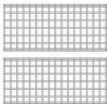


Winnerwell® Marsfire External Air Wood Burning Tent Stove

General Instruction Manual

Part Details

Please check all parts before assembly. If there are missing or damaged parts, please contact the seller.

			
Stove Body x1	Grate x2	Log Retainer x1	Pipe x5
			
Spark Arrestor x1	Ash Scraper x1	External Air Intake Pipe x1	Carrying Bag x1

Regular Guidance

Take out the spark arrestor and chimney pipe.

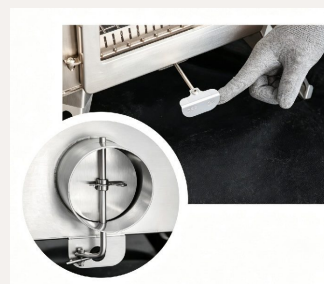
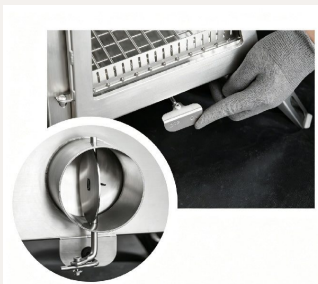


Log Retainer installation position.



Instruction of external air intake adjustment.

- OFF: air intake closed.
- ON: air intake fully open.



Left: closed | Right: fully open

Fix with peg to avoid possible toppling of the stove.



Install the pipe(s) with smaller diameter.



Fix with guyline.



Instructions for Installing the Stove in a Tent

1. Place the stove in an appropriate position of the tent with the safe distance in accordance with DANGER 5.



2. Install the chimney pipes and spark arrestor

For convenience, you can first install the chimney pipes and spark arrestor above the Triple-wall Heat Protector Chimney, and install the whole set passing through the Flashing Kit.



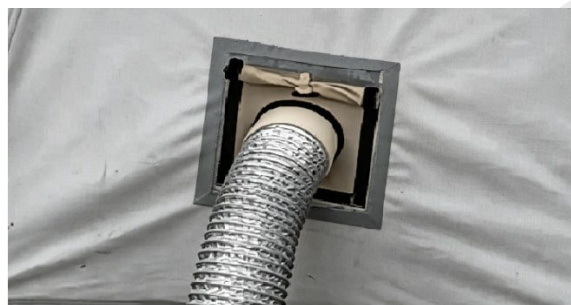
3. Fix with guyline to avoid possible toppling of the chimney.



4. Extending the external air intake pipe outside the tent

Three ways of extending the external air intake pipe to the outside of the tent:

- If the groundsheet of your tent is removable, you can extend the external air intake pipe through the gap between the ground and the snow skirt to the outside.
- If there is a ready opening with the right size on your tent, you can pass the external air intake pipe through this opening to the outside directly.



- If you need to make an opening on your tent for the external air intake pipe to pass through, please purchase the Winnerwell® Opener & Seal Set separately.

Separate the parts.



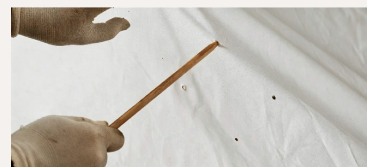
Determine the position of the opening.



Mark the screw positions.



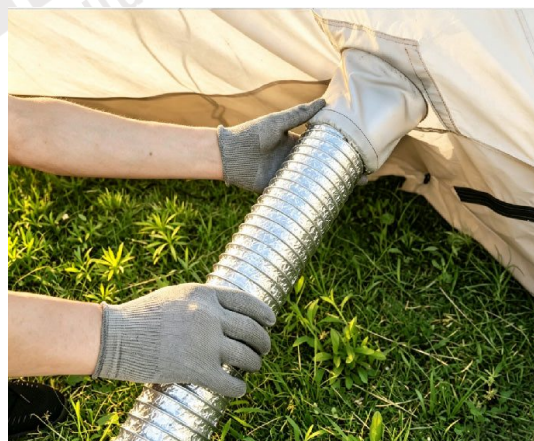
Make the screw holes with a peg.



