



Product: Top Drive Applies to: See Models Affected section	October 30, 2013
Product Bulletin # TD134	

## **Top Drive Hydraulic Cold Bleed Improvement**

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### **Models Affected**

This product bulletin discusses improvements to the Cold Weather option for arctic environments on 175-, 275-, 350-, 500-, and 750-ton capacity Top Drives.

### **Introduction**

Several improvements have been made to the electric control valve for hydraulic cold bleed. These changes to the equipment offer increased reliability and performance and allow Canrig Top Drives to better function in colder ambient temperatures.

To increase resistance to erosion, the 1.75" x 2.25" x .94" aluminum manifold block (Canrig Part No. DT13605) located under the control valve is now constructed of ductile iron.

To reduce excessive hydraulic erosion on the system, improvements have been made as follows:

- On valve Canrig Part No. AY12201, the 3-mm orifice (Canrig Part No. H10158) has been replaced by a 2mm orifice (Canrig Part No. H10796). The orifice is now positioned on the "P" port.
- On valve Canrig Part No. AY12348, the 3-mm orifice (Canrig Part No. H10158) has been replaced by a 2mm orifice (Canrig Part No. H12480). The orifice is now positioned on the "P" port.

Making these modifications will greatly enhance performance.

### **Recommendation**

Contact RigLine 24/7™ Support to order the replacement components and to schedule a Canrig Field Technician to perform the upgrade.

### **Drawings**

This section includes drawings for reference.

