

McGuire Monarch/Bucher Hydraulic Pump Adjustments

RV1 Main System Relief Valve (A)

Located on the top of the valve body - sets system pressure. **Typically set to 2.5 turns out from dead in;** adjusting RV1 clockwise increases system pressure, and adjusting RV1 counter-clockwise decreases system pressure. Larger capacity units with larger lips may require increased pressure.

RV2 Lip Float Relief Valve (B)

Unmarked but located on the top of the valve body next to RV1 - controls the powered-in lip feature. **Typically set to 6 turns out from dead in;** adjusting RV2 clockwise decreases the lip retract pressure and prevents the lip from dragging heavily on the trailer or lip keepers when storing, and adjusting RV2 counter-clockwise increases the lip retract pressure and allows the lip to come fully pendant when storing.

Flow Control Valve (C)

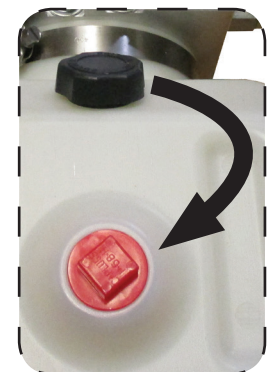
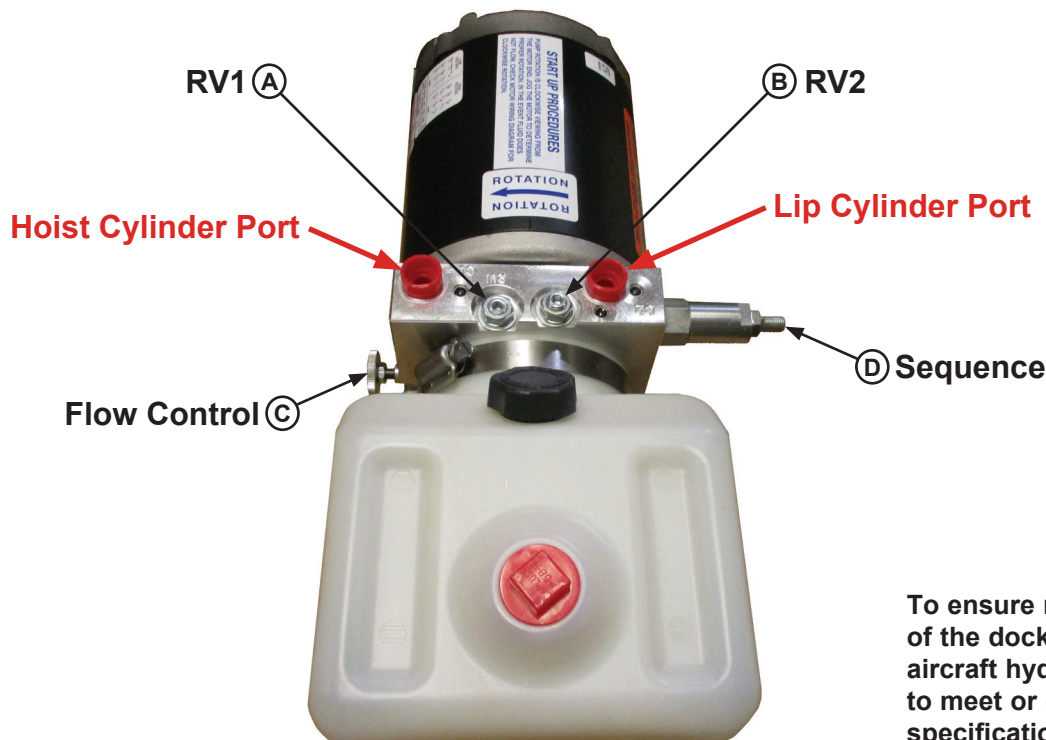
Located on the left side of the valve body - controls the lowering speed of the hoist cylinder. **Typically set to 1.25 turns out from dead in;** adjusting clockwise decreases lowering speed, and adjusting counter-clockwise increases lowering speed. If set too far open (too far counter-clockwise), leveler platform will trip velocity fuse and stall before lowering fully.

Sequence Valve (D)

Located on the right side of the valve body - controls the lip extension timing. **Typically set to 5 turns out from dead in;** adjusting clockwise delays lip extension timing, and adjusting counter-clockwise advances lip extension timing. This valve should be set to allow a smooth, quiet shift just as the platform reaches the top of its stroke.

Note: Large adjustments to Sequence Valve may sometimes require RV2 adjustments and vice versa.

RV1 & Sequence Valve may need to be adjusted together on high-capacity levelers or levelers with larger lips.



Remove shipping plug and install breather cap before operating unit.

To ensure normal operation of the dock leveler, use only aircraft hydraulic fluid designed to meet or exceed military specification MIL-H-5606.