sýmons[®] Sereno™

Shower System S-4301 **Installation Brief**

Model Number

S-4301 Shower System

Decorative Finish Code

append to part numbers if applicable -STN Satin Nickel

-- Chrome (standard)

Rough-in Installation

Control valve, piping & fittings Reference rough-in dimension illustration on page 2 as required.

1) Determine wall thickness

- Determine type of wall and wall thickness where valve will be mounted.
- Consider whether to use mounting plate by reviewing figure 2 below.
- Skip ahead to **Step 3** if mounting plate will not be used.

2) Attach mounting plate to valve Seat mounting plate against valve assembly as illustrated in figure 1.

installation.

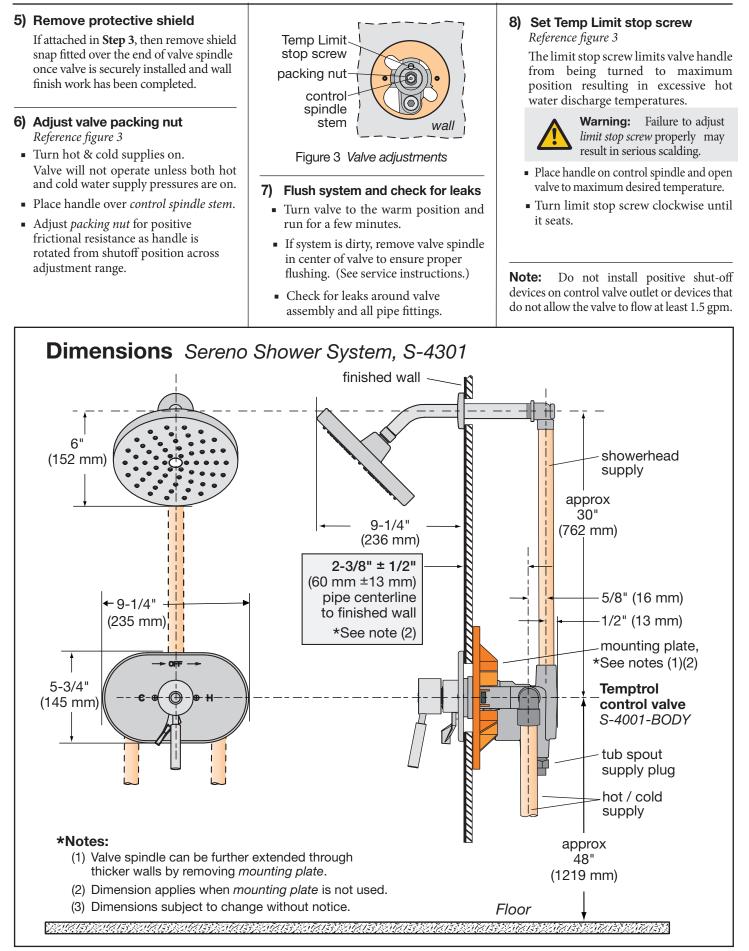
"snap on-off'

