



VESTIL MANUFACTURING CORP.

2999 North Wayne Street, P.O. Box 507, Angola, IN 46703

Telephone: (260) 665-7586 -or- Toll Free (800) 348-0868

Fax: (260) 665-1339

www.vestilmfg.com e-mail: sales@vestil.com

AHA-KIT COME-ALONG KIT FOR HEIGHT ADJUSTMENT INSTRUCTION MANUAL



Receiving instructions:

After delivery, IMMEDIATELY remove the packaging from the Hook-Base in a manner that preserves the packaging and maintains the orientation of the product in the packaging; then inspect the product closely to determine whether it sustained damage during transport. **If damage is discovered during the inspection, immediately record a complete description of the damage on the bill of lading.** If the product is undamaged, discard the packaging.

NOTES:

- 1) Compliance with laws, regulations, codes, and non-voluntary standards enforced in the location where the product is *used* is exclusively the responsibility of the owner/end-user.
- 2) VESTIL is **not liable** for any injury or property damage that occurs as a consequence of failing to apply either:
 - a) Instructions in this manual; or b) information provided on labels affixed to the product. Neither is Vestil responsible for *any* consequential damages sustained as a result of failing to exercise sound judgment while assembling, installing, using or maintaining this product.

Table of Contents

Hazard identification: explanation of signal words.....	2
Safety Guidelines.....	2
Operation	3 - 4
Maintenance.....	4
Limited warranty.....	5

Hazard Identification--Explanation of SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood of personal injuries, as well as the probable seriousness of those injuries, if the product is misused in the ways described. Other signal words call attention to uses of the product likely cause property damage.

The signal words used appear below along with the meaning of each word:



Identifies a hazardous situation which, if not avoided, **WILL** result in **DEATH** or **SERIOUS INJURY**. Use of this signal word is limited to the most extreme situations.



Identifies a hazardous situation which, if not avoided, **COULD** result in **DEATH** or **SERIOUS INJURY**.



Indicates a hazardous situation which, if not avoided, **COULD** result in **MINOR** or **MODERATE** injury.



Identifies practices likely to result in product/property damage, such as operation that might damage the product.

Each person who assembles, installs, uses, or maintains this product should read the entire manual **in advance and fully understand the directions**. **If after reading the manual you do not understand an instruction, ask your supervisor or employer for clarification, because failure to adhere to the directions in this manual might result in serious personal injury.**

SAFETY GUIDELINES

Vestil diligently strives to identify foreseeable hazards associated with the use of its products. However, material handling is inherently dangerous and no manual can address every conceivable risk. The end-user ultimately is responsible for exercising sound judgment at all times.



DANGER Electrocuting might result if any part of the crane, come-along kit, hoist or load contacts electrified wires. Reduce the likelihood of electrocution by applying **common sense**:

- DO NOT *contact* electrified wires with any part of the crane, come-along, hoist or load;
- DO NOT adjust the height of your crane in a location where contact with electrified wires will or is likely to occur.



WARNING If this product is used improperly or carelessly, the operator and/or bystanders might sustain serious personal injuries. **ALWAYS** use the product properly:

