When DURABILITY and RELIABILITY Matter Most...

CUSTOMIZABLE KITS • EXTREME DURABILITY • GREATER RELIABILITY

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www.hctkits.com/quote

Privateley Owned
Made in USA

North America's LARGEST PRIVATELY OWNED Hydraulic Kit Manufacturer

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HydrauliCircuit Technology, Inc. (HCT) is your #1 source for custom built, high-quality and durable hydraulic kits that are easy to install.

With our strong engineering capabilities, we design and produce kits to reliably operate nearly any combination of attachments on virtually all excavators and backhoes.

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Most kit designs are based on actual in-house installations performed at our 35,000 sq. ft. research, manufacturing, and installation facility, so they fit properly and perform optimally.

HCT offers a large selection of Excavator Kits to meet your machinery and customer needs.
### ALL AUXILIARY HYDRAULIC KITS ARE NOT THE SAME

**...SEE WHAT MAKES HCT KITS THE BEST**

<table>
<thead>
<tr>
<th>Feature</th>
<th>HCT</th>
<th>Factory</th>
<th>Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FULL LENGTH TUBES ON BOOM</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>HCT design uses single tube in the front and single tube in the back. Competition uses multi tube design and shorter tube lengths.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BOLT ON DESIGN/POWDER COATED</strong></td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Kits are bolt on and designed to fit existing OEM brackets. Powder coated finish gives longer life.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STEEL CLAMPS</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>HCT steel clamps are custom designed for a tight fit. Competition uses aluminum clamps that are not as reliable.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SINGLE O-RING CONNECTION</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>HCT tubes and hoses require single O-Ring per (ORFS) connection. Competition uses a male union which requires twice the O-Rings per (ORFS) connection.</td>
<td></td>
<td></td>
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<tr>
<td><strong>HEAVY WALL TUBING</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>HCT has thickest wall hydraulic tubing in the industry. Competitors’ kits are noticeably lighter in weight.</td>
<td></td>
<td></td>
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<tr>
<td><strong>WELDED TUBE ENDS</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
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<tr>
<td>HCT welds tube ends providing durability and reliability. Competition provides flared compression</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>STEEL WIRE OR PLASTIC HOSE PROTECTION</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
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<tr>
<td>HCT provides steel wire guard (stick hoses) and plastic guarding (valve compartment). Competition provides bare hose.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTEGRATE w/ FACTORY MONITOR</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Optional feature allows monitor software to control flow and function.</td>
<td></td>
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<tr>
<td><strong>INSTALLATION INSTRUCTIONS</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>HCT provides detailed instructions with photos and CAD drawings Competition provides installation instructions.</td>
<td></td>
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<tr>
<td><strong>SINGLE CRATE SHIPMENT</strong></td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>HCT provides one single crate per standard kit shipment. Competition uses 5 - 8 different packages to ship one standard kit.</td>
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</tbody>
</table>

### BEST VALUE

- Steel Clamps
- Single O-Ring Connection
- Manual or Electric Valves
- Bolt on Steel Upright
- Heavy Wall Tubing
- Welded Tube Ends
- Hose Protection
- Locking Ball Valves
- Control Options
- Monitor Integration
- Detailed Instructions
- Faster Installations
- Single Crate Shipment
- Quick Reliable Shipments

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HCT tubes connect directly to the hose assembly. We do not use a male-to-male union to achieve this.

- OEM style ORFS or CD62 4-bolt Flange connections
- Strong emphasis on SAE 4:1 safety factor
- Efficient designs with fewer connections enables faster installation

Tube assemblies are pre-bent for proper fit, and powder coated for longevity. Tubing and bolt-on clamps stand up to harsh environments.

**FUNCTION SELECT** - selecting between “single acting” or “double acting” attachments (Dual Purpose Kits). Choose manual or monitor control

**TWO-PUMP FLOW** (non-priority) - through OEM spare valve on machine (optional monitor control)

**ROTATE SYSTEM** - priority flow divider for reliable oil supply, directional valve for attachment control

**PRIORITY FLOW** - priority flow dividers in pump lines (for brush cutters, pile drivers, magnets)

HCT connections minimize the chance for leaks by eliminating over 50% of the O-ring connections.
HCT kit configuration can be as basic or advanced as desired. Most kits can also be upgraded at a later time.

Second Function Rotate Kits and Priority Brush Cutter Kits are available as upgrade to Factory Kits.

<table>
<thead>
<tr>
<th>KIT TYPES</th>
<th>OIL DIRECTION</th>
<th>FLOW</th>
<th>PRESSURE</th>
<th>VALVE</th>
<th>RELIEF</th>
<th>ACTUATION</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Configurations</td>
<td>Single Acting / 1-Way</td>
<td>Double Acting / 2-Way</td>
<td>Flow Direction Change Valve</td>
<td>Manually Adjusted</td>
<td>High</td>
<td>Medium</td>
<td>OEM Spare Valve</td>
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<tr>
<td>Call for custom applications</td>
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<tr>
<td>BREAKER / COMPACTOR</td>
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<tr>
<td>THUMB / TILT</td>
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<td>SHEAR / AUGER / GRAPPLE</td>
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<tr>
<td>BREAKER - THUMB (DUAL PURPOSE)</td>
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<tr>
<td>BREAKER - SHEAR (DUAL PURPOSE)</td>
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<td>ROTATION (Secondary Circuit)</td>
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<td>ROTARY BRUSHCUTTER / MOWER</td>
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</tbody>
</table>

- Included in Kit
- Required for Application
- Optional
- Upgrade

a - For attachment requiring less than 1 pump flow
b - Knob style flow control valve
c - For Breaker Circuit
d - Newer CAT and Komatsu machines need OEM 2nd service valve
e - Maintained function: Click ON - Click OFF
f - Foot Pedal only

**PREMIUM HANDGRIPS**

**STANDARD HANDGRIPS**
Tough and ergonomic handle replaces existing handgrip. Light touch buttons reduce operator fatigue. Integrated flow control eliminates the need for monitor control or valves. Proportional and Non proportional handgrips available.

**PEDAL VALVES**
This valve bolts right into the excavator cab floors. It is extremely durable, and features a mechanical safety lock that converts it to a foot rest when not in use.

**DETAILED INSTALLATION MANUAL:**
Easy to follow and includes photos, CAD drawings and step-by-step instructions.

**EASY IDENTIFICATION:**
Labels on the components with item number correlate to Bill of Materials for accurate identification during installation. Cab sticker with serial number helps identify kit for support and parts replacement.

**HEAVY DUTY CRATES:**
Ensures product reaches you safely and securely.

**SECURELY PACKAGED:**
HD plastic sleeves and tie downs to secure.

**SINGLE CRATE SHIPMENT:**
Minimizes chance of lost or damaged shipment. This ensures you don’t have to search for missing boxes during installation, losing valuable shop time.

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