1234 Cartridge: Two Handle 8" Wide Spread Valve (After Dec 2014)

This article will walk you through the process of replacing the internal water flow cartridge(s) in a large two handle 8" spread faucet. The 8" spread pertains to the measurement from the center of the hot handle to the center of the cold handle. The information will include details about the tools needed and the method of removal.

If your stem extension (#5) has splines all around the top, do not proceed (these are not the correct instructions or parts for your version). See article 1224 Cartridge: Two Handle 8" Wide Spread Valves (2000-2014).

Partial Splines:  
Splines:

Preparation:

- The water supply shut off valves must be turned off- see article How to Turn Off the Water Supply to the Faucet.
- Recommended Tools: Flathead Screwdriver, Needle-Nose Pliers and/or Removal Tool 14272
- The following instructions assume the handle and associated handle pieces have been removed. For additional details, visit solutions.moen.com and select the type you are repairing. The faucet guide will contain specific information on handle assemblies associated with that style of product.
**Disassembly Using Needle-Nose Pliers:**

1. Push on the side on the stem extension (#1) that has **five splines** at the top, see "Image 1". Use pliers to pull up and remove the stem extension (#1).
2. Insert needle nose pliers into the valve body (#4) so they are in the recesses in the cartridge nut (#2). Unthread the cartridge nut (#2). The cartridge nut (#2) will not unthread all the way out of the valve body (#4).

**Disassembly Using Removal Tool 14272:**

1. Use the removal tool 14272 to unthread the cartridge nut (#3). The cartridge nut (#2) will not unthread all the way out of the valve body (#4).
2. Using pliers, pull up on the stem extension (#1) which will also pull the cartridge (#3) and cartridge nut (#2) out.
3. To separate the stem extension (#1) from the cartridge (#3), push on the side of the stem extension (#1) that has **five splines** at the top, see "Image 1". Insert the end of
Assembly:

1. Insert the new cartridge (#3) into the valve body (#4) aligning the tabs on both sides of the the cartridge (#3) with the recessed indentations on both sides of the valve body (#4).
2. Reinstall and tighten the cartridge nut (#2) using pliers or the removal tool (14272).
3. Snap the stem extension (#1) onto the cartridge (#3).
4. Rotate the stem extension (#1) to the "off" position (clockwise for hot, counter clockwise for cold) until it stops.

It is recommended to clean and flush the valve body (#4) prior to installing the new cartridge (#3). See article Valve Body Cleaning and Flushing for additional details.

For additional information on Moen products visit solutions.moen.com and select the type of faucet you are repairing. The faucet guide will contain repair details, troubleshooting and specific information on assembling handles associated with that style of product.

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