



PROFESSIONAL LIFTING & SERVICE EQUIPMENT

OPERATING INSTRUCTIONS - 135 35 Ton Shop Press

IMPORTANT: READ THESE INSTRUCTIONS AND ALL WARNINGS PRIOR TO USING THIS EQUIPMENT. UNDERSTAND ALL OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE AN ACCIDENT RESULTING IN SERIOUS OR FATAL INJURY AND/OR PERSONAL PROPERTY DAMAGE.

WARNING

The use of shop equipment is subject to certain hazards that cannot be prevented by mechanical means, but only by exercise of intelligence, care, and common sense. It is therefore essential to have personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of this equipment and its proper use. Examples of hazards are dropping, tipping, or slipping of parts/components caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, and using equipment for a purpose for which it was not designed.

The owner and / or operator shall study and understand the product and safety instructions before operating this equipment. Safety information shall be emphasized and understood. 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 their contents. **A copy of these instructions / warnings shall be retained for future reference.**

INSPECTION

Visual inspection shall be made before each use of this equipment, checking for abnormal conditions, such as cracked welds, leaks, damaged, loose or missing parts. This equipment shall be removed immediately from service if it is believed to have been subjected to an abnormal or shock load, the equipment shall be inspected by a qualified repair facility. Owners and / or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that this equipment be inspected annually by a qualified repair facility. Defective parts, decals, safety labels or signs should be replaced with Strongarm specified parts.

WARNING

- When using various shop equipment, basic safety precautions should always be followed.
- Keep work area clean and free from debris.
- Keep children away from work area and shop equipment. Keep hands and feet from loading area.
- Always wear protective eyewear during press operation. If possible position press in an isolated area and shield it to prevent possible injury to others.
- Ensure press is stable and that the components to be pressed shall be well supported and aligned to prevent slippage and breaking. Make sure press bed pins are inserted in the upright frame holes all the way and the pins are fully supporting the press bed channel flanges before pressing.
- Some parts being pressed may have a tendency to pop out of the press or explode under pressure. Parts being pressed should be shielded against shattering under pressure.
- The press is designed for pressing, bending and straightening purposes only.
- Do not exceed the rated capacity of the press. Never apply excessive force to a work-piece and always use a force gauge to accurately determine the applied load.
- Check press for loose or damaged parts before each operation. Replace damaged parts and tighten all loose bolts before operating.
- Never leave loaded press unattended.
- Ensure the user is familiar with the controls and operational characteristics of this product and aware of the potential hazards associated with its use.
- No alterations shall be made to this product.
- Failure to heed these instructions may result in personal injury and/or property damage.

MAINTENANCE

Use a good grade of hydraulic jack oil. Never mix different types of fluid. **DO NOT USE** transmission fluid, motor oil, turbine oil, glycerin or similar products. Use of other than a good quality Hydraulic Jack Oil will likely result in load bearing seal failure which will cause sudden and unexpected loss of pressure to ram.



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ASSEMBLING

Minor assembly of this unit is needed. Use the parts drawing as your guide to assembly. Lay all parts and assemblies out in front of you before beginning. We recommend the following procedure:

1. Attach right and left base supports (# 6), to the bottom of right and left legs (# 8), using bolts, nuts and washers supplied (#'s, 3,4,5)
2. **Carefully slide bed frame section down, into its fully lowered position between the left and right upright channels.**
3. Remove pump assembly (# 11) from inside of right leg and re-attach to outside of right leg, ensure hoses are free and clear of any pinch points.
4. Tighten all applicable nuts, bolts, assemblies.

Caution: Before disassembly, carefully slide bed frame section down, into its fully lowered position.

OPERATING

1. Support the press bed and pull out the two support pins (# 10) from the right and left legs completely. Adjust to proper height. Reinsert the two support pins (# 10) COMPLETELY into the two nearest front/back holes in the left and right legs. **Caution: Always visually check to make sure the Support Pins are reinserted all the way through the front and back holes in each upright.**
2. Place the two arbor plates (# 9) evenly and centered on the press table (# 7).
3. Place the workpiece to be pressed evenly and centered on the two arbor plates (# 9). If necessary, secure the workpiece and the arbor plates to the press table (# 7).
4. Make sure the Oil Control Valve (# 10) is turned all the way clockwise.
5. Connect the compressed air supply hose to the supply line. Set the supply line air pressure to no more than 100 PSI maximum.
7. NOTE: The shop press features a fast pump (# 21) and a slow pump (# 16). The fast pump core allows the pressure head to make contact with the workpiece quickly. Whenever possible, it is recommended that the slow pump (# 16) be used.
8. To lower the pressure head to the workpiece, depress the air valve, or manually pump the slow or fast pump. Once satisfied that the workpiece being pressed is centered and secure, continue pumping the slow pump until pressing operation is complete. **CAUTION: VISUALLY CHECK THE PRESSURE GAUGE (# 17) SO AS TO NOT EXCEED THE MANUFACTURER'S RECOMMENDED PRESSING CAPACITY ON THE WORKPIECE FOR WHICH YOU ARE PRESSING.**
9. To release pressure from the workpiece and retract the pressing head, turn the Oil Control Valve (# 10) counterclockwise.
10. Disconnect air valve from air source.
11. Remove workpiece

Safety Message: Projectile Hazard! Never stand directly in front of loaded press. Ensure that work-piece is center-loaded and secure. Reduce risk of flying debris by carefully following all operating instruction. Know your press and the hazards associated with its use. Keep hands and feet from bed area at all times.

1. Insert work-piece into bed frame, using every precaution necessary to ensure your safety and prevent property damage. Position the work-piece in a manner which will not allow it to inadvertently fall from bed.
2. Locate and close release valve by turning it clockwise firmly, until tight.
3. Insert operating handle into handle sleeve and pump until ram nears work-piece.
4. Align ram and work-piece to ensure center-loading.
5. Apply load to work-piece by pumping handle. **Do not overload work-piece.**
6. Remove load from work-piece by turning release valve counterclockwise. **Stabilize work-piece in a manner which will not allow it to inadvertently fall from the bed once the load is removed.**
7. Once ram has fully retracted, remove work-piece.

AIR PURGE

Sometimes during shipment and handling, air will get into the hydraulic system causing poor lifting performance. To purge any air from the system, fully open the release valve by turning handle counter clockwise 1 1/2 to 2 turns. Then, while holding the saddle down, operate the pump handle approximately 12 times. Release pressure on saddle and continue to pump while closing release valve. Raise unloaded jack to maximum height and release. Jack will return to lowered position and will be ready for operation.