CAROMA RIVIERE - PULL OUT SINK MIXER

WATER EFFICIENT TAPWARE

INSTALLATION INSTRUCTIONS

Important Information

- **Not suitable for gravity feed systems.**
- **Mixer is fitted with a regulated 1.75gpm aerator insert (34). This low 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. If required, 1.75gpm aerator insert (34) can be replaced with 1.25gpm aerator insert (35) (Supplied in a bag) to get lower flow rate, (See "Replacing Aerator insert"). Check with the manufacturers of these products.**
- **Isolating stop taps must be fitted to the hot & cold water supply connections. (Part No. 842018C - Mini cistern 1/4T)**
- **All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.**

Mixer is fitted with a 180° limited swivel retainer (24), To suit single bowl sink installations, swivel limit can be changed to 70° by swapping the retainer (24) in below steps with retainer (26).

To change to 70° swivel setting - Unscrew the cover (27) by hand, remove screw (25) using allen key (3), pull the outlet (32) out of the body (9), lift cover (27) up just enough to expose the retainer (24). Remove the retainer (24), fit long retainer (26) onto groove of outlet as shown in **Fig.1**, ensure that split ring (29) & (31) are fitted in place and 'O'rings (30) not damaged, push the outlet (32) back fully into the body (9), align the hole in the retainer (26) with hole in the body (9) as shown in **Fig. 2**. Insert the screw (25) and tighten it in using allen key (3). Slide the cover (27) back down, screw it by hand and hand tighten.

To change to front facing handle option -

1) Unscrew the cover (27) by hand, remove screw (25) using allen key (3), pull the outlet (32) out of the body (9), lift cover (27) up just enough to expose the retainer (25), then rotate the outlet (32) 90° anti-clockwise and pass the screw through retainer (24) then fit into the Front facing hole as shown in **Fig. 1**.

Installation

1. Ensure 'O'ring (11) is fitted into groove in base ring (10). Slide the base ring (10) over the threaded tube (12) & locate spigot of base ring (10) into base of mixer body (9) as shown in **Fig. 1**.
2. *Flexible Tail Mixer Connections*: Apply suitable lubricant to 'O'rings (17). Fit flexible tail (19) (with red indication) into inlet hole marked with a Red Dot in underside of mixer body (9). Hand tighten the tail, ensuring the 'O'ring (17) has fully entered the sealing bore to provide a watertight joint. Fit other flexible tail (with blue indication) into remaining hole in a similar manner.
3. **Note:** *For thin decks, a triangle spacer (37) is supplied, which can be fitted prior to the flat seal (13).* Insert the inlet connection end (20) of each flexible tail (19) firstly through the hole in the deck, followed by pull-out hose end (21). Insert threaded tube (12) of mixer into deck hole, position the mixer as required, fit metal washer (14) together with flat seal (13) over threaded tube (12) of mixer (9) as shown in **Fig. 1**. Screw clamp ring (15) onto threaded tube (12) until it contacts washer (14) and the flat seal (13) has contacted the underside of the deck. Tighten two screws (16) equally until mixer assembly is clamped firmly to the deck. DO NOT OVERTIGHTEN.
4. *Flexible Tail Inlet Connections*: Connect the flexible tails (19) to the hot and cold isolating stop taps, hand tighten the connecting nut (20) until rubber cone contacts the sealing face of the connection end, then tighten a further one turn to provide a watertight joint.

   Important: Flexible tails must not be kinked, twisted or in tension when installed. (Minimum Bend Radius:- 50mm) Do not install flexible tails where subject to ultra violet light.
5. *Spring installation:* Screw one end of spring holder tube (39) onto the male thread of spigot (42). Remove the clip (40) of tube (39) from the spigot (42) end to allow the spring (38) to slide over the pull out hose (41). Compress the spring (38) by hand until spigot (42) is exposed then while holding the spigot (42) unscrew the spring holder tube (39) to prevent spring (38) from coming off, then push spigot (42) together with 'O'ring (22) into connector (23) until a 'click' sound is heard. If it doesn't click into place then remove the spigot (42) out of the connector (23) by pressing the button and push it back in the connector (23) until you hear the 'click' sound, repeat if no 'click' heard.
6. Turn on water supplies and check tap operation to ensure theres no leakage at connector (23) and tail (19) inlet connections.

Replacing Cartridge

1) Turn off hot and cold water supplies.
2) Carefully unscrew handle lever (1). Using 2.5mm allen key (3) loosen screw (4) and remove handle (5). Remove cap (6) taking care not to damage the decorative finish. Unscrew nut (7) then pull out cartridge (8).
3) Ensure inside face of mixer body (9) is clean. Check that seals are in position in base of new cartridge (8). Fit new cartridge (8) into mixer body (9), taking care that two lugs on base of cartridge (8) fit into mating holes in mixer body (9).
4) Screw on nut (7). **Important:-** Nut (7) should be tightened to a torque of 10 Nm.
5) Fit cap (6) back to the body (9) ensuring the lower surface is pointing down as shown in **Fig. 1**. Screw handle lever (1) together with O'Ring (2) into handle (5) and tighten firmly by hand, taking care not to damage decorative finish.
6) Turn on water supplies and check operation.

