

# AQUASPEC<sup>®</sup> FAUCETS

MODEL - Z83100 WIDESPREAD SERIES



## TECHNICAL INFORMATION

**FLOW:** 2.2 GPM [8.3 L] PRESSURE COMPENSATING AERATOR \*

**MAXIMUM PRESSURE:** 125 PSI

**MAXIMUM TEMPERATURE:** 180 °F

**HANDLE NUT TORQUE:** 15-20 FT - LBS.

**CARTRIDGE STYLE:** QUARTER TURN CERAMIC DISK

\* OTHER AERATORS AVAILABLE BY REQUEST

## INSTALLATION INSTRUCTIONS

### Z83100 (SEE FIGURE 1)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEMS #7, #8, & #9) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.
3. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
4. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
5. PLACE GASKET (ITEM #7A) BETWEEN TEE (ITEM #7D) & SHANK. SECURE TEE TO SHANK WITH NUT (ITEM #7C).
6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK.
7. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT INDEX BUTTONS.
8. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

### Z83100-ICT (SEE FIGURE 2)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEM #8) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.
3. PLACE SHANK NUT (ITEM #3J) ONTO CENTER POST OF BODY (ITEM #8). PLACE FRICTION WASHER (ITEM #3i) INTO NUT (ITEM #3J). INSERT SHANK SEAL (ITEM #3H) AROUND CENTER POST WITH LARGE DIAMETER FIRST UNTIL SEAL BOTTOMS OUT.
4. PLACE BODY INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
5. HAND TIGHTEN NUTS (ITEM #7A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK, ALSO TIGHTEN SHANK NUT (ITEM #3J) ONTO THREADS OF BASE (ITEM #4).
7. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT COLOR CODED INDEX BUTTONS.
8. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

### Z83103 (SEE FIGURE 3)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEMS #7, #8, & #9) FROM PACKAGING, REMOVE CARTRIDGE CAP (ITEM #1) AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.

3. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
4. REASSEMBLE CARTRIDGE CAP (ITEM #1) TO BODY (ITEM #9).
5. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
6. PLACE GASKET (ITEM #7A) BETWEEN TEE (ITEM #7D) & SHANK. SECURE TEE TO SHANK WITH NUT (ITEM #7C).
7. TIGHTEN ESCUTCHEONS (ITEM #2) BODY (ITEM #9) TO SECURE BODY TO SINK.
8. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT INDEX BUTTONS.
9. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

## **Z83100-HS (SEE FIGURE 4)**

1. FULLY THREAD MOUNTING NUT (ITEM #7C) ONTO DIVERTER TEE (ITEM #6D). PLACE WASHER (ITEM #7B) AND FRICTION GASKET (ITEM #7A) ONTO DIVERTER TEE (ITEM #6D).
2. PLACE DIVERTER TEE (ITEM #6D) INTO SINK FROM UNDERSIDE AND THREAD ESCUTCHEON (ITEM #6A) ON SO THERE'S APPROXIMATELY 1" OF THREADS STICKING OUT ABOVE ESCUTCHEON (ITEM #6A).
3. REMOVE BODY ASSEMBLY (ITEM #9) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.
4. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
5. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK.
7. INSTALL SPOUT INTO DIVERTER TEE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #4 AND #5) AND INSERT INDEX BUTTONS.
8. BACK OFF ESCUTCHEON (ITEM #6A) UNTIL SNUG AGAINST SPOUT NUT. TIGHTEN MOUNTING NUT (ITEM #7C) TO SECURE DIVERTER TEE ASSEMBLY (ITEM #6) ON SINK.
9. REMOVE HOSE SPRAY ASSEMBLY (ITEM #11) FROM PACKING. INSERT LOOSE WASHER INTO END OF HOSE. ASSEMBLE HOSE AND SPRAY ESCUTCHEON (ITEM #11A) ONTO SINK. INSERT HOSE AND SPRAY (ITEM #11B) THROUGH ESCUTCHEON (ITEM #11A) FROM TOP OF SINK AND ATTACH TO DIVERTER TEE (ITEM #6D).
10. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

