

Product manual:



Hydrojet Flushing Kit With Stainless Steel Bowl.

Shades-technics.com

731210- Complete Assembly

679510 – Bowl Assembly

702060 – Pump Assembly



Page Number	Description
1	Front Page
2	Contents
3	Cleaning and Hygiene
4	Cleaning and Hygiene
5	Bowl Assembly
6	Bowl Assembly- Components
7	Pump Assembly
8	Pump Assembly- Components
9	Fault Finding
10	Service Instructions
11	Service Instructions

Toilet Bowl Cleaning

To protect the finish of the toilet bowl do not use abrasives of any kind. To clean the bowl use a mild anti-bacterial detergent and suitable brush.

Toilet Roll

It is recommended that a high biodegradable paper is used at all times (**Cat no: 800102- 200 sheet roll x 40**). (**Cat no: 800103-320 sheet X 36**) available from Shades Technics.

Domestic grade toilet paper is not recommended as this can block the system.

Maintenance

Daily Routine

- Prior to use, the holding tank must be charged with a suitable additive to sanitise the effluent.
- The recommended product is **Shades Super Sani RC (Catalogue No: 800022)**. A disinfecting and deodorising sachet with a water soluble membrane, which is available in various sizes to treat a range of tank capacities. For optimum performance it is recommended that soil tanks are emptied and charged daily.
To apply:
 1. Ensure the holding tank is empty.
 2. Check the tank evacuation valve is closed
 3. Check the WC supply tank is full.
 4. Switch on power to the cubicle
 5. Press the flush button to open the slide and drop the complete sachet into the holding tank.

Caution

This product is only suitable for use in the soil tank and must be used whole.

Do not handle with wet hands as the membrane is water soluble.

- The daily addition of a couple of drops of mild detergent into water resting in the toilet bowl will lubricate the slider and protect the seal.

Weekly Routine

- Check cubicle general functions and inspect the slider valve seal. Check flush operation, bowl coverage and slide action. Fast opening and slow closing with a layer of water remaining in the bowl after closing.
- Flush out soil tank with clean water.

Quartely Routine

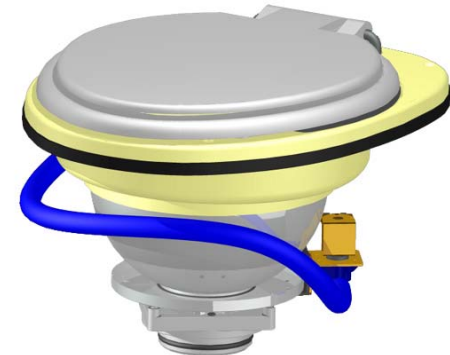
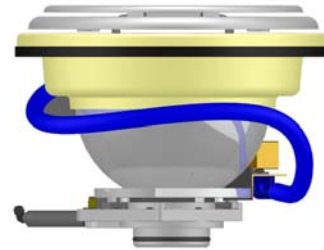
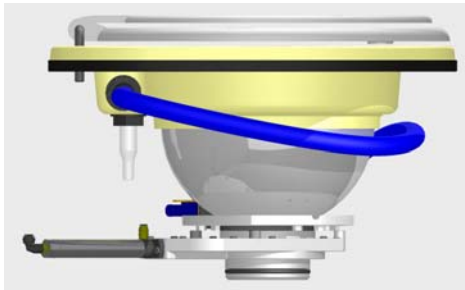
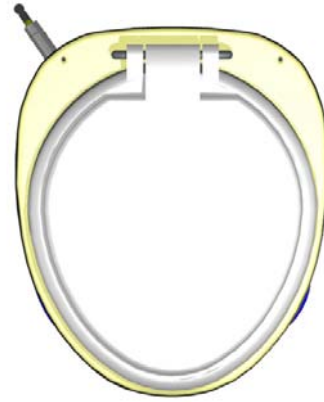
- Carry out weekly routine checking for scale deposits in the tank and de-scale as necessary.
- Lubricate holding tank evacuation valve with mechanical oil. (to be carried out immediately after flushing through the holding tank).

