HD603B PARTS LIST

Discontinued Model – parts availability may be limited.

Serial #_____ ID#_____ _____ _____

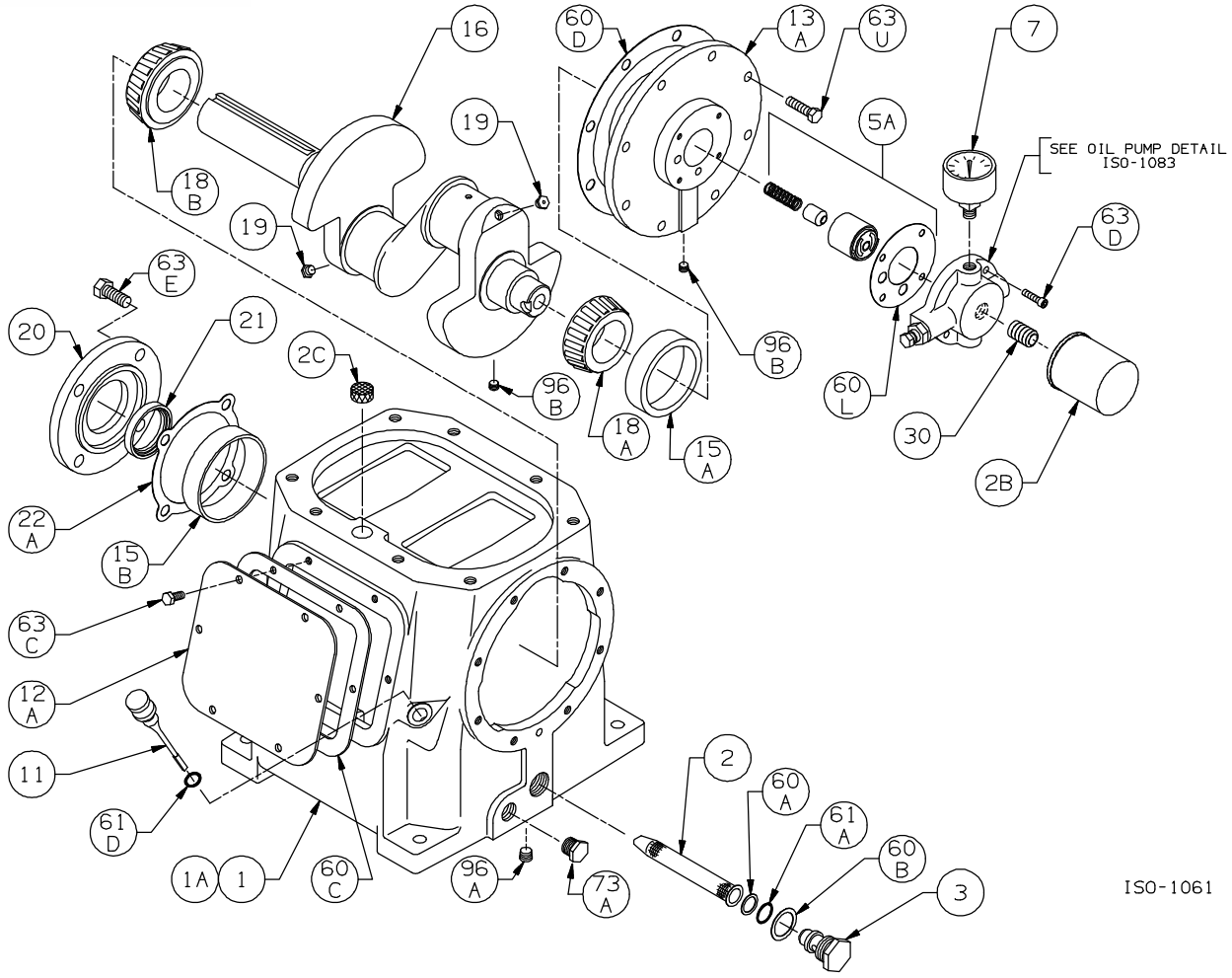
Gasket Sets and Special Tools

Gasket Set	Buna-N & Iron	794594
	FKM & Iron	794592
	PTFE & Iron	794593
	Neoprene & Iron	794590
	Ethylene Propylene & Iron	794589
Packing Installation Tool		790538
Spanner Wrench, 1/4" Adjustable		790316
Wrench for Valve Holdown Screw		790535
Tool Kit		790199

Bulletins Needed For Complete Parts List

This page	9E-151
Crankcase	9F-031
Oil Pump	9G-011
Flywheel	9H-030
Crosshead	9J-101
Packing	9K-041
Cylinder	9L-070
Head	9M-110
Head with Unloaders	9M-120

