SERVICE BULLETIN

Life Seal® Spring Brake
Preventative Maintenance Information

LIFE SEAL®

Subject: Spring Brake Preventative Maintenance Information for Haldex Life Seal® Models.

Recommended Preventative Maintenance
Preventative maintenance is recommended every six months or every 50,000 miles (80,000 km).

IMPORTANT: ALWAYS BLOCK WHEELS to prevent vehicle rollaway when performing any brake maintenance.

1. Check condition of the foundation brakes including drums, shoes and linings, rollers bushings, s-cams, etc. Parts showing signs of wear, deterioration or damage should be replaced.

2. Check for evidence of corrosion and/or structural damage to the spring brake and slack adjuster. If the spring brake or adjuster is past the warranty period and there is evidence of rust, corrosion, deterioration or damage then the item should be replaced.

3. Mechanically release the parking brake according to the procedure below.

   To cage park brake compression spring (release park brake), turn release tool nut counter clockwise with hand wrench **(DO NOT USE HIGH SPEED OR POWER DRIVEN IMPACT WRENCH)** and make certain push rod is retracting (Figure 1).

IMPORTANT: Do Not over torque release tool assembly. Over torquing can cause pressure plate damage.

Figure 1. Life Seal Models

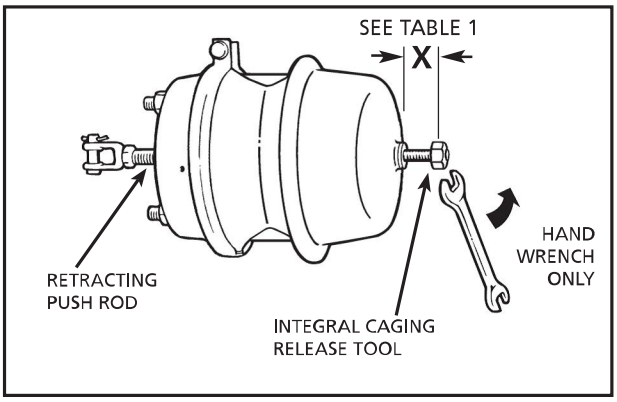

Table 1

Chamber Type	Stroke X	Minimum X	Maximum X
LC2430	2½"	2.4" (61.0mm)	2.56" (65.0mm)
LC3030	2½"	2.4" (61.0mm)	2.56" (65.0mm)
LC2430L	3"	2.9" (73.7mm)	3.06" (77.7mm)
LC3030L	3"	2.9" (73.7mm)	3.06" (77.7mm)

Caging nut torque should not exceed 55 ft. lb.(74 N·m) Maximum, counter clockwise.

To be certain that the compression spring is fully caged, the stud length X dimensions should measure as shown in Table 1.

IMPORTANT: If dimension of stud length is less than the minimum measurement, the brake unit must be replaced.

Please refer to the Haldex L31171 or L00092 for Replacement Instructions.

4. Apply the Service Brakes. Check the air lines and fittings for leaks. Check for proper torque according to Table 2.

TO UNCAGE PARK BRAKE COMPRESSION SPRING (APPLY PARK BRAKE)

1. Turn release tool nut clockwise with hand wrench **(DO NOT USE HIGH SPEED OR POWER DRIVEN IMPACT WRENCH).** This procedure will be made much easier if air pressure (100-120 psig; 6.6-8.0 BAR) is used to collapse the spring.

2. Turn release tool nut until contact is made with the chamber. Torque to 55 ft. lb. (74N·m). Torque value is stamped on chamber (Figure 2).

DANGER: Use of an air gun, air ratchet or air powered nut runner can cause internal damage to the spring brake which will void the warranty.

Table 2 Installation Torque Values

Description	Torque
Mounting Hardware	130-150 lb. ft. (177-203 Nm)
Jam Nut	15-25 lb. ft. (20-34 Nm)
Port Plug or Reducer	15-20 lb. ft. (20-27 Nm)
Air Fittings	25-30 lb. ft. (34-40 Nm)
Life Seal - Release Tool Nut	55 lb. ft. (74 Nm)
Carriage Bolt Nuts (for clamps)	20-30 lb. ft. (27-40 Nm)

Figure 2