caroma® Slimline

Inwall/Induct DF Cistern

Installation Instructions

Leaflet No. 233503~C

caroma® Slimline Inwall/Induct Dual Flush Cistern

Installation Instructions * This cistern must be installed in accordance with AS/NZS 3500.1

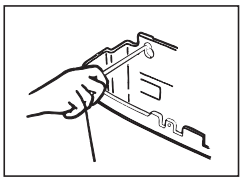
Customer Helpline: 13 1774 (Australia)

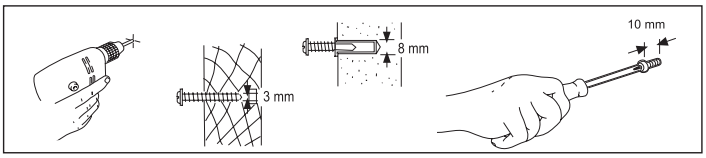
This cistern is supplied with right hand water inlet. This can be changed to left hand by swapping the inlet valve over.

All cisterns are factory tested but because water pressures vary, the water level must be set by the installer.

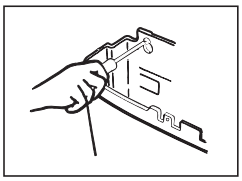
Mounting the Cistern

1. Drill a clearance hole squarely through the wall 65 -70mm in diameter to line up exactly with the centre of the pan horn.
2. Choose a position for the push button hole. It must be vertically above the flush pipe hole and the two holes must have a centre distance of between 430mm and 900mm.
3. Drill the push button hole squarely through the wall and 30mm in diameter. Thoroughly clean all the rubble and dust from both holes.
4. Remove the cistern lid by squeezing the lid on both sides. Align cistern by pushing the threaded pipe through the wall and into the rear bracket. Hold cistern against wall in the exact position required, ensure that it is level and mark through the mounting holes.





5. In masonry, drill 8mm diameter holes and insert the plugs provided. In timber, drill 3mm diameter pilot holes. Install the fixing screws leaving the heads protruding by approximately 10mm from the wall.
6. Hang the cistern over the screws and then take up the slack in the screws.



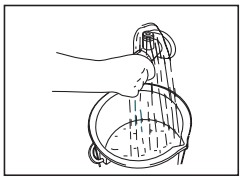
Fitting the Flush Pipe

1. Feed the flush pipe through the wall to touch the stop face inside the horn of the pan. Measure the distance between the wall face on which the cistern is mounted and the centre line of the vertical section of the pipe.
2. Calculate the amount that must be trimmed from the end of the pipe to give a distance of 55mm between the wall face and the centre line of the vertical section of the flush pipe.
3. Remove the pipe from the wall and trim the amount calculated from the end of the pipe.
4. If the two holes through the wall were drilled at a centre distance less than 900mm, measure the vertical distance between the centre of the 65 - 70mm diameter hole and the end of the water outlet from the cistern. The flush pipe should enter 20mm into the water outlet so add 20mm to the dimension measured and trim the vertical section of the flush pipe to the new dimension.
5. Thoroughly clean all burrs and chamfer both ends of the flush pipe.
6. Take the flush pipe and onto the vertical end slide the coupling nut followed by the 50mm kingco rubber.
7. Push the horizontal section of the flushpipe through the hole in the wall and slide the pipe cover on. Lubricate the kee seal with soap and water and fit the pipe into the pan.
8. Lift the cistern and engage the flush pipe into the water outlet. Hang the cistern back into place and take up the slack in the screws.
9. Slide the kingco rubber up to the cistern before hand tightening the coupling nut.
10. Move to the other side of the wall and slide the pipe cover up to the wall face to conceal the hole.

Installation Instructions

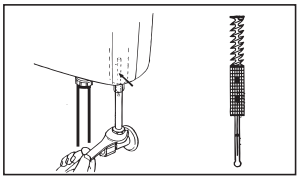
Fitting the Water Supply Pipe

1. Open the water supply stop cock to thoroughly flush out the supply line.



2. Make sure that the strainer is in place to help prevent damage caused by water borne contaminants.

3. Fit the water supply pipe using approved fittings, making sure that no copper shavings or strands of sealing tape are left in the connecting pipe.



