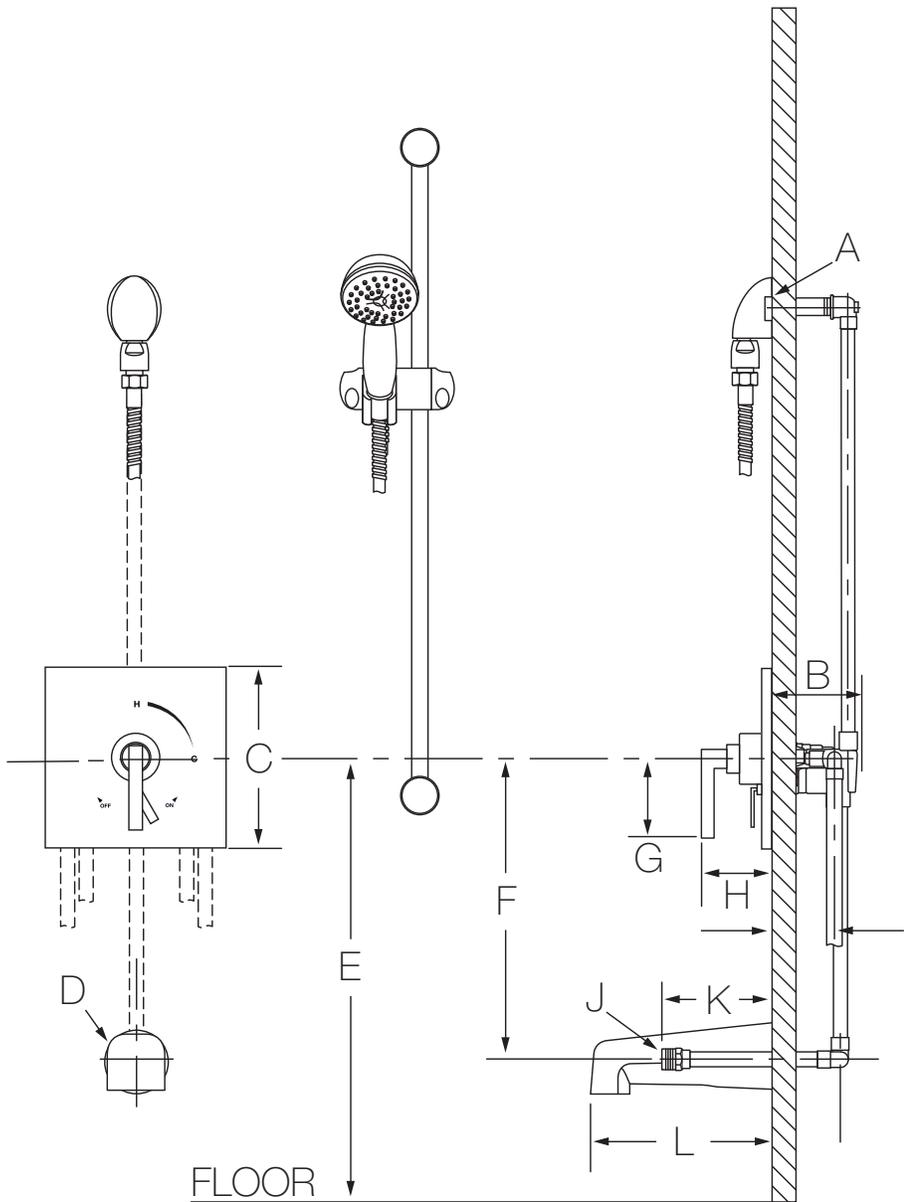




S-3604-H321-V
Duro™ Tub/Hand Shower System
Operation & Maintenance Manual

Model Numbers	Specification	
<input type="checkbox"/> S-3604-H321-V <i>Tub/Hand Shower System</i>	<p>Tub/hand shower system powered by the Temptrol® pressure balancing valve with secondary integral diverter. Features adjustable stop screw to limit handle turn, lever handles, wall connection, 30" slide bar, in-line vacuum breaker, flexible metal hose, non-diverter tub spout, 1 mode hand shower and standard 2.5 gpm (9.5 L/min) flow restrictor. Components made from metal and nonmetallic materials plated in standard polished chrome finish.</p>	
Options/Modifications		
<ul style="list-style-type: none"> <input type="checkbox"/> -1.5  1.5 gpm (5.7 L/min) flow restrictor <input type="checkbox"/> -2.0  2.0 gpm (7.6 L/min) flow restrictor <input type="checkbox"/> -IPS 1/2" female IPS connections <input type="checkbox"/> -LW Wide lever handle (chrome finish only) <input type="checkbox"/> -REV Reverse coring, hot on right, cold on left, for back to back installations <input type="checkbox"/> -SS Slip spout on any tub and shower unit <input type="checkbox"/> -T736 36" slide bar/grab bar with ADA hand shower in place of standard hand shower unit <input type="checkbox"/> -X Integral service stops - allows water shutoff at valve for service <input type="checkbox"/> -CHKS Integral check stops - for use in