

## Brake Friction/ Linings

CONDITION	CAUSE	CORRECTION
Damaged linings.	<ol style="list-style-type: none"> <li>1. Lining thickness worn below OE specifications.</li> <li>2. Lining wear not even.</li>   <li>3. Cracked or broken linings.</li> <li>4. Oil or grease on linings.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace linings.</li>   <li>2 Inspect piston. Service as necessary. Caliper bore diameter worn below OE specifications: <ul style="list-style-type: none"> <li>• Replace caliper</li> <li><i>Inspect housing for clogged fluid passages:</i></li> <li>• Service as necessary</li> <li><i>Worn end plates:</i></li> <li>• Replace end plates</li> </ul> </li>   <li>3. Replace linings.</li> <li>4. Replace linings.</li> </ol>

Braking force not equal or lining wear not even.	<ul style="list-style-type: none"> <li>• Hydraulic cylinder seal or air chamber diaphragm damaged.</li> <li>• Wedge rod pulled out of wedge guide on push rod of air chamber or pulled out of piston in hydraulic cylinder.</li> <li>• Wedge rollers and cage pulled out of slots in plungers.</li> <li>• Plungers corroded or cannot move freely.</li> <li>• Brakes not adjusted correctly.</li> <li>• Grease or other contamination on brake linings.</li> <li>• Brake shoes installed backward.</li> <li>• Brake linings installed in wrong positions on shoes.</li> <li>• Drum has runout above OE specifications.</li> <li>• Wheel bearings not adjusted correctly.</li> <li>• Linings that are not the specified kind are installed.</li> </ul>	<ul style="list-style-type: none"> <li>• Repair or replace hydraulic cylinder or air chamber.</li> <li>• Install wedge rod correctly.</li> <li>• Install wedge correctly.</li> <li>• Repair or replace plungers.</li> <li>• Adjust brakes.</li> <li>• Clean or replace brake linings.</li> <li>• Install brake shoes correctly.</li> <li>• Install linings in correct positions.</li> <li>• Repair or replace drum.</li> <li>• Adjust wheel bearings.</li> <li>• Replace with specified linings.</li> </ul>
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