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# TCD-FM-E 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.

### Technical Service & Replacement Parts

For answers to questions not addressed in these instructions and to order replacement parts, labels, and accessories, call our Technical Service and Parts Department at (260) 665-7586. The Department can also be contacted online at <https://www.vestil.com/page-parts-request.php>.

### Electronic Copies of Instruction Manuals

Additional copies of this instruction manual may be downloaded from <https://www.vestil.com/page-manuals.php>.

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## SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood that a particular action will cause personal injuries or property damage. Signal words also specify the level of seriousness of injury if the product is misused in the ways described. The following signal words are used in this manual.



**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 INSTRUCTIONS

Vestil strives to identify all hazards associated with the use of our products. However, material handling is dangerous and no manual can address every risk. The most effective way to avoid injury is for the end-user to exercise sound judgment whenever using this product.

### **WARNING**

Risks of serious personal injuries or death.

• **Read and understand the entire manual before assembling, installing, using or servicing the product.**

Read the manual to refresh your understanding of proper use and maintenance procedures whenever necessary.

• DO NOT exceed the 500 lb. (227kg) capacity/maximum rated load. See Label 1153 on product; also see [LABELING DIAGRAM](#) on p. 6.

• Inspect the product as instructed in the [INSPECTIONS & MAINTENANCE](#) section on p. 6. DO NOT use the unit unless it is in satisfactory condition.

• Before engaging the handle of a trash bin with the unit, inspect the handle and the rest of the bin. Confirm that all parts are in good condition. DO NOT use the product to transport a bin UNLESS the handle securely seats into the handle hooks.

• Test the integrity of the connection between the hooks and the handle of the suspended trash bin before transporting the bin. Lift the bin just a few inches above the ground. Load swing should be minimal. The bin should not shift/slide on the hooks. If the bin is not stable while suspended, return it to the ground. Use another device to move the bin.

• Minimize load swing. Slowly raise trash bins off of the ground. Slowly return the bin to the ground after dumping operations are finished.

• Drive suspended bins at low speed. Brake and turn slowly and cautiously to avoid causing the load to swing or shift.

• DO NOT ride, or sit, on the product. DO NOT allow other persons to sit, or ride, on the product.

• DO NOT pull or drag loads with the product. ONLY use the product to lift and transport trash bins.

• DO NOT use the product to lift people or any apparatus that supports people, such as a work platform. ONLY use the product to lift and transport trash bins.

• DO NOT leave suspended loads unattended. Always disengage any load suspended from the hooks before leaving it unattended.

• DO NOT modify the product without written approval from Vestil. **Unapproved modifications automatically void the [LIMITED WARRANTY](#) (p. 7) and might make the product unsafe to use.**

• If using the hoist hook attachment to lift loads, only raise the forks as high as necessary above the ground to avoid contact with objects in the path of travel.

• DO NOT use the product to transport *anything* but trash bins with attached pivoting lids. The locations of the handle hooks should match the locations of graspable portions of the bin handle.

• Use this product consistently with both the relevant portions of the current revision of ANSI/ITSDF B56.1 and your lift truck operator training.

• DO NOT remove or obscure any label.

• DO NOT use the unit UNLESS every label is in place, easily readable, and undamaged. See [LABELING DIAGRAM](#) on p. 6.

## NATIONAL STANDARDS

US (federal) OSHA Rule 1910.178 (29 CFR 1910.178; the "Rule") classifies this device as a (lift truck) front end attachment whenever it is mounted on a lift truck. The Rule incorporates American National Standard ANSI/ITSDF B56.1 (the "Standard"). The Standard is published by the Industrial Truck Standards Development Foundation on its website ([www.itsdf.org](http://www.itsdf.org)) where it is freely downloadable at <http://www.itsdf.org/cue/b56-standards.html>. Before putting this device into service, you must acquire a copy of the Standard. Apply all relevant parts of Part II: For the User. If instructions provided in this manual conflict with the Standard, then you should apply the instructions in the Standard. Vestil requests that you immediately share any conflicts with its [TECHNICAL SERVICE](#) personnel. Contact information for [TECHNICAL SERVICE](#) appears on the cover page of this manual.

