

Caroma® TITAN - WALL MIXER WITH WALL BASIN OUTLET & PLATE (RH/LH) WATER EFFICIENT TAPWARE

PLUMBERS INSTALLATION INSTRUCTIONS

Important Information

- * HOT & COLD WATER INLET PRESSURES MUST BE EQUAL.
- * Not suitable for gravity feed systems.
- * Wall basin outlet is fitted with a flow regulated aerator insert.
The lower flow rate may not be suitable for connection to some Instantaneous Gas Water Heaters, some Tempering Valves, some Solar Water Heaters & some Thermostatic Mixing Valves. Check with the manufacturers of these products.
- * In-wall components must be mounted accurately to ensure tapware operates correctly when installed.
- * Brazed connections should NOT be made directly onto mixer, as excessive heat will cause permanent damage.
- * All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.
Note: Aerator insert must be retightened to prevent removal by hand.

Installation (Fig. 1 & 3)

- 1) Fit mixer body (12) onto a suitable mounting plate or noggin in the wall and secure using screws through the holes in its base. When facing the mixer, the connections should be as follows : Hot water inlet connection 'H' to the left.
Cold water inlet connection 'C' to the right.
Mixed water outlet connection, vertically upwards.
Note : A suitable elbow fitting (15⁺) should be fitted to the inlet connection adjacent to the basin outlet (13) (Fig.3). Check all connections for leaks.
Important :
 - * Mixer body (12) must be installed square to wall/tile face, to ensure wall cover plate (8) sits flush.
 - * To avoid damaging the decorative finish, do not remove the plastic protective sleeve until installation has been completed.
- 2) Accurately mount a wall elbow (14⁺) (or equivalent) for connection to the basin outlet in the desired orientation (to the right or left of mixer body) (Fig.2).
Important :
All care should be taken that the wall elbow (14⁺) is mounted accurately in line with, and at a distance of 90mm±2 from the adjacent mixer body (12) and that it is square to the wall/tile face (Fig.3). Connect the mixer body outlet to the wall elbow (14⁺). **Note:** Pipework and fittings are not supplied.
- 3) Apply a suitable clear sealant to the back face of the wall cover plate (8), leaving an unsealed section at the bottom for drainage. Apply a suitable clear sealant in the corner around the location diameter of the retaining ring (7) to prevent water entering the wall cavity (See Fig 1).

- 4) Carefully fit the wall cover plate (8) followed by the retaining ring (7) onto the mixer body (12), ensuring the pin in the retaining ring is engaged in the location slot (with the screws at the bottom). Push the retaining ring and wall cover plate firmly against the wall/tile face and tighten screws (6) using 2mm allen key (5). Wipe clean any excess sealant from the decorative surfaces & the wall/tile face. (See Fig.1)
- 5) Fit handle (1) as shown, taking care that it is pushed fully down. Tighten grub screw (2) using 2.5mm allen key (3) then insert plug (4).
- 6) Apply thread tape to the thread of wall elbow (14⁺).
Important: Care must be taken that thread tape cannot become dislodged and block the flow regulating device, causing a reduction in water flow.
- 7) Apply a suitable clear sealant in the corner around the location diameter of the retaining ring (18) to prevent water entering the wall cavity (See Fig.4). Slide the retaining ring (18) onto the basin outlet (13). Screw the inlet of the basin outlet (13) onto the thread of the wall elbow (14⁺) until its base is adjacent to the wall cover plate, then screw on a further 2-3 turns and position so that the aerator insert is pointing down as shown, taking care not to damage the decorative finish. DO NOT OVERTIGHTEN. Push the retaining ring (18) firmly against the wall cover plate (8) and tighten screws (6) using 2mm allen key (5). Wipe clean any excess sealant from the decorative surfaces.
- 8) Turn on Hot and Cold water supplies and check operation.

Replacing Cartridge (Fig. 1)

- 1) Turn off hot and cold water supplies.
- 2) Carefully remove plug (4) before using a 2.5mm allen key (3) to loosen grub screw (2) and remove handle (1). Remove cap (9) taking care not to damage the decorative finish. Unscrew nut (10) then lift out old cartridge (11).
- 3) Ensure inside face of mixer body (12) is clean. Check that seal is in position in base of new cartridge (11). Fit new cartridge (11) into mixer body (12), taking care that two lugs on base of cartridge (11) fit into mating holes in mixer body (12).
- 4) Screw on nut (10). **Important :** Nut (10) should be tightened to a torque of 10Nm.
- 5) Replace cap (9), tightening by hand. Fit handle (1) taking care that it is pushed fully down. Tighten grub screw (2) then replace plug (4).
- 6) Turn on water supplies and check operation.

IMPORTANT

Pressure & Temperature Requirements.

- Hot and cold water inlet pressures should be equal.
- Static Inlet pressure range : 150 -1000 kPa
New Regulation :-500 kPa maximum static pressure at any outlet within a building.
(Ref. AS/NZS 3500.1-2003, Clause 3.3.4)
- Maximum hot water temperature : 80°C.

Installation Requirements.

- The installing plumber is responsible for waterproofing all penetrations for Taps in Shower areas at installation by a proprietary flange system or a sealant.
(Ref AS3740-2010, Clause 3.10)

+ Not supplied.

Removing Aerator Insert (Fig.4)

- 1) Aerator insert (16) can be removed with spanner (17) provided.
- 2) Deposits of lime can be removed by washing in a vinegar solution.
- 3) When replacing aerator insert (16), be careful that thread is engaged correctly and 'O' ring is not damaged as it enters the bore. Tighten securely (to prevent removal by hand) using spanner (17).

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