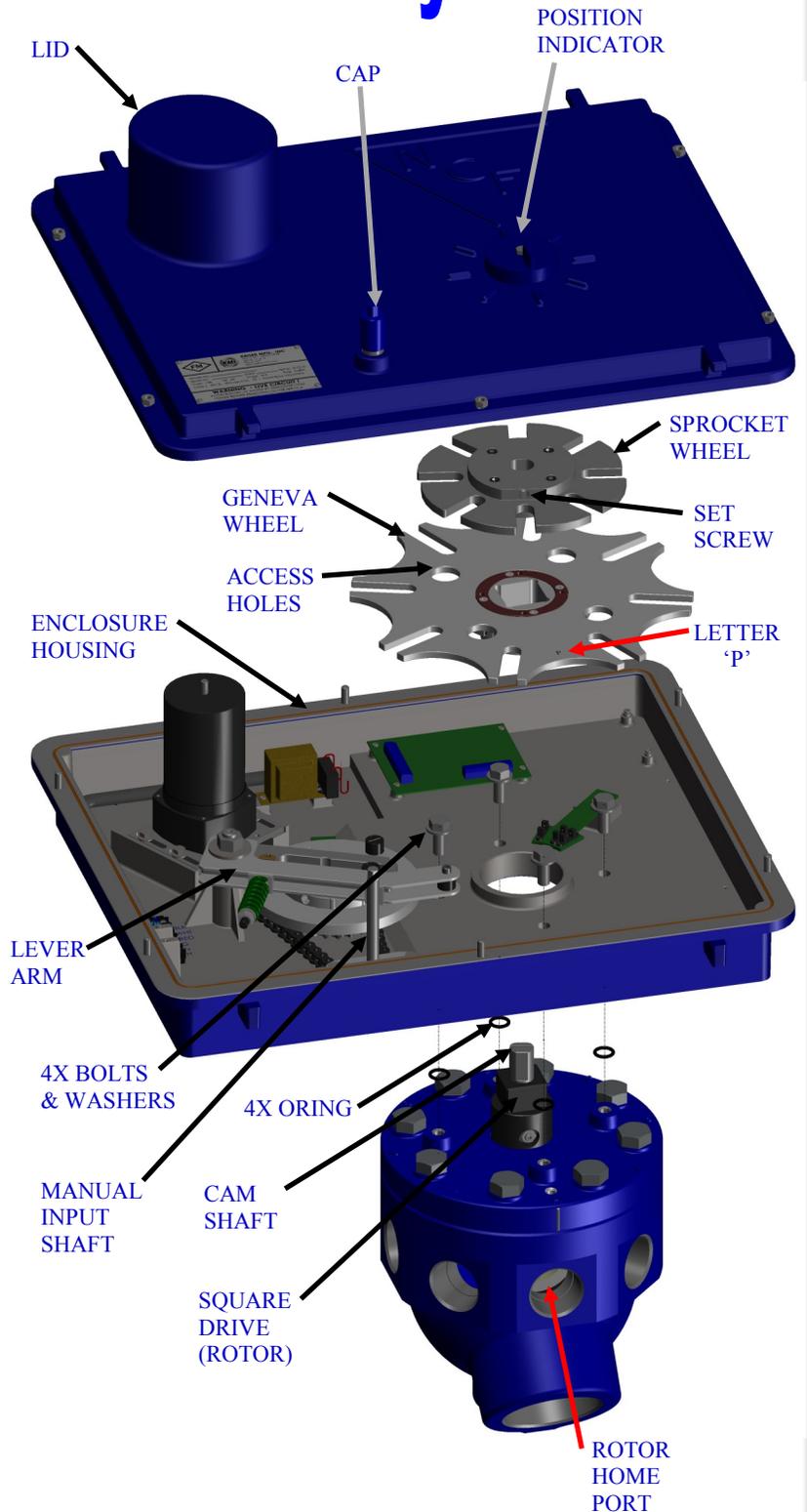


# RSV Actuator Assembly

## INSTRUCTIONS:

1. Align the enclosure with the group line of the RSV as shown. Place the 4 orings on the bottom of the enclosure into groove receptacles. This is essential in order to define the positioning.
2. Insert the 4 bolts & washers into the actuator and loosely tighten so that the enclosure can loosely move side to side. This will make the Geneva wheel assembly easier.
3. Put the Geneva wheel on to the square drive of the valve rotor making sure to align the letter 'P' with the rotor port. It helps to simplify the assembly by adding a light coating of grease to the orings on the Geneva wheel. Tighten the 4 bolts and washers through the access holes using a socket wrench.
4. Put the sprocket wheel on top of the Geneva wheel, over the cam shaft. While pushing down to overcome the detent springs, tighten the set screw.
5. Rotate the sprocket wheel clockwise until it stops. Now rotate it back counter clockwise until you feel/hear it click. This sets the timing of the sprocket wheel and lever arm to ensure proper engagement.
6. Refer to the IOM for the electronic control system you are using for proper wiring. When finished wiring, place the lid on top of the enclosure housing and tighten lid screws.
7. Place the lid on the enclosure housing. If the lid does not set flush with the enclosure, rotate the position indicator until the lid sets flush.
8. Tighten the 6 nuts around the perimeter of the lid to ~25 lbf-in.
9. Remove the cap. Rotate the manual input shaft CCW until the valve indexes to each port in order to ensure proper operation. If binding occurs, the mechanism will not rotate.



*Contact us if you have any questions.*



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