ABC COMPANIES
Exclusive U.S. VANHOOL Distributor

TECH TIPS
#1216

COACH MODEL : All Models With Knorr Brakes

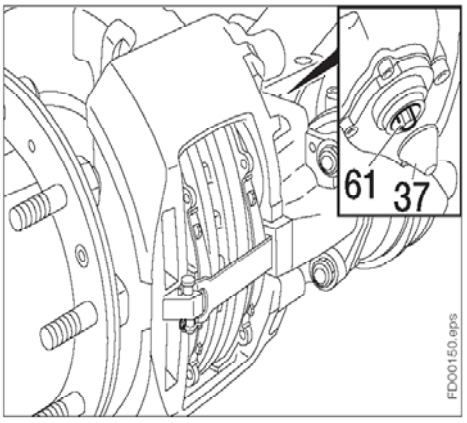
DATE : 10/9/2012

SUBJECT : Knorr Brake Caliper Functional and Visual Check

Adjuster Check

⚠ Before starting service work, ensure the service brake and parking brake, as well as the bus stop temporary hold brake, if fitted, are not applied and that the vehicle cannot roll away.

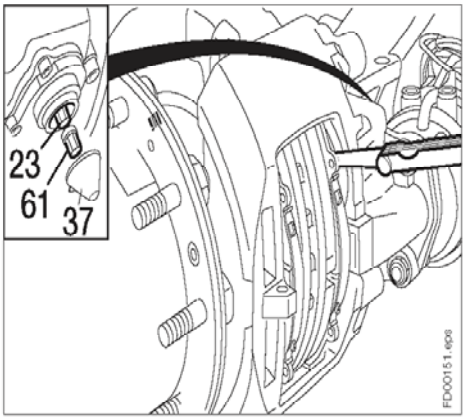
The caliper assembly should be pushed inboard on its Guide Pins. Using a suitable tool, press the inboard pad (12) away from the Tappets and check the gap between Tappet and inboard pad backplate - it should be between 0.6mm & 1.1mm.



⚠ If the clearance is too wide, there is a danger of brake failure. If the clearance is too small, there is a danger of overheating. That may lead to consequential damage.

If the running clearance is too small or too large, the adjuster may not be functioning correctly and should be checked as follows.

Pull off the Adjuster Cap (37) using the tag, taking care not to lose the Shear Adapter (61).

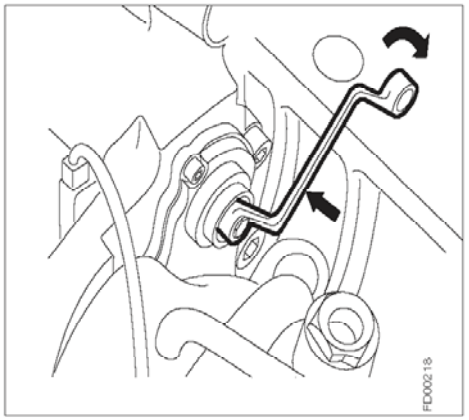


The Adjuster (23) must be turned with the Shear Adapter (61) anti-clockwise for 2 or 3 clicks (increasing running clearance).

⚠ Never turn Adjuster (23) without Shear Adapter (61) being fitted. If the shear torque of the Shear Adapter is exceeded, then it is designed to fail. Try again with a new (unused) Shear Adapter. With a second failure of the Shear Adapter the Caliper must be exchanged since internal damage is present. Do not use an open-ended spanner as this may damage the Adapter

⚠ Make sure that the Ring Spanner or Socket can turn freely clockwise during following procedure.

By applying the brake 5 to 10 times the Spanner or Socket should turn clockwise in small increments if the Adapter is functioning correctly (see notes below).



Note:
As the number of applications increases, incremental movement will decrease.

Note:
If the Spanner or Socket does not turn or turns only with the first application or turns forward and backward with every application, the automatic Adjuster has failed and the Caliper must be replaced.

For replacement socket order:
Kit, Adjuster Cap Part# N508226024

Note:
Refer to Maintenance Manual for more information.