



## **INSTRUCTION MANUAL**

### **122008R CARPORT**

[www.hardlifeutility.com](http://www.hardlifeutility.com)

## TABLE OF CONTENTS

INTRODUCTION .....	02
ASSEMBLY INSTRUCTIONS .....	03
USAGE INSTRUCTIONS .....	03
CARPORT SPECIFICATIONS .....	03
COMPONENT LIST .....	04
FRAME SKETCH .....	05
ASSEMBLY AND INSTALLATION .....	06
TOOLS REQUIRED FOR INSTALLATION .....	06
SITE PREPARATION .....	06
FRAME ASSEMBLY .....	07
Assembly of the Front and Back Door Arches .....	07
Assembly of the Group Arches .....	07
FRAME INSTALLATION .....	08
INSTALLING THE FRONT AND BACK COVERS.....	09
FRONT WALL ASSEMBLY .....	10
INSTALLING THE ROOF COVER .....	11
DUCKBILL NAIL INSTALLATION .....	12
MAINTENANCE .....	13

## INTRODUCTION

Thank you for purchasing the Hardlife Utility 122008R carport. The Hardlife 122008R portable carports are tough, sturdy, and reliable. The carports' frames are made of tough, Q215 steel tubes that are specially designed to protect your vehicle in unpredictable weather conditions, and the fabric is made of heavy-duty PVC.

To ensure safety, please read through this instruction manual carefully prior to the assembly, installation, use, and removal of the carport. Improper site preparation, assembly, and maintenance of the carport may invalidate warranty. Please reach out to your local dealer for any queries.

To ensure user-friendly assembly of the carports, each individual component is identified with their respective component code, as indicated in the "Component List" of this manual. Please refer to the component codes and the figures to ensure hassle-free and safe assembly.

The information, specifications, and illustrations in this manual are on the basis of the information that was available at the time of publication. Our products are subject to improvements and changes without prior notice. The manual will be revised from time to time based on upgrades to the carports. Please contact the manufacturer or the authorised dealers for the latest available information.

## ASSEMBLY INSTRUCTIONS

1. Adhere to the instructions mentioned in this manual during assembly, anchoring, use, and removal of the carports. Improper assembly can result in potential hazards.
2. Keep the work area free of clutter.
3. Assemble and install the carports only on flat, hard, and level surfaces. Do not install the carports on slippery or wet surfaces, in areas of high-velocity winds, or near snow drifts.
4. Ensure to keep children and bystanders away during installation, maintenance, and removal of the carports.
5. Ensure proper footing and balance at all times.
6. Do not assemble the carport under the influence of alcohol, drugs, or medication. Read the warning labels on your medication to determine if your judgment or reflexes may be impacted.
7. Do not assemble the carport in windy conditions; fasten the base of the carport in concrete if it's likely to be windy.
8. Ensure personal safety during assembly of the carport. Wear safety goggles and gloves during assembly, and exercise caution when handling clips and tubes.
9. Ensure there is adequate ventilation for exhaust and other dangerous fumes.

## USAGE INSTRUCTIONS

1. Ensure that the tent fabric is clear of snow at all times, taking care to remove snow manually if it does not fall off by itself.
2. Ensure to keep the carport away from heat sources. Do not expose the tarpaulin to open flame.
3. Ensure to remove the fabric cover before hurricanes and blizzards.
4. Tighten the fabric cover every month.
5. Ensure adult supervision at all times.

## SHELTER SPECIFICATIONS

DIMENSIONS	LS1313
Overall Dimensions (ft.)	4W X 4L X 3.2H
Overall Dimensions (m)	3.66W X 6.1L X 2.44H
Zipper Door Dimension (m)	3.5W X 1.9H

