

# **SPEAKMAN®**

SLV-5450

## **Installation, Operation & Maintenance Instructions**

SENTINELPRO™ COMBINATION SERIES

### **DESCRIPTION**

Speakman SentinelPro™ Combination, SLV-5450 includes: Trim with integral Volume Control / Diverter Handle (CPT-5401), Hand Shower with Flow Control (VS-100-PC), Supply Ell with Wall Flange (VS-115), In-line Vacuum Breaker (VS-117), 30in Slide Bar (VS-123), Tub Spout (S-1554), and 69in Metal (SS) Hose. This combination does not include the Shower Valve.

### **TP-DV**

This combination should be installed with one of the following  
Speakman SentinelPro™ Thermostatic/Pressure Balance Diverter Shower Valves

**CPV-TP-DV:** Thermostatic/Pressure Balance Diverter Shower Valve  
Sweat & Thread Connections

**CPV-TP-DV-PXC:** Thermostatic/Pressure Balance Diverter Shower Valve  
PEX F1807 Crimp Inlet Connections

**CPV-TP-DV-PXE:** Thermostatic/Pressure Balance Shower Valve  
PEX F1960 Cold-Expansion Inlet Connections

### **SPECIFICATIONS**

#### **CPT-5401 T/P DIVERTER VALVE TRIM:**

FINISH: Polished Chrome

COMPLIANCE: ASME A112.18.1 / CSA B125.1 Standard

#### **VS-100-PC HAND SHOWER WITH FLOW CONTROL:**

CONNECTIONS: ½" NPSM Male Inlet

FLOW RATE: 2.5 gpm (9.5 L/min)

FINISH: Polished Chrome

COMPLIANCE: ASME A112.18.1 / CSA B125.1 Standard

#### **VS-115 SUPPLY ELL WITH WALL FLANGE:**

CONNECTIONS: ½" NPT Female Inlet; ½" NPSM Male Outlet

FINISH: Polished Chrome

#### **VS-117 IN-LINE VACUUM BREAKER:**

CONNECTIONS: ½" NPSM Female Inlet; ½" NPSM Male Outlet

FINISH: Polished Chrome

COMPLIANCE: ASSE 1014 Standard

#### **VS-123 30in SLIDE BAR:**

FINISH: Polished Chrome

#### **S-1554 TUB SPOUT:**

CONNECTIONS: ½" NPT Female Inlet

FINISH: Polished Chrome

**SPEAKMAN®**

400 Anchor Mill Rd. New Castle, DE 19720 Phone: 800-537-2107 Fax: 800-977-2747

07/31/18

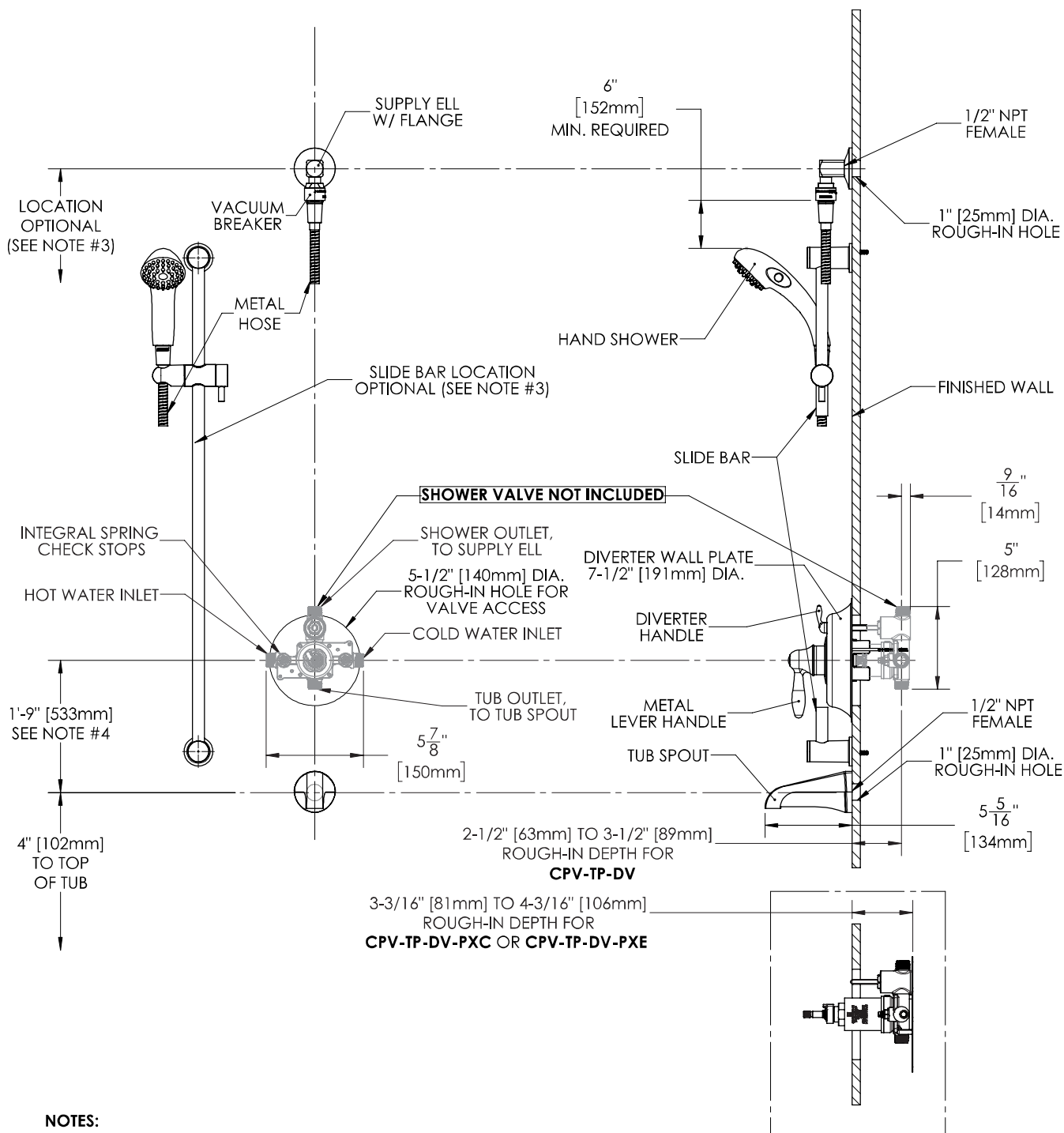
www.speakman.com

92C-SLV-5450-01

# INSTRUCTIONS

See individual products for installation of the components and warranty information.

## ROUGH-IN



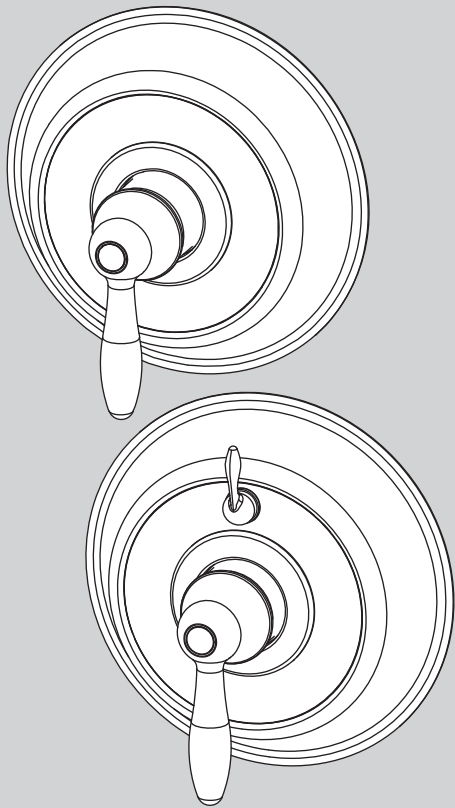
### NOTES:

1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] UNLESS OTHERWISE SPECIFIED AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.
2. ALL INLETS AND OUTLETS ARE 1/2" FEMALE COPPER SWEAT AND 1/2" MALE NPT UNLESS OTHERWISE SPECIFIED.
3. THE LOCATIONS OF THE SLIDE BAR AND SUPPLY ELL ARE OPTIONAL, BUT RESTRICTED BY THE 69" HOSE LENGTH RUNNING FROM THE SUPPLY ELL CONNECTION TO THE HAND SHOWER AND THE 6" MINIMUM REQUIREMENT BETWEEN THE IN-LINE VACUUM BREAKER AND TOP OF THE HAND SHOWER (HAND SHOWER ADJUSTED TO HIGHEST POSITION).
4. FOR ADA MOUNTING LOCATIONS CONSULT ADAAG, ANSI A117.1, OR STATE REGULATIONS.