Fault Reporting Procedure

1. In the unlikely event of a fault occurring a simple chart has been enclosed with this manual.
2. Using the chart, determine the cause of the fault and replace the faulty item.
3. To order a replacement part contact your dealer.

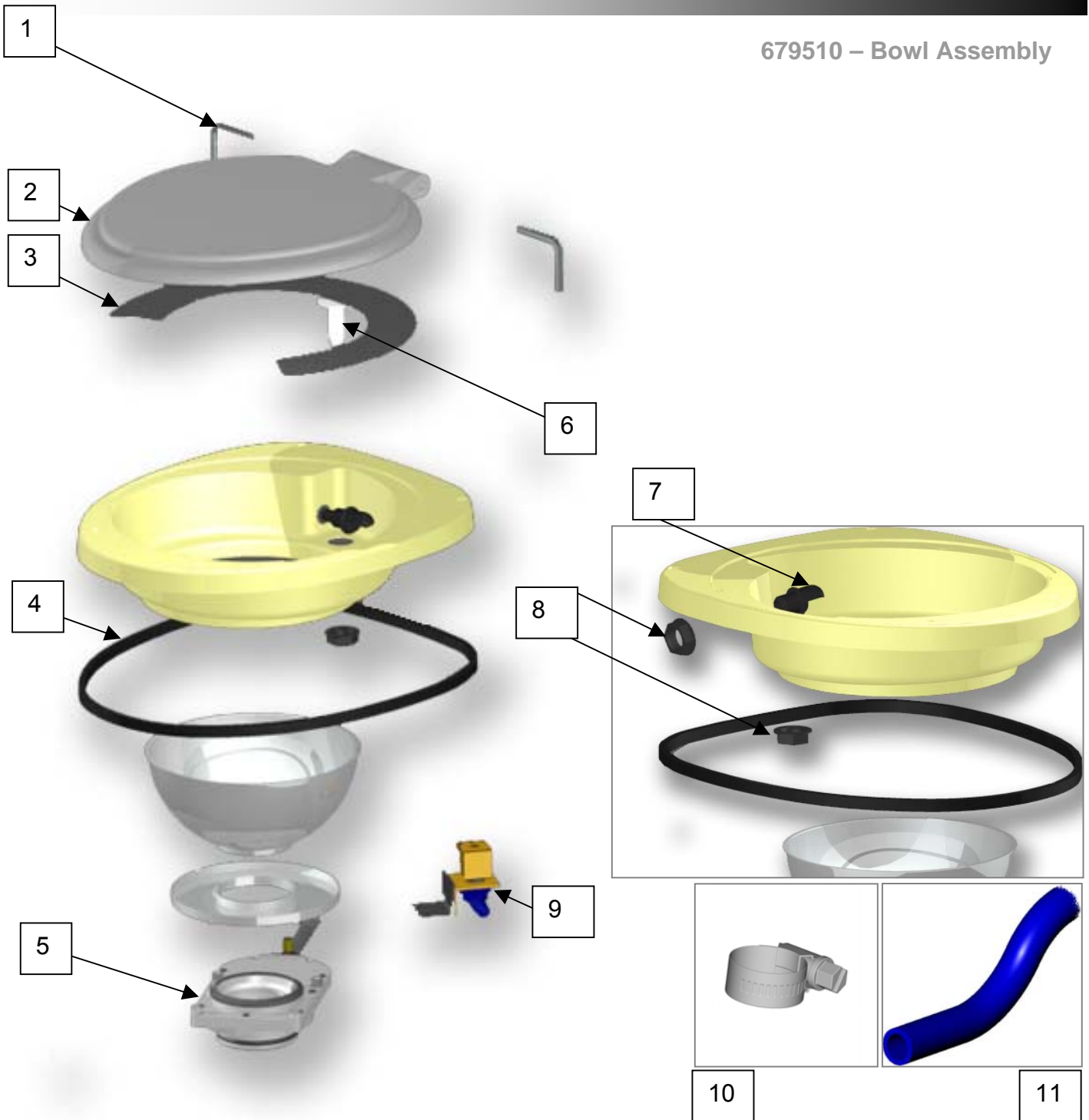
