

EXCESSIVE DISC WEAR

Cause	Correction
Air Gap	
Low solenoid air gap	<i>Reset air gap (refer to Brake Series Instruction Sheet)</i>
Disc pack dragging	<i>Inspect endplate, hub and discs for dirt, burrs, wiring and other sources of interference preventing disc "float"</i>
Pinion teeth excessively worn (Self Adjusting Brake Series only)	<i>Replace lever arm/pinion assembly</i>
Cycle Rate	
Brake "jogging" exceeding coil cycle rate	<i>Reduce cycle rate or consider alternate control method</i>
Thermal capacity is being exceeded	<i>Reduce cycle rate, use alternate control method or increase brake size</i>
Alignment	
Brake endplate not concentric to motor C-Face	<i>Motor register must be within .004" on concentricity; consult motor manufacturer</i>
Motor shaft runout is excessive	<i>Must be within .002" runout. Consult motor manufacturer</i>
Brake is being operated on an incline greater than 15° above or below horizontal	<i>Vertical separator springs must be used to prevent discs from becoming cocked</i>
Worn Parts	
Endplate, stationary disc or pressure plate warped or worn unevenly	<i>Replace warped or worn component</i>
Linkages and/or pivot pins worn	<i>Replace all worn components</i>
Motor shaft endfloat excessive	<i>Endfloat must not exceed .020"; consult motor manufacturer</i>
Hub	
Burr on hub interfering with disc "float"	<i>File off burr</i>
Set screw backed out and interfering with disc	<i>Retighten set screw use Loctite® 242 to help secure</i>
Miscellaneous	
Solenoid plunger not pulling in completely	<i>Check line voltage (±10% of nameplate rating) or replace worn solenoid assembly</i>
Wiring is restricting disc pack movement	<i>Re-route wiring</i>
Excessive stop times (2 seconds or greater)	<i>Increase brake size/torque or use alternate control method</i>
High Ambient temperature (in excess of 110°F)	<i>Reduce cycle rate or use alternate method of cooling</i>

Consult factory (414) 277-4328 if you need further assistance.