

HCS Brief

Hydraulic Cartridge Systems

Tech Brief TB-0005

Cartpak Cross Reference

Guide to Cartpak Bodies

When Parker Hydraulic Cartridge Systems Division (formerly known as Integrated Hydraulics Division) was created and separated from Hydraulic Valve Division (HVD), the part numbering for the Cartpak product line was changed. Parker HVD used a numbering system starting with K2 (example: K2ACAPUSN). Parker HCS changed this to BD03 (example: BD03-PN-A) to differentiate Parker HCS from Parker HVD.

Please Note: The old numbering system also included the part number of the valve that is installed in the Cartpak body. For example, K2ACDAUSNRAH101S10 consists of the body B10-2-C3A and valve RAH101S10. Parker HCS no longer provides the valves installed in the Cartpak bodies. These need to be ordered separately. For example, to replace the K2ACDAUSNRAH101S10, you will need to replace with the following separate items: BD03-ABT-A and RAH101S10.

To assist our customers with converting from the old numbering system to the current system, we have provided the following cross reference table.

Old Code	Description	New Code (See Note 1)	Comments
K2*CAPU	P port Interrupt Upright	BD03-PN-*	
K2*CATU	T port Interrupt Inverted	BD03-PN-*	
K2*CBPU	P to T Upright	BD03-PT-*	
K2*CBPW	P to T Inverted	BD03-PT-*	
K2*CCDU	A and B Interrupt Upright	BD03-ABN-*	
K2*CCDW	A and B Interrupt Inverted	BD03-ABN-*	
K2*CCAU	A port Interrupt Upright	BD03-ABN-*	See Note 2
K2*CCAW	A port Interrupt Inverted	BD03-ABN-*	See Note 2
K2*CCBU	B port Interrupt Upright	BD03-ABN-*	See Note 2
K2*CCBW	B port Interrupt Inverted	BD03-ABN-*	See Note 2
K2*CDDU	A and B to Tank Upright	BD03-ABT-*	
K2*CDAU	A to Tank Upright	BD03-ABT-*	See Note 2
K2*CDBU	B to Tank Upright	BD03-ABT-*	See Note 2
K2*CEDU	Dual Cross Upright	BD03-ABX-*	
K2*CEAU	A to B cross Upright	BD03-ABX-*	See Note 2
K2*CEBU	B to A cross Upright	BD03-ABX-*	See Note 2
K2*CFPU	P port Reducing Upright	BD03-PNR-*	
K2*CGPU	P port Sequence Upright	BD03-PNS-*	
K2*CHDU	A and B Reducing Upright	BD03-DDX-*	
K2*CJBU	B port drain to A Reducer Upright	BD03-BDA-*	
K2*CKAU	A port drain to B Reducer Upright	BD03-ADB-*	
K2*CLPU	P port Solenoid Upright	BD03-PN2-*	See Note 3
K2*CLTW	T port Solenoid Upright	BD03-PN2-*	See Note 3

HCS vs. HVD Cross Reference

The * indicates A (for aluminum body) or S (for steel body) in the coding above for both old and new.

Note 1: On blocks for P and T ports, upright and inverted positioning determines the function of the block. Be sure that your customer knows which way is the proper way to install the Cartpak for proper function in the application.

Note 2: A cavity plug is required to complete the assembly. Function will determine which plug to use.

Note 3: Check the hydraulic circuit and verify that this will function properly. This variation does not match all valves.

Body-Only Cartpak Cross Reference

Old Body (HVD Legacy)	New Body (HCS Current)
B10-2-C3A	BD03-PN-*
B10-2-C3A-G (G=BSP gage port)	BD03-PN-* (SAE-4 gage port)
B10-2-C3B	BD03-PT-*
B10-2-C3B (G=BSP gage port)	BD03-PT-* (SAE-4 gage port)
B10-2-C3C	BD03-ABN-*
B10-2-C3D	BD03-ABT-*
B10-2-C3E	BD03-ABX-*
B10-3-C3F	BD03-PNR-*
B10-3-C3F-G (G=BSP gage port)	BD03-PNR-* (SAE-4 gage port)
B10-3-C3G	BD03-PNS-*
B10-3-C3H	BD03-DDX-*

The * indicates A (for aluminum body) or S (for steel body) in the coding above for both old and new.

More Information

Parker Cartpak Bodies are available from the Hydraulic Cartridge Systems Division. Consult your HCS catalog or 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.

