



# Vestil Manufacturing Corp.

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## PRAIL-CT-1: STORAGE CART



### **Receiving instructions:**

After delivery, IMMEDIATELY remove the packaging from the product in a manner that preserves 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.

### **NOTE:**

Responsibility for complying with laws, regulations, codes, and mandatory standards enforced in the location where the product is used lies exclusively with the end-user/owner.

### **Replacement Parts and Technical Assistance:**

To order replacement parts, labels, and accessories, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm). Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking for the Parts Department.

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**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. *NOTICE* calls attention to uses of the product likely to damage the product or other property.

**⚠ DANGER** 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.

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

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

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

**SAFETY GUIDELINES:**

Vestil diligently strives to identify foreseeable hazards associated with the use of its products. However, material handling is dangerous and no manual can address every conceivable risk. The most effective safeguard against personal injury is for the end-user to apply sound judgment whenever using this product.

**⚠ WARNING** Serious personal injury might result if this product is used improperly or carelessly.

- **Read and understand the entire manual before assembling, installing, using or servicing the product.**
- Read the manual whenever necessary to refresh your understanding of proper use and maintenance procedures.
- Move the cart slowly whenever it is loaded.
- Turn slowly and make wide turns to avoid tipping the cart. This is particularly important when the cart is partially or fully loaded.
- DO NOT allow people to sit, or ride, on the cart.
- Use only on even, level, smooth surfaces.
- DO NOT exceed the capacity per arm pair (875 lb./ 397kg) or the overall uniform capacity (3500 lb. / 1590kg). Capacity information appears on the capacity label. See “Labeling Diagram” on p. 4.
- Load lower arms first and distribute loads evenly on both sides of the cart.
- ONLY authorized personnel should work on this product.
- DO NOT modify the product in any way UNLESS you first obtain written approval from Vestil. Unapproved modifications automatically void the Limited Warranty and might make the product unsafe.
- Inspect the product according to the instructions in “Inspections and Maintenance” on page 3. DO NOT use the product unless it is in normal condition.
- DO NOT use this device UNLESS all product labels (see “Label Placement Diagram”, p. 4) are in place, undamaged, and easily readable.

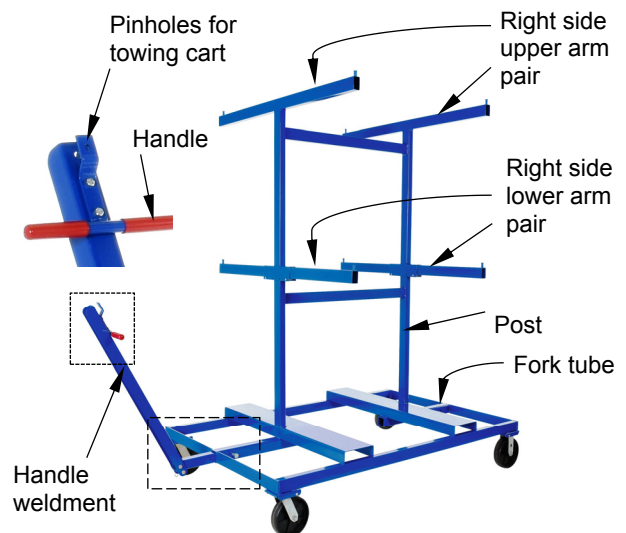
**NOTICE** Proper use, maintenance, and storage are essential for this product to function properly.

- Always use this product in accordance with the instructions in this manual.
- Keep the product clean & dry. Periodically lubricate pivot points and moving parts.

## USING THE CART: Loading & Moving

Load sections of PRAIL onto the lower arm pairs first. Center sections of PRAIL between the arms. Evenly distribute loads applied to the cart by equally loading both sets of lower arm pairs. For instance, if you have 4 sections of PRAIL to load, put 2 of them on the left set of lower arm pairs, and 2 on the right side. Load the upper arm pairs with PRAIL sections once the lower arms are fully loaded.

