



MaterialHandling.com

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PWS-7070 PORTABLE WELDING SCREEN



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>.

Table of Contents

	Page
Signal Words	2
Safety Instructions	2
Exploded View and Bill of Materials	3
Assembling the Welding Screen	4 - 6
Using the Welding Screen	7
Record of Satisfactory Condition	7
Inspecting & Maintaining the Welding Screen	7
Labeling Diagram	8
Limited Warranty	9

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.



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.

SAFETY INSTRUCTIONS

Vestil strives to identify all foreseeable hazards associated with the use of its products. 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 of this product could result in death or serious personal injuries.

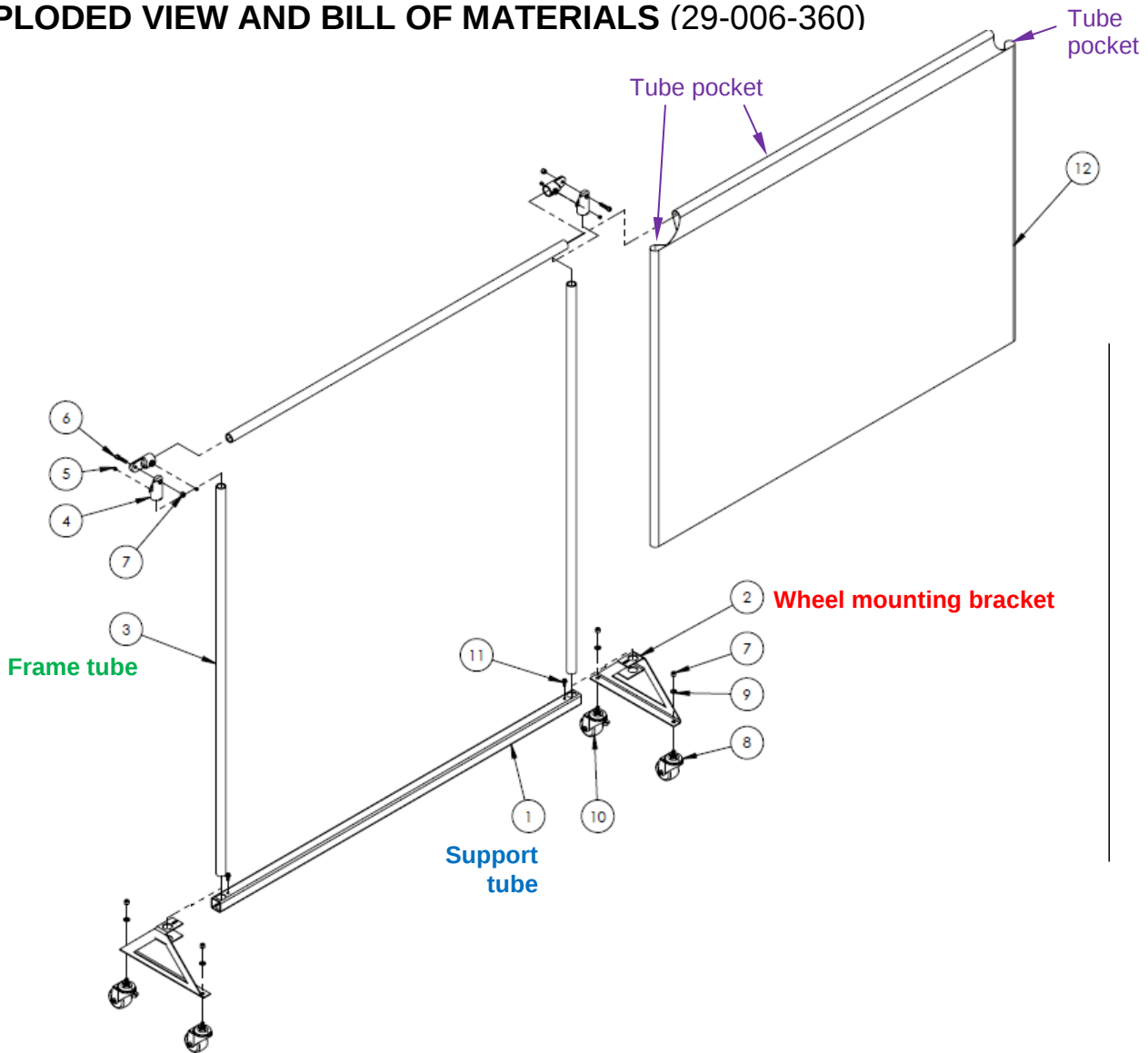
- *Read and understand the entire manual before assembling, installing, using or servicing the product.* Read the manual to refresh your understanding of proper use and maintenance procedures.
- DO NOT attempt to resolve any problem(s) with the product unless you are qualified to do so.
- DO NOT use the welding screen for any purpose other than that for which it was designed. Use the welding screen to reduce glare from welding operations for bystanders.
- DO NOT modify the product in any way **UNLESS** you first obtain written approval from Vestil. Unapproved modifications automatically void the **LIMITED WARRANTY** on p. 9 and might make the product unsafe to use.
- DO NOT park the unit on an incline. Although the screen is equipped with 2 locking casters (casters with brakes), the brakes help the unit resist movement. They do not prevent movement. **ONLY** park the unit on flat, level surfaces.
- Inspect the product according to the instructions in **INSPECTING & MAINTAINING THE WELDING SCREEN**. DO NOT use the product unless it is in **SATISFACTORY CONDITION**.
- DO NOT use this screen **UNLESS** all product labels are in place, readable, and undamaged. See **LABELING DIAGRAM** on p. 8. Replace missing or damaged labels, or labels that are not easily readable.