installations where a positive shut-off device is used downstream of mixing valve <input type="checkbox"/> -STN Satin Nickel finish <input type="checkbox"/> -TRM Trim only, valve not included 	<th data-bbox="808 932 1536 989">Compliance</th> <p data-bbox="808 989 1536 1129">-ASME A112.18.1/CSA B125.1</p> 	Compliance
<p>Note: Append appropriate -suffix to model number.</p>	<th data-bbox="808 1129 1536 1186">Warranty</th> <p data-bbox="808 1186 1536 1936"> Limited Lifetime - to the original end purchaser in consumer/residential installations. 5 Years - for industrial/commercial installations. Refer to www.symmons.com/warranty for complete warranty information. </p>	Warranty

Dimensions

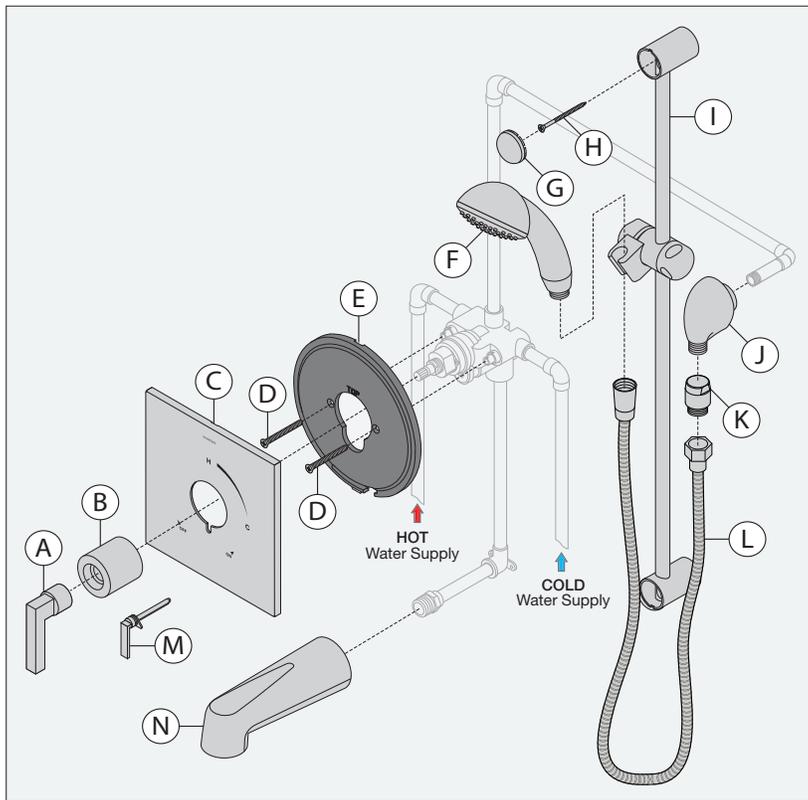


Measurements	
A	Male 1/2" NPT thread must be recessed 1/4" (6 mm) from finished wall
B	3-1/2", 89 mm
C	7-1/2", 191 mm
D	Ø 2-1/2", 64 mm
E	Ref. 32", 813 mm
F	Ref. 10", 254 mm
G	3-1/8", 79 mm
H	2-7/8", 73 mm
I	Rough-in 2-3/8" ± 1/2", 60 mm ± 13 mm
J	1/2" NPT
K	5-1/4", 133 mm
L	7", 178 mm

Notes:

- 1) All dimensions measured from nominal rough-in (see I as reference).
- 2) Dimensions subject to change without notice.

Parts Breakdown



Notes:

- 1) Apply a bead of silicone around the perimeter of all shower trim installed flush to the finished wall (less mounting plates and brackets). Leave opening on bottom of escutcheons for weep hole.
- 2) Apply plumber tape to all threaded connections.

