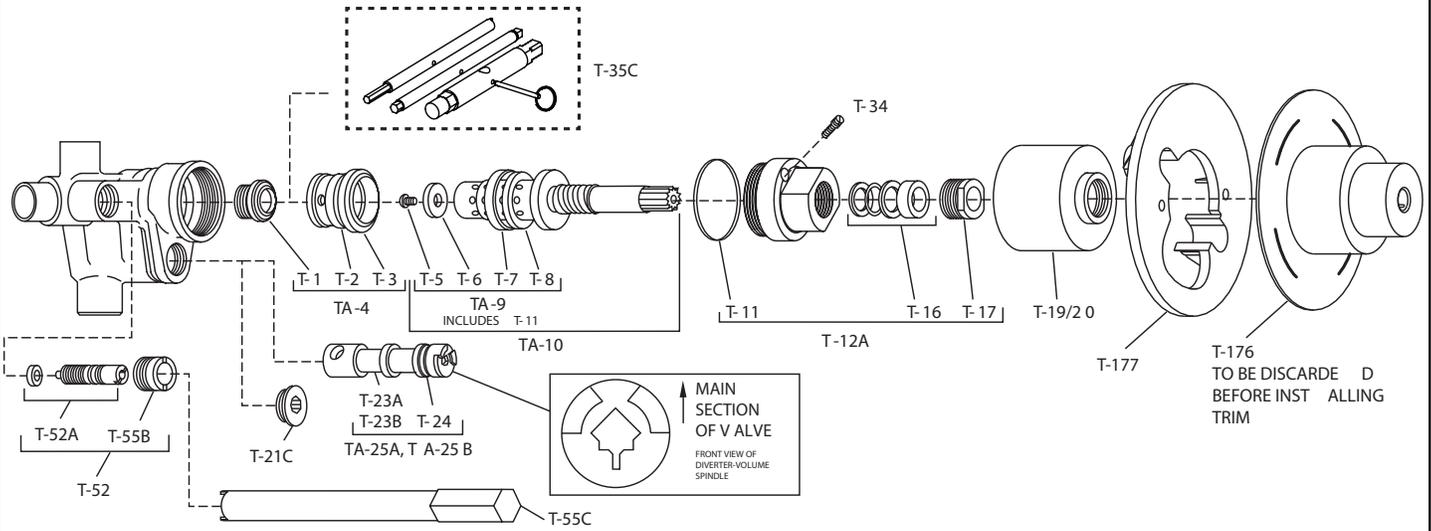




Temptrol® Genuine Replacement Parts

PARTS BREAKDOWN



INDIVIDUAL PARTS

T-1	Hot renewable seat
T-2	Cold seat O-ring
T-3	Cold renewable seat
T-5	Hot washer screw
T-6	Hot washer
T-7	Cold washer retainer
T-8	Cold washer
TA-10	Spindle assembly
T-11	Cap gasket
T-12A	Cap assembly
T-16	Packing, O-ring and washer
T-17	Packing nut
T-21C	Diverter retainer
T-23A	Diverter spindle (Model A)
T-23B	Diverter spindle (Model B)
T-24	Spindle O-ring
T-34	Limit Stop with O-ring
T-35C	Universal seat removal tool
T-52A	Stop spindle assembly/escutcheon screw retainer
T-55B	Stop plaster shield
T-55C	Stop plaster shield removal tool
T-176	Plaster shield
T-177	Wall mounting flange

COMPOSITE PARTS

TA-4	Hot seat (T-1) Cold seat O-ring (T-2) Cold seat (T-3)
TA-9	Hot washer screw (T-5) Hot washer (T-6) Cold washer retainer (T-7) Cold washer (T-8) Cap gasket (T-11)
TA-10	Spindle assembly
TA-25A	Diverter/volume spindle (T-23A) O-ring (T-24) for Model A tub/shower valve
TA-25B	Volume spindle (T-23B) O-ring (T-24) for Model B shower valve
T-52	Stop spindle assembly/escutcheon screw retainer (T-52A) Stop plaster shield (T-55B)

