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PWPS Modular Steel Platform System



PWPS-HR-36-YL



PWPS-ST-#-##-BKYL



PWPS (platform)

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
Specifications.....		3
Exploded Views and Bills of Materials (PWPS-ST; PWPS Platforms; PWPS-HR).....		3, 4, 5, 6, 7
Labeling Diagram.....		7
Assembling the Platform System.....		8, 9
Installation.....		10
Record of Satisfactory Condition.....		10
Inspections and Maintenance.....		10
Limited Warranty.....		11

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 to cause property damage. The following are signal words used in this manual and their definitions.

 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

Improper or careless operation might result in serious personal injuries or death.

- Read and understand the entire manual before assembling, installing, using, or maintaining the platform system. Read the manual whenever necessary to refresh your understanding of proper use and maintenance procedures.
- DO NOT exceed the capacity of any component. Capacity information appears on label 1153. See [LABELING DIAGRAM](#) on p. 7.
- DO NOT use the platform if any unusual noise or movement is observed while weight is applied. If a malfunction occurs, tag the system "Out of service" and notify your supervisor or maintenance personnel about the issue.
- DO NOT use the stairway UNLESS it is securely fastened to the floor.
- DO NOT use the platform system as storage space.
- DO NOT remove or obscure any label. All product labels must be easily readable.
- DO NOT modify any component of the system without first obtaining written approval from Vestil. Unauthorized modifications automatically void the limited warranty and might make the system unsafe to use. See [LIMITED WARRANTY](#) on p. 11.

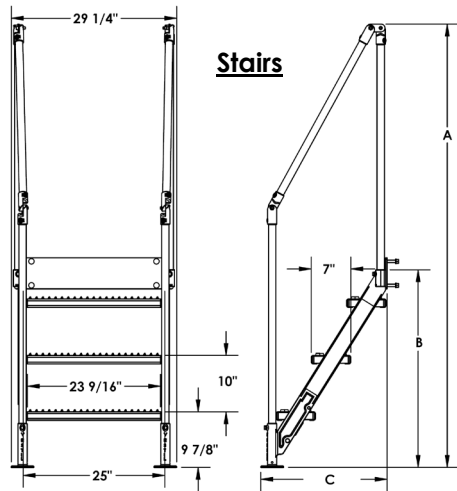
NOTICE

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

- Always use this product in accordance with the instructions in this manual.
- Do not install the system in corrosive environments. Keep all system components clean & dry.

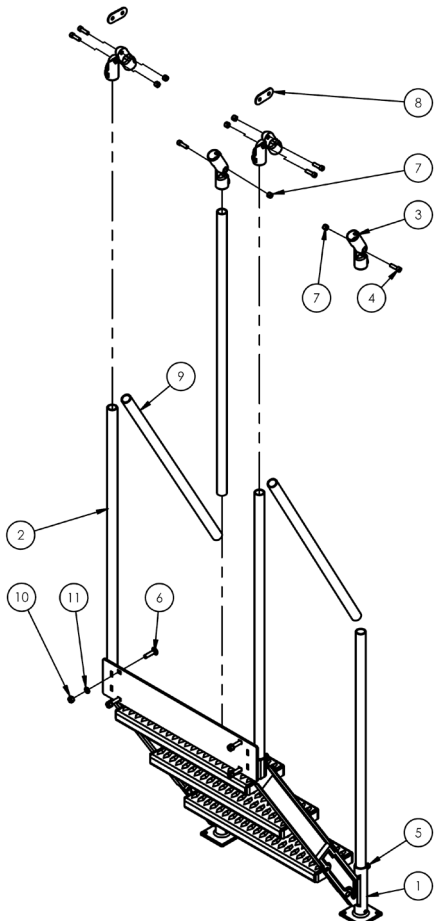
SPECIFICATIONS

Dimensions, net weight, and capacity information for each PWPS platform system component are provided in the following diagrams and table. Specifications are subject to change from time to time. Specifications documents for PWPS components are provided on Vestil's website. To access the appropriate specifications document, navigate to the relevant webpage: <https://www.vestil.com/product.php?FID=610>. Click the "Product Specifications Table" drop-down menu bar partway down the page. Scroll down to the entries for the components you purchased and click the buttons in the column titled "PDF's". Each PDF button looks like a pencil inside a box. When a PDF button is pressed, a PDF file opens. This file is the specifications document for the component. The following information is current as of the revision date of this manual. However, you should download a copy of the Specifications documents for your components as soon as you receive your order.



Model	# of steps	A	B	C	Net Weight
PWPS-ST-2-30	2	68 ⁵ / ₈ "	25 ¹ / ₁₆ "	16 ¹ / ₁₆ "	93 lb.
PWPS-ST-3-40	3	78 ⁵ / ₈ "	35 ¹ / ₁₆ "	22 ⁵ / ₁₆ "	110 lb.
PWPS-ST-4-50	4	88 ⁹ / ₁₆ "	45"	28 ⁹ / ₁₆ "	127 lb.
PWPS-ST-5-60	5	98 ⁹ / ₁₆ "	55"	34 ¹³ / ₁₆ "	144 lb.
PWPS-ST-6-70	6	108 ⁹ / ₁₆ "	65"	41 ¹ / ₁₆ "	161 lb.