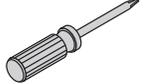
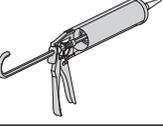
Replacement Parts

Item	Description	Part Number
A	Handle Assembly	T-617
B	Dome Cover	RTS-037
C	Escutcheon	
D	Screws	RTS-003
E	Mounting Plate	
F	Hand Shower	EF-100
G	Slide Bar	
H	Assembly	RA-009
I		
J	Wall Elbow	EF-105
K	Vacuum Breaker	EF-104
L	60" Hose	
M	Diverter Handle	RTS-004
N	Tub Spout	067

Notes:

- 1) Append -STN to part number for Satin Nickel finish.
- 2) Append -1.5 or -2.0 to showerhead or hand shower for low flow.

Tools Required for Installation

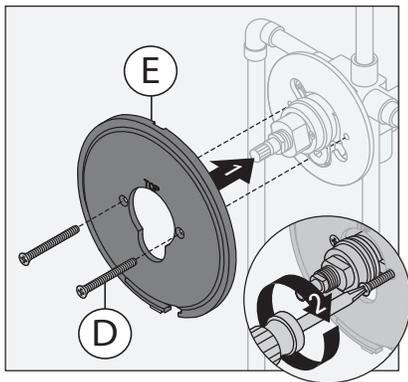
Adjustable wrench	
Allen wrench: 1/8"	
Phillips head screwdriver	
Plumber tape	
Power drill	
Silicone	

Installation

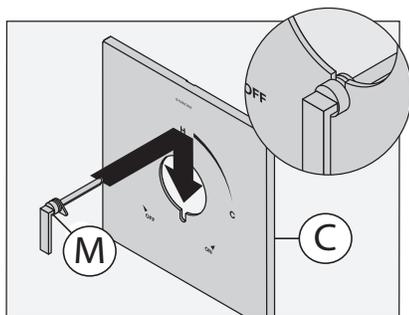
Note:

For valve body installation, please see valve body installation guide.

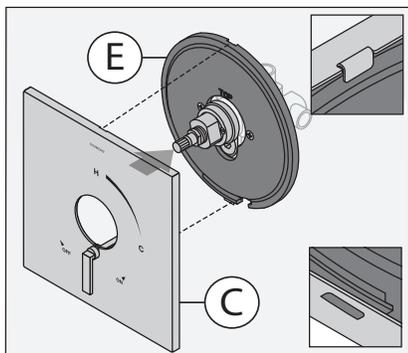
- 1) Install large mounting plate (E) to shower valve (S-4000-BODY). Secure with two screws (D).



- 2) Attach diverter handle (M) to shower escutcheon (C).

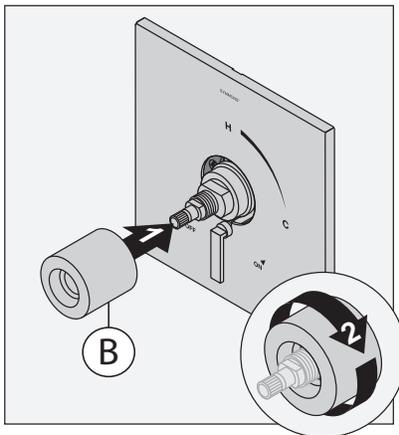


- 3) Attach shower escutcheon (C) to large mounting plate (E).

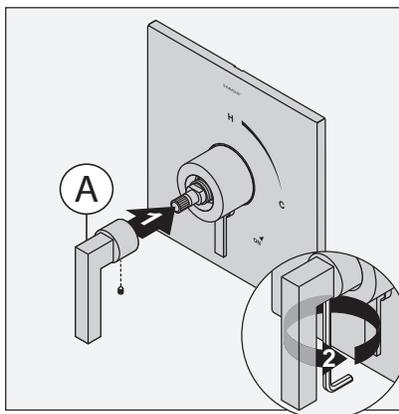


Note: Tabs should snap into place.

- 4) Install dome cover (B) to valve by turning clockwise.

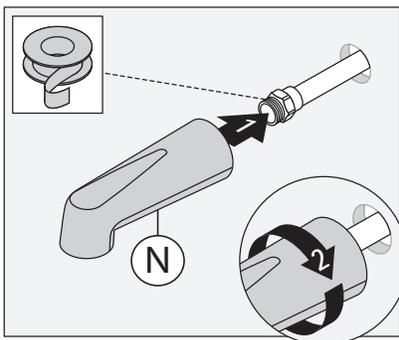


- 5) Install shower handle (A) to valve. Secure handle by tightening set screw.

