



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

**SPS2-SERIES STOCKPICKER HAND TRUCKS
 INSTRUCTION MANUAL**



Receiving instructions:

After delivery, IMMEDIATELY remove the packaging from the product 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) the 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
Dock leveler exploded parts diagrams and bills of materials.....	3 – 6
Power unit exploded parts diagram and bill of materials.....	7
Electrical system diagram.....	8
Hydraulic system: circuit diagram and sequence of operation.....	9 – 10
Installation.....	10 – 11
Operation.....	11 – 12
Troubleshooting.....	13
Inspections & Maintenance.....	14
Label placement diagram	15
Limited warranty.....	16

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 **and fully understand the directions in advance**. **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.



Electrocution might result if any part of the product contacts electrified wires. Reduce the likelihood of electrocution by applying **common sense**:

- DO NOT *contact* electrified wires with any part of this device, the load, your body, or clothing.
- DO NOT use or store the product where contact with electrified wires is likely.
- Always inspect the usage area before using the product & implement precautions that account for conditions.



If this product is used improperly or carelessly, the operator and/or bystanders might sustain serious personal injuries. To reduce the likelihood of injury:

• ***Failure to read and understand the entire manual before assembling, installing, using or servicing the product is a misuse of the product.***

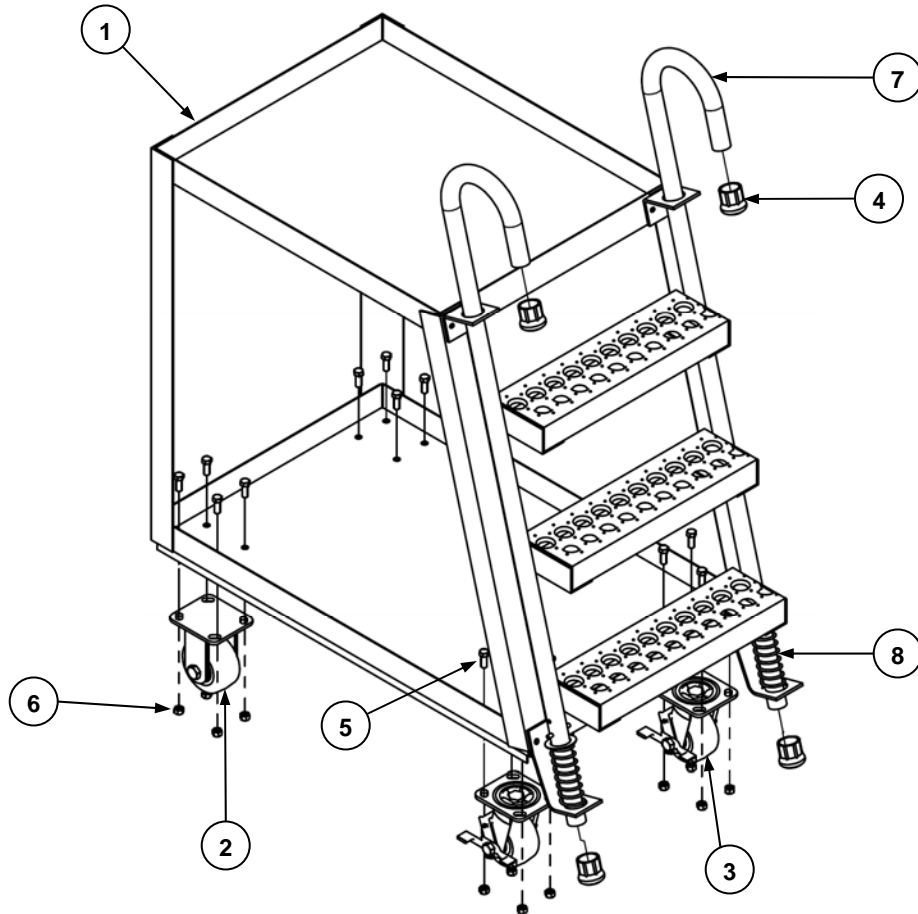
- Read the manual to refresh your understanding of proper use and maintenance procedures.
- DO NOT exceed the maximum rated load (see "Data label" in diagram on p. 4).
- Loads must not extend over the shelves of the cart.
- Use cart ONLY on even, level surfaces.
- BEFORE using the ladder, lock the swivel casters (item no. 3, p. 3).
- DO NOT attempt to resolve any problem(s) with the product unless you are both authorized to do so and *certain* that it will be safe to use afterwards.
- DO NOT modify the product in any way UNLESS you first obtain written approval from Vestil. Unauthorized modifications automatically void the Limited Warranty and might make the product unsafe to use.
- Inspect the product before each use:
 - A. DO NOT use this product if the inspection reveals structural damage. Examples of structural damage include, but are not limited to, the following: 1) Cracked, broken or significantly deformed frame, ladder, or casters; 2) cracked welds; 3) corrosion, severe wear, or other condition that affects the ability of the product to support weight or itself. Replace each part that fails to pass an inspection, and DO NOT use the product until it is *fully* restored to normal condition.
 - B. 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 & maintenance personnel about the issue.
- DO NOT use this device UNLESS all product labels (see "Label Placement Diagram") are readable and undamaged.