## SPECIFICATIONS (34-007-020)

Specifications for TCD-FM-series compactors are provided on Vestil's website. To access the appropriate specifications document, navigate to this webpage: <https://www.vestil.com/product.php?FID=467>. Click the "Specifications" tab. Scroll the page to the entry for the model you purchased, and click the button in the PDF column that looks like a pencil inside a blue box. A PDF file will open. This file is the specifications document. Print a copy of the document and keep it with your copy of this manual. The following is an exemplar specifications document for model.

### FORK MOUNTED TRASH CAN DUMPER - TCD-FM-E

\*\*\* ANY ADDITIONS, DELETIONS, OR OMISSIONS MUST BE CORRECTED ON THIS DRAWING AS THIS DRAWING WILL BE CONSIDERED ALL INCLUSIVE \*\*\*  
ALL GRAPHICS PROVIDED ARE FOR REFERENCE ONLY. IF CERTAIN DIMENSIONS ARE CRITICAL PLEASE VERIFY THOSE DIMENSIONS WITH YOUR SALESPERSON

APPROX WEIGHT: 94.64 lbs.  
DOES NOT INCLUDE WEIGHT OF POWER OR PACKAGING!!!

#### STANDARD FEATURES

MODEL NUMBER: TCD-FM-E  
 OVERALL WIDTH: 36 5/8"  
 WIDTH BETWEEN FORK POCKETS: 24 1/2"  
 OVERALL LENGTH: 58 3/8"  
 OVERALL HEIGHT: 9 1/16"  
 VERTICAL CENTER OF GRAVITY: 4 3/4"  
 HORIZONTAL CENTER OF GRAVITY: 27 3/4"  
 EFFECTIVE THICKNESS: FORK LENGTH - 56 1/16"  
 FORKS MUST BE AT LEAST 56" LONG  
 THEN EFFECTIVE THICKNESS EQUALS LESS THAN 1"  
 USABLE FORK POCKET WIDTH: 5 5/16"  
 ADJUSTABLE FRONT-HOOKS TO ACCOMMODATE  
 VARIOUS SIZED TRASH CANS  
 MAXIMUM BRACKET WIDTH: 8 1/4"  
 MINIMUM BRACKET WIDTH: 4 1/4"  
 INCLUDES SAFETY CHAIN  
 TOUGH BAKED IN POWDER COAT BLUE FINISH

#### SPECIAL FEATURES

NONE  
  
 APPROX. WEIGHT / LOST LOAD = 94.64  
 MINIMUM EFFECTIVE THICKNESS:  
 -FORKS UNDER 56" LESS THAN 1"  
 -FORKS OVER 56" = LENGTH MINUS 56"  
 NEVER EXCEED LOAD CENTER  
 RATING PER FORKTRUCK  
 MANUFACTURERS GUIDELINES.  
 DO NOT USE THIS FORK TRUCK  
 ATTACHMENT IF LOAD WILL  
 EXCEED FORK TRUCK MANUFACTURER'S  
 LOAD CENTER RATING

APPROVAL

I, THE UNDERSIGNED, AGREE THAT THE PRODUCT AS REPRESENTED SATISFIES DESIGN AND DIMENSION REQUIREMENTS. I ALSO ACKNOWLEDGE MY DUTY TO CONFIRM PRODUCT AND INSTALLATION COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS.

