



# Travel - Installation Guide

# Cinderella® North America

**For best results, we recommend that you seek the services of a professional installer; this will guarantee that the installation is performed with the utmost care and expertise, ensuring optimal performance. Propane and electrical should always be connected and tested by certified installer.**

## Retrofitting

Cinderella Travel can be retrofitted into existing RV's, boats, tiny homes, skoolies, medical vans etc. This may require replacing old toilets, removing black water tanks, ensuring access to 12V control power and propane in addition to ensuring adequate air supply to the toilet. An exhaust pipe that extends beyond the roof is also required.



## Planning

### Travel Box Contents

- 1 x Travel Toilet
- 1 x Box of 100 Liners
- 1 x Docking Frame
- 1 x Control Panel
- 1 x Winter Extension
- 1 x Chimney Top
- 6 x Mounting Screws
- 1 x Air Inlet Cassette
- 1 x Roof Flange



### Tools Needed

- 83mm (3 17/32") Hole Saw
- Level
- Roof Sealant
- Galvanized Screws
- Power Drill/Screwdriver
- Dremel
- Box Cutter
- Measuring Tape
- RTV Silicone Sealant

**The toilet is delivered separate from the necessary components and pipes for installation. An installation package that contains pipes and components for an optimal installation is required.**

### Box Contents for Installation Kit

- 1 x Inlet Flange
- 1 x Insulation sleeve for exhaust hose
- 1 x Inlet hose
- 1 x Exhaust hose
- 2 x Inlet air hose clamps
- 2 x Exhaust hose clamps
- 1 x Power Cable Connector

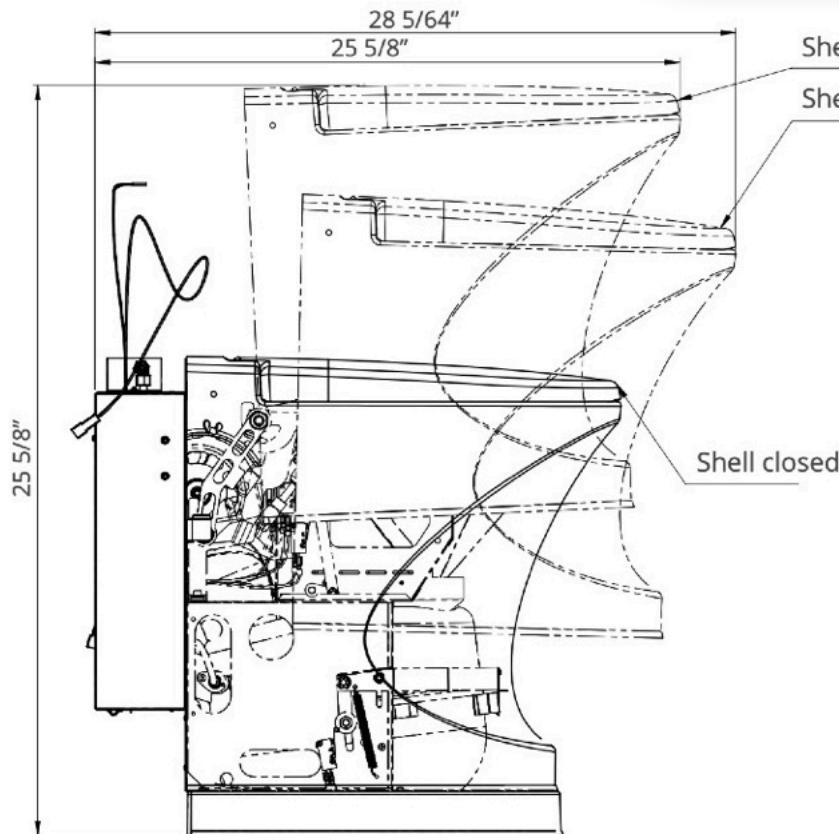


## Toilet Placement

The ash container insert must be emptied regularly. This will require at least 40cm / 15" of space in front of the toilet.

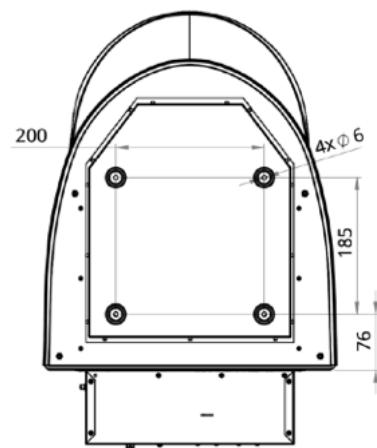
There must be at least 5cm / 2" clearance on each side of the toilet.

