This LSAS system is designed to automatically lower one or more lift axles on a trailer when a load is sensed. This prevents overloading of the static (down) axles and proportions the load over all of the axles.

The axle(s) can be manually lowered at any time or raised when there is no load sensed. The axle(s) will automatically lower if attempts are made to raise them when a load is sensed.

The LSAS is all pneumatic and does not rely on electrical power to operate. It will not change modes (drop or lift) when the power circuit is non existent, faulty or the voltage drops. An optional internal switch and harness set are available to illuminate a status lamp when the lift axle(s) are raised.

The valve body can be mounted within an enclosure or outside if protected from heavy splash and contamination. It has excellent low temperature operational characteristics and features a trigger gain feature for extra security against false deployment.

The deployment trigger reacts to pressure in the static (down) axle’s ride springs. Adjustment of the trigger pressure is accomplished by turning the adjustment screw located on the back of the valve. The adjustment range is from 25 to 75 psi. A security label is included to seal off the adjustment screw and indicate whether the adjustment level has been tampered with.
Load Sensing Axle System (LSAS) - Included Accessories

These Items Are Required For Western Canadian Applications

**Load Sensing Axle System**

**WARNING!!!**

Stand Clear Of Axle – It May Move At Any Time!

This trailer is equipped with a load sensing axle system. It is designed to prevent axles from lifting when a load is present. Do not tamper with the valve trigger setting without consulting the trailer manufacturer.

**Sealco Commercial Vehicle Products**


Adjuster Cap Parts

1. The Side Up

**Sealco Load Sensing Axle System (LSAS)**

**WARNING**

Be sure axle travel is clear before changing position. Do not attempt to raise the axle when the trailer is loaded!

138000 Load Sensing Axle System

112 2 3 4 5 6

9117 Adjustment Set Pin

9112 Adjuster Head Weather Cap

8191 Twist Style Cable Seal

(Six Digit Serial Number)

8168 LSAS Label Set

One Knob Label

Two Axle Labels

These Items Are Required For Western Canadian Applications
Load Sensing Axle System (LSAS) - Status Lamp Harness

Plug and play harness parts to enable a status lamp feature. These parts are optional and not included with the system.

**138PC 12 Power Cable**
Taps the blue wire circuit for status lamp power. Connects in line to standard Packard equipped ABS power cables. The outlet connector is a sealed Weatherpack two pole connector. Overall length is 12" with a 12" outlet lead.

**138PEC Series Power Extension Cables**
Standard two wire Weatherpack cables to extend the reach of the status lamp and the power inlet. Standard lengths are 90", 120", 180", 240" and 360".

**138SL Series Status Lamp Lead**
A lead with industry standard marker light connector for the status lamp. Standard lengths are 24", 72", 120", 180" and 240".

**138PS 12 Switch Lead**
Connects to switches with thread post terminals such as pressure switches. The outlet lead is twelve inches.

**138HPS 6 High Pressure Switch Connector**
This molded connector is designed to couple to the 81002 pressure switch. The switch leads are six inches long.

**Pressure Switches**
Use to illuminate status lamp. High pressure or low pressure switches are available. The 138SW 12 switch lead can be used with the 8100. The 138HPS 6 can be used with the 810002.