



SBS BRAKES
STOP N' ROLL



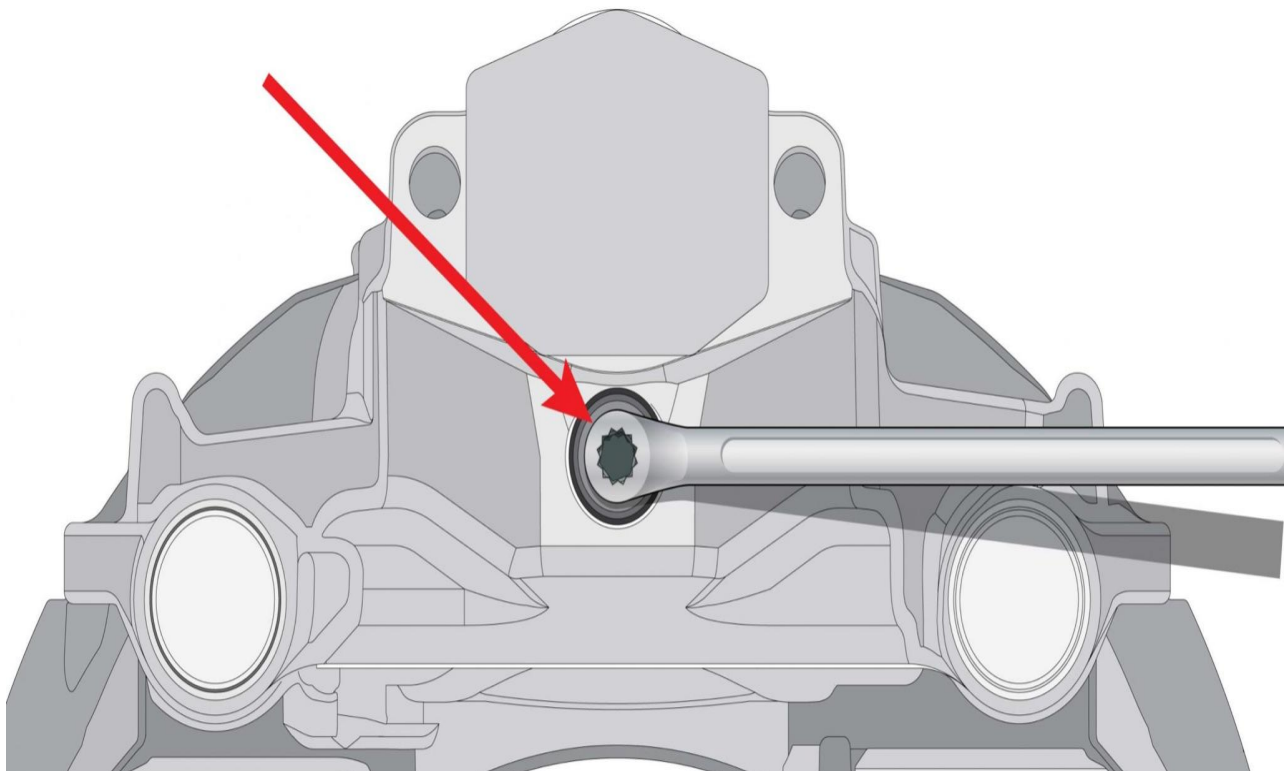
Air Disc Brake Caliper Self-Adjust Operation Check

NOTE: The following instructions apply to Wabco and Knorr-Bremse/Bendix air disc brake systems commonly used by Hendrickson suspensions and other suspension manufacturers.

Inspect the adjuster, adjuster boots, and plug seals for wear, damage, or deterioration.