NOTICE

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

- Always use this product in accordance with the instructions in this manual and consistently with any training relevant to machines, devices, etc. used in conjunction with this product.
- Replace damaged parts with manufacturer-approved parts.
- Keep the product clean & dry.

EXPLODED VIEW AND BILL OF MATERIALS (29-006-360)



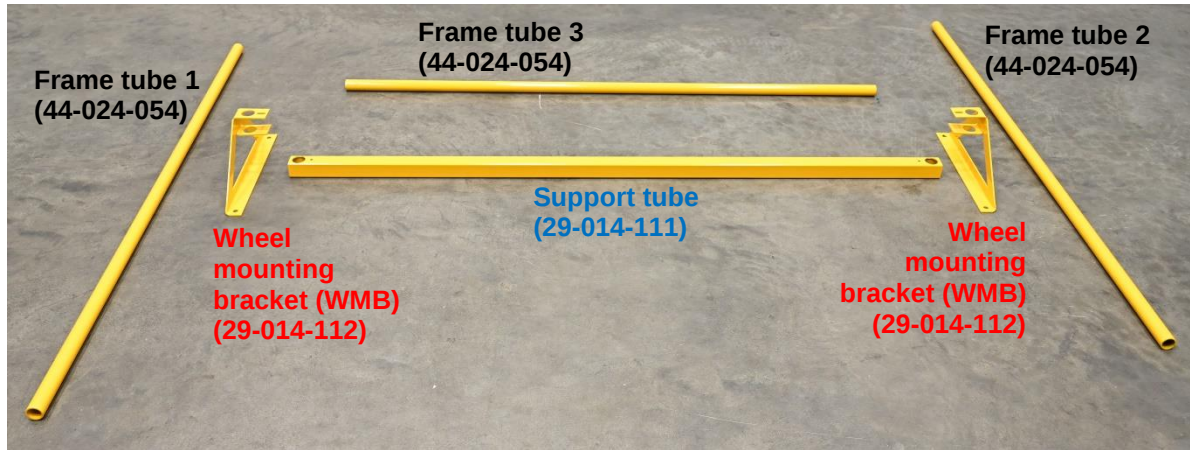
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	29-014-111	FRAME, TUBE, SUPPORT ("SUPPORT TUBE")	1
2	29-014-112	WHEELED FOOT, FRAME ("WHEEL MOUNTING BRACKET")	2
3	44-024-054	GUARD, 64 1/8" LONG ("FRAME TUBE")	3
4	44-016-011	CAST BRACKET ("TUBE COUPLER")	4
5	25537	3/8-16 X 3/8 CUP-POINT SET SCREW ("SET SCREW" of tube coupler)	4
6	23309	SHCS UTILITY GRADE, 3/8-16 UNC X 1 1/2" LONG	2
7	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8-16	6
8	16-132-164-601	3" STEM CASTER	2
9	33082	3/8" WASHER ZINC PLATED, SAE FLAT	4
10	16-132-163-601	3" STEM CASTER, SWIVEL W/BRAKE	2
11	32416	THREAD CUTTING SCREW, SLOTTED, TYPE F, ZINC PLATED, 5/16-18 X 3/4	2
12	29-053-001	WELD SCREEN, 12MIL. TINTED TRANSPARENT VINYL ("SCREEN")	1