## COMPONENT LIST

COMPONENT CODE	DESCRIPTION	122008R (Quantity)
1	Male Bent Tube	6
2	Female Bent Tube	6
3	Stake Peg for Back Door Arch	2
3A	Stake Peg for Front Door Arch	2
4	Stake Peg for Middle Arch Frame	8
5	Male Horizontal Connecting Tube	20
6	Female Horizontal Connecting Tube	5
7	Diagonal Bracing Tube	2
9	Duckbill Nail	6
10	Ø12x X 1000 mm Steel Rod	1
11	U bolt	6
13	Roof Cover	1
14	Front and Back Door Covers	2
15	M8 X 80 mm Bolts	30
16	M8 X 50 mm Bolts	2
17	Bungee Cords	6
18	Ø42 mm Plastic Plugs	12
19	Ø28 mm Plastic Plugs	10
20	Rope	2 Rolls

# FRAME SKETCH

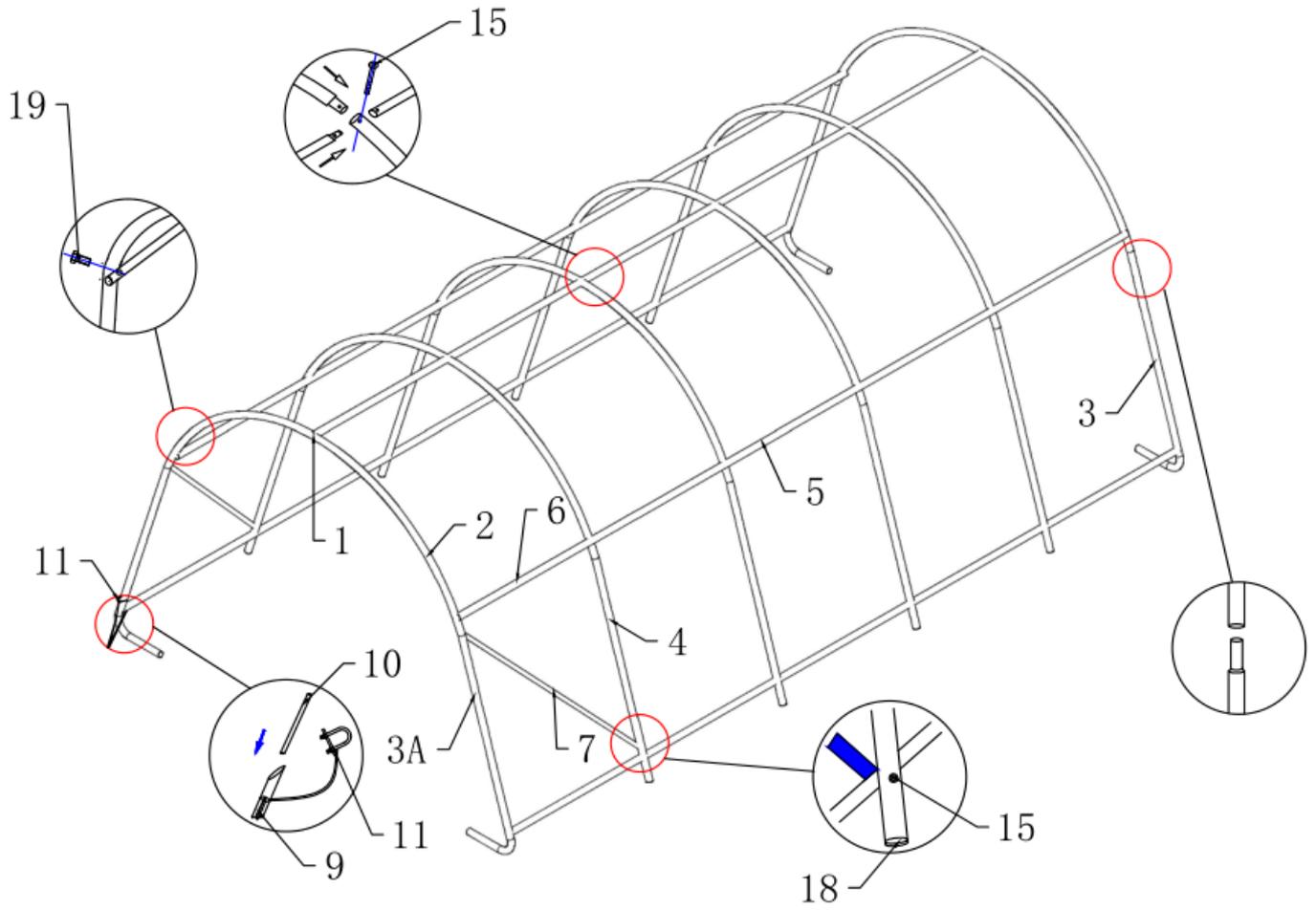


Figure 1

## ASSEMBLY AND INSTALLATION

You can install the Hardlife portable carport with a 2-member team of your own in a day, by carefully following the instructions provided in this Instruction Manual.