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## INSTRUCTIONS FOR MODELS

CPT-5001 / CPT-5401



### NEED HELP?

For additional assistance or service please contact:

**SPEAKMAN®** Company  
400 Anchor Mill Road  
New Castle, DE 19720

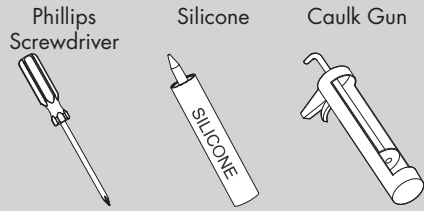
800-537-2107

customerservice@speakman.com

www.speakman.com

92-CPT-5001-01

## TOOLS AND SUPPLIES



### IMPORTANT



- Do not over-tighten any connections or damage may occur.
- Be sure to read instructions thoroughly before beginning installation.
- This valve has an operating range of 20-80 psi.

### SAFETY TIPS

Cover your drain to prevent loss of parts. Be sure to wear eye protection while cutting pipe.

### MAINTENANCE

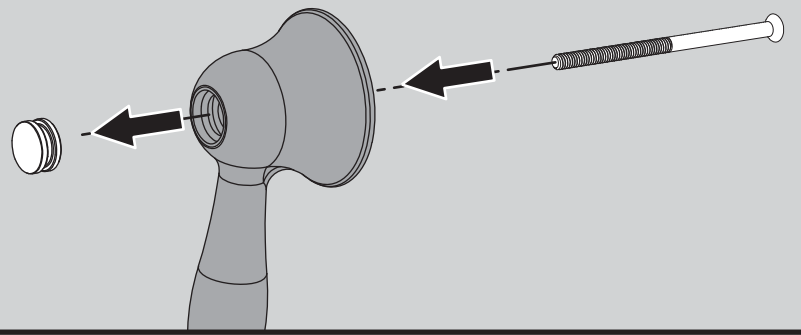
Your new Speakman Product is designed for years of trouble-free performance. Keep it looking new by cleaning it periodically with a soft cloth. The use of harsh chemicals and abrasives on any of the Speakman custom finish products may damage the finish and void the product warranty. Please be sure to only use approved cleaners. Please contact Speakman for any clarification of acceptable cleaners.

### WARRANTY

Additional warranty information can be found at:  
www.speakman.com

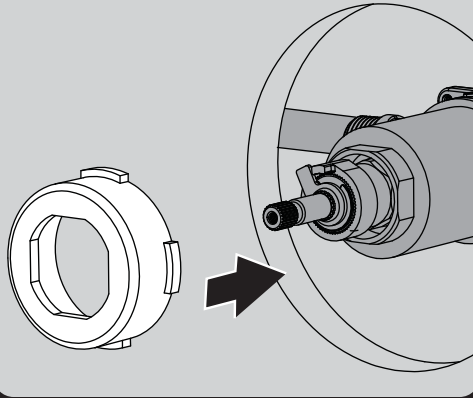
1

Remove the Handle Button Screw by inserting one of the included Mounting Screws thru the hole in the Handle.



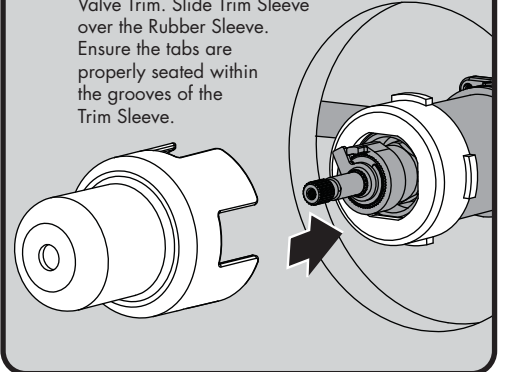
2

Insert the T/P Rubber Sleeve with Tabs over Valve Bonnet.



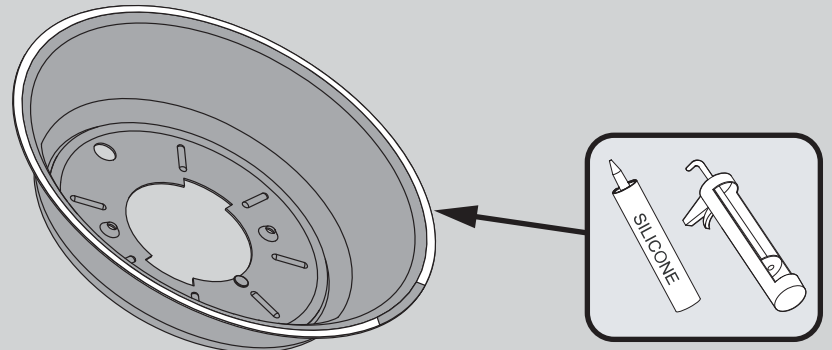
3

Be sure to have properly adjusted the Temperature Limiting Stop (TLS) as per the Valve Installation Instructions before installing Valve Trim. Slide Trim Sleeve over the Rubber Sleeve. Ensure the tabs are properly seated within the grooves of the Trim Sleeve.



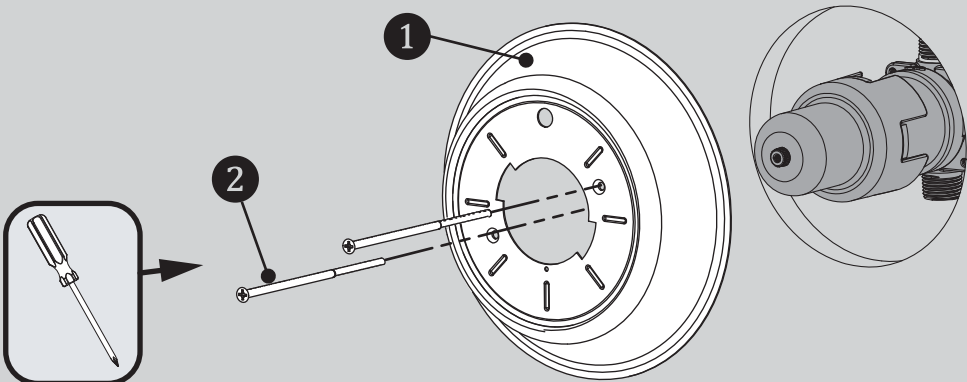
4

Clean wall surface. Orient Wall Plate as shown below. Apply clear silicone sealant to the backside outer flat surface of the Wall Plate, while leaving a small area open at the bottom. This will allow for any moisture to drain.



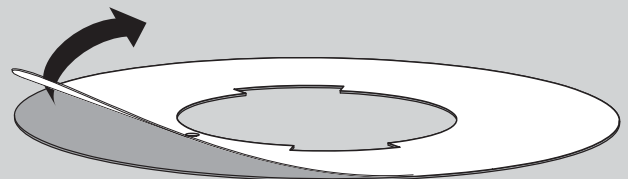
5A

**FOR CPT-5001** - Align the Wall Plate (1) as shown below. Secure to Valve with the included Mounting Screws (2). Take care to not over tighten Mounting Screws. Remove excess sealant after securing Wall Plate to wall.