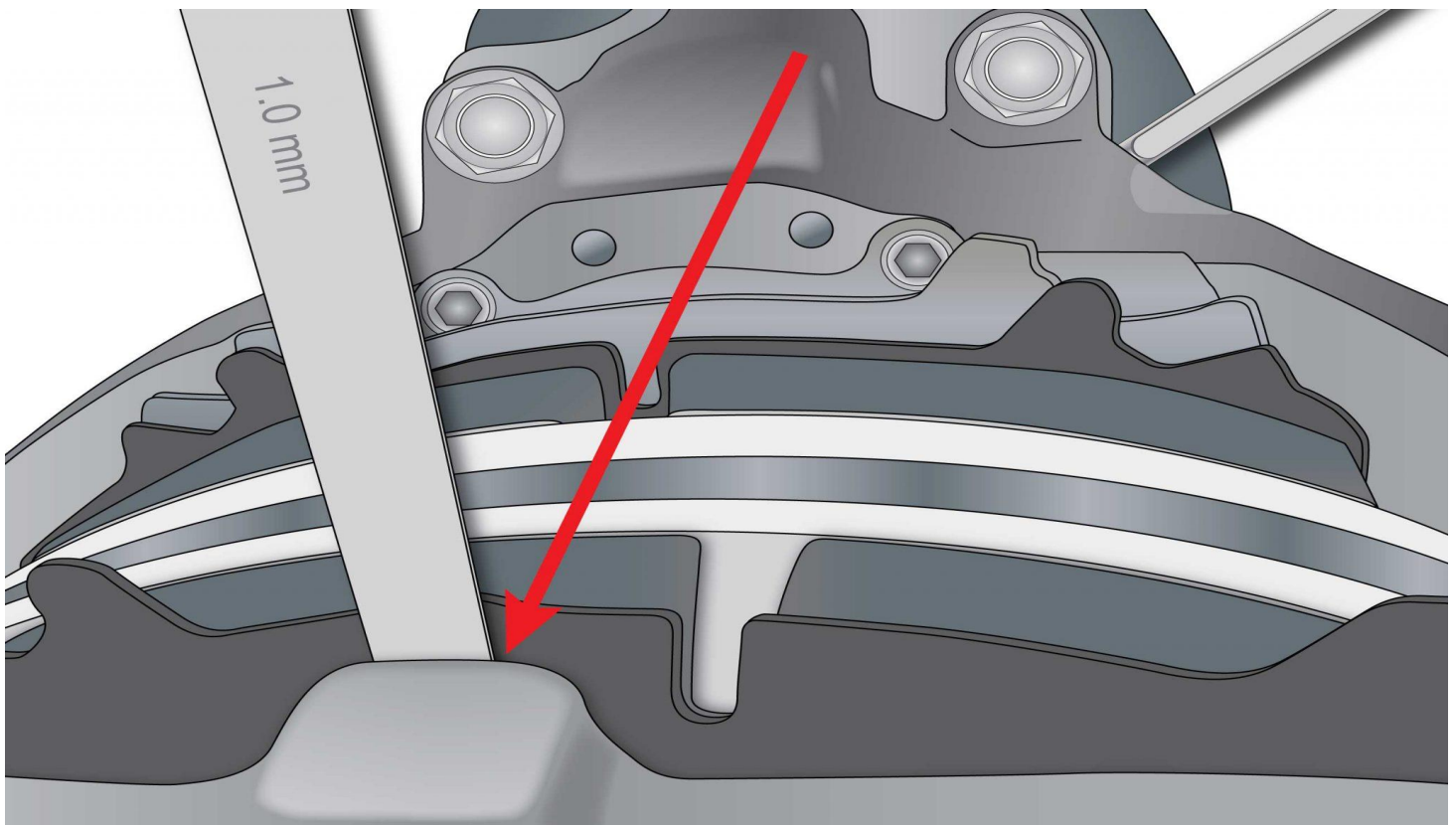
For Wabco air disc brake systems, use an 8-mm deep offset spanner to turn the adjuster half a turn clockwise. For Knorr-Bremse/Bendix air disc brake systems, use a 10-mm deep offset box spanner. Leave the spanner on the adjuster.

With the spanner in place, have an assistant gently apply the brakes five times while you observe the spanner for movement. If the adjuster is operating correctly, the spanner will move anticlockwise on Wabco air disc brake calipers and clockwise on Knorr-Bremse/Bendix air disc brake calipers with each brake application.



Wabco type Air Disc Brake Calipers:

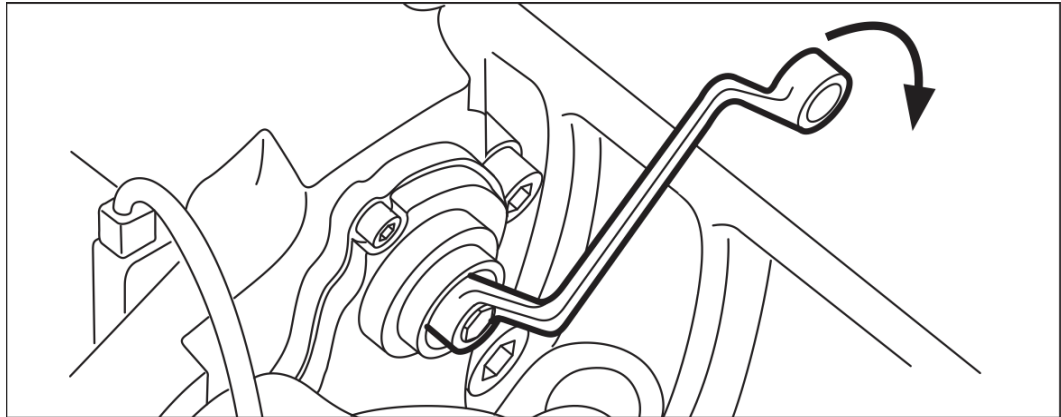
- Central Tappet Adjustment:
 - Use an appropriate spanner to adjust brake pad clearance.
 - Wabco air disc brake calipers feature a central tappet.
 - Set the air disc brake pad clearance to 1 mm (0.040") using a long feeler gauge placed in the center of the pad, between the outboard side of the caliper and the back of the brake pad.
- Verification:
 - After adjustment, carefully remove the feeler gauge.
 - Rotate the wheel hub to ensure it spins freely without any brake drag.



Knorr-Bremse SN7/ST7/SB7/SK7/Bendix ADB22X type Air Disc Brake Calipers:

Shear Adapter Usage:

- The Knorr-Bremse/Bendix air disc brake caliper adjuster includes a shear adapter.
- The shear adapter is designed to break off if excessive torque is applied.
- If the adjuster sticks, rock it back and forth to free it before adjustment.
- Position a box-end wrench on the shear adapter in a manner that allows for clockwise rotation without interference with vehicle components, ensuring the adjuster mechanism can be normally backed off. Apply the brakes moderately five to ten times at around 30 psi (2 Bar), and observe that the box-end wrench or socket turns clockwise in small increments.



Shear Adapter Replacement:

- If the shear adapter breaks, attempt adjustment with a second shear adapter..

Dual Tappet Adjustment:

- Knorr-Bremse/Bendix air disc brake calipers have two tappets.
- Use long 1.0 mm (0.040") feeler gauges between the tappets and the air disc brake pad backing plate for adjustment.

Verification:

- After adjustment, remove feeler gauges.
- Rotate the wheel hub to ensure it spins freely without any brake drag.

Replace the air disc brake caliper if issues such as lack of adjuster movement or irregular movement are observed.

