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LM-CM2-EBT Series Fork Truck Attachments

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 http://www.vestilmfg.com/parts_info.htm.

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

SIGNAL WORDS in this manual draw the reader's attention to important safety-related messages.

⚠ 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 foreseeable hazards associated with the use of its products. Material handling is dangerous and no manual can address every conceivable risk. The end-user must exercise sound judgment at all times. Acquire a copy of the latest version of ANSI B56.1from www.ITSDF.org. Apply all relevant portions of Part II "For the User". The following recommendations complement the guidance provided in B56.1.

⚠ WARNING

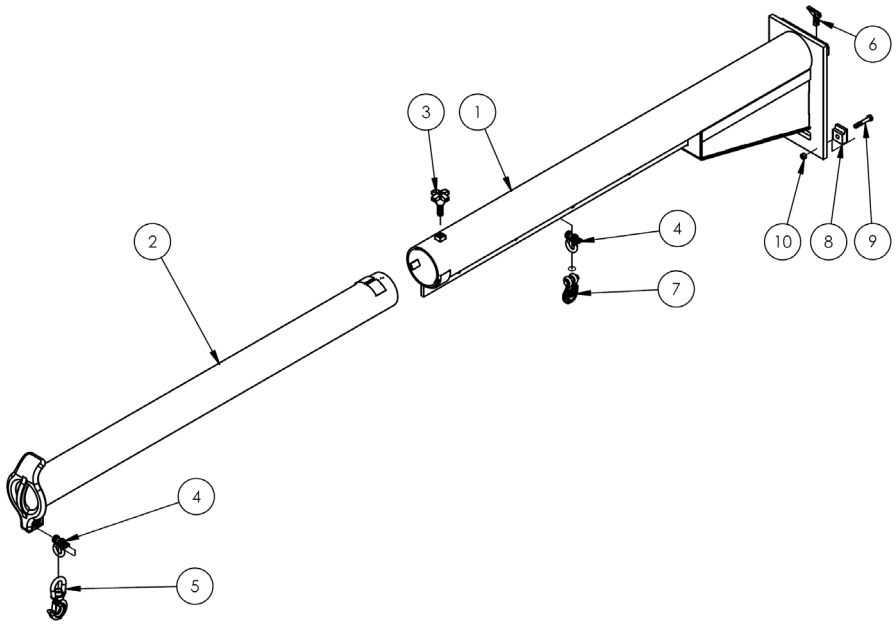
Material handling is dangerous. Improper or careless operation might result in serious personal injuries.

- Always use this boom in compliance with all rules applied to fork truck attachments at your worksite.
- DO NOT use a damaged boom. Only use the boom if it is in *SATISFACTORY CONDITION* (see *Record*, p. 8). Inspect the boom before each use according to the relevant *INSPECTION* instructions on p. 8-9.
- DO NOT *contact* electrified wires with the boom, load, or lift truck.
- DO NOT use the boom if the safety chain is damaged or missing. The only function of the safety chain is to prevent the boom from sliding off of the forks. DO NOT use the safety chain to lift loads. It is NOT intended or designed to bear the full load rating of the boom.
- DO NOT lift the boom until the restraint strap is securely connected to the carriage of the fork truck.
- DO NOT attempt to lift a load weighing more than the boom's maximum rated load. Load ratings for all boom variants appear on page 5. Also see *LOAD TESTS* on p. 8.
- NEVER lift this boom, or loads connected to the boom, over people.
- DO NOT permit any person to stand beneath, or travel under, the boom or the load.
- Inform everyone in the area to stay clear of the boom and the supported load during use.
- DO NOT allow people to ride on either the boom or the load.
- DO NOT use the boom if any label is damaged, missing, or not easily readable from a reasonable, safe distance. Contact *TECHNICAL SERVICE* to order labels. See *LABELING DIAGRAM*, p. 9.
- ALWAYS apply proper (fork) lift operation practices learned during your training program.
- Always make sure that shackle pins (see shackles in applicable *EXPLODED VIEW on either p. 3 or p. 4*) are secure before applying a load to the load hook. Tighten the screw pin before each use.
- Before raising the boom from the floor AND before attaching the load to the boom, tilt the fork lift mast away from the boom to ensure that the boom will not slide towards the tips of the forks.
- ALWAYS follow the *INSTALLING AND USING* instructions that appear on p. 6-7. Failure to properly position a load might cause a dangerous degree of load swing when the boom is elevated.
- Only use the boom to lift loads. DO NOT use the boom to drag items.
- Transport loads with the load as low as possible.
- Drive, brake, and turn slowly with suspended loads to avoid causing the load to swing.
- DO NOT modify the boom in any way. Modifications automatically void the *LIMITED WARRANTY* (p. 10) and might make the boom unsafe to use.