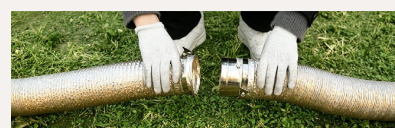
Fix the metal rings onto the tent symmetrically, cut off the tent fabric, and the opening is done.



5. Install the external air intake pipe and extend it to the outside of the tent.



If needed, extra external air intake pipe can be purchased separately to reach your desired length.



6. Install external shielding mesh to block out small animals or other debris.



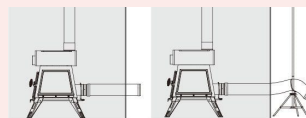
7. Done. Enjoy your camping life!



DANGER

1

DANGER: When using the stove in a tent, a cabin or other airtight spaces, a Winnerwell® External Air Intake Pipe must be equipped. Install the external air intake pipe correctly to connect with the direct air outside, and ensure a smooth air intake through the air inlet. Set the inlet of the external air intake horizontally or downward to block rain entering the pipe. Check the external air intake pipe regularly before and during use to avoid abnormal air intake due to blockage, flattening or damage of the pipe.



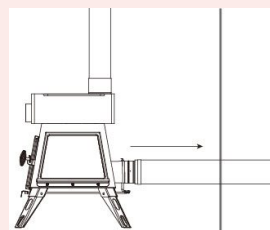
2

DANGER: On snowy days, the external air intake pipe should be raised and the air inlet should face downward, to avoid abnormal air intake caused by snowdrift blockage or snow pouring into the pipe, which would affect the combustion of the stove.



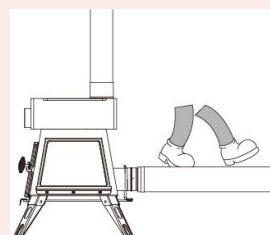
3

DANGER: Connect the external air intake pipe to the outside as straight as possible to avoid abnormal air intake by pipe bending, which will affect the combustion of the stove.



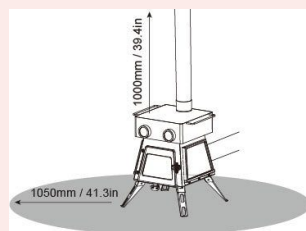
4

DANGER: No stepping on the external air intake pipe, to prevent combustion failure due to abnormal airflow caused by deformation of the pipe, which may endanger personal safety.



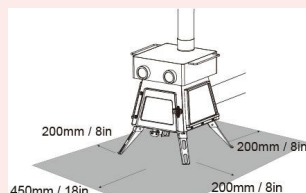
5

DANGER: Clearance to combustible materials — minimum clearance from the top surface of the stove is 1000mm (39.4in). Minimum clearance from the sides and corners of the stove body is 1050mm (41.3in). Minimum clearance from the rear of the stove body is 1050mm (41.3in). Minimum clearance from the fueling and ash-removal side is 1050mm (41.3in).



6

DANGER: Always ensure you have fireproof material underneath the stove; a Winnerwell® Fireproof Mat is recommended. The mat must normally extend not less than 450mm (18in) in front of the loading door and 200mm (8in) beyond the other sides and back.



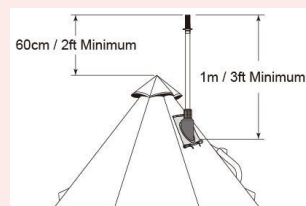
7

DANGER: To start your fire, ensure the tent or shelter is well ventilated in case of smoke spillage. When using this stove in a camping tent, always leave a window cracked or door open. Ensure a minimum opening of 0.3m² (465 sq. in) for adequate ventilation.