## **"FINISHING INSTALLATION" ALL MODELS**

1. ATTACH LAVATORY SUPPLIES TO FAUCET USING COUPLING NUT (ITEM #10).
2. OPTIONAL - POP-UP (-P) / GRID STRAINER (-G) / HANDICAP OFFSET GRID DRAIN (-GH) (NOT AN OPTION FOR Z80000-HS) INSTALL POP-UP OR GRID STRAINER IN SINK OUTLET AND PLUMB WASTE CONNECTION.
3. INSTALL AERATOR ONTO SPOUT END AND HAND TIGHTEN. IT MAY BE NECESSARY TO UNSCREW AND CLEAN AERATOR AT START-UP.
4. TURN WATER SUPPLY ON AND OPERATE FAUCET CHECKING FOR LEAKS.
5. IT MAY BE NECESSARY TO SHUT WATER OFF AND REMOVE CARTRIDGES TO CLEAN SUPPLY LINES. CARTRIDGES CAN BE REMOVED BY FIRST REMOVING THE HANDLES. COLOR INDEXES CAN BE REMOVED BY INSERTING A PIN INTO THE HOLE ON THE UNDERSIDE OF THE HANDLE. AFTER THE HANDLES HAVE BEEN REMOVED, UNSCREW ESCUTCHEONS (ITEM #1) AND REMOVE THE CARTRIDGE CAPS (ITEM #2). PULL UP ON THE CARTRIDGE.
6. REPLACE CARTRIDGES IN BODY AND HAND TIGHTEN CARTRIDGE CAPS. PLACE HANDLES ON THE CARTRIDGE STEM AND LOCATE THEM AS DESIRED. TIGHTEN CARTRIDGE CAPS.
7. REPLACE HANDLE SCREWS AND COLOR INDEX BUTTONS.

## **MAINTENANCE**

1. YOUR ZURN AQUASPEC FAUCET HAS A HIGHLY POLISHED NICKEL CHROME PLATED FINISH. CLEAN WITH SOAP AND WATER OR A MILD CLEANER WHICH IS SAFE FOR CHROME PLATING. DO NOT USE ACIDS OR TOILET BOWL CLEANER AS THEY WILL DAMAGE THE FINISH.
2. AQUASPEC FAUCETS CONTAIN CERAMIC DISK CARTRIDGES WHICH REQUIRE NO MAINTENANCE. TO REMOVE THE CARTRIDGE, SHUT THE WATER OFF, LOOSEN THE HANDLE NUTS AND PULL UP ON THE CARTRIDGE.

## **REPLACEMENT PARTS**

|                      |          |
|----------------------|----------|
| COLD WATER CARTRIDGE | 59517003 |
| HOT WATER CARTRIDGE  | 59517004 |
| INDEX BUTTONS        | G60500   |

FIGURE 1

| Item | Part Number | Description          | Qty. |
|------|-------------|----------------------|------|
| 1    | 60078001    | Escutcheon           | 2    |
| 2    | 60077001    | Cartridge Cap        | 2    |
| 3    | G61859      | Mounting Hardware    | 1    |
| 3A   | 60383002    | Retaining Ring       | 2    |
| 3B   | 60382001    | Washer               | 2    |
| 3C   | 60444001    | Washer               | 2    |
| 3D   | 60148002    | Gasket               | 2    |
| 3E   | 65340001    | Washer               | 1    |
| 3F   | 61613019    | Toothed Lockwasher   | 1    |
| 3G   | 59530003    | Flanged Mounting Nut | 1    |
| 4    | 61276003    | Base                 | 1    |
| 5    | 59517003    | Long Cold Cartridge  | 1    |
| 6    | 59517004    | Long Hot Cartridge   | 1    |
| 7    | G65335      | Tee Assembly         | 1    |
| 7A   | 60455001    | Gasket               | 1    |
| 7B   | 63982001    | Retaining Ring       | 1    |
| 7C   | 60145002    | Shank Nut            | 1    |
| 7D   | 61283001    | Tee                  | 1    |
| 8    | 60249332    | S. S. Flexible Hose  | 2    |
| 9    | 61273001    | Valve Body Assembly  | 2    |
| 9A   | 60445001    | Nut                  | 2    |
| 10   | 59532001    | 1/2" NPSM Riser Nut  | 2    |