NATIONAL STANDARDS

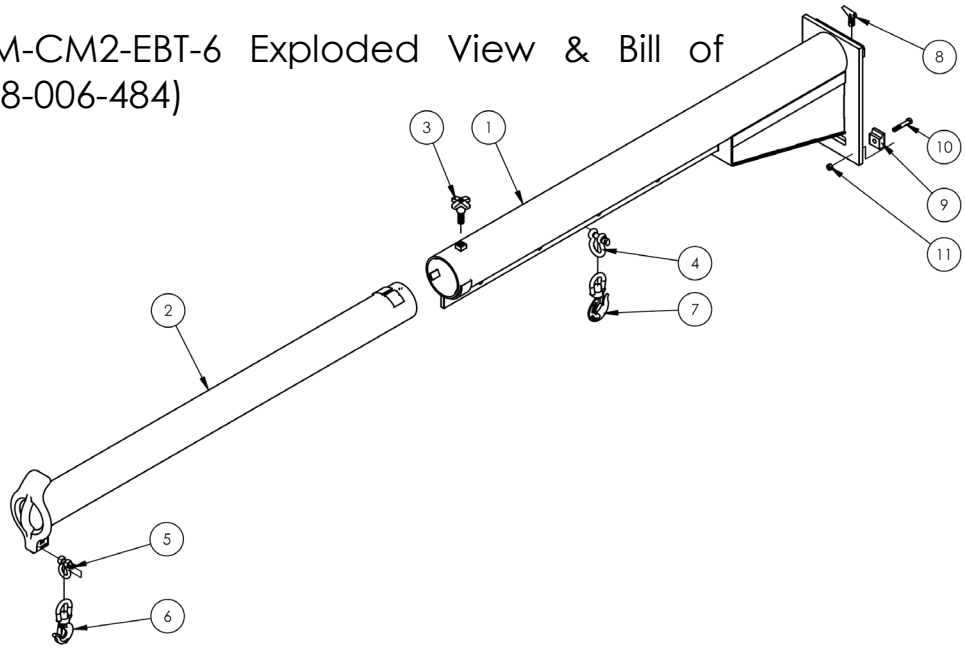
US OSHA Rule 1910.178 (29 CFR 1910.178; the "Rule") classifies this boom as a (lift truck) front end attachment whenever it is mounted on a lift truck. The Rule incorporates American National Standard ANSI/ITSDF B56.1 (the "Standard"). The Standard is published by the Industrial Truck Standards Development Foundation on its website (www.itsdf.org) 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. **Lift truck users must mark/label the truck to identify the boom, show the weight of the truck and boom combination, and show the capacity of the truck with the boom at maximum elevation with the load laterally centered.** 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 such conflicts with its *TECHNICAL SERVICE* personnel. Contact information for *TECHNICAL SERVICE* appears on the cover page of this manual.

FIG. 1A: LM-CM2-EBT-4 Exploded View & Bill of Materials (08-006-485)



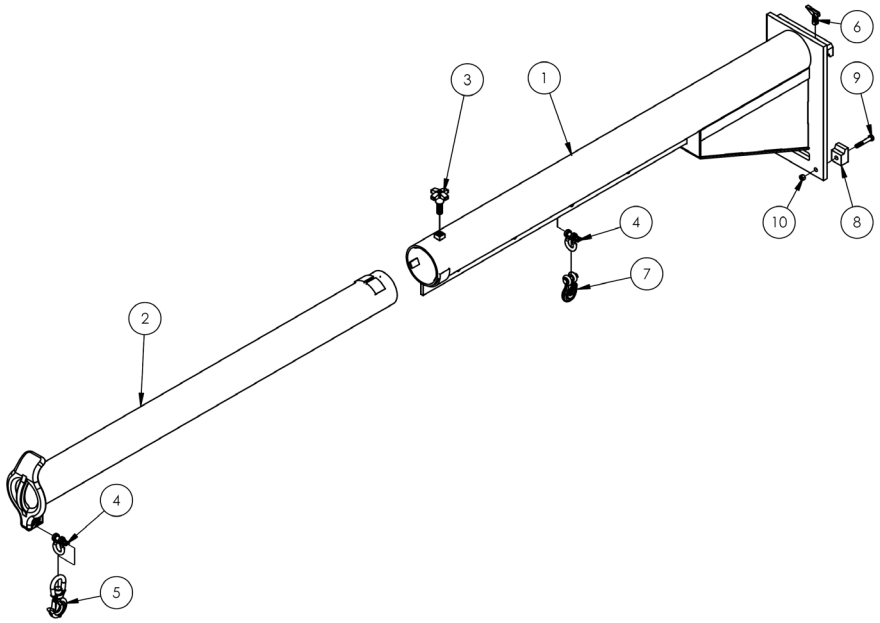
Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	08-514-378	WELDMENT, FRAME	1	**6**	08-154-004	KIT, LOCKING MECH.	1
2	08-514-261	WELDMENT, INNER TUBE	1	**7**	08-145-009	SPEC. HDW., 2 TON HOOK (CLEVIS GRAB HOOK,Ø 7/16, HOOSIER)	1
3	08-025-004	X-HANDLE, LOCKING BOLT	1	**8**	08-016-056	BRACKET,BOLT-ON LOWER,CR-2	1
4	08-145-010	SPECIALTY HARDWARE, Ø1/2"-2 TON SHACKLE	2	**9**	11215	HEX BOLT, GRADE A, ZINC FINISH, 1/2"-13 x 3"	1
5	08-145-001	SPEC HDW, SWIVEL HOOK 2-TON	1	**10**	36109	HEX NUT, GRADE A, PLAIN FINISH, 1/2"-13	1

FIG. 1B: LM-CM2-EBT-6 Exploded View & Bill of Materials (08-006-484)



