

# Carver

## TRUMATIC

# 3000 & 3000 AUTO

## CARAVAN HEATER

## USER'S INSTRUCTIONS

### CAUTIONS

**At** least one side of the underfloor space of the caravan must remain open at all times so there is a continual free entry of air to the underfloor air intake. Any build up of snow etc. around the caravan must be cleared. Air is required to maintain good combustion and the efficiency of the heater.

**The heater** MUST NOT be used if the flue has been damaged. The products of combustion pass through the flue located inside the wardrobe to the roof cowl therefore any damage to the flue could affect the safety of the occupants. Do not place objects that are likely to cause damage to the flue against it.

**Avoid** hanging wet clothes etc. against the flue inside the wardrobe.

**Curtains** must not hang within 150mm of the sides of the heater or within 300mm above the top of the outlet grille.

**Always** wait 3 minutes before attempting to relight the heater after switching off or the heater going to fail-safe shut down.

**DO NOT** obstruct the gap at the bottom of the heater or the outlet grille slots.

**Heaters** (as with all other gas appliances) should be switched off and the gas cylinders turned off when the caravan is in motion.

**A guard** fitted around the heater is recommended where children, the elderly or the infirm are present.

**This heater** does not contain any asbestos or asbestos related products.

**Annual Service** As with all gas appliances it is recommended that this heater be serviced annually by a Carver approved dealer only.

If you have any problems with this heater seek the advice of your nearest Carver approved dealer.

### GENERAL DISCRIPTION

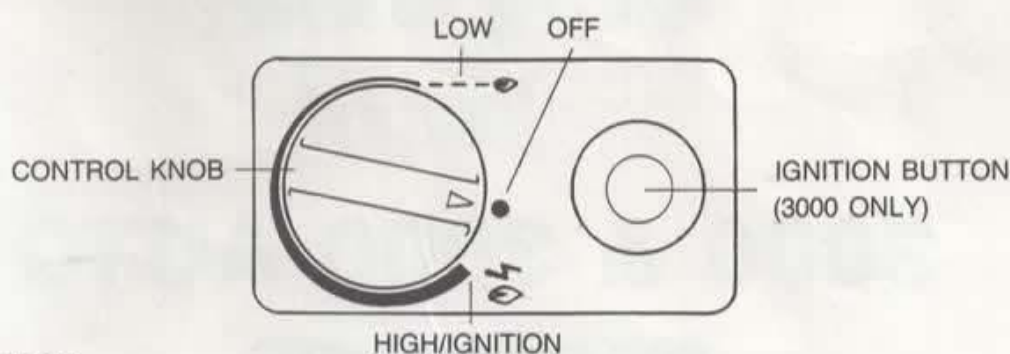
Carver Trumatic 3000 and 3000 Auto heaters are based on a well proven and extremely efficient heat exchanger consisting of a pair of internally and externally finned aluminium die castings.

The gas burner is situated at the bottom of a vertical passage which permits complete combustion of the gas before meeting the exchanger surfaces. The combustion products travel along the top horizontal section and then downwards through further galleries while transferring their heat to the caravan. They are kept moving by the thermal drive of the rising column of hot gases from the flame.

The flue outlet of the heater is at the bottom of the heat exchanger thus ensuring that the majority of the heat is extracted from the combustion path is completely sealed from the living space, all the air for combustion being drawn in from beneath the caravan through the air intake and the products of combustion discharged through an insulated stainless steel flue pipe to a roof mounted terminal.

The heater is controlled by a knob mounted on the top of the heater case which operates a thermostatic gas control valve. Ignition of the Carver 3000 is by a manually operated piezo spark generator and the Carver 3000 Auto is by an electronic reignition system powered by two AA size batteries and operated by a micro switch mounted on the thermostatic gas control.

## TO LIGHT AND ADJUST THE HEATER



### CARVER 3000

#### 1. BEFORE LIGHTING THE HEATER

- (a) Ensure that the gas supply is turned on.

#### 2. LIGHTING THE HEATER

- (a) Turn the Gas Control Knob fully anti-clockwise and then press down. Immediately press the ignition button several times.
- (b) Check through the viewing window on the lower half of the case that the pilot burner is alight.
- (c) After the pilot has lit continue to hold the Gas Control Knob down for approximately 30 seconds. This is to operate the flame failure device within the gas control.
- (d) On releasing the Gas Control Knob the pilot burner will remain alight and the main burner should then ignite.
- (e) If the Pilot and Main burner both fail to remain alight or if the flames of both burners are extinguished due to abnormal wind conditions the heater will shut down to a safe condition. After shut down always WAIT 3 MINUTES before attempting to relight the heater.

#### 3. TO ADJUST THE ROOM TEMPERATURE

Turn the Gas Control Knob to the setting that gives the required comfort level. The main burner will 'cycle' on and off automatically as required by the thermostat to maintain to the set temperature but the pilot flame will always remain alight.

### CARVER 3000 AUTO

#### 1. BEFORE LIGHTING THE HEATER

- (a) Ensure that the Gas supply is turned on and that the batteries have been fitted into the ignitor unit.

#### 2. LIGHTING THE HEATER

- (a) Turn the Gas Control Knob fully anti-clockwise and then press down.
- (b) As the ignitor operates a 'ticking' noise may be heard.
- (c) Check through the viewing window on the lower half of the case that the pilot burner is alight.
- (d) After the pilot has lit continue to hold the Gas Control Knob down for approximately 30 seconds. This is to operate the flame failure device within the gas control.
- (e) On releasing the Gas Control Knob the pilot burner will remain alight and the main burner should then ignite.
- (f) If the Pilot and main burner fail to remain alight or if the flame is extinguished due to abnormal wind conditions the heater will shut down to a safe condition. After shut down always WAIT 3 MINUTES before attempting to relight the heater.

#### 3. TO ADJUST THE ROOM TEMPERATURE

Turn the Gas Control Knob to the setting that gives the required comfort level. The main burner will 'cycle' on and off automatically as required by the thermostat to maintain to the set temperature but the pilot flame will always remain alight.

**NOTE 1:-** The ignition unit fitted to this heater is an automatic relight system so that if the pilot burner flame is extinguished the ignitor unit will automatically attempt to relight it. After approximately 20 seconds the flame failure device will operate and close down the gas control to a safe condition. The ignitor unit will continue to operate until it is manually turned off. When this occurs check the system and WAIT 3 MINUTES before attempting to relight.

**NOTE 2:-** To change the batteries .... Locate and remove the battery holder from the ignition unit mounted on the base of the appliance. Discard the old batteries and fit the new ones according to the polarity diagram inside the holder. Refit the holder into the ignition unit.

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