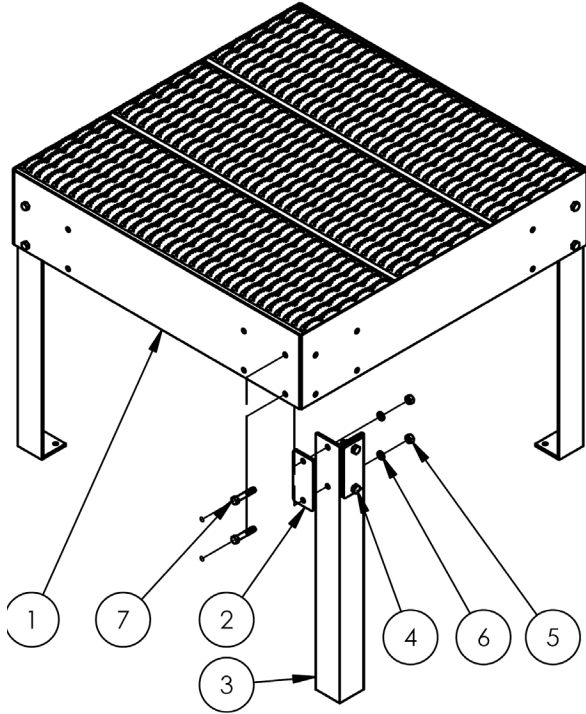
PWPS-ST EXPLODED VIEW AND BILL OF MATERIALS (44-006-329)



Item	Part no.	Description	Qty.
1	44-514-256	WELDMENT, LADDER PWPS-ST-2-30: 30" PLATFORM HT.	1
	44-514-257	PWPS-ST-3-40: 40" PLATFORM HT.	1
	44-514-258	PWPS-ST-4-50: 50" PLATFORM HT.	1
	44-514-259	PWPS-ST-5-60: 60" PLATFORM HT.	1
	44-514-260	PWPS-ST-6-70: 70" PLATFORM HT.	1
2	44-025-016	GUARD, HANDRAIL, STEPS	4
3	44-516-016	ASSEMBLY, HANDRAIL, PIPE END	8
4	23307	SHCS, UTILITY GRADE, 3/8 - 16 x 1 1/4 LG.	6
5	11103	HEX BOLT, GRADE A, ZINC PLATED, 3/8-16X3/4	4
6	21460	BOLT, CARRIAGE, GRADE A, 7/16-14UNC x 1 3/4" LG. ZINC	4
7	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8"-16	6
8	44-016-012	BRACKET, UPPER HANDRAIL	2
9	44-025-014	GUARD, HANDRAIL, STEPS PWPS-ST-2-30-BKYL	2
	44-025-015	PWPS-ST-3-40-BKYL	2
	44-025-019	PWPS-ST-4-50-BKYL	2
	44-025-017	PWPS-ST-5-60-BKYL	2
	44-025-018	PWPS-ST-6-70-BKYL	2
10	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	4
11	33624	LOCK WASHER, Z PLATED, Ø 7/16	4

PWPS-30-3636 & PWPS-40-3636 EXPLODED VIEW & BILL OF MATERIALS

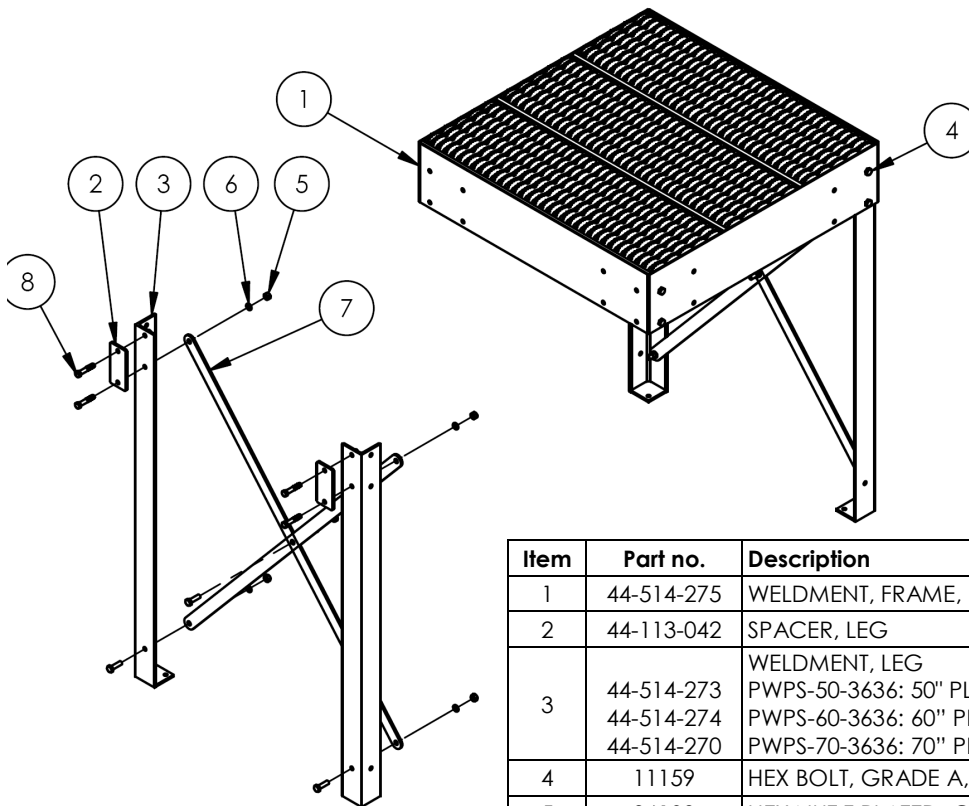
(44-006-694)



Item	Part no.	Description	Qty.
1	44-514-275	WELDMENT, FRAME, PLATFORM	1
2	44-113-042	SPACER, LEG	8
3	44-514-271 44-514-272	WELDMENT, LEG PWPS-30-3636: 30" PLATFORM HT. PWPS-40-3636: 40" PLATFORM HT.	4 4
4	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	8
5	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	16
6	33624	LOCK WASHER, Z PLATED, Ø 7/16	16
7	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8