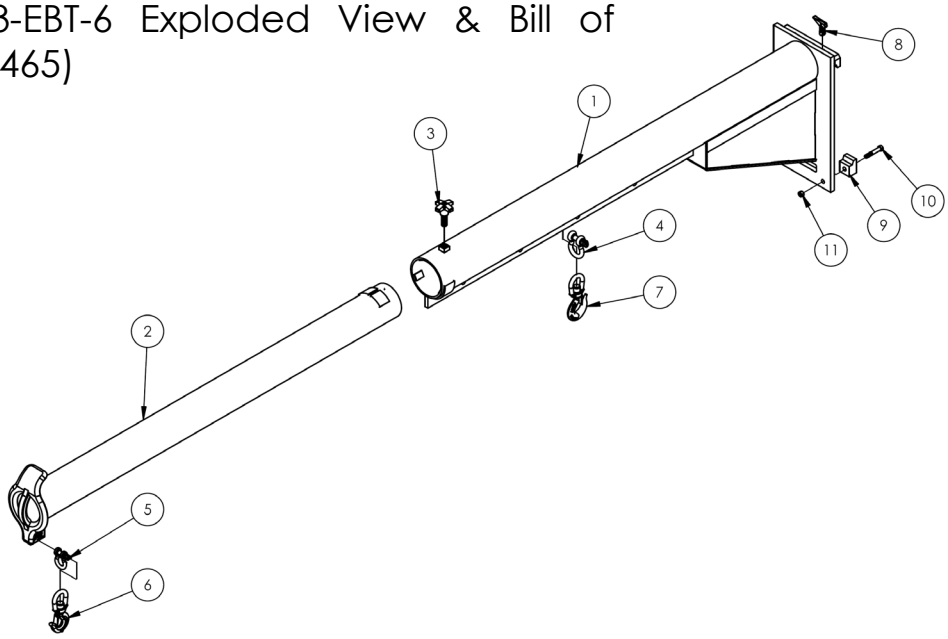
Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	08-514-377	WELDMENT, FRAME	1	**7**	08-145-002	SPEC HDW, SWIVEL HOOK 3-TON	1
2	08-514-261	WELDMENT, INNER TUBE	1	**8**	08-154-004	KIT, LOCKING MECH.	1
3	08-025-004	X-HANDLE, LOCKING BOLT	1	**9**	08-016-056	BRACKET,BOLT-ON LOWER,CR-2	1
4	99-145-019	SPECIALTY HARDWARE, SHACKLE	1	**10**	11215	HEX BOLT, GRADE A, ZINC FINISH, 1/2"-13 x 3"	1
5	08-145-010	SPECIALTY HARDWARE, Ø1/2"-2 TON SHACKLE	1	**11**	36109	HEX NUT, GRADE A, PLAIN FINISH, 1/2"-13	1
6	08-145-001	SPEC HDW, SWIVEL HOOK 2-TON	1				

FIG. 2A: LM-CM3-EBT-4 Exploded View & Bill of Materials (08-006-487)



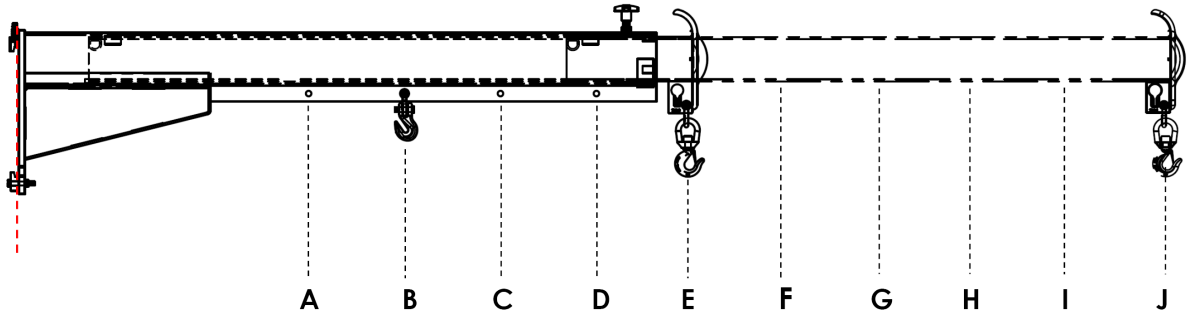
Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	08-514-373	WELDMENT, FRAME	1	**6**	08-154-004	KIT, LOCKING MECH.	1
2	08-514-261	WELDMENT, INNER TUBE	1	**7**	08-145-009	SPEC. HDW., 2 TON HOOK (CLEVIS GRAB HOOK,Ø 7/16, HOOSIER)	1
3	08-025-004	X-HANDLE, LOCKING BOLT	1	**8**	08-016-039	BRACKET,BOLT-ON LOWER,CR-3	1
4	08-145-010	SPECIALTY HARDWARE, Ø1/2"-2 TON SHACKLE	2	**9**	11215	HEX BOLT, GRADE A, ZINC FINISH, 1/2"-13 x 3"	1
5	08-145-001	SPEC HDW, SWIVEL HOOK 2-TON	1	**10**	36109	HEX NUT, GRADE A, PLAIN FINISH, 1/2"-13	1

FIG. 2B: LM-CM3-EBT-6 Exploded View & Bill of Materials (08-006-465)



Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	08-514-371	WELDMENT, FRAME	1	**7**	08-145-002	SPEC HDW, SWIVEL HOOK 3-TON	1
2	08-514-261	WELDMENT, INNER TUBE	1	**8**	08-154-004	KIT, LOCKING MECH.	1
3	08-025-004	X-HANDLE, LOCKING BOLT	1	**9**	08-016-039	BRACKET,BOLT-ON LOWER,CR-3	1
4	99-145-019	SPECIALTY HARDWARE, SHACKLE	1	**10**	11215	HEX BOLT, GRADE A, ZINC FINISH, 1/2"-13 x 3"	1
5	08-145-010	SPECIALTY HARDWARE, Ø1/2"-2 TON SHACKLE	1	**11**	36109	HEX NUT, GRADE A, PLAIN FINISH, 1/2"-13	1
6	08-145-001	SPEC HDW, SWIVEL HOOK 2-TON	1				

FIG. 3A: Maximum Load Ratings for Varying Load Attachment Point and Boom Extension Combinations

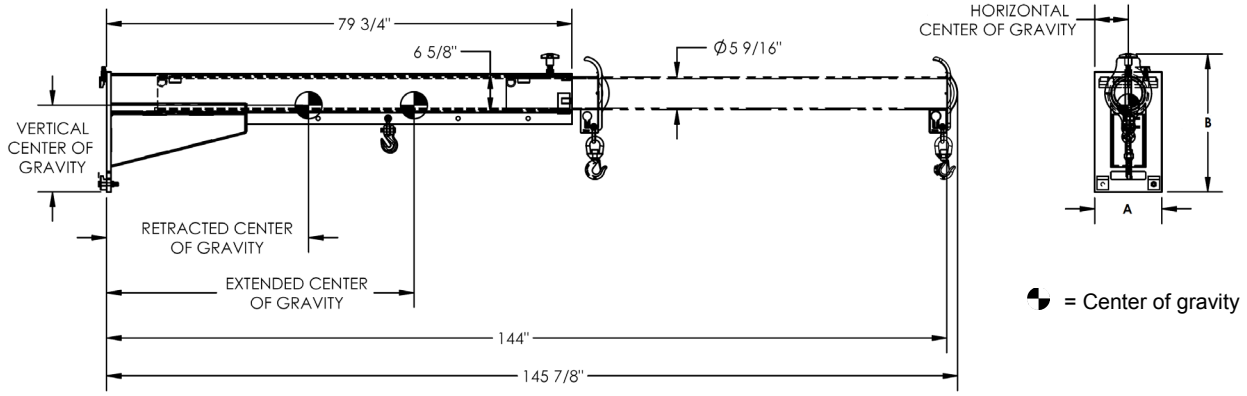


	A	B	C	D	E	F	G	H	I	J
Hook distance from back end of boom	36" 91 cm	48" 122 cm	60" 152 cm	72" 183 cm	84" 213 cm	96" 244 cm	108" 274 cm	120" 305 cm	132" 335 cm	144" 366 cm
Maximum rated load. Load suspended from a *single* hook located at the corresponding hook position.										
LM-CM2-EBT-4	4000 lb. 1820 kg	3750 lb. 1705 kg	3500 lb. 1590 kg	3250 lb. 1477 kg	3000 lb. 1363 kg	2750 lb. 1250 kg	2500 lb. 1136 kg	2250 lb. 1022 kg	2000 lb. 909 kg	1750 lb. 795 kg
LM-CM2-EBT-6	6000 lb. 2727 kg	5000lb. 2272 kg	4500 lb. 2045 kg	4000 lb. 1820 kg	3500 lb. 1590 kg	3000 lb. 1363 kg	2600 lb. 1181 kg	2300 lb. 1045 kg	2000 lb. 909 kg	1800 lb. 818 kg
LM-CM3-EBT-4	4000 lb. 1820 kg	3750 lb. 1705 kg	3500 lb. 1590 kg	3250 lb. 1477 kg	3000 lb. 1363 kg	2750 lb. 1250 kg	2500 lb. 1136 kg	2250 lb. 1022 kg	2000 lb. 909 kg	1750 lb. 795 kg
LM-CM3-EBT-6	6000 lb. 2727 kg	5000lb. 2272 kg	4500 lb. 2045 kg	4000 lb. 1820 kg	3500 lb. 1590 kg	3000 lb. 1363 kg	2600 lb. 1181 kg	2300 lb. 1045 kg	2000 lb. 909 kg	1800 lb. 818 kg

The center of gravity of the boom changes as boom length changes. As shown in the diagram below, the lengthwise center of gravity may be located at any point from RCG to ECG:

- Retracted center of gravity (RCG): boom fully *retracted* and unloaded. RCG is measured from the "origin point" of the above diagram (rear edge of the back plate);
- Extended center of gravity (ECG): boom fully *extended* and unloaded. ECG is also measured from the "origin point" of the above diagram (rear edge of the back plate);
- All other combinations of boom extension and load position produce a horizontal center of gravity located somewhere between RCG and ECG.