**WARNING:** Ensure that you do not leave this product partially assembled, as it can pose serious dangers.

**CAUTION:** Ensure that all the components are securely fitted before use.

## TOOLS REQUIRED FOR INSTALLATION

1. Measuring tape
2. String for alignment
3. Electric hammer
4. Step Ladder
5. Sledge hammer
6. Wrench
7. Scissors

## SITE PREPARATION

To prepare the site for installing the shelter:

1. Select a flat, hard, and level surface.
2. Ensure that all the components are present by checking with the “Component List” prior to installation.
3. Mark out a rectangular site using a string or chalk. It is recommended that the string or chalk line is slightly larger than the carport area.
4. Lay out all the components within the rectangular site, in the approximate locations at which they will be assembled. This makes preliminary work easier on an open, clear space rather than having parts scattered in the way.

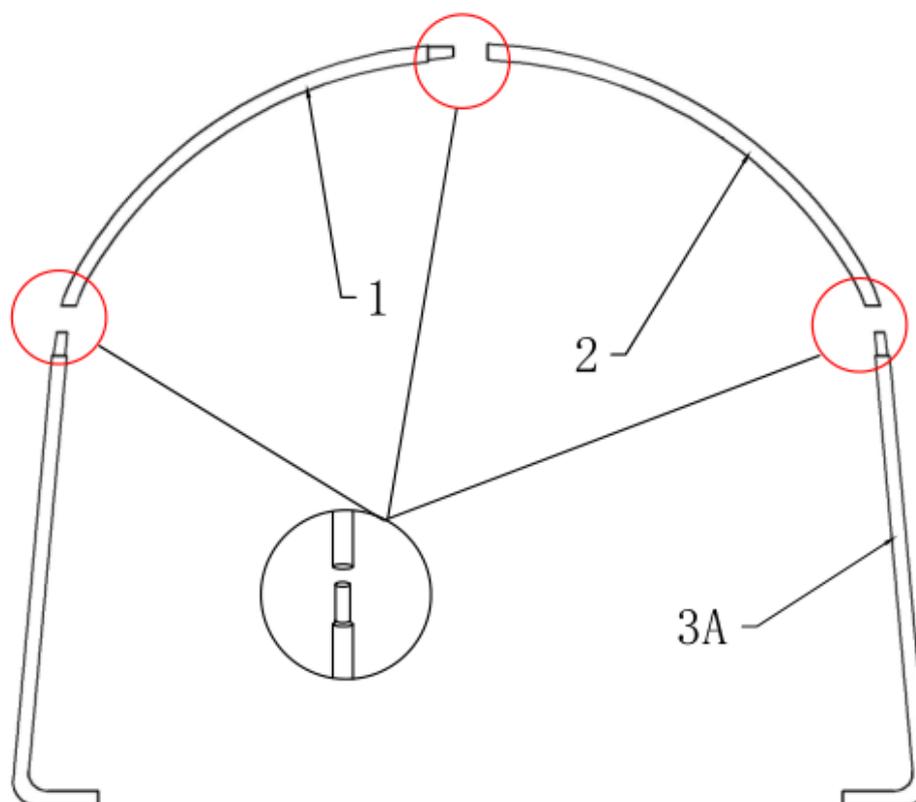
## FRAME ASSEMBLY

### Assembly of the Front and Back Door Arches

The arches for the front and back door, as shown in Figure 2, are made of:

- One male bent tube (Indicated by component code 1).
- One female bent tube (Indicated by component code 2).
- Two pieces of stake pegs for the front door arch (Indicated by component code 3A).
- Two pieces of stake pegs for the back door arch (Indicated by component code 3).