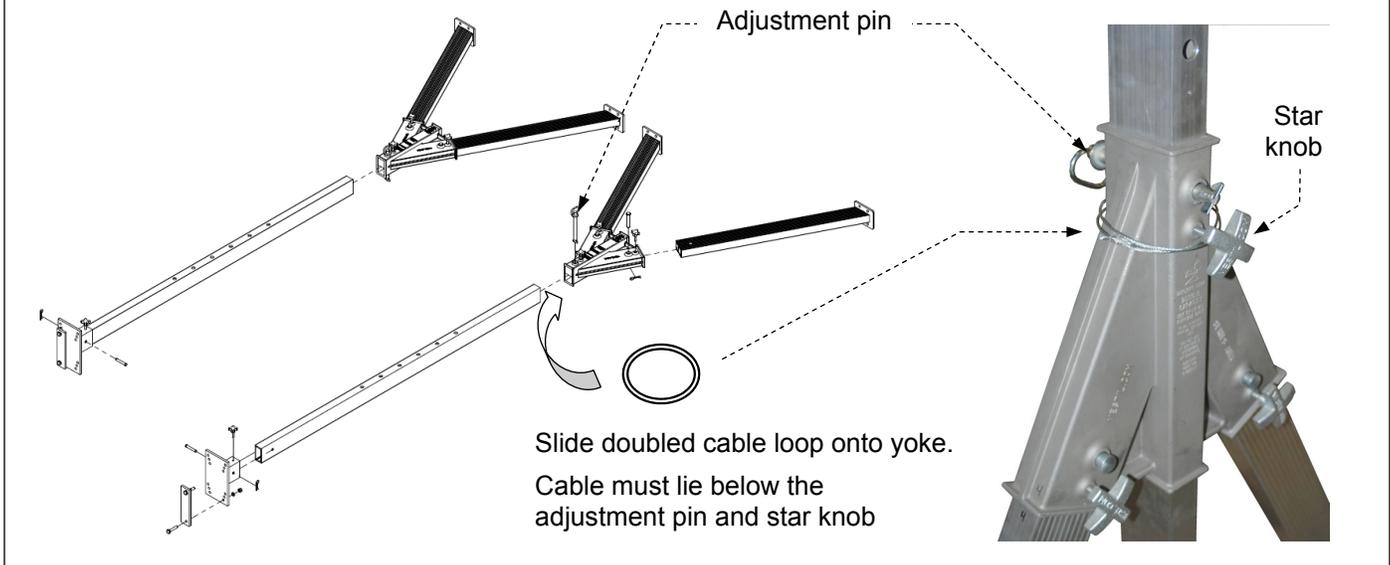
- **Failure to read and understand the entire manual before assembling, installing, using or servicing the product constitutes misuse.** Read the manual to refresh your understanding of proper use and maintenance procedures as necessary.
- **ONLY** use the components of the come-along kit to adjust the height of AHA and AHS series gantry cranes. **DO NOT** use the kit as a hoist or winch.
- **ONLY** use this kit to adjust the height of an unloaded crane. Disconnect all loads from the crane/hoist and either secure in a fixed position or remove the hoist before using the kit to adjust the height of your crane.
- Inspect the come-along and the cable loops before each use. **DO NOT** use this device if the inspection reveals structural damage. Examples of structural damage include: 1) fraying, stretching, tearing, etc. of the cable loops; 2) corrosion, severe wear, or other condition that affects the function or the integrity of the come-along. Immediately tag out the come-along and replace each part that fails to pass an inspection. **DO NOT** use the product until it is fully restored to normal condition. **ONLY** use manufacturer-approved replacement parts.
- **DO NOT** use the product if any unusual noise or movement is observed. If a malfunction occurs, remove the unit from service and notify your supervisor or maintenance personnel about the issue.
- **DO NOT** use the come-along in place of the height adjustment pins. The come-along is a means **ONLY** for adjusting the height of your crane. Complete the height adjustment and reinsert the pins
- **DO NOT** remove or obscure any label. All product labels must be readable and undamaged.
- **DO NOT** modify the any part of the come-along in any way **UNLESS** you first obtain written approval from Vestil. **Unauthorized modifications automatically void the limited warranty (see p. 5) and might make the come-along unsafe to use.**



- Proper use, maintenance, and storage are essential for this product to function properly.
- Always use this product in accordance with the instructions in this manual and consistent with any relevant training.
 - Store the come-along someplace where it will remain dry.
 - Periodically grease pivot points as needed to maintain smooth operation.

Operation:

1. Install the cable loops. The cable loops must be installed around the teletubes of your crane to provide the necessary upper attachment point for the come-along. Twist the cable loop into an "8" and fold the top of the 8 over onto the bottom part of the 8 (this will double loop the cable). Then slide the doubled loop onto the yoke as shown below, and assemble the crane according to the instruction manual.



2. Attach the come-along. Significant parts of the come-along are identified in FIG. 2A below. As depicted in FIG. 2B, attach the fixed hook to the cable loop; then attach the cable hook to the cable hook attachment bolt. Finally, attach the pulley hook to the base of the crane teletube. The pulley hook should attach to the short edge of the teletube, and the come-along should rest on the yoke in-line with the short side of the teletube.

