



# Service Bulletin No. 1039

**MODEL** : T900 Series, T2100 Series, C2045

**TYPE** : Service information

**MANUAL &**

**SECTION** : Maintenance Manual :  
Chapter 5 - Brakes

**DATE** : March 31<sup>st</sup>, 2000

**SUBJECT** : D3 disc brake adjustment

**CONDITIONS** : Service information only

## **DESCRIPTION:**

The purpose of the present Service Bulletin is to draw attention to the adjustment of D3 disc brakes on T900, T2100, and C2045 coaches. Experience in the field has shown that in some cases the adjuster stem locknut has not been properly torqued, after renewal of the brake pads. Maintenance and service staff should be aware that improper brake adjustment can result in premature pad wear and cracking of the disc.

## **SERVICE PROCEDURE:**

1. Check that, with the brake pads renewed, the adjuster stem locknut is backed off as far as possible, the adjuster stem is completely pushed in to engage the adjuster wheel, and the spreader plate is fully withdrawn.
2. Turn the adjuster stem in the direction opposite the direction of movement of the operating lever during brake application, until both pads are in contact with the disc (see Figure 1). When the pads contact the disc, the effort to rotate the adjusting stem will increase. Do not exceed a torque of  $6 \pm 2$  ft.lbf. to avoid damage to the hexagon end. The adjuster stem should then be turned back  $\frac{1}{2}$  to  $\frac{3}{4}$  of a revolution to achieve the necessary lining-to-disc clearance.

*Service Procedure continued on next page.*

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

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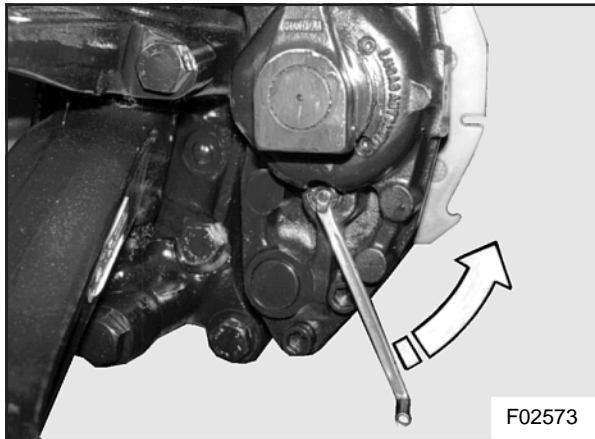


Figure 1 : Turning the adjuster stem in the direction opposite the direction of operating lever movement.

3. At the operating lever side of the caliper, measure lining-to-disc clearance with a feeler gauge (correct total clearance : 0.6 to 0.75 mm/0.025 to 0.030 inch. See Figure 2). Adjust by turning the adjuster stem in the proper direction.

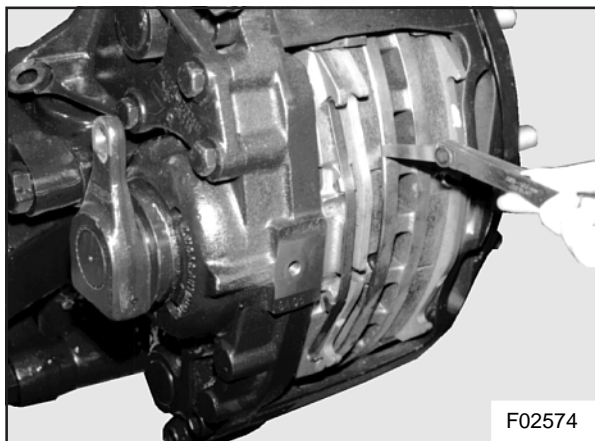


Figure 2 : Checking lining-to-disc clearance.

4. Pull the adjuster stem back (1, Figure 3), until a stop is felt.

**!!!CAUTION!!!**

**PREVENT ROTATION OF THE ADJUSTER STEM (1) BY USING A 7 MM WRENCH, WHEN TIGHTENING LOCKNUT (2).**

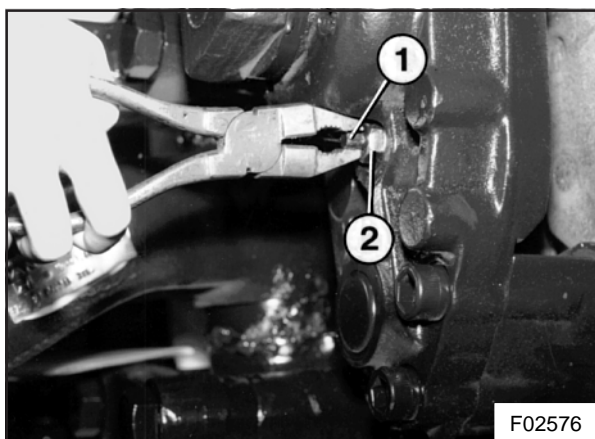


Figure 3 : Pulling back the adjuster stem with combination pliers

1. Adjuster stem
2. Locknut

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While holding the adjuster stem (1) steady, tighten locknut (2) to a torque of 10 + 2 ft.lbf.

**!!!CAUTION!!!**

**GREASE THE ADJUSTER STEM WITH WATER-RESISTANT LUBRICANT  
TO PREVENT RUST AND DIRT.**

Refit the manual adjuster stem cap.

*Service procedure complete.*

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