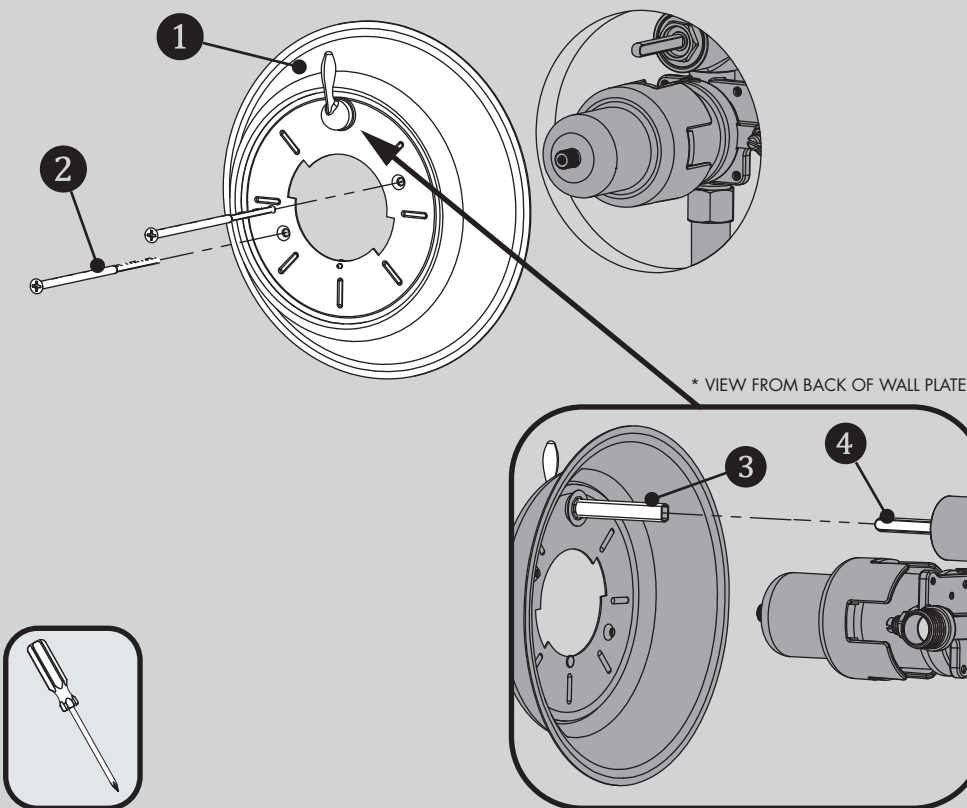
6

Remove protective film from Trim Index Plate.



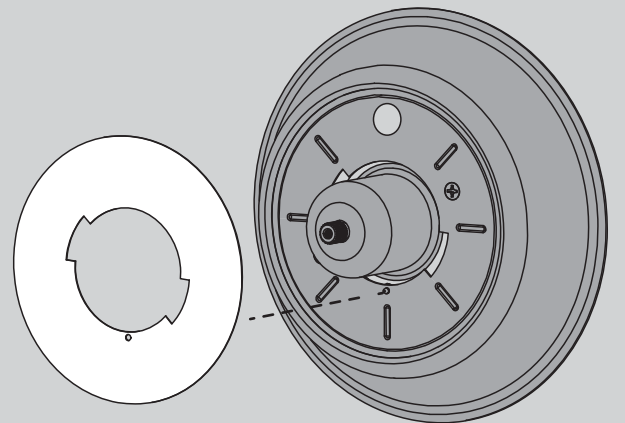
5B

**FOR CPT-5401** - Align the Wall Plate (1) as shown below. Verify the Diverter Valve Stem is in the OFF (vertical) position. Align the Diverter Drive Tube (3) on the Wall Plate to the Stem (4) of the Diverter Valve. Secure to Valve with the included Mounting Screws (2). Take care to not over tighten Mounting Screws. Remove excess sealant after securing Wall Plate to wall.



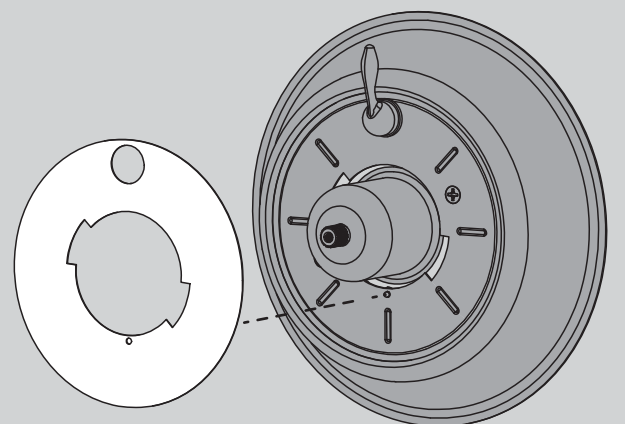
7

**CPT-5001:** Slide Index Plate over the Trim Sleeve. Align Index Plate with the small Alignment Pin on the Wall Plate, and hold Index Plate in place for the next step.



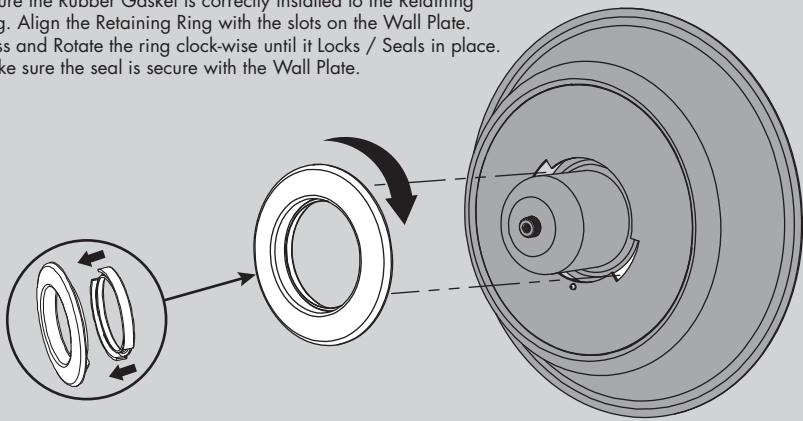
OR

**CPT-5401:** Slip the upper hole of the Index Plate over the Diverter Handle and then align the large hole of the Index Plate over the Trim Sleeve. Align Trim Index Plate with the small Alignment Pin on the Wall Plate, and hold Index Plate in place for the next step.



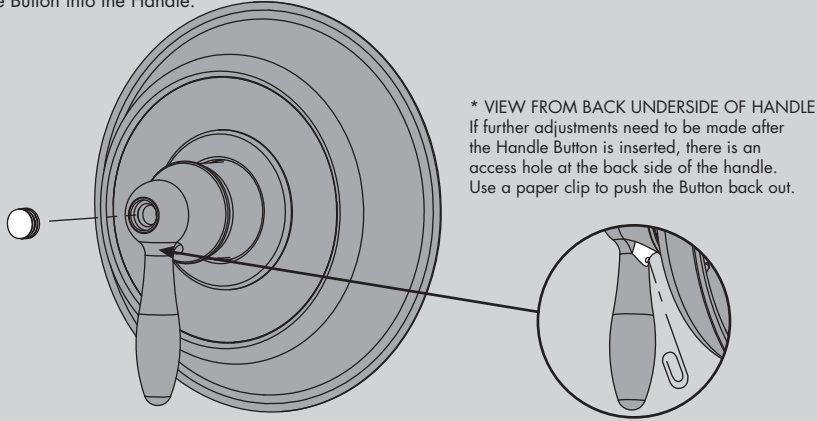
8

Ensure the Rubber Gasket is correctly installed to the Retaining Ring. Align the Retaining Ring with the slots on the Wall Plate. Press and Rotate the ring clock-wise until it Locks / Seals in place. Make sure the seal is secure with the Wall Plate.



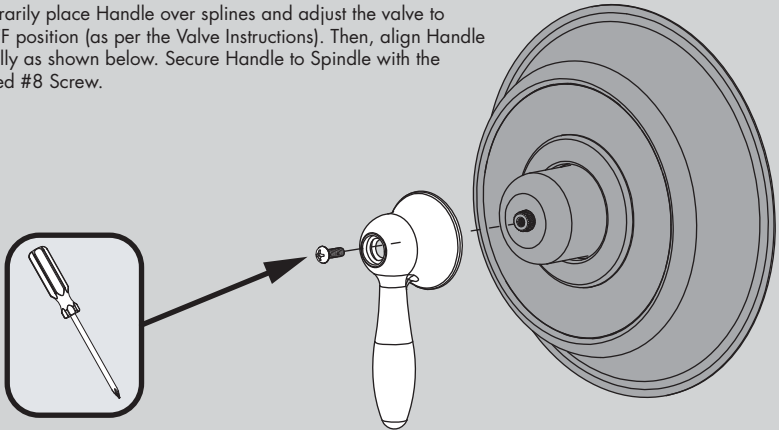
10

Insert Handle Button into the Handle.