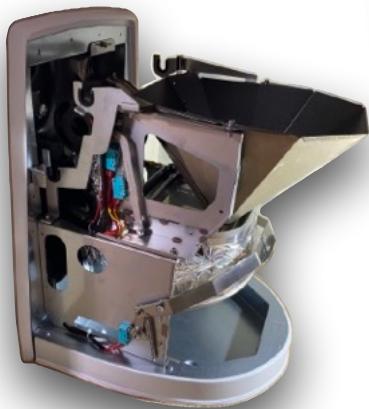
The recommended wall-panel thickness if retrofitting is 8mm / 5/16".



There must be access to the top of the Build-In module. This allows for annual inspection and leak testing of the gas connection.

The toilet has four fixing points to the floor. Remove ash container for access. If the bathroom has floor heating, take precautions when fixing the toilet to the floor.





The docking frame is made for mounting behind the steel plate on the toilet.



### Build-in-Box Kit (Optional)

Cinderella's Build-in-Box Kit for Travel is designed to ease the installation of a Travel unit and better accommodate various installation locations. It is an alternative to installing the appliance into walls or cabinets.

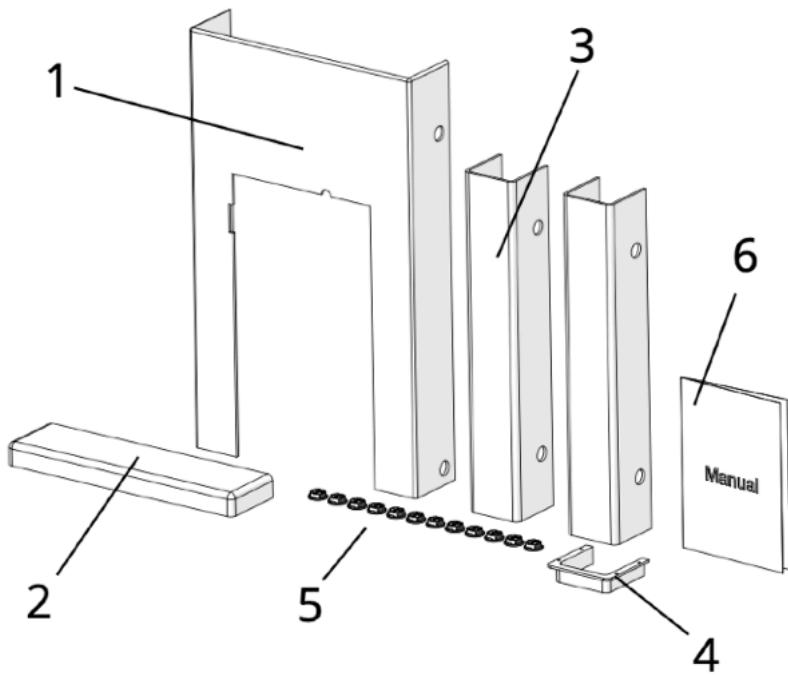


### Box Contents

- (1) 1 x Frame Box
- (2) 1 x Frame Top
- (3) 2 x Pipe Cover
- (4) 1 x Pipe Bracket
- (5) 12 x Screw Plugs and caps
- (6) 1 x Installation Manual

### Tools Needed

- 16 x Screws
- Screwdriver
- Hole saw/bore 22mm
- Handsaw or electric saw (optional)
- Hole saw/bore 26mm (optional)



## Ventilation Installation

The exhaust hose and insulation are fed from roof feed-through flange to the toilet and secured at each end with a powerful hose clamp that is included in the installation kit. On top of the roof feed-through flange, a chimney cap will be mounted.



The roof feed-through flange must be placed in a flat area of the roof, to ensure proper sealing. Find a suitable place where the flange makes good contact with the roof and make a hole in the roof with an 83 mm (3 17/32") hole saw. Avoid electrical cables.

If there are larger objects within one meter of chimney cap, or if there is snow on the roof that can prevent air flow, an extension must be mounted between the flange and the chimney cap.



