

# MECHANICAL BRAKE COMPONENTS

## INFORMATION

This inspection applies to all vehicles.

## METHOD OF INSPECTION

1. Check the mechanical brake components for:

- a. Chafed rods or levers,
- b. Corroded, fray or knotted cables,

**Note:**

It is acceptable to fit cable expanders to reduce maladjustment.

- c. Condition of cable guides
- d. Free rotation of clevis joints between cables and levers (this includes cable linkages between brake pedals and remote mounted servos),
- e. Security of cables, rods, and clevis joints
- f. A corroded or damaged rod, lever or linkage. Wear in eyes of relay levers, clevis joints, stationary pins or pivots,
- g. Abnormal movement of levers, indicating maladjustment or excessive wear,
- h. Security and excessive wear of brake linings/pads,
- i. Contamination of brake discs and drums by leaking brake fluid, oil grease,
- j. The condition and security of brake drums and discs,
- k. Presence and security of brake back plates/calipers,
- l. Restriction of free movement,
- m. Presence and security of locking devices.

**Note:**

On some vehicles, locking devices may not be obvious. However, if there is evidence of disturbance or change, inform the vehicle presenter.

- n. Condition and operation of brake slack adjusters
- o. Any inappropriate repair or modification.

## REASON FOR REJECTION

	Deficiency Category
1.	
a. A brake rod or lever reduced in thickness by more than 1/3rd,	MAJOR
b. A brake cable corroded, knotted or with wires broken so that it is weakened significantly,	MAJOR
c. A brake cable guide defective	MAJOR
d. Seizure of clevis joint pivots which causes strain or wear to cables to an extent likely to lead to premature failure of the cable,	MAJOR
e. A cable, rod or clevis joint insecure	MAJOR
f. Serious weakening of any part due to excessive wear, damage or corrosion,	MAJOR
g. Abnormal movement of levers indicating maladjustment or excessive wear,	MAJOR
h. A brake lining or pad insecure or less than 1.5 mm thick at any point,	DANGEROUS
i. A brake disc or drum contaminated by brake fluid, oil or grease,	MAJOR
j. A brake disc or drum in such a condition that it is seriously weakened or insecure,	MAJOR
k. A brake disc or drum cracked, or excessively scored, pitted, worn, or brake contact area significantly reduced,	MAJOR
l. A brake back plate, wheel cylinder or calliper securing device loose, missing or excessively deteriorated,	MAJOR

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|----|---------------------------------------------------------------------|-------|
| m. | Restricted free movement of brake components,                       | MAJOR |
| n. | A locking device missing or insecure.                               | MAJOR |
| o. | A brake slack adjuster obviously defective or incorrectly installed | MAJOR |
| p. | A mechanical brake component inappropriately repaired or modified.  | MAJOR |