



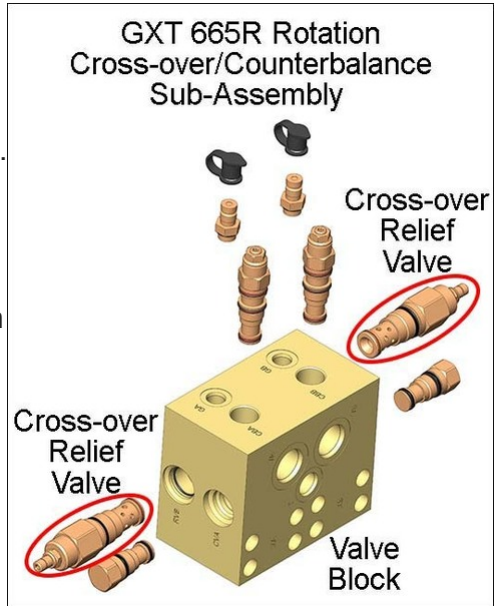
Stuck Open Cross-over Relief Valves

Cross-over relief valves help protect the rotation circuit from excessive back-driving pressures that can be induced into the motor during operation.

Physical impacts to the shear, processing material that is too hard, sweeping the ground, pulling with an excavator, and handling large objects that outweigh the attachment motor's capacity are typical causes of back-driving pressure.

A cross-over relief valve may get stuck open between the plunger and nose if tiny pieces of debris get caught while the valve is open. This will cause the rotation motor to suddenly stop working.

If you suspect this has happened, pull the two cross-over relief valves from the motion control valve assembly, clean them off and blow into each valve nose. If air passes through, it is stuck open.



To remove the debris, put the valve nut body into a vise, crack the jam nut on the stem and back the stem out until it stops. Push down on the plunger with a screwdriver to unseat it from the valve nose while blowing air or brake cleaner through the ports. Try blowing air through it again and repeat the process until the plunger is seated and air will not pass through.



Turn the stem back to its original position and snug the jam nut. Install the valve back into the motion control manifold and torque to 150 ft lbs.

If you have valve or other rotation circuit questions, contact Tim at 218-349-5755, talseth@genesisattachments.com