Bowl Assembly

679510 – Bowl Assembly



Bowl Assembly- Components

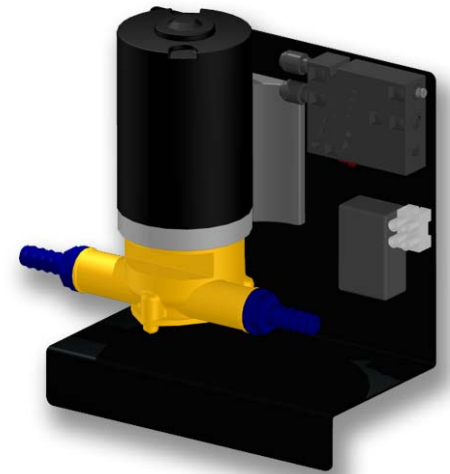
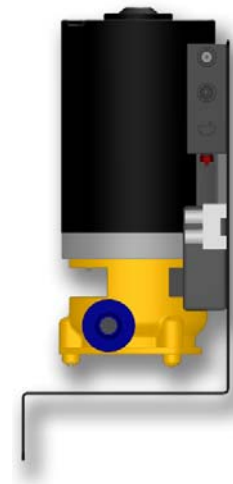
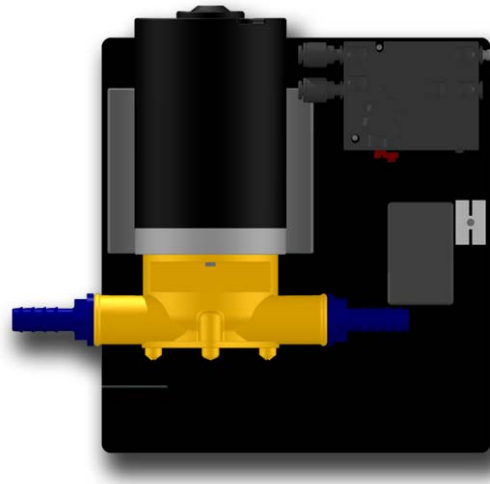
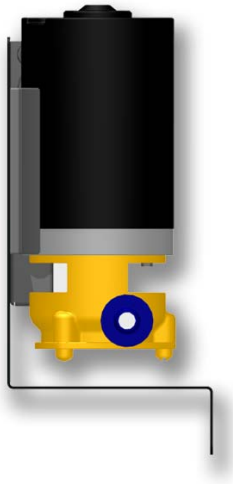
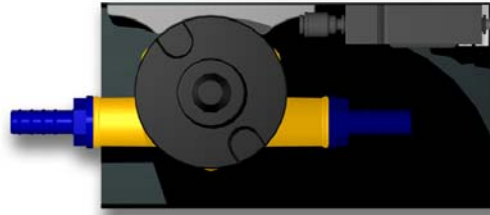
679510 – Bowl Assembly