ASSEMBLING THE PRODUCT

Tools needed:

- Mallet (rubber or composite)
- 1/2" socket or wrench
- 9/16" socket or wrench
- 5/16" Allen wrench
- 3/16" Allen wrench

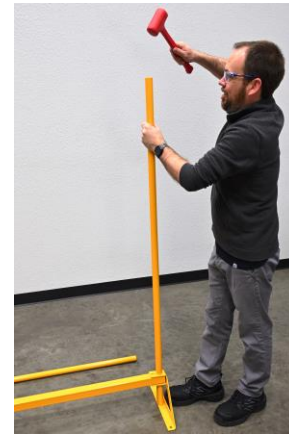
Numbers in parentheses () refer to part numbers in the Exploded View and Bill of Materials on p. 3.



- 1) Align the large holes of the **wheel mounting brackets** (29-014-112) with the large holes in the square **support tube** (29-014-111).



- 2) Insert **frame tubes 1 & 2** (44-024-054) through the holes in the support tube and wheel mounting brackets ("**WMB**") until they rest on the base of the **WMB's**. Tap with a mallet, if necessary.



- 3) Install thread-cutting screws (32416) in the pre drilled holes of the **WMB's**. Use a 1/2" socket, 1/2" wrench, or flat-head screwdriver to drive the screws. Do not overtighten the screws.



Thread-cutting screw (32416)



- 4) Carefully lay the assembly over on its side.
- 5) Install the stems of the 3" swivel stem casters with brakes (16-132-163-601) into the upper stem hole of each **WMB**. Slide a 3/8" flat washer (33082) onto the stem of each caster followed by a 3/8"-16 Nylock nut (37024). Tighten the lock nuts with a 9/16" socket or 9/16" wrench.



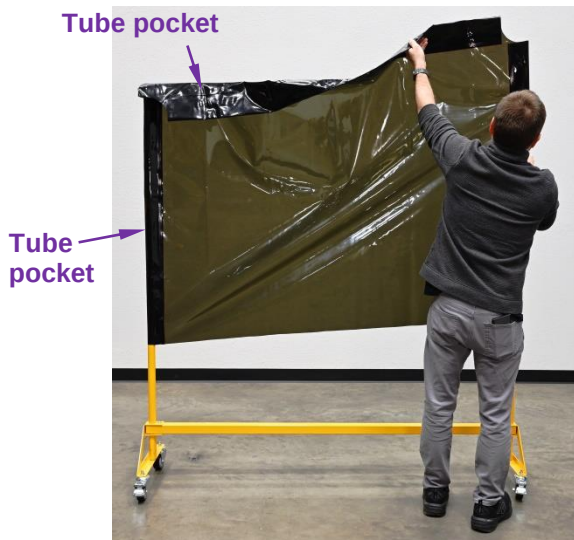
- 6) Stand unit up and apply the caster brakes by pressing the brake levers down.
- 7) Lay down again, this time on the other side (i.e. not the same as in step 4). Install the stems of the 3" stem casters (16-132-164-601) through the open holes in the WMB's. Apply 3/8" flat washers (33082) and 3/8" nylock nuts (37024). Tighten the lock nuts.



- 8) Stand unit up, i.e. on the casters.

- 9) Examine the **screen**. Notice that there are **tube pockets** along 3 of the edges of the screen. Orient the screen so that the pockets are on top and on both sides. Then, slide the side pockets over the 2 vertical **frame tubes**.