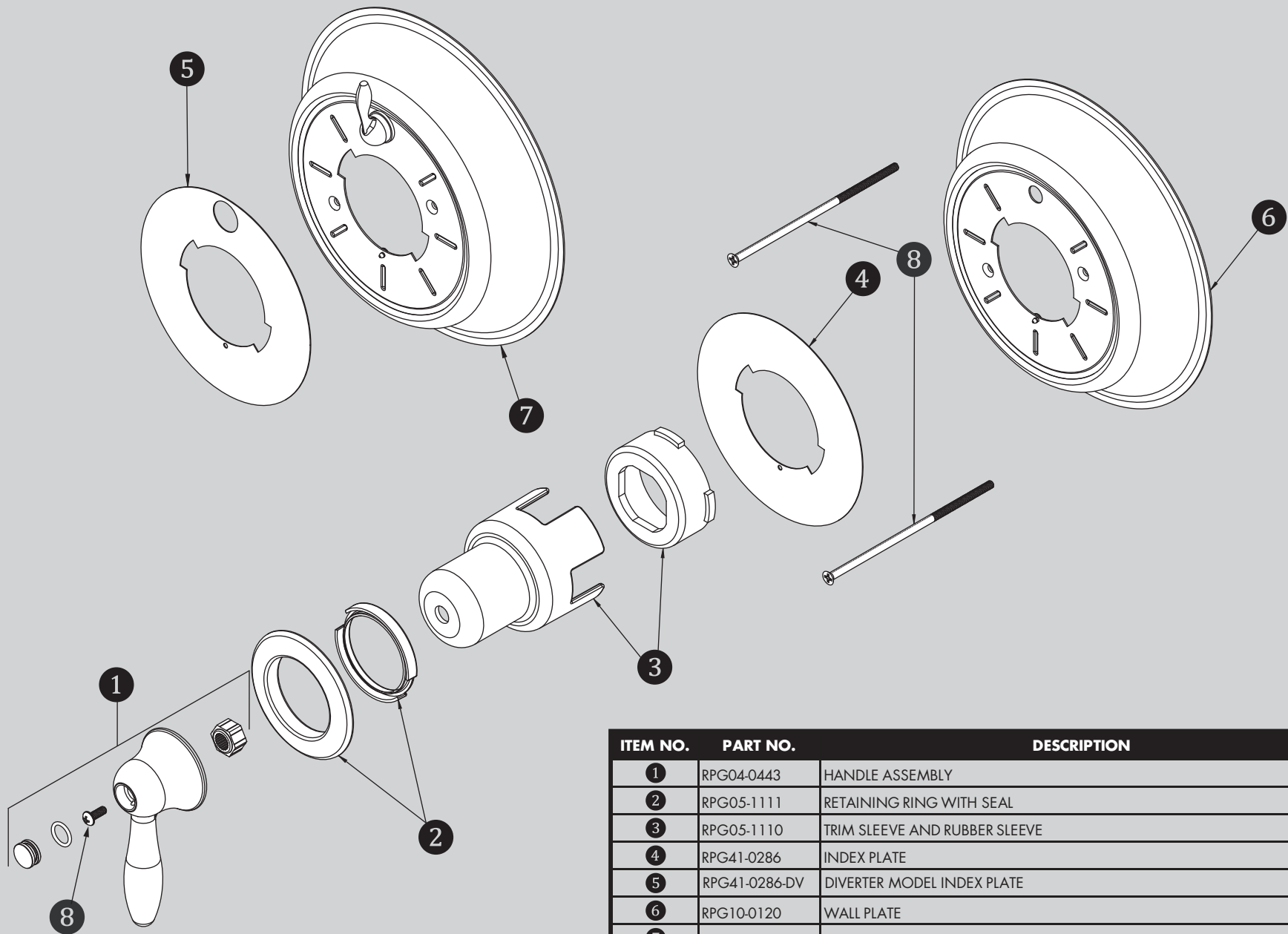
9

Temporarily place Handle over splines and adjust the valve to the OFF position (as per the Valve Instructions). Then, align Handle vertically as shown below. Secure Handle to Spindle with the included #8 Screw.



CPT-5001 / CPT-5401 REPAIR PARTS

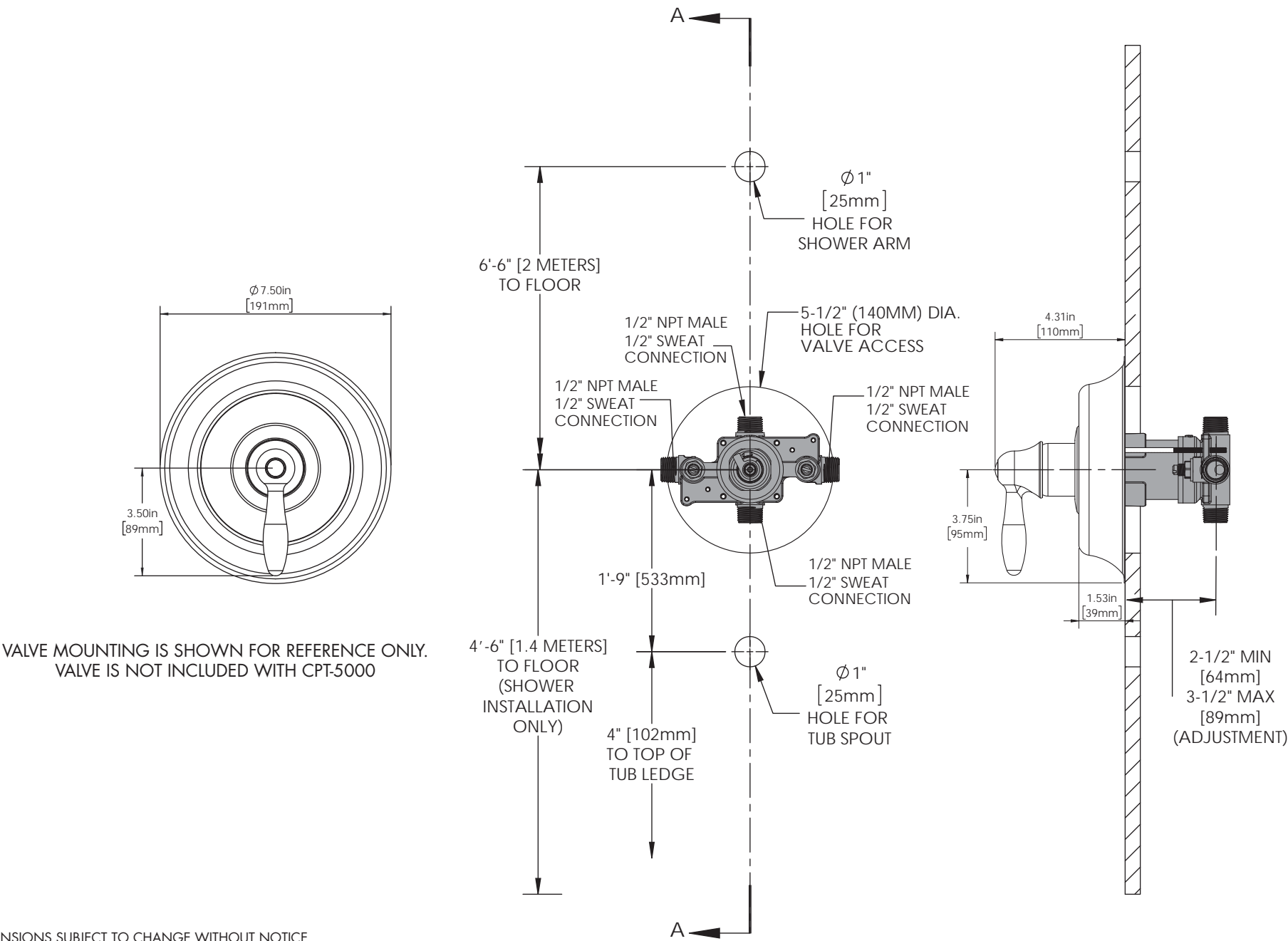
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| ITEM NO. | PART NO.      | DESCRIPTION                    |
|----------|---------------|--------------------------------|
| 1        | RPG04-0443    | HANDLE ASSEMBLY                |
| 2        | RPG05-1111    | RETAINING RING WITH SEAL       |
| 3        | RPG05-1110    | TRIM SLEEVE AND RUBBER SLEEVE  |
| 4        | RPG41-0286    | INDEX PLATE                    |
| 5        | RPG41-0286-DV | DIVERTER MODEL INDEX PLATE     |
| 6        | RPG10-0120    | WALL PLATE                     |
| 7        | RPG10-0121    | WALL PLATE WITH DIVERTER       |
| 8        | RPG10-0119    | MOUNTING HARDWARE (ALL SCREWS) |