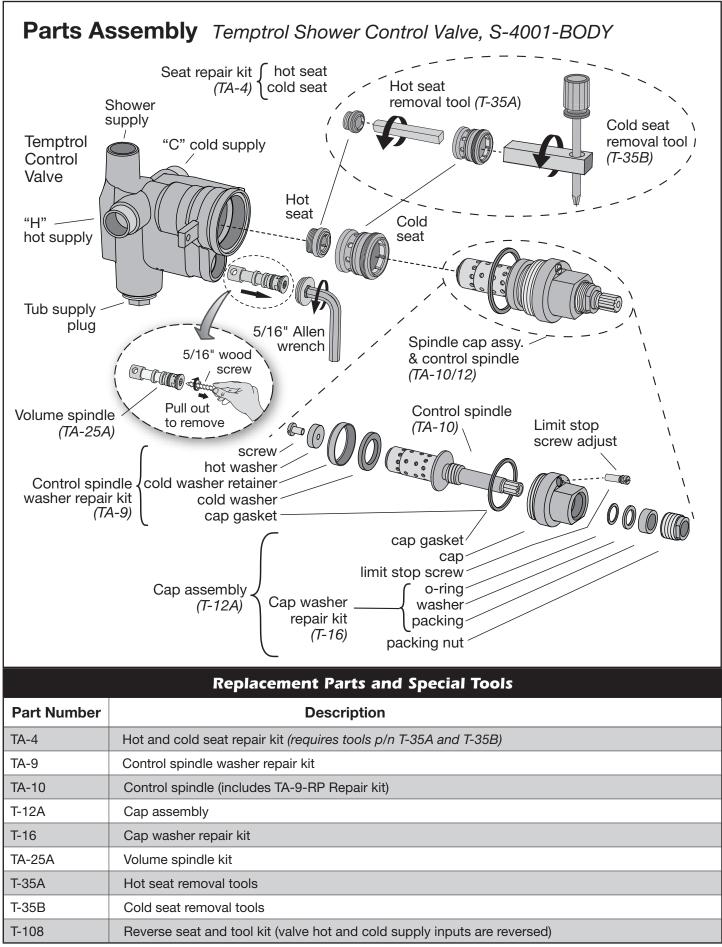




Tools & Materials Need Help? Contact Symmons customer service at (800) 796-6667, (781) 848-2250, customerservice@symmons.com Mon - Fri 7:30 am - 7:00 pm EST Please check Symmons website for technical help, the latest product information and warranty policy. lumbers Putty www.symmons.com/service 4) Install piping, fittings and control valve Piping and fittings not supplied Control Valve Install valve through cutout hole in wall as specified in figure 2 below and dimension illustration on page 2. Showerhead (S on valve) Pipe from outlet port on valve marked S Figure 1 Mounting plate to showerhead mounting arm location. 3) Attach protective shield Hot & Cold Supply (H & C) Reference figure 2 to determine Pipe hot water supply to valve input whether shield is required. marked **H** and cold water supply to valve input marked **C**. Attach plastic protective shield by snap fitting over end of valve spindle. Dry wall, plaster or other type wall Walls for using T-177 mounting plate Fiberglass or acrylic walls (required) 1/2" (13 mm) or greater- Plaster or other type walls (optional) finished wall 1/16" (2 mm) min • 1/2" (13 mm) max 2-3/8" ± 1/2" **Protective shield** Ensure valve's (60 mm ±13 mm) finished When mounting plate is used, mounting plate pipe centerline wall then shield is optional for is flush against to finished wall protecting end of valve during inner wall · Finished wall must be flush with back side of protective shield surface **Protective shield** "snap on-off" (required when mounting plate is not used) p/n T-177 p/n T-176 wall cutout hole size wall cutout hole size 3-1/2" (95 mm) min 4" (101 mm) max 3-1/2" (89 mm) min 4" (101 mm) max

Figure 2 Mounting valve





Trouble Shooting Chart

Problem	Cause	Solution
Valve will not pass water.	Both hot and cold water supplies are not turned on.	Turn on both supplies. Valve will not operate unless both hot and cold water pressure is on.
Valve leaks when shut off.	Hot and cold washers are worn or foreign matter (dirt, chips) is lodged between washers and seat surfaces.	 Replace washers using <i>control spindle washer</i> <i>repair kit</i>, p/n TA-9. Replace hot & cold seats using <i>hot/cold seat</i> <i>repair kit</i>, p/n TA-4.
Temperature control handle is turned from cold to hot (or hot back to cold) and volume from spout or head is not constant.	Pressure-balancing piston housed in spindle assembly is restricted from free movement by foreign matter.	 Open valve halfway, remove handle and tap spindle with plastic hammer. Check <i>water pressure balancing piston</i> in <i>control spindle</i>. See service instructions. Replace <i>control spindle</i>, p/n TA-10.
Valve delivers sufficient quantity of cold, but little hot, or the reverse.	Same as above	Same as above
Temperature varies without moving handle.	Same as above	Same as above
Valve delivery temperature reduces gradually during use; handle must be turned to hotter positions to maintain constant temperature.	Overdraw on hot water supply (i.e. running out of hot water).	Reduce maximum flow by using volume control adjustment on valve or showerhead. This will allow longer period of use before overdrawing hot water supply.
Valve delivers hot water when initially opened. Water turns colder as handle is rotated in a counter-clockwise direction toward the hot position.	Valve is piped incorrectly (i.e. the hot supply is piped to the valve's cold inlet and the cold supply is piped to the hot inlet.)	If piping is accessible, correct connections to the valve. If piping is not accessible, order a <i>reverse seat and tool kit</i> , p/n T-108. Older installations may also require replacing the hot seat, <i>hot/cold seat repair kit</i> , p/n TA-4.
Service Instructions Removing control spindle assembly Ref. parts assembly figure)	 Replace both seats even if only appears worn. 	• If piston appears restricted then do the following:
• Shut off water supply to valve and remove control valve handle and dome cover.	 Install and tighten both seats to 15 f pounds of torque. 	the piston.
 Remove escutcheon plate by first removing escutcheon screws. 	Control spindle washer repair kit Order p/n TA-9.	(2) Try soaking in household vinegar and repeat step (1).
• Turn valve's <i>control spindle</i> to half way position between minimum and maximum rotation.	 Remove <i>control spindle assembly</i>. Remove <i>cold washer</i> by holding spin using valve handle and unscrew of 	cold
Important: Failure to do this can damage control spindle assembly.	 <i>washer retainer</i> using channel lock pliers. Remove <i>hot washer</i> by removing <i>hot washer screw</i>. 	
• Unscrew both <i>spindle cap</i> and <i>control spindle assembly.</i>	Checking water pressure balancing piston The perforated end of the <i>control spir</i>	Valve re-assembly Reassemble by reversing above ndle
 Hot/Cold seat repair kit Order p/n TA-4, T-35A and T-35B. Installation requires both hot & cold removal bools, p/n T-35A & T-35B. Remove control spindle assembly. Remove both seats with removal tools. 	 assembly houses the water pressubalancing piston which is the heart of valve. Remove <i>control spindle assembly</i>. Shake spindle assembly and listen clicking noise. Piston should be free to s back and forth the full length of its trav 	theAfter the control spindle assembly (TA-10)is threaded back into the spindle cap assembly (T-12A) ensure control spindle is rotated 1/2 turn clockwise from its maximum counter clockwise rotational position. Failure to do this will damage
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