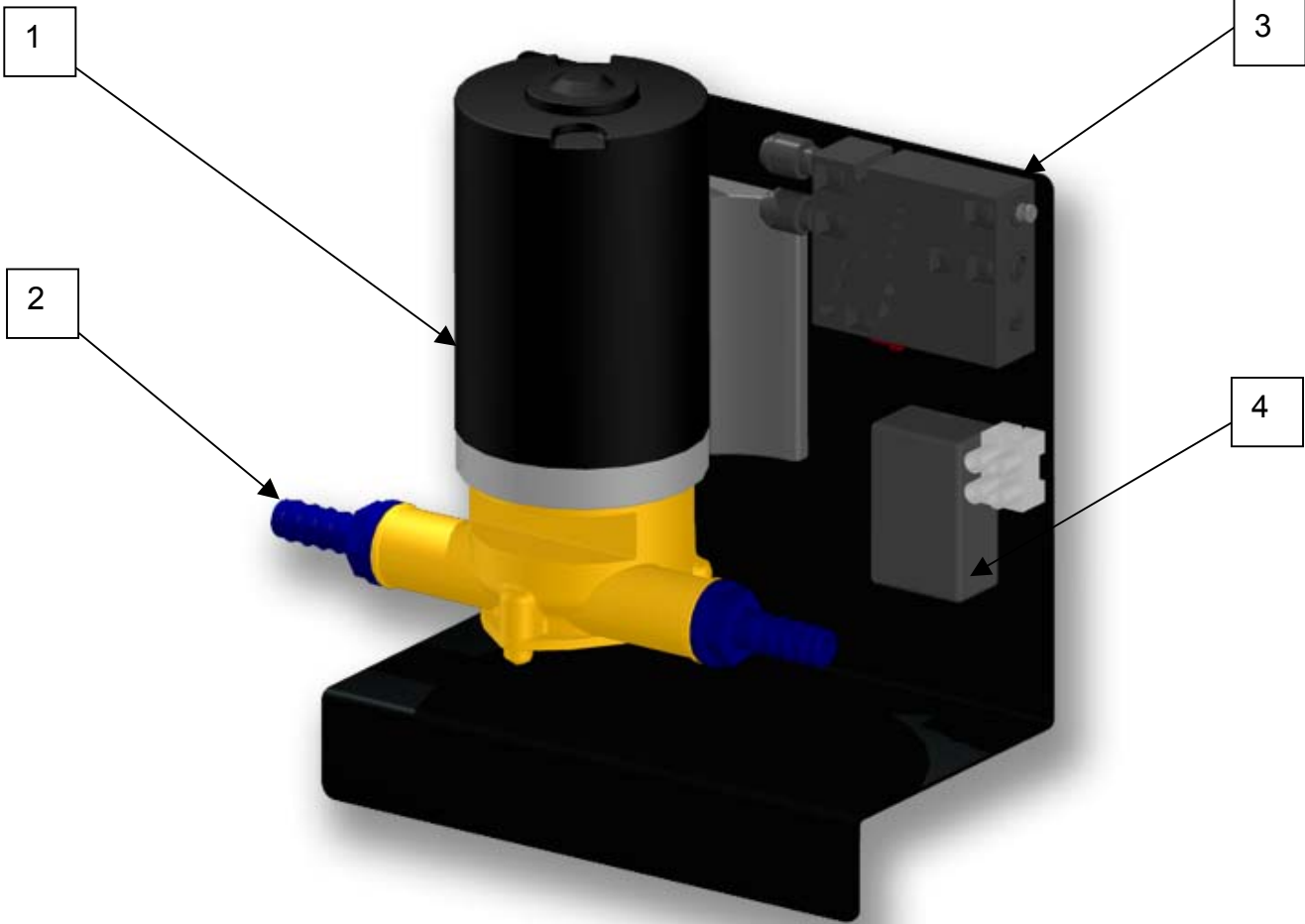


No.	Description	Cat No.	Qty
1	Toilet Seat Hinge Assembly	735102	(Set of 2)
2	Toilet Seat Assembly	735101	1
3	Splash Shield	661986	1
4	Rubber Bowl Seal	735738	1
5	Slide Valve Assembly	735713	1
6	1/2" BSP Bowl Overflow & Back-nut	663608	1
7	Flushing Faucet	663609	1
8	Faucet 1/2" Back-nut	695504	1
9	Low Pressure Solenoid Valve	714620	1
10	Jubilee Clip 12-22mm.	744041 (1 clip)	2
11	1/2" BSP Blue Hose.	744030	1m