PWPS-50-3636, PWPS-60-3636, & PWPS-70-3636 EXPLODED VIEW & BILL OF MATERIALS

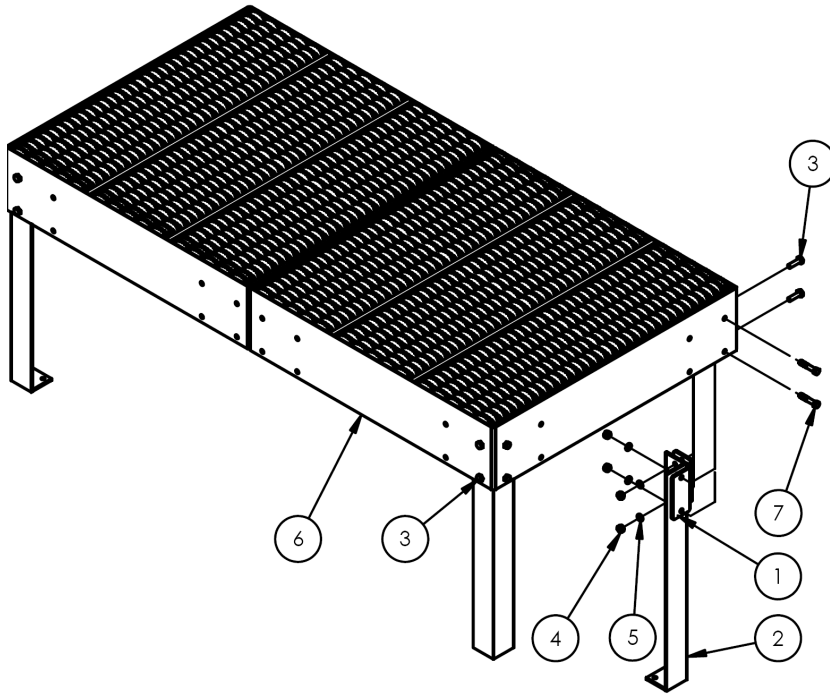
(44-006-696)



Item	Part no.	Description	Qty.
1	44-514-275	WELDMENT, FRAME, PLATFORM	1
2	44-113-042	SPACER, LEG	8
3	44-514-273 44-514-274 44-514-270	WELDMENT, LEG PWPS-50-3636: 50" PLATFORM HEIGHT PWPS-60-3636: 60" PLATFORM HEIGHT PWPS-70-3636: 70" PLATFORM HEIGHT	4 4 4
4	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	14
5	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	22
6	33624	LOCK WASHER, Z PLATED, Ø 7/16	22
7	44-017-024	BAR STIFFNER, LEG SUPPORT (CROSS BRACE)	4
8	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8

PWPS-30-3672 & PWPS-40-3672 EXPLODED VIEW & BILL OF MATERIALS

(44-006-699)

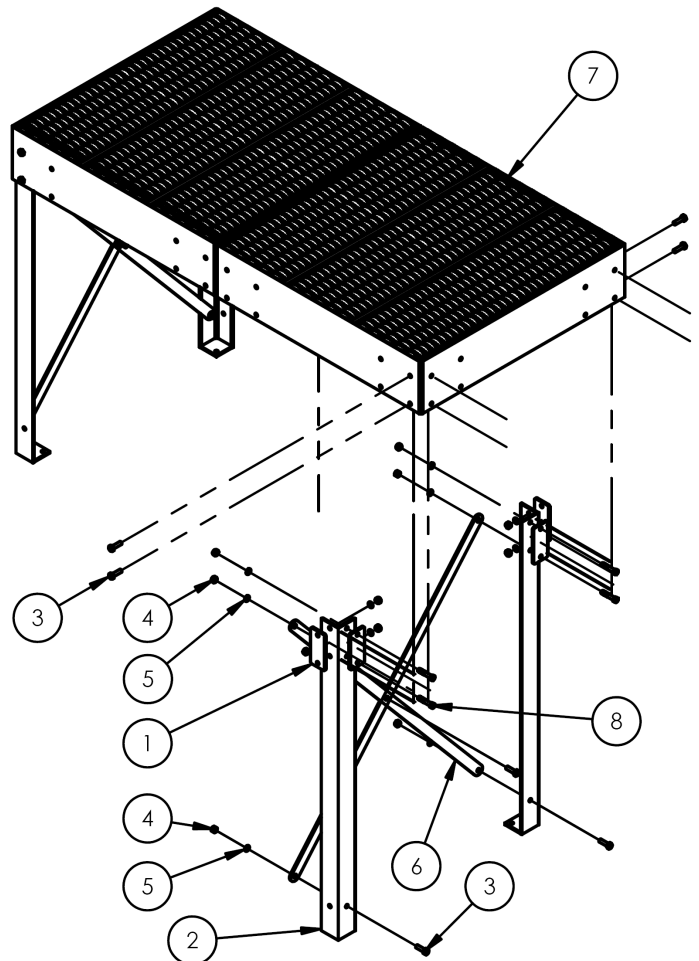


Item	Part no.	Description	Qty.
1	44-514-275	WELDMENT, FRAME, PLATFORM	1
2	44-113-042	SPACER, LEG	8
3	44-514-271	WELDMENT, LEG PWPS-30-3636: 30" PLATFORM HT.	4
	44-514-272	OR PWPS-40-3636: 40" PLATFORM HT.	4
4	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	8
5	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	16
6	33624	LOCK WASHER, Z PLATED, Ø 7/16	16
7	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8