FIG. 3B: Centers of gravity and dimensions



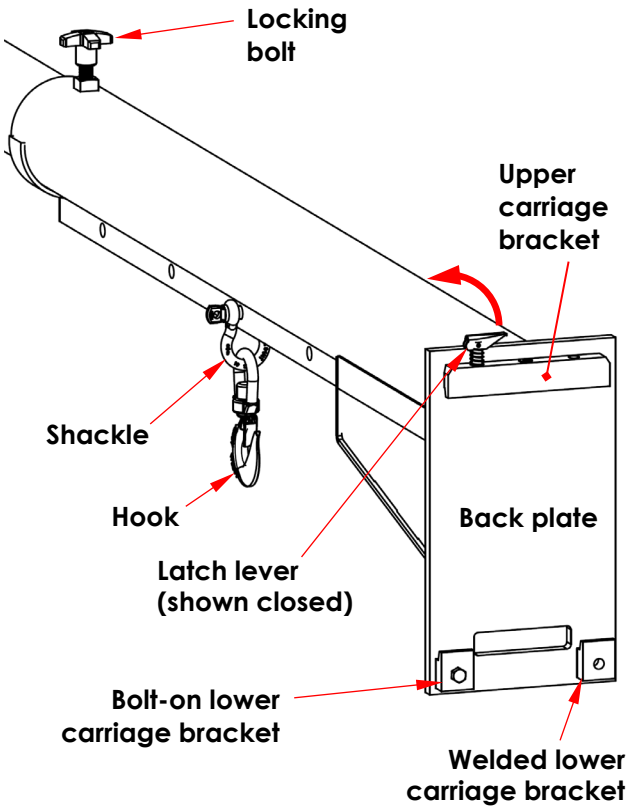
Model	Extended horizontal center of gravity	Retracted horizontal center of gravity	Vertical center of gravity	Horizontal center of gravity	A	B	Net weight
LM-CM2-EBT-4	52 11/16 in. (133.8 cm)	34 5/8 in. (87.9 cm)	14 13/16" (37.6 cm)	5 3/4" (14.6 cm)	11 1/2" (29.2cm)	23 5/8" (60cm)	354 lb. 161 kg
LM-CM2-EBT-6	52 5/8 in. (133.7 cm)	34 7/8 in. (88.6 cm)	14 3/4" (37.5 cm)	5 3/4" (14.6 cm)	11 1/2" (29.2cm)	23 5/8" (60cm)	360 lb. 164 kg
LM-CM3-EBT-4	50 7/8 in. (129.2 cm)	33 3/4 in. (85.7 cm)	18 3/8" (46.7 cm)	6" (15.2cm)	12" (30.5cm)	27 5/8" (70.2 cm)	383 lb. 174 kg
LM-CM3-EBT-6	49 1/2 in. (125.7 cm)	32 7/8 in. (83.5 cm)	18 3/8" (46.7 cm)	6" (15.2cm)	12" (30.5cm)	27 5/8" (70.2 cm)	384 lb. 175 kg

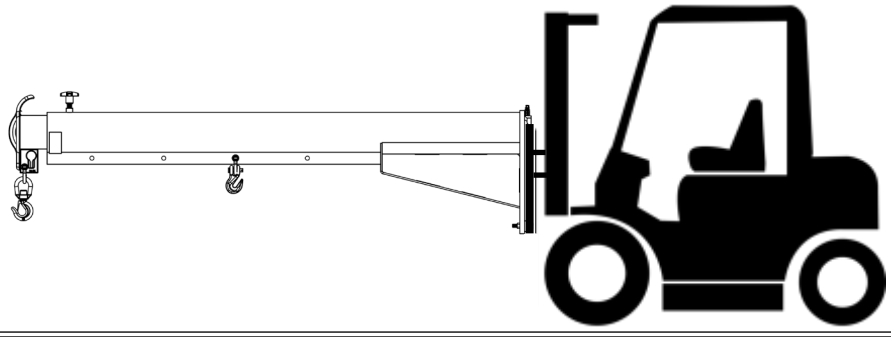
INSTALLING AND USING THE BOOM

Periodically review the *SAFETY INSTRUCTIONS* on p. 2.

Step 1. Install the boom on the carriage of your fork truck.

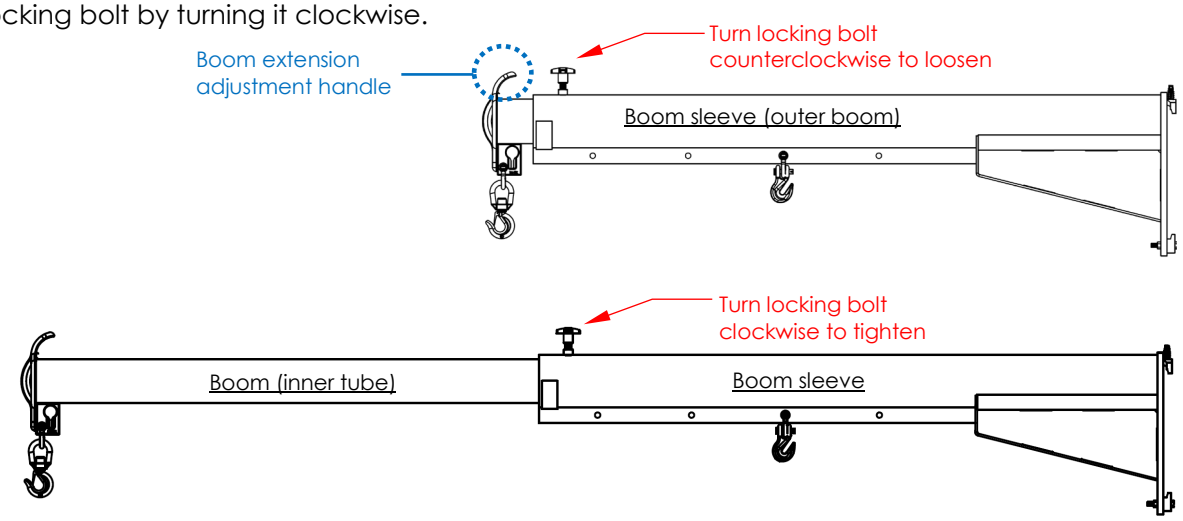
a) Remove the tines (forks) from the lift truck carriage.
b) Rotate the latch lever to the unlocked position. [NOTE: There are holes in the upper carriage bracket. The latch can be attached to any of these holes. In the diagram below, it is installed on left side.] The latch seats into slots in the upper carriage bracket.
c) Loosen the bolt-on lower carriage bracket.
d) Set the left side of the upper carriage bracket on the upper carriage crossbar of your lift truck.
e) The lower carriage crossbar (of the lift truck) should have a notch in it. The notch is probably located at the center of the crossbar. Slide the back plate across the upper crossbar until the welded lower bracket seats into the notch. Push the back plate against the carriage. The bolt-on lower bracket should slide over the bottom edge of the carriage.
f) Adjust the position of the back plate to center the boom on the carriage.
g) Lock the latch. The latch lever will only rotate back to the closed position if the latch aligns with a notch in the upper crossbar of your lift truck's carriage. The position of the boom might have to be adjusted to allow the latch to seat into a slot.
h) Tighten the bolt-on lower carriage bracket.