Connect all the pieces together, as shown in Figure 2, to make the front and back door arches.



*Figure 2*

### Assembly of the Group Arches

Each group arch is made of:

One male bent tube (component code 1).

One female bent tube (component code 2).

Two pieces of stake pegs for the middle arch frame (component code 4).

Connect all the pieces together to make a group arch. Similarly, assemble all the other group arches.

## FRAME INSTALLATION

1. Erect the front door arch, as shown in Figure 3.
2. Install the second arch immediately after installing the first arch, and connect the two arches using female horizontal connecting tubes (component code 6), as shown in Figures 1 and 3. Secure the connecting tubes using M8 X 80 mm bolts (component code 15).

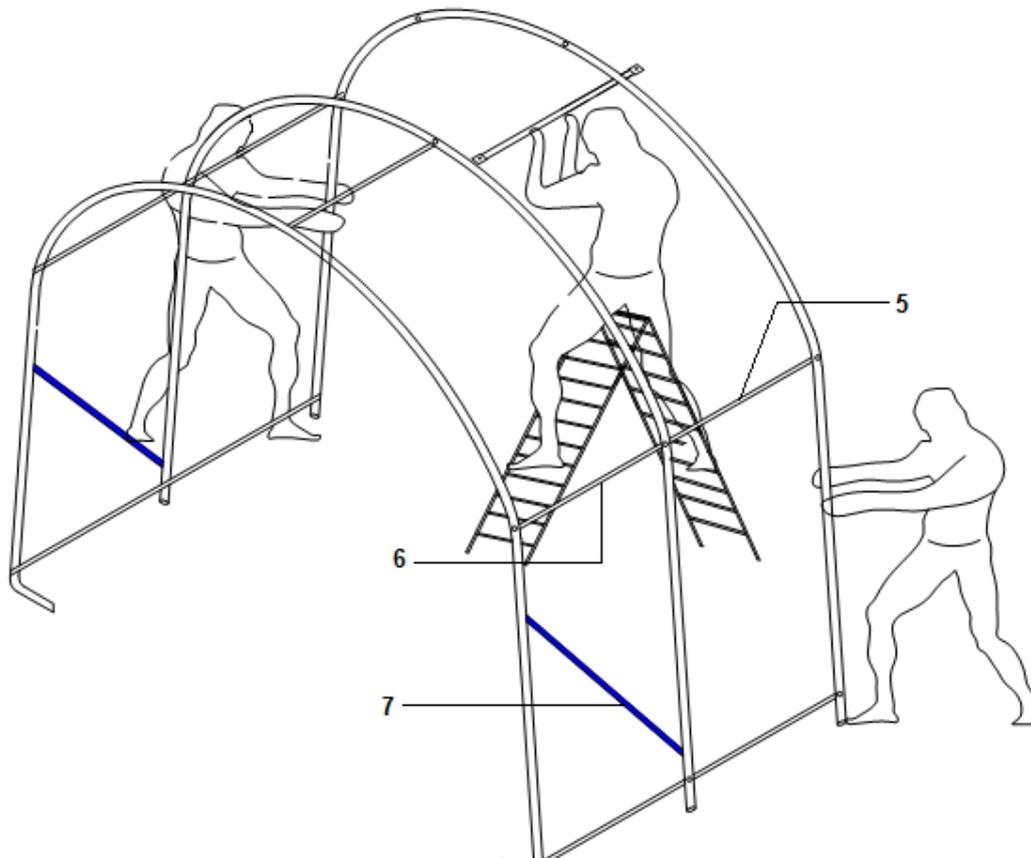


Figure 3



### CAUTION:

- Ensure that the bolt head is in the right direction to prevent it from tearing the roof cover.
- Do not install the carriage bolt on top of the truss, where the fabric will rest, as it can tear the fabric.

3. Install the diagonal bracing tube (component code 7) and secure using M8 X 50 mm bolts (component code 16) to make the front door group arch.

