



MaterialHandling.com

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ABS-130 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.

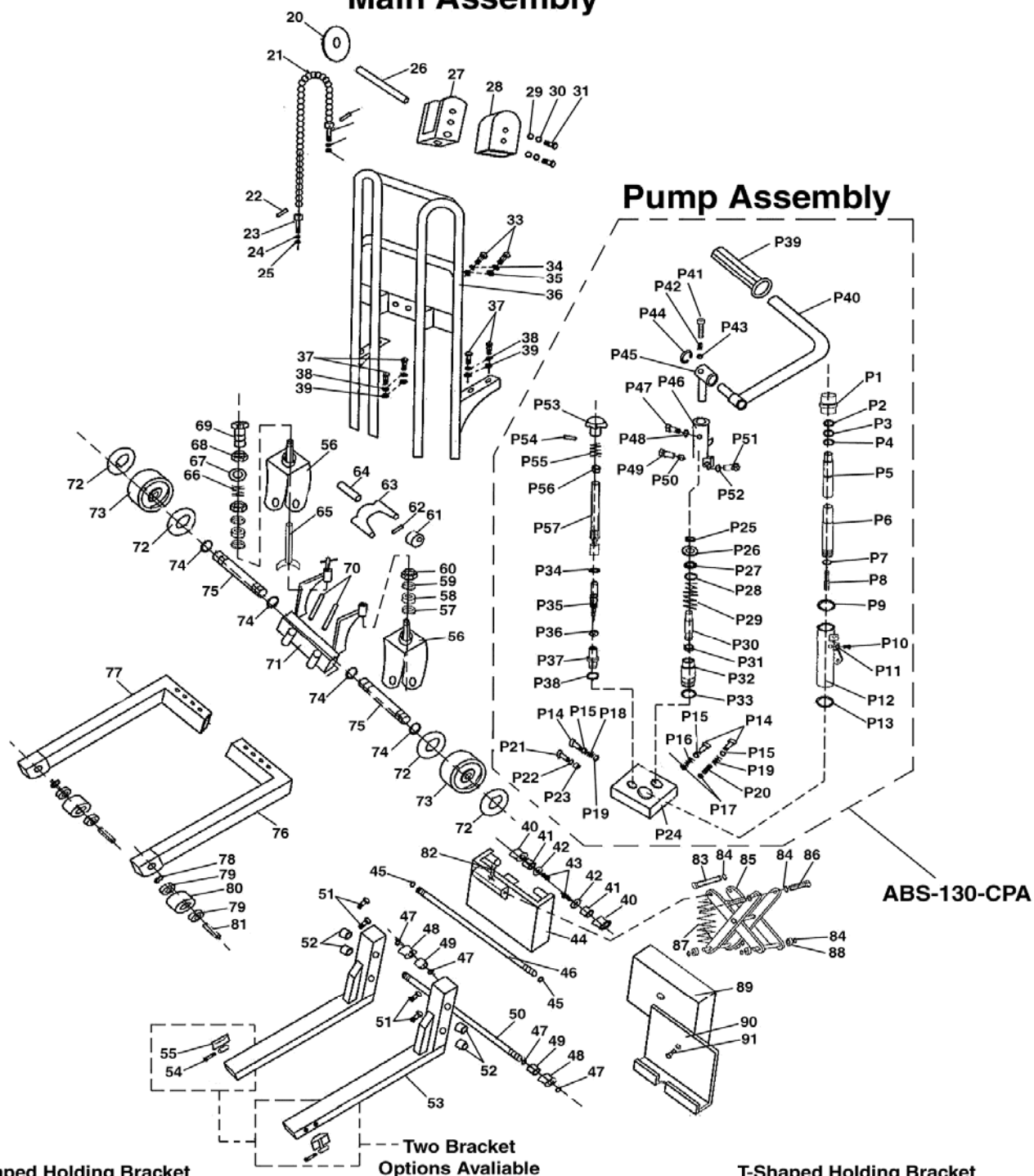
- o Always use this product in accordance with the instructions in this manual and consistent with any training relevant to machines, devices, etc. used in conjunction with this product.
- o Keep the product clean & dry. Lubricate moving parts.
- o **FOR HYDRAULIC UNITS:** Do not use brake fluid or jack 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

