

## SPECIFICATION

Max. Capacity.....	4000LB
Lifting capacity position 1.....	4000LB
Lifting capacity position 2.....	3000LB
Lifting capacity position 3.....	2000LB
Lifting capacity position 4.....	1000LB

### ⚠ WARNING

- ⚠ **WARNING:** Do not overload. Overloading could cause damage or failure of the engine hoist.
- ⚠ **WARNING:** Never use the hoist on an uneven floor surface as this could result in the hoist tipping over.
- ⚠ **WARNING:** Always lock the legs and jib in position before lifting a load.
- ⚠ **WARNING:** The nuts and bolts supplied with the hoist are all high strength and should not be substituted for inferior types.
- ⚠ **WARNING:** Before each use ensure that all nuts and bolts are correctly fitted and tight.
- ⚠ **WARNING:** Never exceed the safe working loads indicated on the jib.
- ⚠ **WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN LOSS OF LOAD AND/OR PERSONAL INJURY OR DAMAGE TO PROPERTY.**

## OPERATING INSTRUCTIONS

⚠ **WARNING: THIS LONG RAM JACK IS DESIGNED FOR LIFTING PURPOSES ONLY-NOT FOR SUPPORTING LOADS.**

⚠ **WARNING: DO NOT LOAD BEYOND ITS RATED CAPACITY.**

⚠ **WARNING: IMPORTANT:** It is possible that air has got into the hydraulic system, causing poor lifting performance. Purge any air from the system by fully opening release valve (turn handle counterclockwise as shown), then while holding the boom down, operate pump handle rapidly several times.

### TO RAISE LOAD

Close release valve by turning ram bleeder **CLOCKWISE** to a **SNUG-TIGHT** position. (DO NOT OVERTIGHTEN).

### TO LOWER LOAD

Open release valve by turning handle **COUNTERCLOCKWISE** very slowly. The speed of lowering the load is controlled by how much you turn the hand.

⚠ **WARNING:** Front legs must always be locked in down position before applying load and/or raising boom.

## INSPECTION

1. Visual inspection should be made before each use of the engine hoist.
2. Any engine hoist which appears to be damaged in any way is found to be badly worn, or operated abnormally must be removed from service.
3. If the engine hoist is accidentally subjected to an abnormal load or shock, it must be inspected by the manufacturer immediately.
4. It is recommended that an annual inspection of the engine hoist be made and that any defective parts, decals, or warning labels be replaced with manufacturer's specified parts.

## ASSEMBLY INSTRUCTIONS

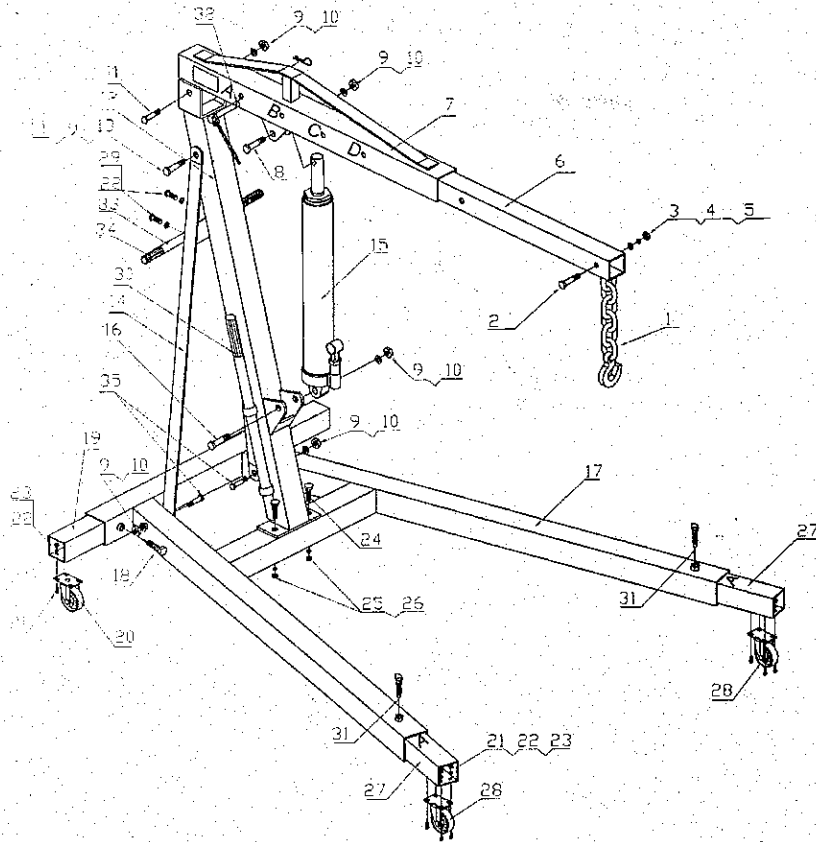
⚠ **WARNING:** During the assembly procedure, nuts and bolts should be hand tightened only. Once assembly is complete, nuts and bolts must be fully tightened.

