

# 3.5 Mechanical Brake Components

Information	Method of Inspection	Reason for Rejection
<p>It is acceptable to fit cable expanders to reduce maladjustment.</p>	<ol style="list-style-type: none"><li>1. Check the mechanical brake components for<ol style="list-style-type: none"><li>a. chafed rods or levers</li><li>b. frayed or knotted cables</li><li>c. free rotation of clevis joints between cables and levers (this includes cable linkages between brake pedals and remote mounted servos)</li><li>d. a corroded or damaged rod, lever or linkage. Wear in eyes of relay levers, clevis joints, stationary pins or pivots.</li><li>e. abnormal movement of levers, indicating maladjustment or excessive wear</li><li>f. security and excessive wear of brake linings/pads</li><li>g. contamination of brake discs and drums by leaking brake fluid, oil or grease.</li><li>h. the condition and security of brake drums and discs</li></ol></li></ol>	<ol style="list-style-type: none"><li>1.<ol style="list-style-type: none"><li>a. A brake rod or lever reduced in thickness by more than 1/3<sup>rd</sup></li><li>b. a brake cable<ul style="list-style-type: none"><li>▪ knotted or,</li><li>▪ with wires broken so that the cable is weakened significantly</li></ul></li><li>c. seizure of clevis joint pivots which causes strain or wear to cables to an extent likely to lead to premature failure of the cable</li><li>d. Serious weakening of any part due to excessive wear, damage or corrosion</li><li>e. abnormal movement of levers, indicating maladjustment or excessive wear</li><li>f. a brake lining or pad insecure or less than 1.5 mm thick at any point</li><li>g. a brake disc or drum contaminated by brake fluid, oil or grease</li><li>h. a brake disc or drum insecure, cracked or excessively scored, pitted or worn</li></ol></li></ol>

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	<b>Method of Inspection</b>	<b>Reason for Rejection</b>
	<p>i. presence and security of brake back plates, wheel cylinders and calipers</p> <p>j. restriction of free movement</p> <p>k. presence and security of locking devices. <b>Note:</b> On some vehicles, locking devices may not be obvious. However, if there is evidence of disturbance or change, inform the vehicle presenter.</p>	<p>i. a brake back plate, wheel cylinder or caliper securing device loose, missing or excessively deteriorated</p> <p>j. restricted free movement of brake components</p> <p>k. a locking device missing or insecure.</p>

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