

## OWNER'S MANUAL

*PRODUCT PHOTO  
PARTS LIST  
ASSEMBLY INSTRUCTIONS  
FITTING & ADJUSTING  
DAILY USAGE  
ACCESSORIES  
MAINTENANCE  
WARRANTY*

# Prime Engineering Superstand Youth

Manufactured By

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Congratulations on your selection of the ***Superstand Youth*** Standing System for your standing needs. This unique, multi-position stander allows you to choose the right approach to address your standing requirements. Converting the positioning system to PRONE, SUPINE OR UPRIGHT is quick and easy without tools. All padded supports have a wide range of individual adjustment allowing you to get an **exact fit** for proper standing and positioning **comfort** encouraging both frequent and extended use.

Your ***Superstand Youth*** accommodates growth from 26" to 48" in height and up to 150lbs. in weight. Custom growth and size modifications are available. For more information on adjustments outside of our standard ranges, please contact your dealer or you may contact us directly at 800-827-8263

Note: Carefully read **all** instructions and notes before assembling or using your ***Superstand Youth***.

Stand with us for good positioning, posture and increased function...every day...you deserve the best health standing can offer!

This owner's manual is organized into the following sections:

1. Product Photo and Specifications
2. Parts List
3. Assembly Instructions
4. Fitting & Adjusting
5. Daily Usage
6. Accessories & Replacement Parts
7. Maintenance and Warranty

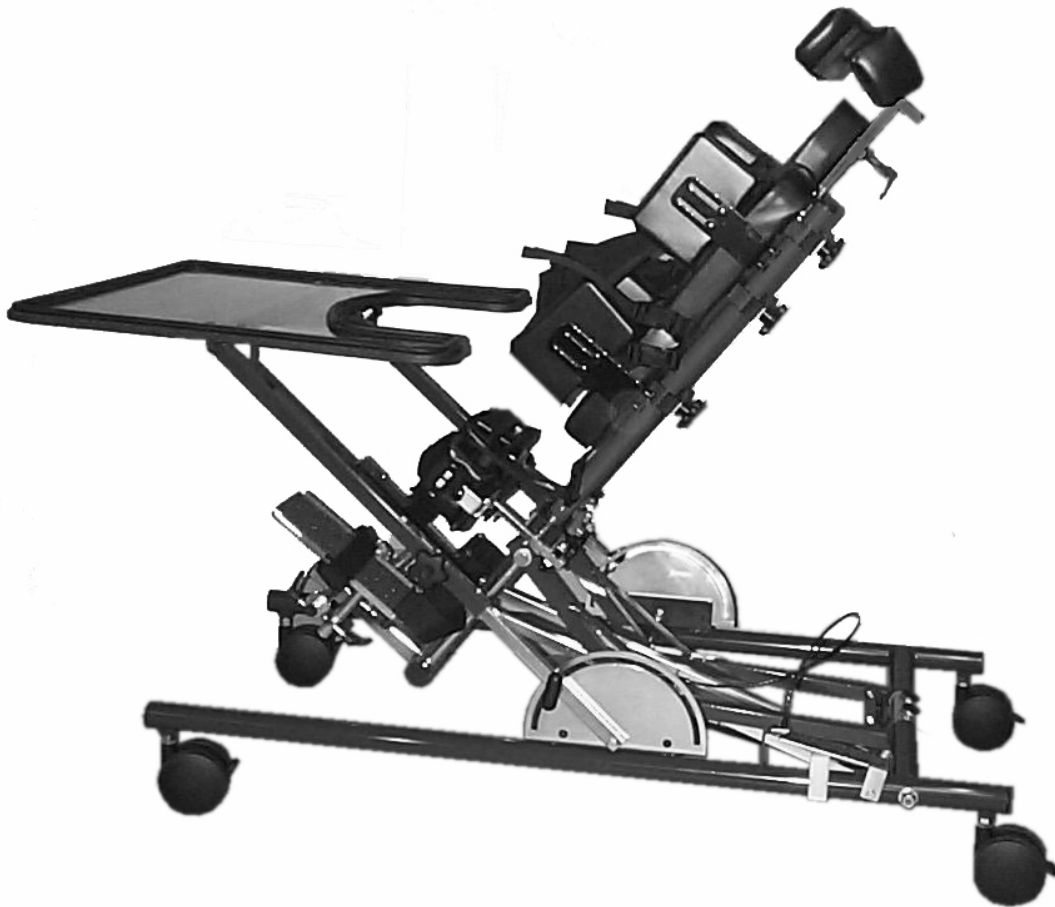
In addition, we have enclosed a number of Notes to help you in assembling and using your ***Superstand Youth***. We want to do everything we can to insure your comfort and safety.

