



# VILLA - SINK MIXER

## WATER EFFICIENT TAPWARE

### PLUMBERS INSTALLATION INSTRUCTIONS

#### Important Information

- \* Not suitable for gravity feed systems.
- \* Mixer is fitted with a flow regulated aerator insert.
- \* 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. Note: Aerator insert housing must be retightened to prevent removal by hand.

#### Installation (Fig.1)

- 1) Ensure seal (9) is installed into groove in base of body (8).
- 2) Insert threaded tail (11) of mixer body (8) into deck hole. Fit rubber washer (10), followed by plastic washer (12), over the threaded tail of the mixer (8) as shown (Fig. 1). Screw on nut (14) and tighten firmly by hand to secure the mixer to the deck.
- 3) *Flexible Tail Mixer Connections:* Apply suitable lubricant to 'O' rings (15). Fit flexible tail (16) (with red indication) into inlet fitting (13) marked with a red dot. Hand tighten the tail, ensuring the 'O' ring (15) has fully entered the sealing bore to provide a watertight joint. Fit other flexible tail (with blue indication) into remaining tail in a similar manner.
- 4) *Flexible Tail Inlet Connections:* Connect the flexible tails (16) to the hot and cold isolating stop taps, hand tighten the connecting nut (17) 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.

#### Replacing Cartridge (Fig. 1)

- 1) Turn off hot and cold water supplies at isolating stop taps.
- 2) Carefully remove plug (1) before using a 2.5mm allen key (2) to loosen grub screw (3) and remove handle (4). Remove cap (5) taking care not to damage the decorative finish. Unscrew nut (6) then lift out old cartridge (7).
- 3) Ensure inside face of mixer body (8) is clean. Check that seal is in position in base of new cartridge (7). Fit new cartridge (7) into mixer body (8), taking care that two lugs on base of cartridge (7) fit into mating holes in mixer body (8).
- 4) Screw on nut (6). **Important:-** Nut (6) should be tightened to a torque of 10 Nm.
- 5) Replace cap (5), tightening by hand. Fit handle (4) taking care that it is pushed fully down, then tighten grub screw (3). Replace plug (1) taking care not to damage the decorative finish.
- 6) Turn on isolating stop taps and check operation.

<b>IMPORTANT</b>	
<b><u>Pressure &amp; Temperature Requirements.</u></b>	
•	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.
<b><u>Deck Requirements</u></b>	
•	Deck thickness : 40mm maximum
•	Tap body hole (in deck) : $\phi$ 34-36mm

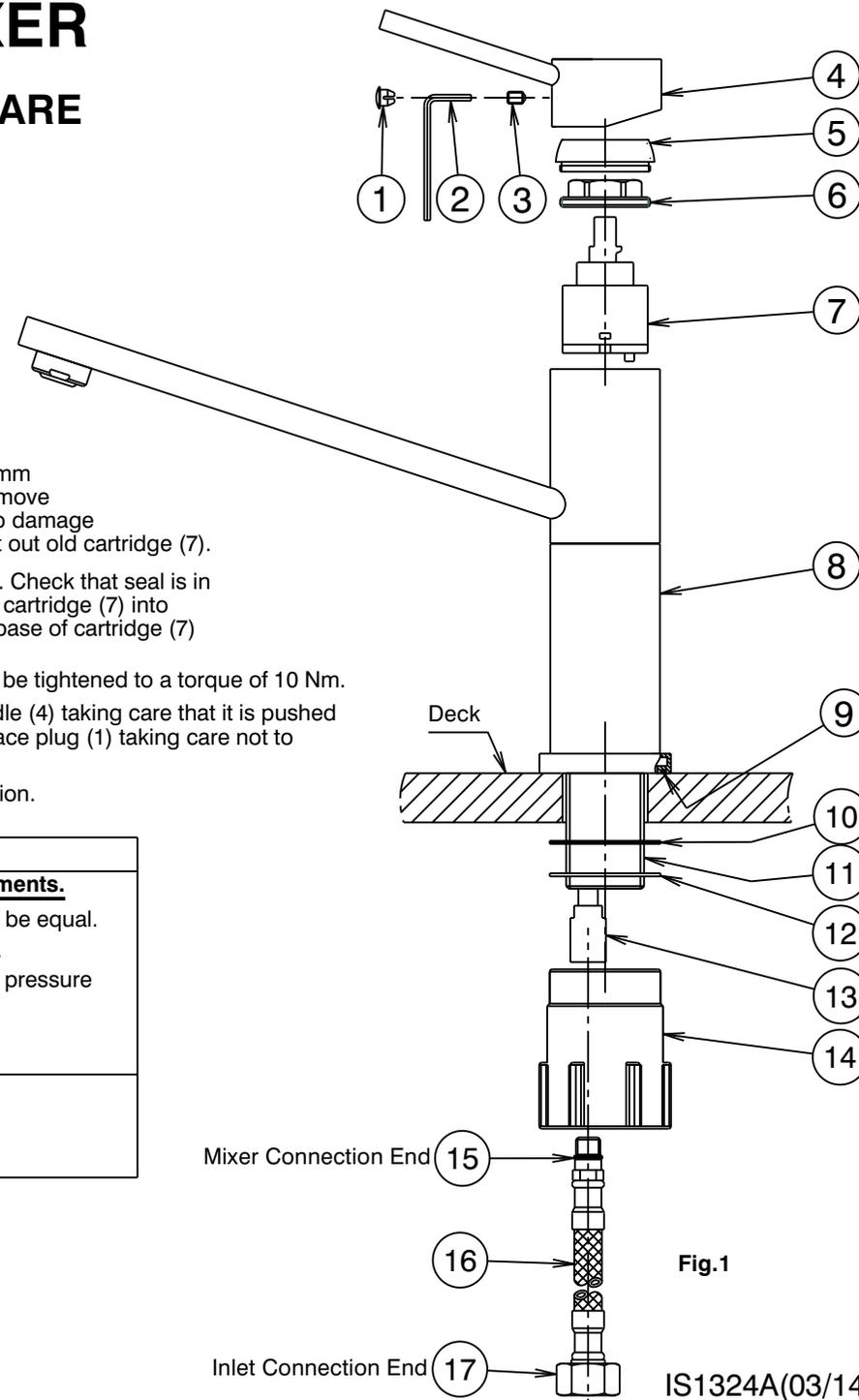


Fig.1