Step 2. Adjust the boom length:

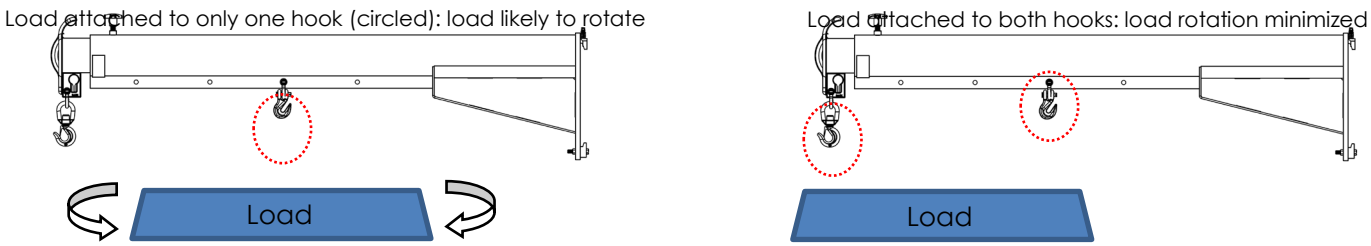
a) Loosen the X-handle locking bolt ("locking bolt"), by turning it counterclockwise.
b) Grasp the adjustment handle at the end of the boom and pull the boom to the desired length.
c) Tighten the locking bolt by turning it clockwise.



⚠ WARNING

Material handling is dangerous. Improper use of this product might result in serious personal injuries.

- Confirm that the load weighs less than the maximum rated load of your boom AND that your fork lift is rated to lift the combined weight of the boom and the load.
- Contact the manufacturer of your fork lift BEFORE using the boom. Request that the lift manufacturer provide:
  1. Written approval to use the boom with your lift truck; AND
  2. Markings (labels) for the lift truck that:
     – Identify your LM-boom; AND
     – Provide the approximate net weight of the forklift truck and boom at the maximum elevation with a laterally-centered load. [29 CFR 1910.178(a)(5)].
- DO NOT use the boom until the forklift manufacturer provides adjusted maximum rated load tags for your fork lift.
- DO NOT attempt to lift loads weighing more than the rated load of either the boom or lift truck, **whichever is smaller**. Maximum rated load information appears on page 5.
- Strictly adhere to all rules applied at your worksite regarding forklift operation, fork attachment usage, and load rigging.
- ONLY use rigging having maximum load ratings that exceed the load weight.
- DO NOT connect a load to only 1 hook, which will cause the load to rotate during lifting and transport operations. Loads should connect to both hooks simultaneously.

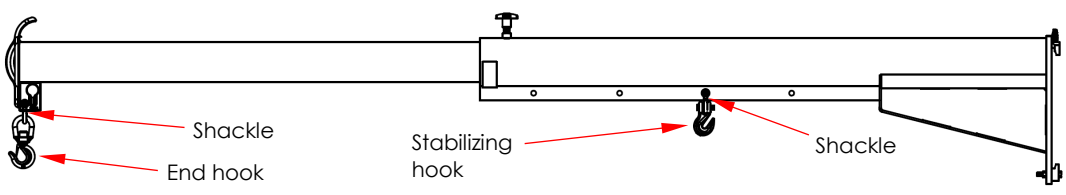


Test the stability of the load in the rigging. Raise the carriage/boom *slowly* to minimize load movement. Raise the boom until the load is entirely suspended from the boom. Watch the load and boom closely for *either* of the following issues: 1) Load movement in rigging; or 2) Boom sliding on the carriage. If you notice either issue, immediately lower the boom. Adjust the rigging and latch the back plate to the carriage. Retest the stability of the load in the rigging

- While transporting a load with the boom, the load should only be 6-8 inches above the ground. Adjust load height to avoid obstacles along the travel path.
- DO NOT exceed approximately 1.5mph (2.4kph) while transporting a load with the boom.
- Travel ONLY on smooth, level surfaces. Turn slowly and smoothly.
- If a load is unstable while suspended, DO NOT use the boom to transport it.

