90° PRIME/SPRAY VALVE REPLACEMENT KIT

WAGNER SPRAY TECH®

0901 • Form No. 0512742B

Removing the Old Prime/Spray Valve

Use the following procedures to remove the existing PRIME/SPRAY valve from your unit. There are two possible configurations of the existing PRIME/SPRAY valve — one with a hex nut under the cam and one without a hex nut under the cam.

⚠WARNING

Be sure to follow the pressure relief procedure found in the manual when shutting down the unit for any purpose, including servicing or adjusting. After performing the pressure relief procedure, be sure to unplug the unit before servicing or adjusting.

Valve With Hex Nut

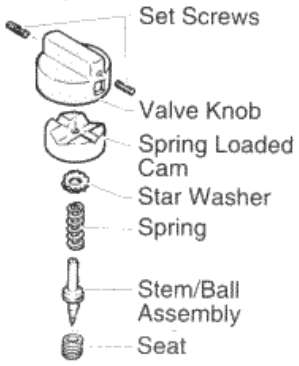
1. Position the unit so that the PRIME/SPRAY valve faces up. Place a cloth under the unit to protect it.
2. Turn the PRIME/SPRAY valve to the SPRAY position.
3. Loosen the two set screws in the PRIME/SPRAY valve knob 1/2 turn each. Use a 1/16 inch hex wrench.
4. Lift off the PRIME/SPRAY valve knob.
5. Lift the cam off of the hex nut.
6. Turn the hex nut counterclockwise with a wrench to loosen it.
7. Turn the hex nut counterclockwise by hand and carefully lift it away from the unit once it is loose.

NOTE: The hex nut is spring-loaded. Hold the hex nut firmly when removing it to prevent it from popping up.

8. Remove the star washer and spring.
9. Pull the stem/ball assembly out of the valve housing.
10. Loosen and remove the stem/ball assembly seat from the valve housing. Use a 7/32 inch hex wrench.

Valve Without Hex Nut

1. Position the unit so that the PRIME/SPRAY valve faces up. Place a cloth under the unit to protect it.
2. Turn the PRIME/SPRAY valve to the SPRAY position.
3. Loosen the two set screws in the PRIME/SPRAY valve knob 1/2 turn each. Use a 1/16 inch hex wrench.
4. Lift off the PRIME/SPRAY valve knob.
5. Turn the cam counterclockwise with a channel lock pliers to loosen it.
6. Turn the cam counterclockwise by hand and carefully lift it away from the unit once it is loose.



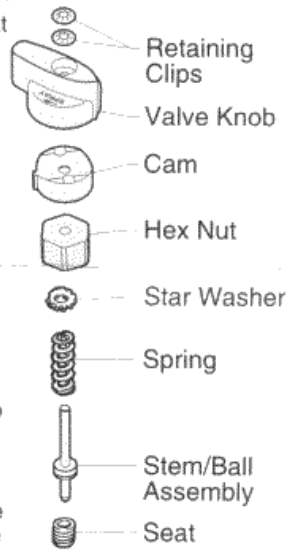
NOTE: The cam is spring-loaded. Hold the cam firmly when removing it to prevent it from popping up.

7. Remove the star washer and spring.
8. Pull the stem/ball assembly out of the valve housing.
9. Loosen and remove the stem/ball assembly seat from the valve housing. Use a 7/32 inch hex wrench.

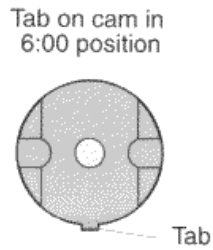
Assembling the 90º Prime/Spray Valve

Use the following procedure to assemble the new 90º PRIME/SPRAY valve into your unit.

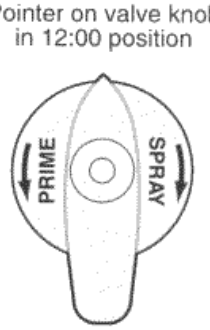
1. Tighten the new stem/ball assembly seat into the valve housing. Use a 7/32 inch hex wrench. Torque to 10-12 ft./lbs.
2. Apply a light coating of grease around the o-ring on the new stem/ball assembly.
3. Push the stem/ball assembly into the stem/ball assembly seat in the valve housing.
4. Place the new spring and star washer around the stem/ball assembly.
5. Slide the new hex nut onto the stem of the stem/ball assembly, thread it onto the valve housing, and tighten with a wrench. Torque the nut to 13-15 ft./lbs.
6. Apply a light coating of grease to the top of the cam.
7. Slide the new cam onto the stem of the stem/ball assembly and over the hex nut. The design of the cam will allow the hex nut to fit inside the cam, causing the cam to lock in position.



