PRODUCT UPDATE

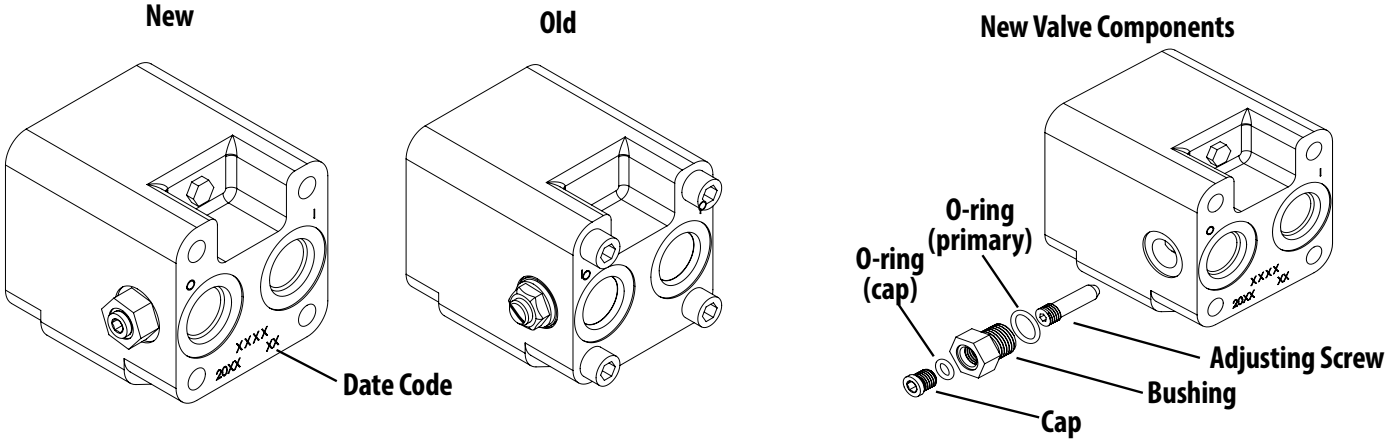
New Needle Valve Assembly for 200 Series Motors

Number 23

Our 200 Series motors have been a powerful and durable component of our popular HYD product range since 1969. A new bypass needle valve assembly is being implemented in these products as part of our ongoing continual improvement process. The new needle valve uses O-rings instead of a thread seal to prevent leakage further improving the reliability and longevity of these products.

The new needle valve assembly is being implemented on all 200 Series motors equipped with a needle valve in August 2026. The valves will appear on our products in the coming months depending on inventory levels and demand.

Motors with the new valve may be identified with the date code engraved on the end of the motor. The Date Code of J-7 (2026 -July) or later will indicate motors equipped with the new valve. (i.e. J8-12, K1-12, etc.)



The new valve and components are not interchangeable with the older parts which will remain available for service. The new valve will only be sold as a complete assembly, but the sealing components for both the old and new design will be included in the motor repair kit RK-BAC-75-HYD-L (EDP# 41374).

Part Number	EDP Number	Description
42000	42000	Needle valve assembly; 200 Series; effective 08/26
42005	42005	O-ring; cap; 200 Series needle valve, effective 08/26
42006	42006	O-ring, primary, 200 Series needle valve, effective 08/26

See the following Product Updates for additional information on the 200 Series motors:

- Product Update 12 - Hydraulic Motor Seal Support Spacer
- Product Update 16 - 200 N Series Motors

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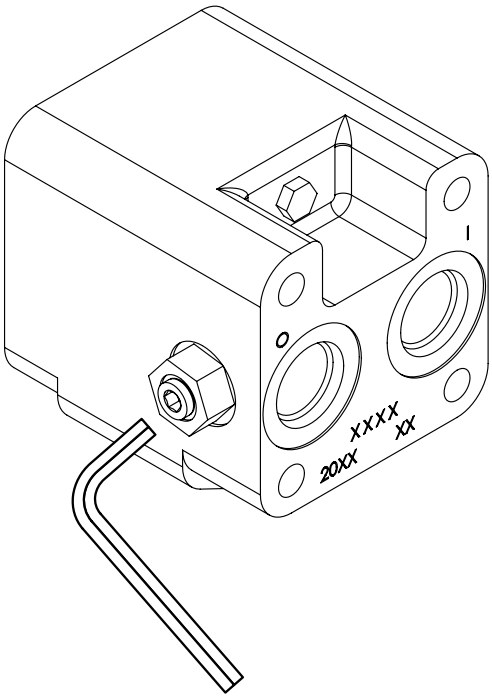
Needle Valve Adjustment Process

The needle valve will be fully closed on new pumps from the factory. It should only be adjusted if installing the pump on an Open Center hydraulic system. See the Ace iHSG to determine a tractor's hydraulic system type and the proper setup instructions.



Use the following process to adjust the new needle valve to set the shut-off pressure on your sprayer.:

1. Prime the pump then close the sprayer boom, agitation, and any bypass valves
2. Use a 1/8" allen wrench to remove the hex cap
3. Use a 1/8" allen wrench to open the needle valve by turning counterclockwise 3 or 4 turns
4. Set tractor throttle to sprayer operating speed
5. Move hydraulic lever to "Lower/Retract" to start pump
6. Screw needle valve clockwise until the pump's shut -off pressure is below the pump's maximum rating
7. Reinstall hex cap
8. Open sprayer agitation valve to desired spraying pressure