We've designed the ***Superstand Youth*** for easy assembly. Each ***Superstand Youth*** is pre-assembled at Prime Engineering to insure that everything works properly. If, however, you have any problems or require any further assistance, please give us a call at 1-800-82-STAND.

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# **PRIME ENGINEERING**

## **Superstand Youth**



Client Size: 40" – 60"  
Weight Capacity: 150 lbs.

\*Photos show optional - UPPER EXTREMITY  
POSITIONING TRAY ASSEMBLY and SIZE  
ADJUSTABLE KNEEPADS.

### Product Dimensions:

Base – 48" Long X 24" Wide

Tray – 28 ½ Deep X 24" Wide

Chest Pad – 12" Wide X 15" High

Hip Pad – 12" Wide X 8" High

Head Pad – 5" Wide X 2 ¼" High

## PARTS LIST

The Superstand Youth comes partially assembled in 1 carton.

### **Carton A contains:**

- 1 - Base Assembly
- 1 - Set Casters (4ea.)
- 1 - Mast
- 1 - Foot Assembly
- 1 - Knee Bar Assembly
- 1 - Set Knee Pad Assembly (2ea.)
- 1 - Head Support
- 1 - Chin Support
- 1 - Body Support Assembly
- 1 - Set Chest Lateral Pad Assembly (2ea.)
- 1 - Set Hip Lateral Pad Assembly (2ea.)
- 1 - Height Adj. Tube w /T-knob
- 1 - Set Allen Wrench (1=1/8, 1=5/32, 1=3/16)

**When ordered with optional tray carton B contains:**  
Upper Extremity Positioning Tray assembly

# ASSEMBLY INSTRUCTIONS



Figure 1

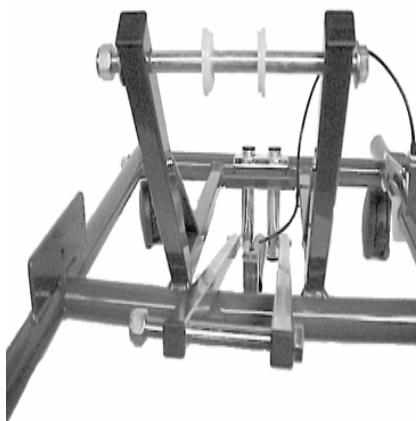


Figure 2

Set-up and assembly on your Superstand Youth is easy when you follow these directions.

First:

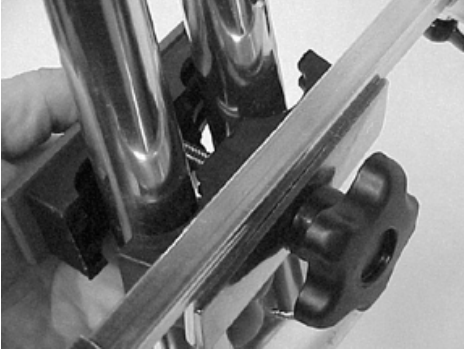
Identify the following parts and components

- Base with upright post
- Body support assembly
- Foot support assembly
- Head support and Chin support

## Assemble as follows:

1. Remove all four caster assemblies from package and attach to Base Frame, tighten with a 3/4" open-end wrench. (Figure 1)
2. **Installing the Mast:**
  - A. Remove the  $\frac{1}{2}$ "-13 x  $5\frac{1}{2}$ " bolts attached to the two pivot brace tubes, replace after putting it through the bottom hole on the Mast. Attach the  $\frac{1}{2}$ "-13 high profile nylon nut to the bolt and tighten until the nut is flush with the bolt end, do not over tighten. (Figure 2)
  - B. Using the  $\frac{1}{2}$ "-13 x  $9\frac{1}{4}$ " with the two  $\frac{1}{2}$ " washers and the two Nylon  $1\frac{1}{2}$ " spacers found attached to the Base Mast support braces, Reattach through the Mast by tilting the Mast with the two  $1\frac{1}{2}$ " spacers Fixed to the Mast, then putting the bolt with a washer throw brace, then Mast, then other side, then washer and a  $\frac{1}{2}$ "-13 high profile nylon nut. Tighten nut until flush with bolt, do not over tighten. (Figure 3)

