B2.1-1225 Tub And Shower Cartridge And Balancing Spool

1225 Shower Cartridge

Removal of the Old Cartridge

Tools Needed:

- Large Pliers
- Channel Locks
- Phillips Screwdriver
- 7/64" Allen Wrench
- Flathead Screwdriver
- Soft Brush

Always turn your water supplies off before disassembling your faucet. With the supplies turned off, move your faucet's handle to the “on” position to relieve pressure.
Knob handles

1. For knob handles, pry the cap off of the end of the knob and use a Phillips screwdriver to remove the screw. Remove the knob. Click here for image.

2. Using your hands, grab the stop tube. Slide this forward until it has been removed from the faucet. Click here for image.

3. Using a flathead screwdriver, lift the eyelet of the U-shaped, copper colored retaining clip just a little. Grab this with your hand to fully remove to insure the clip does not fall behind the wall. Click here for image.

4. Place the twisting tool provided with the cartridge on the end of the cartridge. Use pliers to rotate this a quarter of a turn. Then remove the plastic socket. Click here for image.

5. Using pliers or Vice Grips, grab the brass stem of the cartridge and pull. This will slide easily at first, but when the stem is fully extended begin applying more force. Eventually the cartridge will pop out of the brass valve body. Click here for image.

Lever handles

1. Rotate the faucet handle in either direction until it stops. Insert the Allen wrench into the hole on the handle on the side opposite the lever. Rotate the Allen wrench to unscrew the handle set screw. Lift the handle off of the faucet and set aside. Make sure not to lose the set screw. Click here for image.

2. Using a Phillips screwdriver, unscrew the screw located in the center of the handle adapter. Click here for image.

3. Using your hands, grab the stop tube. Slide this forward until it has been removed from the faucet. Click here for image.

4. Using a flathead screwdriver, lift the eyelet of the U-shaped, copper colored retaining clip just a little. Grab this with your hand to fully remove to insure the clip does not fall behind the wall. Click here for image.

5. Place the twisting tool provided with the cartridge on the end of the cartridge. Use pliers to rotate this a quarter of a turn. Then remove the plastic socket. Click here for image.

6. Using pliers or Vice Grips, grab the brass stem of the cartridge and pull. This will slide easily at first, but when the stem is fully extended begin applying more force. Eventually the cartridge will pop out of the brass valve body. Click here for image.

Cleaning the Valve Body

Always turn your water supplies off before disassembling your faucet. With the supplies turned off, move your faucet’s handle to the “on” position to relieve pressure.

Due to the issue you are experiencing, the valve body must be cleaned and flushed before installing the new cartridge.

- Clean the inside of the valve body with a soft bristled nylon brush (e.g. old toothbrush), to remove any mineral buildup.
- Hold a bowl or similar object over the top of the valve to help direct the flow of water in the next step.

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• Briefly turn on only the water supply line for the side experiencing a low flow of water issue. This will flush clean water through the open valve of the afflicted side. This will take the debris causing the low flow condition and push it out of the unit. This will send a lot of water through the open valve. Use bowls or similar devices to redirect water from the open valve back to the sink.

Installation of the New Cartridge

1. Insure the tabs on top of the cartridge are at the twelve and six o’clock positions. [Click here for image.]

2. Slide the cartridge into the valve body until it is fully seated. The plastic tabs on the top of the cartridge should not stick out of the brass. If they do, the cartridge needs to be pushed in further. If it will not go in any further, remove the cartridge and insure the valve body is clean and dry. Slide the retainer clip back into the slot on top of the cartridge until it is fully seated. [Click here for image.]

3. You may now reassemble the faucet by following the disassembly instructions in reverse order.

Special Note

If the retainer clip will not slide in all of the way, make sure the plastic tabs on the top of the cartridge are centered at the twelve and six o’clock positions. The plastic socket that was used in step 6 can be used to rotate the cartridge and better center the tabs. [Click here for images.]

Removal of the Balancing Spool

Tools Needed:

- Flathead Screwdriver
- Soft Brush

Always turn your water supplies off before disassembling your faucet. With the supplies turned off, move your faucet's handle to the “on” position to relieve pressure.

1. When the valve body is exposed, there will be [Click here for image.]

2. A soft brush can be used to clean the valve body. Be sure the chamber is clean and dry. [Click here for image.]
a large slot to the right or above the center. Unscrew this using a large flathead screwdriver. Click here for image.

3. Clean the outside balancing spool. Be sure all mineral buildup and debris are removed. Click here for image.

4. Inside of the balancing spool is a small cylinder that needs to be able to move freely. This can be accomplished by cleaning through the holes located around the outside. Gently tap the balancing spool on a concrete surface can dislodge the small cylinder. Once moving freely, you will hear a clicking sound when you shake the balancing spool. Click here for image.

You are all done!