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## CR-series Carpet Rams Instruction Manual



**Receiving instructions:**

After delivery, remove the packaging from the product. Inspect the product closely to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading. If the product is undamaged, discard the packaging.

**NOTE:**

The end-user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

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## Signal Words:

This manual uses SIGNAL WORDS to direct the reader's attention to important safety-related messages. These messages describe uses of the product that could result in personal injury or property damage. Each signal word corresponds to a specific hazard level. The following are definitions of signal words that might appear in this manual.



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.

## Hazards of Improper Use:

Vestil strives to identify all foreseeable hazards associated with the use of its products. However, material handling is dangerous and no manual can address every conceivable risk. Ultimately, the most effective way to prevent injury is to apply sound judgment whenever using this device.

### **WARNING**

- Improper or careless use could result in serious personal injuries or death.
- Before using this (forklift) front end attachment, you must contact the manufacturers of all forklifts that will use it to request: 1) written approval; and 2) markings for each forklift that identify the coil carrier AND give the approximate weight of the forklift and carrier at maximum elevation with a laterally-centered load. **DO NOT use the carpet ram until your forklifts are marked.**
  - Read and understand the entire manual before installing, using, or servicing the product. Read the manual to refresh your understanding of proper use, inspection, and maintenance procedures whenever necessary.
  - DO NOT exceed the capacity of your unit (see Label 287 on product and shown in "Labeling diagram" on p. 7).
  - DO NOT exceed the maximum rated load (see Label 287 on product; also shown on p. 7).
  - Inspect the carpet pole before each use.
  - Before attaching the carpet ram to the carriage of your fork lift, inspect the carriage and confirm that all parts are structurally sound and in nominal condition.
  - Always test the soundness of the connection between the carriage weldment of the carpet ram and the carriage of the fork truck before loading the carpet pole. Lift the roll just a few inches above the ground. Load swing should be minimal and the carpet pole should not shift. If the load is unstable, return it to the ground and use another piece of equipment to transport the carpet.
  - Inspect the carpet pole before each use as described in "Inspections" on p. 6.
  - Before attaching the carpet ram to the carriage of your fork lift, inspect the carriage and confirm that all parts are structurally sound and in nominal condition.
  - Verify that the load is stable by lifting the carpet just a few inches above the ground. Load swing should be minimal and the carpet pole should not shift on the forks. If the load is not stable while elevated, return it to the ground and use another device to transport it.
  - ALWAYS apply the rules governing use of (forklift) front end attachments applied at your work site.
  - DO NOT cover or remove any label. Verify the location and legibility of all labels as shown in the "Labeling Diagram" on p. 7. DO NOT use this device UNLESS all product labels are readable and undamaged.
  - DO NOT ride or sit on the carpet pole.
  - DO NOT use the carpet pole to push objects. Only use the product to transport a roll of carpet.
  - ONLY use this product when traveling on firm, level, even ground.
  - Carpet roll must not be longer than the pole, i.e. the carpet roll must not hang over the end of the pole. See "Using the carpet ram" on p. 5 for loading instructions.
  - DO NOT leave elevated rolls of carpet unattended. Always lower the load to the ground before leaving the forklift.
  - DO NOT modify the carpet pole in any way UNLESS you first obtain written approval from Vestil. Unapproved modifications automatically void the limited warranty (see p. 8) and might make the product unsafe to use.