1. Referring to the spare parts drawing, insert two front extension legs (#27) into the base frame (#17) and lock the legs in place using locking bolt (#31) as desired.
2. Insert two rear extension legs (#19) into the base frame (#17) and lock the legs in place using bolt (#18).
3. Attach the main support post (#12) to the base assembly (#17) using bolts (#24), nuts (#26) and flat washers (#25).
4. Now secure the boom (#7) to the main support post (#17) using bolt (#11), nut (#10) and flat washer (#9).
5. Attach support straps (#14) to top of main support post using bolt (#13), nut (#10) and flat washer (#9).
6. Attach support straps (#14) to the frame base using bolts (#35), nuts (#10) and flat washers (#9).
7. Connect bottom of ram unit (#15) to main support post (#12) using bolt (#16), nut (#10) and flat washer (#9).
8. While helper holds boom up. Connect top of hydraulic ram to boom using bolt (#8), nut (#10) and flat washer (#9).
9. Slide boom extension (#6) into the main boom (#7), secure in one of the four positions using lock pin (#32) and R pin.
10. **Tighten all nuts and bolts.**

## PARTS LIST

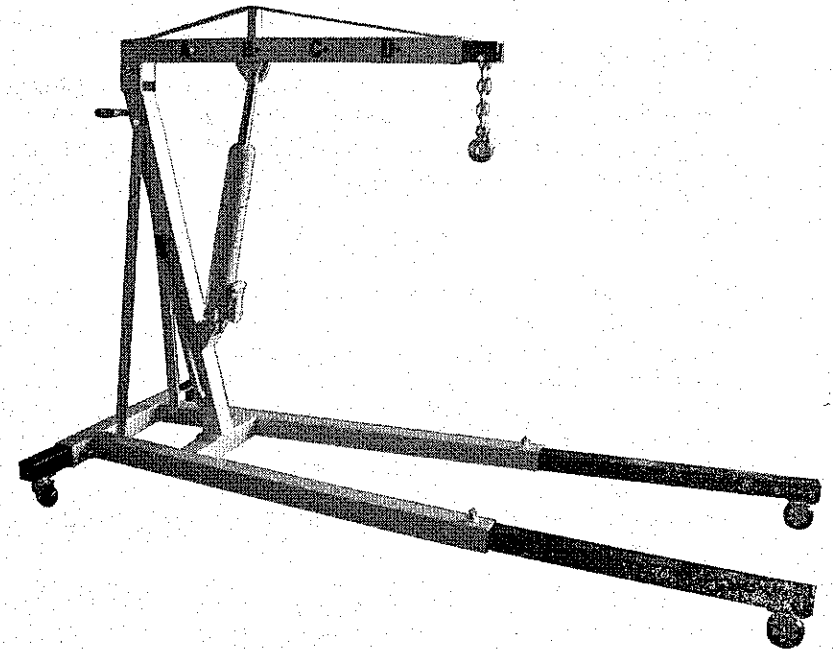
REF NO	DESCRIPTION	QTY	REF NO	DESCRIPTION	QTY
1	Chain & Hook Assembly	1	19	Rear Extension Leg	2
2	Bolt M12x80	1	20	3" Caster	2
3	Flat Washer Ø12	1	21	Bolt M8x20	16
4	Lock Washer Ø12	1	22	Lock Washer Ø8	18
5	Nut M12	1	23	Nut M8	16
6	Boom Extension	1	24	Bolt M14x100	2
7	Boom	1	25	Flat Washer Ø14	2
8	Bolt M16x80	1	26	Nut M14	2
9	Flat Washer Ø16	6	27	Front Extension Leg	2
10	Nut M16	6	28	3.5" Caster	2
11	Bolt M16x120	1	29	Bolt M8x16	2
12	Main Support Post	1	30	Jack Handle	1
13	Bolt M16x110	1	31	Lock Bolt	2
14	Strap	2	32	Lock Pin	1
15	8Ton Long Ram Jack	1	33	Handle	1
16	Bolt M16x90	1	34	Handle Cover	2
17	Base Frame	1	35	Bolt M16x100	2
18	Bolt M14x30	2			

