



2 TON CHERRY PICKER SHOP CRANE

ITEM# 50377



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER

FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.4900

SAFETY WARNINGS

WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warning and safety instructions in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

1. Do not overload the engine crane. This can lead to damage or failure of the crane. The maximum loading capacity is 2 t.
2. Never use the crane on an uneven surface as this can result in the crane tipping over.
3. Always lock the legs and boom securely in position before lifting a load.
4. All the nuts and screws supplied along with the engine crane are of high strength and should not be substituted with inferior ones.
5. Before each use, make sure that all nuts and screws are correctly and securely tightened.
6. Never exceed the safe working loads indicated on the boom of the crane.
7. Do not adjust the relief valve.
8. When moving the crane, always work with a second person. One person should hold and balance the crane.
9. Do not leave the crane unattended when loaded.
10. Do not make any modifications to the tool.
11. Stop and release compression if you suspect imminent structural failure.
12. Only use identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

Failure to follow these instructions could result in damage to the load being lifted or the tool, and/or personal injury.


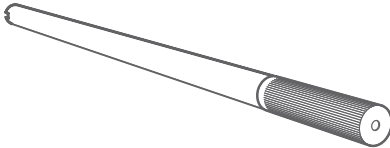
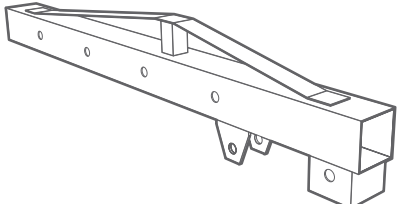
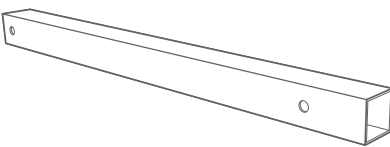
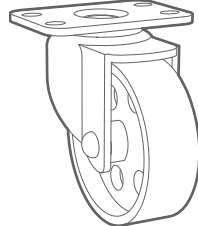
TECHNICAL DATA

Whilst every effort has been made to ensure the accuracy of the detailed information provided in this manual, Stark Group LLC., reserves the right to make changes to the technical information of the product without notice.