PWPS-50-3672, PWPS-60-3672, & PWPS-70-3672 EXPLODED VIEW & BILL OF MATERIALS

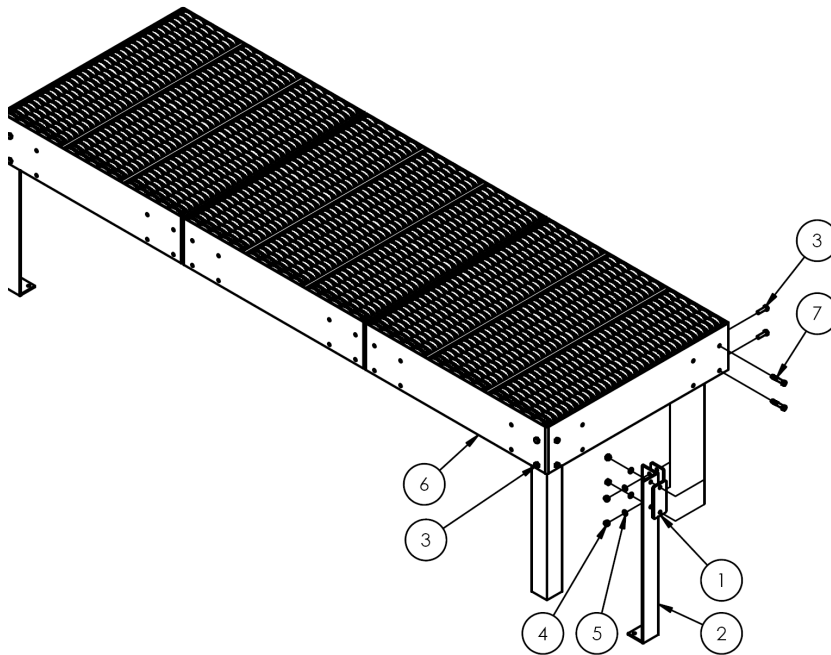
(44-006-701)

Item	Part no.	Description	Qty.
1	44-113-042	SPACER, LEG	8
2	44-514-273	WELDMENT, LEG PWPS-50-3672: 50" PLATFORM HEIGHT	4
	44-514-274	OR PWPS-60-3672: 60" PLATFORM HEIGHT	4
	44-514-270	OR PWPS-70-3672: 70" PLATFORM HEIGHT	4
3	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	14
4	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	22
5	33624	LOCK WASHER, Z PLATED, Ø 7/16	22
6	44-017-024	BAR STIFFNER, LEG SUPPORT	4
7	44-514-462	WELDMENT, WORK PLATFORM, 3672	1
8	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8



PWPS-30-36108 & PWPS-40-36108 EXPLODED VIEW & BILL OF MATERIALS

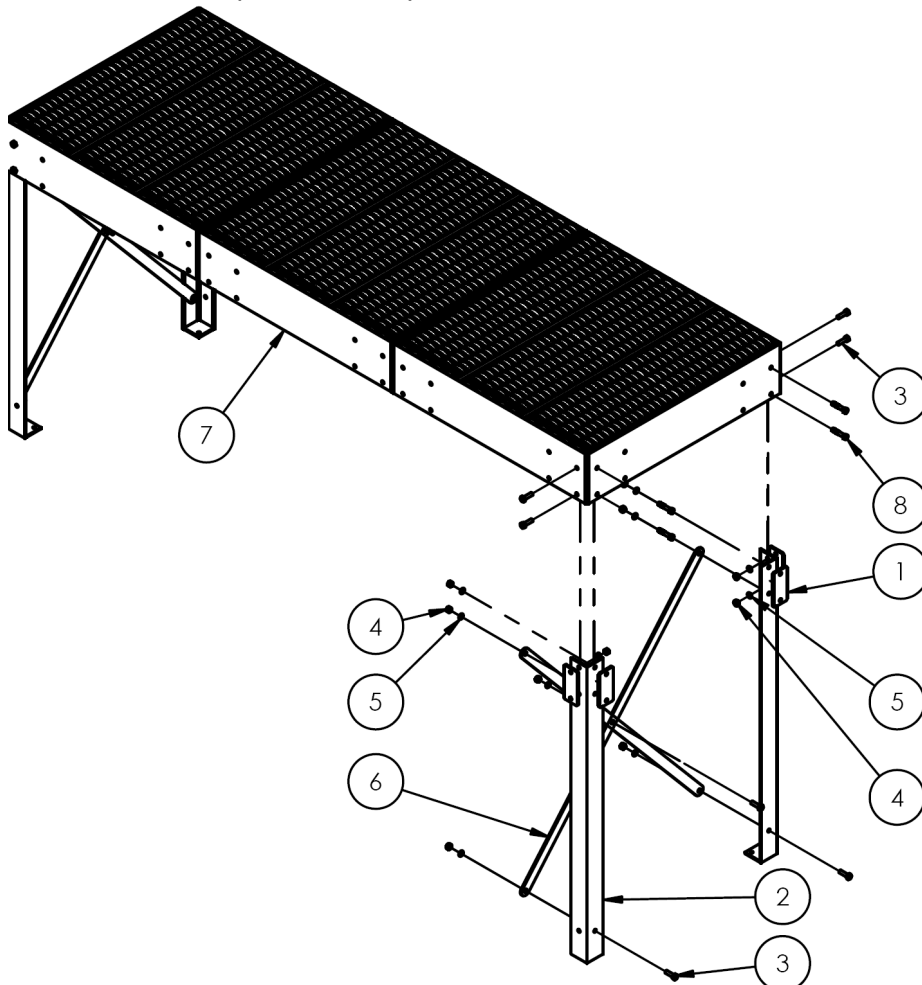
(44-006-704)



Item	Part no.	Description	Qty.
1	44-113-042	SPACER, LEG	8
2	44-514-271	WELDMENT, LEG PWPS-30-36108: 30" PLATFORM HEIGHT	4
	44-514-272	OR PWPS-40-36108: 40" PLATFORM HEIGHT	4
3	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	8
4	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	16
5	33624	LOCK WASHER, Z PLATED, Ø 7/16	16
6	44-514-463	WELDMENT, WORK PLATFORM, 36108	1
7	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8

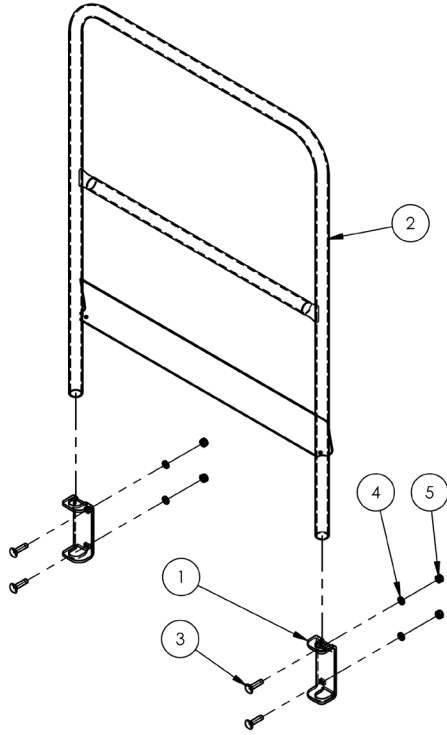
PWPS-50-36108, PWPS-60-36108, & PWPS-70-36108 EXPLODED VIEW & BILL OF MATERIALS

