

Access To Components

Remove the two screws retaining the lid for the flange compartment. Remove the flange compartment lid. Next, remove the gray selector cap (1) from the top of the solenoid (2) by lifting upwards. To remove tan-colored pilot valve (3) simply pull up on the solenoid. Note the orientation of the pilot valve's fittings (4) before removal. This is an important reference during final assembly.

Solenoid, Selector Cap and Detent Ring Replacement

Remove old solenoid (2) from pilot valve (3) with counter-clockwise turns. Cut lead wires (5) from old solenoid leaving ample slack in wiring to make new splice connections. Or, if original splice connections are located in the flange compartment, disconnect these splices. Install new gray detent ring (6) to the bottom of the new solenoid (2) by aligning the flat feature on the detent ring with the flat feature on the solenoid's side. Press into position.

To install the new solenoid to the pilot valve, first align the flat feature on the pilot valve (7) with the flat feature on the solenoid's side. Press the solenoid into the pilot valve with the flat features aligned. Next, while holding the pilot valve, turn solenoid slightly counterclockwise while pressing the two components together. This action will properly align the thread starting points. Now turn solenoid clockwise into the pilot valve until it stops turning. This is the manual Off position. To find the Auto position, rotate the solenoid counterclockwise approximately ¼ turn until the detent ring clicks. Connect controller field wires to the solenoid leads using watertight connectors.

To install the connected solenoid/pilot-valve assembly into the body, lower assembly into the flange compartment. To properly align assembly, point the pilot valve's fittings (4) in the direction of the letter "r" in the word Hunter located on the rotor's upper surface. Press assembly down and into position. Next, lay solenoid wires side-by-side over the top of and down the flat side of the solenoid. While holding the solenoid wires in this position, place the new selector cap over solenoid while aligning the recessed area on the selector cap to the solenoid wires.

Pilot Valve and Pressure Regulator Replacement

Note the two tubes attached to the pilot valve. The lower tube (8) comes from the sprinkler's inlet valve. The upper tube (9) goes to the inlet side of the pressure regulator. To replace pilot valve, cut these tubes at the pilot valve fittings (4) then press tubing over the corresponding fittings on the new pilot valve.

Note the two tubes attached to the pressure regulator fittings. The tube extending from the center fitting of the pressure regulator (9) comes from the pilot valve. The tube extending from the fitting off-center on the pressure regulator (10) goes to the fitting in the sidewall of the sprinkler's body. To replace pressure regulator, cut these tubes at the pressure regulator fittings then press tubing over the corresponding fittings on the new pressure regulator.

The pressure regulator is adjustable from 50 to 120 PSI. To adjust pressure regulator to an estimated setting, turn the gray knob on the regulator until the white indicator aligns with the desired pressure setting. For more precise setting of regulation, use pitot gauge and make settings while rotor is activated.

Assembly

Install pilot valve/solenoid assembly into flange compartment as outlined above. Arrange tubing, pressure regulator and any splice connectors within the flange compartment. Replace flange lid and screws.