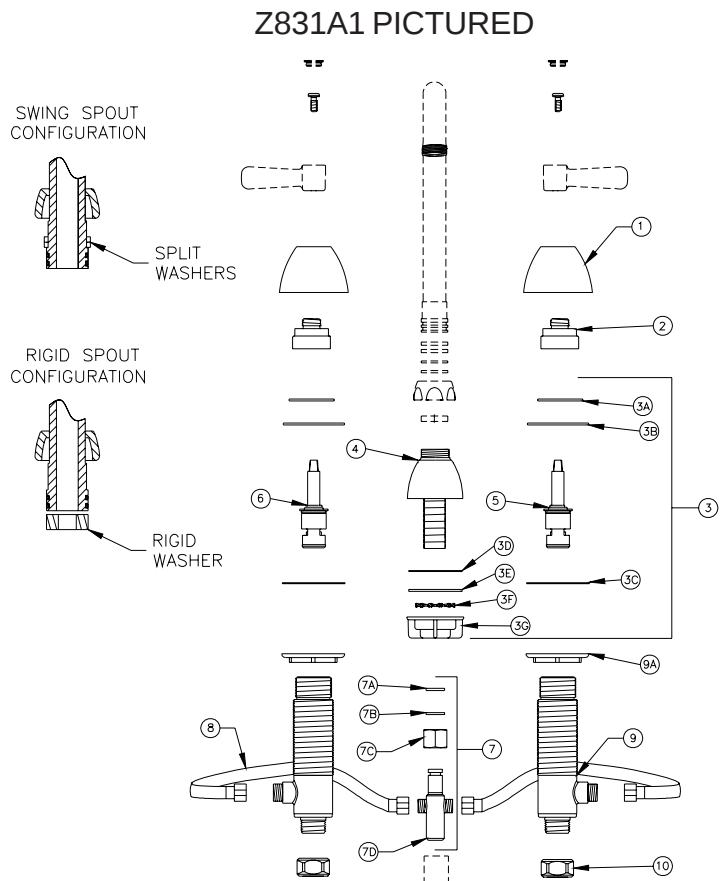


FIGURE 2

| Item | Part Number | Description          | Qty. |
|------|-------------|----------------------|------|
| 1    | 60078001    | Escutcheon           | 2    |
| 2    | 60077001    | Cartridge Cap        | 2    |
| 3    | G61080      | Mounting Hardware    | 1    |
| 3A   | 60383002    | Retaining Ring       | 2    |
| 3B   | 60382001    | Washer               | 2    |
| 3C   | 60444001    | Washer               | 2    |
| 3D   | 60148002    | Gasket               | 1    |
| 3E   | 65340001    | Washer               | 1    |
| 3F   | 61613019    | Lockwasher           | 1    |
| 3G   | 59530003    | Flanged Mounting Nut | 1    |
| 3H   | 60144001    | Shank Seal           | 1    |
| 3I   | 60399001    | Friction Washer      | 1    |
| 3J   | 60145001    | Shank Nut            | 1    |
| 4    | 60453003    | Base Ass'y.          | 1    |
| 5    | 59517003    | Long Cold Cartridge  | 1    |
| 6    | 59517004    | Long Hot Cartridge   | 1    |
| 7    | 60445001    | Nut                  | 2    |
| 8    | G67819      | Valve Body Ass'y.    | 1    |
| 9    | 59532001    | 1/2" NPSM Riser Nut  | 2    |

