



Tools/Equipment Required:

- 17mm wrench
- 5mm Allen wrench
- 0-7000 psi pressure gauge (Optional: 0-7000 psi pressure transducer)

Note:

This procedure is valid for LSC valve sizes VW14, VW18, VW25, and is valid for monoblock sizes MW14 and MW18.

IMPORTANT:

All relief valves that could open or "crack" during the adjustment of the workport relief valves must be set at least 300 psi higher than the desired pressure settings for the workport relief valves. This must be done prior to performing any adjustments to the workport relief valves.

WARNING:

If performing this procedure on a vehicle, care must be taken. The pump will be put on stroke during this procedure, hence all personnel should be removed from the area of the machine. If using the pump for a swinging or propelling function, then this function must be secured as to prevent the motor from rotating.



LSC Workport Relief Valve Adjustment Procedure

Document No: 1075

Rev. 1

Service Bulletin

Page 2 of 3

Adjustment Procedure for the Workport Relief Valves:

1. Install the pressure gauge to measure load sense pressure.
2. Start the prime mover and set it to operating speed.
3. Actuate *Workport "A"* on the valve section that you want to measure the workport relief valve setting for. Hold the function deadheaded and read the pressure gauge - This is the *Workport "A" Relief Valve* setting.
4. To adjust the *Workport "A" Relief Valve* setting:
 - a. Use the illustration above to confirm you are adjusting the correct workport relief valve.
 - b. While holding the "adjustment stud" stationary with the 5mm Allen wrench, loosen the "seal nut" with the 17mm wrench.
 - c. Turn the "adjustment stud" **IN** to **increase** the setting or **OUT** to **decrease** the setting. Please note that the workport relief valve adjustment is very sensitive. Small changes to the adjustment stud result in large pressure changes.
 - d. Once the desired setting is acquired, hold the "adjustment stud" stationary and tighten the "seal nut". The proper torque for the seal nut is 29 N-m (21 ft-lb).
5. Repeat steps #3 and #4 for the *Workport "B" Relief Valve*.
6. Remove the pressure gauge from the load sense circuit.



*******ATTENTION*******

You have been provided information on conversion, repair and/or service of Linde components. Proper application of the information requires specific training and may require use of specialized tooling and equipment. If you choose to proceed with the conversion, repair and/or service of the Linde component(s) absent the necessary training and/or these specialized tools, you do so at your risk.

Linde Hydraulics Corporation will accept no claim for warranty or other consideration resulting from deficiencies in the conversion, repair and/or service done in accordance with the guidance offered herein when the necessary training has not been conducted and/or required specialized tooling and equipment has not been utilized.

All requests for training must be coordinated through your Linde Account Manager. He can also provide you price and availability of any specialized tooling.

Questions regarding the information provided or this disclaimer should be addressed to the Warranty & Service Department, Linde Hydraulics Corporation.

5089 Western Reserve Road
Canfield, OH 44406
330.533.6801 (Telephone)
330.533.9873 (Facsimile)
www.lindeamerica.com (Web Site)