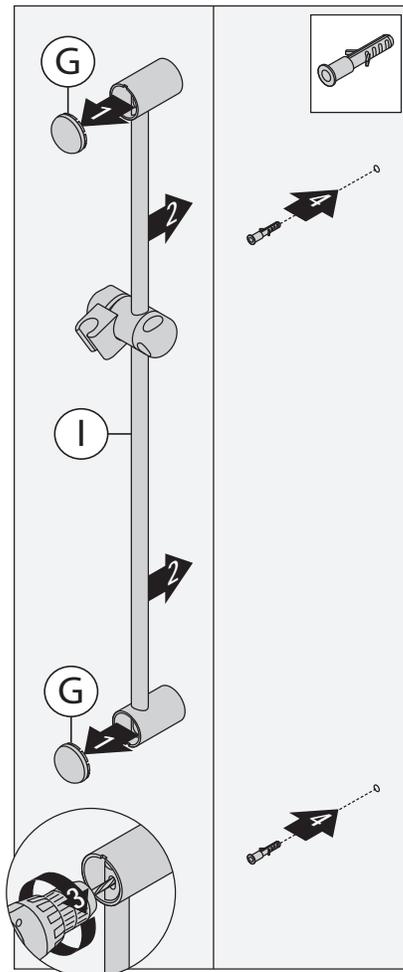


Note: Handle should be facing the 6 o'clock position.

- 6) Install tub spout (N) to pipe fitting. Turn clockwise to secure.



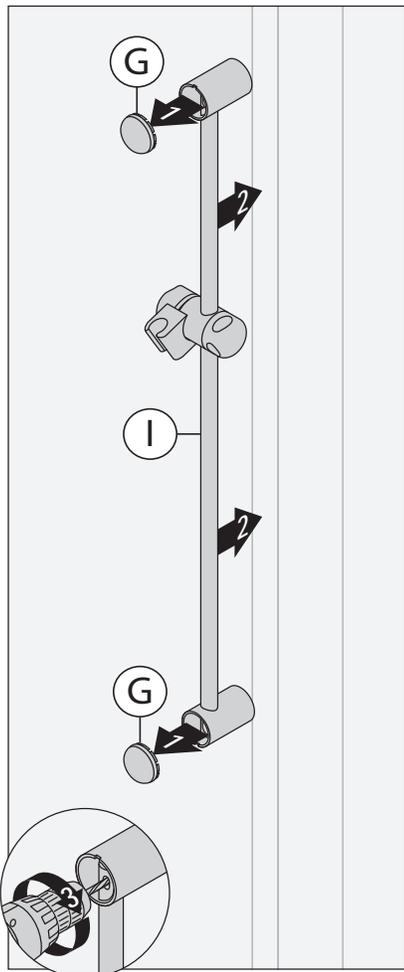
- 7a) **Dry Wall Option:** Remove upper and lower caps (G) from slide bar brackets. Place slide bar (I) into desired position. Using brackets as a guide, carefully drill 3/16" holes into wall. Remove slide bar and install anchors.



Note: Make sure that slide bar holes and bracket holes are aligned before drilling. Before drilling bottom hole, make sure slide bar is plumb.

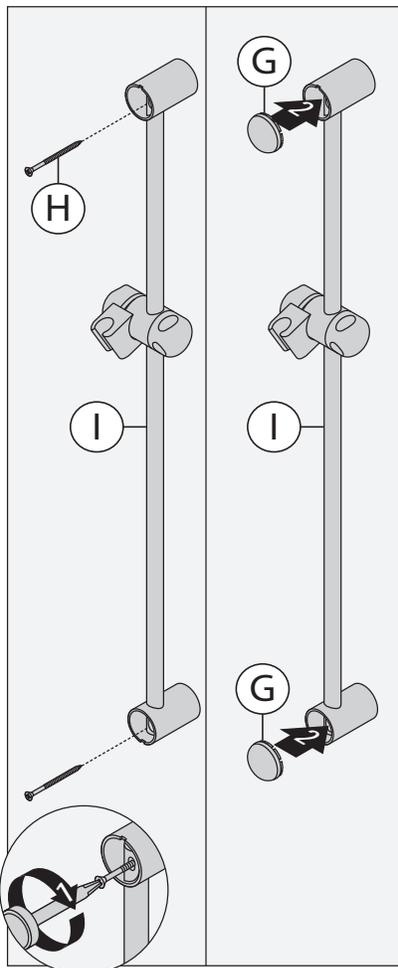
Installation

7b) **Stud Option:** Remove upper and lower caps (G) from slide bar brackets. Place slide bar (I) into desired position. Using brackets as a guide, carefully drill 1/8" pilot holes into stud.