8

DANGER: Minimum chimney height above the roof of the tent or shelter — the top of the chimney should be high enough to sit above the air turbulence caused when wind blows against the tent/shelter. The chimney must extend at least 1m (3ft) above the highest point of contact with the roof, and at least 60cm (2ft) higher than any roof line or obstacle within a horizontal distance of 3m (10ft). If the standard pipe cannot meet this requirement, purchase spare part pipes separately.



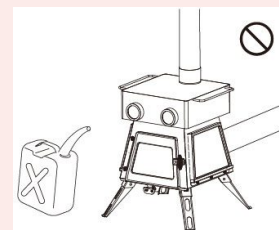
9

DANGER: Please use dry wood only! The use of damp wood or other fuels may cause incomplete combustion and produce carbon monoxide. We recommend using a carbon monoxide detector in your tent or shelter.



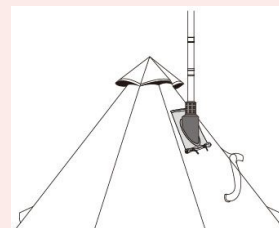
10

DANGER: Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, ethyl alcohol or similar liquids to start or reignite a fire in the stove. Keep all such liquids well away from the stove while it is in use.



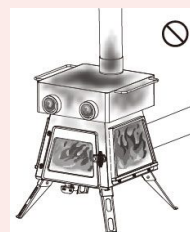
11

DANGER: Do not insert the stove pipe directly through the tent fabric. A Winnerwell® Flashing Kit and Triple-wall Heat Protector Chimney must be used. If you are using a rain fly, you must have a Flashing Kit and Triple-wall Heat Protector Chimney installed on both the rain fly and the tent. Failure to adhere to these precautions could result in your tent catching fire. To use the stove in a Winnerwell® tent, please purchase a Winnerwell® Flashing Kit separately.



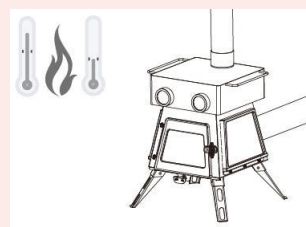
12

DANGER: Never build an excessive fire, use firewood full of pitch, or burn coal in the stove. This can create excessive heat, turn the stove cherry red, and potentially warp and damage the stove.



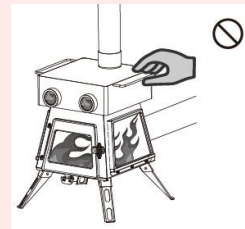
13

DANGER: The stove has an optimal temperature range between 400°F and 700°F. Managing the stove within this range is strongly recommended; low temperature may cause incomplete combustion while excessively high temperature may damage the stove. When starting a fire, keep the doors and windows of the tent or shelter fully open to ensure full ventilation. When it reaches the optimal temperature, keep the minimum opening for ventilation in accordance with DANGER 7.



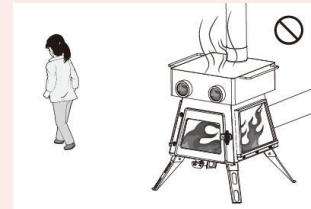
14

DANGER: Never attempt to move the stove or pipe sections while the stove is burning. Always ensure the stove has fully cooled before moving.



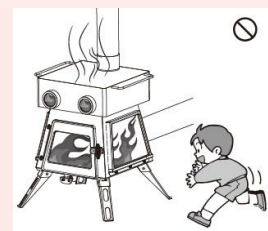
15

DANGER: Never leave the stove burning unattended.



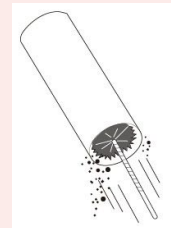
16

DANGER: Not intended for use by children under 16 years of age.



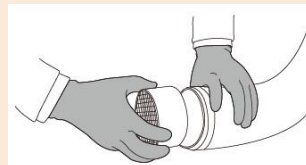
17

DANGER: Check the spark arrestor, flue pipe sections, air channels along the firebox and external air intake pipe daily for excessive creosote buildup, and clean with a Winnerwell® Pipe Brush as necessary to prevent blockage. Failure to check and clean regularly can result in compromised draw, incomplete combustion and smoke spillage, and increases the risk of chimney fire. Check for blockage prior to re-lighting after a prolonged shutdown period.

