

ROADSIDE INSPECTION PROCEDURES*

ROADSIDE INSPECTION PROCEDURES

BENDIX® SB7** AIR DISC BRAKE WITH EXPOSED FLOATING PIN

This vehicle is equipped with air disc brakes and therefore, cannot be inspected using the requirements for chamber stroke or visible lining clearance or lining thickness as specified for drum brakes. The roadside inspector should use the following instructions as a basic indication that the air disc brakes are within proper adjustment and have sufficient pad wear thickness.

Brake Adjustment Inspection:

The Bendix air disc brake caliper is designed to move freely, with minimal force, in the axial direction on the two sliding pins as identified in Figure 1. The movement in the axial direction should not exceed 2 mm (.080"). This movement can be measured by pushing the brake into the wheel and measuring the floating pin location, then pulling the brake inboard and measuring the pin location. The difference between these measurements should not exceed 2mm (.080").

Pad Thickness Inspection:

The pad thickness can be viewed, but would require removal of the tire and rim. An indicator of the pad wear condition is available by inspecting the floating pin location in relationship to the rubber bushing as shown in Figures 2 and 3. When pads are in new thickness condition, the pin will be exposed 15 mm (.590"). When the pads are worn to replacement conditions the pin will be recessed inside the bushing 4mm (.157") to 8mm (.315") depending on rotor wear. Once the pin is recessed 4mm (.157") the tire should be removed and the pads and rotors inspected per Service Data Sheet SD-23-7550.

Questions? Want More Information?

Contact the Air Disc Brake team at Bendix Commercial Vehicle Systems LLC at 1-800-AIR-BRAKE (800-247-2725) or www.bendix.com today.

*Not intended as "out-of-service" criteria - wheel removal inspection required to determine actual pad and rotor thickness

** Part number on nameplate starts with "SB7"

FIGURE 1

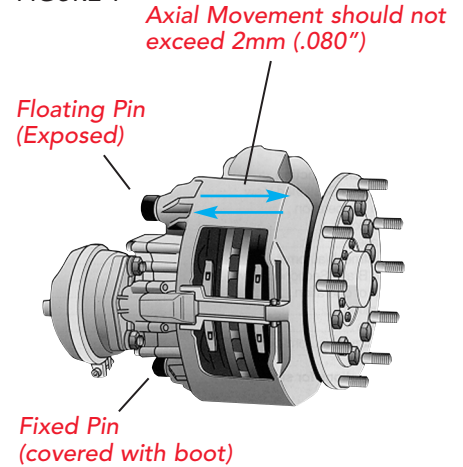


FIGURE 2: New Pads 15mm (.590")

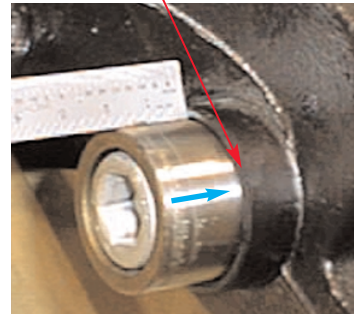


FIGURE 3: Worn Pads 4 to 8mm (.157" to .315")



Bendix Commercial Vehicle Systems LLC

901 Cleveland Street • Elyria, Ohio 44035 • 1-800-AIR-BRAKE (1-800-247-2725) • www.bendix.com
BW2256 • ©2004 Bendix Commercial Vehicle Systems LLC, a member of the Knorr-Bremse Group • 3/04 • All Rights Reserved