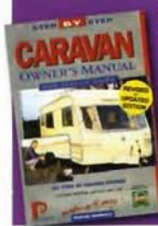




## Lindsay Porter



One of the UK's leading motoring and caravanning technical writers, Lindsay Porter started caravanning with his wife Shan some 30 years ago. He has written and published Caravan, Trailer and Motorhome manuals. Visit [PorterPublishing.com](http://PorterPublishing.com)

# Fit a blown-air space heater

Lindsay fits a gas-powered Propex Heatsource blown-air space heater to his small Freedom caravan

### THE JOB

The Propex Heatsource is a compact LPG-powered unit that we found fitted easily inside a suitable bed box.

### WHY DO THIS JOB?

The Propex Heatsource is light in weight and doesn't take up much space. If necessary, it could even make a useful supplementary heater for larger caravans. Mains electricity is not required to run this

heater but do make sure that you get help from an expert when dealing with the 12v wiring and gas connections. Everything must be made and checked by a qualified specialist that can usually be sourced from your local caravan workshop or dealer.

### HOW MUCH WILL IT COST?

The unit is available from Propex Heatsource distributors CAK Tanks, and it costs £404.48 including VAT.

## How to fit a space heater



**1** A template supplied shows you where to drill two holes for the inlet and exhaust pipes. It's essential to avoid pipes, cables and chassis rails beneath the floor.



**2** The stainless steel hoses supplied were pushed through the holes in the floor and fixed to the spigots on the base of the unit, using the hose clips that were also supplied.



**3** It's essential that a gas drop vent is fitted to the floor wherever a gas appliance is sited. These vents are also available from CAK Tanks, in various lengths to suit your van.



**6** Back inside the caravan, holes were drilled into which vents could be fitted: one or two outlet vents and one for the inlet hose. A circular hole cutter does a neater job than a jigsaw.



**7** The Truma-type vents we used were fixed in place. Each one consists of two parts and afterwards the hose was simply pushed in. It self-grips on the grooves inside the vent.



**8** There was now an extra gas appliance to feed, so our gas fitter added an extra tap, once again supplied by CAK Tanks. It was added alongside the two existing taps in situ.





**4** We raised the Propex Heatsource on strips of plywood to allow for the thickness of the pipe clips. Larger holes in the caravan floor would have been the alternative.



**5** The exhaust pipe must angle backwards from the direction of travel and exhaust at the edge of the caravan, keeping gases away from any openings leading to the interior.



**9** Although the 12v electrical connections need to be made by a qualified electrician, the heater-end of the cables are already fitted with plugs with matching sockets inside the unit.



**10** The thermostat was fitted in the living area and the wires connected. Fixing screws are concealed, with these buttons and the adjuster knob fitted last of all.

### Lindsay says...

The Propex Heatsource provides almost instant heat and is perfect for those who like to camp away from mains electricity. Ignition, fan and controls are all operated by 12 volts.

The only downside is that there is some fan noise, just as there is with any fan heater.

If you have an inadequately heated end bedroom in a large caravan, the Propex Heatsource could provide you with a solution.

Even if you fit all of the trunking, locate the thermostat and drill holes for the inlet and exhaust hoses, all electrical and LPG-related connections must be made by qualified personnel.

### Useful contacts

**Propex Heatsource Limited**  
Unit 5, Second Avenue Business Park, Millbrook, Southampton SO15 0LP  
t 02380 528555  
w propexheatsource.co.uk

**CAK Tanks Ltd**  
10 Princes Drive, Kenilworth, Warks, CV8 2FD  
t 0844 414 2324  
w caktanks.co.uk