FIG. 2A: Significant parts of come-along

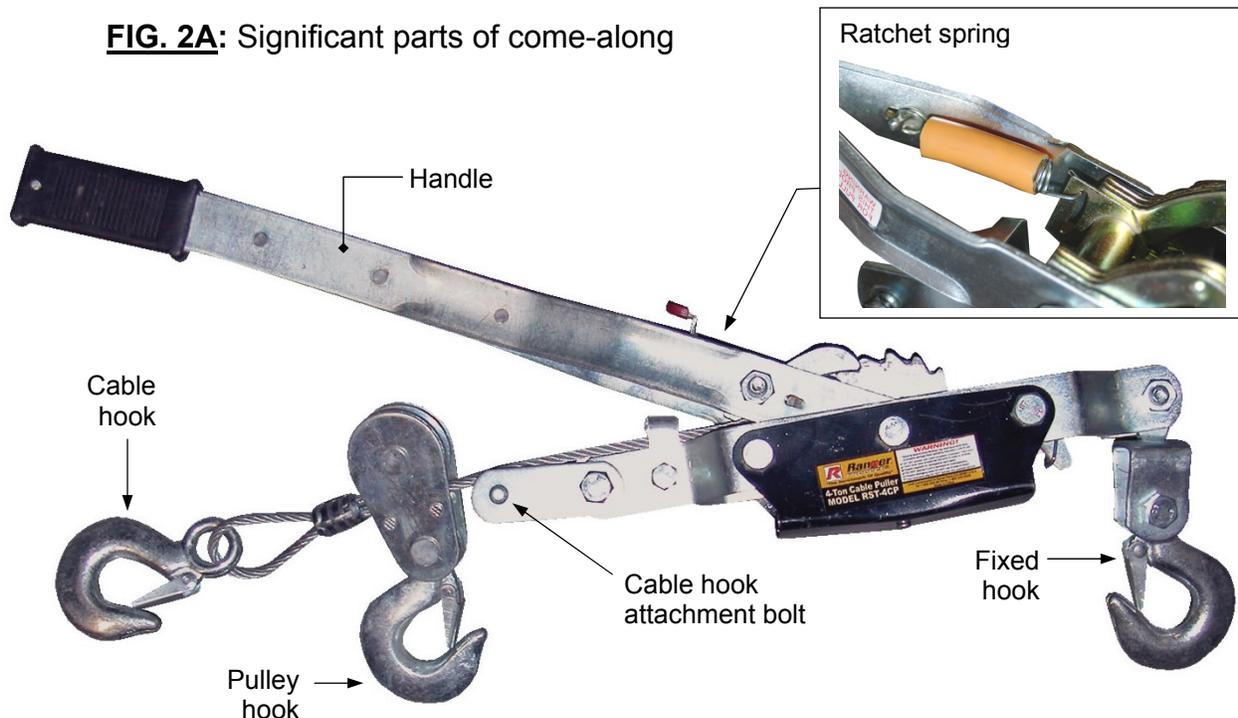
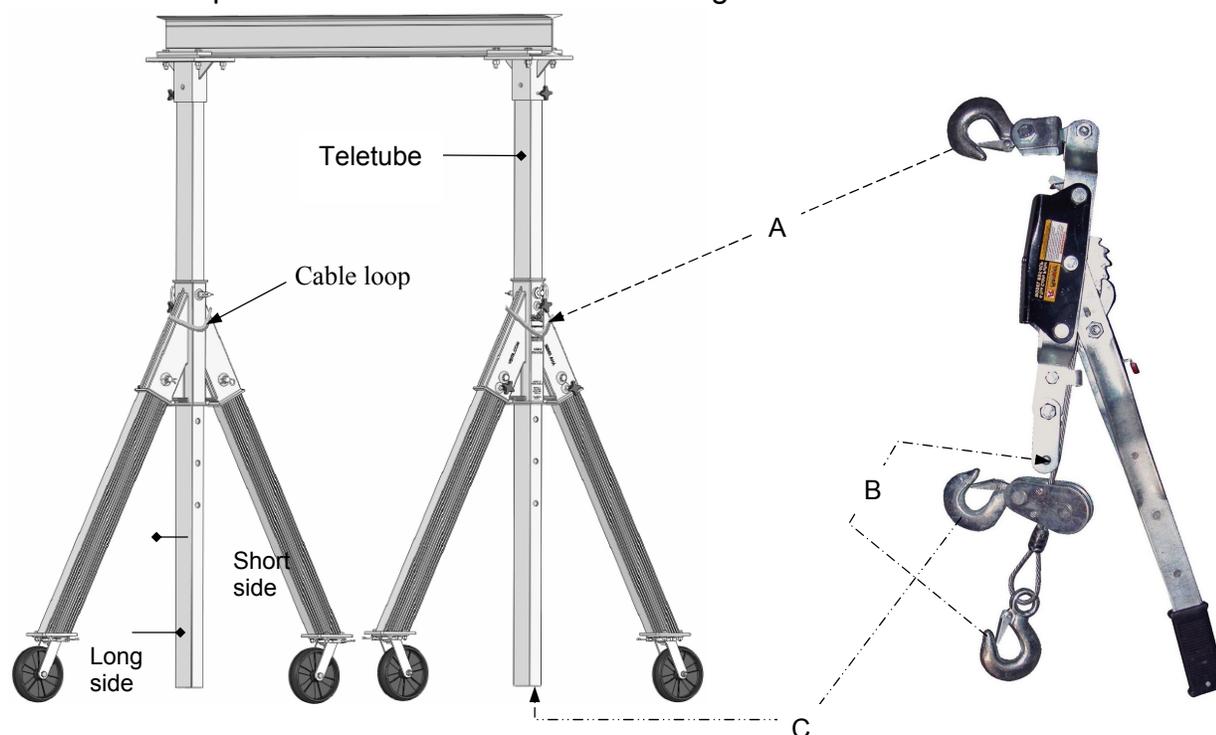


