

OWNER'S MANUAL

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PRESS SPECIFICATIONS

Sunex Part No. - 57100AHA

Overall Height: 78.25"	Ram Stroke: 7"
Overall Width: 51"	Pin Diameter and Length: 1.25" x 20"
Frame Width: 47"	Motor Control: HASKEL AIR
Inside Throat Width: 36"	Includes PB Winch
Effective Throat Height: 6.5" to 49.25"	Includes Sliding Head
Effective Bed Depth Opening: 12.25"	Includes Press Plate
Press Feet Length: 48"	

WARNING INFORMATION



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS.

It is the responsibility of the owner to make sure all personnel read this manual prior to using the device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Sunex for replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

THE NATURE OF HAZARDOUS SITUATIONS

WARNING

The use of shop presses and their accessories is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of the equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Examples of hazards are components being pressed and breaking resulting in flying parts that are not secured from hitting the operator, the set up in the press is not secure, guards, shields or protective blankets are not used, improperly securing adjustments on the press, overloading and off-center loads.

METHODS TO AVOID HAZARDOUS SITUATIONS

WARNING

- Read, study, understand and follow all instructions before operating this press.
- Always wear safety goggles and use employer supplied personal protective equipment (users and bystanders).
- Parts being pressed may splinter, shatter, or be ejected from the press at a dangerous rate of speed. Because there are a variety of press applications, it is the responsibility of the press owner to provide adequate guards, eye protection and protective clothing to the press operator.
- Visual inspection of the press should be made before use, checking for signs of cracked welds, bent bed pins, loose or missing bolts, leaks, or any other structural damage. Corrections must be made before using the press.
- Do not go near leaks. High pressure hydraulic fluid can puncture skin and cause serious injury, gangrene, or death. If injured, seek emergency medical help as immediate surgery is required to remove the fluid.
- Prior to use make sure the press is securely anchored to a concrete floor.
- Keep hands, arms, feet, and legs out of work area. Accidental slippage can result in personal injury.
- Always use an accurate force gauge to measure pressing force.
- Do not exceed the rated capacity or tamper with the pressure/force settings. When attachments and adapters are used the rated capacity of the system shall be no greater than the rated capacity of the lowest rated component or combination of components that make up the system.
- Avoid off-center loads. Offset loads can damage ram and may cause load to eject at a dangerous rate of speed. Do not use any spacer or extender between the press ram plunger and the item being pressed. If there is not enough ram stroke, adjust the height of the movable bolster.
- Remove all loads from movable bolster before attempting to adjust bolster height. Beware of possible falling bolster.
- Press only on loads supported by movable bolster and press plates included. Do not support loads on floor or press frame legs.
- When using any accessories such as press plates or arbor plates, be certain they are centered on the movable bolster and in full contact with both sides of the bolster.
- Before applying load, be certain all movable bolster supporting pins are fully engaged. Verify lift cables (if equipped) are slack before pressing on the bolster.
- Always use a bearing shield when pressing bearings.
- Use caution when positioning work to be pressed to ensure the item to be pressed cannot be ejected at a dangerous rate of speed.
- Release hydraulic pressure before loosening any fittings.
- Maintain proper hydraulic fluid levels.
- Do not make any alterations to the press.
- Failure to heed and understand these markings may result in serious or fatal personal injury and/or property damage.



WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CONSEQUENCES OF NOT AVOIDING HAZARDOUS SITUATIONS

WARNING

Failure to read this manual completely and thoroughly, failure to understand its OPERATING INSTRUCTIONS, SAFETY WARNINGS, MAINTENANCE INSTRUCTIONS and comply with them, and failure to comply with the METHODS TO AVOID HAZARDOUS SITUATIONS could cause accidents resulting in serious or fatal personal injury and/or property damage.

SPECIFICATIONS & OPERATING INSTRUCTIONS

AIR SUPPLY

3/8" line, 90-125 max psig recommended for best operation.

FLUID LEVELS

Use AW-32 hydraulic oil ONLY and fill to level indicated on tank (just below fill plug).

WATER FILTER

Empty water and replace filter as recommended in manufacturer's instructions.

Note:

- RETAIN THIS MANUAL FOR FUTURE REFERENCE.
- RETAIN AIR MOTOR AND WINCH MANUALS FOR FUTURE REFERENCE.
- REFER TO AIR MOTOR MANUAL FOR MAINTENANCE INSTRUCTIONS.

CAUTION

Excess moisture in air supply can shorten air motor life and cause erratic operation.

SLIDING HEAD

Ram can be moved from left to right.

CAUTION

Do not attempt to move ram while press is in operation.

OPERATING INSTRUCTIONS

CAUTION

Remove all items from press bed before operating winch.

WARNING

Do not operate press without all press bed pins in place. The winch and winch cable are designed to support the weight of the press bed only. Using the press without the pins in place can result in damage to the press, personal injury, or death.

TO RAISE OR LOWER PRESS BED

- Once press bed has been positioned and all pins are in place, release tension on cable so press bed is supported entirely by the press pins.
- Move winch handle toward back of press to lower bed.
- Move winch handle toward front of press to raise bed.

