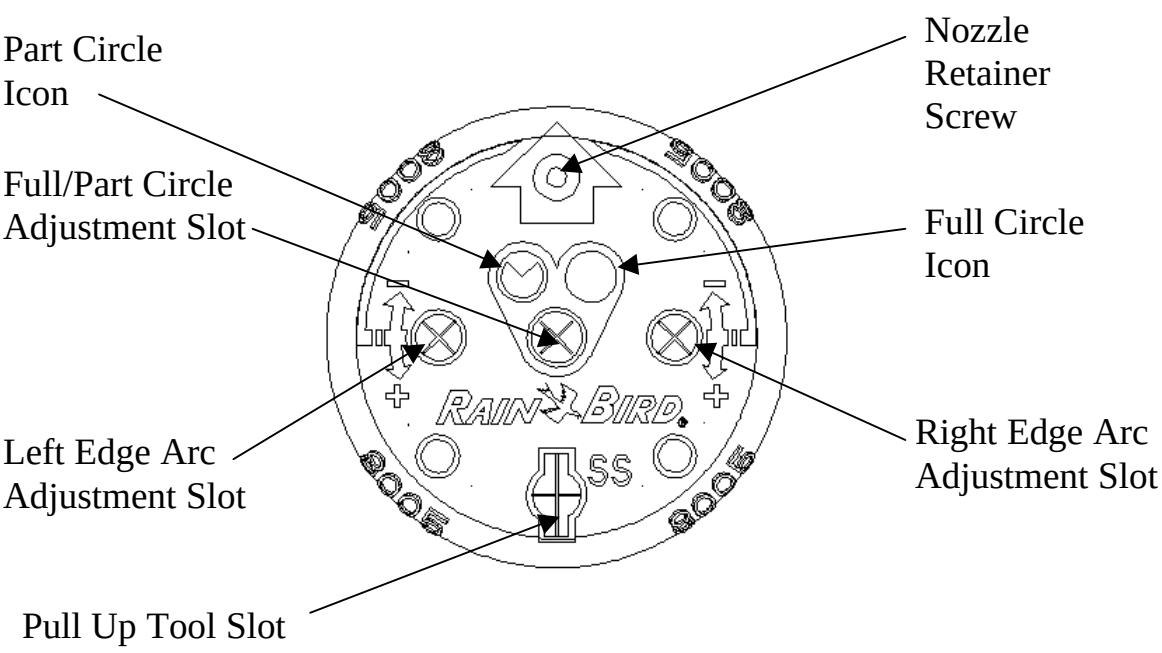
RAIN BIRD 7005/8005 ROTOR OPERATION GUIDE



FULL/PART CIRCLE OPERATION

All 7005/8005 rotors are factory preset to part-circle at approximately 180 degrees.

Full-Circle Operation

To set the rotor for full-circle operation, insert a flat blade screwdriver into the center adjustment slot on the top of the rotor. Turn the screwdriver clockwise so the blade of the screwdriver is aimed towards the full-circle icon.

Part-Circle Operation

To set the rotor for part-circle operation, insert a flat blade screwdriver into the center adjustment slot on the top of the rotor. Turn the screwdriver counter clockwise so the blade of the screwdriver is aimed towards the part-circle icon. Use the following instructions to adjust the arc settings.

ARC ADJUSTMENT

Important facts:

- The rotor may be adjusted to any arc between 50° - 330° and full circle.
- Both right and left edges of the arc can be independently adjusted.
- One full 360 degree turn of the arc adjustment screw will change the arc edge approximately 120 degrees. Three full turns of the arc adjustment screw will rotate the trip edge completely around to the starting point. This is significantly different than most other rotors.
- The edges of the arc cannot be felt when rotating the nozzle turret by hand. There is a light click sound at the arc edge. If the nozzle turret is rotated past the trip point, another click may be heard. This is the Memory Arc® function activating. No damage has occurred to the rotor. During operation, the rotor will click once again as it returns to its arc setting.
- The nozzle turret can be rotated by hand at any time in either direction with no damage to the rotor. Rapid advancing the nozzle turret by hand to within a few degrees of the trip points will speed the arc setting process and will not damage the rotor.