**UNITS REQUIRING APPROVAL DRAWINGS OR MODIFIED ARE NON-RETURNABLE**

[ ] As drawn [ ] As marked

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

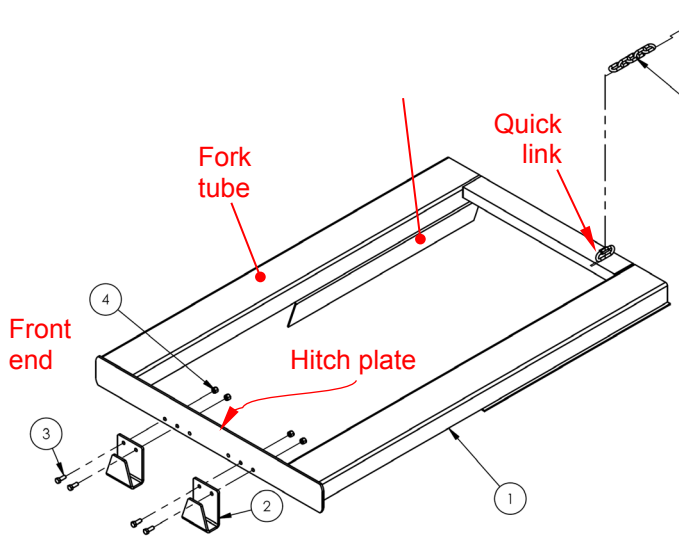
**LEAD TIME WILL START UPON RECEIPT OF SIGNED APPROVAL DRAWING**

DISTRIBUTOR'S NAME: <b>VESTIL MANUFACTURING</b>		P.O.# X
DRAWN BY:	DATE:	SALES: X
REFERENCE: X	SCALE: 1:24	FILE NAME: 34-007-020
QUOTED LEAD TIME: X	QUOTE # X	

## RECORD OF SATISFACTORY CONDITION

Record the condition of the device before putting it into service for the first time. Include observations about all features, i.e. handle hooks, welds, the frame, safety chain, quick link, and snap hook. Thoroughly photograph the unit so that all features are clearly imaged. Take close range photographs of all labels applied to the unit. Add the photographs to the record. Describe where each label is located. This record establishes satisfactory condition. During future inspections, compare your observations to the record to determine if the unit is in satisfactory condition. See [Inspections & Maintenance](#) on p. 9.

### EXPLODED VIEW AND BILL OF MATERIALS (34-006-020)



Item	Part no.	Description	Qty.
1	34-528-001	WELDMENT, FORK POCKET	1
2	34-016-064	BRACKET, FORMED ("Handle Hook")	2
3	11105	HEX BOLT, GRADE A, ZINC PLATED, 3/8"-16 X 1"	4
4	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8"-16	4
5	09-145-018	CHAIN, 5/16" x 56" LG	1
6	08-145-008	Specialty hardware, Snap hook, 1/4"	1

## USING THE DEVICE

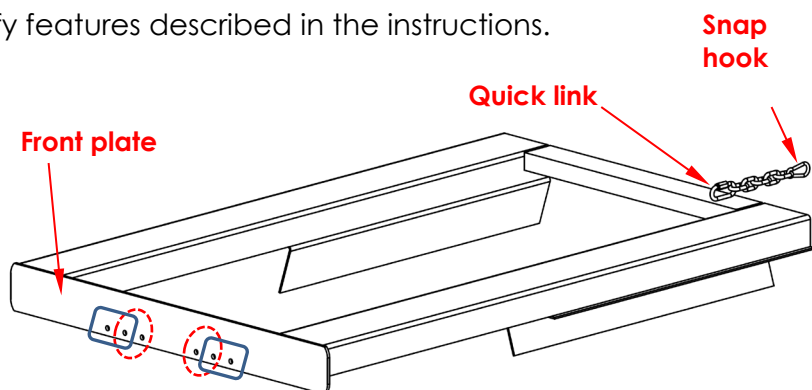
### ⚠ WARNING

USING THIS (LIFT TRUCK) FRONT END ATTACHMENT AFFECTS THE CENTER OF GRAVITY OF YOUR LIFT TRUCK. BEFORE USING THIS DEVICE, US FEDERAL REGULATION [29 CFR 1910.178](#) REQUIRES YOU TO CONTACT THE MANUFACTURER OF YOUR LIFT TRUCK TO REQUEST:

- WRITTEN APPROVAL (29 CFR 1910.178(a)(4)); AND
- MARKINGS FOR THE LIFT TRUCK THAT IDENTIFY THE ATTACHMENT AND GIVE THE APPROXIMATE WEIGHT OF THE TRUCK AND ATTACHMENT AT MAXIMUM ELEVATION WITH A LATERALLY-CENTERED LOAD (29 CFR 1910.178(a)(5)). **DO NOT USE THIS DEVICE UNTIL YOUR LIFT TRUCK IS MARKED WITH CORRECTED CAPACITY TAGS. ONLY USE THIS DEVICE WITH LIFT TRUCKS THAT HAVE BEEN MARKED WITH CORRECTED CAPACITY TAGS.**

Refer to the [EXPLODED VIEW](#) to identify features described in the instructions.

**STEP 1:** Determine the necessary spacing between handle hooks. The hooks are adjustable between 2 positions: **A** and **B**. Spacing between the hooks when they are attached in positions **A** (**circled**) is 4.25" (10.8cm); spacing between hooks when they are attached at positions **B** (**rectangles**) is 8.25" (21cm).



**STEP 2:** Fasten the safety chain to the carriage of the forklift WITH NO SLACK. Wrap the safety chain around the carriage. Attach the snap hook at the end of the chain to the quick link (welded to the frame). Wrap the chain around the carriage as many times as is necessary to remove slack from the chain. The chain must not be able to disconnect from the carriage without deliberate effort.

**STEP 3:** Engage the handle of your trash bin with the handle hooks. Then, raise the forks sufficiently to elevate the bin above the ground. Drive to the dump site.



**STEP 4:** To dump bin contents into a dumpster, carefully drive forward and contact the upper edge of a dumpster with the front face of the trash bin. The upper edge of the dumpster should contact the front face at about the horizontal midline. Carefully drive forward. The body of the trash bin will rotate about the handle. The bin should be able to freely rotate up through the central opening/space of the TCD-FM-E.

**STEP 5:** After emptying the bin, slowly back away from the dumpster. The bin should return to the suspended position shown in STEP 3. Drive the bin to the appropriate dismounting location. Lower the forks. The bottom edge of the front face will contact the ground first. Carefully drive in reverse while lowering the bin to bring the wheels into contact with the ground. Once the bin rests securely on its bottom face and wheels lower the forks until the handle is completely free of the handle hooks.

# INSPECTIONS & MAINTENANCE

## NOTICE

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

- o Inspect the unit as instructed and at least as frequently as recommended.
- o Use the product as recommended in the current revision of ANSI/ITSDF B56.1 and all instructions in this manual.
- o Store the unit in a dry location.

Compare the results of each inspection to the [RECORD OF SATISFACTORY CONDITION](#) to determine whether the unit is in satisfactory condition. DO NOT use the trash can dumper unless it is in satisfactory condition. Only use manufacturer-approved replacement parts to restore the unit to satisfactory condition. *Never make temporary repairs of damaged or missing parts.* **DON'T GUESS! If you have any questions about the condition of your unit, contact the [TECHNICAL SERVICE](#) department.** The phone number is provided on the cover page of this manual. Purely cosmetic changes, such as chipped paint, are not changes from satisfactory condition. However, touchup paint should be applied to all areas where the finish is damaged as soon as the damage occurs because exposed metal rusts. Left unaddressed, rusting could compromise the soundness of the metal and create a safety hazard.

### Inspect the following before each use:

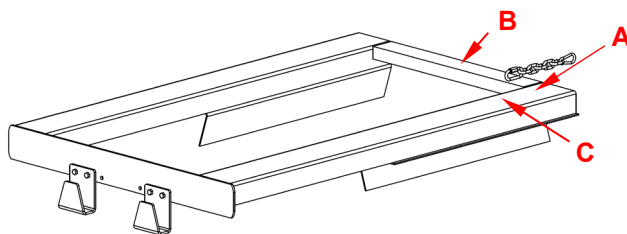
1. Safety chain, quick link, and snap hook: Confirm that all parts of the safety chain are in satisfactory condition. The spring latch (of the snap hook) should automatically close and remain closed unless deliberately opened. Do not use the unit if the snap hook, chain, or quick link are damaged or worn.
2. Labeling: All labels should be easily readable and in place as shown in the [LABELING DIAGRAM](#). If a label is damaged, not easily readable, or missing, contact [TECHNICAL SERVICE](#) to order a replacement.