Exhaust hose should then be mounted to toilet and feed-through flange with the supplied hose clamps. Use enough sealant between flange and roof to prevent leaks.



Take necessary precautions to avoid galvanic corrosions.

Fasten roof feed-through flange with appropriate stainless-steel screws.



Do not compress the insulation sleeve.

No horizontal stretches beyond 60 cm (2 feet).

No 90° bends allowed.



Add RTV sealant (or similar) at the toilet's exhaust connections to avoid leakage.



## Intake

The inlet air pipe is flexible with a diameter of 80 mm.

Drill a hole to a point where the toilet has access to fresh air using an 83mm hole saw.

The best way to install inlet air in an RV is straight down from the appliance.

Fasten the metal air inlet cassette delivered with the appliance to the bottom of the Build-In module and fasten the hose using the hose clamps provided.

If a wheel well or other obstructions prevent the hose from going straight down, make sure the hose is routed with gentle bends.

Maximum hose length: 47" (120 cm)

Use the end cap delivered in the Travel installation kit on the end of the pipe.

If you require alternate solutions for your application, please reach out to your local authorized Cinderella Dealer.

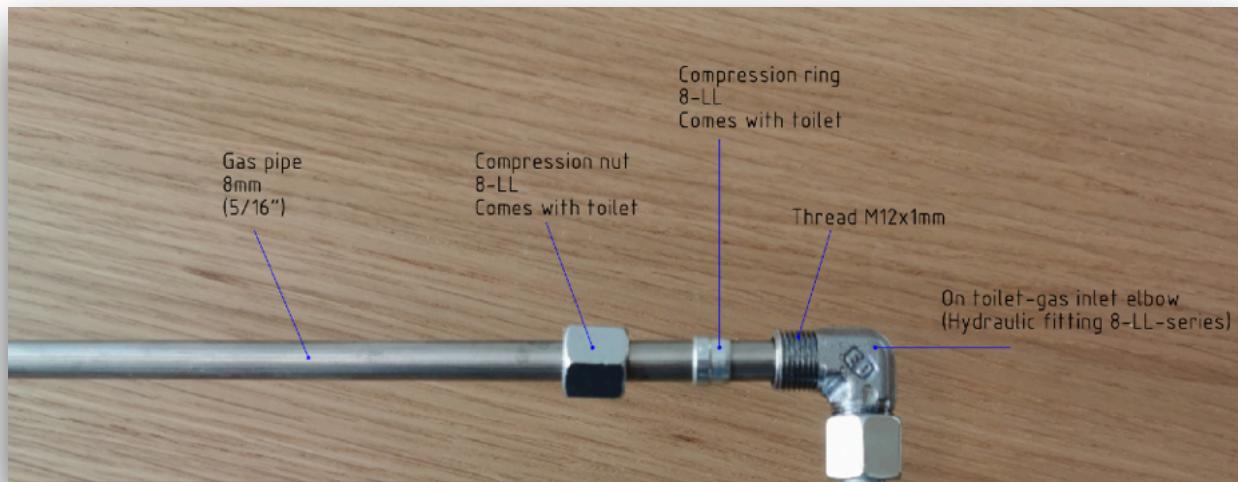


**For best results, we recommend that you seek the services of a professional installer; this will guarantee that the installation is performed with the utmost care and expertise, ensuring optimal performance. Propane and electrical should always be connected and tested by certified installer.**

## Gas Installation

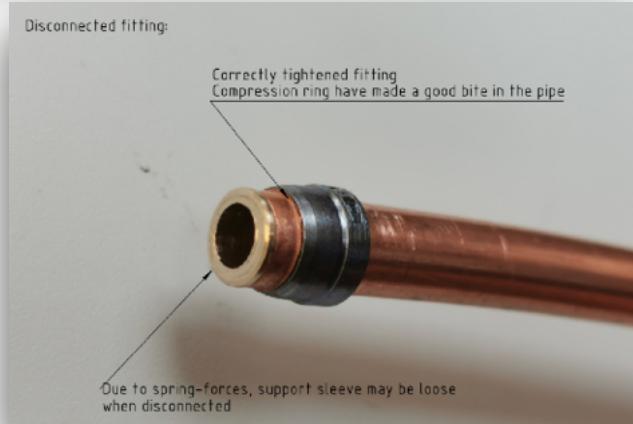
**Please note that a sticker is delivered with the toilet for marking of the gas shut-off valve and this sticker is mandatory in some countries. Be sure to research the local regulations where you live and adhere to these before installation. If you will frequent areas with low-quality propane, a gas filter should be considered.**

