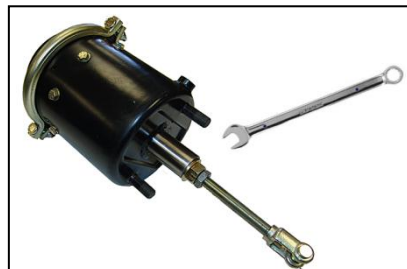


Maxibrake Installation Instructions

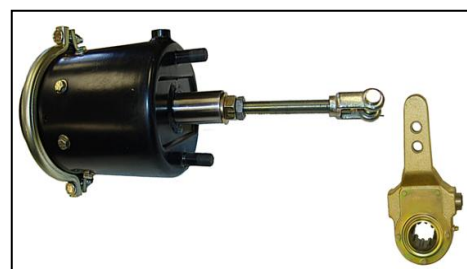


CAUTION:

Always block wheels to prevent vehicle moving when deactivating brake system. Install spring brake components and piping in accordance with approved system diagram.



1. Remove service brake chambers from mounting brackets (observe location of air inlets.) Position spring brake on bracket; run on stud nuts and torque.

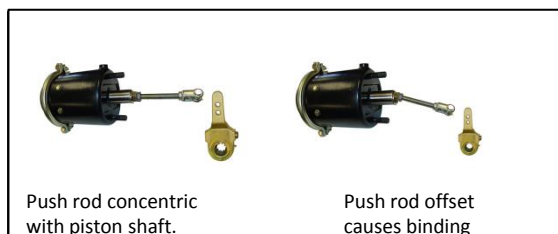


2. Connect shop air to spring chamber to compress spring. Adjust slack adjuster so it is perpendicular to push rod at 50% of stroke. Connect yoke to slack adjuster. Remove air.



3. Connect service air to spring brake. With spring brake released, check clearance between flange nut and piston neck. Gap should be $1/16"$ to $1/8"$. Tighten jam nut.

CAUTION: Maxibrake spring brake products are mechanical devices, which are subject to wear after extended use. Inspection and service of the unit at regular intervals, but no less than once per year is recommended. Parts showing sign of wear, deterioration or damage require replacement to insure maximum operating efficiency.



Push rod concentric with piston shaft.

Push rod offset causes binding

4. Check push rod operation. Apply service brake. Push rod should clear opening in piston shaft at minimum and maximum service brake stroke.



5. Adjust your slack adjuster so push rod travel is short as possible without brake shoe dragging.

Brake system leakage check

Service brake air supply system

Start engine and build up maximum air pressure. With engine stopped and spring brake applied check air gauge for drop in pressure. A drop will indicate leaks in the supply.

Maxibrake spring brake system

Release spring brake. Check air gauge for drop in pressure. A drop will indicate leaks in the system beyond the control valve.

Service Brake application system

With the unit released, fully apply service brake by the use of the foot valve. Check air gauge for drop in pressure. A drop will indicate leaks in the application system beyond the foot valve. An air pressure drop of over 3 pounds in 1 minute for single vehicles, or 4 pounds in 1 minute for vehicle combinations, indicates that there are excessive leaks and they should be repaired.