### Inspect the following at least 1 time per month:

1. Fasteners (hardware):
  - Bolts, lock nuts, etc. If a lock nut is removed for any reason, it must be replaced with a new lock nut.
  - Safety chain assembly (chain, quick link, and snap hook). Confirm that each component is undamaged and operating normally.
2. Frame elements: Confirm that each fork tube is structurally sound and free of rust. The frame must be square and rigid. Look for bends, cracks, rust, and corrosion. Confirm that all welds are intact. Remove dirt and debris. Apply touchup paint to area where the finish is damaged.
3. Handle hooks and front plate: Confirm that each hook is free of deformation, warping, cracks, etc. The front plate must be solidly welded to the fork tubes. It should be free of twists, cracks, bends, and rusting/corrosion. Pay particular attention to areas around bolt holes.

## LABELING DIAGRAM

Label content and location are subject to change so your product might not be labeled exactly as shown. Compare the diagram below to your [RECORD OF SATISFACTORY CONDITION](#). If differences between actual labeling and this diagram exist, contact [TECHNICAL SERVICE](#). Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, or to inquire whether your unit is properly labeled, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm) or by calling (260) 665-7586 and asking for the Parts Department.



B: Label 1153

MODEL / MODÉLO / MODÈLE _____
WEIGHT / PESO / MASS _____
CAPACITY / CAPACIDAD / CAPACITÉ _____
SERIAL / SERIE / SÉRIE _____
UNITS: 2.2 lb. = 1kg      1" (or 1in.) = 2.54cm <b>1153</b>

A: Label 1049

**⚠ WARNING**

Improper use of this fork attachment might result in death or serious injury.

- Using this front end attachment affects lift truck center of gravity.
- Before using this fork attachment, US Federal regulation 29 CFR 1910.178 requires you to contact the manufacturer of your lift truck and request:
  1. Written approval [29 CFR 1910.178(a)(4)]
    - Identify the attachment.
    - Give approximate weight of truck and attachment at maximum elevation with laterally-centered load. [29 CFR 1910.178(a)(5)].

• **DO NOT** use UNTIL lift truck is marked with corrected capacity tags. 1049 rev 1118

C: Label 218

<p style="text-align: center; background-color: #ff9900; color: white; margin: 0;"><b>⚠ WARNING</b></p> <p style="font-size: x-small; margin: 2px 0;">Improper use might result in death or serious personal injury. Attach device to fork carriage with safety chain/strap.</p> <ul style="list-style-type: none"> <li>Drive lift truck forward until forks contact ends of fork pockets.</li> <li>Chain/straps must not be able to disconnect (slide free) from carriage.</li> <li>Safety chain/strap must be taut. Connect chain/strap to carriage via shortest line.</li> </ul>	<p style="text-align: center; background-color: #ff9900; color: white; margin: 0;"><b>⚠ ADVERTENCIAS</b></p> <p style="font-size: x-small; margin: 2px 0;">El uso inapropiado puede resultar en muerte o heridas personales. Atar aparato al mástil del montacargas con cadenas/correas.</p> <ul style="list-style-type: none"> <li>Maneje el montacargas para adelante hasta que las cuñas hagan contacto con la orilla del bolsillo de las cuñas.</li> <li>La cadenas y correas no deben de deslizarse (soltarse) del mástil del montacargas.</li> <li>La cadena/correa de seguridad debe de estar apretado. Asegure la cadena/correa al mástil via la ruta mas corta.</li> </ul> <p style="font-size: x-small; margin: 2px 0; text-align: right;"><b>218</b> rev 0910</p>
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## 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	<a href="mailto:info@vestil.com">info@vestil.com</a> 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, motor controllers, 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 1 year. 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) is responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

### Events that automatically void this 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.

