

**MaterialHandling.com**

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## 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.

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## 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, 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 or even be killed. 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 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.
- DO NOT exceed the maximum rated load (see Label 287 on product).
- 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 load-bearing members; 2) cracked welds; 3) missing or deformed safety chain/strap; 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.



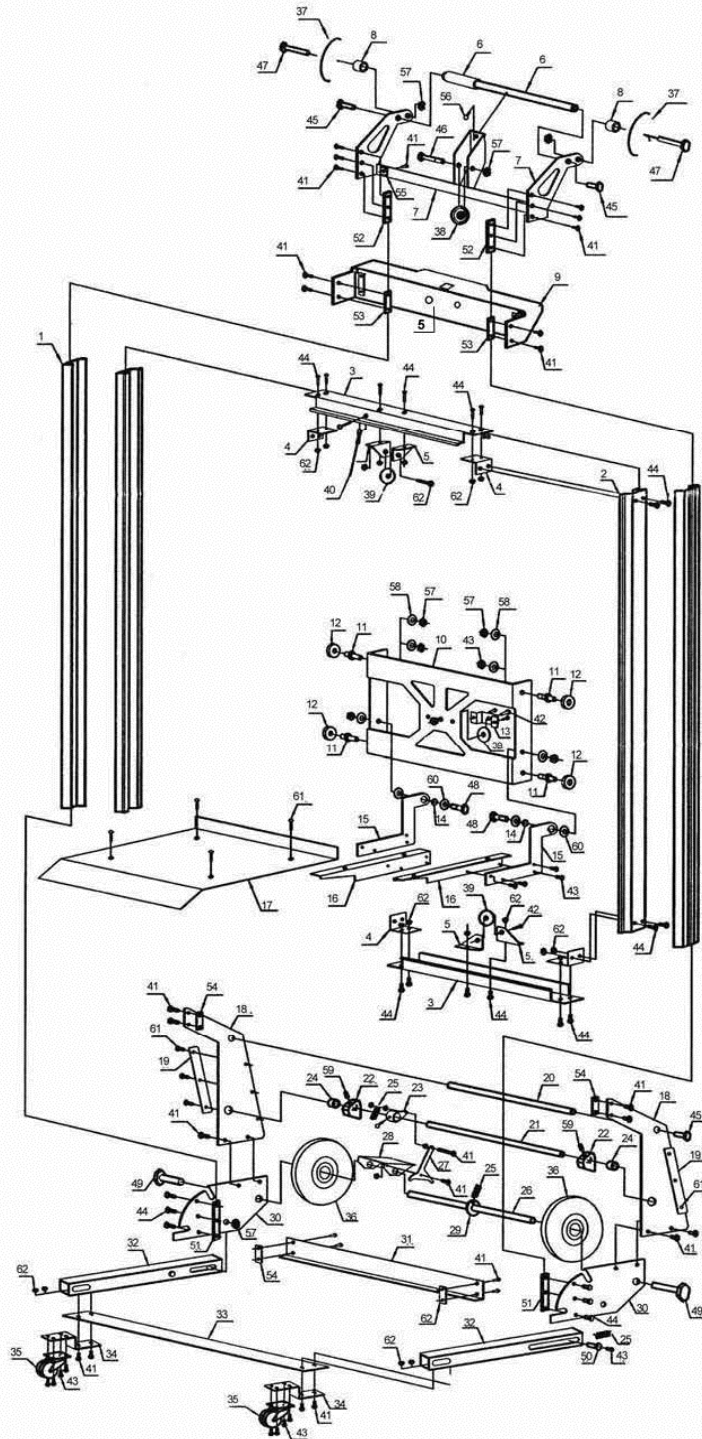
Proper use, maintenance, and storage are essential for this product to function properly.

- o 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.
- o Keep the product clean & dry. Lubricate moving parts.
- o **FOR HYDRAULIC UNITS:** Do not use brake fluid or jack oils in the hydraulic system. If oil is needed, use an anti-wear hydraulic oil with a viscosity grade of 150 SUS at 100°F, (ISO 32 cSt @ 40°C), or Dexron transmission fluid.
- o Contact the manufacturer for MSDS information