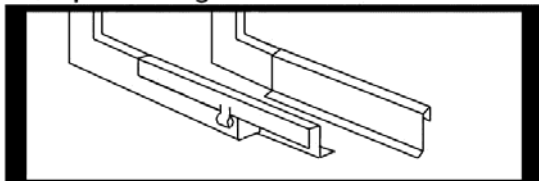
ABS-130(2006)

Main Assembly

Pump Assembly

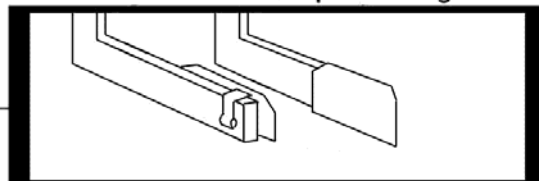


L-Shaped Holding Bracket



Two Bracket Options Available

T-Shaped Holding Bracket



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Complete Parts List

Part No	Description	Q'ty	Part No	Description	Q'ty	Part No	Description	Q'ty
ABS-06-20	Chain Wheel	1	ABS-06-64	Link Shaft	1	ABS-06-P16	Single Valve Spring	1
ABS-06-21	Chain	1	ABS-06-65	Stop Shaft	1	ABS-06-P17	Steel Ball	3
ABS-06-22	Chain Pin	2	ABS-06-66	Spring	1	ABS-06-P18	Single Valve Spring	1
ABS-06-23	Chain Chief	2	ABS-06-67	O-Ring	1	ABS-06-P19	Adjusting Spring	1
ABS-06-24	Flat Washer	2	ABS-06-68	Nut	1	ABS-06-P20	Circular Pin	1
ABS-06-25	Nut	2	ABS-06-69	Hex Cap Bolt	1	ABS-06-P21	Screw	1
ABS-06-26	Shaft	1	ABS-06-70	Pin	2	ABS-06-P22	O-Ring	1
ABS-06-27	Link Wheel Seat	1	ABS-06-71	Beam	1	ABS-06-P23	Down Vavle	1
ABS-06-28	Link Wheel Cover	1	ABS-06-72	Bearing	4	ABS-06-P24	Valve	1
ABS-06-29	Flat Washer	2	ABS-06-73	Wheel	2	ABS-06-P25	Lock C-Ring	1
ABS-06-30	Lock Washer	2	ABS-06-74	C-Ring	4	ABS-06-P26	Spring Seat	1
ABS-06-31	Phillips Head Bolt	2	ABS-06-75	Wheel Shaft	2	ABS-06-P27	O-Ring	1
ABS-06-32	Cylinder Assembly	1	ABS-06-76	Left Frame Seat	1	ABS-06-P28	O-Ring	1
ABS-06-33	Lock Washer	2	ABS-06-77	Right Frame Seat	1	ABS-06-P29	Spring	1
ABS-06-34	Bolt	2	ABS-06-78	C-Ring	4	ABS-06-P30	Pump Piston	1
ABS-06-35	Nut	2	ABS-06-79	Bearing	4	ABS-06-P31	Y-Ring	1
ABS-06-36	Handle	1	ABS-06-80	Small Wheel	2	ABS-06-P32	Pump Cylinder	1
ABS-06-37	Hex Cap Bolt	4	ABS-06-81	Small Wheel Shaft	2	ABS-06-P33	O-Ring	1
ABS-06-38	Lock Washer	4	ABS-06-82	Sdjusting Screw	1	ABS-06-P34	O-Ring	1
