



Piston Motor Repair

Piston motors are very durable, and failure due to wear is extremely rare and often misdiagnosed.



The most common cause of failure is incorrectly plumbing the case drain, which results in a blown shaft seal, as noted in the [Rotation Circuits Requiring a Case Drain Tech Tip](#).

Stuck open cross-over relief or counterbalance valves can also be issues that seem to be a motor failure but don't involve the motor itself. See the [Stuck Open Cross-over Relief Valves Tech Tip](#) for additional information and note, the most common issue with cross-over relief valves can often be fixed without purchasing parts.

If you do have a rotation circuit issue, we recommend cleaning or replacing the rotation filters, which trap debris inside the rotation circuit and prevent it from going back to the excavator. It is also necessary to flush out the rest of the components so they don't recontaminate the circuit.

If you are experiencing rotation circuit issues, put two gauges on the diagnostic ports of the motion control valve and call us to help diagnose.

Genesis uses and stocks parts for the Hydro Leduc MA Series Motor. Specifications and product documentation are posted on the [Hydro Leduc website](#) or contact the [Genesis Parts Department](#) for ordering assistance.

If you suspect your attachment has a piston motor performance issue, contact Tim at 218-349-5755, talseth@genesisattachments.com, or Loren at 715-919-8316, llagesse@genesisattachments.com.