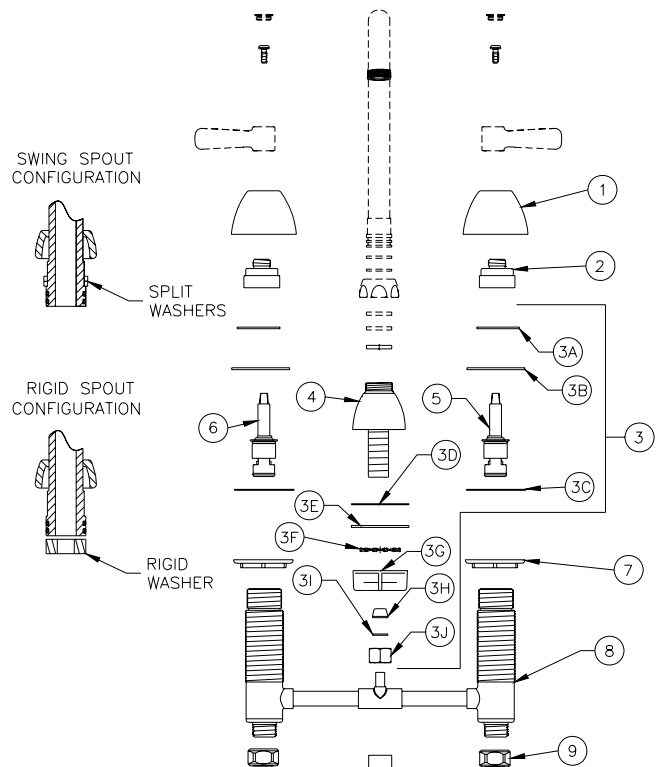
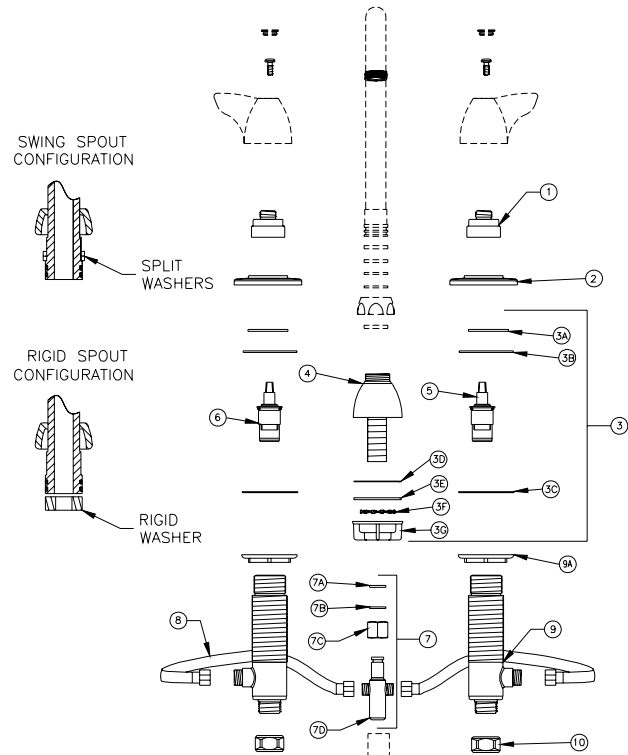