# ASSEMBLY INSTRUCTIONS (Continued)



## Installing the Knee Bar & Pad assembly:

- A. Unscrew the 5-pt knob on the Knee Bar and separate the clamp. Reattach the assembly to the Mast at least 1" above the Mast support brace. Tighten the 5-pt knob securely to finish the installation.
- B. Take the Knee Pad assemblies and insert them into the T-blocks on the Knee Bar and secure with  $\frac{1}{2}$ " T-knobs.

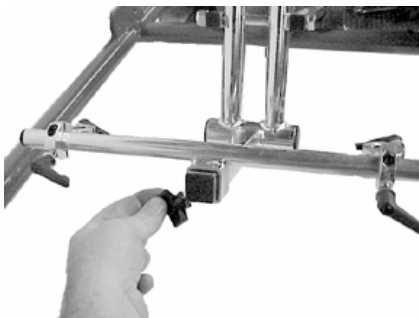


## Installing Body and Lateral Pad Support Assembly:

- A. Take the Body Support assembly and locate the index pin on the bottom of the Twin Tubes in which the Body Support Pads are attached to, once the Index pin is located pull the knob and twist to lock it in the open position, Then the Twin Tubes can be slid onto the Mast, then twist knob on the Index pin to lock the Body Pad assembly in position onto the Mast.
- B. Next remove the 10-32 x 5/8" knurl knobs w/internal star washer 8 of each Then take the Hip & Chest Lateral Pads with Brackets attach and attach to Body Pads using the 10 - 32 x 5/8" knurl knobs with star washer and secure.



Figure 5

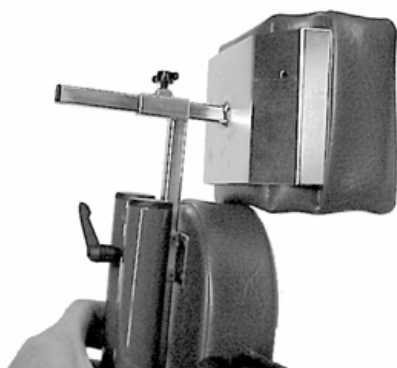


Figure

## Installing Foot Assembly:

- A. Take the Foot assembly and locate the square block with a Tri-knob at the bottom of the Foot Bar, back off the Tri-knob far enough so that you can slide it onto the square tube located at the bottom of the Mast tighten the Tri-knob backup to secure to the Mast.
- B. Foot supports are attach to Foot Bar but need to be adjusted using the Ratchet knobs attached to the figure 8 clamps on the Foot Bar adjust to needed position and tighten Ratchet knobs to secure.

## ASSEMBLY INSTRUCTIONS (Continued)



### Installing the Head or Chin Support:

A. First locate and install the Height Adjust tube to the top of the Body Pad assembly in the Height Adjust tube receiver and secure with Ratchet knob.

B. Take appropriate support pads Head (Head support for Supine) or Chin (Chin support for Prone) and slide into the Height Adjust tube and secure with to  $\frac{1}{2}$ " T-knob.

### Installing the Upper Extremity Positioning Tray Assembly:

A. Remove Tray and Tray Arm assemblies out of Box Two.

B. Then find the set of Allen wrenches and use the middle size allen ( $\frac{5}{32}$ ) to remove the four  $\frac{1}{4}$ "-20 x  $\frac{1}{2}$ " flat Allen screws and fasten the tray receiver arms to the Base Frame. First remove the  $\frac{3}{8}$ " nylon nut on the bottom of tray arm and the 4 flat Allen screws, then take the  $\frac{3}{8}$ "-16 x  $1\frac{3}{4}$ " bolt and insert into the Base tray mounting tabs center hole, and put the  $\frac{3}{8}$ " nylon nut back on, then using the ( $\frac{5}{32}$ " Allen wrench to attach the Tray Arm assembly and secure them to the Base Frame with the  $\frac{1}{2}$ " flat Allen screw. Then loosen the large T-knob so the arm can pivot freely, then tighten the  $\frac{3}{8}$ " nut up snug, but let the arm pivot freely, the large T-knob is used to lock arms in position.

