

VEHICLE INSPECTION BULLETIN

Re: Vehicle Inspection Manual
Hydraulic Brake and Air Brake Internal Inspections

Air Brake

INTERNAL BRAKE INSPECTIONS

Regardless of the number of axles, all vehicles fitted with original equipment brakes by the manufacturer must have brakes in proper working order before the vehicle can pass inspection.

Internal brake components of brake systems shall be inspected as follows:

- 1) When evidence of defect(s) on internal brake components is disclosed during inspection of external or internal brake components, the affected brake drum(s) shall be removed for further inspection and repair.
- 2) When no evidence of brake defect(s) exists, inspection of internal components shall be carried out as follows:
 - a) remove brake drums and inspect internal brake components, **measure and record** internal brake drum diameter, and **measure and record** brake lining edge thickness at centre of brake shoe; or
 - b) if fitted with removable dust shields or no dust shields are in place:
 - i) with dust shields removed, inspect internal brake components, **measure and record** internal brake drum diameter, and **measure and record** brake lining edge thickness at centre of brake shoe; or,
 - ii) with dust shields removed, inspect internal brake components, perform a camshaft rotation test and **record measurement** obtained;
 - c) if fitted with non-removable dust shields/backing plates:
 - i) when proof of wheel removal and inspection of internal brake components conducted within the preceding 24 months is provided by the vehicle owner, perform a visual inspection through the inspection holes; and
 - ii) when proof of wheel removal is not provided, or no inspection holes are present, remove brake drums and inspect internal brake components, **measure and record** internal brake drum diameter, and **measure and record** brake lining edge thickness at centre of brake shoe.

NOTE: Proof of brake drum removal and inspection of internal brake components shall include brake drum inside diameter and brake lining thickness measurements. Onus for providing proof of inspection of internal brake components is on the registered owner of the vehicle or a person designated by the owner.

All required measurements must be recorded on the MV3104 in the brake section.

Ministry of Public Safety
and Solicitor General

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Hydraulic Brake System
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Mike Woods
Manager
Vehicle Inspection & Standards