FIGURE 3

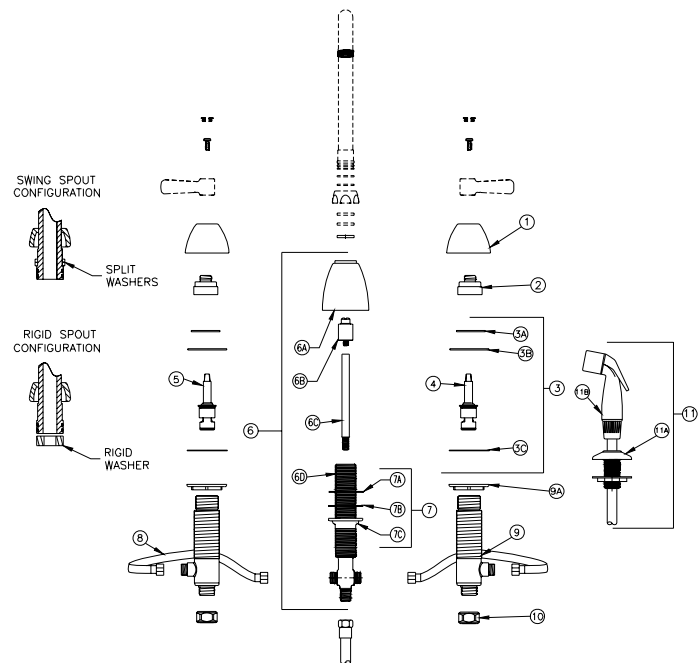
| Item | Part Number | Description          | Qty. |
|------|-------------|----------------------|------|
| 1    | 60077001    | Cartridge Cap        | 2    |
| 2    | 60078001    | Escutcheon           | 2    |
| 3    | G61859      | Mounting Hardware    | 1    |
| 3A   | 60383002    | Retaining Ring       | 2    |
| 3B   | 60382001    | Washer               | 2    |
| 3C   | 60444001    | Washer               | 2    |
| 3D   | 60148002    | Gasket               | 2    |
| 3E   | 65340001    | Washer               | 1    |
| 3F   | 61613019    | Toothed Lockwasher   | 1    |
| 3G   | 59530003    | Flanged Mounting Nut | 1    |
| 4    | 61276003    | Base                 | 1    |
| 5    | 59517003    | Long Cold Cartridge  | 1    |
| 6    | 59517004    | Long Hot Cartridge   | 1    |
| 7    | G65335      | Tee Assembly         | 1    |
| 7A   | 60455001    | Gasket               | 1    |
| 7B   | 63982001    | Retaining Ring       | 1    |
| 7C   | 60145002    | Shank Nut            | 1    |
| 7D   | 61283001    | Tee                  | 1    |
| 8    | 60249332    | S. S. Flexible Hose  | 2    |
| 9    | 61273001    | Valve Body Assembly  | 2    |
| 9A   | 60445001    | Nut                  | 2    |
| 10   | 59532001    | 1/2" NPSM Riser Nut  | 2    |



Z831A3 PICTURED

FIGURE 4

| Item | Part Number | Description            | Qty. |
|------|-------------|------------------------|------|
| 1    | 60078001    | Escutcheon             | 2    |
| 2    | 60077001    | Cartridge Cap          | 2    |
| 3    | G61859      | Mounting Hardware      | 1    |
| 3A   | 60383002    | Retaining Ring         | 2    |
| 3B   | 60382002    | Stainless Steel Washer | 2    |
| 3C   | 60444001    | Brass Washer           | 2    |
| 4    | 59517003    | Long Cold Cartridge    | 1    |
| 5    | 59517004    | Long Hot Cartridge     | 1    |
| 6    | G66606      | Diver Tee Assembly     | 1    |
| 6A   | 60082001    | Threaded Escutcheon    | 1    |
| 6B   | 60486001    | Diverter               | 1    |
| 6C   | 60457001    | Diverter Extension Rod | 1    |
| 6D   | 61268001    | Diverter Tee           | 1    |
| 7    | G61073      | Mounting Hardware      | 1    |
| 7A   | 60549002    | Friction Gasket        | 1    |
| 7B   | 60444002    | Washer                 | 1    |
| 7C   | 60445002    | Mounting Nut           | 1    |
| 8    | 60249332    | Flexible Hose          | 2    |
| 9    | 61273001    | Single Body Assembly   | 2    |
| 9A   | 60445001    | Nut                    | 2    |
| 10   | 59532001    | 1/2" NPSM Riser Nut    | 2    |
| 11   | G66607      | Hose Spray Assembly    | 1    |
| 11A  | 61319001    | Hose Spray Escutcheon  | 1    |
| 11B  | 61319002    | Hose and Spray         | 1    |



Z831A1-HS PICTURED