

TSB # 14-2017

February 28, 2017

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TO: All Bourgault Dealers  
ATTN: Service Manager, Parts Manager, Sales Manager  
SUBJECT: Wing-lift Circuit - Orifice Relocation

## INFORMATION BULLETIN:

### BACKGROUND:

A slow and controlled wing-lift system is the key to longevity and trouble free operation providing for many years of use. In order to “guarantee” this slow and controlled wing-lift process Bourgault has installed an orifice on the “pressure” side of the wing-lift circuit. This orifice has generally been installed directly onto the “pressure” or supply hydraulic hose, therefore regardless of how the tractor remote is set-up (100% or 30%) a controlled amount of oil is allowed into the wing-lift circuit providing a slow and controlled **un-folding** process for the drill.



During the **folding- up** process the pressure side of the circuit now becomes the return path for the oil back to the tractor and the location of this orifice (directly behind the coupler) can cause damage to the coupler due to the focused high pressure “stream” of oil created as it passes through the orifice. The occurrence of this coupler failure is generally the direct result of excess hydraulic flow being applied to the wing-lift circuit. When appropriate hydraulic flow is applied to the wing-lift circuit coupler failures, due to the orifice, are not typical.

A change has been made to the location of this wing-lift orifice on all model year 2016 and newer 3320 and 3720 drills. The orifice has been removed from the hydraulic hose and relocated onto the hydraulic block. This provides all the benefits of the orifice to control the amount of oil allowed into the wing-lift circuit without the problem of damaging couplers resulting from excess hydraulic flow being applied to the wing-lift circuit.



Any 3310, 3320, 3710 or 3720 drills, older than model year 2016, will have the orifice installed behind the “pressure side” coupler and will benefit greatly from relocating the orifice to the hydraulic block, especially if excess wing-lift circuit pressures are being used and causing repeat coupler failures.

**CORRECTIVE ACTION:**

- Notify your staff involved with the Bourgault product line and your customers of this product improvement.
- Order the new wing-lift orifice (3371-48) from the Bourgault Parts Department.

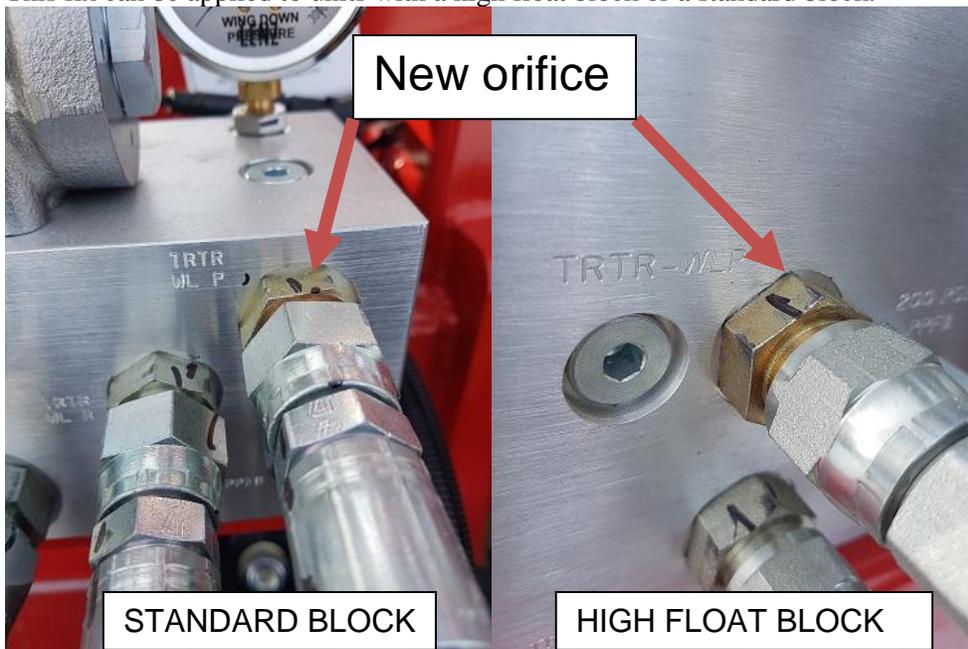
Part Number	Description	Ref Price	List Price
3371-48	Wing-lift Circuit Orifice		

- Remove the orifice located on the pressure or supply hydraulic hose



Remove and discard this orifice

- Install the new orifice (3371-48) into the TRTR WLP port stamped on the hydraulic block.
- This fix can be applied to units with a high float block or a standard block.



**WARRANTY DETAIL:**

- CONTACT BOURGAULT DEALER FOR PRICING