

# Synchronizing the Control Head & Valve Body

To ensure proper operation of the system, the valve body and control head must be synchronized in the Service position. To achieve synchronization, proceed as follows:

## Control Head Positioning

On electronic units the controller should not be in the regeneration mode when performing this operation. Make sure the valve is in the service mode displaying the time and gallons remaining. Moving the control to the service position is covered in the system operating manual.

## Timer Cam Synchronization

1. Loosen the front cover screws and remove the front cover.
2. Make sure the switch cam is with the service mark (an arrow) in front; the upper micro switch should be deactivated by the service opening on the upper part of the switch cam. If this is not the case, (1) Loosen the locking screw from the switch cam, (2) Turn the switch cam right, to the correct position, and (3) Secure the locking screw.
3. Make sure the flat side on the worm drive shaft is pointing down and the mark on the drive shaft is pointing up.

## Valve Body

1. Remove the drain hose from the drain elbow.
2. Remove the bolts and nuts holding the valve body and cover together; lift the valve cover away from the valve body.
3. Make sure the arrow on the worm gear is pointing directly towards the second tooth on the worm drive shaft (facing the front of the control valve). The 2 holes in the rotor assembly should now be aligned exactly with the corresponding holes in the seal disk.
4. Make sure the valve cover O-ring is clean and installed securely around the raised rib on the valve cover.
5. Lower the valve cover straight down onto the valve body and press down firmly and evenly to seat the valve cover.
6. Reinstall the bolts and nuts; tighten them in a cross pattern.
7. Reinstall the drain hose to the drain line elbow.