(44-006-706)



Item	Part no.	Description	Qty.
1	44-113-042	SPACER, LEG	8
2	44-514-273	WELDMENT, LEG PWPS-50-36108: 50" PLATFORM HT	4
	44-514-274	OR PWPS-60-36108: 60" PLATFORM HT	4
	44-514-270	OR PWPS-70-36108: 70" PLATFORM HT	4
3	11159	HEX BOLT, GRADE A, Z PLATED, Ø7/16"-14 x1 1/2"	14
4	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	22
5	33624	LOCK WASHER, Z PLATED, Ø 7/16	22
6	44-017-024	BAR STIFFNER, LEG SUPPORT	4
7	44-514-463	WELDMENT, WORK PLATFORM, 36108	1
8	11162	HEX BOLT, GRADE A, ZINC FINISH, 7/16"-14 X 2 1/4"	8

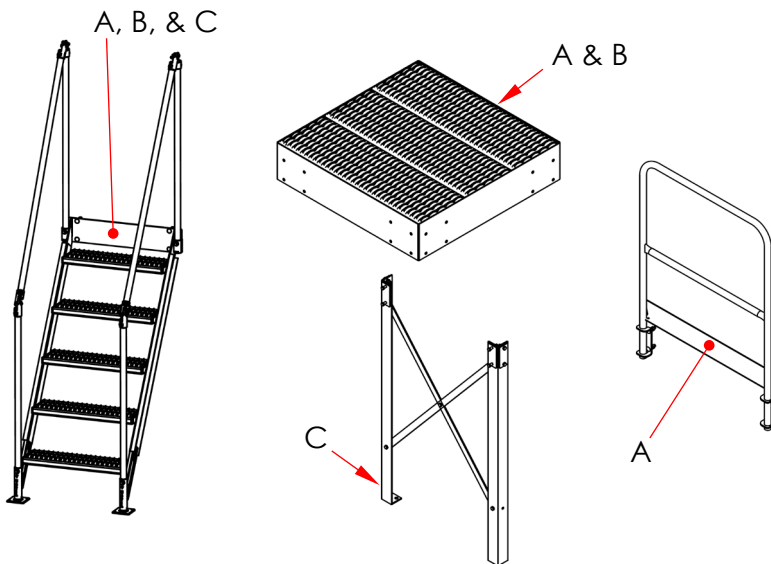
PWPS-HR-36-YL EXPLODED VIEW AND BILL OF MATERIALS (44-006-338)



Item	Part no.	Description	Qty.
1	44-016-074	BRACKET, RAIL, FORMED	2
2	44-524-091	WELDMNT, GUARD, RAIL ASS'Y	1
3	21460	BOLT, CARRIAGE, GRADE A, 7/16-14UNC x 1 3/4" LG. ZINC	4
4	33624	LOCK WASHER, Z PLATED, Ø 7/16	4
5	36108	HEX NUT Z PLATED, GRADE A, Ø7/16-14	4

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. Thoroughly photograph the unit when you first receive it as discussed in the [RECORD OF SATISFACTORY CONDITION](#) section of this manual. Make sure that your Record includes a photograph of each label. Modify this diagram, if necessary, to indicate labeling actually applied. Replace all labels that are, damaged, missing, or not easily readable (e.g. faded). Contact the [TECHNICAL SERVICE & REPLACEMENT PARTS DEPARTMENT](#) online at <https://www.vestil.com/page-parts-request.php>. You may also call (260) 665-7586 and ask the operator to connect you to the [TECHNICAL SERVICE & REPLACEMENT PARTS DEPARTMENT](#).



A: Label 1153

MODEL/MODÉLO/MODÈLE	_____
STATIC CAPACITY (evenly distributed)	_____ lbs.
LA CAPACIDAD CONSTANTE (distribuida uniformemente)	_____ kgs.
CAPACITÉ STATIQUE (distribuée régulièrement)	_____ kgs.
SERIAL/SÉRIE/SÉRIE	_____

287 REV 0812

B: Label 840

⚠ WARNING

Improper or incomplete assembly, installation, or use might result in serious injuries.

- DO NOT use the platform systems UNLESS
 1. All components are rigidly fastened together
 2. Every open side of a platform and stair section is guarded with a railing
 3. Each stair and pair of supports is securely anchored to the floor
- DO NOT exceed the capacity of any component
- Inspect the entire assembly routinely for loose fasteners including anchor bolts.

