

To: All Distributors
Regional Sales Managers and National Sales Manager

From: Technical Support

Model: Leach

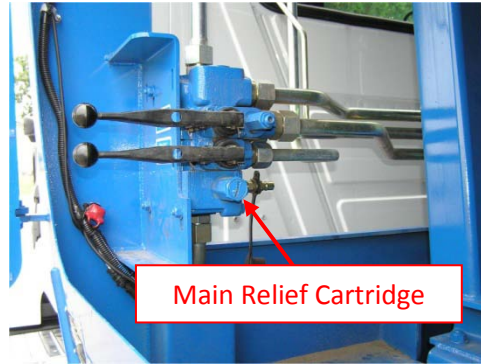
Subject: Packer/Carrier Knockout Checkout & Adjustment Procedure

Proper adjustments of rear loader packer & carrier valve knockout pressures are essential for proper operation and to ensure satisfactory payloads. The following pages outline the adjustment procedures for the packer & carrier knockouts.

Please contact LabriePlus at (800) 231-2771 with any questions or for further information.

Leach Packer/Carrier Knockout Pressure Checkout & Adjustment Procedure

- Install a 0 – 3,000 PSI hydraulic pressure gauge at the quick disconnect coupling on the front control valve.
- Start the truck, and engage the pump and speed up systems.
- Verify the main relief pressure and the packing cycle times per the following chart. This ensures that the hydraulic pump and operating cylinders are in good operational condition.



Product Model	Main Pressure	Packing Cycle Time
2R-III	2,300 – 2,400 PSI	23 – 26 Seconds
Alpha-III	2,150 – 2,200 PSI	26 – 28 Seconds (23 – 25 Seconds with Regen Option)

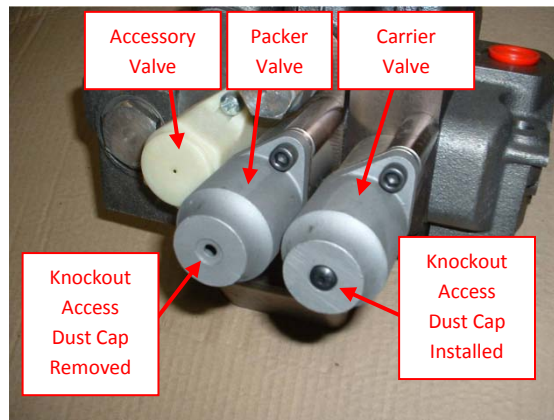
- Reduce the main pressure relief to below 1,000 PSI.
- Shift the packer and carrier controls to start the cycle. When the packer cylinders reach the end of their stroke, the hydraulic valve should “stall”; the valve should not shift to neutral. While closely watching the hydraulic gauge, slowly raise the main relief pressure to the point where the packer valve shifts to neutral – note the pressure when this occurs, as this is the current packer knockout setting.
- Ensure that the packer & carrier controls are returned to their neutral position, and reset the main relief pressure to below 1,000 PSI.
- Shift the carrier control only to start the carrier cycle. When the carrier cylinders reach the end of their stroke, the hydraulic valve should “stall”; the valve should not shift to neutral. While closely watching the hydraulic gauge, slowly raise the main relief pressure to the point where the carrier valve shifts to neutral – note the pressure when this occurs, as this is the current carrier knockout setting.
- If the knockout pressure settings are correct, return the main relief pressure to its proper specification.
- The proper packer and carrier knockout pressures are as follows:

Product Model	Packer Knockout Pressure	Carrier Knockout Pressure
2R-III	1,950 PSI	2,150 PSI
Alpha-III	1,800 PSI	2,000 PSI

Leach Packer/Carrier Knockout Pressure Checkout & Adjustment Procedure

If either or both the knockout pressures are incorrect, adjust the knockout pressures as follows:

- Shut the truck down, and perform proper lockout/tagout procedures.
- Remove the button plug on the knockout cap on the main control valve, on the valve section to be adjusted, to access the knockout adjustment screw.



- Using a 5/32" Allen wrench, turn the knockout adjusting screw clockwise to raise the knockout pressure, or counter-clockwise to decrease the knockout pressure. Adjust the knockout pressure by ½ turn increments or less.
- After adjusting the knockout pressure, repeat the checkout procedure to verify the knockout pressures.
- Once the proper knockout pressures have been attained, reinstall the dust cap to seal the main control valve knockout assembly.
- Return the main relief pressure to the specified setting.