C. Take the Upper Extremity Tray and slide onto the Tray receiver arm but first you need to set the arms in a position to receive the Tray evenly using the large T-knobs, then use the lower 5-pt knobs to secure the height position, and the top 5-pt knob to adjust the tilt of the tray, and be sure to tighten all knobs to secure safety.

## FITTING AND ADJUSTING Superstand Youth

**WARNING: CONSULT YOUR PHYSICIAN OR THERAPIST.** This Superstand Youth is to be used ONLY with the approval and advice of a Physician or Therapist. Standing may cause medical complications in some individuals. Consult with your Physician or Therapist before standing. Be certain that there are no functional restrictions that might prevent the use of this product.

Your *Superstand Youth* will allow you to choose prone, supine or upright standing. Your physician or therapist will recommend which approach, will be the most appropriate. With our "no tools" approach you are able to set the positioning pads in the necessary configuration(s) or quickly convert to a different standing configuration as needed.

**MAKE ALL ADJUSTMENTS BEFORE PLACING THE CLIENT IN THE *SUPERSTAND YOUTH*. NEVER ADJUST THE PADS WHILE THE STANDER IS IN USE.**

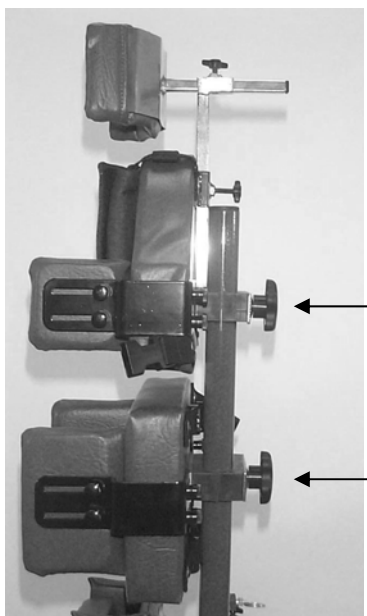


Figure 7

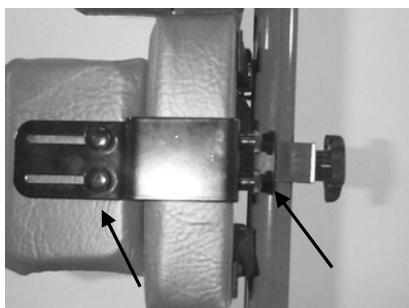


Figure 8

### Positioning Pads

***Chest and Hip Support Pads:*** Perform individual adjustments for height up or down on the center mast by loosening the large black adjustment knob on the back of each pad and sliding the pad to the position desired (*Figure 7*). Lateral supports can be adjusted by loosening the small black adjustment knobs on the back of the lateral support bracket. Slide the brackets to a narrower or wider setting securing the child's side-to-side stability and position. Lateral supports can be depth adjusted by loosening the small black adjustment knobs on the side of the bracket and sliding the pad front or back to the desired position (*Figure 8*).



## FITTING AND ADJUSTING Superstand Youth (Continued)

***Knee Support Pads:*** Adjust the Knee Support Pads by loosening the large black adjustment knob on the back of the Knee Support Assembly and sliding the assembly up or down on the center mast (*Figure 9*). Individually adjust for each kneepad width or depth by loosening the T-knob on the side you wish to adjust (*Figure 10*). Position the pad front-to-back or side-to-side to accomplish proper (straight) alignment of the lower extremities.

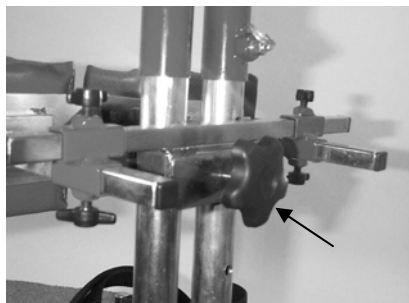


Figure 9

***Head Support/Chin Support Pads:*** When positioning the child in the supine position, slide the Head Support Pad into the bracket at the upper end of the chest pad and set to the desired height (*Figure 11*). While in prone positioning, the Chin Support Pad can be interchanged with the head support and set to the desired height.