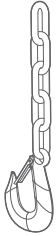
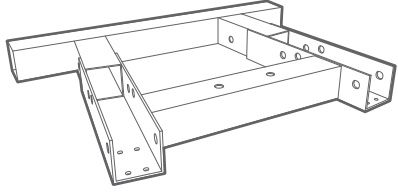
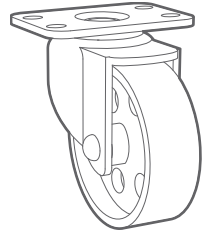
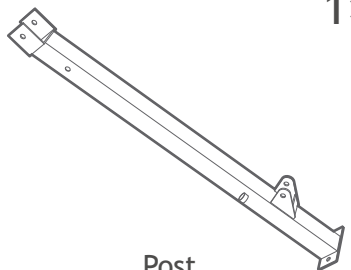
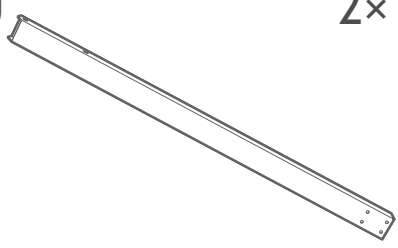
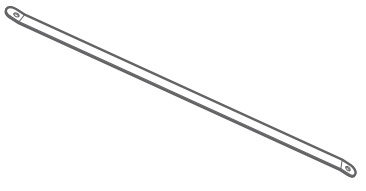
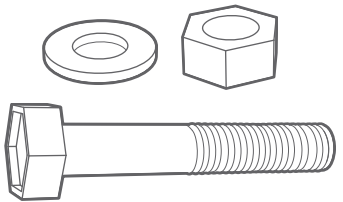
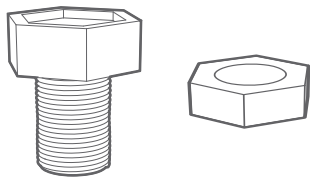
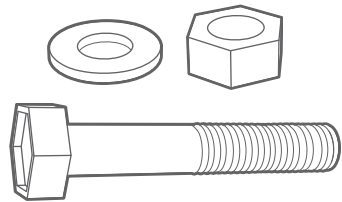
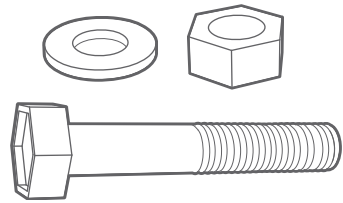
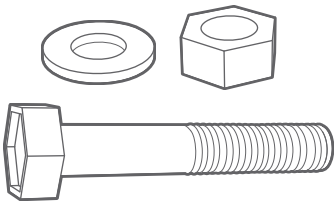
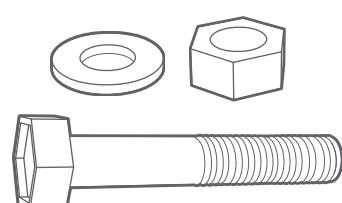
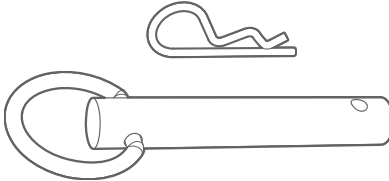
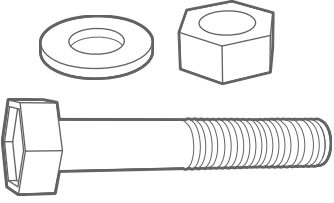
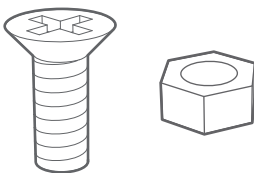
Loading capacity	2 t
4 adjustable positions	1100, 2200, 3300, 4400 lbs
Dimensions (assembly finished)	65 × 39 × 61 in
Dimensions (folded)	21 × 24 × 58 in
Max. lifting height (with min. boom ext.)	69 in
Max. lifting height (with max. boom ext.)	83 in
Length of boom (position 1)	42 in
Length of boom (position 2)	49 in
Length of boom (position 3)	56 in
Length of boom (position 4)	63 in
Net Weight	154 lbs

The above technical information should be taken as a reference only, the detailed information of the actual product shall prevail.

