Hydraulic Remote Controllers
Build Program

Joysticks PCL401
Stackables PCL402
Foot Pedals PCL402
Bulletin HY14-1800/US
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Forestry

Material Handling

Construction

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Parker PCL Build Program

The PCL Build Program is designed to help a stocking distributor increase the value and services offered to their customers. This is accomplished by having the in-house capability of being responsive to your customer’s needs. A wide variety of kits facilitate the conversion and customization of these controllers with a minimum amount of inventory.

Joysticks and stackable controllers have custom spring packs that are matched to our control valves and optimize controllability and machine performance.

The type of curve selected for the controllers in the program is referred to as “straight-line metering”. This means that the “start pressure” and “final pressure” of the controller is linear. Here is a sample of this type of curve.

The basic kits for the program are:
- Joysticks and stackables with no handle.
- Handle kits.
- Detent kits.
- Footpedal conversion kits.
- Stud kits.
- Spring pack kits.
- Service kits.

Reference information:

Joysticks
- All ports are SAE 6.
- All ports (P,T,1,2,3,4) are located on the bottom of the housing.
- Mounting plate is code M1.
- Boots are included in the handle kits.

Stackables
- All ports are SAE 6.
- Pump and tank ports are located on the side of the housing. Ports A&B are located on the bottom of the housing.
- Mounting plate is code M3.
- Boots are included in the handle kits.
# PCL401 Joystick and PCL402 Stackable Controllers

## PCL401 Joystick and PCL402 Stackable Controllers

### PCL401 Joystick Handle Kits
- Includes standard round boot & loose lead wires for electric switch handles

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL401-H1B, Straight ball handle</td>
<td>9120059052</td>
</tr>
<tr>
<td>PCL401-H1W, Straight handle with knob and removable plastic window</td>
<td>9120089358</td>
</tr>
<tr>
<td>PCL401-E0, Electric switch handle with no switches</td>
<td>9120089507</td>
</tr>
<tr>
<td>PCL401-E1, Electric (on/off) switch handle with 2 position thumb switch</td>
<td>9120059053</td>
</tr>
<tr>
<td>PCL401-E2, Electric (on/off) switch handle with 3 position toggle switch</td>
<td>9120059054</td>
</tr>
<tr>
<td>PCL401-N0, Electric ergonomic straight handle with no switches</td>
<td>9120089606</td>
</tr>
<tr>
<td>PCL401-N2T, Electric (on/off) ergonomic straight handle with 2 thumb switches &amp; 1 finger switch</td>
<td>9120089667</td>
</tr>
<tr>
<td>PCL401-N4T, Electric (on/off) ergonomic straight handle with 4 thumb switches &amp; 1 finger switch</td>
<td>9120089613</td>
</tr>
</tbody>
</table>

### PCL401 Handle Conversion Kits

<table>
<thead>
<tr>
<th>From/To</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt lt/rt stem, PCL401-TLSTEM</td>
<td>PCL401-TLSTEM</td>
</tr>
<tr>
<td>Straight, PCL401-STSTEM</td>
<td>PCL401-STSTEM</td>
</tr>
</tbody>
</table>

### PCL402 Handle Kits
- Includes standard boot and loose leads for electric switch handles

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL402-H3-B, Straight ball handle</td>
<td>9120089362</td>
</tr>
<tr>
<td>PCL402-H4-B, Bent handle with ball knob - .59” offset</td>
<td>9120089363</td>
</tr>
<tr>
<td>PCL402-H5B, Bent handle with ball knob - 1.18” offset</td>
<td>9120089364</td>
</tr>
<tr>
<td>PCL402-H6B, Bent handle with ball handle - 1.77” offset</td>
<td>9120089365</td>
</tr>
<tr>
<td>PCL402-H3-W, Straight handle with knob and removable plastic window</td>
<td>9120089367</td>
</tr>
<tr>
<td>PCL402-H4-W, Bent handle with knob and removable plastic window - .59” offset</td>
<td>9120089368</td>
</tr>
<tr>
<td>PCL402-H5-W, Bent handle with knob and removable plastic window - 1.18” offset</td>
<td>9120089369</td>
</tr>
<tr>
<td>PCL402-H6-W, Bent handle with knob and removable plastic window - 1.77” offset</td>
<td>9120089370</td>
</tr>
<tr>
<td>PCL402-E0, Electric switch handle with no switches</td>
<td>9120089538</td>
</tr>
<tr>
<td>PCL402-E1, Electric (on/off) switch handle with 2 position thumb switch</td>
<td>9120089372</td>
</tr>
<tr>
<td>PCL402-E2, Electric (on/off) switch handle with 3 position thumb switch</td>
<td>9120089373</td>
</tr>
</tbody>
</table>
### PCL402 Stackable Controllers