**4000LB NON-FOLDING ENGINE HOIST**  
**PARTS DRAWING**



**4000LB NON-FOLDING**  
**ENGINE HOIST**

**Owners Manual and**  
**Operating Instructions**



**OWNER/OPERATOR RESPONSIBILITY**

1. It is the owner/operator responsibility to properly use and maintain this equipment.
2. The instructions and warning contained in this manual shall be read and understood by the owner/operator prior to operating this equipment.
3. If an owner/operator does not understand English, the contents of this manual shall be explained in the owner/operators native language to assure that the owner/operator comprehends.
4. The owner/operator shall retain this manual for future reference to important warnings, operating and maintenance instructions.

## LIMITED WARRANTY

Vestil Manufacturing Corporation (“Vestil”) warrants this product to be free of defects in material and workmanship during the warranty period. *Our warranty obligation is to provide a replacement for a defective original part if the part is covered by the warranty, after we receive a proper request from the warrantee (you) for warranty service.*

### Who may request service?

Only a warrantee may request service. *You are a warrantee if* you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

### What is an “original part”?

An original part is a part used to make the product as shipped to the warrantee.

### What is a “proper request”?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by any of the following methods:

Mail  
Vestil Manufacturing Corporation  
2999 North Wayne Street, PO Box 507  
Angola, IN 46703

Fax  
(260) 665-1339  
Phone  
(260) 665-7586

Email  
sales@vestil.com

In the written request, list the parts believed to be defective and include the address where replacements should be delivered.

### What is covered under the warranty?

After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil may require you to send the entire product, or just the defective part or parts, to its facility in Angola, IN. The warranty covers defects in the following *original* dynamic components: motors, hydraulic pumps, electronic controllers, switches and cylinders. It also covers defects in *original* parts that wear under normal usage conditions (“wearing parts”): bearings, hoses, wheels, seals, brushes, batteries, and the battery charger.

### How long is the warranty period?

The warranty period for original components is 30 days. The warranty period begins on the date when Vestil ships the product to the warrantee. If the product was purchased from an authorized distributor, the period begins when the distributor ships the product. Vestil may extend the warranty period for products shipped from authorized distributors by *up to* 30 days to account for shipping time.

### If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any *covered* part. An authorized representative of Vestil will contact you to discuss your claim.

### What is not covered by the warranty?

1. Labor;
2. Freight;
3. Occurrence of any of the following, which automatically voids the warranty:
  - Product misuse;
  - Negligent operation or repair;
  - Corrosion or use in corrosive environments;
  - Inadequate or improper maintenance;
  - Damage sustained during shipping;
  - Collisions or other incidental contacts causing damage to the product;
  - Unauthorized modifications: DO NOT modify the product IN ANY WAY without first receiving written authorization from Vestil. Modification(s) might make the product unsafe to use or might cause excessive and/or abnormal wear.

### Do any other warranties apply to the product?

Vestil Manufacturing Corp. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty.

