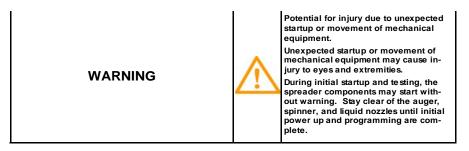
Cirus ONTROLS	TECH NOTE: TITLE:	08-007 Procedure for hydraulic pressure release without system power.
	DATE:	08/5/08
	<b>REVISION:</b>	1.1

**Description:** This document describes the procedures to use in the event that you need to release fluid pressure from a Cirus hydraulic manifold assembly when you do not have system power available (pump or engine non-functional).

**Normal procedure**: each valve section contains a "red" manual over-ride button that can be actuated to move hydraulic fluid in the selected direction of motion when system power functions, but you need to actuate the function from the valve assembly instead of from the control system in the vehicle cab.



### Procedure for Releasing Hydraulic Pressure When System Power is non-functional

## 1) To Lower a Dump Body Hoist – Identify the valve part number

- a. **HYDJ05 35gpm, DA cylinder section with counterbalance valve**: with truck engine off, loosen locknut on the counterbalance valve (item 2 on attached drawing). Slowly, turn adjusting screw clockwise, while counting turns, to reduce setting and lower the load. The load will begin to move when the setting is low enough. After the load has been lowered, return adjusting screw to original setting and tighten the locknut.
- 2) To Raise/Lower implement (Hoist, Plow, Wing or Blade) Identify the valve part number Lifting of an implement, <u>adjust port relief of the return side</u> of the valve (usually port A). Lowering an implement, <u>adjust port relief of the pressure side</u> of the valve (usually port B).

#### a. HYDJ09 – 20gpm, DA, cylinder section:

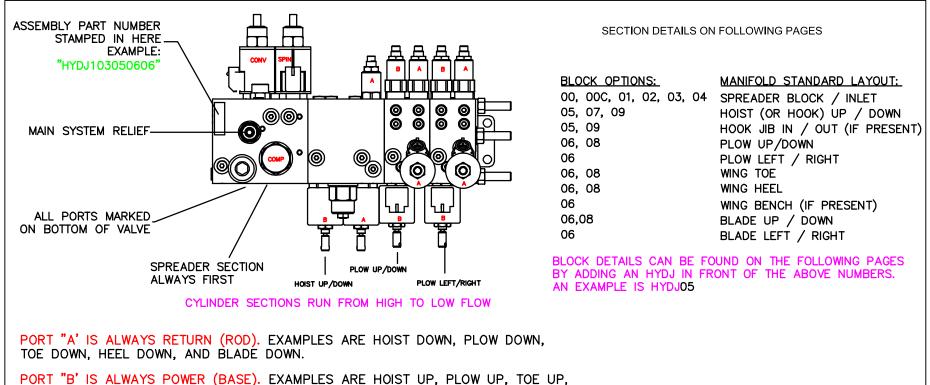
i. With truck engine turned off, identify the desired port relief valve, (item 5 on drawing), and loosen the locknut. Slowly turn the adjusting screw <u>counterclockwise</u> while counting the turns, all the way until it stops. The pressure setting at the full <u>counterclockwise</u> position will be 250psi.

Now, an external source (winch, fork lift, etc) may be used to lift/lower the implement into the desired position. After the implement has been moved, return adjusting screw to original position and tighten locknut.

#### b. HYDJ06 – 10gpm, DA, cylinder section:

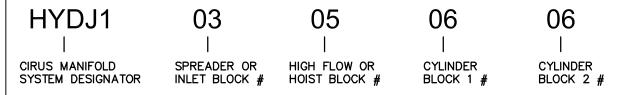
i. With truck engine turned off, identify the desired port relief valve, (item 7 on drawing), and loosen the locknut. Slowly turn the adjusting screw <u>counterclockwise</u> while counting the turns, all the way until it stops. The pressure setting at the full <u>counterclockwise</u> position will be 250psi.

Now, an external source (winch, fork lift, etc) may be used to lift/lower the implement into the desired position. After the implement has been moved, return adjusting screw to original position and tighten locknut.



HEEL UP, AND BLADE UP.

# ASSEMBLY PART NUMBER BREAK OUT



	REV	DATE	F	DESCR	IPTION				
			2-08 ADDED PORT NOTES					Phone: (763) 493-9380	
	В				JU	Fax: (763) 493-9340			
ORDER DATE:						CONTROLS LLC			
	Ē		-	-					
	DESIGN				AS BUILT:	BROOKLYN PAF			
ORDER #:	JTM			JTM		MANIFOLDS			
			RAWING IS THE PROPERTY OF CIRUS CONTROLS.			OVERVIEW			
		PROPRIETARY NO REPRODUCT							
HYD ASSEMBLY P/N#:				OUT PERMISSION IS ALLOWED.		PROJECT NUMBER:	SCALE:	DATE: 1-12-08 REV.	
						OVERVIEW	NONE	SHT 1 OF 1	