Fitting the Flushing Mechanism

1. Position the galvanised steel plate on the inner face of the wall so that the 30mm diameter hole in the plate lines up exactly with the 30mm diameter hole in the wall. The two 10mm diameter holes should lie horizontally.

2. Mark two of the four mounting holes. The chosen holes should be diagonally opposite.

3. Drill the two holes 8mm diameter and mount the rear plate using the screws and plugs provided. These two plugs are suitable for both sheet materials and masonry. If screwing into timber 3mm diameter pilot holes should be drilled.

4. Measure the wall thickness and cut the threaded tube so it is between 40mm to 90mm longer than this measurement.

5. Cut the brass shaft so it is 16mm ± 2mm longer than the measured wall thickness.

6. Clear all burrs from the ends of the brass shaft and threaded tube.

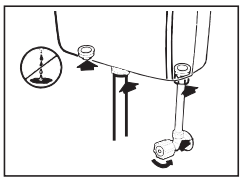
7. Fit the brass shaft into the back of the face plate, slide the threaded tube over the brass shaft and screw it into the back of the face plate.

8. Remove the backing from the two pieces of double sided tape on the rear of the face plate. Slide the threaded tube through the hole in the wall and ensure the brass shaft locates into the end of the activating arm.

9. Screw the flanged nut onto the threaded tube so that the face plate and rear bracket are pulled firmly against the wall. Check to ensure the activating arm has a small amount of clearance to the end of the brass shaft. If there is no movement allowed in and out then the brass shaft may need to be trimmed shorter.

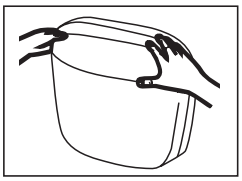
Testing the Cistern

1. Turn on the water supply and check for leaks at the connection fittings. Allow the cistern to fill and then flush it. Check for leaks at both ends of the flush pipe.



2 If necessary, adjust water level as per inlet valve Installation Instructions provided.

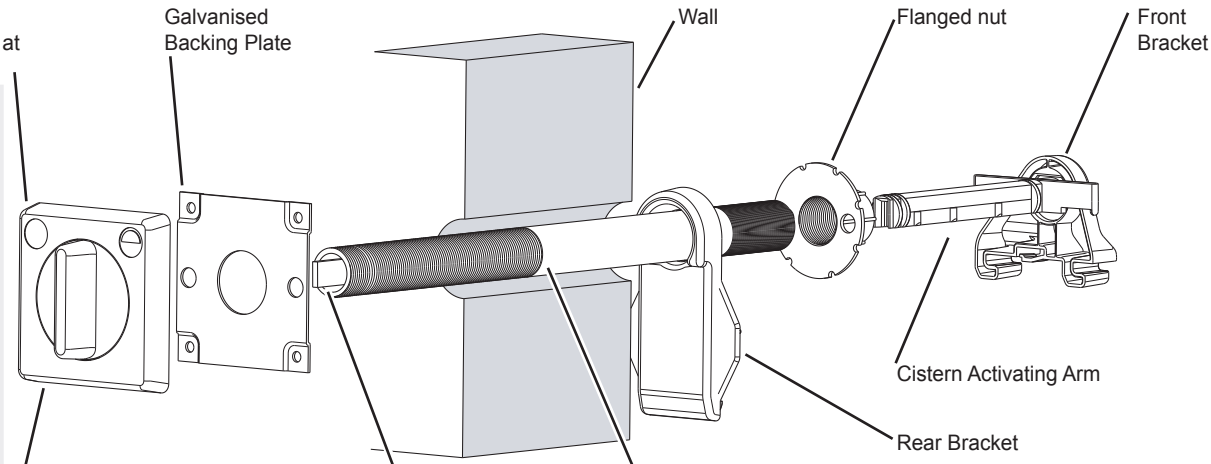
3. If all cistern functions are correct, replace the lid.