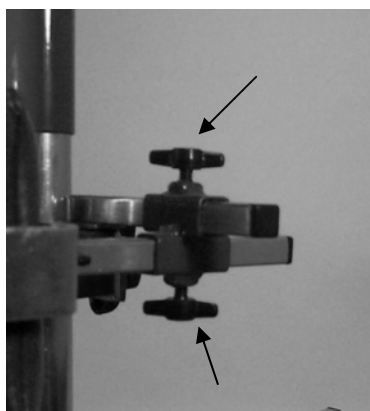


Figure 10

BE SURE TO SECURELY TIGHTEN ALL  
ADJUSTMENT KNOBS BEFORE PLACING THE  
CLIENT IN THE STANDER.



Figure 11

## FITTING AND ADJUSTING Superstand Youth (Continued)

### Foot Support System

The Foot Support System is individually adjusted in height and width with the ratchet knobs found on each side of the system (*Figure 12*). Slide the foot support up or down or side-to-side to the desired position maintaining proper alignment for the lower extremities. These same ratchet knobs allow for individual angle setting of each foot support pad for planter or dorsi-flexion plus toe in and toe out. Front-to-back adjustment is performed by loosening the ratchet knob on the underside of the assembly and sliding the assembly to its desired position (*Figure 13*).

Heel loops and Velcro-adjustable toe straps secure the placement of the feet on the support platforms. The entire Foot Support System is reversible on the center mast, accommodating either prone or supine positioning.

### Support Straps

***Chest Support Harness:*** Place this harness around the upper torso of the child once placed in the stander and attach with the Velcro closure. Each strap of the chest harness can be additionally adjusted through the buckles supplied on each strap. This support can be completely removed by squeezing the quick release buckles on each strap.

***Hip Support Strap:*** Place around the buttocks of the client while in the prone position or across the pelvis of the child while in supine. Secure to the Hip Support Pad with the buckle and loosen or tighten for a comfortable, supportive fit.

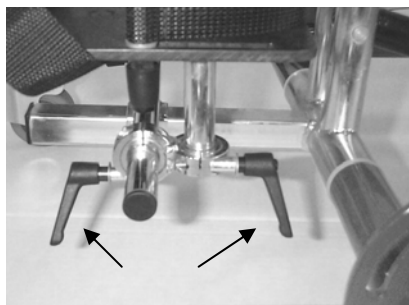


Figure 12

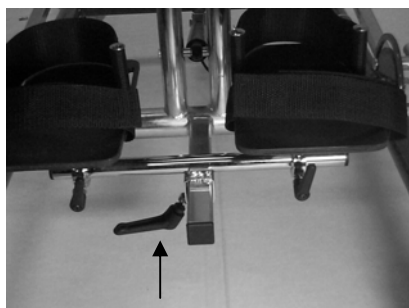


Figure 13

## FITTING AND ADJUSTING Superstand Youth (Continued)



Figure 14

***Knee Straps:*** Velcro adjustments are fast and easy for comfort and support.

### **Upper Extremity Positioning Tray (optional)**

This multi-functional tray has individual height, angle and depth adjustments. Positioning of the entire tray assembly may be adjusted by loosening the large silver T-knobs on each side near the base and rotating the assembly to the desired angle/depth setting (*Figure 14*). Height of the tray can be adjusted by loosening the large black adjustment knobs in the middle of the tray support arms and sliding the tray up or down to the desired height (*Figure 15*). The angle of the tray top can be adjusted by loosening the large black knob located beneath the tray surface and rotating the tray to the desired angle (*Figure 16*).

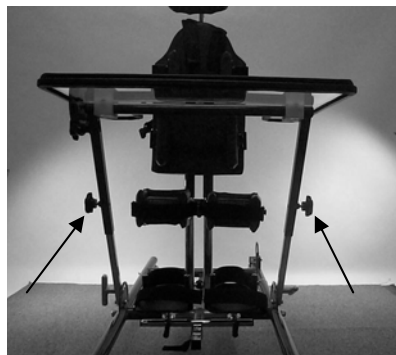


Figure 15

### **Positioning System Angle Adjustment**

The angle of the complete positioning system can be set at an adjustment from 10 to 90 degrees from horizontal. While holding onto the top of the center mast, depress the foot pedal found on the base of the stander and move the mast to the desired angle (*Figure 17*). To secure the angle adjustment, slide the "lock-out" under the foot pedal as far as it will go and leave in-place until you wish to change the angle of the positioning system.