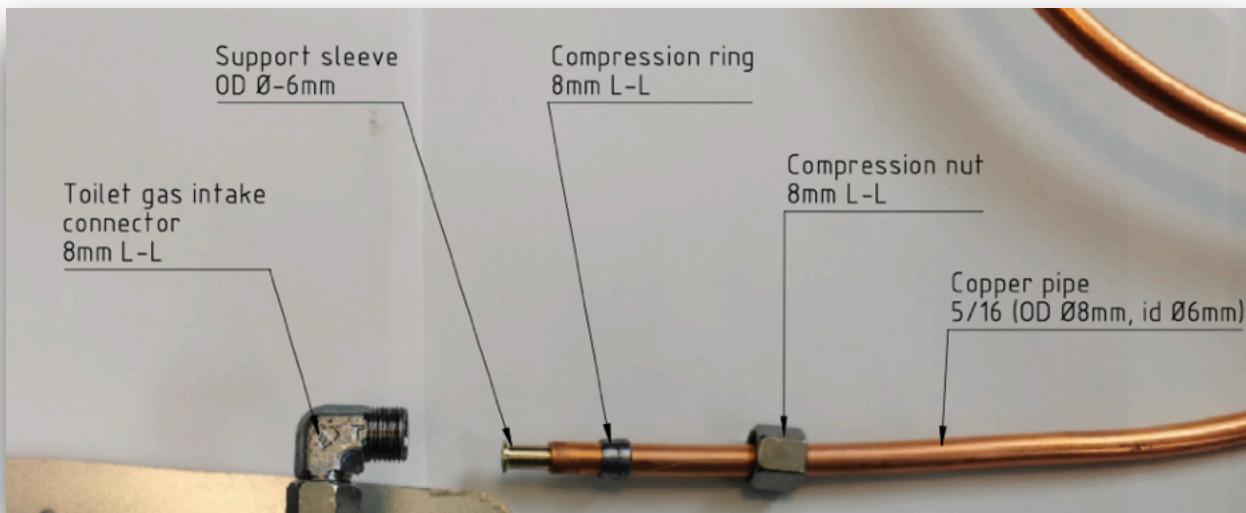
Propane is supplied through an 8mm / 5/16" pipe directly to the toilet with an angled compression fitting at the top of the Build-n module. *\*Replacing this fitting will void warranty.*



A brass support sleeve is available for purchase if required.

(Part# 501322)





## Gas Installation - Continued

A separate gas shut-off valve is required when connecting to an existing gas supply line.

Access to the gas lines through an inspection hatch are required for annual inspection and leak testing of the gas connections.

If you require more information or assistance with your installation, please contact your local Authorized Cinderella Dealer or Certified Propane Installer.

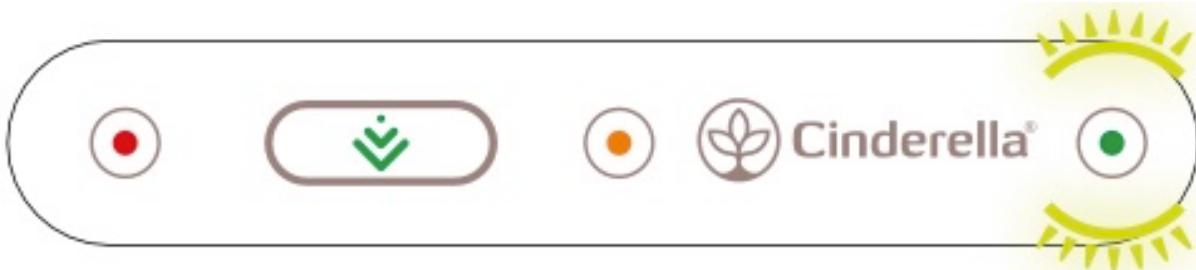
## Control Panel



Locate the desired placement of the control panel. Create an opening for the signal cable and route the cable out here. The signal cable is a flat cable with approx. 25/32" (20 mm) width. Connect the signal cable together with the control cable and fasten the control panel.