840

C: Label 1107

**Anchor
to Floor**

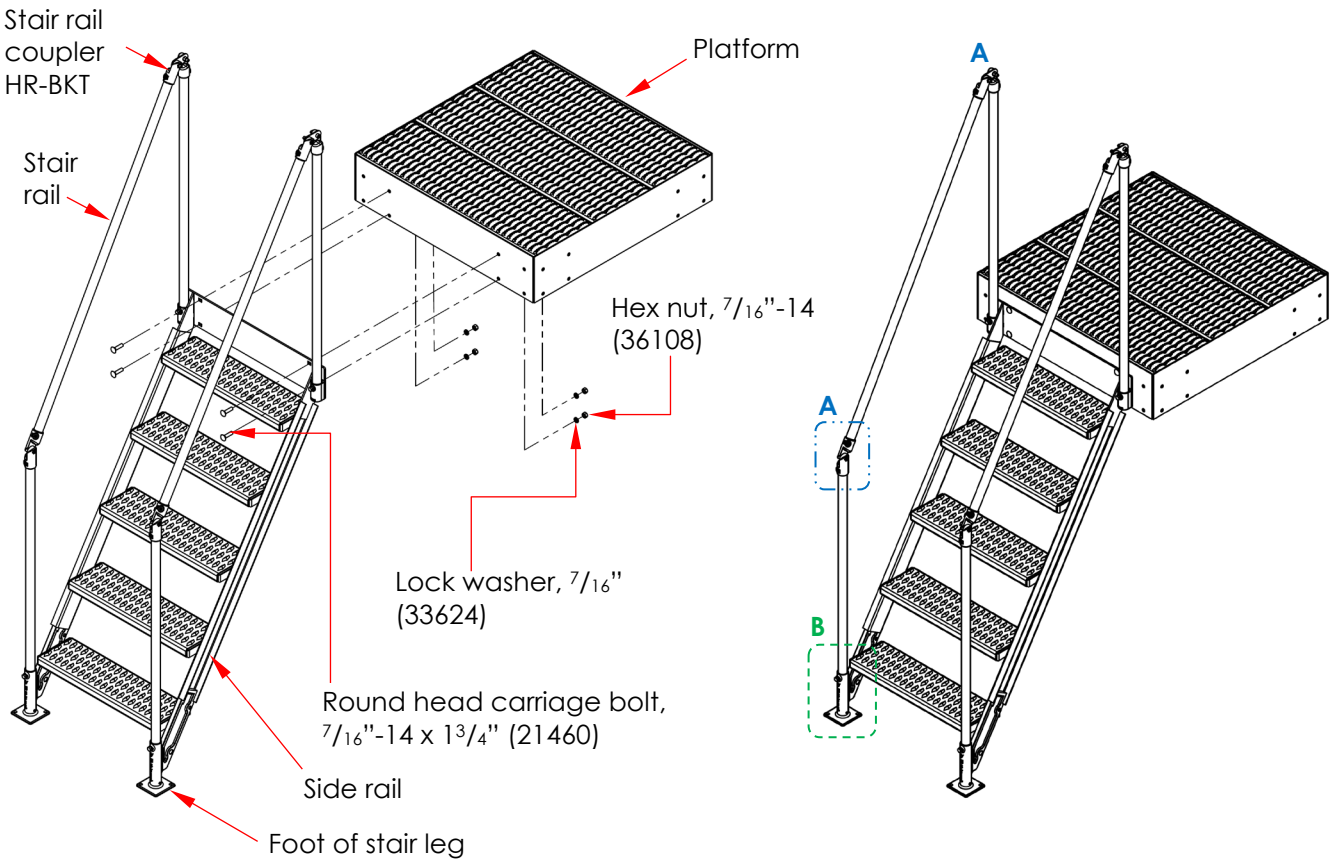
1107

ASSEMBLING THE PLATFORM SYSTEM

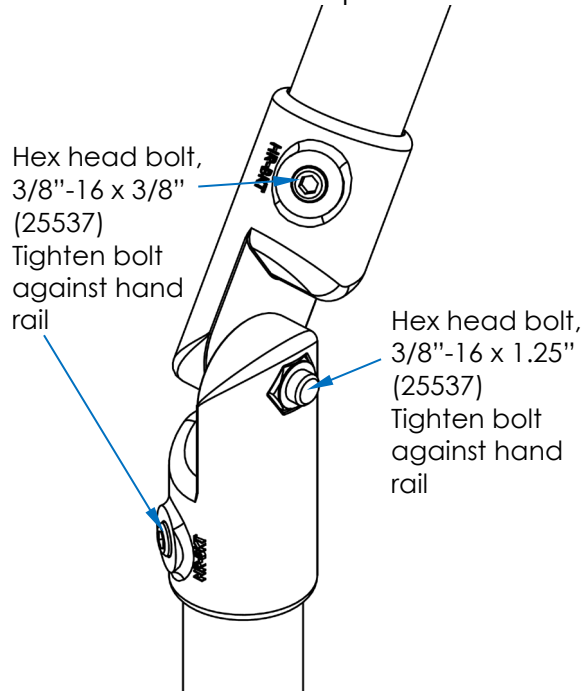
Components of PWPS-series modular platform systems include a platform, 4 legs with or without cross braces, stairs with stair rails, and handrails that attach to the platform. Select the components necessary for your application. The following instructions demonstrate how the components attach to each other.

Fasten stairs to platform with 7/16" hardware

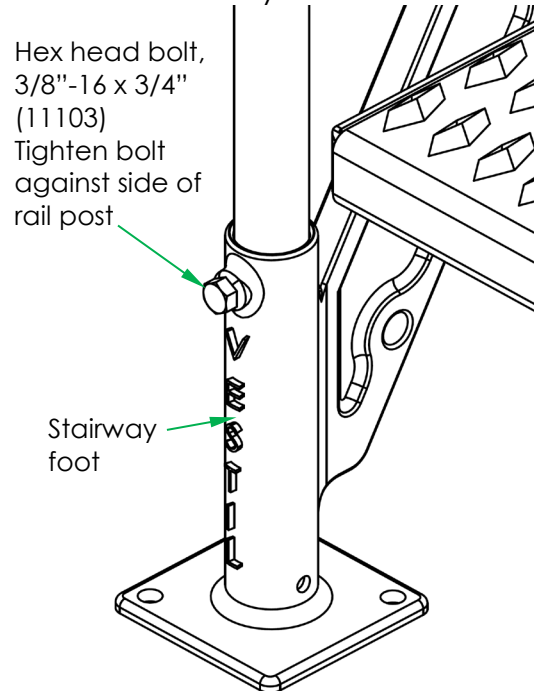
Install bolts through the inner pairs of bolt holes in a face of the platform.