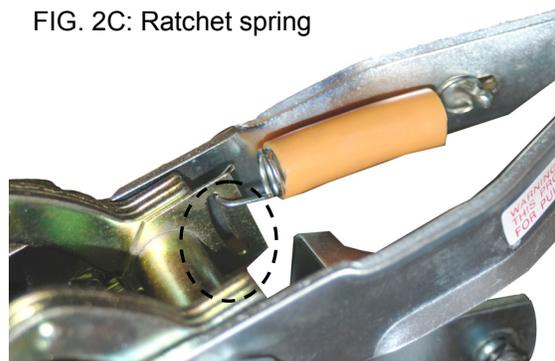
FIG. 2B: Operational attachment of come-along to crane

Step A: Attach the fixed hook to cable loops.

Step B: Attach the cable hook to the cable hook attachment bolt.

Step C: Attach the pulley hook to the short side of the bottom crane teletube.

Whether moving the handle of the come-along shortens or lengthens the cable depends on the position of the ratchet spring. The come-along is shown in FIG. 2C in the FORWARD position, which ratchets the cable shorter. Slide the spring to the bottom of the slot (inside the dashed circle) to change directions to REVERSE, i.e. to ratchet out more cable.

FIG. 2C: Ratchet spring

3. Work the handle of the come-along back and forth until the cable is taut; then remove the adjustment pin and loosen the star knob to allow the teletube to slide through its channel in the yoke.
4. Select the appropriate direction (FORWARD or REVERSE) by sliding the end of the spring to the forward or reverse position. Adjust the height of both teletubes evenly, and then replace the adjustment pins and tighten the star knobs.

Maintenance: Always inspect the come-along before using it.

1. Check the soundness of the fastener connections (bolts, nuts, pins, rivets, etc.).
2. Inspect the hooks and pulleys to confirm normal motion, shape, and state of wear. If any hook or pulley is excessively worn or distorted, or does not operate properly, immediately tag the unit "OUT OF SERVICE". Replace the affected component before returning the come-along to service.
3. Inspect the ratchet mechanism, spring, and handle and confirm that each part is undamaged (for example, not bent or cracked) and in normal condition.
4. Inspect the cable. The cable should be free of frays, numerous broken outside strands, regions where the cable is noticeably narrower than the rest of the cable, internal or external corrosion, severe, kinking, crushing, cutting or unstranding.
5. Secure cable fasteners.

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”), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original components is 90 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.

