



Parker Hannifin Corporation
Cylinder Division
 500 South Wolf Road
 Des Plaines, IL 60016
 (847) 298-2400
 www.parker.com/cylinder

Parker Hannifin Corporation
Motion and Control Division
 160 Chisholm Drive
 Milton, Ontario
 Canada L9T 3G9
 (905) 693-3000

Service Bulletin HY08-1314-B1
Parker Conversion of
Legacy 2H/3H Model
Number & CPN to Gen II
 Issued: September, 2016

Parker Conversion of Legacy 2H/3H Model Number & CPN to Gen II

Legacy 2H/3H CPN's & Model Numbers have been programmatically converted to Gen II style. Converting programmatically eliminates the time to manually convert and increases the consistency and accuracy of new configuration data. 97% of pre-Gen II launch CPN's for Legacy design have been converted and added to PHconnect. Converted Gen II CPN's will have the same last six numeric digits as the original Legacy CPN. For example, Legacy CPN 1H00140211 becomes Gen II CPN 1H2H0A000140211. Exceptions are special cylinders created on an internal, non-rules based platform that will need to be manually converted by Cylinder Division personnel.

Because the Gen II model number is revised from the Legacy version and piston seal styles are different, model number conversion rules for the Piston Seal, Magnet, Gland & Seal and Seals field were developed by Cylinder Division Engineering and Marketing. We recognize that these conversions may not be optimal for every application situation. If they are not, enter the Gen II CPN on PHconnect, click the 'Click to edit selections for a new CPN' button near the bottom of the page, edit the selections and request a new CPN.

See the following pages for key model number differences and tables each for series 2H/3H and 2HD/3HD with Parker recommended conversions.

New CPN Format for Gen II 2H/2HD/2HB and 7.00" & 8.00" Bore 3H/3HD/3HB

The CPN format is revised from an 11 character string to 14 characters that includes series identification and revision level. The new CPN format for GEN II, described below, allows clear differentiation from the Legacy CPN. Note that

newly configured Gen II CPN's will begin at number 250000, for further distinction from CPN's converted from the Legacy design. CPN's will also sequence independently within each of the 4 new series listed below.

New CPN Format															
Cylinder or Part Type		Digits 1-2													
Family Series		Digits 3-5													
Generation		Digit 6													
Sequence Numeric		Digits 7-14 (Sequences within each Series)													
		Existing CPN													
		1	2	3	4	5	6	7	8	9	10	11			
		1	H	0	0	0	1	4	0	2	1	1			
Brand	Series	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Parker	2H/3H Legacy	1	H	0	0	0	1	4	0	2	1	1			
	2H, 2HD, 2HB Gen II	1	H	2	H	0	A	0	0	1	4	0	2	1	1
	3H, 3HD, 3HB Gen II	1	H	3	H	0	A	0	0	1	4	0	2	1	1
	2HX, 2HDX, 2HBX Gen II	1	H	2	H	X	A	0	0	1	4	0	2	1	1
	3HX, 3HDX, 3HBX Gen II	1	H	3	H	X	A	0	0	1	4	0	2	1	1

Configured Gen II service parts will also follow the new CPN format.

Cylinder Head part number - 2H2H0A00140211

Cylinder Cap part number - 3H2H0A00140211

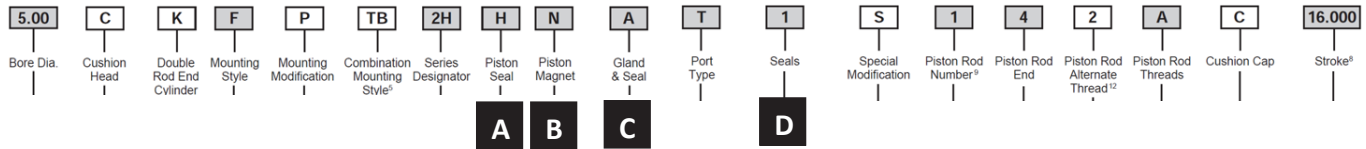
Cylinder Piston and Rod Assembly part number - 4H2H0A00140211

Cylinder Body part number - 5H2H0A00140211

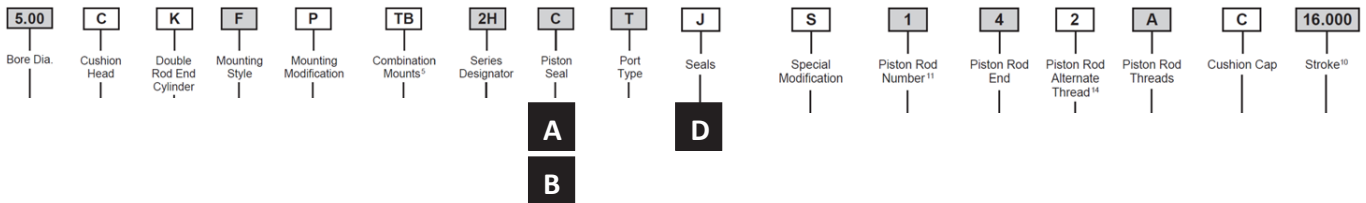
Complete set of Tie Rods for Cylinder part number - 7H2H0A00140211