Detail A: Stair rail coupler

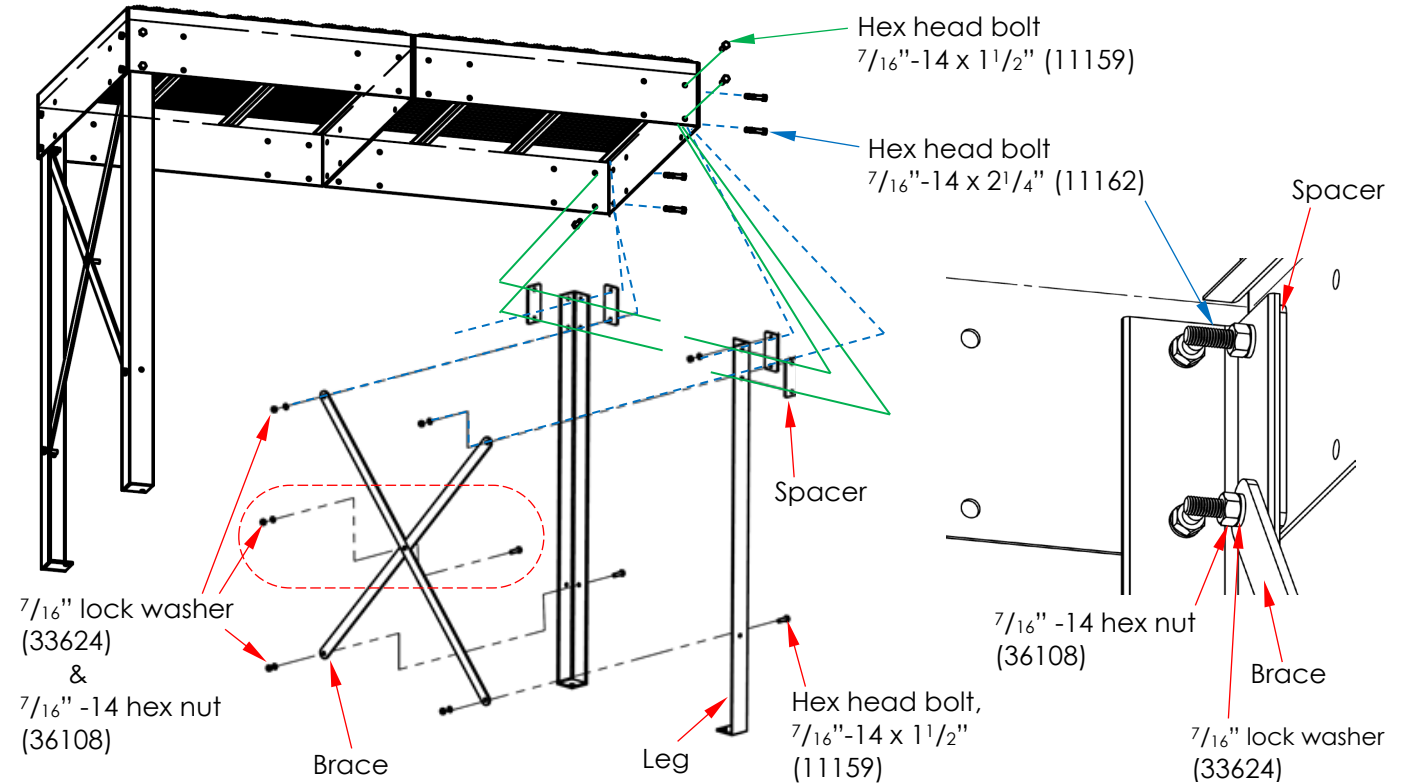


Detail B: Stairway foot



PLATFORM AND LEGS WITHOUT HANDRAIL

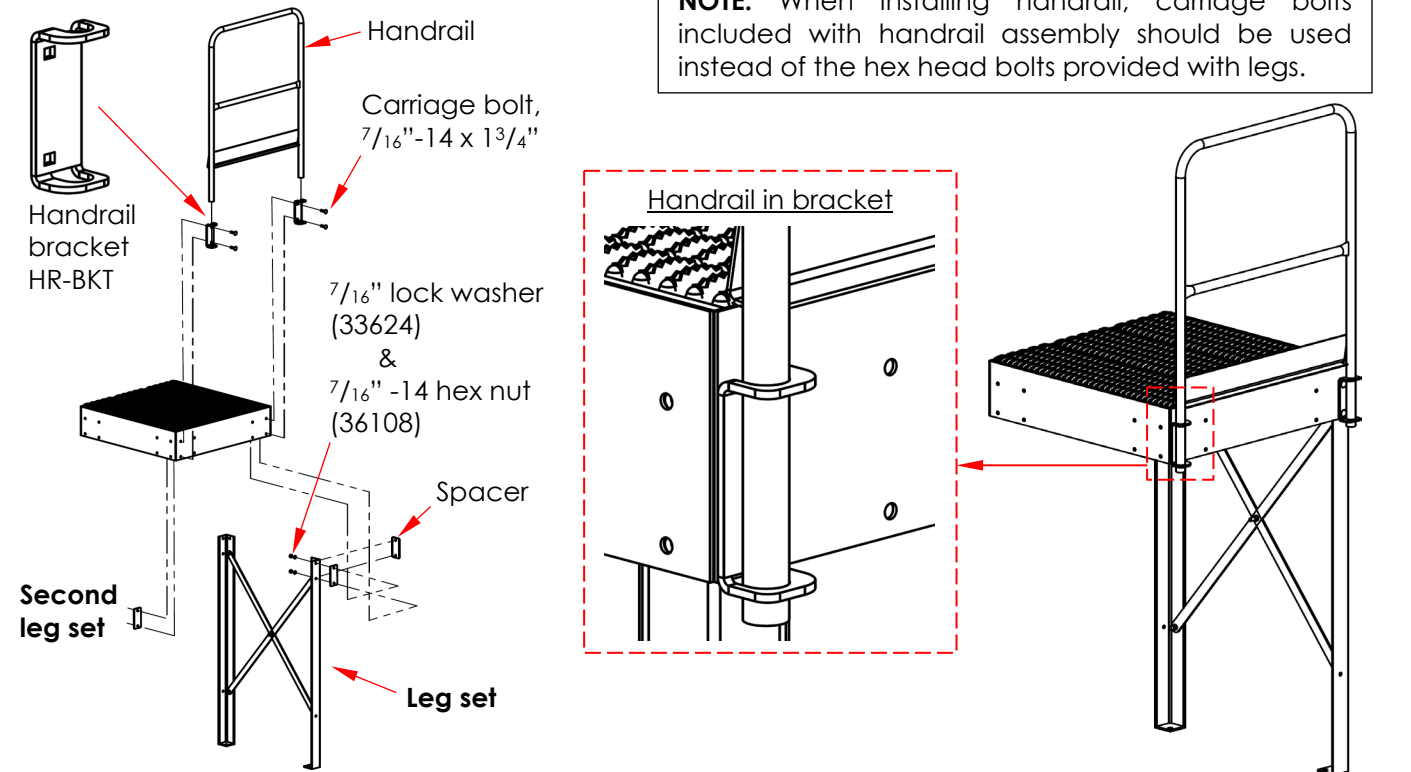
Fasten legs to both ends of the length of the platform as shown in the diagrams. First, fasten leg braces together through center holes (circled in diagram); then attach braces to legs. Install spacers between the legs and the platform (2 spacers per leg). Secure every bolt with a lock washer and hex nut