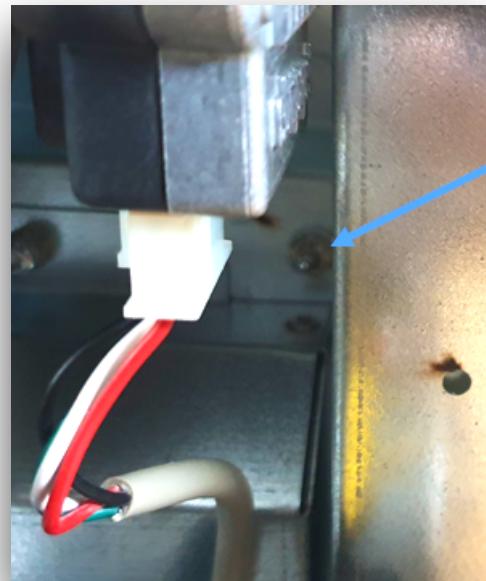
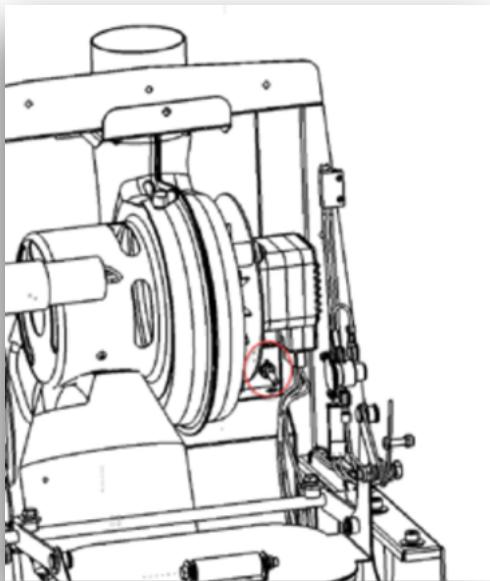
**The signal cable can be connected in two ways, but only one way is correct.** If you get a red light, and not a green, reconnect signal cable the opposite way.



The signal cable is approx. 60 in. (150 cm) long.

## Final Installation and Testing

- Open main gas supply valve from gas container
- Check for gas leakages on supply line
- Turn on main switch located inside toilet



- Open and close toilet lid to activate the fan

**Push the "Start"**



- Wait 2-3 minutes for continuous incineration
- Stop incineration by pressing incineration button until a long beep is heard (approx. 8 sec)
- Close main gas supply valve from propane tank.

If you do not have the control panel in place yet, you can still test the toilet by connecting the control panel to the signal cable.

# TECHNICAL INFORMATION

## DIMENSIONS OF THE TOILET

Weight	44 lbs (20 kg)
Height	21 17/64" (540 mm)
Seat height	19 19/64" (490 mm)
Width	15 23/64" (390 mm)
Depth	23 15/64" (590 mm)
Capacity	3-4 visits per hour
Max. depth operating shell elevator	24 9/64" (613 mm) + 3/15/16" (100 mm) Build-in Module
Max. height operating shell elevator	33 17/64" (845 mm)

## TECHNICAL SPECIFICATIONS, ELECTRIC

Supply voltage	11-14.5 VDC
Red cable	Positive
Supply fuse	10A
Peak load	4 A
Power consumption (incineration)	1.3 A
Dimensional supply under 10 m	16 AWG (1.5 mm <sup>2</sup> )
Dimensional supply 10 - 17 m	14 AWG (2.5 mm <sup>2</sup> )

## TECHNICAL SPECIFICATIONS

Inner diameter exhaust hose	2 23/64" (60 mm)
Insulation thickness	1/2" (13 mm), approx. 4" (102 mm.) diameter
Max temperature exhaust gases	244 ° F (118 ° C)
Max temperature insulation exterior	131 ° F (55 ° C)
Hole saw diameter for Roof feed-through flange	3 17/64" (83 mm)
Maximum length of exhaust hose	100" (250 cm)
Max temperature Build-in module	165 ° F (74 ° C) at 113 ° F ( 45 ° C) inlet temperature

## TECHNICAL SPECIFICATIONS, GAS SUPPLY

Gas supply	Ø 8 mm compression coupling
Gas supply connector material	Brass
Gas type	Propane or LPG
Gas pressure	12 in. WC (30 mbar)

## TECHNICAL SPECIFICATIONS, AIR INLET

Diameter inlet air hose	2 61/64" (75 mm)
Maximum length inlet air hose	47" (120 cm)
Minimum air grating size	50 cm <sup>2</sup> light opening
Air consumption during incineration	52 m <sup>3</sup> /h

**CLEANING THE CATALYTIC CONVERTER**

To be carried out if you suspect poor incineration or a cycle of 30 days' use has been completed.