Step 3. Attach appropriate rigging to the load. Then, attach the rigging to BOTH the end hook and the stabilizing hook.

a) Verify that the load attachment is stable.
b) Raise the load until it is elevated no more than 6-8 inches above the ground (entirely suspended from the boom).
c) Slowly & carefully transport the load to the desired unloading location.
d) Slowly lower the load until it is entirely supported by the ground and there is slack in all rigging.
e) Disconnect the rigging from the hooks;
f) Adjust the carriage position until the boom is no higher than necessary above the ground;
g) Return the boom to its storage location.



RECORD OF SATISFACTORY CONDITION

Record the condition of the lifting boom before putting it into service. Measure the length and width of the shackle of both hooks. Include a width measurement of the mouth of the shackle, i.e. the area that receives the shackle pin. Record your measurements. Measure the mouth of both hooks and record the measurements. Thoroughly photograph the unit from multiple angles. Include close range photos of all labeling, the hooks, the shackles and shackle pins, the back plate, all carriage brackets and hardware, and welds. Collate all photographs and writings into a single file. Mark the file appropriately to identify it. The file provides a record of the device in satisfactory condition. Compare the results of all *INSPECTIONS* (see p. 8-9) to this *RECORD* to determine whether the unit is in satisfactory condition. If the boom is not in satisfactory condition, repair it before returning it to service. Purely cosmetic changes, like damaged paint/powdercoat, do not constitute changes from satisfactory condition. However, touchup paint should be applied to all affected areas as soon as cosmetic damage occurs to prevent rusting and corrosion. If left unaddressed, rusting/corrosion will alter the device from satisfactory condition and could make it unsafe to use.

LOAD TESTS

After creating a *RECORD OF SATISFACTORY CONDITION* *and b*efore using the boom for the first time, a qualified person should conduct a load test. The test load should be 125% of the rated load (capacity) of the boom. For instance, if the rated load (capacity) is 1,000 lb. (454.5kg) the test load should be 1,250 pounds (568.2kg). Raise the load off of the ground until it is entirely suspended from the boom. Leave the load suspended for a few minutes. Return it to the ground and unload the boom. Perform a *Monthly Inspection* as described in the *INSPECTIONS* section (p. 8-9). The boom should undergo load testing immediately after it is repaired or modified. Never modify the boom without first receiving written approval from Vestil.

NOTE: If your boom is used with a lift truck whose capacity is less than 125% of the rated load of your boom PLUS the weight of the boom, then load testing as described above should not be performed. Instead, the boom must be rerated (capacity reduced) and be tested with an appropriate load weight for your lift truck. The boom must also be relabeled to reflect the rerated capacity. Mark/label the truck to identify the boom, show the weight of the truck and boom combination, and show the capacity of the truck with the boom at maximum elevation with the load laterally centered. Use the *LOAD TEST RECORD* page at the end of this manual to record the weight used to load test your boom based on the rerated capacity.

INSPECTIONS

Inspections and repairs should only be performed by qualified persons. Compare the results of each inspection to the *RECORD OF SATISFACTORY CONDITION* (the "RECORD"). Do not use the boom unless all parts are in satisfactory condition. Replace parts that are not in satisfactory condition before using the boom again. **DON'T GUESS! If you have any questions about the condition of your boom, contact the *TECHNICAL SERVICE* department.** The phone number is provided on the cover page of this manual. *Never make temporary repairs of damaged or missing parts*. Only use manufacturer-approved replacement parts. Replace the entire unit if it cannot be restored to satisfactory condition.

⚠ WARNING

If an inspection reveals problems, restore the boom to satisfactory condition BEFORE using it again. DO NOT use a boom that is structurally damaged in any way. Structural damage includes, but is not limited to, cracked welds, warping or deformation of the back plate, carriage brackets, boom, or boom sleeve.

1. **Before each use** —Examine the boom for cracks, significant rusting/corrosion, or damaged hooks, shackles, carriage brackets.
2. **Monthly inspection** — At least once per month, and before using the boom for the first time, inspect:
   Back plate, carriage brackets, carriage latch, and fasteners — The back plate should be square and solid. Each bracket should be rigidly welded or fastened to the frame. Examine the carriage latch. Confirm that it latches and unlatches properly. Look for significant wear, damage, or indications of metal fatigue to any portion of the carriage brackets and fasteners, back plate, or carriage latch.
   Boom — Check all welds. The boom should be straight, rigid, and undamaged, i.e. no cracks, punctures, warps, rust or corrosion, etc. The inner boom should slide without binding inside the receiver/sleeve.
   Hooks and shackles — Examine the end hook & the stabilizing hook. Record a measurement of the throat opening of each hook. Compare the measurements with those taken during the very first inspection. Replace a hook if its throat opening is more than 15 percent wider than the original throat opening measurement, or if the hook is twisted more than 10° from the plane of the unbent hook. Discard damaged hooks. The latch of the end hook should close automatically. Shackles should be securely attached to the underside of the boom. Examine all pins that attach shackles to the boom for cracks and warps.
   Locking bolt — Confirm the locking bolt can solidly engage the top of the inner boom to prevent it from sliding.