Installation Instructions

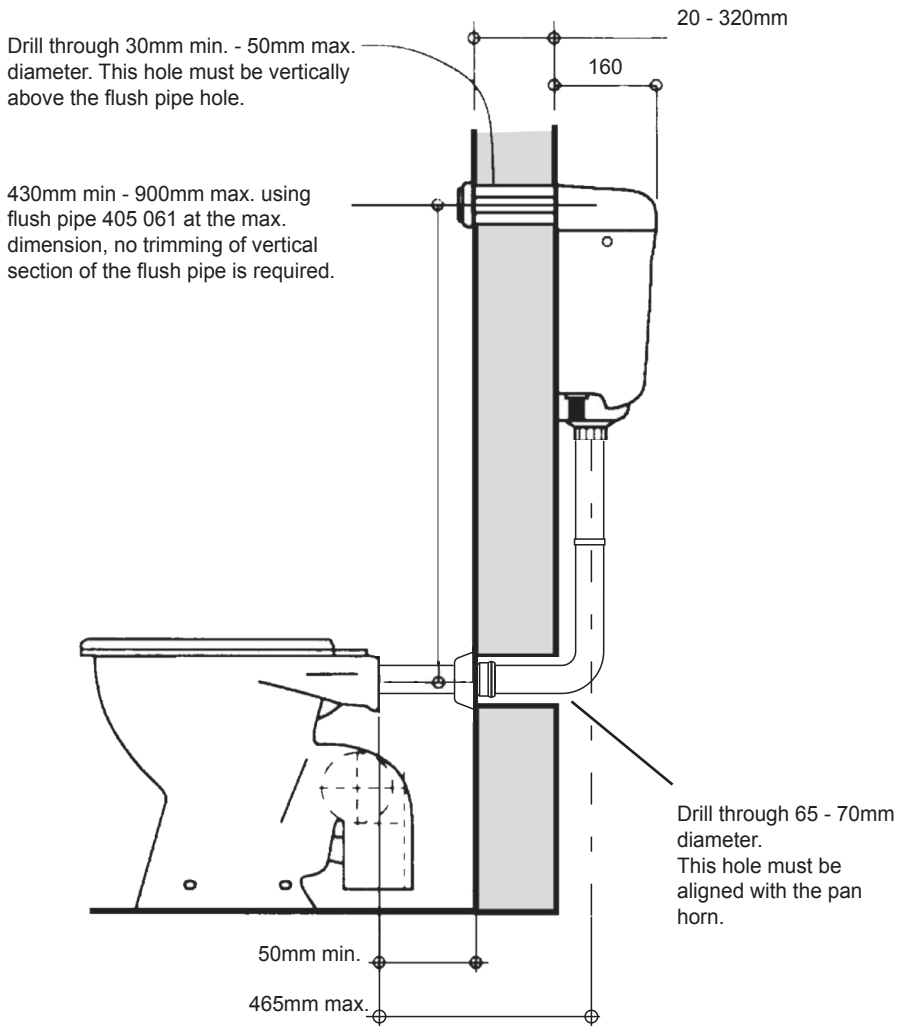
Induct Dual Flush Operating Mechanism - Exploded View

Face Plate
Install with flush symbols at the top.



Note: Do not remove the backing of the double sided tape on the rear of face plate, until the final fit.

