

## **SCNZ UK Caravan Conversion kit:**

### **Contents:**

#### Adaptor

1 x 2-into-1 28mm adaptor

#### Ball valve assembly:

1 x 28mm push fit to 25mm BSP adaptor

1 x 25mm ball valve

1 x 25mm Cam lock male fitting

1 c 25mm cam lock dust cap

#### Hose set:

2 x 25mm cam lock female hosetail

1 x 25mm waste hose

2 x hose clips

#### Vent pipe:

1 x 15mm BSP male straight coupling

1 x 15mm Butyl pipe

#### Tank fitting for waste inlet:

1 x 25mm cam lock male fitting

1 x 25mm BSP lock nut

2 x 25mm poly washers

#### Tank fitting for vent kit:

1 x 15mm BSP nipple

1 x 15mm BSP cap

1 x 15mm BSP lock nut

2 x 15mm poly washers

#### OPTIONAL

3 x 28mm push fit waste traps



### **Installation:**

#### Waste traps:

Waste traps must be fitted as close as possible to each sanitary fitting (sink/basin/shower), preferably less than 1m.

Waste traps must be mounted horizontally with the bowl pointed down

To install waste traps, cut the horizontal grey 28mm rigid pipes under the van to remove approx. 4-5cm with a pipe cutter or hacksaw, and squeeze apart, then install by squeezing the pipes firmly into the waste trap on each side.

Waste traps are fitted with removable bowls for cleaning, these can be easily twisted off to clear any food waste etc, that may be blocking pipes.

#### Ball valve assembly

Most UK caravans have two rigid 28mm outlets for grey water, cut these approximately 25-30cm back behind the side wall of the van, install the 2 in to 1 adaptor on to these shortened pipes.

If your van has flexible 32mm convolute tubing to the outlets, use the existing convolute adaptors to connect to the 2-1 adaptor provided.

The ball valve assembly is loosely screwed together in the box to aid identification. When assembling, unscrew and remove plastic bag from ball valve. Apply PTFE plumbing tape on the threads of the 28mm adaptor and cam male cam lock fitting and screw tightly together.

The 2-1 adaptor fits to the grey tank adaptor on the ball valve. Mount the ball valve so the handle is accessible. For stability, you may require a saddle clip to fix the ball valve assembly to the van.

Your dust cap to cover the cam lock fitting on the end of the waste traps has spring clips to secure it.

### Hose set

Camlock hosetails need to be fixed to the hose by tightening the hose clips around the tube ends. The hose can be shortened if required. The hose should not be so long as to sag and hold water which may spill when disconnected.

### Tank fittings

There are two tank fittings provided, the larger is for the waste pipe, and the smaller for the vent. Fittings must be mounted on the top or as close as possible to the top of the tank to maximise capacity. Often it is most practical to fit these to caps on the tank. Both fittings are provided with washers and a lock nut - as the lock nut must be fitted and tightened from the inside of the tank, if drilling the tank skin, do so close enough to a cap opening that you can reach through to fit and hold the lock nut to tighten.

The waste fitting is a 25mm BSP thread cam lock fitting and will require a 32mm hole saw to drill. The vent fitting is a 15mm BSP thread and will require a 20mm hole. Secure both with a washer on each side and lock nut. Both fittings are provided with caps for spill proof transportation of the tank.

The waste tank vent is made of 15mm rigid pipe which is designed to support itself to extend above the flood line of the vehicle. The flood line is the height of the lowest sanitary fitting overflow, usually the top of the shower tray, or if no shower is fitted, the top of the lowest sink.

### Setting up camp

When you arrive at your camp, position your tank near the vehicle waste outlet, remove the tank and valve caps and fit the waste tank vent by screwing into the vent fitting. Fit the waste hose to the tank and to the vehicle outlet by squeezing the cam lock spring clips firmly.

Once the tank is connected, turn the ball valve handle so it is parallel with the valve body to open.

When packing up camp, turn off the ball valve, remove hoses and replace caps and clips for transport.