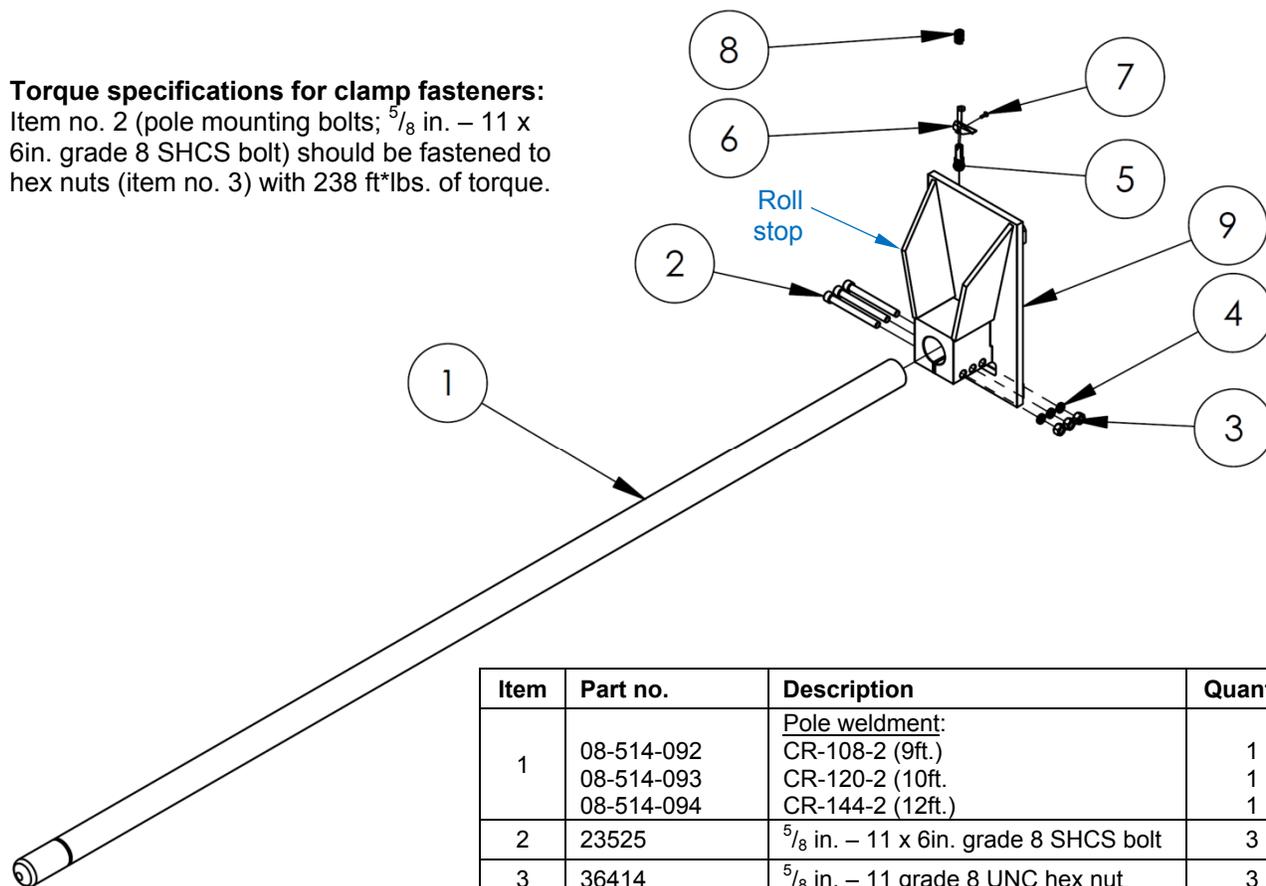
### Specifications:

Dimensions, net weight (lost load), and capacity figures for each CR-series carpet ram appear in the following table.

CR-series Carpet Poles					
Model	Pole Length	Overall length	Pole diameter	Capacity	Net Weight
CR-108-2	108 <sup>1</sup> / <sub>2</sub> "	114 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2,500 lb.	278.7 lb.
	275.6 cm	290.2 cm	7 cm	1136 kg	126.7 kg
CR-120-2	120 <sup>1</sup> / <sub>2</sub> "	126 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2,200 lb.	298.9 lb.
	306.1 cm	320.7 cm	7 cm	1000 kg	135.9 kg
CR-144-2	144 <sup>1</sup> / <sub>2</sub> "	150 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	1,800 lb.	339.3 lb.
	367.0 cm	381.6 cm	7 cm	818 kg	154.2 kg
CR-108-3	108 <sup>1</sup> / <sub>2</sub> "	114 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2,500 lb.	294.9 lb.
	275.6 cm	290.2 cm	7 cm	1136 kg	134.1 kg
CR-120-3	120 <sup>1</sup> / <sub>2</sub> "	126 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2,200 lb.	315.1 lb.
	306.1 cm	320.7 cm	7 cm	1000 kg	143.2 kg
CR-144-3	144 <sup>1</sup> / <sub>2</sub> "	150 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	1,800 lb.	355.6 lb.
	367.0 cm	381.6 cm	7 cm	818 kg	161.6 kg