PLATFORM WITH LEGS AND HANDRAILS

Fasten handrail brackets to a side of the platform using the hardware shown in the diagram. Each carriage bolt inserts through a bolt hole in a handrail bracket, the platform, a spacer and a leg. Carriage bolts are secured with lock washers and hex nuts. After both brackets are installed, slide the legs of the handrail into the brackets.

NOTE: When installing handrail, carriage bolts included with handrail assembly should be used instead of the hex head bolts provided with legs.

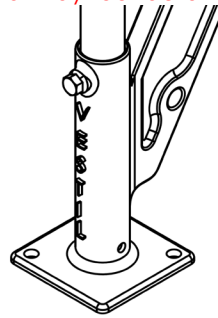


INSTALLATION

Only install the platform system on concrete or other improved surface capable of supporting the weight of the system plus a full capacity load. Anchor the platform system to the ground/floor after it is assembled. Each leg includes a bolt hole through its foot for $\frac{5}{8}$ " anchor bolts (diameter).

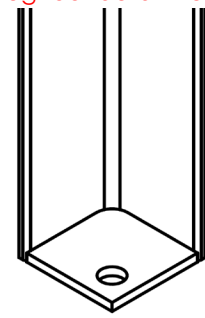
Each foot of a stairway leg has 2 holes for $\frac{3}{8}$ " anchor bolts. The necessary length of anchoring hardware should be determined by your building engineer.

A: Stairway foot detail view



Bolt hole for $\frac{3}{8}$ " anchor bolt

B: Leg foot detail view



Bolt hole for $\frac{5}{8}$ " anchor bolt

RECORD OF SATISFACTORY CONDITION

Thoroughly inspect the platform system after installing it and before putting it into service. Record the condition and appearance of each of the components: platform, legs, stairs and stair rails, handrails and handrail brackets, and all fasteners (bolts, nuts, washers, etc.). Thoroughly photograph the unit from multiple angles. Include close range photographs of the stairway feet and leg feet, all labeling applied to the components, and all fastened connections. Add the photographs to the record. Collect all photographs and writings in a single file. This file is a record of the platform system in satisfactory condition. Compare the results of all [INSPECTIONS](#) to this RECORD to determine whether the system is in satisfactory condition. Do not use the platform system unless it is in satisfactory condition. Purely cosmetic changes, like damaged paint or powdercoat, are not changes from satisfactory condition. However, touchup paint should be applied as soon as damage occurs.

INSPECTIONS AND MAINTENANCE

All inspections and repairs should be performed by qualified persons. Compare the results of each inspection to the [RECORD OF SATISFACTORY CONDITION](#). Do not use the platform system unless it is in satisfactory condition. **DON'T GUESS! If you have any questions about the condition of your system, 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 to restore the system to satisfactory condition.

Inspect the following at least once per month:

- Legs:** Examine each leg for bends, breaks, cracks, cracked welds, or severe rusting or corrosion. Legs should be square and rigid.
- Handrails:** Inspect each section of handrail as well as the corresponding handrail brackets. Confirm that all welds are intact and in satisfactory condition. Handrails should not be bent, dented, etc. All brackets must be securely fastened to the platform. Check each bracket for bends, breaks, and warps. Replace all damaged brackets.
- Stairways, stair rails, and stairway feet:** Examine the stairways. Inspect each rung for bends, twists, and breaks. Inspect welds between rungs and side rails. Closely examine the stair rails and couplers. Make sure that all stair rail tubes are straight and undamaged—no bends, breaks, punctures, etc. Couplers should be firmly connected to the stair rails. Examine the stairway feet. Confirm that anchor bolts are solidly fastened to the ground. Check the base of each foot for corrosion and/or rusting. Make sure that stairway posts are solidly retained inside the stairway feet. Tight the hex bolts if necessary to solidify connections.
- Hardware/Fasteners:** Make sure that all bolts, washers, and nuts are tightly fastened together. Fasteners must be free of rust and corrosion. Tighten all loose connections. Make sure that bolts holes are not elongated.
- Labels:** Confirm that all labels are in place, easily readable (e.g. not faded), and undamaged. Label placement on the platform system is shown in the [LABELING DIAGRAM](#) on p. 7. Replace all labels that are missing, damaged, or not easily readable from a safe viewing distance.

Clean all surfaces at least once per month. Remove rust with steel wool or a metal bristle brush, clean the areas to remove rust particles and apply touchup paint to the affected areas.



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	(260) 665-1339	info@vestil.com
2999 North Wayne Street, PO Box 507	<u>Phone</u>	Write "Warranty service request"
Angola, IN 46703	(260) 665-7586	in the 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) 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.