Notes:



Crankcase Assembly:
Models HD601B, HD602B, HD603B, HDL602B, HDL603B, HDL642B, HDL643B, HD612B, HD613B, HDL612B, HDL613B

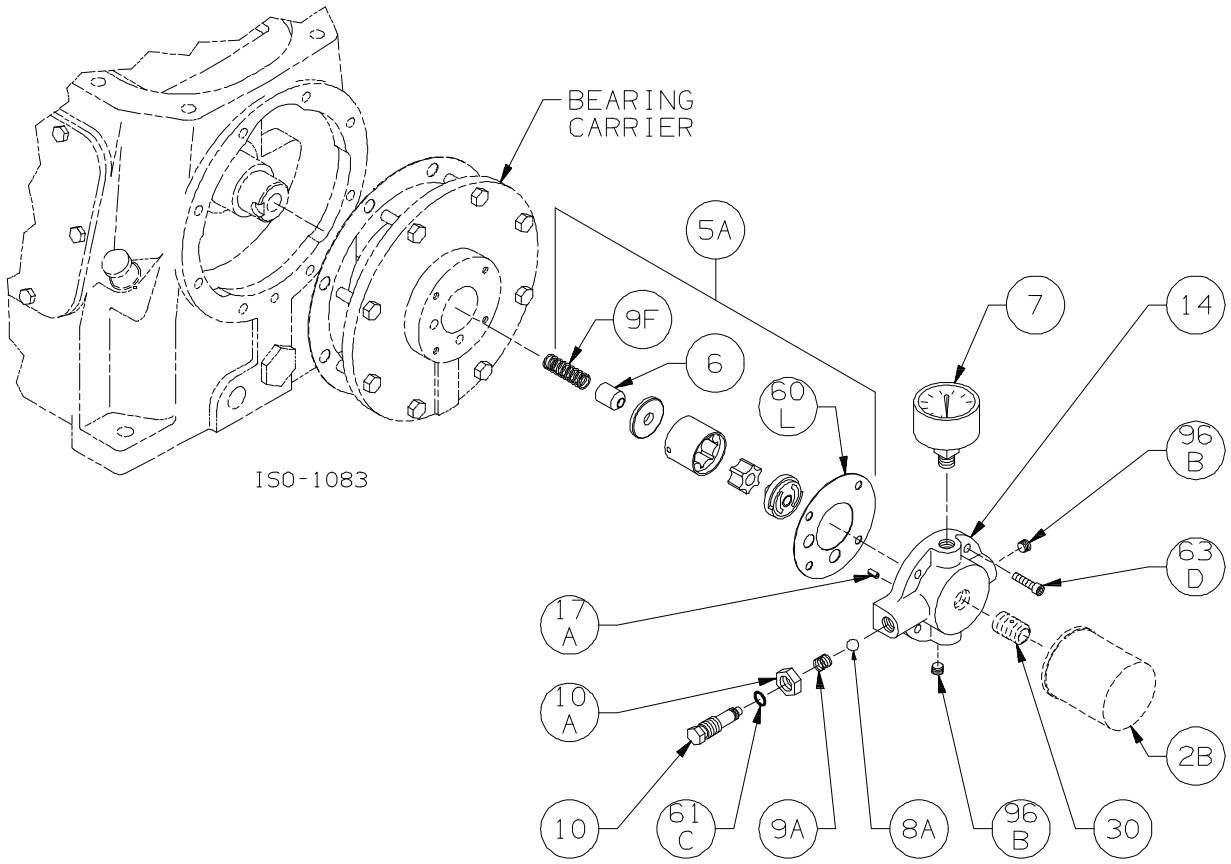
ISO1061

Ref	Description	Qty	Part No
1	Crankcase Assembly - w\ Oil Filter (std.)	1	794758
	Crankcase Assembly		794759
1A	Crankcase	1	794709
2	Oil Intake Screen	1	792135
2B	Oil Filter	1	794726
2C	Breather Filter	1	794752
3	Oil Screen Plug	1	792145
5A	Oil Pump Kit	1	794760
7	Oil Pressure Gauge	1	790012
11	Oil Bayonet Assembly	1	792162
12A	Inspection Plate	1	794140
13A	Bearing Carrier	1	794714
15A	Bearing Cup (Outboard)	1	794131
15B	Bearing Cup (Inboard)	1	794731
16	Crankshaft Assembly (w\ 18A,18B,19,96B)	1	794708
18A	Bearing Cone (Outboard)	1	794130
18B	Bearing Cone (Inboard)	1	794730
19	Orifice	2	792146

