Assembly Instructions

## Sun Room 8'- Clear Glazing



After Sale Service
Email: customer.service@palram.com

## IMPORTANT

Please read these instructions carefully before you start to assemble this SunRoom 8'. Keep these instructions in a safe place for future reference.

## GENERAL

- RION is not responsible for the misuse of tools or parts
- All opaque panels with the stamped words THIS SIDE OUT indicates the outside to create a full UV protection. Remove plastic sticker as panels are locked in place.
- All clear panels are protected by plastic film on both sides and don't have specific direction to install. Remove the plastic film before installation.
- The quantity of parts that are required for the extension, depends on the number packages purchased.
- Door can be assembled on the left or right hand side; in addition you can determine door direction opening.
- Specific screws and bolts must be purchased based on the surface (wall and ground) that the SunRoom 8' will be connected to.


Front 4'
Middle 2'
Back 4'

| Greenhouse <br> Sizes | Pack Qty <br> (Front 4') | Pack Qty <br> (Middle 2') | Pack Qty <br> (Back 4') |
| :--- | :---: | :---: | :---: |
| $8^{\prime} \times 8^{\prime}$ | 1 | $\times$ | 1 |
| $8^{\prime} \times 10^{\prime}$ | 1 | 1 | 1 |
| $8^{\prime} \times 12^{\prime}$ | 1 | 2 | 1 |
| $8^{\prime} \times 14^{\prime}$ | 1 | 3 | 1 |
| $8^{\prime} \times 16^{\prime}$ | 1 | 4 | 1 |
| $8^{\prime} \times 18^{\prime}$ | 1 | 5 | 1 |
| $8^{\prime} \times 20^{\prime}$ | 1 | 6 | 1 |

## SAFETY ADVICE

- RION is not responsible for the misuse of tools or parts.
- It is of utmost importance to assemble all of the parts according to the directions. Please follow them closely and do not skip any of the steps.
- We strongly recommend using working gloves during assembly.
- If using a step ladder or power tools ensure that you follow the manufacturer's safety advice.
- If local building codes require permits or licenses make sure that they are acquired before beginning.
- Your SunRoom 8' should be secured to the prepared foundation using the recommended hardware.
- Do not attempt to assemble the SunRoom 8' in windy or wet conditions.
- Dispose of all plastic bags. Please keep them out of reach of small children.
- Keep children away from the assembly area.
- Do not lean against or push the SunRoom 8' during construction.
- Do not attempt to assemble this SunRoom 8' if you are tired, have taken drugs or alcohol or if you are prone to dizzy spells.
- When your SunRoom 8 ' is fully assembled examine it for sharp edges and trim with a razor knife if necessary.
- If you live in a hot climate area, where outside temperatures exceed $46^{\circ} \mathrm{C}\left(115^{\circ} \mathrm{F}\right)$ under the sun or $36^{\circ} \mathrm{C}\left(99^{\circ} \mathrm{F}\right)$ in the shade, this may cause the temperature inside the SunRoom $8^{\prime}$ to exceed $55^{\circ} \mathrm{C}\left(131^{\circ} \mathrm{F}\right)$. Such conditions may harm your plants and will damage the SunRoom $8^{\prime}$ by warping the structural profiles. In order to prevent damage:
- Ensure good ventilation during hot days.
- Make sure that the temperature inside the SunRoom $8^{\prime}$ never exceeds $55^{\circ} \mathrm{C}\left(131^{\circ} \mathrm{F}\right)$ by providing a shading screen, such as the Shade Net (available as an accessories option).
Note: RION is not responsible for any damage due to high temperatures.
* Always close roof vent in high winds.


## REQUIRED TOOLS

- GT1 - Special tool to connect pins through lined up holes. Pin Tool fix and lock profiles in place.
- To assemble this product you will need the following tools (these items are not supplied).



## BEFORE ASSEMBLY

- RION is not responsible for the misuse of tools or parts.
- Selecting a site - the SunRoom 8' must be, positioned and fixed on a flat level surface.
- Sort the parts and check according to the contents parts list. Do not begin assembly if any other parts are missing.
- If you prepare a concrete foundation do not excavate and pour concrete in frozen ground.
- We recommend that you place your SunRoom 8 ' in a spot where it will receive direct sunlight and will be protected from the wind as much as possible. The door should not face prevailing winds.


## DURING ASSEMBLY

Step 1: Determine which side to place the door. The decision will affect the upcoming steps.
Steps 1, 3: Arrange all 2D connectors with the stamped word "OUT" facing out of the SunRoom 8'.

## Step 4:

- Make sure that the frame is perfectly straightened by measuring and verifying that they leveled.
- Make sure that the frame is leveled and anchor it to the ground with screw / screw + dibble / spike (not supplied) in accordance with the selected surface.
- The wall to which you are securing your SunRoom $8^{\prime}$ must be $90^{\circ}$ to the foundation.