SERVICE

<ol style="list-style-type: none"> Shut off water supply to valve. Remove handle, dome cover, dial (if included) and escutcheon from valve. Open valve to about warm position and unscrew cap (T-12A). WARNING: FAILURE TO DO THIS WILL DAMAGE CAP AND SPINDLE. Spindle (TA-10) will be removed with cap. Leave packing nut (T-17) in place while unscrewing cap to avoid distortion. Ordinary service to eliminate dripping or not shutting off requires only the replacement of parts supplied in washer and gasket kit (TA-9). Hold spindle with handle while removing hot washer screw and cold washer retainer (remove retainer with channel lock pliers). Inspect top surfaces of hot and cold seats and replace if necessary. 	<p>IMPORTANT: When replacing hot and cold seats, always replace both seats (TA-4). Even if only one seat appears worn, both seats must be replaced. After long years of service, if spindle is very loose in cold seat, replace both seats (TA-4). Use seat removal tool [T-35(A,B)] for removal and replacement of both seats (TA-4).</p> <p>If cold seat is difficult to remove, and tool shifts damaging notches, relocate tool in second position of notches. Tighten both seats (TA-4) to 15 foot pounds of torque.</p> <ol style="list-style-type: none"> The perforated end of the spindle assembly (TA-10) houses the balancing piston which is the heart of this pressure balancing valve. The piston should be free to move back and forth and should click when the spindle assembly is shaken. If deposits block this action tap the 	<p>handle end of the spindle against a solid object to free the piston. Soaking in household vinegar will help free foreign matter. If this does not free piston, replace spindle assembly (TA-10).</p> <p>DO NOT TAMPER WITH PERFORATED CYLINDER ON THE SPINDLE ASSEMBLY OR ATTEMPT REMOVAL OF THE PISTON.</p> <ol style="list-style-type: none"> Reassemble, reversing above procedure. Spindle assembly must be drawn close to the cap before screwing cap back into the valve. WARNING: FAILURE TO DO THIS WILL DAMAGE CAP AND SPINDLE. <p>USE ONLY SYMMONS GENUINE REPAIR PARTS. FAILURE TO DO SO WILL VOID ALL WARRANTIES AND IMPAIR PROPER OPERATION OF YOUR VALVE.</p>
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TROUBLESHOOTING CHART

PROBLEM	CAUSE	SOLUTION
Valve will not pass water.	Hot and cold water not turned on.	Turn on both supplies. Valve will not operate unless both HOT and COLD water pressure is turned on.
Valve leaks when shut off.	Hot and cold washers are worn, or foreign matter (solder, chips, etc.) are between washers and seat surfaces.	Replace Hot and Cold washers, inspect top surface on hot and cold seats and replace if necessary.
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 blocked from free movement by foreign matter.	With valve open half way, remove handle and tap spindle with plastic hammer. If problem not solved, remove spindle assembly completely and tap handle against solid object to free piston. Soaking in household vinegar will help free foreign matter.
Valve delivers sufficient quantity of cold, but little hot, or the reverse of this.	Same as above.	Same as above.
Temperature varies without moving handle.	Same as above.	Same as above.
Valve delivery temperature reduces gradually during use; must be turned on 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 the valve or showerhead. This will allow longer period of use before overdrawing hot water supply.
Valve delivers hot water when initially opened and water turns colder when the handle is rotated in a counter-clockwise direction.	Valve is piped incorrectly (i.e. the hot supply is piped to the cold inlet to the valve and the cold supply is piped to the hot inlet of the valve).	If piping is accessible, correct piping connections to the valve. If piping is not accessible contact factory to order a reverse seat and tool (T-108-KIT). Older installations may require replacement of the hot seat (T-1) as well.
In tub/shower valves, when diverter is set in shower position, a trickle of water runs from tub spout.	A design function of the valve is to allow a trickle of water from the tub spout when diverter is set for the shower position. This trickle of water is necessary to ensure safe operation in that the valve will be shut off at the main handle and NOT with diverter handle.	

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.