Labeling — The boom should always be labeled as shown in the *LABELING DIAGRAM* on p. 9. Replace any label that is damaged, significantly faded, or not easily readable from a reasonable distance.

3. **Annual Lift Test** – At least once per year, perform a *LOAD TESTS* (p. 8) of the boom. Afterwards, conduct a *MONTHLY INSPECTION*. Confirm *SATISFACTORY CONDITION* before returning the boom to service.

MAINTENANCE

Implement a maintenance program to ensure that the boom remains in satisfactory condition. The following steps should be utilized in conjunction with maintenance procedures applicable to fork truck attachments provided in the most recent edition of ANSI B56.1.

Step 1: Tag the boom, "Out of Service."
Step 2: Remove dirt and other matter from all surfaces.
Step 3: Conduct a Monthly inspection. If significant deformities, corrosion, rusting, or excessive wear is found, DO NOT continue to use the product.
Step 4: Perform all necessary adjustments, replacements and/or repairs but DO NOT modify the boom.

⚠ WARNING

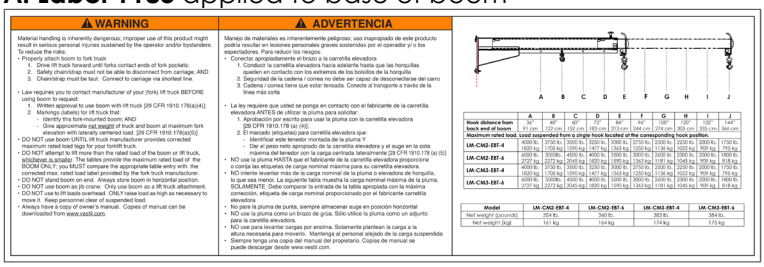
DO NOT return the boom to service until all necessary adjustments and repairs are complete! An adjustment is a simple correction that restores the boom to *SATISFACTORY CONDITION*, such as tightening loose fasteners or removing debris from surfaces. Repair means removal of worn parts and installation of replacement parts. NEVER modify (alter) the boom, e.g. bend a structural member or remove a part or parts.

Step 5: Make a dated record of all repairs, adjustments, and replacements performed.

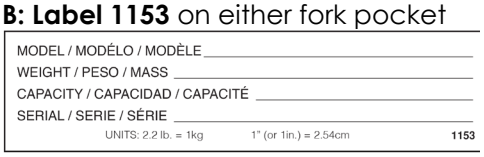
LABELING DIAGRAM

The unit should be labeled as shown in the diagram. However, label content and location are subject to change so your product might not be labeled exactly as shown. Compare this diagram to your *RECORD OF SATISFACTORY CONDITION*. Replace all labels that are damaged, missing, or not easily readable (e.g. faded). Order replacement labels by contacting the *TECHNICAL SERVICE & PARTS DEPARTMENT* online at http://www.vestilmfg.com/parts_info.htm. Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking the operator to connect you to the *PARTS DEPARTMENT*.

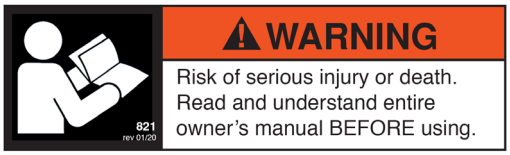
A: Label 1183 applied to base of boom

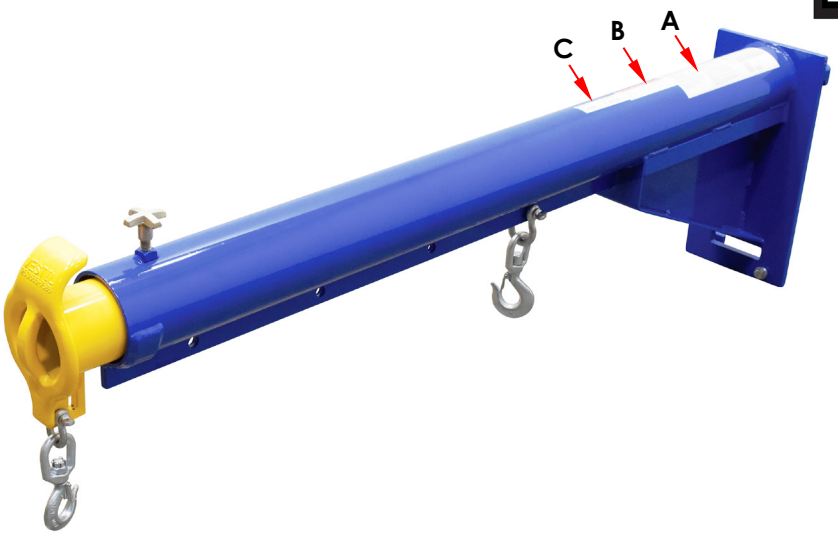


B: Label 1153 on either fork pocket



C: Label 821 on boom





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:

US Mail	Fax	Email
Vestil Manufacturing Corporation	(260) 665-1339	info@vestil.com
2999 North Wayne Street, PO Box 507	Phone	Enter "Warranty service request"
Angola, IN 46703	(260) 665-7586	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 1 year. 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) 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.

LOAD TEST RECORD

Document each load test performed on your boom.

Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________	Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________
Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________	Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________
Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________	Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________
Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________	Date of load test: ____________ Boom serial no. ____________ Boom weight: ____________ Lift truck identification: ____________ Lift truck capacity: ____________ Test load weight: ____________