

# SPEAKMAN COMPANY

## SC-3001 thru SC-3049 Installation, Operation, & Maintenance Instructions COMMANDER® WIDESPREAD LAVATORY COMBINATION

### DESCRIPTION

Speakman polished chrome plated COMMANDER widespread lavatory combination with PERFECT® valves. 1/4 turn ceramic cartridges covered by a 25 year Silver warranty. Vandal-resistant handles with color-coded indexes. Brass gooseneck (**swivel or rigid**) or brass cast spout. Hard pipe installation. Accommodates decks/counter tops up to 1-1/2" thick. Vandal-resistant water conserving aerated outlet device reduces flow to 2.2 GPM/8.4 LPM to meet existing ASME A112.18.1/CSA B125.1 Standard.

### SPECIFICATIONS

SUPPLY: 1/2"-14 NPSM Compression Coupling or 1/2" Copper Sweat Connections

FLOW RATE: 2.2 GPM/8.4 LPM (MAX)

SHIPPING WEIGHT: 5.5 LBS. (SC-3004-LD)

### OPTIONS

◇ BO – Vandal-Resistant 0.5 gpm Flow Control Device	◇ LF – Vandal-Resistant Laminar Flow Control Device (2.2 gpm)	◇ VB6 – 6" Deep Spread Rigid Gooseneck Spout with Vacuum Breaker
◇ FC – Laminar Flow Plain End Gooseneck Spout (2.0 gpm)	◇ GB – Vandal-Resistant 1.5 GPM Aerator Outlet Device	◇ VB8 – 8" Deep Spread Rigid Gooseneck Spout with Vacuum Breaker
◇ D75 – Diamond 75 Escutcheons and Handles	◇ SO – Rose Spray Outlet Device (Gooseneck Spout Only)	◇ 4 – 3-3/4" Deep Spread Gooseneck Spout
◇ CWO- Cold Water Only ( <b>Only available w/ FH Option</b> )	◇ TWI – Tee w/Extra Inlet Port ( <b>Only available w/ FH Option</b> )	◇ 8 – 8" Deep Spread Gooseneck Spout
◇ HS – Hose & Spray ( <b>Only available w/ FH Option</b> )	◇ ST – Serrated Tip ( <b>For VB6/8 only</b> )	◇ 9 – 9" Deep Tubular Swing Spout
◇ LD – Less Drain	◇ SW – Swivel Spout ( <b>For VB6/8 only</b> )	◇ 12 – 12" Deep Tubular Swing Spout
◇ MI – Metal Indexes	◇ FH – Stainless Steel Flex Hoses ( <b>For Adjustable Centers from 6" – 12"</b> )	◇

### INSTALLATION INSTRUCTIONS

**Important- if installing an optional VB8/6 Rigid vacuum breaker spout and space is limited between deck fitting holes and backsplash/wall, install the spout to the flange assembly at this time (See Step 6)**

- 1) Remove the compression nut from the outlets of the end body valves. Remove the compression sleeves and tee assembly from the tee assembly bag group. Slide one (1) compression nut and then one (1) compression sleeve over the copper pipe at both ends of the tee assembly. Bench assemble the tee to the Hot/Cold end body valves. Be sure to push the copper piping completely into the outlets of the valves. While holding the tee and compression sleeves in place, hand tighten the compression nuts to the end bodies. **Make sure the valves are perpendicular to the tee assembly.**
- 2) Insert and position the gooseneck flange or center spout with gasket down through the center hole of the sink or counter top. From under the sink, apply gooseneck flange/center spout hardware by sliding the spacer and channel washer onto the threaded shank. Screw the shank nut halfway, not completely, up the shank. **NOTE: Hole on top of gooseneck flange should face towards the front. Slot in flange gasket should face towards the back for lift rod hole applications.**
- 3) Loosen the setscrew and remove the end body valve flange nuts and rubber washers. Screw the locknuts and cup washers down on end body valves. From below the counter top, push the end body with tee assembly up through the outer holes in the sink or counter top. **NOTE: Blue colored end body (COLD) should be on the right side of tee assembly, Red colored end body (HOT) on the left.** Hand tighten the tee assembly's swivel nut to the shank of the gooseneck flange or center spout. While lifting the end body with tee assembly up by its spindles, replace the rubber washers and screw the flange nuts back onto the end body valves, with flat side up, till they are flush with the tops of the 1-1/8"-16 UN threads (**See Rough-In on back side of sheet**). Tighten the setscrew to lock the end body valve flange nuts into position. Let the end body with tee assembly rest on the flange nuts. From below, wrench tighten the gooseneck flange/center spout shank nut with channel washer/spacer, tee swivel nut, end body valve locknuts with cup washers, and two (2) tee compression nuts at the outlets of the end body valves to secure the entire unit and prevent leaks. **NOTE: DO NOT OVERTIGHTEN THE TEE SWIVEL NUT.**
- 4) Connect water supply lines to inlets (1/2"-14 NPSM male threads) of the end body valves and wrench tighten coupling nuts to prevent leaks.
- 5) From above the sink, screw trim onto end body valve assemblies and hand tighten. Slip trim sleeves onto spindles. Position handles and screw onto spindles. Position index buttons on handles and press into place. If applicable, assemble gooseneck to flange assembly by wrench tightening gooseneck collar nut. **NOTE: For rigid gooseneck, place locking washer from hardware bag group into flange outlet before assembling gooseneck.**
- 6) **For Rigid Vacuum Breaker Spout- VB6/8 (Less "SW" option):** Make sure the locking washer is removed from flange outlet. **IMPORTANT- Install rigid adapter into flange and wrench tighten (See Rough-In on back side of sheet).** Apply thread locker/sealant to the spout tapered pipe threads. Screw the spout into the adapter until the threads start to get snug. **NOTE: When positioning the spout, hold adapter hex with a wrench so flange does not rotate.** Tighten the spout at least 1/3 turn to the proper position (**Do not over tighten spout**). Remember that the thread locker/sealant will lock and seal the spout assembly in place.
- 7) With drain installed (**see drain instructions**), turn water supplies on and flush both hot and cold sides of faucet. If applicable, install outlet device. Check all connections for leaks.