ABS-06-39	Nut	4	ABS-06-83	Shaft	2	ABS-06-P35	Stop Screw	1
ABS-06-40	Roller Guide	2	ABS-06-84	C-Ring	7	ABS-06-P36	Steel Ball	1
ABS-06-41	Oil Bearing	2	ABS-06-85	Link Holder	1	ABS-06-P37	Stop Valve Cover	1
ABS-06-42	Washer	2	ABS-06-86	Shaft	2	ABS-06-P38	O-Ring	1
ABS-06-43	Hex Cap Bolt	2	ABS-06-87	Draw Spring	1	ABS-06-P39	Foot Lever Cover	1
ABS-06-44	Frame	1	ABS-06-88	Bearing	4	ABS-06-P40	Foot Lever	1
ABS-06-45	C-Ring	6	ABS-06-89	Table	1	ABS-06-P41	Hex Cap Bolt	1
ABS-06-46	Long Shaft	1	ABS-06-90	Bolt	1	ABS-06-P42	Spring	1
ABS-06-47	Washer	2	ABS-06-91	Bolt	1	ABS-06-P43	Steel Ball	1
ABS-06-48	Roller Guide	2				ABS-06-P44	Lock Pin	1
ABS-06-49	Oil Bearing	1	ABS-06-P1	Cylinder Cover	1	ABS-06-P45	Link Assembly	1
ABS-06-50	Long Shaft	4	ABS-06-P2	Dust Cover	1	ABS-06-P46	Foot Seat	1
ABS-06-51	Butterfly Bolt	4	ABS-06-P3	Seal Ring	1	ABS-06-P47	Hex Cap Bolt	1
ABS-06-52	Bushing	2	ABS-06-P4	O-Ring	1	ABS-06-P48	Nut	1
ABS-06-53	Fame	2	ABS-06-P5	Pump Piston	1	ABS-06-P49	Shaft	1
ABS-06-54	Hex Cap Bolt	6	ABS-06-P6	Inside Cylinder Body	1	ABS-06-P50	Roller	1
ABS-06-55	Cart Holder Assembly	2	ABS-06-P7	Down Washer	1	ABS-06-P51	Shaft	1
ABS-06-56	Wheel Holder	2	ABS-06-P8	Filter Oil Nut	1	ABS-06-P52	C-Ring	2
ABS-06-57	Bearing	2	ABS-06-P9	Top Washer	1	ABS-06-P53	Hex Handle	1
ABS-06-58	Bearing	2	ABS-06-P10	Screw	1	ABS-06-P54	Socket Set Screw	1
ABS-06-59	Bearing	2	ABS-06-P11	O-Ring	1	ABS-06-P55	Reverse Spring	1
ABS-06-60	Nut	1	ABS-06-P12	Out Cylinder Body	1	ABS-06-P56	Bushin	1
ABS-06-61	Convex Roller	2	ABS-06-P13	Down Washer	1	ABS-06-P57	Hex Cap Bolt	1
ABS-06-62	Socket Set Screw	1	ABS-06-P14	Spring	3			
ABS-06-63	Foot Seat	1	ABS-06-P15	O-Ring	3			

