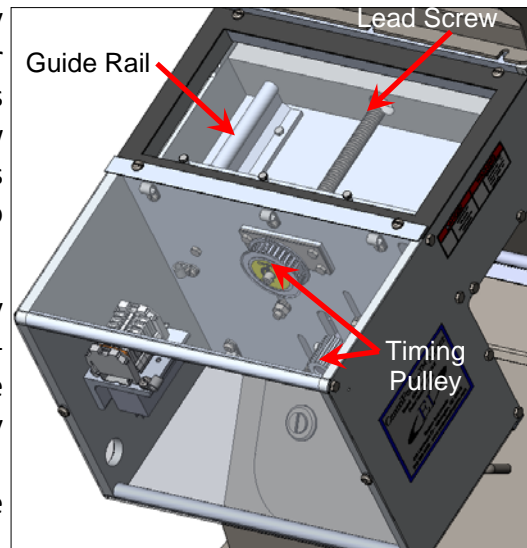


ICV Valve Inspection

The ICV Valve Inspection consists of three separate items, greasing the Lead Screw, changing the Timing Belt and inspecting the Thrust Bearing.

Lead Screw: To ensure that the valve is able to quickly and accurately move from position to position in order to maintain an accurate and consistent flow as well as to prolong the life of the valve itself, the Lead Screw must be inspected to ensure that enough grease is present. Follow the below procedure in order to grease the Lead Screw.

1. Ensuring that the Valve is completely closed, Remove the Valve Cover by first removing the screws on the front of the valve and on top of the valve and then, gently removing the two piece Valve Cover
2. Place a liberal amount of grease on the Lead Screw as indicated



With the Valve Cover removed, you can also inspect the Thrust Bearing and the Timing Belt.

Timing Belt: The Timing Belt is the belt that runs between the two Timing Pulleys on the front of the valve.

1. Inspect the Timing Belt to ensure that it has not become loose over time. If it has become loose, replace immediately
2. Replace the Timing Belt by first, placing the belt over the top Timing Pulley and then, pulling the belt downward over the bottom Timing Pulley

Thrust Bearing: The Thrust Bearings ensure the proper movement of the Lead Screw as the valve opens and closes.

1. Inspect the Thrust Bearings and ensure that there is no increase in the internal clearance or degradation of the tolerances. If any degradation is present, the valve must be sent back to Eastern Instruments for repair or an Eastern Instruments technician can visit in order to make the proper repairs/replacement. Please contact your EI representative immediately.