## **DRAIN INSTALLATION INSTRUCTIONS**

### **POP-UP DRAIN:**

- 1) Unscrew guide plug from tee/tube. Remove lift plug, locknut, fibre washer, and rubber washer from guide plug. Apply sealant around underside of flange on guide plug. Insert guide plug through drain hole in sink and reassemble rubber washer, fibre washer, and locknut. Hand tighten locknut.
- 2) Insert fibre washer into tee/tube (Pipe sealant can also be used with washer). Assemble tee/tube to guide plug and tighten. Position ball rod hole so it faces back of lavatory and hold in place while wrench tightening guide plug locknut.
- 3) Insert lift plug, with the lower hole properly positioned for the ball rod, into guide plug. From under sink, insert o-ring into ball rod hole. Lube ball of ball rod with o-ring lube and insert into ball rod hole. Assemble ball rod nut and tighten.
- 4) Insert lift rod through hole in center flange or spout. From under sink, slip lift rod through two holes of adjustable lift lever and hand tighten thumbscrew. Slide one side of spring clip onto ball rod. Select the proper hole in lift lever and slip lever onto ball rod. Bend other side of clip onto ball rod and slide into the proper position.
- 5) Adjust lift rod in lift lever so that the top of the lift rod knob is  $\frac{3}{4}$ " from the top of the flange or spout when the drain is in the open position. Tighten the lift lever thumbscrew onto the lift rod.
- 6) Remove the tailpiece, apply thread sealant to the threads and reinstall back into the drain. Tighten the tailpiece and install the trap. Check drain system for leaks.