### NOTE:

There are 5 pieces of female horizontal connecting tubes between the first and second arches.

4. Then, install the third arch and connect the male horizontal connecting tubes (component code 5) between the second and third arches, as shown in Figures 1 and 3. Secure the connecting tubes using M8 X 50 mm bolts.



*Figure 4*

**NOTE:**

Ensure that the horizontal connecting tubes are below the arch of the frame so that the roof cover can be well supported, as shown in Figure 4.

5. Likewise, install the other arches in the same manner and connect them using the male horizontal connecting tubes.
6. Install the back door arch and connect using the male horizontal connecting tubes.
7. Finally, plug the connecting tubes with their respective  $\varnothing 42$  mm plastic plugs (component code 18) or  $\varnothing 28$  mm plastic plugs (component code 19).
8. Tighten all the frame bolts and connecting tubes adequately before installing the roof cover.

## INSTALLING THE FRONT AND BACK COVERS

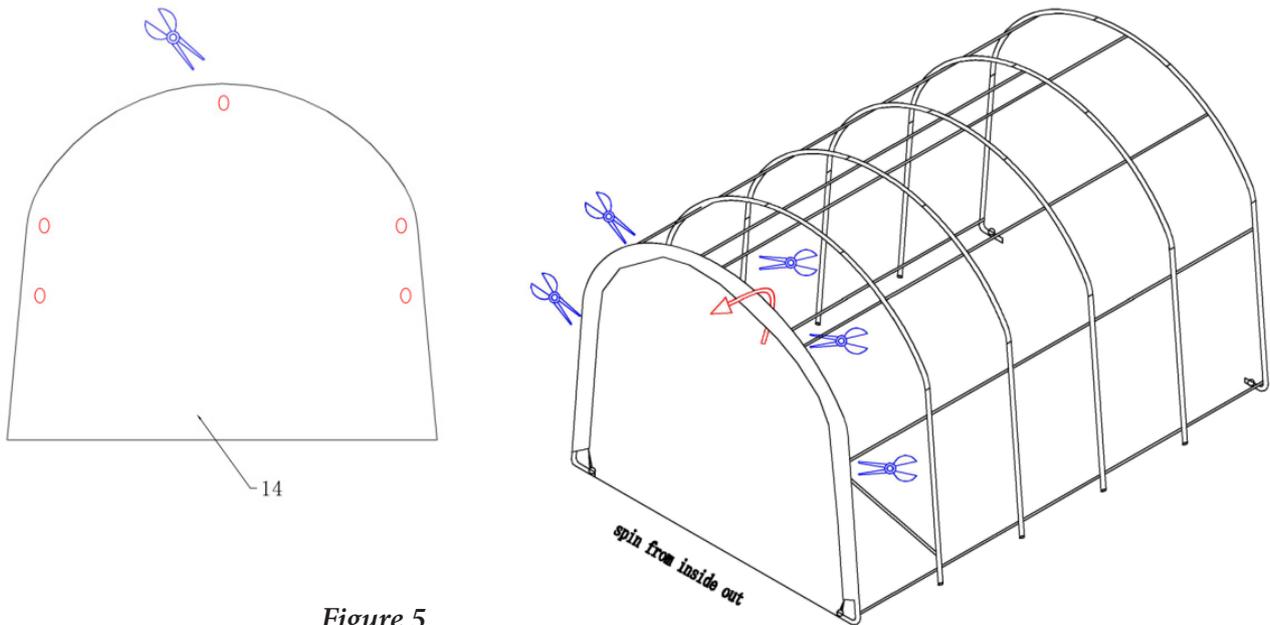


**CAUTION:**

**Do not install the front and back covers onto the frame of the carport in high wind conditions.**

1. Put on the front door cover (component code 14) from the inside of the front door frame to the outside, as shown in Figure 5.

2. Cut pieces of ropes (component code 20) to suit your requirement and use them to lace the front cover, from the inside, to the frame of the front door through the grommets provided on the cover, thus securing the front cover, as shown in Figures 5 and 6.
3. Tie the remaining rope to the bottom of the door frame, as shown in Figure 6.
4. Repeat the same procedure for the back door cover (component code 14).
5. To open the doors, unzip the front door and back door covers, roll them up, and secure with bungee cords (component code 17), as shown in Figure 7.