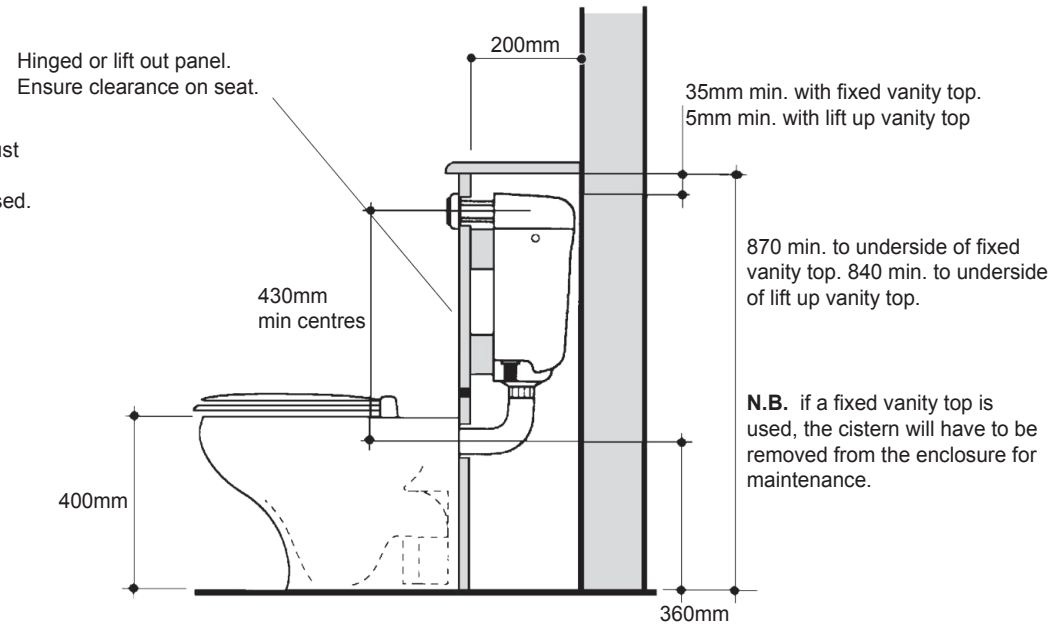
Installation Recommended Details



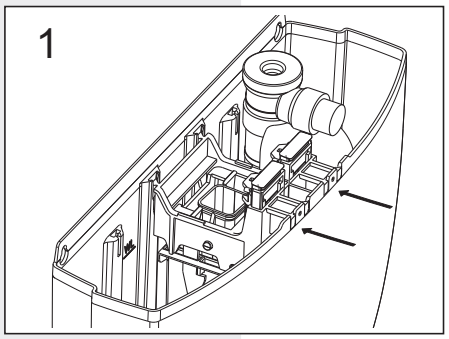
Installation Instructions

Recommened Minimum Dimensions - for installation in a specially fabricated enclosure

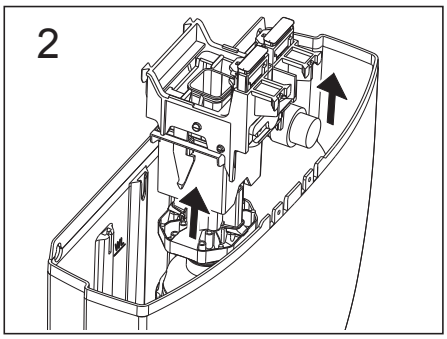
N.B. All enclosure materials must be water resistant.
Flushpipe 405 010 should be used.



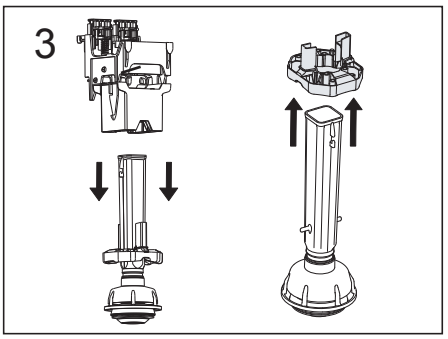
Procedure for Converting 6/3 Flush to 9/4.5 Flush



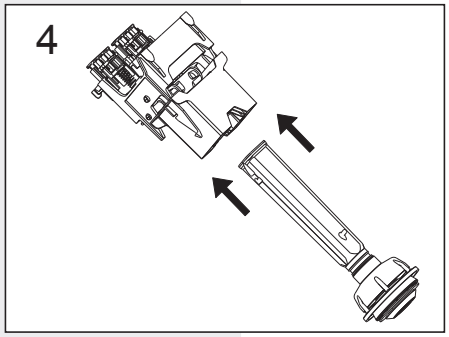
Pull both clips on front of cistern back to release Bridge mechanism.



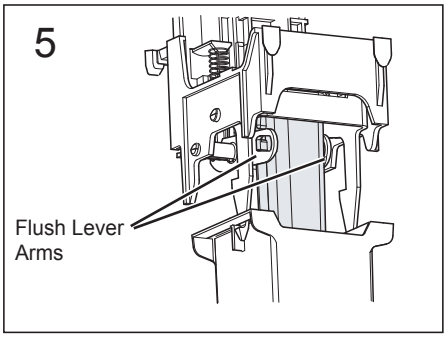
Remove inner assembly from the cistern by pulling upwards.