### **STRAINER DRAIN:**

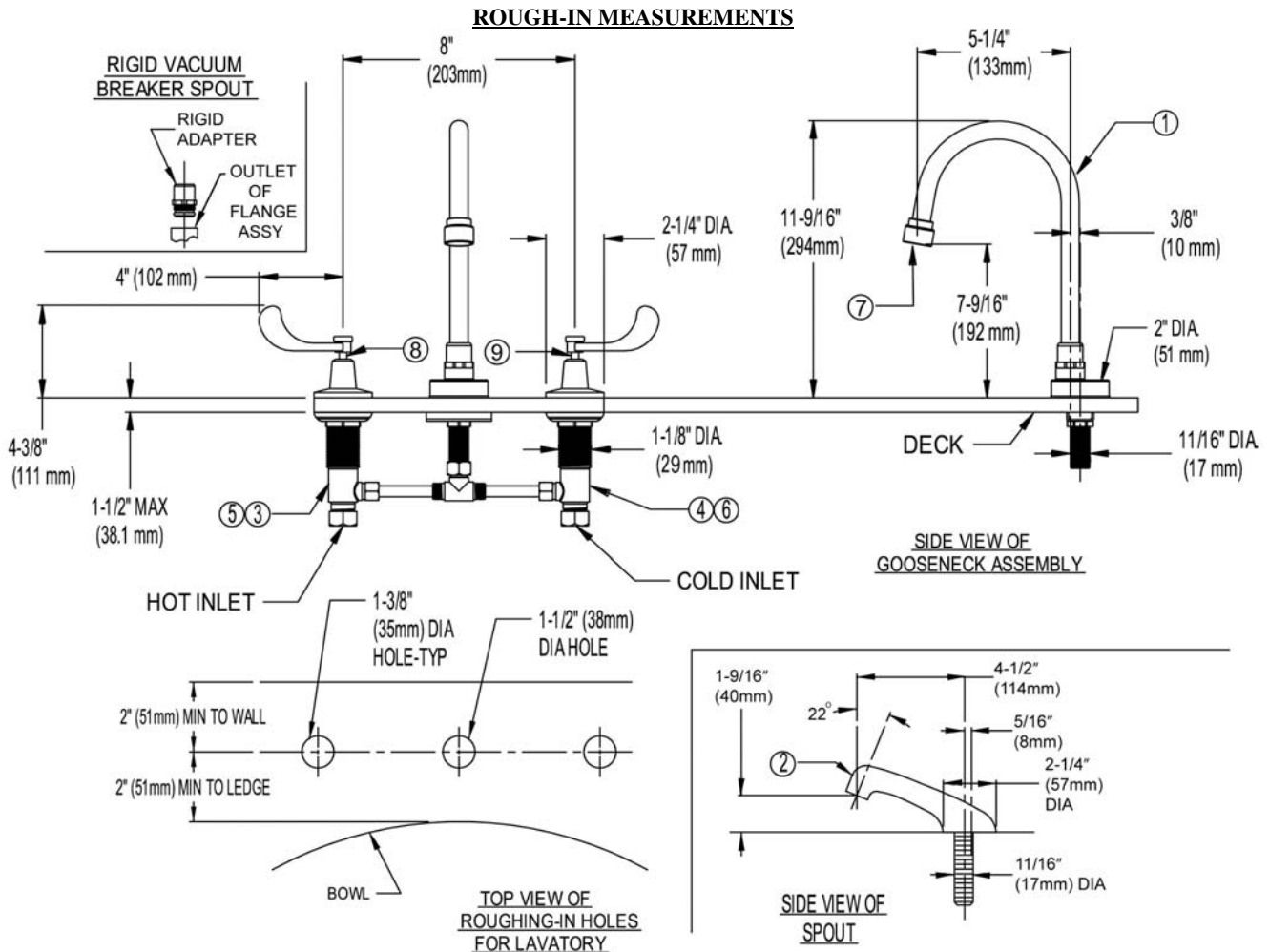
- 1) Screw the locknut all the way down on drain. Slide the fibre and rubber washers all the way down.
- 2) Remove top flange and apply sealant around underside of the flange. Properly position flange in sink and press into place. From under the sink, insert the tailpiece into the sink and screw into the top flange, while holding the flange in place. Hand tighten.
- 3) Again holding top flange in place, screw locknut up against the sink and wrench tighten. Install the trap and check drain system for leaks.

### **OPERATION**

Simply rotate the handles  $\frac{1}{4}$  turn maximum to operate the lavatory faucet.

### **MAINTENANCE (CARE and CLEANING)**

End body valves are washerless and require no routine maintenance. The gleaming finish of your SPEAKMAN Commander lavatory faucet can be cleaned by using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.



### **NOTES:**

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SPECIFIED AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.
2. LAVATORY INLETS ARE SIZED FOR EITHER COUPLING OR SWEAT CONNECTIONS.
3. SC-3004-LD ROUGH-IN PICTURED ABOVE.

## REPAIR/REPLACEMENT PARTS

ITEM NUMBERS	PART, GROUP, OR REPAIR GROUP NUMBER	DESCRIPTION
1	RPG18-0213-PC	5-1/4" SPREAD GOOSENECK SPOUT ASSEMBLY
2	G18-0253	CENTER SPOUT ASSEMBLY LESS LIFT ROD HOLE
3	RPG20-1895	END BODY ASSEMBLY (RED) W/ MOUNTING HARDWARE & HOSE ADAPTER (FV) <b>***USE IF PURCHASED BEFORE JANUARY 1, 2009***</b>
4	RPG20-1896	END BODY ASSEMBLY (BLUE) W/ MOUNTING HARDWARE & HOSE ADAPTER (FV) <b>***USE IF PURCHASED BEFORE JANUARY 1, 2009***</b>
5	RPG20-2011	END BODY ASSEMBLY (RED) W/ MOUNTING HARDWARE & HOSE ADAPTER <b>***USE IF PURCHASED AFTER JANUARY 1, 2009***</b>
6	RPG20-2012	END BODY ASSEMBLY (BLUE) W/ MOUNTING HARDWARE AND HOSE ADAPTER <b>***USE IF PURCHASED AFTER JANUARY 1, 2009***</b>
NOT SHOWN	G63-0061	FLEX HOSE ASSEMBLY <b>***USE IF PURCHASED BEFORE JANUARY 1, 2009***</b>
7	RPG05-0674-PC	2.2 GPM AERATOR ASSEMBLY WITH WRENCH
8	RPG05-0534	PERFECT VALVE GROUP (RED) W/ TRIM SLEEVE & SCREW
9	RPG05-0535	PERFECT VALVE GROUP (BLUE) W/ TRIM SLEEVE & SCREW
NOT SHOWN	66-0163	FLEX HOSE ASSEMBLY (FOR FH OPTION ONLY) <b>***USE IF PURCHASED AFTER JANUARY 1, 2009***</b>

**SPEAKMAN®**

PO Box 191 Wilmington, DE 19899 Phone: 800-537-2107 Fax: 800-977-2747  
Visit us on the web at [www.speakmancompany.com](http://www.speakmancompany.com)