

# INSTALLATION INSTRUCTIONS AND OPERATORS MANUAL



## Custom Ventilation and Louvers - All Models

Manufactured By:  
**PS DOORS**  
1150 S 48th Street  
Grand Forks, ND 58201

877-446-1519    [www.pdoors.com](http://www.pdoors.com)

### To Contact PS DOORS:

**By Mail:** PS DOORS  
Attn: PS Access Solutions  
1150 S. 48th Street Grand  
Forks, ND 58201

**Website:** [psdoors.com](http://psdoors.com)

**By Phone:** Phone 1-701-746-4519 Toll  
Free 1-877-446-1519

**By Email:** [4psinfo@psdoors.com](mailto:4psinfo@psdoors.com)

**Hours of Operation:** 8:00 am to 5:00 pm (Central Standard Time); Monday thru Friday

**IMPORTANT!** Read entire Operations and Instruction Manual to become familiar with the product.

**NOTICE** The effectiveness of the product is directly related to the proper installation & operation of this product. Failure to properly maintain this product **will** affect performance.

#### Compliance and Publication Notice

This manual has been compiled and published covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

PS DOORS reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

- is functioning properly.
- 6. Inspect gaskets to ensure proper sealing is occurring.
- 7. Inspect gearbox in accordance to the Textron Cone Drive Manual
- 8. Inspect lube level in gear box in accordance to Textron Cone Drive Manual
  - a. if additional fluid is needed refer to Textron Cone Dive Oil Capacities.
- B. Finishes: Touch up and repair finishes as necessary.
- C. Labels: Replace if missing or illegible.

# PS DOORS LIMITED WARRANTY

PS DOORS warrants this product and components to be free from defects in material and workmanship for a period of one (1) year from date of shipment. If within the term of this warranty, if any component is found to be defective upon inspection by a authorized PS DOORS representative, PS DOORS will replace or repair, at PS DOORS' discretion, any part found to be defective. Any field labor charges incurred are the sole responsibility of the customer.

To make a claim under this warranty, contact PS DOORS at the address shown below.

PS DOORS	Toll Free: 877-446-1519
Attention: Warranty	Phone: 701-746-4519
1150 S. 48th Street	Fax: 701-746-8340
Grand Forks, ND 58201	E-mail: 4psinfo@psdoors.com

Unauthorized modification of or to this product voids the PS DOORS Limited Warranty. Accordingly, you can expect any request for warranty repair to be charged to you, if the product requires service after unauthorized modification. Authorized modifications, received in writing from PS DOORS, as long as the modification is accomplished in strict accordance with PS DOORS' instructions, does not void warranty. To request product modifications contact PS DOORS, 1150 S. 48<sup>th</sup> Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psdoors.com.







PS DOORS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.

All other warranty's, express or implied including any warranty of merchantability, are expressly excluded. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above limitation or exclusion may not apply to you.

WARRANTY DOES NOT APPLY TO ANY DAMAGE OR DETERIORATION CAUSED BY MODIFICATION, ABUSE, APPLIED PAINT FAILURE OR FAILURE TO PROVIDE REASONABLE AND NECESSARY MAINTENANCE.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.

**Safety Precautions:** The following icons are used throughout this Manual.

-  **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderated injury.
-  **NOTICE** Indicates manufacture's statement of additional information.
-  **IMPORTANT!** Indicates a required action.
-  **CRITICAL** Indicates a vital component to product performance.

## **NOTICE** ADDITIONAL INFORMATION

- PS DOORS recommends that the owner implement an regular maintenance program to inspect the product. This program may require the replacement of worn components, touch up painting and dimensional adjustments or warning label replacement.
- PS DOORS AND/OR ITS RESPECTIVE SUPPLIERS MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S) OR SERVICE(S) OFFERED AT ANY TIME WITHOUT NOTICE..
- Retain this manual for future reference.

# PS DOORS CUSTOM VENTILLATION AND LOUVER SYSTEM

## I. GENERAL INFORMATION

This manual contains information regarding installation, operation, and maintenance of the PS DOORS Ventilation Operation in a manner other than intended could result in damage or less than acceptable performance, for which the manufacturer will not be held responsible.

This product is manufactured to specific guidelines. Unauthorized alteration in any way will result in voiding Factory Warranty, and may cause product to fail with potential serious consequences.

## II. STORAGE PRIOR TO INSTALLATION OF PRODUCT

- Store materials in a dry, ventilated location. If outdoor storage is required, block materials and tarp in a tent-like arrangement, elevated above the product with open sides to allow airflow.

## III. INSTALLATION SITE PREPARATION

- Clear work area of any debris.
- Ensure you have necessary tools available.

## IV. PRE-INSTALLATION SAFETY PRECAUTIONS

- Ensure opening is clear of all obstructions through the entire travel of the safety gate during operation.
- Comply with all OSHA Safety Regulations and/or company safety policies when installing.
- Install only on railing / surfaces capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.
- Keep hands and limbs away from pinch points at all times.

**V. INSTALLATION:** refer to and follow shop drawings made specifically for this product.

## VI. OPERATION

- To Open Vent and Louver System:
  - Turn handle assembly clockwise until the vent is opened as desired.
  - DO NOT OVER EXCEED OPENING LIMITS—THIS MAY CAUSE DRIVE ARMS TO BEND AND PRODUCT TO NOT FUNCTION CORRECTLY
  - While opening, keep hands and limbs away from pinch points
- To Close Vent and Louver System:
  - Turn handle assembly counter clockwise until the vent is closed and resting on its stops.
  - DO NOT OVER EXCEED CLOSING LIMITS—THIS MAY CAUSE DRIVE ARMS TO BEND AND PRODUCT TO NOT FUNCION CORRECTLY.
  - While closing, keep hands and limbs away from pinch points.

## X. INSPECTION AND MAINTENANCE

- Inspect ventilation and louver system monthly or as required:
  - Inspect pivots (lube if necessary).
  - Inspect drive arms.
  - Inspect welds and panels for rust
  - Inspect chain and sprocket system
  - Inspect bearing and bearing holders and ensure bearing

**NOTICE** Unauthorized modification of this product voids the PS DOORS Limited Product Warranty. Accordingly, you can expect any request for warranty repair to be charged to you, if it requires service after modification. Authorized modifications, received in writing from PS DOORS, as long as the modification is accomplished strictly in accordance with PS DOORS' instructions, does not void warranty. To request product modifications contact PS DOORS.

**WARNING** Ensure mounting surface is capable of supporting all loading (by others).

**WARNING** DO NOT OPEN VENT SYSTEM WHEN WIND SPEEDS EXCEED \_\_\_\_\_ MPH.

### **CRITICAL** VERIFY INSTALLATION

- Ensure all bolts/nuts are tight.
- Operate vent and louver system to ensure free movement.