The cart can be moved either manually, by grasping the handle and pulling the cart, or by pinning the towbar to a vehicle. Move slowly and make careful, wide turns. **Only pull/tow a loaded cart over even, level concrete or asphalt surfaces.**

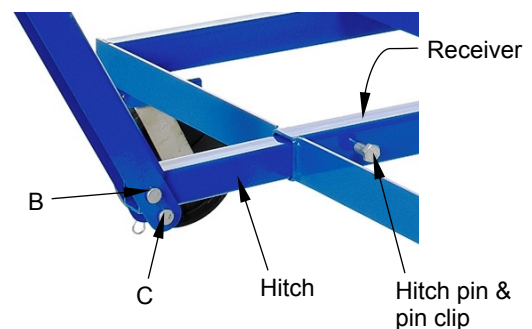


## USING THE TOWBAR

[NOTE: Numbers in parentheses refer to item numbers in “Exploded View” on p. 4.]

The towbar assembly can be installed at either end of the cart.

1. Install the hitch (4) into a receiver. Align the pinholes in the hitch and the receiver. Pin the hitch frame to the receiver with a hitch pin and pin clip (10).
2. Align the pinholes in the handle weldment (2) with the holes in the end of the hitch. Install a hitch pin through the holes (position B in diagram) and secure with a pin clip. Another hitch pin can be installed at position C to prop up the handle weldment. **Remove pin C before manually moving the cart or towing it with a vehicle.**



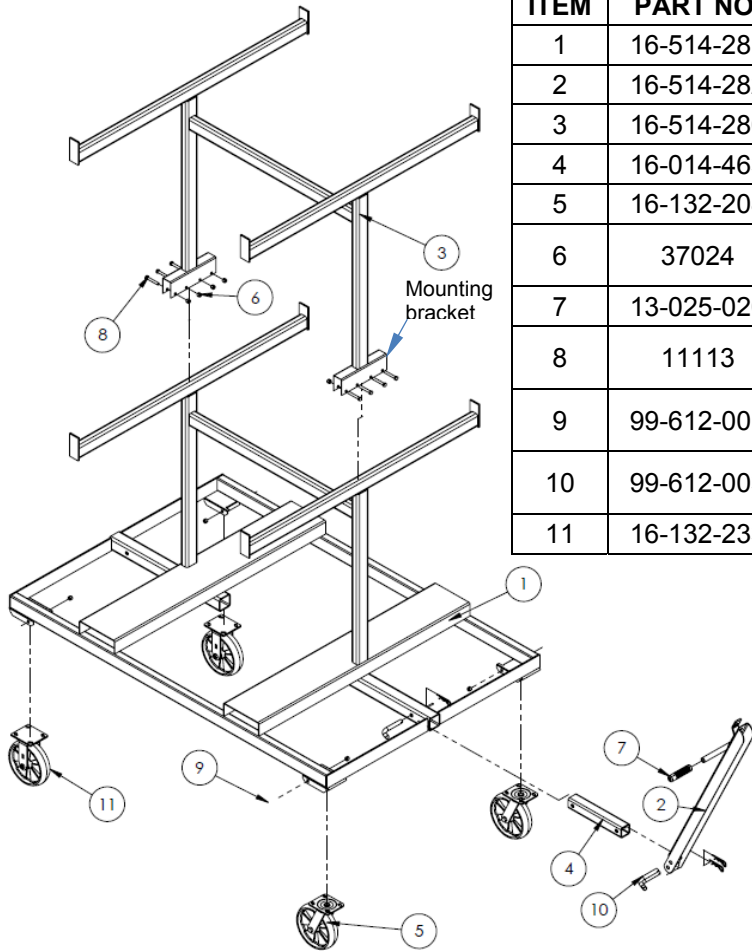
## INSPECTIONS AND MAINTENANCE

After installing the unit but before using it for the first time, create a written record that describes the appearance of all components including hardware. Take photographs of the assembled unit. Pay particular attention to bolted and pinned connections, welds, and casters. Use a measuring device like a steel square to determine the squareness of posts and arms. Load the unit with several sections of PRAIL. Record your observations about how the unit reacts to the load. Move the cart while loaded a short distance. Describe how smoothly and easily the casters roll. This written record establishes “normal condition”. When conducting future inspections compare those observations with the written record to determine whether a component is in normal condition or requires repair or replacement. To order replacement parts, labels, and accessories, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm). Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking for the Parts Department.