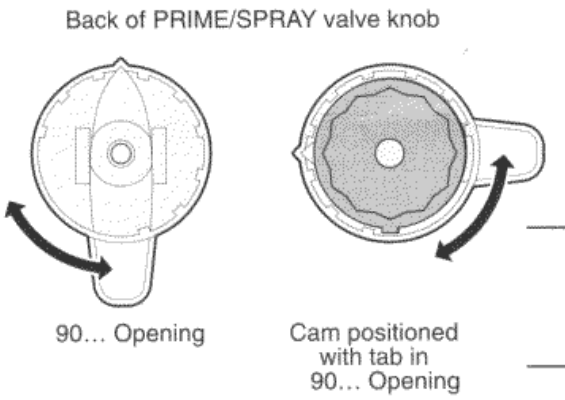
NOTE: Position the cam on the hex nut so that the tab on the side of the cam is as close to the 6:00 position as possible.

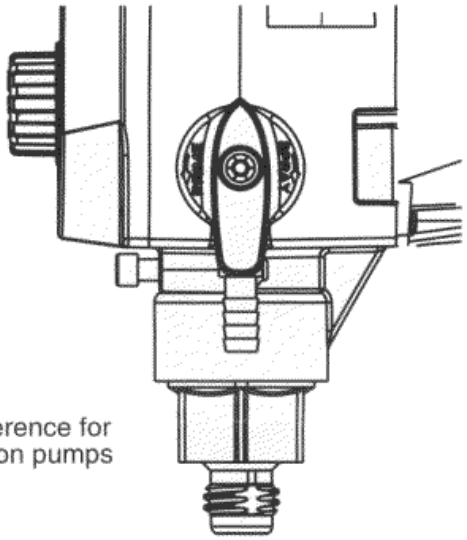


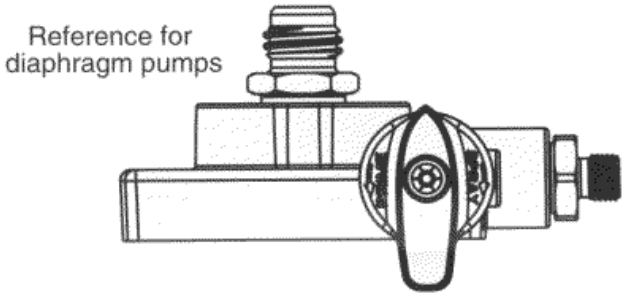
8. Place the new PRIME/SPRAY valve knob over the cam with the pointer on the knob as close to the 9:00 position as possible. Make sure the knob is pushed completely onto to the cam (the knob should cover the cam completely).



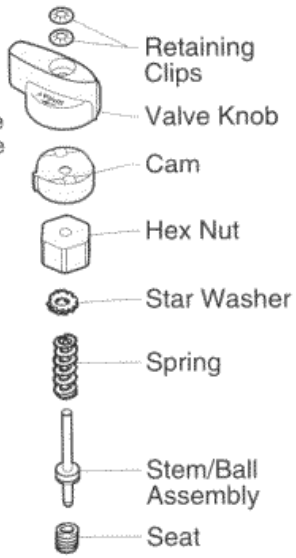
NOTE: The knob is designed to allow 90º of movement between the SPRAY and PRIME positions. The inside of the knob has a 90º opening in it's circumference where the tab of the cam should be positioned to allow this movement. When placing the knob with the arrow in the 9:00 position, make sure that the tab on the cam is within the 90º opening on the inside of the knob. Then, make sure the knob is at the end of its movement in the clockwise direction (this is the SPRAY position) before continuing with this procedure.







9. Slowly turn the knob counterclockwise until the bottom of the knob moves out to where it is flush with the bottom of the cam (approximately 5–7º).
10. Place the two retaining clips over the stem of the stem/ball assembly where it passes through the recessed portion of the knob.
11. Using a 5/16" (8mm) nut driver, push the two clips into the recessed portion of the knob with steady, even pressure until it stops.



⚠ CAUTION

Do not hammer or wiggle the clip into position. It will damage the clip.

12. Check that the pressure control knob is turned to the lowest pressure setting.
13. Turn the PRIME/SPRAY knob to the SPRAY position.
14. Run water through the system and check for leaks.
15. Slowly turn the pressure control knob to increase the pressure and continue to check for leaks. If there are no leaks, the unit is ready to use.