



Sprayer Valve KZ Rebuild Kit

Product: Multi Pro®

April 19, 2017

Affected Units:

Models:

Serial Numbers:

Multi Pro 5800 Base Gas	41594	315000001-316999999
Multi Pro 5800 Base Diesel	41593	311000001-316999999
Multi Pro 5800 Diesel	41593N	313000001-314699999
Multi Pro 5800 ExcelaRate Diesel	41393	316000001-316999999
Multi Pro 5800 ExcelaRate Gas	41394	316000001-316999999
Multi Pro 1750	41188	314000001-316999999
Multi Pro Workman	41240	314000001-316999999

Toro Multi Pro sprayers are equipped with KZ valves to control the operation of the sprayer. When the valves wear out and there is fluid leak by the valves need to be serviced. See Figure 1 for diagram of the valve parts.

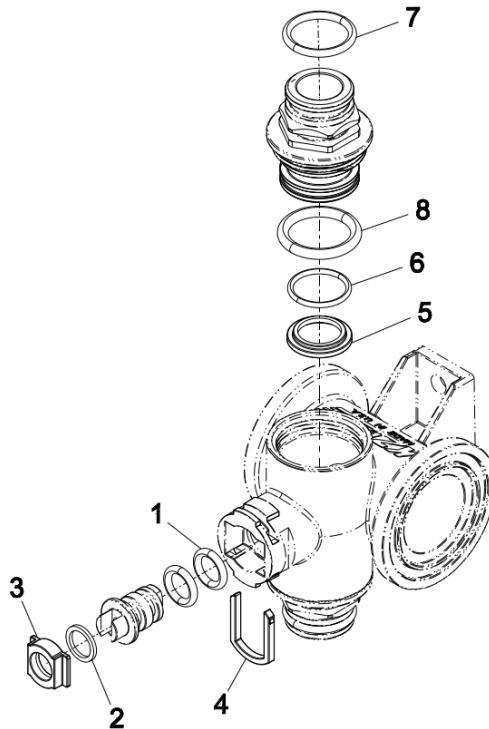


Figure 1

A KZ Rebuild Kit is available that will replace all the o-rings and valve seats within the KZ valve. Figure 2 identifies is what is included in the rebuild kit.



Figure 2

Parts:

Part	Description	Qty
130-7304	KZ Rebuild kit	1 per valve

The Multi Pro Sprayers uses several valves in the spray system. Each valve is fully serviceable. Use the following procedure for servicing the rate, agitation, agitation bypass, master boom, master boom bypass, left boom section, center boom section and right boom section valves.

IMPORTANT: Make sure to remove and neutralize chemicals from spray components before valve motor disassembly. Wear protective clothing, chemical resistant gloves and eye protection during repair.

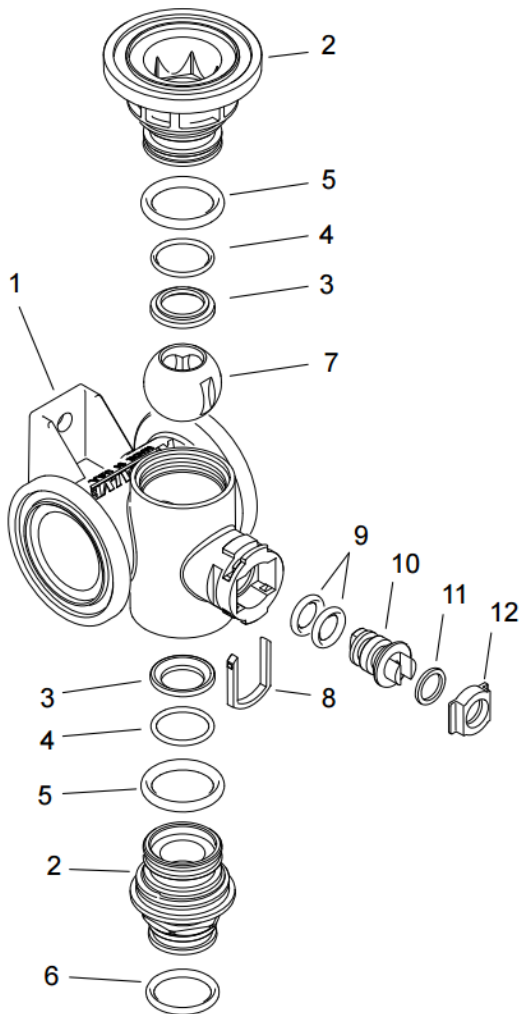


Figure 1

1. Valve body	7. Ball
2. End cap	8. Stem fork
3. Seat (2)	9. O-Ring (2)
4. O-Ring (2)	10. Stem
5. O-Ring (2)	11. Washer
6. O-Ring	12. Stem seat

Disassembly (Figure 3)

1. Locate the valve being serviced and remove either the actuator fork and the actuator assembly or the screw and knob from the valve.
2. Remove hoses, fittings, clamps and adapters as necessary to access valve end caps.
3. Rotate the end caps counterclockwise (unscrew) and remove the end caps.
4. Rotate the valve stem until the slot in the stem and valve ball are in-line with the valve body and remove the valve ball.
5. Remove the valve stem fork, seat, and remove the valve stem assembly.

Assembly (Figure 3)

1. Inspect the end cap and the stem seals and O-rings. Replace components as necessary.
2. Apply silicone grease to seals and O-rings on stem assembly. Install stem assembly, seat and fork.
3. Rotate the valve stem until the slot in the stem is in-line with the valve body and install the valve ball.
4. Apply silicone grease to seals and O-rings on end caps and install end caps. Tighten end caps until seated. Do not over-tighten end caps.
5. Install hoses, fittings, clamps and adapters previously removed.
6. Install either the actuator and actuator fork or knob and screw.