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Main Assembly Parts List

Part No	Description	Q'ty	Part No	Description	Q'ty
ABS-06-20	Chain Wheel	1	ABS-06-56	Wheel Holder	2
ABS-06-21	Chain	1	ABS-06-57	Bearing	2
ABS-06-22	Chain Pin	2	ABS-06-58	Bearing	2
ABS-06-23	Chain Chief	2	ABS-06-59	Bearing	2
ABS-06-24	Flat Washer	2	ABS-06-60	Nut	1
ABS-06-25	Nut	2	ABS-06-61	Convex Roller	2
ABS-06-26	Shaft	1	ABS-06-62	Socket Set Screw	1
ABS-06-27	Link Wheel Seat	1	ABS-06-63	Foot Seat	1
ABS-06-28	Link Wheel Cover	1	ABS-06-64	Link Shaft	1
ABS-06-29	Flat Washer	2	ABS-06-65	Stop Shaft	1
ABS-06-30	Lock Washer	2	ABS-06-66	Spring	1
ABS-06-31	Phillips Head Bolt	2	ABS-06-67	O-Ring	1
ABS-06-32	Cylinder Assembly	1	ABS-06-68	Nut	1
ABS-06-33	Lock Washer	2	ABS-06-69	Hex Cap Bolt	1
ABS-06-34	Bolt	2	ABS-06-70	Pin	2
ABS-06-35	Nut	2	ABS-06-71	Beam	1
ABS-06-36	Handle	1	ABS-06-72	Bearing	4
ABS-06-37	Hex Cap Bolt	4	ABS-06-73	Wheel	2
ABS-06-38	Lock Washer	4	ABS-06-74	C-Ring	4
ABS-06-39	Nut	4	ABS-06-75	Wheel Shaft	2
ABS-06-40	Roller Guide	2	ABS-06-76	Left Frame Seat	1
ABS-06-41	Oil Bearing	2	ABS-06-77	Right Frame Seat	1
ABS-06-42	Washer	2	ABS-06-78	C-Ring	4
ABS-06-43	Hex Cap Bolt	2	ABS-06-79	Bearing	4
ABS-06-44	Frame	1	ABS-06-80	Small Wheel	2
ABS-06-45	C-Ring	6	ABS-06-81	Small Wheel Shaft	2
ABS-06-46	Long Shaft	1	ABS-06-82	Sdjusting Screw	1
ABS-06-47	Washer	2	ABS-06-83	Shaft	2
ABS-06-48	Roller Guide	2	ABS-06-84	C-Ring	7
ABS-06-49	Oil Bearing	1	ABS-06-85	Link Holder	1
ABS-06-50	Long Shaft	4	ABS-06-86	Shaft	2
ABS-06-51	Butterfly Bolt	4	ABS-06-87	Draw Spring	1
ABS-06-52	Bushing	2	ABS-06-88	Bearing	4
ABS-06-53	Fame	2	ABS-06-89	Table	1
ABS-06-54	Hex Cap Bolt	6	ABS-06-90	Bolt	1
ABS-06-55	Cart Holder Assembly	2	ABS-06-91	Bolt	1

ABS-130 (2006)**Pump Assembly (P) Parts List**

Part No	Description	Q'ty	Part No	Description	Q'ty
ABS-06-P1	Cylinder Cover	1	ABS-06-P30	Pump Piston	1
ABS-06-P2	Dust Cover	1	ABS-06-P31	Y-Ring	1
ABS-06-P3	Seal Ring	1	ABS-06-P32	Pump Cylinder	1
ABS-06-P4	O-Ring	1	ABS-06-P33	O-Ring	1
ABS-06-P5	Pump Piston	1	ABS-06-P34	O-Ring	1
ABS-06-P6	Inside Cylinder Body	1	ABS-06-P35	Stop Screw	1
ABS-06-P7	Down Washer	1	ABS-06-P36	Steel Ball	1
ABS-06-P8	Filter Oil Nut	1	ABS-06-P37	Stop Valve Cover	1
ABS-06-P9	Top Washer	1	ABS-06-P38	O-Ring	1
ABS-06-P10	Screw	1	ABS-06-P39	Foot Lever Cover	1
ABS-06-P11	O-Ring	1	ABS-06-P40	Foot Lever	1
ABS-06-P12	Out Cylinder Body	1	ABS-06-P41	Hex Cap Bolt	1
ABS-06-P13	Down Washer	1	ABS-06-P42	Spring	1
ABS-06-P14	Spring	3	ABS-06-P43	Steel Ball	1
ABS-06-P15	O-Ring	3	ABS-06-P44	Lock Pin	1
ABS-06-P16	Single Valve Spring	1	ABS-06-P45	Link Assembly	1
ABS-06-P17	Steel Ball	3	ABS-06-P46	Foot Seat	1
ABS-06-P18	Single Valve Spring	1	ABS-06-P47	Hex Cap Bolt	1
ABS-06-P19	Adjusting Spring	1	ABS-06-P48	Nut	1
ABS-06-P20	Circular Pin	1	ABS-06-P49	Shaft	1
ABS-06-P21	Screw	1	ABS-06-P50	Roller	1
ABS-06-P22	O-Ring	1	ABS-06-P51	Shaft	1
ABS-06-P23	Down Vavle	1	ABS-06-P52	C-Ring	2
ABS-06-P24	Valve	1	ABS-06-P53	Hex Handle	1
ABS-06-P25	Lock C-Ring	1	ABS-06-P54	Socket Set Screw	1
ABS-06-P26	Spring Seat	1	ABS-06-P55	Reverse Spring	1
ABS-06-P27	O-Ring	1	ABS-06-P56	Bushin	1
ABS-06-P28	O-Ring	1	ABS-06-P57	Hex Cap Bolt	1
ABS-06-P29	Spring	1			

