

# HCS Brief

## Hydraulic Cartridge Systems

## Tech Brief TB-0002

### Parker Cartridge Repair Kits

Available Options for Repair/Maintenance of Cartridge Valves

Parker Hydraulic Cartridge Systems Division (HCS) provides cartridge valves for a wide variety of different Industrial and Mobile applications. One of our advantages of providing integrated hydraulic circuits is the serviceability of the manifolds. If a valve is required to be replaced for any reason, all the user would need to do is unscrew the valve from the manifold and screw the replacement valve into the cavity.

With this in mind, there are a few replacement parts offered for the cartridge valve products. While HCS does not provide any repair parts for the internal components of our valves, we do offer external components, such as coils, knobs, and seals as service parts for repair to our cartridge valve products.

Parker HCS currently offers the following repair kits for our most common cartridge valves:

#### Coil Nut Kits

Valve	Kit	Quantity
DSL/DSH series	124364-17-K100	100 pcs/kit
GP/GS/GTP/HP/JP	1006020	100 pc min
DF122	118378-00-K50	50 pcs/kit
DF161/201	119762-00	50 pc min
DF161/201	901628	50 pc min

#### Seal Kits (Winner's Circle only)

Cavity Size	2-Way	3-Way	4-Way
Cavity C08-X	SK08-2, SK08-2V	SK08-3, SK08-3V	SK08-4, SK08-4V
Cavity C10-X	SK10-2, SK10-2V	SK10-3, SK10-3V	SK10-4, SK10-4V
Cavity C12-X	SK12-2, SK12-2V	SK12-3, SK12-3V	SK12-4, SK12-4V
Cavity C16-X	SK16-2, SK16-2V	SK16-3, SK16-3V	SK16-4, SK16-4V
Cavity C20-X	SK20-2, SK20-2V	SK20-3, SK20-3V	SK20-4, SK20-4V

#### Knob Kits

Valve	Kit
2 way pull valve	850020K
A0/A3/A4/A5/B0/B2/C0/C1/C2/C3/J0 series	ASV014975
DM/NV102 series	718126
NV101/FV series	840208K
RDH/RAH/PRH/SVH/NVH series	717784-10 (1" knob)
RDH/RAH/PRH/SVH/NVH series	717784-15 (1.5" knob)
RDH042 series	852544

#### Tamper Resistant Cap Kits

Valve	Kit
A0/A1/A2/A3/A4/A5/A6/B04/B2/C0/C1/C2/C3/E2/E3/E6/J02/J04/M04 series	TC1130
B1C/H1A/J1A/J2A series	TC1124
CB101 series	717785K
FR101 series	717783K
NVH101/RAH081/PRH081/PRH082/RDH081/SVH081/NVH081 series	717943K
RAH101 series	125407K
RDH101 series	718083K

#### Lever Kits

Valve	Kit
DM/NV102	718129

\*For non-Winner's Circle, please contact HCS for assistance.

## Pilot Pistons

Valves	Pilot Piston w/PTFE Seal	"No seal" Kits	Nitrile Seal Kits	Fluorocarbon Seal Kits
08 size single (CSPH081)	PP02SP			
10 size single (CSPH103)		717909	717909N	717909V
16 size single (CSPH161)		717910	717910N	717910V
08 size double (CDPH081)	PP02DP			
10 size double (CDPH103)		717917	717917N	717917V
16 size double (CDPH161)		717918	717918N	717918V

## Cavity Plugs

(V = Fluorocarbon seal)

Cavity C08-2	Cavity C08-3	Cavity C08-4
P08-2	P08-3 (All ports blocked)	P08-4 (All ports blocked)
P08-2V	P08-3B (Port 2 blocked/Flow open ports 1-3)	
	P08-3C (Port 1 blocked/Flow open ports 2-3)	
	P08-3V (All ports blocked)	

Cavity C10-2	Cavity C10-3	Cavity C10-4
P10-2	P10-3 (All ports blocked)	P10-4 (All ports blocked)
P10-2V	P10-3A (Port 3 blocked/Flow open ports 1-2)	P10-4A (Port 4 blocked/Flow open ports 1,2,3)
	P10-3B (Port 2 blocked/Flow open ports 1-3)	P10-4B (Port 3 blocked/Flow open ports 1,2,4)
	P10-3C (Port 1 blocked/Flow open ports 2-3)	P10-4C (Port 2 blocked/Flow open ports 1,3,4)
	P10-3V (All ports blocked)	P10-4V (All ports blocked)
	P10-3AV (Port 3 blocked/Flow open ports 1-2)	
	P10-3BV (Port 2 blocked/Flow open ports 1-3)	
	P10-3CV (Port 1 blocked/Flow open ports 2-3)	

## Spreader Valves

### Needle Kits

Spreader	Kit	Spreader	Kit
QDB (A05)	98-03718-01	QDL (A05)	98-03812-01
QDB (A07)	98-03718-02	QDL (A07)	98-03812-02
QDB (A10)	98-03718-03	QDL (A10)	98-03812-03
QDB (B10)	98-03717-01	QDL (B10)	98-03811-01
QDB (B16)	98-03717-02	QDL (B16)	98-03811-02
QDB (B20)	98-03717-03	QDL (B20)	98-03811-03

### Seal Kits

Spreader	Kit
QDA/QDB	89-03726
QDL/QDS	89-03725

### On/Off Knob Assembly

Spreader	Kit
QDL	89-03913

### Knob Kits

Spreader	Kit
QAB	718228
QDB	718123

## More Information

Parker Kits are available from the Hydraulic Cartridge Systems Division. Consult your HCS catalog or [www.parker.com/hcs](http://www.parker.com/hcs) for more information. You can also contact a Product Manager or Technical Support Specialist for help at 847-955-5000 or [HCSTechnical@parker.com](mailto:HCSTechnical@parker.com).