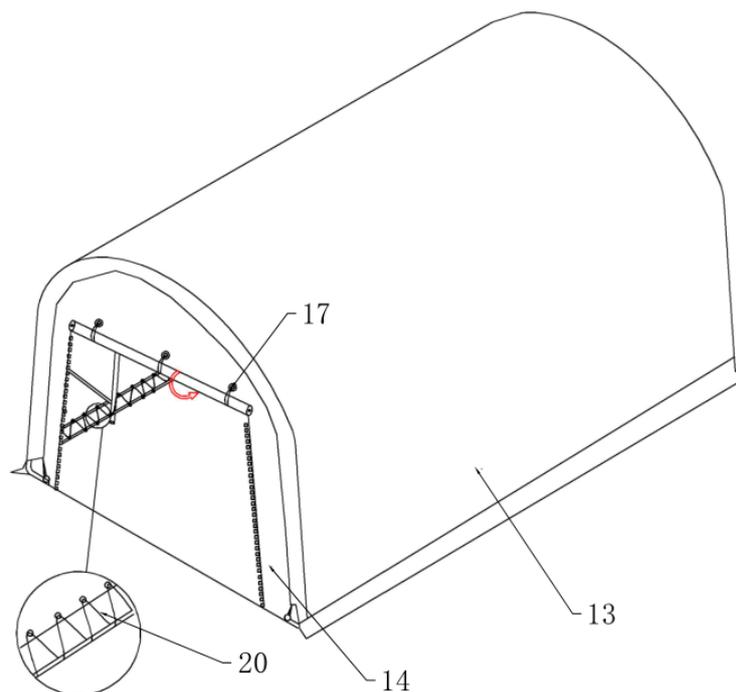


## INSTALLING THE ROOF COVER

### NOTE:

A slight breeze is the most advantageous for roof cover installation. To take advantage of the breeze, gently pull the cover up over the arches using ropes, with breeze blowing in the cover like a sail filled with air.

1. Unpack the roof cover (component code 13) and lay it open on the ground, parallel to the assembled frame on one side.
2. Pull the roof cover over the frame evenly, carefully, and slowly as shown in Figure 7. You can tie ropes to one end of the roof cover and pull it over the frame, if required.



*Figure 7*

### NOTE:

Ensure that the roof cover does not get snagged on any part of the frame as it can result in tears.

3. Adjust the cover such that it is evenly centred on the frame, and smoothen to remove all wrinkles on the cover.
4. Knit the lower end of the roof cover to the lowest horizontal connecting tubes using ropes, as shown in Figure 7.

### NOTE:

Ensure that you do not over tighten the lacings.



### WARNING:

Never leave the roof cover unattached under any circumstances until the final assembly and tightening have been completed.

# DUCKBILL NAIL INSTALLATION



*Figure 8*

1. Insert the  $\varnothing 12\text{mm}$  steel rod (component code 10) into one duckbill nail (component code 9), and use an electric hammer to insert the nail deep into the ground, as shown in Figure 8.
2. Fix the duckbill nail to the lower end of the arch tube using U bolts (component code 11). There are 6 duckbill nails.
3. Your carport assembly is complete.

**NOTE:**

Use duct tape to close the gaps in between the steel frame after installation of the carport, if required. You can also use duct tape on some tube connections near the top of the frame to ensure that the roof cover doesn't tear from rubbing against sharp corners.

**MAINTENANCE**

- It is mandatory to tighten the roof fabric enough to avoid “hammocks” on the roof and re-tighten the roof fabric regularly. This maintenance procedure is crucial as the roof fabric tends to be stiff in the cold season (autumn and winter) and slack during summer. Hence, the roof fabric should ideally be re-tightened before the next winter.
- Adjust the roof cover every month to ensure you always have a flat and tensioned roof cover.
- Inspect the carport regularly, and replace damaged components.





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