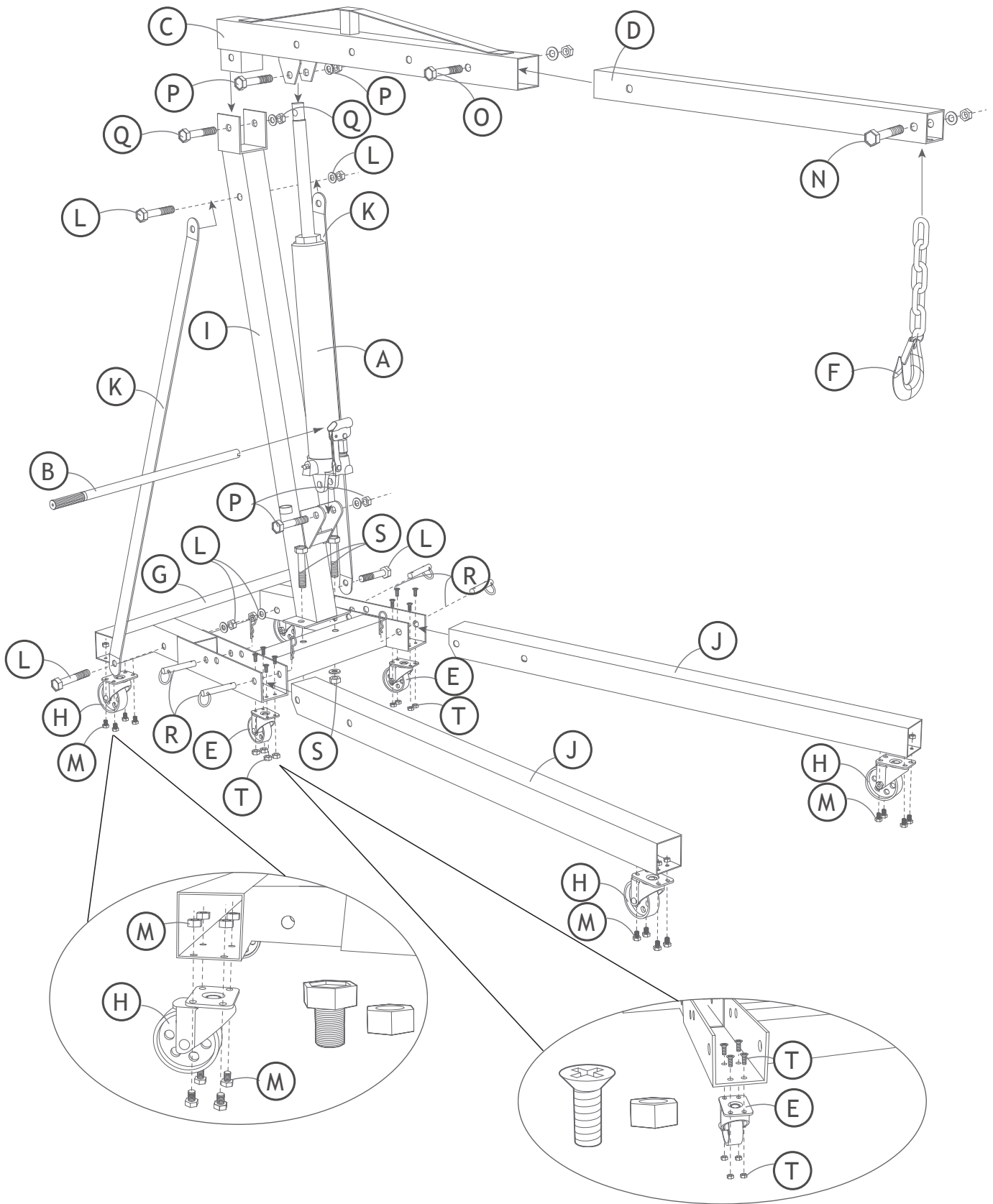
PARTS LIST

<p>A 1×</p>  <p>Hydraulic cylinder</p>	<p>B 1×</p>  <p>Handle</p>	<p>C 1×</p>  <p>Boom</p>
	<p>D 1×</p>  <p>Boom extension</p>	<p>E 2×</p>  <p>3" Swivel caster</p>

PARTS INFORMATION

<p>F 1×</p>  <p>Chain and hook</p>	<p>G 1×</p>  <p>Base</p>	<p>H 4×</p>  <p>3.5" Swivel caster</p>
<p>I 1×</p>  <p>Post</p>	<p>J 2×</p>  <p>Leg</p>	<p>K 2×</p>  <p>Support</p>
<p>L 3×</p>  <p>Screw (M16 × 90)</p>	<p>M 16×</p>  <p>Screw (M8 × 12)</p>	<p>N 1×</p>  <p>Screw (M12 × 75)</p>
<p>O 1×</p>  <p>Screw (M14 × 90)</p>	<p>P 2×</p>  <p>Screw (M16 × 75)</p>	<p>Q 1×</p>  <p>Screw (M16 × 120)</p>
<p>R 4×</p>  <p>Locking pin set (Q16 × 100)</p>	<p>S 2×</p>  <p>Screw (M14 × 90)</p>	<p>T 8×</p>  <p>Screw (M8 × 12)</p>

ASSEMBLY



ASSEMBLY

Note: When assembling the item, screw on the nuts and screws on by hand at first. Once the entire item has been assembled, fully tighten all the nuts and screws.

