0284

1. All warranty claims must be approved by Sumner's Warranty Department prior to return of product. If Sumner determines that a product is defective, Sumner will, at its option, repair or replace defective products or defective product components, free of charge.
2. Upon approval, Sumner will issue a Product Return Authorization Form which will include instructions on how and where to return the product. **The product serial number and the original date of delivery must be set forth on the Product Return Authorization Form.**
3. Sumner will cover standard freight charges (Courier Ground rate) incurred in connection with products that Sumner ultimately determines to be defective.
4. All defective components and defective products that Sumner replaces under these Warranties will become Sumner's property and will be retained by Sumner.

Repair Your Product When it is Out of Warranty

Sumner is happy to provide information about where a purchaser can send a product for repair at consumers' own expense, please contact 1.281.999.6900 or visit www.sumner.com for more information about servicing for Sumner Products.