1. Wait for the toilet to cool down and the fan to stop.
2. Pull the toilet shell out from the rear wall. The shell will automatically move out and up with the help of a inside lifting mechanism and remain in the service position.
3. Lift the shell completely off the lifting mechanism (Illustration 9).
4. Loosen the screw on the fan cover (Illustration 10).
5. Remove the fan cover. Loosen it from the retaining screw by turning it slightly backwards. Then lift it out (Illustration 11).
6. Remove the catalyst pipe with the catalytic converter (Illustration 12).
7. Rinse the catalytic converter in warm water (Illustration 13).
8. Reassemble the parts in reverse order. Make sure that the catalyst pipe is put in the same position as it was before disassembly.
9. Place the toilet chamber back onto the lifting mechanism.
10. Run a dry incineration cycle (by pressing the start button) to dry out the catalytic converter.

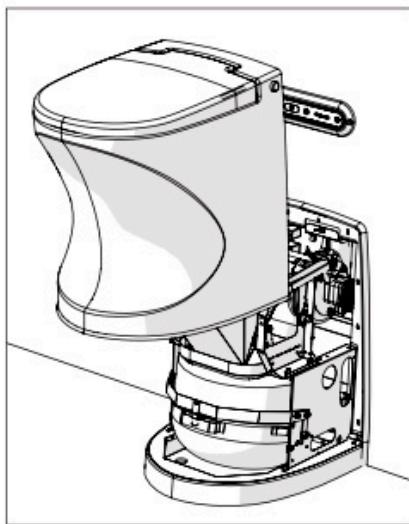


Illustration 9

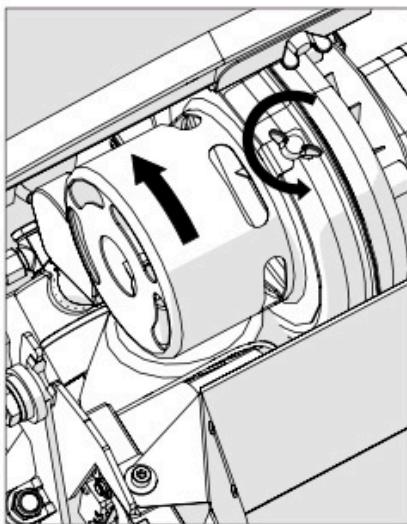


Illustration 10

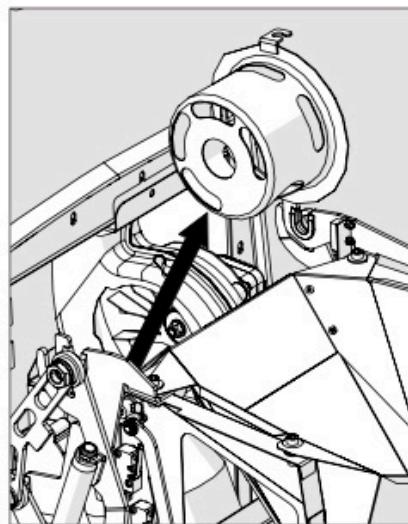


Illustration 11

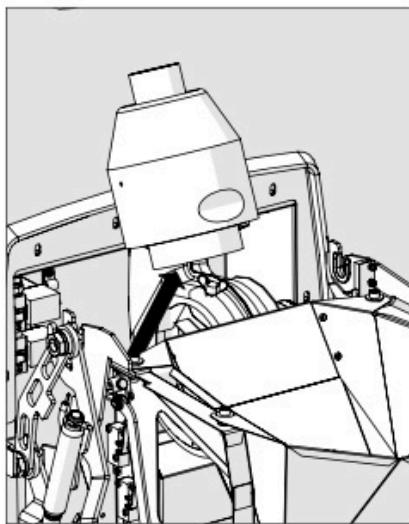


Illustration 12

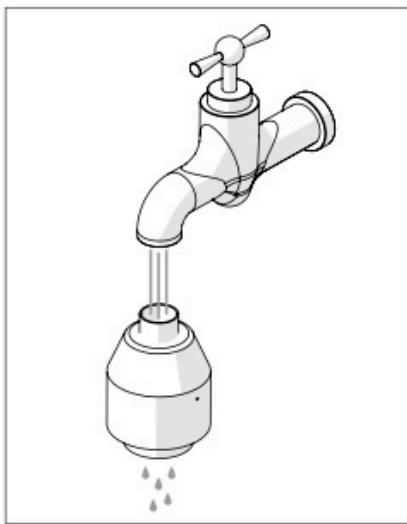


Illustration 13

# TROUBLESHOOTING

Error	● Red light	● Yellow light	● Green light	Sound signal	Remedy
Problem with exhaust fan.	Flashing		Flashing	10 beeps	<ol style="list-style-type: none"> <li>1. Reset the toilet.</li> <li>2. Open and close the toilet lid.</li> <li>3. Start incineration.</li> <li>4. If error recurs, contact dealer/service.</li> </ol>
Problem with gas fan.	Flashing	Flashing	Flashing	10 beeps	<ol style="list-style-type: none"> <li>1. Reset the toilet.</li> <li>2. Open and close the toilet lid.</li> <li>3. Start incineration.</li> <li>4. If error recurs, contact dealer/service.</li> </ol>
Problem with gas burner after 3 attempts to ignite it.		Flashing		Continuous beeps	<ol style="list-style-type: none"> <li>1. Check that the gas is connected.</li> <li>2. Connect it if necessary and reset the toilet.</li> <li>3. Reset the thermal switch if needed.</li> <li>4. Open and close the toilet lid.</li> <li>5. Start incineration.</li> <li>6. If error recurs, contact dealer/service.</li> </ol>