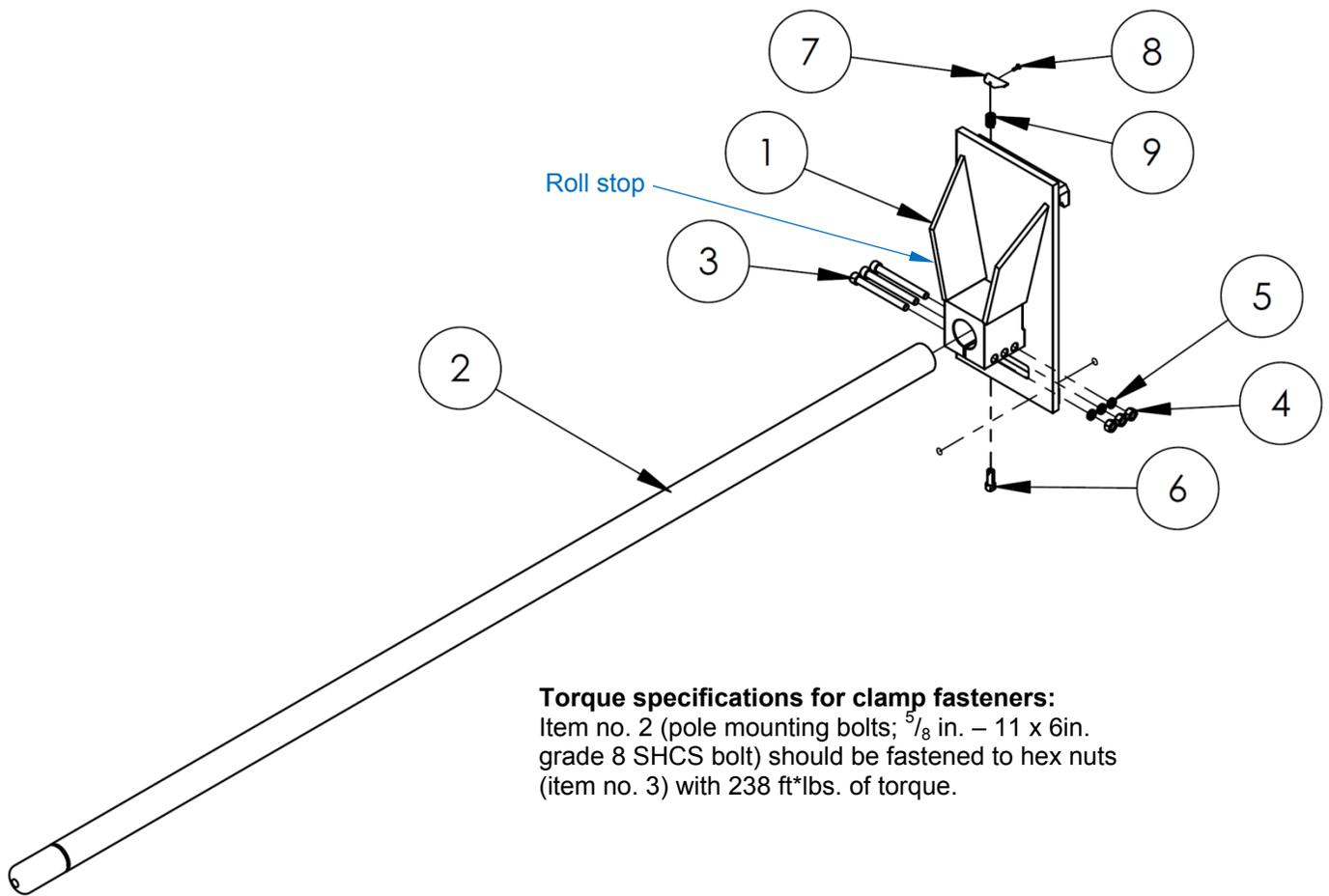
### Exploded view of CR-series carpet ram: Class 2 carriage, welded carriage clamp

**Torque specifications for clamp fasteners:**  
 Item no. 2 (pole mounting bolts; <sup>5</sup>/<sub>8</sub> in. – 11 x 6in. grade 8 SHCS bolt) should be fastened to hex nuts (item no. 3) with 238 ft\*lbs. of torque.