Tube pocket

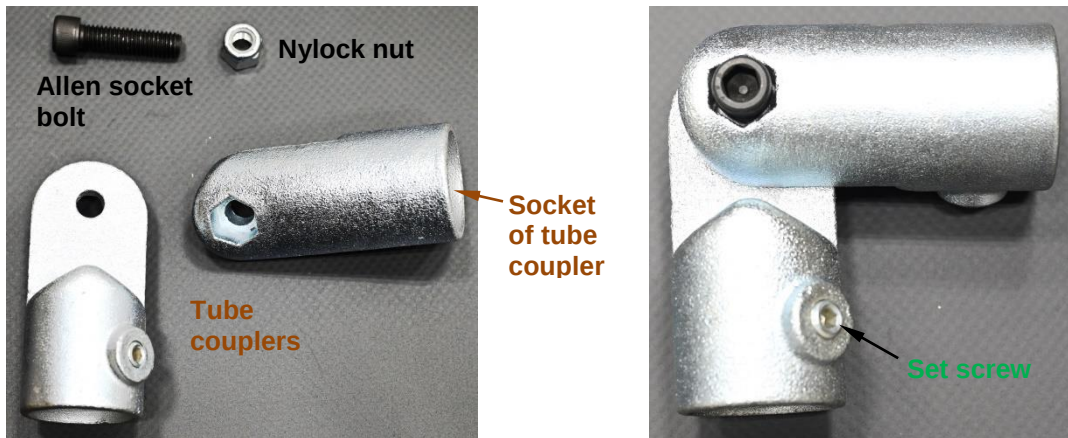


Install last
frame tube
into upper
tube pocket

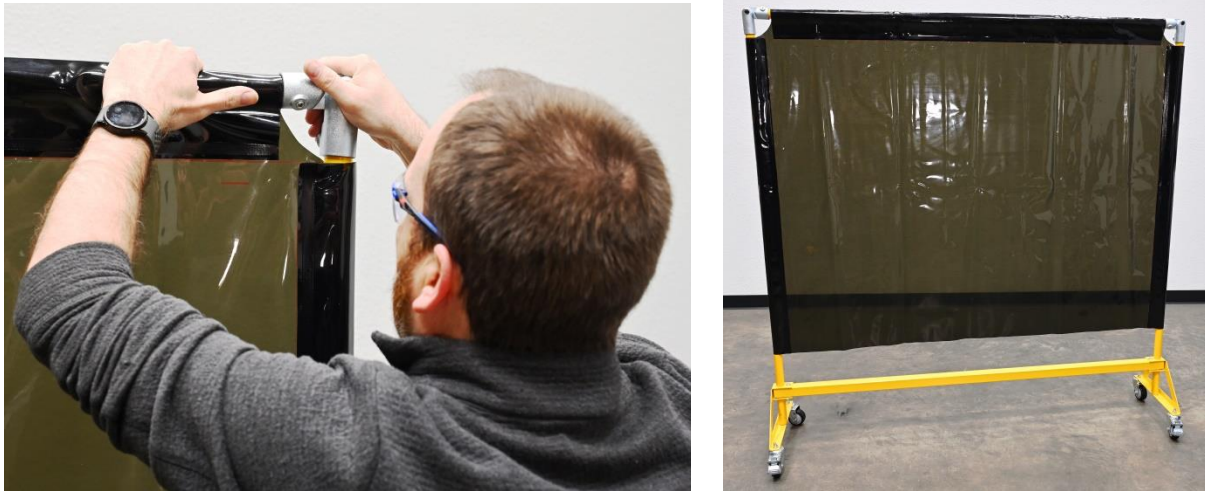


- 10) Slide the remaining **frame tube** through the tube pocket along the top edge of the **screen**.

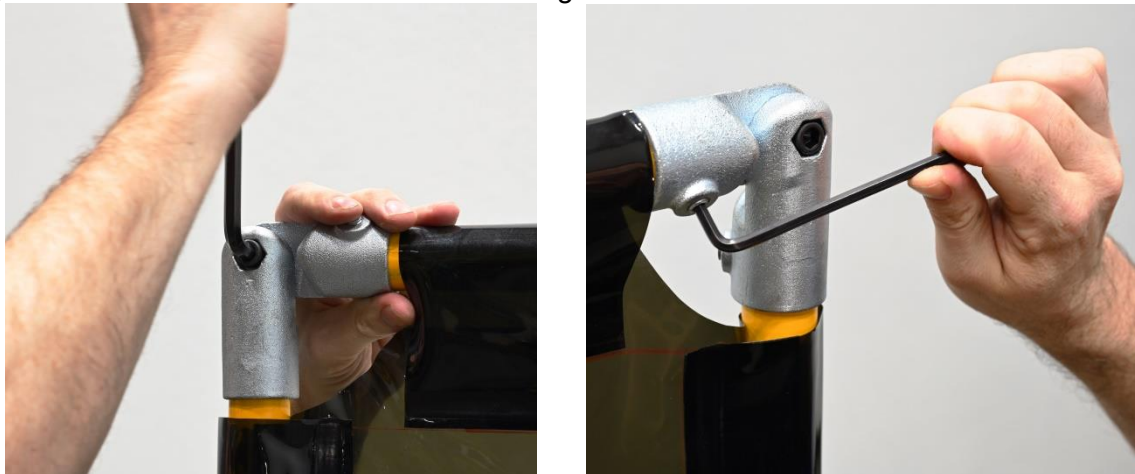
- 11) Combine pairs of **tube couplers** with 3/8"-16x1.5" Allen socket bolts (44-016-011) and 3/8" Nylock nut (37024). Use a 5/16" Allen wrench to tighten the bolt and nut, but don't fully tighten the connections at this time.