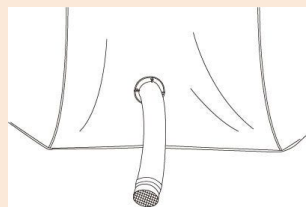


WARNING**1**

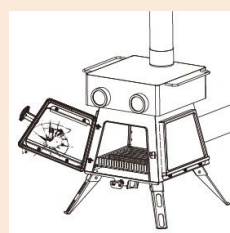
WARNING: Properly install the external shielding mesh of the external air intake pipe to block small animals or leaves entering.

**2**

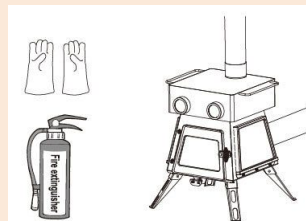
WARNING: If you need to make an opening on the tent for the external air intake pipe to pass through, it is recommended to fix the pipe and the opening to prevent possible tearing of the tent fabric.

**3**

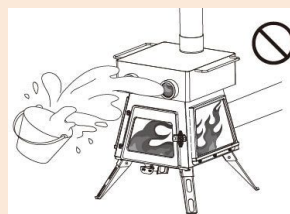
WARNING: The stove shall not be used if the seals around the door are damaged. The door of the combustion chamber shall always be closed when operating, and shall only be opened for adding fuel, ignition and extinguishing.

**4**

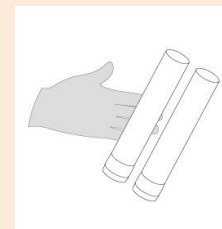
WARNING: Stove components may have sharp edges or corners; be sure to handle them with care to prevent injury.

**5**

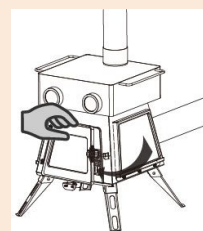
WARNING: Never operate the stove when it has become damaged or combustion seems abnormal. Never pour water on the stove when it is burning; hot water vapor may cause burns.

**6**

WARNING: Stove components may have sharp edges or corners; be sure to handle them with care to prevent injury.

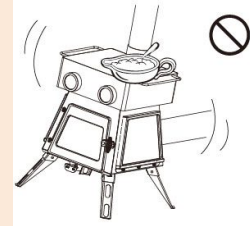
**7**

WARNING: Remember to open the stove door slowly with the external air intake air vent closed, to reduce smoke spillage.



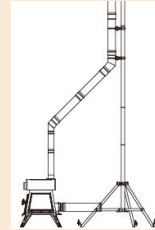
8

WARNING: Try to balance the weight on either side shelf to ensure the stability of the stove. The weight on either side should not exceed 10lbs; the maximum load-bearing weight of both side handles is 40lbs.



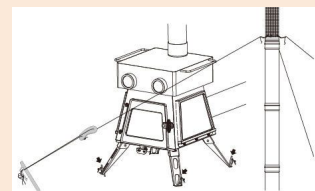
9

WARNING: When using a 45 degree pipe, it is necessary to support and stabilize the chimney system with the Winnerwell® Lantern & Pipe Stand to prevent tilting or collapse in windy conditions. Do not use a 90 degree pipe, as it can restrict smoke exhaust and significantly reduce combustion efficiency.



10

WARNING: When installing the Spark Arrestor, attach guy ropes to the 3 eyelets at its base to keep your flue pipe stable in high winds. Windy conditions may cause the stove pipe to shake and move, which may create an unsafe situation. Consider additional guy ropes on your tent in high winds to maintain stability and ensure the safe use of the stove.



Source: winnerwell.com/pages/manual-marsfire-external-air-stove — converted for offline reference.