Hatch is jammed.	Flashing			10 beeps	<p><b>When toilet is warm:</b></p> <ol style="list-style-type: none"> <li>1. Press the start button multiple times without inserting a new bowl liner.</li> <li>2. Open the lid after each attempt. If this does not work, wait for the toilet to cool down (fan has stopped).</li> </ol> <p><b>When toilet is cold:</b></p> <ol style="list-style-type: none"> <li>1. Open the toilet lid and press start. The lid opens.</li> <li>2. Remove the cause of the blockage.</li> </ol>
Ash container is not in correct position.	Flashing	Flashing		3 beeps	Place ash container into correct position.
Error in the temperature sensor		Flashing	Flashing	Continuous	Try to reset the toilet. If this does not work, contact workshop or dealer.
Thermal switch released.		Flashing		Continuous	Reset thermal switch (see separate section).
The ash container is full. The toilet is disabled for use.	Illuminated	Illuminated		Continuous	Empty and clean ash container.
No lights, no sound.					Check that the caravan's/motor home's main switch is on. Check that 12 V voltage is connected.
Burnt smell outside caravan/motor home.					Clean catalytic converter. Ensure that the exhaust pipe is open.
Low voltage < 11.0 V.			Flashing		Resolve the error on the 12 V supply from the car/caravan.
Minimum allowed voltage < 10.5 V. The gas supply is shut off.			Flashing (after 1.5 min)	10 beeps, recurrent	Resolve the error on the 12 V supply from the motor home/caravan.
Critically low voltage. Immediate shut-down.				10 beeps	Resolve the error on the 12 V supply from the motor home/caravan.

**CERTIFICATION AND APPROVALS VALID FOR NORTH AMERICA**

**This appliance has been tested and certified by UL under the standards ANSI Z21.61 Gas-fired toilets, Edition 2 01/01/1983 & CSA CGA 5.2, Gas-fired waterless toilets, 12/1971. The installation also has to comply with state and local codes, including the following standards as applicable:**

**USA: ANSI/NFPA70, National Electric code (NEC) • ANSI/NFPA 1192, Recreational Vehicle Code • Title 24 CFR, Part 3280, Manufactured Home Construction And Safety Standard • National Fuel Gas Code, ANSI Z223.1/NFPA 54**

**CANADA: CSA C22.1, Parts 1 & 2, Canadian Electrical Code • CSA Z240 RV Series, Recreational Vehicles • CSA Z240.4, Gas-Equipped Recreational Vehicles and Mobile Housing • CSA B149.1, Natural Gas and Propane Installation Code CERTIFICATION**

[Learn more about UL here](#)