Step 17:

- Make sure that the frame is perfectly straightened by measuring and verifying that they leveled.
- Make sure that the frame is leveled and anchor it to the wall with screw / screw + dibble / spike (not supplied excluding part \# BC1) in accordance with the selected surface.
- The wall to which you are securing your SunRoom onto must be $90^{\circ}$ to the foundation.


## Reinforcement Arch Profiles

## Steps 18-23:

- Ensure that all the metal profiles are inserted inside the plastic profiles.
- Repeat each step based on your SunRoom 8' size and the number of arch profiles needed to be assembled as illustrated. (These assembly instructions refer only to SunRoom $8^{\prime} \times 8^{\prime}$ and $8^{\prime} \times 10^{\prime}$ ).
Step 27: Make sure that the profiles are perfectly straightened by measuring and verifying that they are leveled.
Anchor the Part 7937 to the ground with screw/screw + dibble / spike (not supplied) according to the selected surface.
Step 28: Repeat Steps 24-27 according to the amount of modules purchased.
Step 30: Repeat and refer to Step 4.
Steps 39-40: Repeat and refer to Step 17.
Step 41: Seal the SunRoom 8' edges with Silicon Sealant.
Step 57: Insert the rubber strip (Part GF) from the outside of the SunRoom 8'. Cut the remaining edges.
Step 64: Insert the rubber strip (Part 7945) from the outside of the SunRoom 8'. During this step, turn the door in order to insert the rubber strip correctly.
Step 66: Determines door direction. The door can be installed and open either as a left or right hand door.
Step 69: Adjust the hinges height in accordance with the upper post and lower ramp of the door aperture, as specified in level C.

| Item |  | Front | Back | Middle |
| :---: | :--- | :---: | :---: | :---: |
| PN55 | PN53 |  |  | 2 |

## Contents

| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| 586 |  |  | 1 |  |
| 7801 |  | 1 |  |  |
| 7809 |  |  | 1 |  |
| 7612 |  | 1 | 1 |  |
| 7805 |  | 1 | 1 |  |
| 7614 |  | 1 | 2 | 1 |
| 7804 |  | 1 | 2 | 1 |
| 7951 |  | 2 |  |  |
| 7552 |  | 4 | 4 | 2 |
| 992 |  |  | 2 |  |
| 991 | N |  | 1 |  |
| 989 |  |  | 1 |  |
| 7950 |  | 1 |  |  |
| 7952 |  | 2 |  |  |

## Contents

| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| 7949 |  | 1 |  |  |
| 7884 |  | 2 |  |  |
| 7936 | 为 | 1 | 1 | 1 |
| 7937 | Nosessers | 1 | 1 |  |
| 7536 |  |  | 1 |  |
| 7534 |  |  | 1 |  |
| 7535 |  |  | 1 |  |
| 7533 |  |  | 1 |  |
| 7934 |  | 1 | 2 | 1 |
| 7933 |  | 1 | 2 | 1 |
| 7935 |  | 1 | 2 | 1 |
| 7932 |  | 1 | 2 | 1 |
| 7957 |  |  | 1 |  |

## Contents

| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| DSN | 唐 | 1 |  |  |
| GF* | *only for clear Sun Room / Sun Lounge | 2 | 2 | 1 |
| 7954 |  | 1 |  |  |
| 8017 |  | 1 |  |  |
| SF | $=13$ |  | 1 |  |
| 7608 |  | 2 | 3 | 1 |
| 7800 |  | 2 | 3 | 1 |
| PIN1 | $10^{88}$ | 160 | 160 | 30 |
| 72 |  | 2 |  |  |
| 73 | $\frac{580}{5(10)}$ |  | 2 |  |
| 74 |  | 2 | 4 | 2 |
| 01 |  | 1 | 1 |  |
| 2D |  | 6 | 7 | 1 |
| 53 |  |  | 1 |  |
| 75 |  | 1 |  |  |
| 51 | 害 | 2 | 4 | 2 |


| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| 76 |  |  | 1 |  |
| 71 |  | 1 |  |  |
| 10 |  |  | 2 |  |
| 11 | $\frac{10}{14}$ | 1 | 1 |  |
| 12 |  | 1 |  |  |
| 13 |  |  | 1 |  |
| 14 | 连 | 1 | 2 | 1 |
| 09 | $\$ 5$ | 5 | 3 |  |
| SR2 | $0$ | 1 |  |  |
| B1 | $12$ | 1 | 1 |  |
| B2 |  | 4 | 8 | 2 |
| B3 |  | 1 |  |  |
| B4 |  | 3 |  |  |
| B5 |  | 1 | 1 |  |
| B12 |  | 1 | 1 |  |


| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| R1 |  | 1 | 1 |  |
| R4 |  | 1 | 1 |  |
| R10 |  | 1 | 1 |  |
| E1 |  | 4 | 5 | 1 |
| E2 |  | 4 | 10 | 2 |
| E13 |  | 2 | 3 |  |
| E15 |  | 1 | 2 | 1 |
| E100 |  | 4 |  |  |
| E105 |  | 1 |  |  |
| E106 |  | 1 |  |  |
| E107 |  | 1 | 2 | 1 |
| 7938 | $8$ | 1 |  |  |
| 7939 | $5$ | 1 |  |  |
| 7940 |  | 1 |  |  |
| 7941 |  | 1 |  |  |
| 7898 | $\left[\begin{array}{l} \sqrt{2} \\ 0 \end{array}\right.$ | 4 |  |  |

## Contents

| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| 7948 | 0 O 0 | 2 |  |  |
| BC1 | $\theta$ | 10 | 2 | 2 |
| 7220 | $\stackrel{\infty}{\infty}$ |  | 1 |  |
| 7912 | $\stackrel{\square}{0}$ | 1 |  |  |
| 7913 | $8$ | 1 |  |  |
| 8039 | $0$ | 3 |  |  |
| 7994 |  | 1 |  |  |
| 7995 |  | 1 |  |  |
| 7996 | (1) | 2 |  |  |
| 466 | (a) | 26 | 10 | 4 |
| 411 | ( 1 | 26 | 10 | 4 |
| 4008 |  |  | 4 |  |
| 7441 |  |  | 1 |  |
| 7442 |  | 4 |  |  |
| 7445 |  | 4 |  |  |
| 7224 |  | 6 |  |  |

## Contents

| Item |  | Front | Back | Middle |
| :---: | :---: | :---: | :---: | :---: |
| 7958 |  | 1 |  |  |
| 465 | (1) |  | 4 |  |
| 422 | $0$ |  | 4 |  |
| 4043 |  | 8 | 9 | 3 |
| 22 | 5 |  | 1 |  |
| 99 |  |  | 1 |  |
| GT1 | $\leftrightarrow \underset{y}{\infty}$ | 1 | 1 |  |
| 7993 |  | 1 |  |  |
| 7918 |  | 2 |  |  |
| 7919 |  | 2 |  |  |
| 7920 | 000 | 2 |  |  |
| 7921 | 00 | 2 |  |  |
| 7923 |  | 4 |  |  |
| 7922 | $\square$ | 2 |  |  |
| 7924 | H | 4 |  |  |


| item |  | Qty. |
| :---: | :---: | :---: |
| B3 | 这 | 1 |
| B4 |  | 1 |
| 11 | $\frac{1}{4}$ | 1 |
| 2D |  | 1 |
| Pin 1 | 105 | 6 |



| item |  | Qty. |
| :---: | :---: | :---: |
| SR2 |  | 1 |



## 3 [i



| Item |  | Qty. |
| :---: | :---: | :---: |
| B 2 |  | 1 |
|  | B4 |  |
| 01 |  | 2 |
|  |  | 1 |
| $2 D$ |  | 2 |
|  |  |  |
| $\operatorname{pin} 1$ |  | 12 |




## 5



| Item |  | Qty. |
| :---: | :--- | :---: |
| B1 |  | 1 |
| E1 |  | 1 |
|  |  |  |


| Item |  | Qty. |
| :---: | :---: | :---: |
| R1 |  | 1 |
|  |  |  |
| pin1 | 5 | 6 |



R1




## $8$



## $9$



| Item |  | Qty. |
| :---: | :--- | :---: |
| B12 |  | 1 |
| E13 | in | 2 |
|  |  |  |


| Item |  | Qty. |
| :---: | :--- | :---: |
| 7942 |  | 1 |
|  |  |  |
| $\operatorname{pin} 1$ | [14 | 6 |




| Item |  | Qty. | Item |  | Qty. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| R4 | 3 | 1 | 12 |  | 1 |
| B5 | $\geqslant 0$ | 1 | pin1 | [1]5 | 4 |
| 7800 | $\$ 3$ | 1 |  |  |  |



## 13

| Item |  | Qty. |
| :---: | :---: | :---: |
| E106 | $\rightarrow 5$ | 1 |
| E105 |  | 1 |
| E100 |  | 1 |
| 2D |  | 1 |
| 09 | $8$ | 2 |


| Item |  | Qty. |
| :---: | :---: | :---: |
| pin1 | (1)5 | 6 |
| 7941 |  | 1 |
| 7940 | $0_{0}^{0}$ | 1 |
| 7224 | (*) | 2 |
| 466 | (0) | 2 |


| 466 | (a) | 2 |
| :--- | :--- | :--- | :--- |



| Item |  | Qty. |
| :---: | :--- | :---: |
| 71 |  | 1 |
| 7801 |  | 1 |
|  |  |  |
| $\operatorname{pin} 1$ |  |  |