Model Number Comparison – Gen II 2H/3H and Legacy 2H/3H

Gen II 2H/2HD/2HB and 7.00" & 8.00" Bore 3H/3HD/3HB Model Number



Legacy 2H/2HD and 7.00" & 8.00" Bore 3H/3HD Model Number



Data entry in Gen II 2H/3H model number fields is generally the same as Legacy 2H/3H except the 4 fields noted below.

- A** **Piston Seal** – No Legacy piston seal offerings are available in Gen II. Piston seal styles are all new for Gen II. See appendix A for Parker recommended conversion.
- B** **Piston Magnet** – Piston magnet for tie rod mounted reed or solid state switches. Was a piston field selection for Legacy 2H and is a now a separate selection for Gen II. Piston Magnet can be supplied with all seal styles. See appendix A for Parker recommended conversion.
- C** **Gland & Seal** – New for Gen II. Allows model number selection of Low Friction Gland or future Buffer Seal Gland. See appendix A for Parker recommended conversion.
- D** **Seals** – Seal offerings are the same for Gen II and Legacy. It is now a required field for Gen II with all seal classes specified with their numeric assignment. See appendix A for Parker recommended conversion.



2H / 3H Piston - Gland - Seal Conversion – Current to Next Gen 2H							
Legacy 2H/3H Codes ¹		Converts	Gen II Codes				
Piston	Seal		Piston	Magnet	Gland & Seal	Seal	Special
-	-	to	R	N	A	1	-
-	J	to	R	N	A	6	-
-	V	to	K	N	A	5	-
-	W*	to	K	N	A	2	S
-	X	to	R	N	A	3	-
-	2	to	R	N	A	2	-
-	4	to	R	N	A	4	-
-	E	to	K	N	A	E	-
-	H	to	K	N	F	8	-
-	N	to	K	N	F	8	-
C	-	to	R	N	A	1	-
C	J	to	R	N	A	6	-
C	V	to	K	N	A	5	-
C	W*	to	K	N	A	2	S
C	X	to	R	N	A	3	-
C	2	to	R	N	A	2	-
C	4	to	R	N	A	4	-
C	E	to	K	N	A	E	-
C	H	to	K	N	F	8	-
C	N	to	K	N	F	8	-
L	-	to	H	N	A	1	-
L	J	to	K	N	A	6	-
L	V	to	K	N	A	5	-
L	W*	to	K	N	A	2	S
L	X	to	K	N	A	3	-
L	2	to	K	N	A	2	-
L	4	to	H	N	A	4	-
L	E	to	K	N	A	E	-
L	N	to	K	N	F	8	-
K	-	to	K	N	A	1	-
K	J	to	K	N	A	6	-
K	V	to	K	N	A	5	-
K	W*	to	K	N	A	2	S
K	X	to	K	N	A	3	-
K	2	to	K	N	A	2	-
K	4	to	K	N	A	4	-
K	E	to	K	N	A	E	-
K	N	to	K	N	F	8	-

¹ '-' means blank field

* Add note when W is selected in the current model number seal field: Modified for water service.



2H / 3H Piston - Gland - Seal Conversion – Current to Next Gen 2H							
Legacy 2H/3H Codes ¹		Converts	Gen II Codes				
Piston	Seal		Piston	Magnet	Gland & Seal	Seal	Special
F	–	to	K	N	F	1	–
F	J	to	K	N	F	6	–
F	V	to	K	N	F	8	–
F	X	to	K	N	F	3	–
F	2	to	K	N	F	2	–
F	4	to	K	N	F	4	–
F	N	to	K	N	F	8	–
S	–	to	K	N	A	1	–
S	J	to	K	N	A	6	–
S	V	to	K	N	A	5	–
S	X	to	K	N	A	3	–
S	2	to	K	N	A	2	–
S	4	to	K	N	A	4	–
S	E	to	K	N	A	E	–
S	H	to	K	N	F	8	–
M	–	to	H	N	A	1	–
M	J	to	W	N	A	6	–
M	V	to	W	N	A	5	–
M	X	to	W	N	A	3	–
M	2	to	W	N	A	2	–
M	4	to	Consult Factory				–
M	E	to	W	N	A	E	–
M	N	to	W	N	F	N	–
3	–	to	H	3	A	1	–
3	J	to	K	3	A	6	–
3	V	to	K	3	A	5	–
3	X	to	K	3	A	3	–
3	2	to	K	3	A	2	–
3	4	to	H	3	A	4	–
3	E	to	K	3	A	E	–
3	N	to	K	3	F	N	–
7	–	to	H	7	A	1	–
7	J	to	K	7	A	6	–
7	V	to	K	7	A	5	–
7	X	to	K	7	A	3	–
7	2	to	K	7	A	2	–
7	4	to	H	7	A	4	–
7	E	to	K	7	A	E	–
7	N	to	K	7	F	N	–