TO RETRACT RAM

1. Open release valve by turning counter-clockwise.
2. Move control valve handle to extreme right.

TO LOWER RAM

1. Move control valve handle to the left.

TO CONTROL RAM SPEED

- Open release valve for faster ram speed.
- Close release valve when ram contacts work surface.
- Ram will not apply pressure until release valve is closed.

Keep air control valve handle in center position when press is not in use.

CAUTION

Do not leave air supply connected when press is not in use. Pressure will force oil into air lines and air motor.

WARNING

Do not overextend ram. This device is equipped with a safety release valve; however, overextending the ram can result in damage to equipment, personal injury, or death.

NOTES

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INSPECTION

Visual inspection of the shop press should be made before each use of the press, checking for damaged, loose or missing parts. Each press must be inspected by a manufacturer's repair facility immediately, if subjected to an abnormal load or shock. Any press which appears to be damaged in any way, is found to be badly worn, or operates abnormally must be removed from service until necessary repairs are made by a manufacturer's authorized repair facility. It is recommended that an annual inspection of the press be made by a manufacturer's authorized repair facility and that any defective parts, decals or warning labels be replaced with manufacturer's specified parts. A list of authorized repair facilities is available from the manufacturer.

SAFETY INSTRUCTIONS

- CHECK YOUR LOCAL, STATE AND FEDERAL REGULATIONS REGARDING THE SAFE USE OF THIS EQUIPMENT.
- Your safety is top priority. Please handle equipment with care.
- Fully retract unit and remove all items from the press bed frame.
- Support the press bed, and remove the pins.
- Raise or lower bed to desired height and reinstall press pins. Be certain pins are fully engaged in the parallel flanges of the upright columns.
- Position press on a flat, level, hard surface, preferably concrete. Make sure all nuts and bolts are tight.
- Clear the area of bystanders, especially small children, before using.
- Set the press bed to the required height. The press is most effective when the work piece is located 1 inch below the ram's retracted position. The compression stroke can include the entire 5 inch working range.
- The press is designed to exert a force on anything which is positioned beneath its ram. The work piece can pop out from under the ram at a high rate of speed and injure someone.
- Pressing Bearings: It is essential that you use the bearing shield when pressing bearings on or off.

LIMITED WARRANTY

SUNEX INTERNATIONAL, INC. WARRANTS TO ITS CUSTOMERS THAT THE COMPANY'S SUNEX TOOLS[®] BRANDED PRODUCTS ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS.

Sunex International, Inc. will repair or replace its Sunex Tools[®] branded products which fail to give satisfactory service due to defective workmanship or materials, based upon the terms and conditions of the following described warranty plans attributed to that specific product.

This product carries a ONE-YEAR warranty. During this warranty period, Sunex Tools will repair or replace at our option any part or unit which proves to be defective in material or workmanship.

Other important warranty information

This warranty does not cover damage to equipment or tools arising from alteration, abuse, misuse, damage and does not cover any repairs or replacement made by anyone other than Sunex Tools or its authorized warranty service centers. The foregoing obligation is Sunex Tools' sole liability under this or any implied warranty and under no circumstances shall we be liable for any incidental or consequential damages.

NOTE: 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.

Return equipment or parts to an authorized service center, transportation prepaid. Be certain to include your name and address, evidence of the purchase date, and description of the suspected defect. If you have any questions about warranty service, please write to Sunex Tools. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Repair kits and replacement parts are available for many of Sunex Tools products regardless of whether or not the product is still covered by a warranty plan.

SHIPPING ADDRESS:

Sunex Tools
315 Hawkins Rd.
Travelers Rest, South Carolina 29690

MAILING ADDRESS:

Sunex Tools
P.O. Box 1233
Travelers Rest, South Carolina 29690

PARTS DIAGRAM

FRONT VIEW

LIQUID FILLED GAUGE (#7)

SLIDING HEAD

WINCH (#4)

RAM CYLINDER (#8)

PRESS PIN (#1)

PRESS PIN (#1)

AIR CONTROL VALVE (#3)

AIR SUPPLY

WATER FILTER

RELEASE VALVE

AIR EXHAUST VALVES

FLUID LEVELS

BACK VIEW

RAM EXTENSION LINE

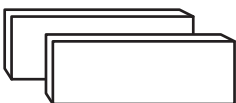
BYPASS LINE

AIR MOTOR (#2)

RAM RETURN LINE

RELEASE VALVE

PRESS PLATES (#5)



PUSHING ADAPTER (#6)

SIDE VIEW

RELEASE VALVE

ITEM NO.	SUNEX PART NO.	DESCRIPTION	QTY.
1	RS10020PP	20" Press Pin (100 Ton Press)	6
2	RS150AM	Air Motor	1
3	RS150CV	Rexroth Control Valve	1
4	RS150W	Winch (only)	1
5	RS571005PP	Press Plate (2" x 4" x 20")	2
6	RS571003PA	Pushing Adapter (3" Diameter)	1
7	57100LFG	Liquid Filled Gauge	1
8	RS57100RC	Ram Cylinder	1
N/A	RS57100AHAPLK	Product Label Kit	