


Sprayer Counterbalance Valve Installation Guide

Kit: Sprayer Counterbalance Valve Assembly P/N 911-5003-000

Read and Follow Safety Messages

- In these instructions, you may see the heading WARNING and/or the safety alert symbol . They indicate a hazardous situation that, if not avoided, could result in death or serious injury. The safety messages provide information to identify a hazard associated with potential injury.
- Before installing, operating, or performing maintenance or service on any part of the system, read and understand this installation guide.
- Keep these instructions and all related safety information with the manuals for your machine and other implements.

If you have questions or need assistance, contact your local dealer or distributor.

Overview

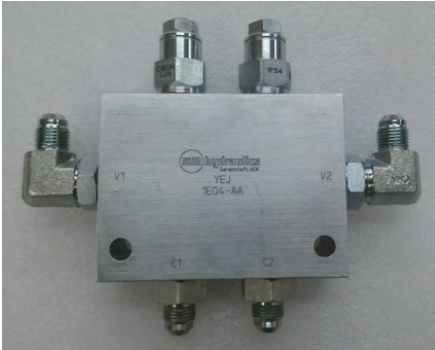

This installation guide lists all the parts in the kit and provides step-by-step instructions on how to install the counterbalance valve assembly.

Please read this manual thoroughly before beginning the installation. Observe all warnings.




WARNING: Consider using existing hardware and hardware locations. Avoid drilling holes that may damage other equipment (such as structural frame members, electrical cables, or fluid lines).

Kit Contents

Unpack this kit and identify the required parts as shown. Kit items are referenced HA, HB, HC etc. (H = Hydraulic) and those references are used in the installation steps and pictures.

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
HA	760-0024-000	1	Assembly, hydraulic counterbalance valve, sprayer ('CBV')—shown at right with adapters HC and HD installed.	
HB	760-1033	2	Hose, hyd - 3/8" x 14", #6femJIC both ends (Connect hydraulic steering block's A and B ports to HD [elbows] in counterbalance valve 'V' ports)	

Kit Contents (continued)

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
HC	760-2060	2	Adapter, hyd - #6maleJIC x #8maleORB (Counterbalance valve 'C' ports. Existing hoses connect.)	
HD	760-2061	2	Adapter, hyd 90 elbow - #6maleJIC x #8maleORB (Counterbalance valve 'V' ports. Hoses HB connect.)	
HE	677-2001	10	Tie strap, 11" heavy duty	

Counterbalance Valve Assembly Installation

NOTE:

Leave fittings loose during installation and tighten only when installation is complete.



Do not cross hoses (new and existing) when connecting to the hydraulic block and the counterbalance valve. The steering hoses connected to the V1 and V2 ports will apply pressure to the steering cylinders connected to the C1 and C2 ports respectively. For example, if the (new) hose connected to port A in the hydraulic steering block connects with the counterbalance port V1, the hose disconnected from port A must connect to the counterbalance C1 port.

Install and connect the counterbalance valve.

NOTE:

At the next step, mark the existing hoses 'A' and 'B' so they don't get crossed—see warning above.

- On the sprayer, disconnect the steering hoses from the fittings in the hydraulic steering block ports marked A and B.
- Connect the two hydraulic hoses **HB** to the adapters in the A and B ports of the hydraulic block.
- Connect hoses **HB** from the hydraulic block's A and B ports to adapters **HD** in the V1 and V2 ports of the counterbalance valve.
- Connect the steering hoses disconnected from the hydraulic block's A and B ports to adapters **HC** in the C1 and C2 ports of the counterbalance valve.
- Tighten all fittings and secure the counterbalance valve with the provided zip ties **HE**. Clean up the work area and check for leaks.

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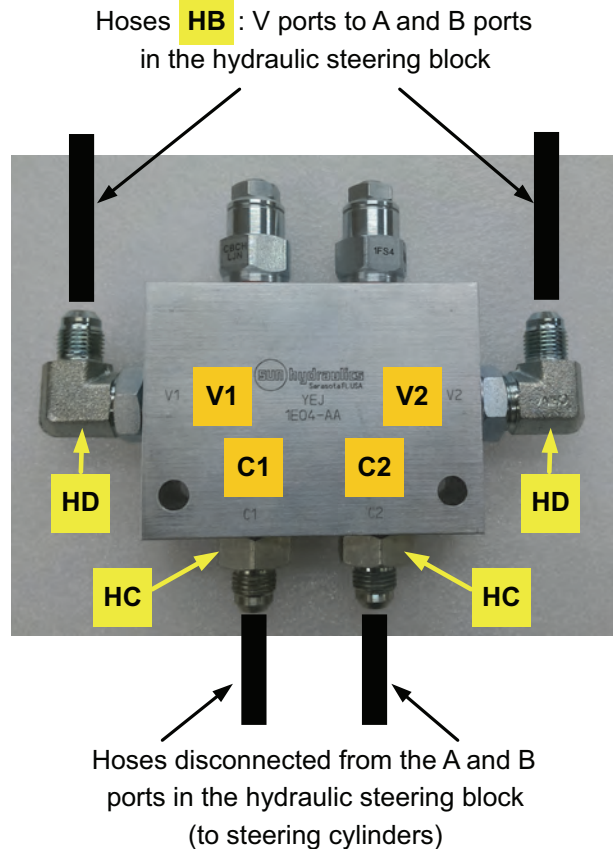


Figure 1: CBV showing connections of new hoses HB to V ports and existing hoses to C ports