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 training relevant to machines, devices, etc. used in conjunction with this product.
- Keep the product clean & dry.

FIG. 1: Exploded Parts Diagram (EH-65, EH-66, EH-68 and EH-610)



Bill of Materials (EH-65, EH-66, EH-68 and EH-610)

Item no.	Part number	Description	Quantity
1	32-514-013	<u>Frame subassembly weldment</u> SPS2-2236; or	1
	32-514-014	SPS2-2840; or	1
	32-514-015	SPS2-2848	1
2	16-132-012	4in. x 2in. M.R. rigid casters	2
3	16-132-054	MR-4/2-RB-S-SB swivel caster	2
4	14-037-005	Rubber stop crutch tip	4
5	11105	$\frac{3}{8}$ in. – 16 x 1in. HHCS #2 zinc-plated bolt	16
6	36106	$\frac{3}{8}$ in. – 16 zinc-plated hex nut	16
7		<u>Ladder weldment frame</u>	
	32-647-002	SPS2-2236; or	1
	32-647-001	SPS2-2840; or	1
	32-647-001	SPS2-2848	1
8	16-146-001	Spring	2

Loading:

Items loaded on the cart should fit entirely within the shelves without hanging over the sides of the shelves. Center and evenly distribute items on the shelves and load the lower shelf first. Position the center of the load between the scissor legs and on the deck midline as shown in figures 2A & 2B below.

- ⚠ WARNING** If the cart is improperly loaded, the operator and/or bystanders might be seriously injured:
1. The capacity (in pounds) per shelf is 330 pounds (150kg). Overall capacity of the cart is 660 pounds (300kg).
 2. Capacity information appears on label 287 (see "Label placement diagram," on p. #). The label indicates the **net capacity** of the cart, i.e. the weight of all ancillary equipment (such as tools) added to the cart must be added to the weight of the load. The total weight must be less than or equal to the rated capacity of the cart:

$$\text{Weight of load} + \text{weight of ancillary equipment} = (\text{or less than}) \text{Capacity}$$

3. Always properly stabilize the cart and the load:
 - a. If the load might roll or slide off of the deck, immobilize it and secure it to the deck before moving the cart.
 - b. Evenly distribute weight on the shelves front-to-back and side-to-side. Load along the center line of the shelves out towards the edges. DO NOT front, rear, or side load the cart, i.e. do not concentrate loads along the sides of the shelves. See FIGS. 2A & 2B below.
 - c. Load the bottom shelf first; then load the top shelf.
4. Only use the cart to transport stable, evenly distributed, non-hazardous loads.