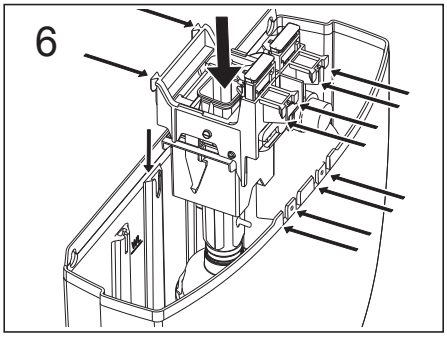
Remove the Outlet Valve from the Bridge Mechanism by spreading the Flush Lever arms to clear the clips on the Interflow Tube. Remove the Knockdown Bucket from the Interflow Tube.



To reassemble the Outlet Valve, slide the Interflow Tube back through the Knock-down Float.



Clip Interflow Tube into arms of the Flush Lever.



Slide inner assembly back into cistern ensuring the dovetail guides at the rear line up and the dovetail guides at the front clip into place.

caroma® Outlet Valve

Service Requirements

- Servicing is only required in instances where outlet valve operation is found to be faulty.

Troubleshooting Guide

- If valve leaks ► Inspect seal for damage and replace interflow tube assembly if necessary.
- If any other issues arise ► Consult a plumber or Caroma After Sales Service.

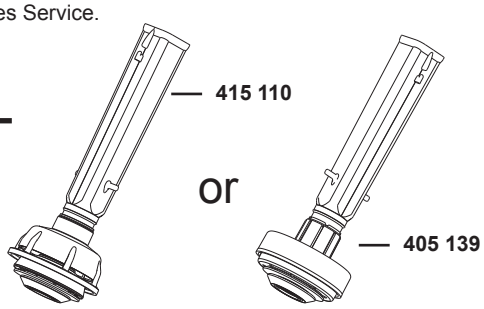
Spare Parts Information

- Caroma Hi-Flo Outlet Valve compatible Spare Part Kit is **415 110**

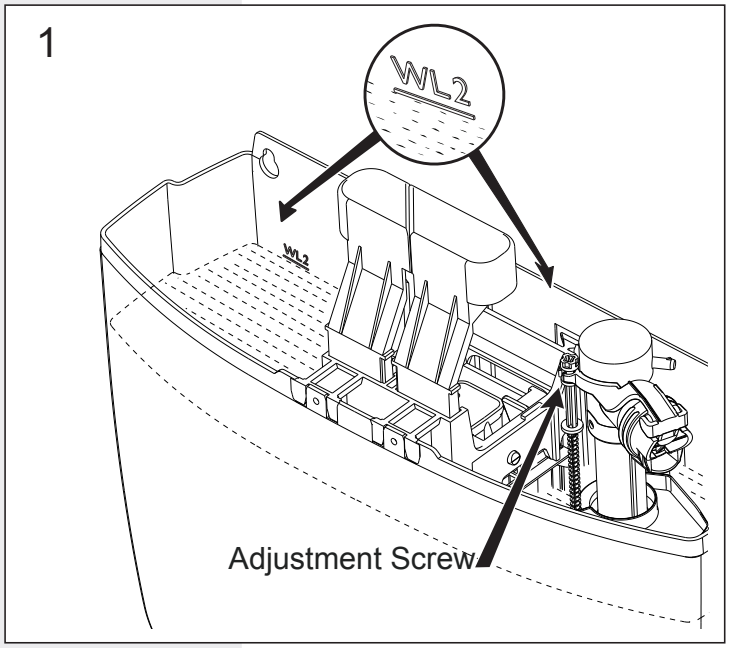
OR

- Caroma Norwood Outlet Valve compatible Spare Part Kit is **405 139.**
  Each Contains - **1 x Interflow Tube Assembly**
  Refer to - **Spare Parts Installation.**

- For all other spare parts refer to the Caroma Technical Handbook.