- 12) Install a pair of **tube couplers** at each upper corner of the frame. Slide the sockets (of the tube couplers) onto the ends of the **frame tubes**. If necessary, loosen but do not remove the **set screw** (25537) of a **coupler** just enough to allow the socket to slide onto a tube. Use a 3/16" Allen wrench to loosen the **set screws**.



- 13) Adjust the **tube couplers** as necessary to make right angle (90°) connections at both corners.
 14) Tighten the Allen socket bolt connections using a 5/16" Allen wrench.



- 15) Tighten all 4 **set screws** using a 3/16" Allen wrench.

USING THE WELDING SCREEN

Position the screen as necessary to provide glare protection to bystanders. Apply the brakes of both swiveling-casters-with-brakes whenever the unit is stopped. Apply brakes by pressing the brake levers down. Release brakes by lifting the brake levers.



RECORD OF SATISFACTORY CONDITION (THE “RECORD”)

After the unit is assembled and before it is put into regular service, make a detailed record of its appearance, operation, and condition. Photograph and/or make a video that clearly shows all frame elements, fasteners, casters, points of contact between frame elements, and labels. Collect all photographs and/or videos and writings in a file. This file is a record of the product in satisfactory condition. Compare the results of each inspection to this *RECORD* to determine if the unit remains in satisfactory condition. Do not use the product unless it is in satisfactory condition.

INSPECTING AND MAINTAINING THE WELDING SCREEN

Compare inspection results to the [RECORD](#). Do not continue to use the product unless every component is in [SATISFACTORY CONDITION](#). Cosmetic changes, like damaged paint/powder coat do not constitute changes from satisfactory condition. However, touchup paint should be applied to all affected areas as soon as damage occurs.

DON'T GUESS! If you are uncertain whether your welding screen is in acceptable condition to use, contact the [TECHNICAL SERVICE AND PARTS DEPARTMENT](#) to order replacement parts. Contact information is provided on the cover page of this manual.

Inspect the following at least once per month:

1. Surfaces – Check all surfaces of the product for dirt or other matter. Clean the surfaces with a mild soap and water solution and air dry.
2. Hardware, fasteners – Examine hardware & fasteners (bolts, screws, washers, nuts, etc.). Replace damaged/worn hardware. Anytime a lock nut is unfastened from a bolt, it must be replaced with a new lock nut.
3. Casters – Inspect each caster closely. Confirm that brakes operate correctly by applying the brakes. Try to move the screen while brakes are applied. NOTE: Brakes will not prevent the screen from moving, but help the unit resist movement. Examine the wheels for cracks, tears, and significant wear. Wheels should roll smoothly over the ground. Caster stems must not be bent or cracked.
4. Screen – Check the screen for holes, cuts, tears, and other damage.
5. Frame – Examine the frame for wear, breaks, corrosion/rust, metal fatigue, and other forms of damage (e.g. impact damage). In particular, examine connections, contact points, and ground-contacting elements. If rusting is purely superficial, remove the rust/corrosion. Clean the affected area and apply touchup paint. If rusting, rot, or thinning has weakened the material, contact [TECHNICAL SERVICE](#) for advice.
6. Labels– Replace damaged labels and labels that are not easily readable from a reasonable distance.

LABELING DIAGRAM

Label content and locations are subject to change so your product might not be labeled exactly as shown. Compare this diagram to the [RECORD](#). If differences exist between the diagram and the *RECORD*, contact [TECHNICAL SERVICE](#). Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at <https://www.vestil.com/page-parts-request.php>. 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 1112

MODEL / MODÉLO / MODÈLE _____
WEIGHT / PESO / MASSE _____
SERIAL / SERIE / SÉRIE _____

1112

B: Label 212

⚠ WARNING	⚠ ADVERTENCIA
Immobilize by applying all brakes, caster brakes, floor locks, and other braking features when loading, unloading, or left unattended.	Inmovilice aplicando todos los frenos, frenos de ruedas, bloqueos de piso y otras funciones de frenado al cargar, descargar o dejarlo desatendido.

— 22



LIMITED WARRANTY

Vestil Manufacturing Company ("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 Company 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, 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 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 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 Co. 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.