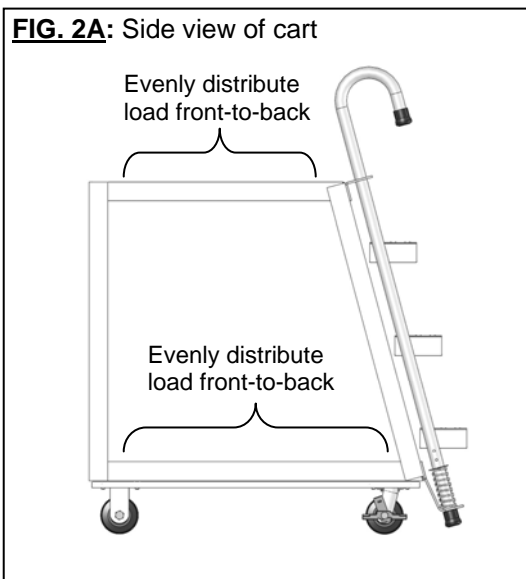
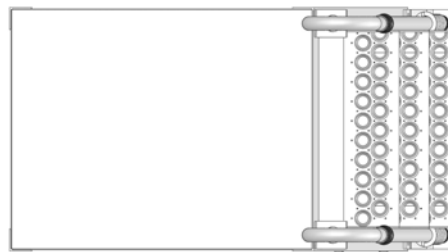


FIG. 2B: Top view of cart



Inspections and Maintenance

Regular inspections and maintenance are essential to keep the cart operating properly.

⚠ WARNING DO NOT use the cart if adjustments and/or repairs are incomplete! Return it to service ONLY after finishing all necessary repairs and adjustments. Readers should understand the difference between necessary adjustments and repairs and modifications:

Adjustments are simple actions that restore the cart to normal operating condition, such as tightening loose fasteners, or removing dirt or other debris from surfaces; a repair refers to replacing worn parts with new, factory-approved replacement parts.

A modification is a change that alters the machine from normal operating condition, like bending or removing part of the frame. **DO NOT modify the cart. Modifications automatically void the Limited Warranty and might make the cart unsafe to use.**

Inspections:

- (A) Inspect daily for the following:
- 1.) Damage and deformation of frame members, casters, the ladder, etc.
 - 2.) Push the unloaded cart. Listen for unusual noises and movement.
 - 3.) Confirm that the ladder and ladder springs operate normally. The ladder should slide up-and-down easily when weight is applied to the ladder rungs.

(B) Inspect the following each month:

- 1.) Welds – check all welds for cracks and signs of metal fatigue.
- 2.) Hardware – check all caster hardware/fasteners and spring pins. Tighten all loose fasteners.
- 3.) Labels – confirm that each label is in place and in good condition (see Label Placement Diagram on p. 15).
- 4.) Surfaces - clean dirt and debris from the surfaces of the leveler, especially debris underneath and around the ladder springs.

Label Placement Diagram

EH-series dock levelers are labeled as shown below. Labels must be undamaged and readable. Replace damaged labels.

Label 608

⚠ WARNING	⚠ ADVERTENCIA
DO NOT load beyond rated capacity PLACE heavier items on bottom shelf if applicable DISTRIBUTE load evenly. DO NOT sit or ride on cart SECURE stable load before moving	No cargue MAS de la capacidad tasada Ponga los objetos mas pesados en la estanteria de abajo DISTRIBUYA LA CARGA A NIVEL. NO SE SIENTE o vaya en el carro ASEGURE la carga antes de mover
	608 <small>rev.0911</small>

Label 287

MODEL/MODÉLO/MOĐELE _____	
CAPACITY _____	lbs.
CAPACIDAD/CAPACITÉ _____	kgs.
SERIAL/SERIE/SÉRIE _____	



Label "Made in USA"



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 1 YEAR. 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.