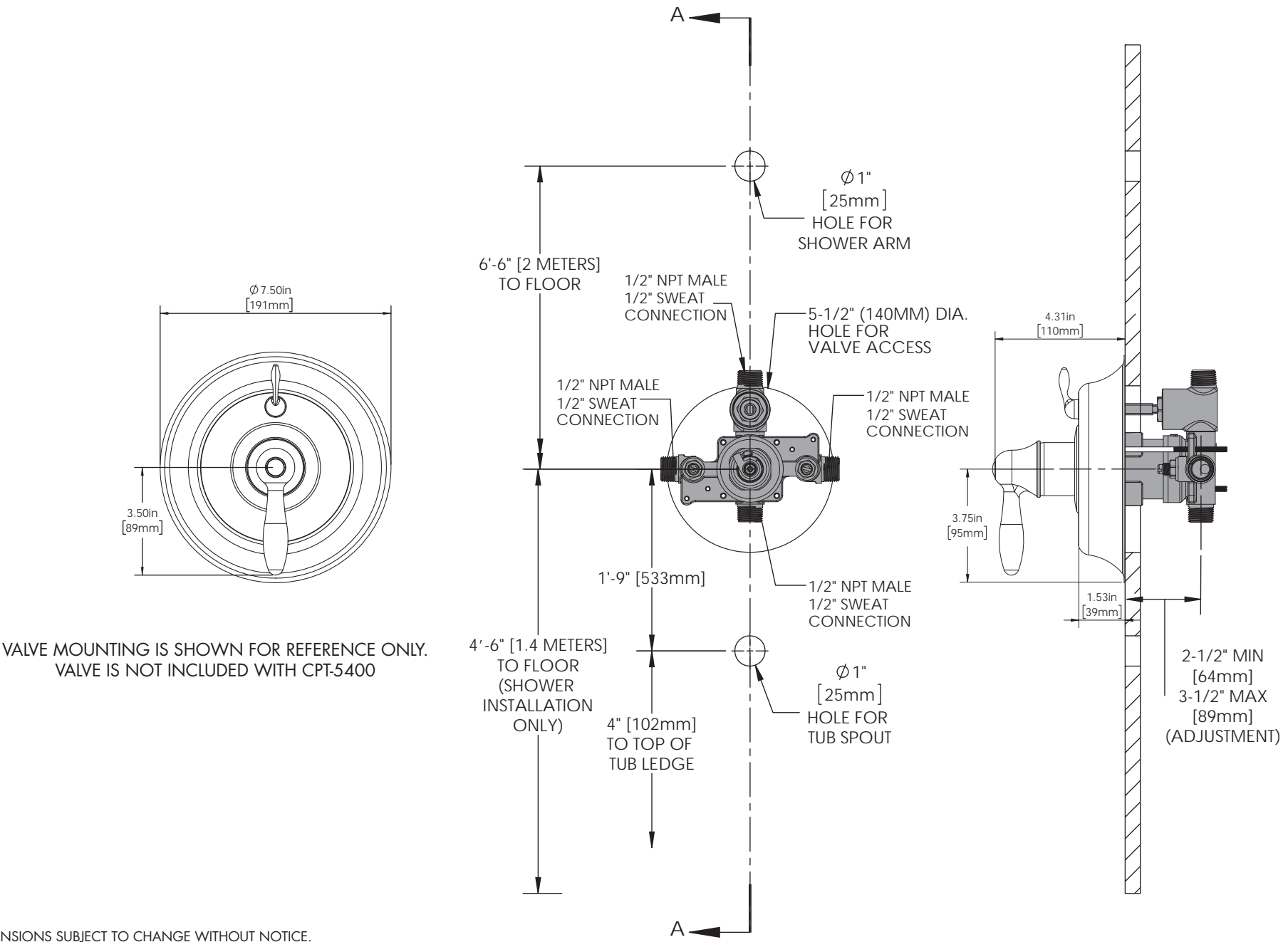
CPT-5001 ROUGH-IN DIAGRAM

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CPT-5401 ROUGH-IN DIAGRAM

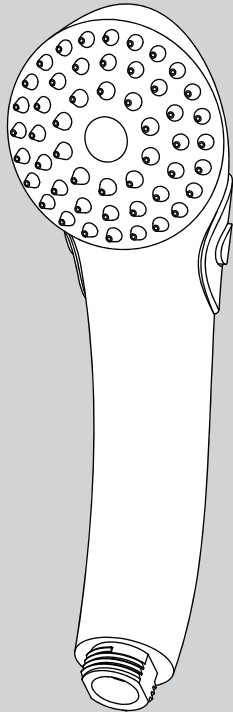
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## INSTRUCTIONS FOR MODELS


VS-100-PC  
VS-100-PC-E2  
VS-100-PC-E175



### NEED HELP?

For additional assistance or service please contact:

**SPEAKMAN®** Company  
400 Anchor Mill Road  
New Castle, DE 19720

 800-537-2107

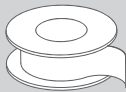
 customerservice@speakman.com

 www.speakman.com

92-VS-100-PC-04

## TOOLS AND SUPPLIES

Thread Seal  
Tape  
(included)



### IMPORTANT



Be sure to read instructions thoroughly before beginning installation. Do not overtighten any connections or damage may occur. This hand shower has an optimal operating range of 20-80 psi.

### SAFETY TIPS



Cover your drain to prevent loss of parts.

### MAINTENANCE



Periodic cleaning using a mild soap and warm water will help keep your Hand Shower's appearance in its original condition.

For best results, dry immediately with a soft, clean cloth. **DO NOT USE** harsh and/or abrasive cleaners.

On CHROME PLATED HAND SHOWERS, a two (2) part white vinegar, one (1) part water solution can be used to break down excessive mineral deposits on the sprays. Let the hand shower soak in the solution for about ½ hour then rinse thoroughly. Brush off any remaining mineral deposits if necessary.

**DO NOT USE** the vinegar/water treatment on any finish other than Chrome.

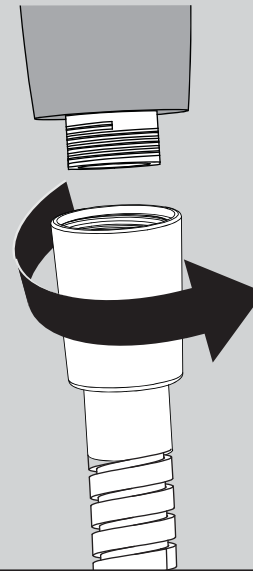
### WARRANTY



Additional warranty information can be found at:  
[www.speakman.com](http://www.speakman.com)

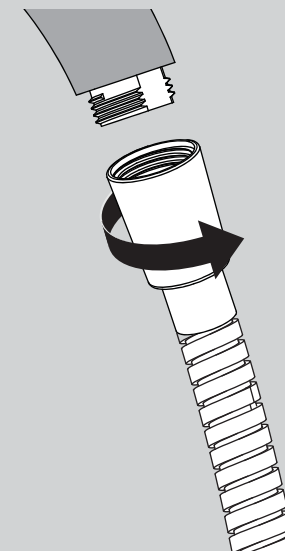
1

Connect the correct side of your hose (not included) to the water supply. Hand tighten.



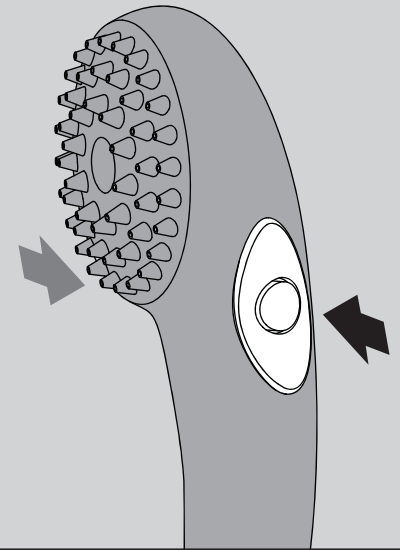
2

Connect remaining end of Hose to inlet of Hand Shower. Hand tighten. If there are leaks at the hose connections, look into using thicker washers to ensure a tight seal.

