



## INSTRUCTIONS FOR USE

### ENDURANCE LAVA CAMPING STOVE WITH **GAS BURNER**

The stove is designed for use by students participating in outdoor education schemes, who will be trained in its safe use by an instructor.

**Important:** Read these instructions carefully so as to familiarise yourself with the product before use. Keep these instructions for further reference.

See also student training video instructions at <https://accesskit.co.uk/resources-lava/>

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## 1. INTRODUCTION

The Endurance Lava camping stove is supplied with either the Endurance Gas Burner or the Methylated Spirits burner attachments. The burners can also be used with the Trangia 25 or 27 series.

## 2. PRODUCT INFORMATION

- 2.1 Name of manufacturer/importer: **Access**  
ACCESS EXPEDITIONS LTD
- 2.2 Address: The Ridge, Icení Way, Haverhill, Suffolk CB9 7FD
- 2.3 Contact Details: Tel: 0800 310 1412; E-mail: [sales@accesskit.co.uk](mailto:sales@accesskit.co.uk) Website: [www.accesskit.co.uk](http://www.accesskit.co.uk)
- 2.4 Appliance name: ENDURANCE LAVA CAMPING STOVE WITH GAS BURNER
- 2.5 Type of Gas: Butane-Propane mixture
- 2.6 Appliance category: Direct pressure
- 2.7 Type of gas canister to be used: butane-propane gas cartridges with threaded valves certified to EN417
- 2.8 This appliance shall be used with the following brands of gas (butane/isobutane/propane) cartridges/canisters: Endurance, GoSystem, Primus, Jetboil, Coleman.
- 2.9 It may be hazardous to attempt to fit other types of gas cartridges or gas cylinders.
- 2.10 Nominal rate: 150 g/h and 2.1 kW
- 2.11 This appliance complies with BS EN 521:2019

## 3. SAFETY INSTRUCTIONS

- 3.1 Use Outdoors Only
- 3.2 The appliance should be used outdoors only and should be at least two metres away from any flammable walls or ceilings (eg in any shelter).
- 3.3 The appliance must be operated on a horizontal (level) surface.
- 3.4 The appliance shall be used away from flammable materials
- 3.5 Never leave the appliance unattended when lit or still hot.
- 3.6 Do not allow pans to boil dry.
- 3.7 Caution: accessible parts may become very hot. Keep young children away from the appliance.
- 3.8 Be careful not to touch hot parts of the appliance during, or after use.
- 3.9 Do not misuse the appliance, or use it for anything for which it has not been designed.
- 3.10 Handle the appliance with care. Do not drop it.
- 3.11 Do not use an appliance which is leaking, damaged or does not operate properly.
- 3.12 Check that seal (between the gas burner and the gas cartridge) is in place and in good condition before connecting to the gas cartridge. Check hoses firmly fixed and no sign of fraying. Check burner holes are not blocked (eg by burnt food)



Gas burner seal

- 3.13 Do not use the appliance if it has damaged or worn seals
- 3.14 It is important that the appliance is well ventilated both for the supply of combustion air and to avoid the dangerous building up of unburnt gases
- 3.15 The gas cartridge must be changed outside (in a well-ventilated location away from any sources of ignition such as naked flames, pilots, electric fires, other stoves in use, and other people.)
- 3.16 If there is a leak on your appliance (smell of gas) take it immediately to an outside well ventilated, flame-free location where the leak may be detected and stopped. If you wish to check for leaks on your appliance, do it outside.
- 3.17 Do not try to detect leaks with a flame, use soapy water (to check for bubbles for example).
- 3.18 Avoid the application of torsional stress on the hose. Do not twist the hose.

## 4. STOVE USE AND ASSEMBLY

- 4.1 The camping stove should be assembled first, in a suitable safe site and location, outside, well away from flammable material, and on level solid ground.
- 4.2 Place the lower windshield on the ground; place upper windshield on top and twist clockwise to secure.
- 4.3 The gas burner should be installed using the instructions below.

