

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 (Only available w/ FH Option)	◇ TWI – Tee w/Extra Inlet Port (Only available w/ FH Option)	◇ 8 – 8" Deep Spread Gooseneck Spout
◇ HS – Hose & Spray (Only available w/ FH Option)	◇ ST – Serrated Tip (For VB6/8 only)	◇ 9 – 9" Deep Tubular Swing Spout
◇ LD – Less Drain	◇ SW – Swivel Spout (For VB6/8 only)	◇ 12 – 12" Deep Tubular Swing Spout
◇ MI – Metal Indexes	◇ FH – Stainless Steel Flex Hoses (For Adjustable Centers from 6" – 12")	◇

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.

POP-UP DRAIN:

- STRAINER DRAIN:**

- 08/08
92-1902-R6

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) ***USE IF PURCHASED BEFORE JANUARY 1, 2009***
4	RPG20-1896	END BODY ASSEMBLY (BLUE) W/ MOUNTING HARDWARE & HOSE ADAPTER (FV) ***USE IF PURCHASED BEFORE JANUARY 1, 2009***
5	RPG20-2011	END BODY ASSEMBLY (RED) W/ MOUNTING HARDWARE & HOSE ADAPTER ***USE IF PURCHASED AFTER JANUARY 1, 2009***
6	RPG20-2012	END BODY ASSEMBLY (BLUE) W/ MOUNTING HARDWARE AND HOSE ADAPTER ***USE IF PURCHASED AFTER JANUARY 1, 2009***
NOT SHOWN	G63-0061	FLEX HOSE ASSEMBLY ***USE IF PURCHASED BEFORE JANUARY 1, 2009***
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) ***USE IF PURCHASED AFTER JANUARY 1, 2009***

SPEAKMAN®

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