Regular inspections and maintenance are necessary for the cart to remain in normal condition. **At least once per week, perform the following inspections:**

1. **Arms:** Confirm that all 8 are square and rigid. Examine each arm closely for bends, cracks, etc. Check all welds. Inspect both mounting brackets (see p. 4). Check bolt holes in the brackets for elongations or cracks.
2. **Towbar:** examine the towbar for bends, warps, and cracks. Inspect pins and bolts as well as bolt hole and pin holes.
3. **Labels:** all labels should be readable and located as shown in the “Labeling Diagram” (p.4). Contact Vestil to order a replacement for any label that is not easily readable (e.g. faded or damaged) or missing.
4. **Hardware:** Examine bolts, nuts, washers, pins, and hitch pins for severe wear, warps, cracks, and corrosion.
5. **Casters:** check wheels, axles, and brackets for severe wear, cracks, and bends. Just one damaged caster could cause the cart to tip over.

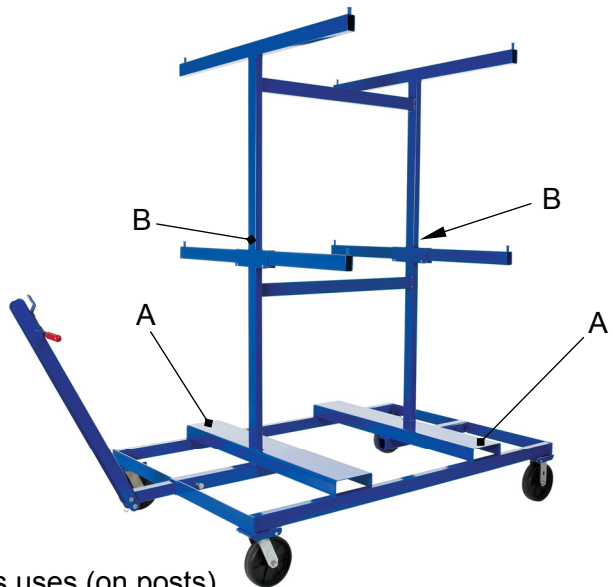
# EXPLODED VIEW AND BILL OF MATERIALS



ITEM	PART NO.	DESCRIPTION	QTY.
1	16-514-281	WELDMENT, FRAME, BOTTOM	1
2	16-514-282	WELDMENT, HANDLE	1
3	16-514-280	WELDMENT, FRAME, TOP	1
4	16-014-463	FRAME, HITCH	1
5	16-132-208	CASTER, 8: X 2", SWIVEL	2
6	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8"-16	8
7	13-025-020	RED, GRIP HANDLE	2
8	11113	HEX BOLT, GRADE A, PLAIN FINISH, 3/8" - 16 X 2-1/2"	8
9	99-612-001	PIN, BULLDOG BOLT AND NUT ASSEMBLY	4
10	99-612-003	ASSEMBLY, HITCH PIN AND PIN CLIP	3
11	16-132-233	CASTER, RIGID, GFN-8/2-R	2

## LABELING DIAGRAM

The unit should be labeled as shown in the diagram. However, label content and locations are subject to change so your guardrail might not be labeled exactly as shown. Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm). Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking for the Parts Department.



A: Label 1064 Capacity label (on fork tubes)

Overall uniform capacity:	3,500 lb. (1590 kg)	1064
Capacity per arm pair:	875 lb. (397 kg)	
Load bottom level arm pairs first. Evenly distribute loads between arm pairs at same level.		

B: Label 1063 Warnings about improper/hazardous uses (on posts)

⚠ WARNING	⚠ ADVERTENCIA
DO NOT move unless load is stable. DO NOT exceed capacity. DISTRIBUTE LOADS EVENLY. DO NOT sit, or ride, on cart. When towing cart, make wide turns and turn <u>slowly</u> . Use only on smooth, level, even surfaces.	No mover al menos que la carga este estable. No exceder la capacidad. DISTRIBUIR LA CARGA UNIFORMEMENTE. No sentarse o montarse en el carrito. Cuando remolque el carro, haga vueltas anchas y dar vuelta despacio. Use solo an superficies planas, niveladas y parejas.

## 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 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.

### Definition of “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 one of the following methods:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Corporation 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	info@vestil.com Enter “Warranty service request” in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. 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 will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

### What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: 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 dynamic components is 30 days. For wearing parts, the warranty period is 30 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a 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?

The Warrantee (you) are responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

### Events that automatically void the Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

### 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. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in