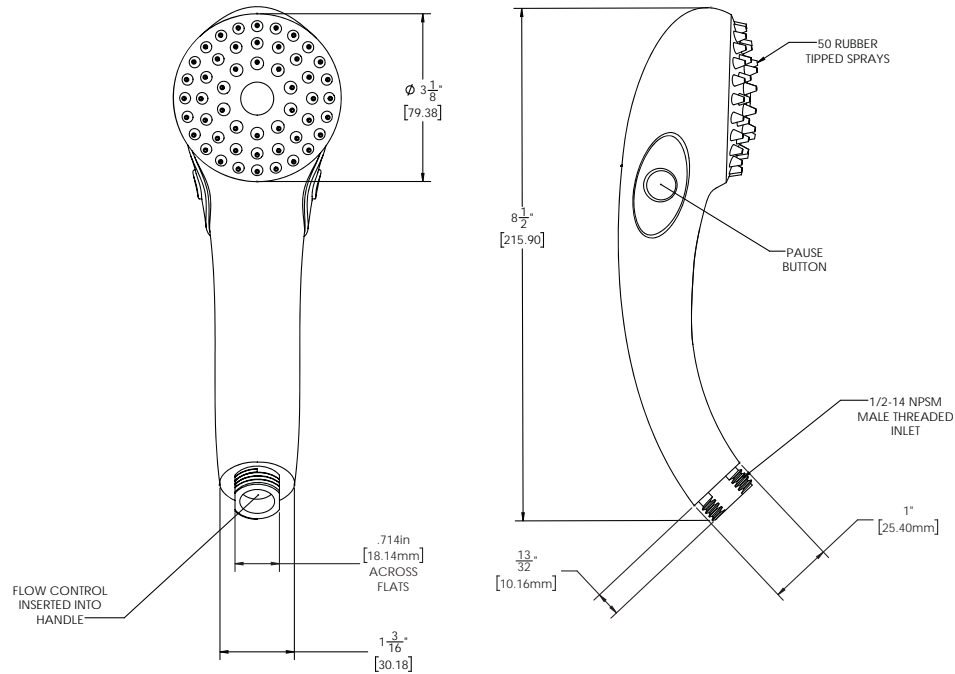


3

To pause the flow of water, press the integral thumb operated pause/trickle button located on the side of the hand shower. To return the hand held shower to full flow, press the shuttle button from the opposite side.



## ROUGH IN DIMENSIONS



### VS-100-PC

Max. Flow Rate: 2.5 gpm (9.5L/min)

Min. Flow Rate: 2.0 gpm (7.6 L/min) @ 45psi

FOR USE WITH AUTOMATIC COMPENSATING VALVES  
RATED AT 7.6 L/MIN (2.0 GPM) OR LESS.

### VS-100-PC-E2

Max. Flow Rate: 2.0 gpm (7.6 L/min)

Min. Flow Rate: 1.5 gpm (5.7 L/min) @ 45psi

FOR USE WITH AUTOMATIC COMPENSATING VALVES  
RATED AT 6.6 L/MIN (1.75 GPM) OR LESS.

### VS-100-PC-E175

Max. Flow Rate: 1.75 gpm (6.6 L/min)

Min. Flow Rate: 1.3 gpm (4.9 L/min) @ 45psi

FOR USE WITH AUTOMATIC COMPENSATING VALVES  
RATED AT 5.7 L/MIN (1.5 GPM) OR LESS.

# **SPEAKMAN COMPANY**

## **VS-115 Installation, Maintenance & Operation Instructions**

### **VERSATILE® SUPPLY ELL**

#### **DESCRIPTION**

VERSATILE® chrome plated brass supply ell with wall flange.

#### **SPECIFICATIONS**

SUPPLY INLET: ½" NPT FEMALE  
OUTLET: ½" NPSM MALE  
SHIPPING WEIGHT: 0.4 LBS.

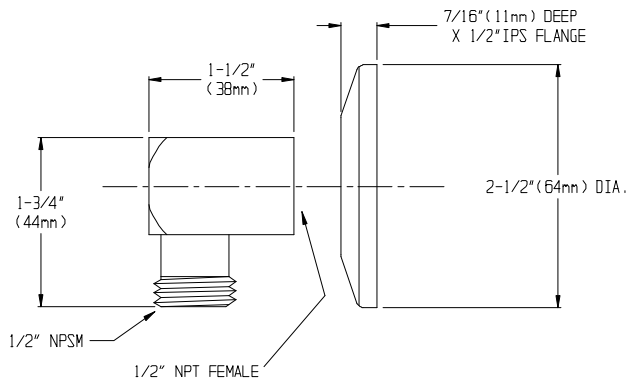
#### **INSTALLATION**

Slip the wall flange on to the inlet pipe. Using teflon tape or pipe dope on threads, screw ell onto pipe and wrench tighten. Connect accessories to supply ell and firmly hand tighten. Turn water supply on and check for leaks.

#### **MAINTENANCE**

The gleaming finish of your SPEAKMAN VERSATILE® VS-115 supply ell can be cleaned by using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.

#### **ROUGH-IN MEASUREMENTS**



Product improvements may cause specification and dimensional changes without notice.



# **SPEAKMAN COMPANY**

## **VS-117 Installation, Maintenance & Operation Instructions**

### **VERSATILE® VACUUM BREAKER**

#### **DESCRIPTION**

VERSATILE® chrome plated brass in-line vacuum breaker.

#### **SPECIFICATIONS**

SUPPLY INLET: 1/2" NPSM FEMALE

OUTLET : 1/2" NPSM MALE

SHIPPING WEIGHT: XXX LBS.

#### **INSTALLATION**

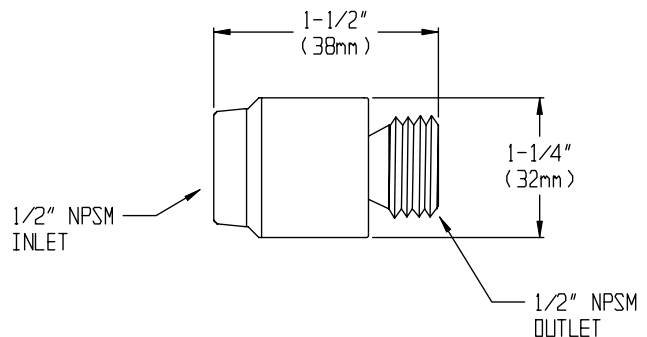
Connect, using rubber washer, to supply piping. Connect accessories to vacuum breaker. Firmly hand tighten connection. Turn water supply on and check for leaks.

Note: Do not install VS-117 in concealed locations or where spillage under certain service conditions might cause water damage. Avoid continuous pressure applications (shut off valve downstream of the vacuum breaker).

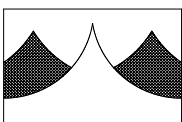
#### **MAINTENANCE**

The gleaming finish of your SPEAKMAN VERSATILE® VS-117 vacuum breaker can be cleaned by using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.

#### **ROUGH-IN MEASUREMENTS**



Product improvements may cause  
specification and dimensional  
changes without notice.

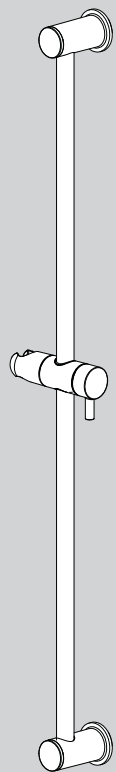


**SPEAKMAN COMPANY**  
The Quality Leader Since 1869  
P.O. Box 191, Wilmington, DE 19899-0191 USA  
1-800-537-2107, Fax: 1-800-977-2747

04/00  
92-1783

INSTRUCTIONS FOR MODELS

VS-123  
VS-124



NEED HELP?