# For Reference Only

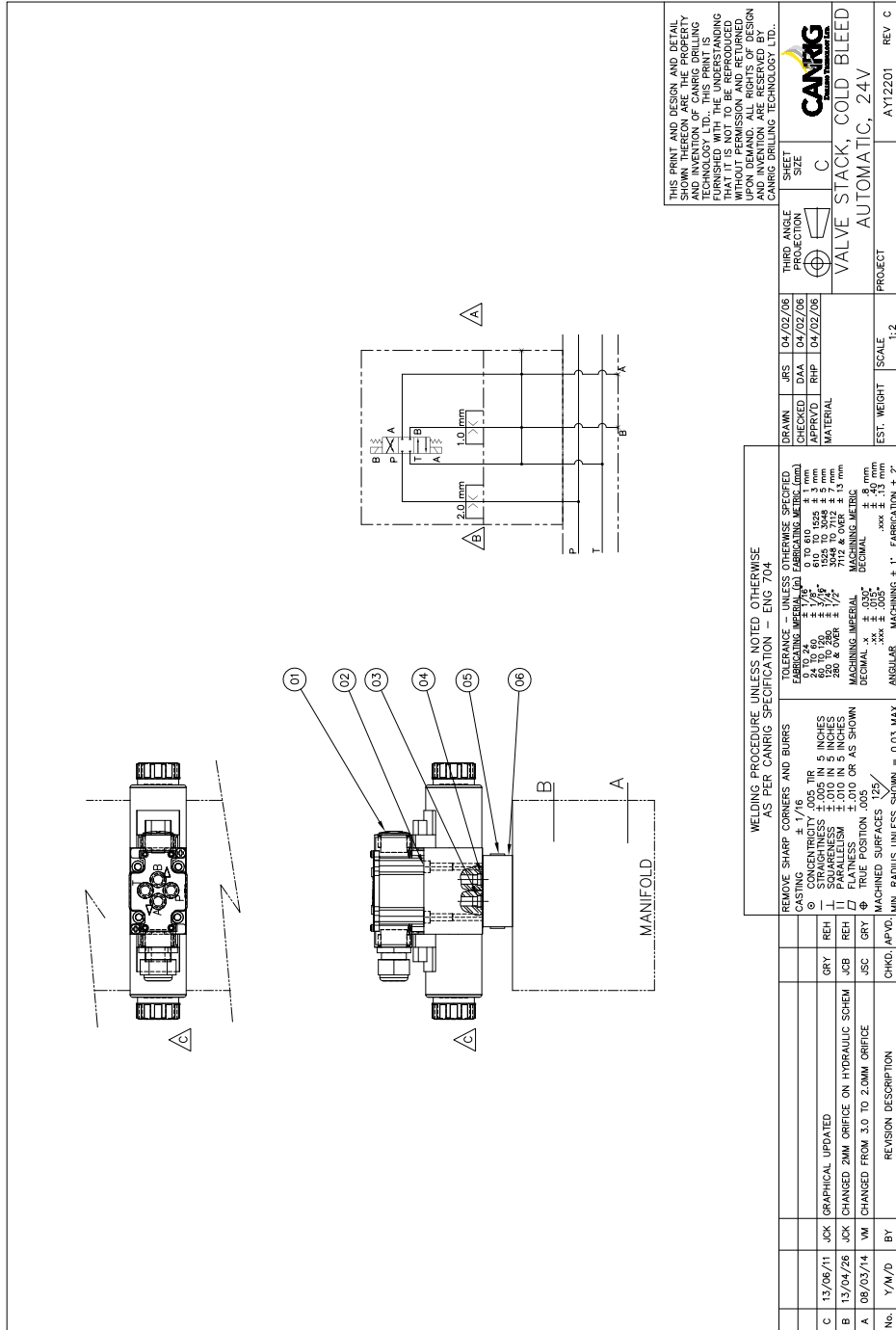


Figure 1: 24V Automatic Cold Bleed Valve Stack (Canrig Drawing AY12201C)

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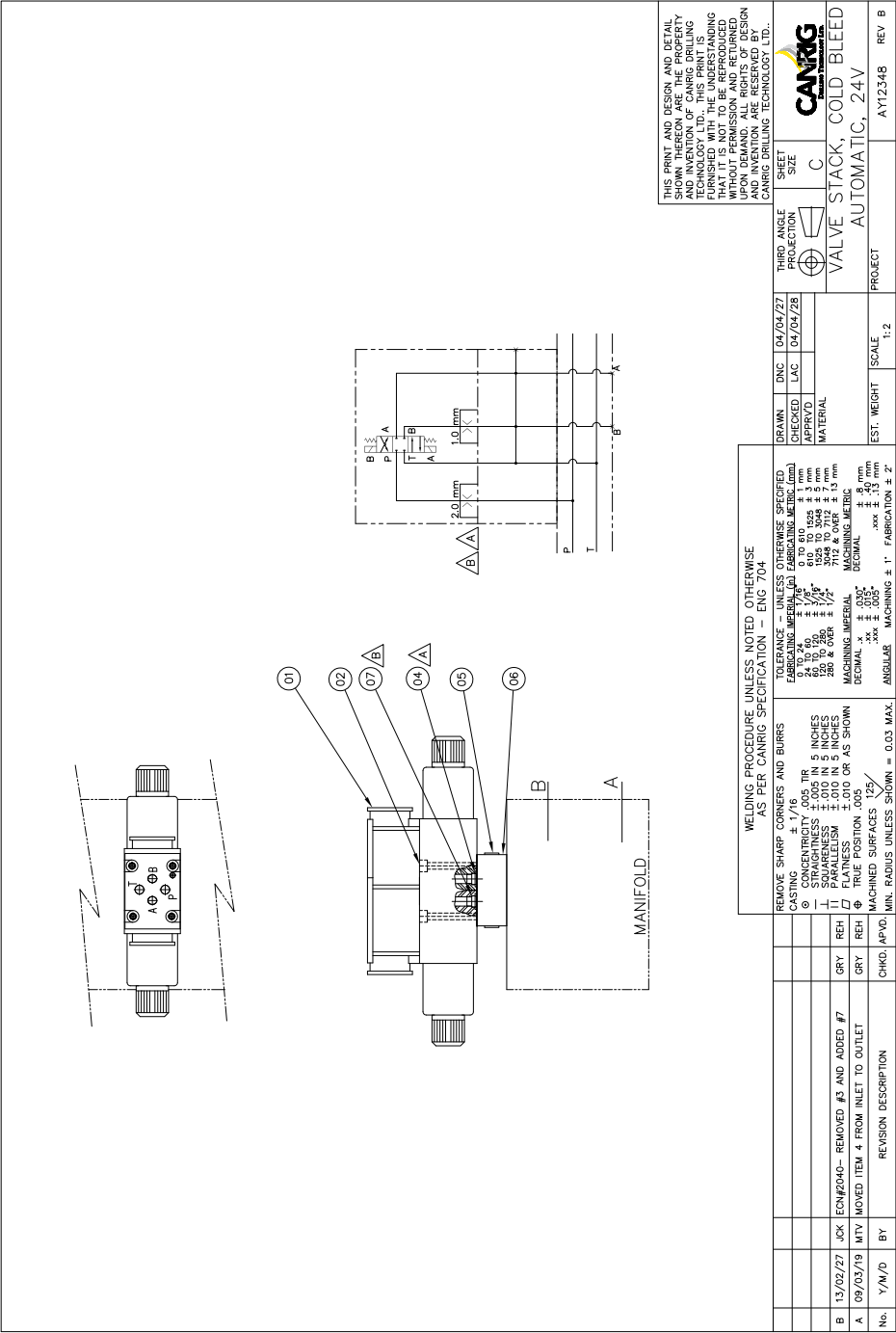


Figure 2: 24V Automatic Cold Bleed Valve Stack (Canrig Drawing AY12348B)