Ref	Description	Qty	Part No
20	Bearing Cover Plate	1	794716
21	Oil Seal	1	794732
22A	Bearing Adjustment Shim Kit	1	794733
30	Oil Filter Fitting	1	794725
60A	Gasket - Oil Screen *	1	792136
60B	Gasket - Oil Screen Plug *	1	792123
60C	Gasket - Inspection Plate *	1	794122
60D	Gasket - Bearing Carrier Assembly *	1	794720
60L	Gasket - Oil Pump Cover *	1	794721
61A	O-Ring - Oil Screen *	1	792175
61D	O-Ring - Oil Bayonet *	1	792174
63C	Capscrew - Hex Hd	6	793116
63D	Capscrew - Soc Hd	4	790559
63E	Capscrew - Hex Hd	4	790484
63U	Capscrew - Hex Hd	8	792093
73A	Pipe Plug	1	790024
96A	Pipe Plug	1	790488
96B	Pipe Plug	2	790309

* Included in Gasket Sets

COMPRESSORS



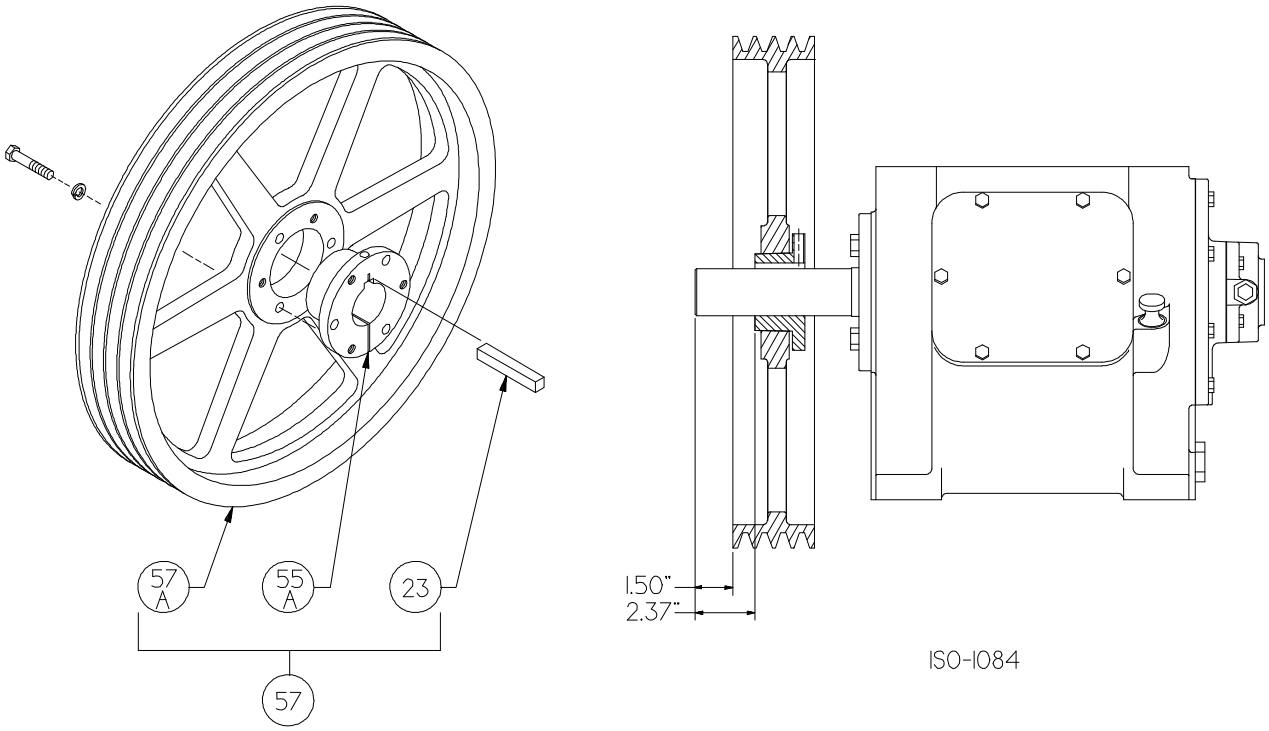
Oil Pump Detail for Models:
HD161C, HD161B, HD162C, HD162B, HD163C, HD163B,
HD172C, HD172B, HD173C, HD173B,
HDL342B, HDL343B, HDL342C, HDL343C,
HD361C, HD361B, HD362C, HD362B, HD363C, HD363B
HDL362B, HDL363B, HDL362C, HDL363C,
HD372C, HD372B, HDL372C, HDL372B, HD373C, HD373B, HDL373C, HDL373B,
HD601B, HD602B, HD603B, HDL601B, HDL602B, HDL603B, HDL641B, HDL642B, HDL643B,
HD612B, HDL612B, HD613B, HDL613B,
HD942A and HDL942A