#### PCL402 Detent Kits (use PCL402 handle kits)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL402-MD2, Mechanical detent for ports A&amp;B</td>
<td>9120089614</td>
</tr>
<tr>
<td>PCL402-S2, Friction detent. (Note: 35mm spacer req’d if another section stacked adjacent)</td>
<td>9120089332</td>
</tr>
<tr>
<td>PCL402-S2-H, Lever bracket kit for code H handle</td>
<td>9120089377</td>
</tr>
<tr>
<td>PCL402-S2-E, Lever bracket kit for code E handle</td>
<td>9120089378</td>
</tr>
</tbody>
</table>

#### PCL402 Marine Handle Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL402-M3-SS, Mounting plate - Code M3 out of stainless steel</td>
<td>9120089712</td>
</tr>
<tr>
<td>PCL402-B-SS, Hand Lever - Code B out of stainless steel</td>
<td>9120089713</td>
</tr>
</tbody>
</table>

#### Spacer Block

35mm wide. Same as PCL402 section width. Does not include section seals. 91262411

#### Footpedal Kits - converts a standard PCL402

Code F. Steel stamped footpedal with required hardware. Includes M5 mounting plate.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>- PCL402-F-PK, Pedal Kit</td>
<td>9120089309</td>
</tr>
<tr>
<td>- PCL402-F-MBK, Mounting/Bearing Plate Assembly</td>
<td>9120089310</td>
</tr>
<tr>
<td>- PCL402-C6-PPS, C6 spring push pin set</td>
<td>9120089398</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>- PCL402-A36-PK, Pedal Kit</td>
<td>9120089659</td>
</tr>
<tr>
<td>- PCL402-A36-MBK, Mounting/Bearing Plate Assembly</td>
<td>9120089660</td>
</tr>
<tr>
<td>- PCL402-C6-PPS, C6 spring push pin set</td>
<td>9120089398</td>
</tr>
</tbody>
</table>

#### Stud Kits (includes seals)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL402-2-SK, 2 sections</td>
<td>9120089359</td>
</tr>
<tr>
<td>PCL402-3-SK, 3 sections</td>
<td>9120089303</td>
</tr>
<tr>
<td>PCL402-4-SK, 4 sections</td>
<td>9120089304</td>
</tr>
<tr>
<td>PCL402-5-SK, 5 sections</td>
<td>9120089305</td>
</tr>
<tr>
<td>PCL402-6-SK, 6 sections</td>
<td>9120089306</td>
</tr>
</tbody>
</table>

#### Spring Packs

<table>
<thead>
<tr>
<th>Description</th>
<th>Start</th>
<th>Final</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-100-330-SL, VA/VG20, VA/VG35 &amp; VO40</td>
<td>100</td>
<td>330</td>
<td>9126181824</td>
</tr>
<tr>
<td>SP-100-410-SL, PC25, PC55</td>
<td>100</td>
<td>410</td>
<td>9126181825</td>
</tr>
<tr>
<td>SP-75-260-SL, F130CF, L90, P70</td>
<td>75</td>
<td>260</td>
<td>9126181826</td>
</tr>
<tr>
<td>SP-90-400-SL, F130CP</td>
<td>75</td>
<td>400</td>
<td>9126181827</td>
</tr>
<tr>
<td>SP-80-310-SL, K170, K220</td>
<td>80</td>
<td>310</td>
<td>9126181828</td>
</tr>
</tbody>
</table>

Matches curve for former CI & Gresen controllers 9126181830-FO

#### Service Kits

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Push pin seal kit (1 kit needed for each push pin)</td>
<td>9120089332</td>
</tr>
<tr>
<td>- PCL402 section seal (2 needed per section)</td>
<td>06636127</td>
</tr>
<tr>
<td>- PCL402 plug kit (needed to plug side P&amp;T UNF ports)</td>
<td>9120089329</td>
</tr>
<tr>
<td>- PCL402 pin/bushing kit for A36 footpedal</td>
<td>9120089661</td>
</tr>
<tr>
<td>- Cable 3/0.34/650 MM, for code E handles, no connector</td>
<td>9120089681</td>
</tr>
<tr>
<td>- Cable assembly N2T, no connector</td>
<td>9120089683</td>
</tr>
<tr>
<td>- Cable assembly N2, no connector</td>
<td>9120089684</td>
</tr>
<tr>
<td>- Cable assembly N4, no connector</td>
<td>9120089685</td>
</tr>
<tr>
<td>- Cable assembly N4T, no connector</td>
<td>9120089686</td>
</tr>
<tr>
<td>- Cable assembly N4T, Deutch/640 MM</td>
<td>9120089687</td>
</tr>
<tr>
<td>- Cable assembly N4T, Deutch/900 MM</td>
<td>9120089688</td>
</tr>
<tr>
<td>- Shim Kit (4000 total pieces)</td>
<td>20016558</td>
</tr>
</tbody>
</table>
Hydraulic Remote Controllers
Build Program

Bulletin HY14-1800/US
PCL401 Drawings

PCL401-M1
PCL401-H1B
PCL401-H1W

PCL401-E0
PCL401-E1
PCL401-E2

PCL401-N0
PCL401-N2T
PCL401-N4T

PCL401-TLSTEM

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