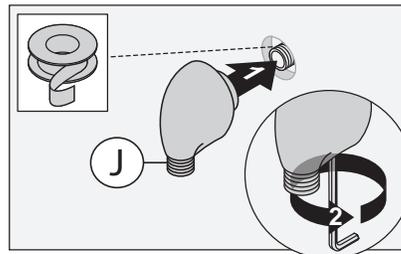


Note: Make sure that slide bar holes and bracket holes are aligned before drilling. Before drilling bottom hole, make sure slide bar is plumb.

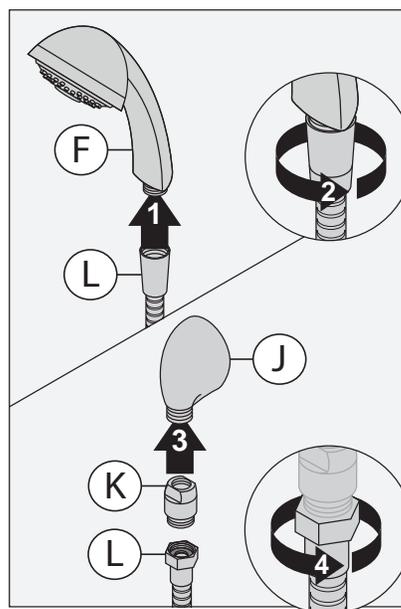
8) With slide bar (I) in position, secure to wall using screws (H). Replace upper and lower caps (G) onto slide bar brackets.



9) Install wall elbow (J) to pipe fitting. Tighten set screw to secure.

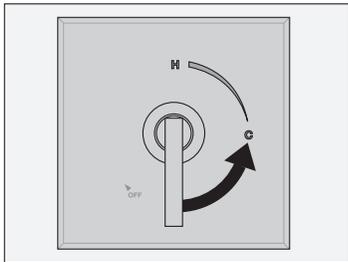


10) Attach large end of hand shower hose (L) to hand shower (F). Attach small end of hand shower hose and gasket to vacuum breaker (K). Connect vacuum breaker to wall elbow (J). Turn clockwise to secure.

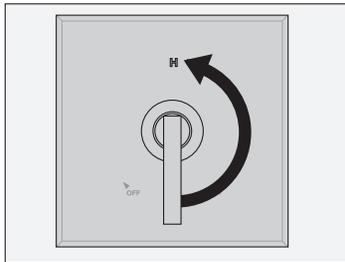


Operation (Temperature Control)

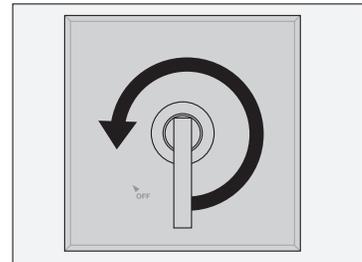
1) Turn shower handle counter-clockwise approximately 1/4 turn to put valve in cold position.



2) Turn shower handle counter-clockwise approximately 1/2 turn to put valve in warm position.

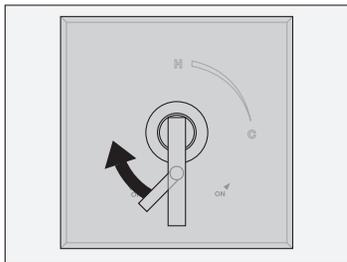


3) Turn shower handle counter-clockwise approximately 3/4 turn to put valve in hot position.

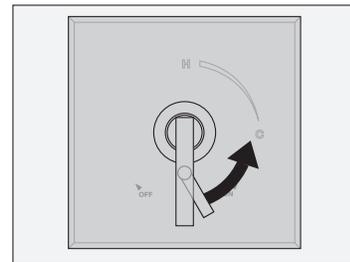


Operation (Diverter Control)

1) Turn diverter lever left for tub spout operation.



2) Turn diverter lever right for hand shower operation.



Troubleshooting Chart

Troubleshooting Chart		
Finish is spotting.	Elements in water supply may cause water staining on finish.	Clean finished trim area with a soft cloth using mild soap and water or a non-abrasive cleaner and then quickly rinse with water.

For California Residents

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.