## $15$




17 ,


| Item |  | Qty. |
| :---: | :---: | :---: |
| 51 |  |  |
| 7932 |  | 1 |
| 7933 |  |  |
| 411 |  | 1 |
| 466 |  | 2 |




| Item |  | Qty. |  |
| :---: | :---: | :---: | :---: |
| 51 |  |  | 1 |
|  |  |  | 1 |
| 7935 |  |  | 1 |
| 7934 |  |  | 2 |
| 411 |  |  | 2 |
| 466 |  |  |  |

$x 3$ - $1 / 1{ }^{8 \prime x 8^{\prime}}$ x4




| Item |  | Qty. |
| :---: | :---: | :---: |
| 2 D | 2 | 1 |
|  | E 1 |  |
| $\operatorname{pin} 1$ | 1755 | 4 |


<


23

| Item |  | Qty. |
| :---: | :--- | :---: |
| 14 |  | 1 |
| E 107 |  | 1 |
| 7800 |  | 1 |
| $\operatorname{pin} 1$ | 45 | 4 |



$25$



## 27 i




| Item |  | Qty. |
| :---: | :---: | :---: |
| B2 |  | 4 |
| 11 |  | 1 |
|  | 01 |  |
|  |  | 1 |
|  |  |  |


| Item |  | Qty. |
| :---: | :---: | :---: |
| 2 D |  | 3 |
|  |  |  |
| $\operatorname{pin} 1$ |  | 16 |



30 ,


## $31$



| Item |  | Qty. |
| :---: | :---: | :---: |
| 10 |  | 2 |
| 09 |  | 1 |
| 2 A |  |  |
| E 2 |  | 1 |
| 7957 |  | 1 |





| Item |  | Qty. |
| :---: | :--- | :---: |
| 53 |  | 1 |
|  |  | 1 |
| 7957 |  |  |
| $\operatorname{pin} 1$ |  | 16 |



## 34



| Item |  | Qty. |
| :---: | :---: | :---: |
| pin1 | $\mathbb{T D}$ | 10 |

## $35$




## $36$



## 37

| Item |  | Qty. |
| :---: | :--- | :---: |
| R4 |  | 1 |
|  | E2 |  |
| E13 |  | 1 |
| 7800 |  | 1 |
| B5 |  | 1 |
| 13 |  | 1 |
| 76 |  | 1 |


| Item |  | Qty. |
| :---: | :--- | :---: |
| 09 |  | 2 |




| Item |  | Qty. |
| :---: | :---: | :---: |
| pin 1 | TID | 14 |

## b

39 i



CAULK / SILICON




## $44$



## $45$



## 46

| Item |  | Qty. |
| :---: | :--- | :---: |
| 7536 |  | 1 |
| 7533 |  | 1 |
| 7534 |  | 1 |
| 465 |  | 2 |
| 422 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



| Item |  | Qty. |  |
| :---: | :---: | :---: | :---: |
| 7535 |  | 1 |  |
|  |  |  | 2 |
| 465 |  |  |  |
| 422 | $B$ |  | 2 |
|  |  | $M 4 \times 8 \mathrm{~mm}$ |  |




| Item |  | Qty. |
| :---: | :---: | :---: |
| 7802 |  | 1 |



EN Windows Location
DE Fenster Standort
FR Fenêtre Emplacement
ES Ventana Ubicación


| Item |  | Qty. |
| :---: | :---: | :---: |
| 7803 |  | 3 |
|  |  |  |
|  |  |  |



| Item |  | Qty. |
| :---: | :---: | :---: |
| Window |  | 1 |

## Hiff



## $53$




## $55$


$56$

$e^{\text {amp }}$

$58$


| Item |  | Qty. |
| :---: | :--- | :---: |
| 7953 |  | 1 |
| 7951 |  |  |
| 411 |  | 1 |
| 466 |  | 6 |




| Item |  | Qty. |
| :---: | :---: | :---: |
| 7898 |  | 2 |
|  | OU | 8 |
| 466 |  | 4 |
| 411 |  |  |



$62$

$\left.\begin{array}{|c|c|c|}\hline \text { Item } & & \text { Qty. } \\ \hline 7918 & \text { Qa } & 2 \\ 0 \\ 0 \\ 0\end{array}\right]$


b


C


64 i

| Item |  | Qty. |
| :--- | :--- | :--- |
| 7954 |  |  |
|  |  |  |




$67$




| Item |  | Qty. |
| :--- | :--- | :---: |
| 7912 |  | 1 |
| 8039 |  | 2 |
| 7913 |  | 1 |
| 7958 | 8 | 1 |
| 4043 | 8 | 2 |