¹ '–' means blank field

* Add note when W is selected in the current model number seal field: Modified for water service.



2HD / 3HD Piston - Gland - Seal Conversion – Current to Next Gen 2HD							
Legacy 2HD/3HD Codes ¹		Converts	Gen II Codes				
Piston	Seal		Piston	Magnet	Gland & Seal	Seal	Special
-	-	to	R	N	H	1	-
-	J	to	R	N	H	6	-
-	V	to	K	N	H	5	-
-	W*	to	K	N	H	2	S
-	X	to	R	N	H	3	-
-	2	to	R	N	H	2	-
-	4	to	R	N	H	4	-
-	E	to	K	N	H	E	-
-	H	to	K	N	F	8	-
-	N	to	K	N	F	8	-
C	-	to	R	N	H	1	-
C	J	to	R	N	H	6	-
C	V	to	K	N	H	5	-
C	W*	to	K	N	H	2	S
C	X	to	R	N	H	3	-
C	2	to	R	N	H	2	-
C	4	to	R	N	H	4	-
C	E	to	K	N	H	E	-
C	H	to	K	N	F	8	-
C	N	to	K	N	F	8	-
L	-	to	H	N	H	1	-
L	J	to	K	N	H	6	-
L	V	to	K	N	H	5	-
L	W*	to	K	N	H	2	S
L	X	to	K	N	H	3	-
L	2	to	K	N	H	2	-
L	4	to	H	N	H	4	-
L	E	to	K	N	H	E	-
L	N	to	K	N	F	8	-
K	-	to	K	N	H	1	-
K	J	to	K	N	H	6	-
K	V	to	K	N	H	5	-
K	W*	to	K	N	H	2	S
K	X	to	K	N	H	3	-
K	2	to	K	N	H	2	-
K	4	to	K	N	H	4	-
K	E	to	K	N	H	E	-
K	N	to	K	N	F	8	-

¹ '-' means blank field

* Add note when W is selected in the current model number seal field: Modified for water service.



2HD / 3HD Piston - Gland - Seal Conversion - Current to Next Gen 2HD								
Legacy 2HD/3HD Codes ¹		Converts	Gen II Codes					
Piston	Seal		Piston	Magnet	Gland & Seal	Seal	Special	
F	-	to	K	N	F	1	-	
F	J	to	K	N	F	6	-	
F	V	to	K	N	F	8	-	
F	X	to	K	N	F	3	-	
F	2	to	K	N	F	2	-	
F	4	to	K	N	F	4	-	
F	N	to	K	N	F	8	-	
S	-	to	K	N	H	1	-	
S	J	to	K	N	H	6	-	
S	V	to	K	N	H	5	-	
S	X	to	K	N	H	3	-	
S	2	to	K	N	H	2	-	
S	4	to	K	N	H	4	-	
S	E	to	K	N	H	E	-	
S	H	to	K	N	F	8	-	
M	-	to	H	N	H	1	-	
M	J	to	W	N	H	6	-	
M	V	to	W	N	H	5	-	
M	X	to	W	N	H	3	-	
M	2	to	W	N	H	2	-	
M	4	to	Consult Factory					-
M	E	to	W	N	H	E	-	
M	N	to	W	N	F	N	-	
3	-	to	H	3	H	1	-	
3	J	to	K	3	H	6	-	
3	V	to	K	3	H	5	-	
3	X	to	K	3	H	3	-	
3	2	to	K	3	H	2	-	
3	4	to	H	3	H	4	-	
3	E	to	K	3	H	E	-	
3	N	to	K	3	F	N	-	
7	-	to	H	7	H	1	-	
7	J	to	K	7	H	6	-	
7	V	to	K	7	H	5	-	
7	X	to	K	7	H	3	-	
7	2	to	K	7	H	2	-	
7	4	to	H	7	H	4	-	
7	E	to	K	7	H	E	-	
7	N	to	K	7	F	N	-	

¹ '-' means blank field

* Add note when W is selected in the current model number seal field: Modified for water service.