- The arc of the rotor cannot be set to less than 50 degrees. If the 50-degree minimum is reached during adjustment, a hard stop will be felt on the adjustment screw. To continue moving the arc edge, move the other edge in the same direction first. Then return and continue moving the first edge. If the adjustment screw is forced beyond the fixed stop, it will ratchet and click loudly a few times before damage occurs.
- Setting the arc - Method #1:

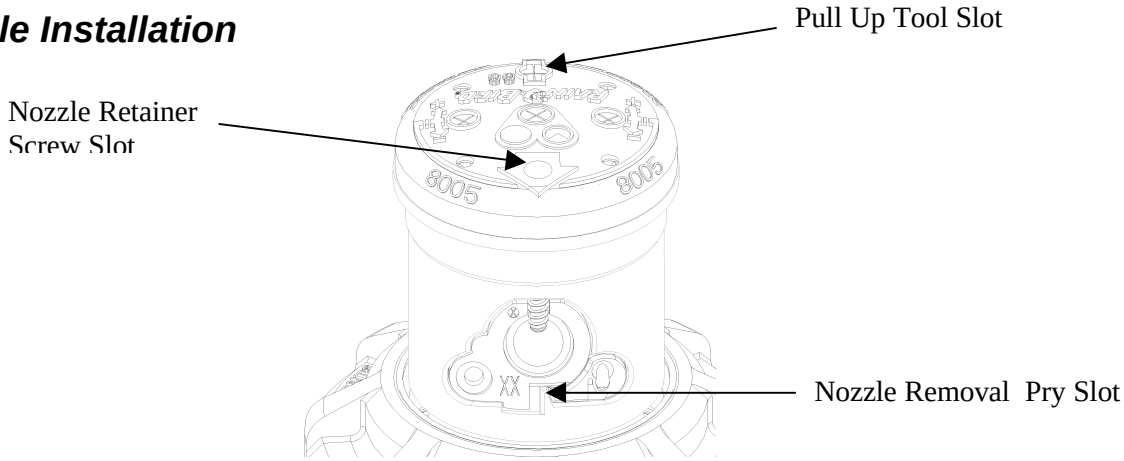
1. Adjust both arc edges of the rotor larger than desired.
2. To adjust the left arc edge, trip the rotor so that it is rotating counter clockwise.
3. Grip the nozzle housing to halt the rotation at the desired trip point.
4. With the rotor aimed at the desired trip point, slowly turn the left adjustment screw in the clockwise direction until the torque of the nozzle turret is eliminated. This is a very subtle feel. The click sound of the trip may also be heard depending on the noise level in the area.
5. Verify trip point during normal operation.
6. Repeat the procedure for the right side trip. The rotor must be tripped to rotate clockwise and the right edge adjustment screw should be turned counter clockwise to reduce the arc until it trips.

Setting the arc - Method #2:

1. Determine where the edges of the arc are by rotating the nozzle turret by hand and listening for the click sound or observe the trip during operation of the rotor.
2. Use the arc adjustment screws to increase or decrease the arc until the trip is at the desired location.

Method #1 is much faster though a little more complicated to learn. Method #2 is more conventional and easier to learn, but takes longer to accomplish.

Nozzle Installation



1. Insert the Pull up Tool into the socket in the top of the 8005 rotor. Pull the riser up to gain access to the nozzle opening and use the hold up tool to support the riser in this extended position.
2. Loosen the nozzle retainer screw until it no longer obstructs the nozzle opening in the nozzle housing.
3. Press the color-coded nozzle firmly into the opening until it is flush with the nozzle turret.
4. Tighten the nozzle retainer screw. The screw threads must engage the nozzle surface to ensure proper seating of the nozzle.
5. To remove the nozzle, loosen the nozzle retainer screw and insert a flat-bladed screwdriver into the slot on the lower right edge of the nozzle to pry it loose.