Removing Aerator Insert

Aerator insert (34) can be removed with spanner (36) provided

1) Deposits of lime can be removed by washing in a vinegar solution.
2) When replacing aerator insert (34) or (35), be careful that thread is engaged correctly and 'O' ring is not damaged as it enters the bore. Tighten securely using spanner (36).

IMPORTANT
• This product complies with the Lead Free requirements of the National Construction Code Volume Three.
• 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)
• Maximum hot water temperature : 70°C.
Deck Requirements
• Deck thickness : 45mm maximum
• Tap body hole (in deck) : Ø34-36mm

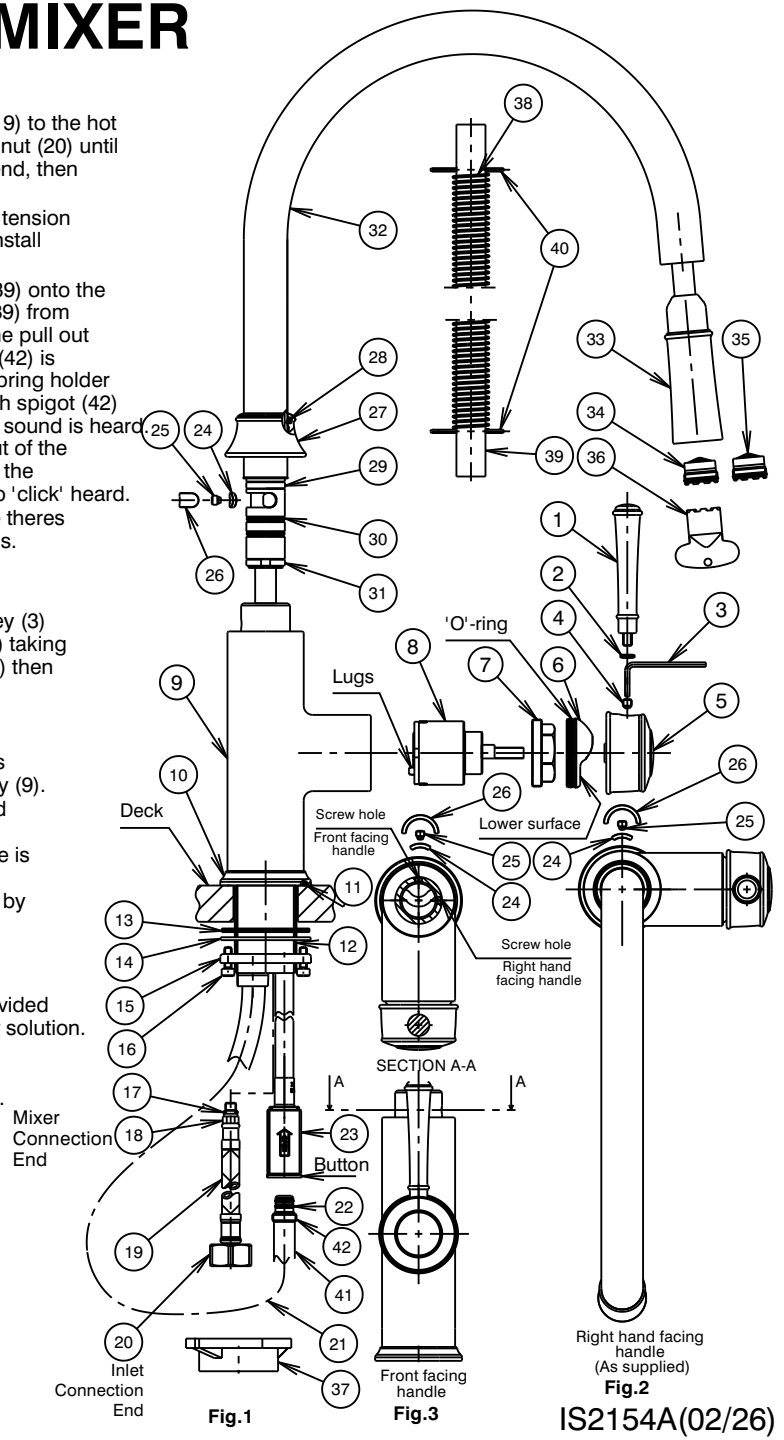

Fig.1 **Fig.3** **Fig.2**

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