## Exploded Parts Diagram and Bill of Materials

### PALL-200 (2014)

#### Main Assembly



# PALL-200 (2014)

## Main Assembly

| PALL-200 (2014) Parts List |                          |      |                   |                              |      |
|----------------------------|--------------------------|------|-------------------|------------------------------|------|
| Parts No.                  | Description              | Q'ty | Parts No.         | Description                  | Q'ty |
| PALL-200-14-1              | Outer Race               | 2    | PALL-200-14-33    | Bottom Wheel Plate           | 1    |
| PALL-200-14-2              | Inner Race               | 2    | PALL-200-14-34    | Connecting Plate             | 2    |
| PALL-200-14-3              | Upper and Lower Beams    | 2    | PALL-200-14-35    | Castor                       | 2    |
| PALL-200-14-4              | Joint angle              | 4    | PALL-200-14-36    | Solid Rear Wheel             | 2    |
| PALL-200-14-5              | Cable Anchor             | 1    | PALL-200-14-37    | Loading Wheel                | 2    |
| PALL-200-14-6              | Operator Handle          | 1    | PALL-200-14-38    | Big Pulley                   | 1    |
| PALL-200-14-7              | Handle Anchor            | 1    | PALL-200-14-39    | Small Pulley                 | 3    |
| PALL-200-14-8              | Sleeve Gasket            | 2    | PALL-200-14-40    | Wire Rope                    | 1    |
| PALL-200-14-9              | Winch Frame              | 1    | PALL-200-14-41    | M6×12 Screw                  | 34   |
| PALL-200-14-10             | Flexible Bracket         | 1    | PALL-200-14-42    | M8×30 Screw                  | 3    |
| PALL-200-14-11             | Pulley Shaft             | 4    | PALL-200-14-43    | M5×8 Screw                   | 18   |
| PALL-200-14-12             | Pulley                   | 4    | PALL-200-14-44    | M6×16 Countersunk Head Screw | 26   |
| PALL-200-14-13             | Pulley frame             | 1    | PALL-200-14-45    | M10×16 Hex Screw             | 4    |
| PALL-200-14-14             | Nylon Bush               | 2    | PALL-200-14-46    | M10×50 Hex Bolt              | 1    |
| PALL-200-14-15             | Support Frame            | 2    | PALL-200-14-47    | M12×70 Hex Bolt              | 2    |
| PALL-200-14-16             | Platform Support         | 2    | PALL-200-14-48    | M14×90 Hex Bolt              | 2    |
| PALL-200-14-17             | Platform                 | 1    | PALL-200-14-49    | M10 Position Bolt            | 2    |
| PALL-200-14-18             | Reinforced Plate         | 2    | PALL-200-14-50    | M10 Limit Bolt               | 2    |
| PALL-200-14-19             | Guard Slip               | 2    | PALL-200-14-51    | Long Depression Bar          | 2    |
| PALL-200-14-20             | Bracing Tube             | 1    | PALL-200-14-52    | 3 Holes Depression Bar       | 2    |
| PALL-200-14-21             | Brake Shaft              | 1    | PALL-200-14-53    | 2 Holes Depression Bar       | 4    |
| PALL-200-14-22             | Brake Pads               | 2    | PALL-200-14-54    | Short Depression Bar         | 4    |
| PALL-200-14-23             | Adjust Sleeve            | 1    | PALL-200-14-55    | Nut                          | 2    |
| PALL-200-14-24             | Sleeve Gasket            | 2    | PALL-200-14-56    | M6×16 Six Angle Screws       | 1    |
| PALL-200-14-25             | Long Spring/Short Spring | 1/2  | PALL-200-14-57    | M10/M12 Lock Nut             | 9/2  |
| PALL-200-14-26             | Pedal Shaft              | 1    | PALL-200-14-58    | 10 Flat Gasket               | 4    |
| PALL-200-14-27             | Connecting Rod           | 1    | PALL-200-14-59    | M8×10 Fastening Screw        | 2    |
| PALL-200-14-28             | Foot Pedal               | 1    | PALL-200-14-60    | Nylon Flat Gasket            | 4    |
| PALL-200-14-29             | Plate                    | 1    | PALL-200-14-61    | 5. 6 Rivet                   | 10   |
| PALL-200-14-30             | Bottom end Plate         | 2    | PALL-200-14-62    | M6 Lock Nut                  | 26   |
| PALL-200-14-31             | Triangular Plate         | 1    | PALL-200-14-WINCH | Winch Assembly               | 1    |
| PALL-200-14-32             | Support Legs             | 2    | PALL-200-14-WHDL  | Winch Handle                 | 1    |

### Label Placement Diagram

# PALL-200

|                                                    |     |
|----------------------------------------------------|-----|
| MODEL/MODELO/MODELE                                |     |
| STATIC CAPACITY (evenly distributed)               | lbs |
| LA CAPACIDAD CONSTANTE (distribuida uniformemente) | kgm |
| CAPACITE STATIQUE (distribuee regulierement)       | kgm |
| SERIAL/SERIE/SÉRIE                                 |     |


  
 HILTI



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[illegible]

|                                                                              |                                                                                                 |                                                                                                           |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>⚠ WARNING</b><br>LOCK CASTER and/or FLOOR LOCK when loading and unloading | <b>⚠ ADVERTENCIA</b><br>La RUEDECILLA de la CERRADURA y/o el PISO CIERRAN al cargar y descargar | <b>⚠ AVERTISSEMENT</b><br>LOCK CASTER et/ou SOL LOCK lors du chargement et de déchargement<br>212 Rev 01m |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

|                                                  |                                                                  |                                                                        |
|--------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>⚠ WARNING</b><br>KEEP CLEAR OF<br>PINCH POINT | <b>⚠ ADVERTENCIA</b><br>MANTENGASE ALEJADO DEL<br>PUNTO DE CORTE | <b>⚠ AVERTISSEMENT</b><br>SE TENIR À DISTANCE DU<br>POINT DE PINCEMENT |
|--------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|

## 208 Both Legs

## PORTABLE ALUM LIFTER

## 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 90 days. 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.