Label Placement Diagram

ABS-130

Around top of
Cylinder

⚠ WARNING

Only trained, authorized persons should operate this device. Improper operation might result in serious personal injuries sustained by the truck operator and/or bystanders. Operators must observe the following safety-unloading practices:

- BEFORE operating, inspect mast, carriage, fork/telescopic, castles/chains, wheels, and frame for damage. DO NOT use if damaged.
- ALWAYS walk behind path before using fork to identify hazards.
- DO NOT contact electrical lines or overhead objects with device or load.
- DO NOT travel up/down inclines if an alternate route is available.
- DO NOT travel over debris.
- ONLY travel with fork/telescopic in lowest position appropriate for conditions.
- ALWAYS ensure load is fork/telescopic.
- ONLY drive or operate truck functions from operator position.
- DO NOT exceed maximum rated load capacity.
- DO NOT allow people to ride on device.
- DO NOT let loads over people. DO NOT permit people to walk beneath the fork/telescopic when raised (loaded or unloaded).
- DO NOT leave unattended LIFT, fully lowered AND unloaded.
- DO NOT modify device in any way.

⚠ ADVERTENCIA

Solo personal entrenado y autorizado deben operar este equipo. La operación inadecuada podría resultar en daños serios al operador del camión y/o a los transeúntes. Los operadores deben observar y seguir las siguientes prácticas de seguridad:

- ANTES de usar, inspeccione el muelle, el equipo, las horquillas/telescopios, cadenas, ruedas y marco por daños. NO use si se encuentran dañados.
- SIEMPRE camine el trayecto de viaje antes de usar el camión para identificar riesgos.
- NO toque las líneas eléctricas u objetos altos con el dispositivo o la carga.
- NO viaje en inclinaciones de subida y bajada si hay una ruta alternativa.
- NO viaje sobre escombros.
- SOLO viaje con las horquillas/telescopios en la posición de descenso más apropiada para las condiciones.
- SIEMPRE asegure la carga a las horquillas/telescopios.
- SOLO conduzca u opere las funciones del camión desde la posición del operador.
- NO exceda la capacidad máxima rated de carga.
- NO permita que la gente viaje en el equipo.
- NO permita que la gente camine debajo de las horquillas/telescopios cuando este elevada (con carga o sin carga).
- NO deje el equipo desatendido LIFT, totalmente bajado Y desatornillado.
- NO modifique el equipo de ninguna manera.

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Rev. 11/08



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

287

covered with 770 (clear overlay)



906

ISO 32 / 150 SUS
HYDRAULIC OIL OR NON-SYNTHETIC TRANSMISSION FLUID
ACEITE HIDRAULICO O LIQUIDOS DE TRANSMISION NO SINTETICOS
HUILE OU LIQUIDE HYDRAULIQUE NON-SYNTHEIQUE

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⚠ WARNING
LOCK CASTER and/or FLOOR LOCK when loading and unloading.

⚠ ADVERTENCIA
La RUEDECILLA de la CERRADURA y/o el PISO CIERRAN al cargar y descargar.

⚠ AVERTISSEMENT
LOCK CASTER et/ou SOL LOCK lors du chargement et de déchargement.

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(Qty 2)

⚠ WARNING
KEEP CLEAR OF PINCH POINT

⚠ ADVERTENCIA
MANTENGASE ALEJADO DEL PUNTO DE CORTE

⚠ AVERTISSEMENT
SE TENIR À DISTANCE DU POINT DE PINCEMENT

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(Qty 2)

BOX STACKER ADJUSTABLE

File Name: ABS-130, Label Page, 0912

9-21-2012

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.