Item	Part no.	Description	Quantity
1	08-514-092	Pole weldment:	1
	08-514-093	CR-108-2 (9ft.)	1
	08-514-094	CR-120-2 (10ft.) CR-144-2 (12ft.)	1
2	23525	<sup>5</sup> / <sub>8</sub> in. – 11 x 6in. grade 8 SHCS bolt	3
3	36414	<sup>5</sup> / <sub>8</sub> in. – 11 grade 8 UNC hex nut	3
4	33692	<sup>5</sup> / <sub>8</sub> in. high collar lock washer	3
5	08-145-021	Latch pin	1
6	08-145-020	Latch lever	1
7	08-145-022	Latch rivet	1
8	08-146-004	Latch spring	1
9	08-538-001-002	Carriage back plate weldment	1

Exploded view of CR-series carpet ram: Class 3 carriage, welded carriage clamp



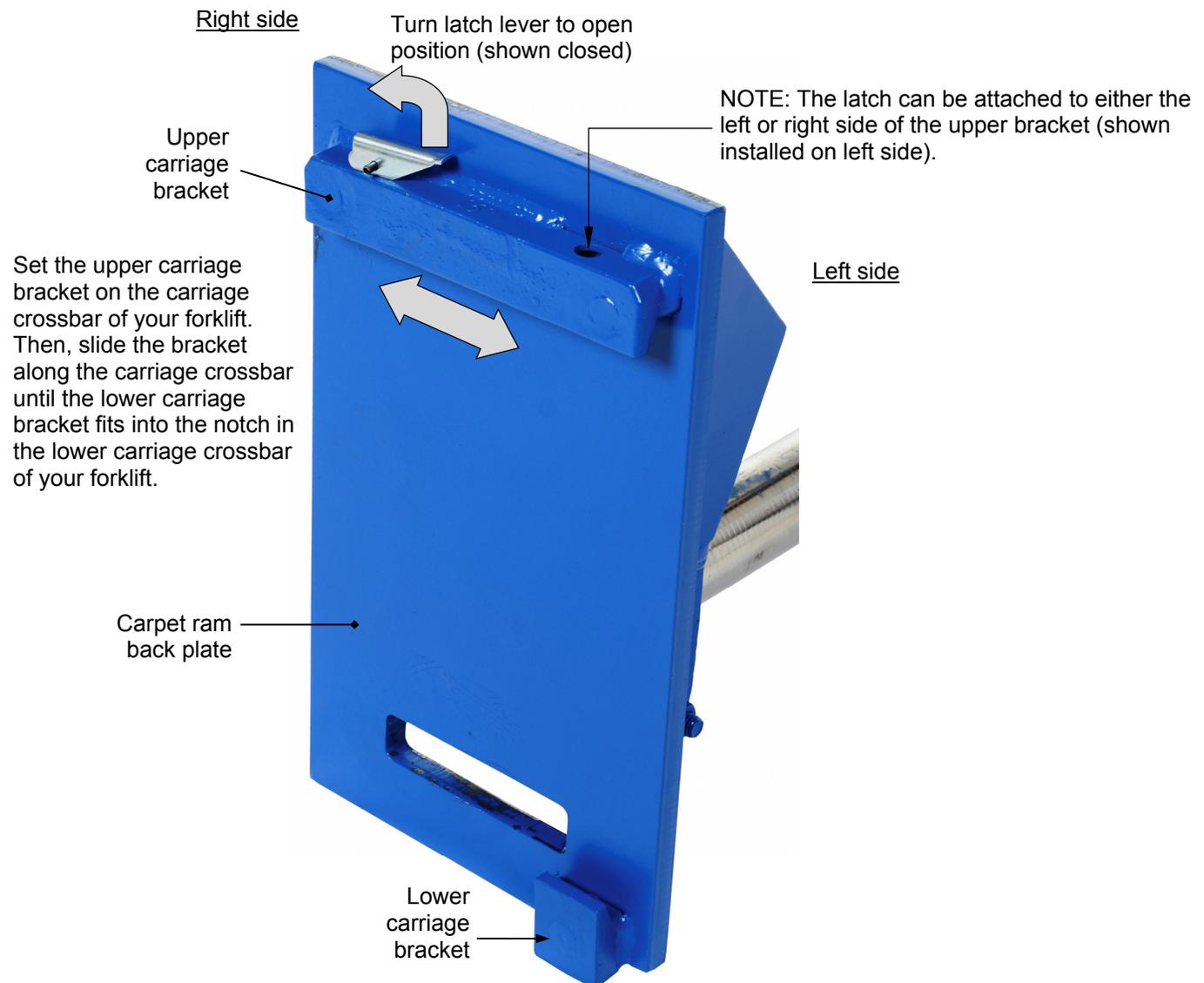
**Torque specifications for clamp fasteners:**  
 Item no. 2 (pole mounting bolts;  $\frac{5}{8}$  in. – 11 x 6in. grade 8 SHCS bolt) should be fastened to hex nuts (item no. 3) with 238 ft\*lbs. of torque.