Pump Assembly

702060 – Pump Assembly



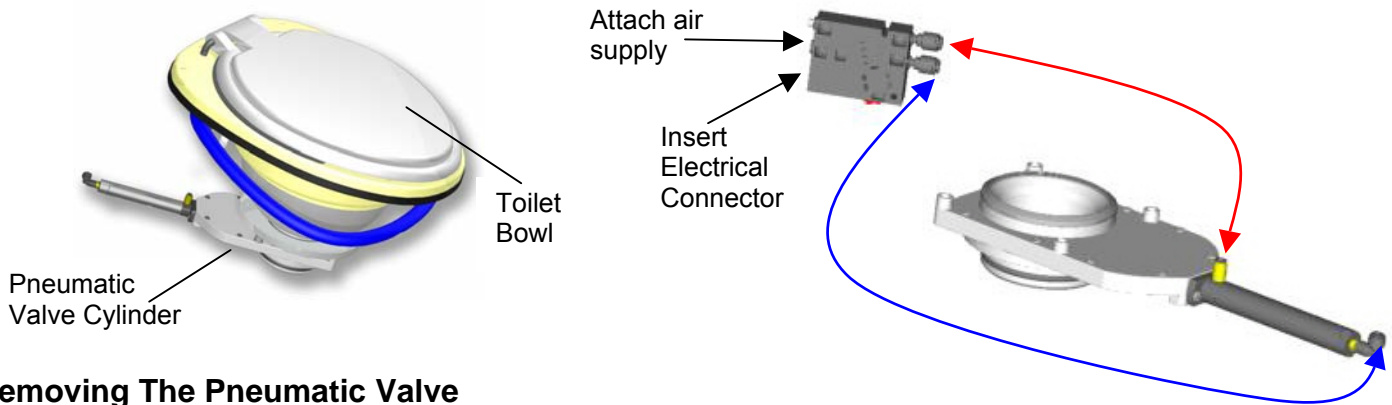


No.	Description	Cat No.	Qty.
1	Hydroflush Pump	702140	1
2	Blue 1/2" Hose Connector	744013 (1x Connector)	2
3	Control Box	735714	1
4	Flush Delay Unit	731215	1

Fault Finding

	Check	Power	Fuses	Relays	WC Tank Full	Wc Tank Low	Tightnen Pump Fittings	Check Filter	Adjust Flush Nozzle	Check Impeller	Check Air Supply	Valve Seal	Correct Chemical	Splash Shield Incorrectly Aligned.	Clean Unit Disinfect ant
Symptoms															
Toilet Not Flushing		√	√	√	√	√									
Toilet Valve Does Not Open		√	√	√							√	√			
Water Splashing Out of Bowl									√					√	
Poor Flush							√	√		√					
Bad Odour												√	√		√

Replacing The *HYDROFLUSH* Pneumatic Control Valve



Removing The Pneumatic Valve

- i) Ensure the vehicle engine is off and switch off the WC Master Switch **WC** on the dashboard
- ii) Lift the toilet seat and rim and unscrew the four fixing bolts holding the bowl to the cowling
- iii) Pull the bowl assembly upwards (twisting slightly from side to side) until the bowl is free from the soil tank and the plumbing connector to the flush nozzle is exposed.
- iv) Remove the connector to the nozzle and lift the bowl clear of the cowling.
- v) Disconnect the two air pipes to the pneumatic valve cylinder to the bottom of the bowl –

CAUTION – Take care when disconnecting the air pipes and where possible reduce the air pressure in the system by depressing the brake pedal several times.

- vi) Undo and remove the four fixing bolts holding the pneumatic valve to the bottom of the bowl and remove the valve assembly, **Note the exact position of the valve.**

Replacing The Pneumatic Valve

- i) Position the valve assembly on the bottom of the toilet bowl and secure in place with the bolts. **Tighten bolts to 6kgf.cm using a torque wrench.**
- ii) Smear Vaseline or rubber lubricant around the black 'O' ring on the pneumatic valve and introduce the bowl and valve assembly back into the aperture on the cowling
- iii) Reconnect the air pipes to the pneumatic valve cylinder and the plumbing pipe to the flush nozzle.
- iv) Push the bowl assembly back into the fitting on the soil tank and push down carefully but firmly until the bowl edge rests on the cowling top surface. Secure with the four bolts
- v) Start the vehicle engine and switch on the WC Master Switch. **Wait until the vehicle air pressure is at the maximum before attempting to flush the toilet**