

RV Toilet Valve Installation Process

This process document corresponds to the YouTube video: [RV Toilet Valve Installation](#). Please watch this video to gain a visual understanding of the process. If this process is of value, we appreciate it if you would consider supporting the channel by starting your online shopping from our [Amazon store](#).

Here are the tools and supplies you will need to complete the task successfully:

- 1" Wide PEX ½" Diameter Valve
- 2 – ½" PEX Pinch Clamps
- PEX Pipe Cutter
- PEX Pinch Clamp Wrench
- Tape Measure & Marker
- Small Container to Catch Water

Step to Install a PEX Valve to the Toilet Line:

1. Go outside and turn off the water to the RV.
2. Locate the short PEX plumbing line that feeds water to the toilet. This is where you will install the new cut-off valve.
3. With the water off, flush the toilet of any remaining water in the bowl to relieve water pressure from the line. Note, there may still be a bit of water pressure in the line even after doing this.
4. Place a small container under the plumbing line you are about to cut, to catch any water that comes out of the line.
5. Measure the width of the new valve, not including the part that will fit within the existing lines. This is what you will use to determine how much line to remove. In this case, we needed to remove 1" from the center of the existing plumbing line.
6. Using the tape measure, mark the center point between the existing clamps or end of the line and then mark ½" to either side of the center point. These are your cut marks.
7. Using the PEX pipe cutter, cut the PEX line at the cut marks. It is likely that some water will come from the line when first cut. You may want to have a small towel nearby. Try to hold the pipe cutter perpendicular to the line when cutting to ensure a smooth cut. When finished, the line should have an inch gap where the new valve will go.
8. Insert the two ½" PEX clamps on the freshly cut lines, one on each side. Make sure the clamp pinch rings of each clamp are facing out to be available to pinch.
9. Insert the new valve into the freshly cut lines and snug into position. This may take a bit of effort. Make sure the valve control is pointing forward. Then position the pinch clamp rings within a ¼" of the valve on either side.
10. Using the pinch clamp wrench, clamp down the PEX pinch clamp rings firmly to seal the rings. This is going to take some hand strength in a small space, so take your time as these seals are very important. Repeat the process on the second ring. Again, it will take real hand strength to seat this properly.
11. Check that the valve is very securely fastened to the line.
12. Turn the water back on to the RV and check that the valve is not leaking under pressure. Also, flush the toilet to make sure the water is running properly.