

# HCS Brief

## Hydraulic Cartridge Systems

## Tech Brief TB-0001

### Parker Solenoid Evolution

The Evolution of Solenoid Cartridge Valve Part Numbers

As Parker acquired numerous companies over the years (Gresen, Racine, Waterman, Sterling, FPS, CEC) the part numbering of the solenoid cartridge valves has evolved. The integration of product lines resulted in the development of the current Parker-HCS Winner's Circle product line.

Below is the evolution of the part numbering of the solenoid valve line:

#### The Beginning

This is the original family of PTC valves. It uses the older DS series coils on the DS family of valves. Not to be confused with the DSL or DSH series. Some coils are still available.



Example using valve, 1/2" **DS coil** and aluminum body with SAE-6 ports:

	Valve	Coil	Body
Individual Parts	DS081C	851003-120VAC	B08-2-A6T
Model Code Designation	DS081C	A120LC	A6T
Resulting Part Number	DS081CA120LC-A6T (Pre-Winner's Circle)		

#### The Unicoil

In 1990's, Parker redesigned the cartridge solenoid valves. The new family now used the Unicoil. The model codes changed, by only referencing the new DSL and DSH product line ratings, as shown below. The Unicoil was now the standard coil with the DSL/DSH valve family. DS coils became mostly "service only".



Example using high pressure valve, 1/2" **Unicoil** and aluminum body with SAE-6 ports.

L = Low Pressure (3000psi)  
H = High Pressure (5000psi)

	Valve	Coil	Body
Individual Parts	DSH081C	S8LCA120	B08-2-A6T
Model Code Designation	DSH081C	A120LC	A6T
Resulting Part Number	DSH081CA120LC-A6T		

## Winner's Circle and the SuperCoil

In 2004, Parker released a completely new and improved solenoid valve line, designated as the "Winners Circle" solenoid valve. The Unicoil was previously the standard coil, but upon the acquisition of Sterling Hydraulics in 2005, the SuperCoil was designated the preferred standard coil due to its more robust design. The Unicoil is gradually be phased out, but will remain for "service only" applications.



Example using high pressure valve, 1/2" **SuperCoil** and aluminum body with SAE-6 ports.

L = Low Pressure (3000psi)

H = High Pressure (5000psi)

	Valve	Coil	Body
Individual Parts	DSH081C	CCP115C	B08-2-A6T
Model Code Designation	DSH081C	SPA120C	A6T
Resulting Part Number	DSH081CSPA120C-A6T (Winner's Circle)		

## More Information

Parker Solenoid Valves 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).