For additional assistance or service please contact:

**SPEAKMAN®** Company  
400 Anchor Mill Road  
New Castle, DE 19720

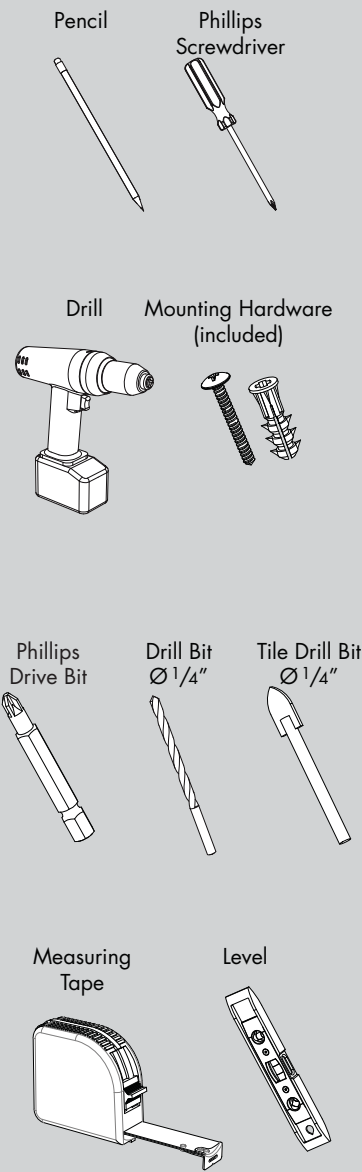
800-537-2107

customerservice@speakman.com

www.speakman.com

92-VS-12X-01

TOOLS AND SUPPLIES



IMPORTANT



- Do not over-tighten any connections or damage may occur.
- Be sure to read instructions thoroughly before beginning installation.

SAFETY TIPS

- Cover your drain to prevent loss of parts. Be sure to wear eye protection.

MAINTENANCE



Your new Speakman Product is designed for years of trouble-free performance. Keep it looking new by cleaning it periodically with a soft cloth. The use of harsh chemicals and abrasives on any of the Speakman custom finish products may damage the finish and void the product warranty. Please be sure to only use approved cleaners. Please contact Speakman for any clarification of acceptable cleaners.

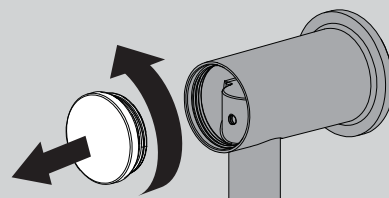
WARRANTY



Warranty information can be found at:  
[www.speakman.com](http://www.speakman.com)

1

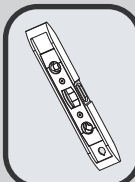
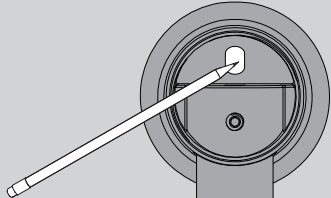
Remove End Caps from both ends of Slide Bar assembly.



X2

2

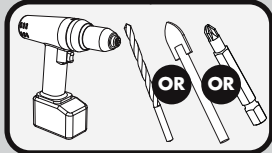
Place Slide Bar Assembly on to wall in the desired mounting position. Take care that the Slide Bar is oriented in a vertical position. Using a pencil, mark the 2 hole locations.



3

If mounting directly to wood stud, Plastic Anchors are not required. If mounting to drywall or tile, select appropriate 1/4" drill bit and drill guide holes at marked locations.

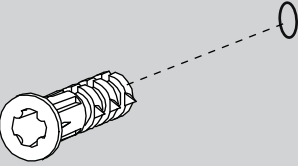
Ø 1/4"



X2

4

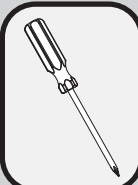
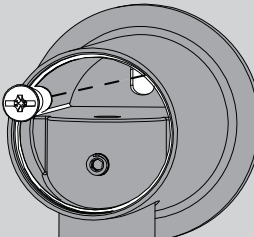
Insert Plastic Anchors into drilled holes and press/tap into place until the head is flush to the wall surface. (Note: Plastic Anchors provided may not be suitable for all types of wall construction, seek professional help if in doubt).



X2

5

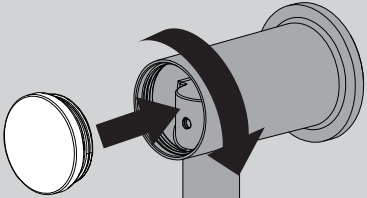
Secure Slide Bar Assembly to the wall with the Mounting Screws provided.



X2

6

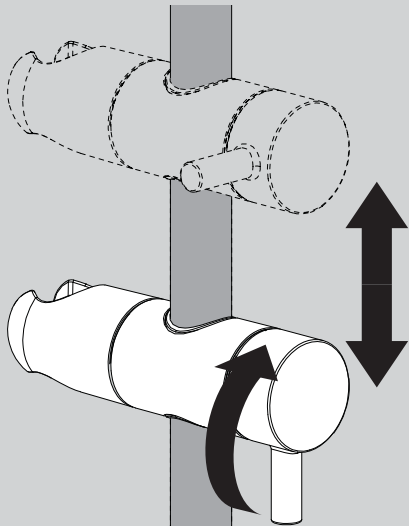
Re-install End Caps on both ends of Slide Bar assembly.



X2

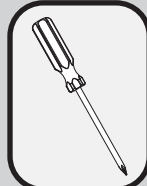
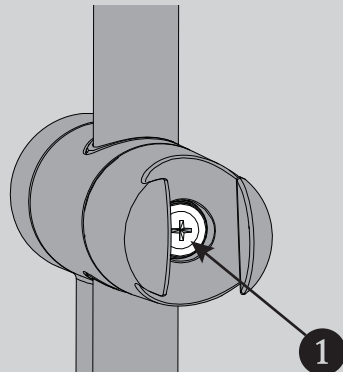
7

Orient the Hand Held Shower Bracket to your desired position. Adjustments are made by rotating the Handle counter-clockwise to release the position, and clockwise to lock into the desired position.



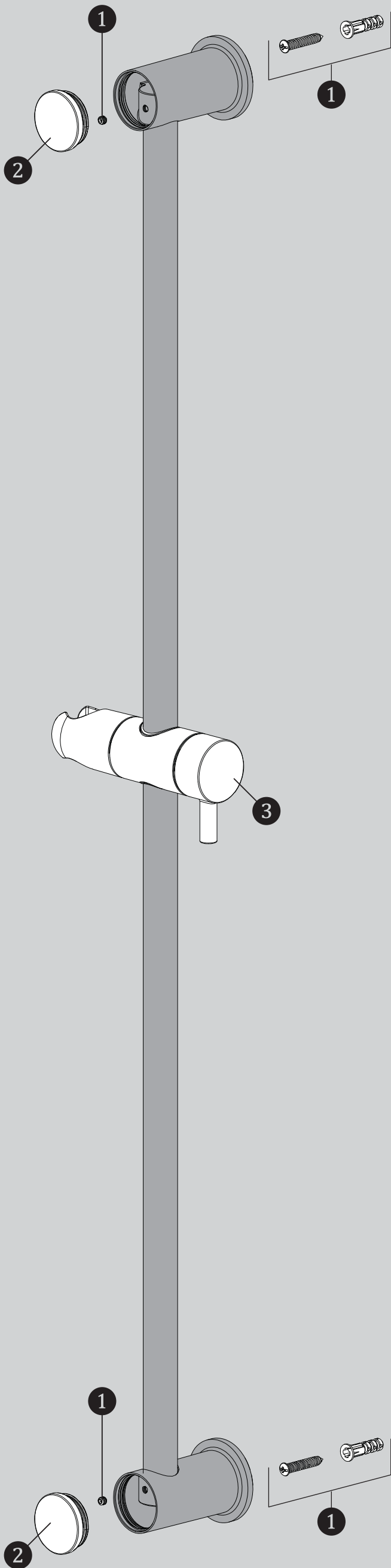
8

Note: If the Hand Shower Holder no longer holds position, Tighten the Screw (1) in the Shower Holder using a Philips Head Screwdriver.



