ENGLISH

PRE-SET THE ROTATION

Saturn III™ sprinklers are preset to rotate approximately 180°. Sprinklers may be adjusted with water on or off. It is recommended that the initial adjustment be made before installation.

1. Using the palm of your hand, rotate the nozzle turret counterclockwise to the left stop to complete any interrupted rotation cycle (Fig. 1).
2. Rotate the nozzle turret clockwise to the right stop. This is the fixed side of the arc. The nozzle turret must be held in this position for all arc adjustments. (Rotate the turret to test the arc pattern.)

To Increase the Arc

1. Insert a flat head screwdriver into the pattern adjustment slot (Fig. 2).
2. While holding the nozzle turret at the right stop, turn the screwdriver clockwise.
3. Adjust to any arc between 40° and 360°.
4. The adjustment slot will stop turning when adjusted to the maximum arc (360°). Do not try to force it past this stop.

To Decrease the Arc

1. Insert a flat head screwdriver into the pattern adjustment slot (Fig. 2).
2. While holding the nozzle turret at the right stop, turn the screwdriver counterclockwise.
3. Adjust to any arc between 40° and 360°.
4. The adjustment slot will stop turning when adjusted to the minimum arc (40°). Do not try to force it past this stop.

SPRINKLER INSTALLATION

Flush Lines

Turn the water on to thoroughly flush the lines of dirt and debris before installing any sprinkler heads.

Install the Sprinkler Head

1. Complete steps 1 & 2 under "Pre-Set the Rotation."
2. Select and install a riser to obtain before installing any sprinkler heads. Install the Sprinkler Head to the proper height (Fig. 3). When the sprinkler is buried the cap should be flush with the finish grade.
3. Thread the sprinkler onto the riser. When the threads are snug, visually orient the water direction arrows on top of the cap so that they point at the right stop (Fig. 2) by turning the entire sprinkler head on the riser. When the water is turned on, the sprinkler turret will begin to rotate toward the left stop. Note: Do not use pipe dope on the threads. If necessary, use thread seal tape.
4. Space adjacent heads for overlapping head-to-head coverage.

Radius Adjustment

Insert a screwdriver into the distance adjustment slot (Fig. 2). Turn the screw clockwise (into the stream of water) to decrease the radius or counterclockwise to increase the radius. (Do not rotate the screw too far counterclockwise or the nozzle or screw may come out).

Lifting the Riser

With the water turned off, you can manually lift the riser if needed. Insert a screwdriver into the lifting slot and pull upward (Fig. 4).

Warning: To avoid pinching hands or fingers, release the riser with caution.

NOZZLE INSTALLATION

1. To gain access to the nozzle socket, insert a flat-tipped screwdriver into the lifting slot (Fig. 4) and pull upward.
2. While holding the riser up with one hand, insert the flat-tipped screwdriver into the distance adjustment screw. Loosen the adjustment screw so it does not touch the nozzle.
3. Remove the installed nozzle using one of the following methods:
   - Insert a small flat-tipped screwdriver into the upper cavity of the nozzle and pry the nozzle away from the sprinkler head.
   - Pull on the nozzle with a pair of needle-nose pliers.
   - Briefly turn on the water
4. Slip the desired nozzle into the nozzle socket. Note: The nozzle "tab" should be located at the top (Fig. 5).
5. Tighten the distance adjustment screw down until it holds the nozzle in place.
6. Release the riser.

CLEANING THE FILTER

Caution: Follow these instructions carefully. Missing any step may cause damage to the wiper seal and result in impaired function.

1. Your Saturn III™ Gear Drive Sprinkler filter may need to be cleaned periodically. To access the filter, unscrew the cap and remove the cap/spring assembly from the body.
2. The filter can be pulled out from the bottom of the assembly and cleaned. (Use pliers if necessary.)
3. Replace the filter and screw the cap/spring assembly back on the sprinkler body.

WINTERIZING YOUR SYSTEM

In freezing climates, your sprinkler system must be drained prior to freezing to prevent damage.

1. Turn off the water supply.
2. Open all valves and manual drains to allow water to escape (compressed air can be used to completely purge the system of water).