

## 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.