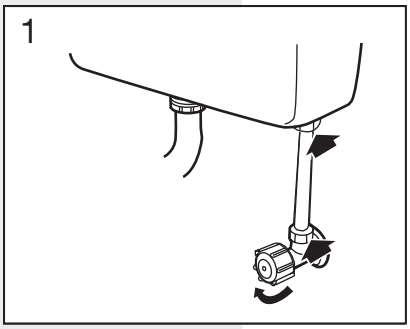
Water Level Adjustment Instructions



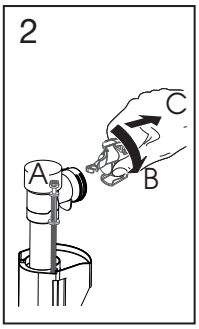
Actuate the Inlet valve at least once to purge any trapped air in the valve.
Adjust the water level to the WL2 mark.

caroma® Apollo Inlet Valve

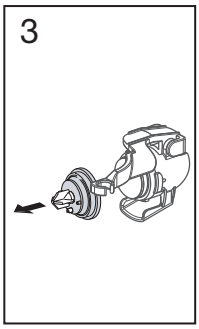
Maintenance Instructions



Turn off water supply and if strainer is to be cleaned remove connection fittings.

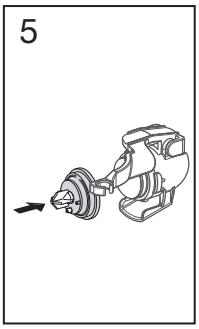


Unclip adjusting screw. Rotate anti clockwise & pull to remove cap assembly.

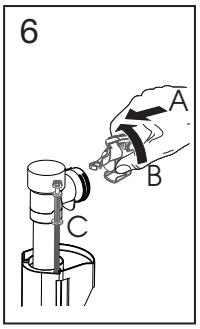


Remove seal from cap assembly.

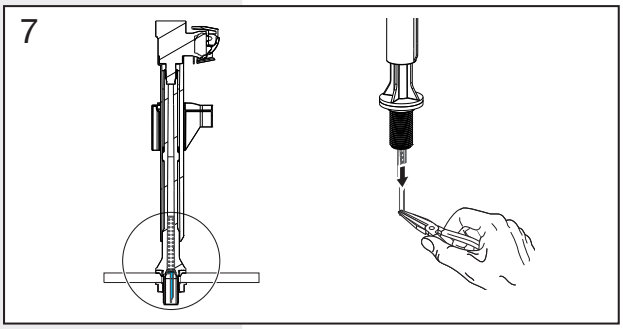
Wash seal to remove any dirt and inspect for damage.



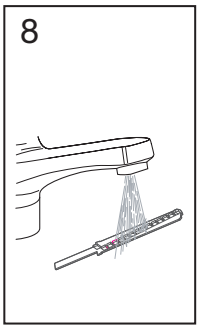
Replace seal on cap assembly.



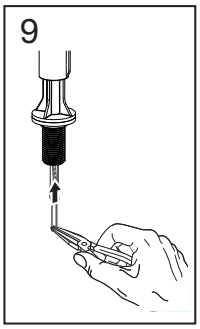
Push & rotate clockwise to re-attach cap assembly. Re-attach adjusting screw.



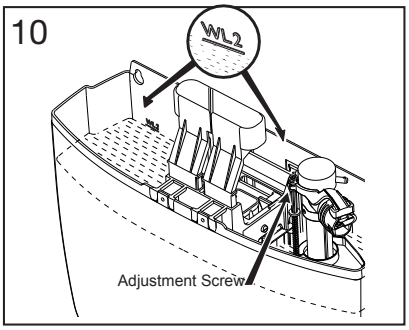
Using pliers carefully remove strainer from the base of the valve.



Wash strainer to remove any dirt.



Carefully push strainer back into valve.



Reconnect water supply & turn water supply back on.

Service Requirements

- Inlet Strainer may require periodic cleaning (dependant on water quality) - procedure as described above.

Troubleshooting Guide

- Valve slow to fill OR fails to open ► Ensure tap is open and/or clean Tail Strainer.
- Valve fails to close ► Clean & inspect seal as described above, replace Cap Assembly & Seal if damaged.
- If any other issues arise ► Consult a plumber or Caroma After Sales Service.

Spare Parts Information

- Apollo Inlet Valve compatible Spare Part Kit is **687 082**
  Containing - **1 x Cap Assembly**
  - **1 x Seal**
  Refer to - **Steps 1, 2, 5 & 6 above.**

- For all other spare parts refer to the Caroma Technical Handbook.