## 5. USING THE GAS BURNER

### 5.1 FITTING THE BURNER AND GAS CARTRIDGE:

- 5.1.1 Fit the burner set into the stove by first lowering the hose through the round hole the burner clips into and thread the hose back out through the small archway on our Endurance lower windshield, (or if using with a Trangia, then thread through the smaller hole on side of the lower windshield)
- 5.1.2 Clip the burner into position. The stove should then be carefully checked to ensure correct assembly and stability prior to connecting the gas cartridge as set out in these Instructions
- 5.1.3 Ensure that the gas control knob is turned off (turned fully clockwise).
- 5.1.4 Place the valve squarely on top of the cartridge.
- 5.1.5 Gently screw the cartridge into the valve until it meets the O-ring seal of the valve.
- 5.1.6 Be careful not to fit the cartridge cross-threaded.
- 5.1.7 Screw hand tight only. Do not overtighten or you will damage the cartridge valve.
- 5.1.8 Ensure that a complete gas seal has been made.
- 5.1.9 If you have to check the connection is sound, do this outdoors. Do not check for leaks with a naked flame. Use warm soapy water only, applied to the joints and connections of the appliance. Any leakage will show up as bubbles around the leakage area. If you are in doubt or you can hear or smell gas, do not attempt to light the appliance. Unscrew the cartridge and contact the manufacturer as below details.
- 5.1.10 Make sure the burner is screwed down tightly. The stove is now ready for use.

### 5.2 LIGHTING THE GAS BURNER (How to light the appliance):

- 5.2.1 Always operate the appliance on firm level surface and ensure that the hose is fully extended.
- 5.2.2 Keep the cartridge away from the heat of the stove unit.
- 5.2.3 Avoid twisting the flexible hose.
- 5.2.4 Before lighting the appliance, removing the stove upper windshield can enable better access to the burner for safer lighting except in very strong wind.
- 5.2.5 Turn the knob anticlockwise and light the burner immediately.
- 5.2.6 Turn anti-clockwise to increase the flame, or clockwise to reduce the flame or shut down.
- 5.2.7 Flaring may occur if the appliance has not fully warmed, or if it is moved carelessly. After lighting, operate the appliance upright and keep the gas cartridge upright and do not move it around. The appliance incorporates a coil system which pre-heats the gas and vaporizes it. This shortens the warm-up period, safeguards against flaring and improves performance and safety.
- 5.2.8 Always ensure the gas canister is upright and not laid on its side. This ensures liquid fuel does not escape into the hose.

### 5.3 COOKING:

- 5.3.1 Adjust the pan clips (down for smaller pots and kettle, or up for frying pan)
- 5.3.2 Use the orange handle to move the pots and then separate the handle to keep it cool. (Use the handle with the logo side up, release lower part of handle over edge of pan and grip to lift).

- 5.3.3 Adjust the size of the flame by turning the control knob. It is marked + and - .

### 5.4 TURNING OFF:

- 5.4.1 Turn off by turning the valve clockwise.
- 5.4.2 After use, ensure that the valve is fully shut (control knob turned fully clock- wise).
- 5.4.3 There may be a slight delay between shutting the valve and the burner extinguishing

### 5.5 CHANGING THE CARTRIDGE:

- 5.5.1 Shut the valve fully.
- 5.5.2 Check that burner is extinguished before disconnecting the gas cartridge
- 5.5.3 Change the gas cartridge outside and away from people
- 5.5.4 Be sure no other flame or heat source is nearby.
- 5.5.5 Unscrew the cartridge from the valve and replace the appliance sealing O-ring if it is cracked or worn.
- 5.5.6 Avoid cross threading by putting the valve onto the new cartridge screw thread squarely and screw on hand tight only, as described in section 4.

## 6. AFTER USE & STORAGE

- 6.1 Wait till the stove has completely cooled down before removing and cleaning the burner and stove as needed.
- 6.2 Take care to ensure the burners are clean to avoid any restriction to air flow.
- 6.3 Make sure the ground under where the stove was is cold and there is no fire risk or risk of injuring other persons.
- 6.4 Always unscrew the cartridge from the appliance when not in use.
- 6.5 Store cartridges in a safe dry place well away from sources of heat or ignition.

## 7. USE WITH TRANGIA STOVES

The Burners may also be used with the Trangia 25 or 27 series but is not intended for use with any other manufacturer. Details of fitting the gas burner to the Trangia are included in 5.1.1

## 8. MAINTENANCE and REPAIRS

- 8.1 Check burner holes are not blocked (eg by burnt food) and there is no damage to any parts.
- 8.2 On the Gas Burner always ensure that the O-ring sealing is in place and in good condition. Check this each time prior to fitting the appliance. Replace the O-ring if it is damaged or worn. New sealing O-rings are available from Access. Check hoses are firmly fixed and there is no sign of fraying.
- 8.3 If you cannot rectify any fault by following these instructions, please contact Access using details below:

Access Expeditions Ltd | Tel: 0800 310 1412  
sales@accesskit.co.uk | www.accesskit.co.uk