Figure 16

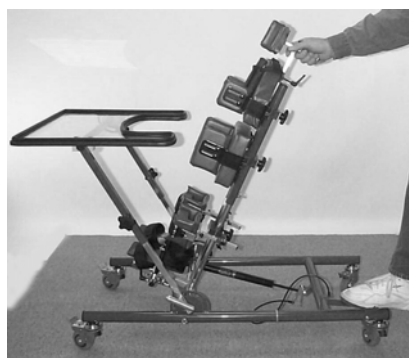


Figure 17

***BE SURE ALL ADJUSTMENTS AND KNOBS ARE TIGHTENED AND SECURE BEFORE PLACING THE CLIENT IN THE STANDER. NEVER LEAVE THE CLIENT UNATTENDED WHILE IN THE STANDER.***

## **FITTING AND ADJUSTING Superstand Youth (Continued)**

Prime Engineering's goal is to give you the greatest amount of adjustment and flexibility maximizing proper positioning of your client's standing and positioning needs. **Attention to correct alignment, proper support and comfort** are *essential* in accomplishing a successful standing program. Enjoy your Superstand Youth and all the benefits experienced from proper standing and positioning.

## ACCESSORIES



**Upper Extremity Positioning  
Tray Assembly**



**Size Adjustable Knee Pads**



**Steel Casters**

## **GENERAL MAINTENANCE**

1. Periodically insure nuts and bolts are secured properly.
2. Keep moving parts clean for free movement. Superstand Youth DOES NOT require lubrication.
3. Use soft cloth when cleaning tabletop.
4. DO NOT attempt to make any adjustments while the client is standing in the Superstand Youth.
5. All fabrics should be hand washed with mild soap and water, then allowed to air dry.

**Superstand, Superstand Youth**  
**Limited Warranty**  
Effective February 1, 2002

Warranty coverage is extended to the original purchaser for as long as the original purchaser owns the *Prime Engineering* system. *This warranty is in effect for the Superstand and Superstand Youth (the product) standing frames. Prime Engineering, Inc. ("the Company") shall repair, or replace the Product that fails due to defect in material, or workmanship per the following schedule:*

**Frames:** Lifetime to the original purchaser subject to the following terms, limitations and conditions.

**Gas Shocks:** One year to the original purchaser subject to the following terms, limitations and conditions.

**Straps:** One year to the original purchaser subject to the following terms, limitations and conditions.

**Other Components:** Upholstery, plastic parts, painted surfaces, rubber parts, bearings, casters and other parts not specifically identified above, all of which are warranted against defects in material and workmanship for three months from the original purchase date, subject to the following terms and conditions, and limitations.

**Warranty Conditions.** This warranty shall be in effect from the original purchase date to the consumer. The warranty registration form should be fully completed by the original retail purchaser / user or their agent, and received by *Prime Engineering* at its address set forth on the registration form no later than three months after the original purchase date. Any defective Product shall be delivered to *Prime Engineering*, or its local authorized dealer, at purchaser's expense for warranty inspection. Return freight charges shall be prepaid by *Prime Engineering*. You may contact Prime Engineering at (800) 827-8263 for authorized dealers in or near your location.

**Limitations and Exclusions.** The warranty provided above shall not apply to (a) a serial numbered Product if the serial number has been removed or defaced; (b) any Product subjected to negligence, abuse, misuse, improper operation, maintenance, or storage, or damages beyond *Prime Engineering's* control, as determined by *Prime Engineering*; (c) defects arising from purchaser's failure to follow instructions. *Any Changes or Additions* to the Product of unauthorized parts not manufactured or furnished by *Prime Engineering*. The repair or replacement by *Prime Engineering* for a defective Part or Product shall be purchaser's sole and exclusive remedy under the warranty. Repair labor/service charges are not covered by this warranty and are not the responsibility of *Prime Engineering*.

**The foregoing Warranty is exclusive and in lieu of all other warranties, express, implied, or statutory, including warranties of merchantability and fitness for a particular purpose and design. In no event shall *Prime Engineering* be liable for any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

**Prime Engineering**

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