1. Attach the two 3” swivel casters (E) to the base (G) using screws and nuts (T). Then attach two 3.5” swivel casters (H) to the base using nuts and screws (M).
2. Attach one 3.5” swivel caster to the left leg (J) with screws and nuts (M). Then insert the leg to the base and secure in position with two locking pins (R). Repeat the same operation for the right leg (J).
3. Attach the post (I) to the base using screws and nuts (S). Then strengthen the post in position by installing two supports (K) to the base and the post with nuts and screws (L).
4. Now secure the boom (C) to the post using the nut and bolt (Q).
5. Attach the hydraulic cylinder (A) to the post using the nut and bolt (P). Then secure the ram of the hydraulic cylinder to the boom using the nut and bolt (P).
6. Slide the boom extension (D) into the boom (C) and secure it in one of the four positions of the boom with the screw (O).
7. Attach the chain and the hook (F) to the boom with the screw (N).
8. Insert the handle (B) into the pump sleeve of the hydraulic cylinder.
9. Fully tighten all nuts and screws.

USAGE

Warning:

- This engine crane is designed for lifting purposes only and not for supporting loads.
- Do not attempt to lift a load which exceeds the rated capacity of the crane.

Important:

It is possible that air can get into the hydraulic system, causing a poor lifting performance of the crane. With the help of the handle, fully open the release valve of the hydraulic cylinder by turning counterclockwise to allow excess air to escape from the system. Then insert the handle into the pump sleeve and operate it rapidly several times while you are holding the boom down.

To raise a load

1. Close the release valve of the hydraulic cylinder by turning clockwise with the slotted end of the handle. Do not overtighten.
2. Insert the handle into the pump sleeve and pump up and down repeatedly to lift the load to your desired height.

To lower a load

Slowly open the release valve by turning counterclockwise with the slotted end of the handle. The speed of lowering the load is controlled by how much you turn the handle.

MAINTENANCE

- When adding or replacing oil for the engine crane, always use a high quality hydraulic jack oil.
- Avoid mixing different types of oil. Do not use brake fluid, alcohol, glycerin or dirty oil. Improper fluid can cause serious internal damage to the hydraulic system.
- When adding oil for the hydraulic cylinder, be careful not to allow dirt or foreign objects to get into the system.
- Check the hydraulic cylinder, especially the ram, every three months for signs of rust or corrosion. Wipe clean with an oily cloth as needed.
- When not in use, always fully lower the boom to its lowest position.

Storage

When not in use, store the engine crane out of the reach of children.

1. Before storing the engine crane, fully retract the boom extension and lower the boom to its lowest position.
2. Remove two of the locking pins (R) from the front holes of both legs, leaving the other two locking pin sets in the rear holes. Then raise up the two legs until they are capable of leaning against the two supports separately and securely.
3. Place the removed locking pins back to the holes of the base for safe storage.

Note: Failure to follow these instructions may cause the crane to fall over.

TROUBLESHOOTING

Problem	Possible reason	Solution
The crane cannot lift a load.	<ol style="list-style-type: none"> 1. Excess air in the hydraulic system. 2. Low oil level. 3. The release valve is not tightened securely. 4. The load exceeds the rated capacity of the tool. 	<ol style="list-style-type: none"> 1. Deflate the excess air in the hydraulic system. 2. Top up the hydraulic cylinder as needed. 3. Tighten the release valve securely. 4. Do not lift the load.
The crane cannot reach its max. lifting height (or poor lifting performance).	<ol style="list-style-type: none"> 1. The hydraulic cylinder has been overfilled. 2. Low oil level. 3. Sealing components of the hydraulic system has been worn out. 4. Excess air in the hydraulic system. 	<ol style="list-style-type: none"> 1. Check for proper oil level. 2. Top up the hydraulic cylinder as needed. 3. Have a qualified professional replace the sealing components. 4. Deflate the excess air in the hydraulic system.
The ram of the hydraulic cylinder cannot lower completely.	<ol style="list-style-type: none"> 1. Excess air in the hydraulic system. 2. Lack of lubrication. 	<ol style="list-style-type: none"> 1. Deflate the excess air in the hydraulic system. 2. Apply the correct lubricant to the moving parts of the tool.

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

The material in this manual is for informational purposes only. The product(s) it describes are subject to change without prior notice, due to the manufacturer's continuous development program. XtremePowerUS makes no representations or warranties with respect to this manual or with respect to the products described herein. XtremePowerUS shall not be liable for any damages, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the use of this material or the products described herein.

Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



Call Us: 909.628.4900

Email Us: info@starktoolsusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

MADE IN CHINA