Item	Part no.	Description	Quantity
1	08-538-002	Carriage back plate weldment	1
2	08-514-092	Pole weldment: CR-108-3 (9ft.)	1
	08-514-093	CR-120-3 (10ft.)	1
	08-514-094	CR-144-3 (12ft.)	1
3	23525	$\frac{5}{8}$ in. – 11 x 6in. grade 8 SHCS bolt	3
4	36414	$\frac{5}{8}$ in. – 11 grade 8 UNC hex nut	3
5	33692	$\frac{5}{8}$ in. high collar lock washer	3
6	08-145-021	Latch pin	1
7	08-145-020	Latch lever	1
8	08-145-022	Latch rivet	1
9	08-146-004	Latch spring	1

## Installing the carpet ram:

**Step 1:** Remove the tines from the lift truck carriage.

**Step 2:** Referring to the diagram below, rotate the latch lever to the open position. Set the left side of the upper carriage bracket on the upper carriage crossbar of your lift truck.



Set the upper carriage bracket on the carriage crossbar of your forklift. Then, slide the bracket along the carriage crossbar until the lower carriage bracket fits into the notch in the lower carriage crossbar of your forklift.

**Step 3:** Slide the upper carriage bracket along the carriage crossbar. Adjust position to allow the lower carriage bracket to fit into the notch in the lower carriage crossbar (of the forklift). The notch is probably located at the center of the crossbar. Next, slide the back plate to the left or right as necessary to center the carpet ram on the carriage.

**Step 4:** Secure the carpet ram to the lift truck carriage by closing the latch.

[NOTE: The latch lever will only rotate back to the closed position if the latch aligns with a notch in the upper crossbar. If necessary, adjust the position of the ram until the latch aligns with a notch.]

## Using the carpet ram:

Engage a roll of carpet by driving the lift truck forward and inserting the pole through the center of the roll. Drive forward until the roll contacts the roll stop (see Exploded Views on p. 3, 4). You should see at least the yellow tip of the pole. The carpet roll must not be longer than the pole. If the roll is too long, use another device to transport it.

Raise the forks only as high as necessary to lift the roll of carpet off of the ground and to avoid contact with objects during transport. Always watch and listen to the ram for abnormalities during use. DO NOT leave a raised roll unattended. Always unload the carpet ram before leaving the forklift.

## Inspections:

**Written records** — before using the ram for the first time, make a written record of its appearance. Describe the condition of the frame, pole, clamping bolts, carriage brackets, and the latch. Take photographs of each item and add them to the record. Take photographs of all labels applied to the ram. Describe where each label is located. This record establishes normal condition. When conducting the following inspections, compare your observations to the record to determine if a component is in normal condition. Do not use the carpet ram unless every component is in normal condition. Cosmetic changes, like damaged paint/powder coat do not constitute changes from normal condition. However, touchup paint should be applied to all affected areas as soon as damage occurs.

**Before each use** — perform the following inspections.

1. Check the surface of the pole for dirt or other matter.
2. Examine hardware & fasteners, including but not limited to bolts, nuts, pins, and latch.
3. Examine pole, back plate weldment, and pole clamp for looseness or excessive wear, corrosion/rusting, damage, and metal fatigue.
4. Confirm that the carriage brackets are in satisfactory condition.
5. Check all labels (see “Labeling diagram” on p. 7). Replace labels that are damaged or not easily readable.
6. Examine the whole structure for rusting/metal erosion. Remove rust/corrosion with a steel bristle brush or steel wool. Clean the area and apply touchup paint.

**Annual evaluation** — At least once per year, authorized inspection personnel should use the carpet pole to list a full capacity load. Afterwards, conduct a Frequent Inspection to confirm that the product is in normal condition.

## Maintenance:

End-users should implement a maintenance program to ensure that the product functions properly and is adequately maintained. The OSHA “General Industry” standard for “Powered industrial trucks” ([29 CFR 1910.178](#)) provides recommended maintenance procedures. The following steps should be utilized in conjunction with those procedures. ONLY trained, authorized personnel or contractors should perform inspection, maintenance, and repair work.

**NOTE:** The end-user is responsible for selecting and training employees to work on the carpet ram. “Work on” means use, inspect, and maintain the product.