VS-123 / VS-124 REPAIR PARTS

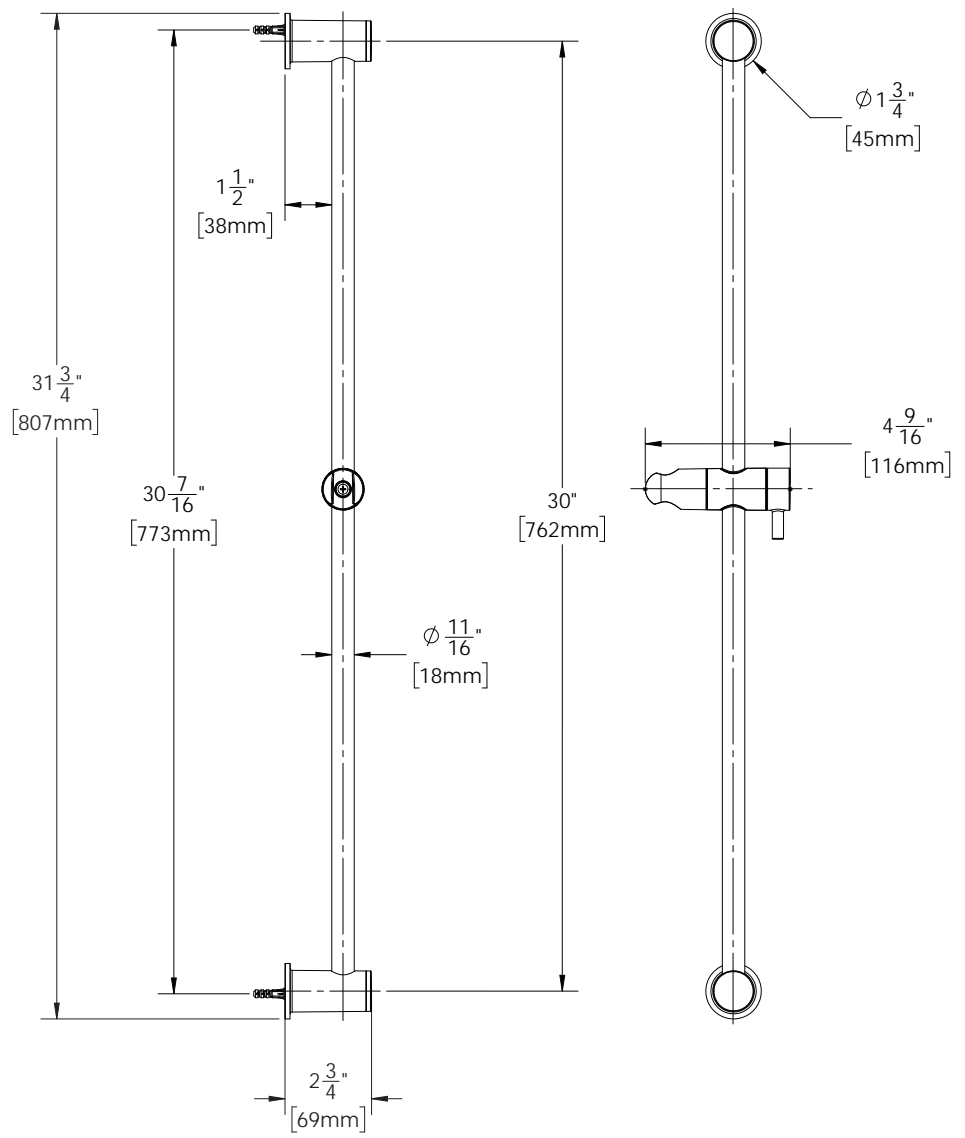
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| ITEM NO. | PART NO.     | DESCRIPTION          |
|----------|--------------|----------------------|
| 1        | RPG05-108526 | MOUNTING HARDWARE    |
| 2        | RPG07-108527 | END CAP REPAIR GROUP |
| 3        | RPG56-108517 | HAND SHOWER HOLDER   |

VS-123 ROUGH-IN DIAGRAM

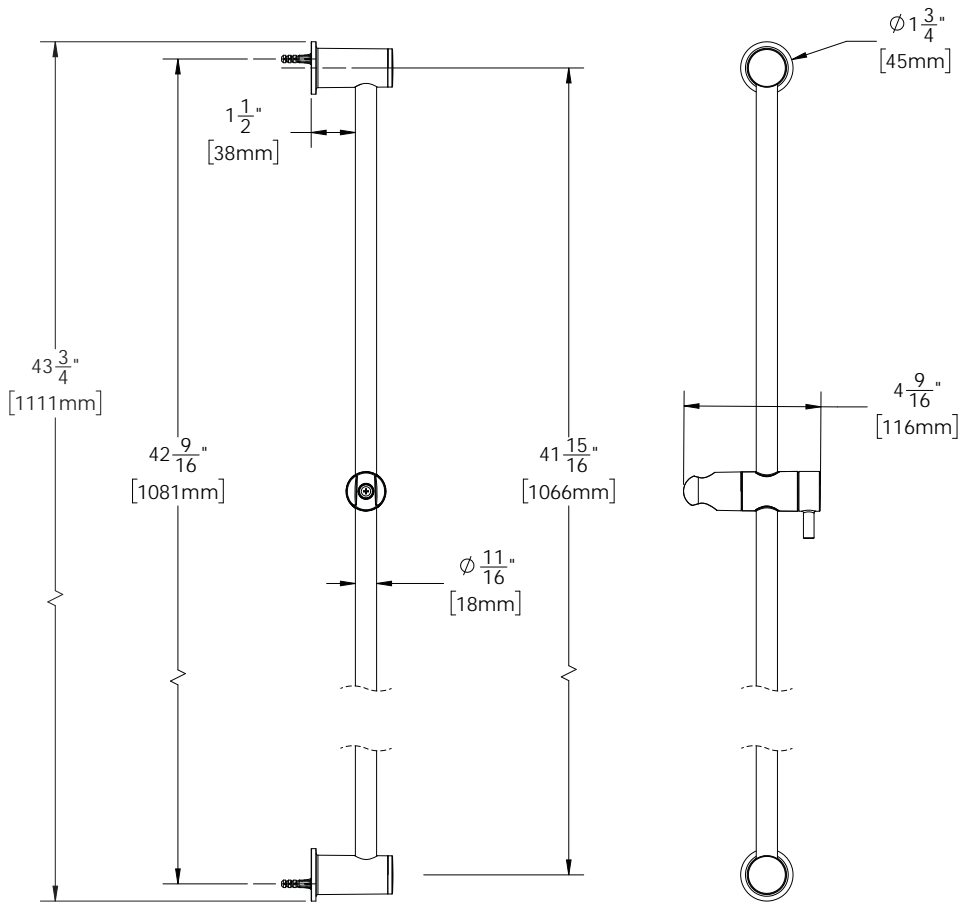
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DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.

VS-124 ROUGH-IN DIAGRAM

SPEAKMAN®



DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.

# **SPEAKMAN COMPANY**

## **S-1554 Installation, Maintenance & Operation Instructions**

### **TUB SPOUT**

#### **DESCRIPTION**

Speakman polished chrome plated metal tub spout.

#### **SPECIFICATIONS**

1/2" NPT FEMALE INLET

SHIPPING WEIGHT: XXX LBS.

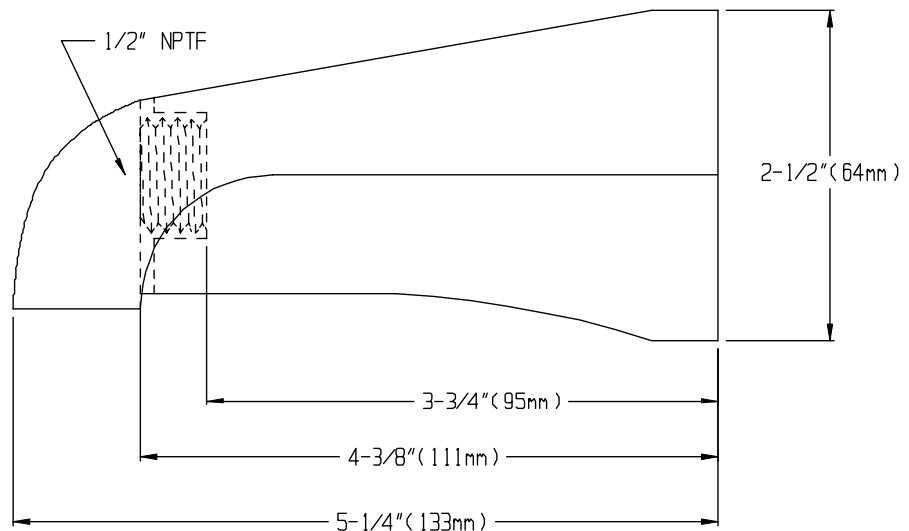
#### **INSTALLATION**

Apply teflon tape or pipe dope to male threads and thread spout onto piping. Wrench tighten carefully. Check all connections for leaks.

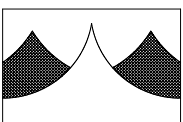
#### **MAINTENANCE**

The gleaming finish of your SPEAKMAN tub spout can be cleaned by using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.

#### **ROUGH-IN MEASUREMENTS**



Product improvements may cause  
specification and dimensional  
changes without notice.



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