**Step 1:** Tag the ram “Out of Service.”

**Step 2:** Remove dirt or other matter from all surfaces.

**Step 3:** Conduct a “Before each use” inspection. If deformity, severe corrosion/rusting, or excessive wear is found, DO NOT use the product. Permanently remove it from service.

**Step 4:** Perform all necessary adjustments, replacements and/or repairs but DO NOT modify the ram.

**NOTE:** The reader should understand the significant difference between necessary adjustments and repairs, and modifications. An “adjustment” is a simple correction that restores the device to normal condition, such as tightening loose fasteners, or removing dirt or other debris from the surface. “Repair” refers to removing worn parts and installing manufacturer-approved replacement parts. A “modification” is a change that alters the carpet ram from normal condition, like bending the structural members or removing a part or several parts. **NEVER** modify the device without the express, written approval of Vestil. Modifications might make the device unsafe to use and automatically void the limited warranty (see p. 8).

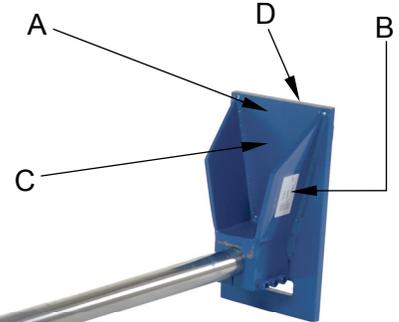
**Step 5:** Make a dated record of any repairs, adjustments and/or replacements.

## Labeling Diagram:

The product should be labeled as shown in the diagram below. Replace any label that is damaged or not easily readable (e.g. faded or torn). Product labeling is subject to change without notice. Therefore, your unit as delivered might be labeled differently. Make sure that your written record (see "Inspections" on p. 6) includes details and photos of every label applied to your ram.

### A: Label 985

⚠ WARNING	⚠ ADVERTENCIA
<p>Serious personal injury might result if this product is installed or used improperly.</p> <ul style="list-style-type: none"> <li>This side UP.</li> <li>ALWAYS install carpet ram according to instruction manual.</li> <li>When installed correctly, bolts clamping pole to receiver are below pole.</li> <li>DO NOT ride or sit on carpet ram.</li> <li>DO NOT use carpet ram to push, pull, or drag another object.</li> <li>DO NOT leave elevated roll of carpet unattended.</li> </ul>	<p>Daños serios al personal podrían ser el resultado si este producto se instala o utiliza incorrectamente.</p> <ul style="list-style-type: none"> <li>Esta parte hacia ARRIBA.</li> <li>SIEMPRE instale el recolector de alfombras de acuerdo con le manual de instrucciones.</li> <li>Cuando se instale correctamente, los pernos de sujeción del poste al receptor están debajo del poste.</li> <li>NO ande o se siente en el receptor de alfombras.</li> <li>NO use el recolector de alfombras para empujar, tirar, o arrastrar ningún objeto.</li> <li>NO deje el elevado rollo de alfombra sin atender.</li> </ul>



### B: Label 287; Model, serial no. capacity

MODEL/MODÉLO/MODÈLE _____
STATIC CAPACITY (evenly distributed) _____ lbs.
LA CAPACIDAD CONSTANTE (distribuida uniformemente) _____ kgs.
CAPACITÉ STATIQUE (distribuée régulièrement) _____ kgs.
SERIAL/SERIE/SÉRIE _____

287 REV 0812



### C: Label 1049

⚠ WARNING
<p>Improper use of this fork attachment might result in death or serious injury.</p> <ul style="list-style-type: none"> <li>Before using this fork attachment, US Federal regulation 29 CFR 1910.178 requires you to contact the manufacturer of your lift truck and request:                             <ol style="list-style-type: none"> <li>Written approval [29 CFR 1910.178(a)(4)]</li> <li>Markings for (fork) lift truck that:                                     <ul style="list-style-type: none"> <li>Identify the attachment;</li> <li>Give approximate weight of truck and attachment at maximum evaluation with laterally-centered load. [29 CFR 1910.178(a)(5)].</li> </ul> </li> </ol> </li> <li><b>DO NOT</b> use UNTIL lift truck is marked with corrected capacity tags. 1049</li> </ul>

### D: Label 1001 (on top)



## 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 90 days. For wearing parts, the warranty period is 90 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 material or workmanship.