ISO1083

Ref	Description	Qty	Part No
2B	Oil Filter	1	794726
5A	Oil Pump Kit (w/ 6, 9F, 60L)		794760
6	Oil Pump Cone	1	794750
7	Oil Pressure Gauge	1	790012
8A	Oil Pressure Adj. Ball	1	792154
9A	Oil Pressure Adj. Spring	1	792153
9F	Oil Pump Spring	1	794751
10	Oil Pressure Adj. Screw	1	792148
10A	Locknut	1	792152

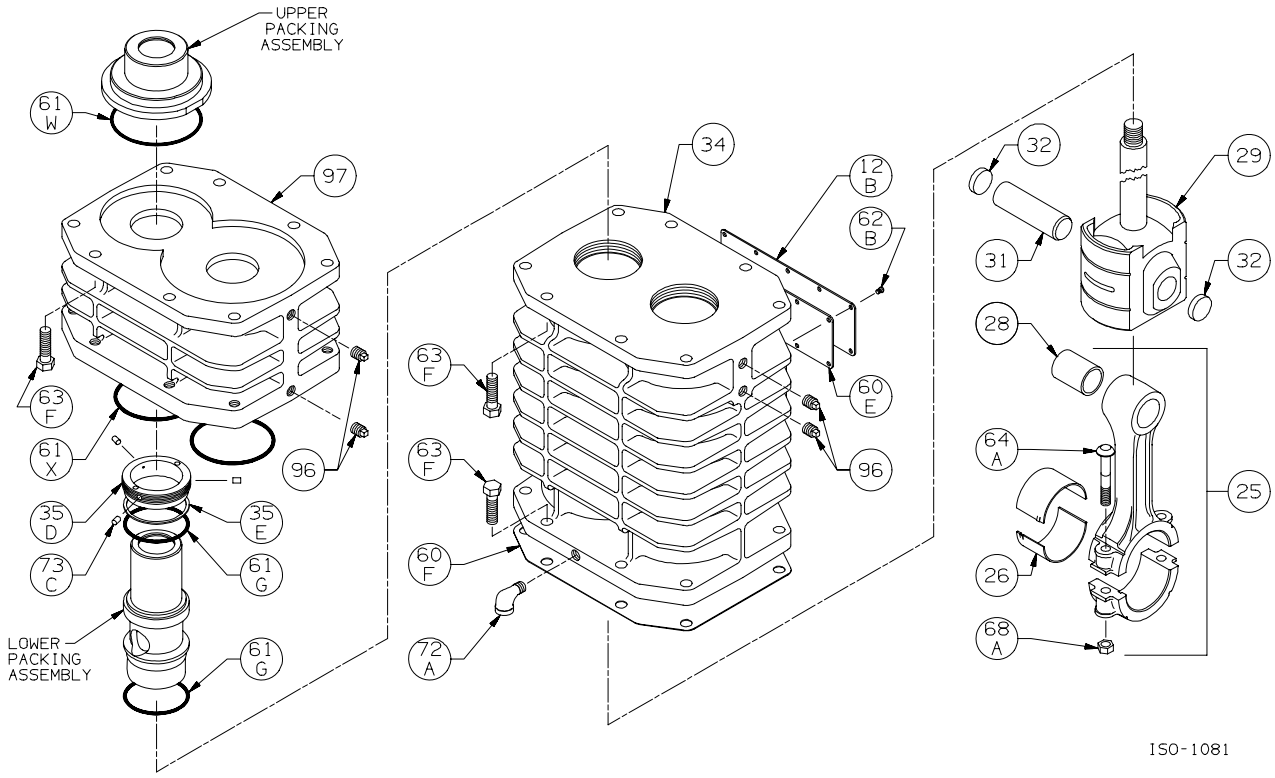
Ref	Description	Qty	Part No
14	Oil Pump Cover Assembly - For Filter with 17A, 96B	1	794764
	Oil Pump Cover Assembly - w\ 17A, 96B		794763
17A	Roll Pin	1	794753
30	Oil Filter Fitting	1	794725
60L	Gasket - Oil Pump Cover *	1	794721
61C	O-Ring - Adjusting Screw *	1	792168
63D	Capscrew - Soc. Hd	4	790559
96B	Pipe Plug	2	790309

* Included in Gasket Sets



Standard Flywheel Assembly:
HD601B, HD602B, HD603B
HDL602B, HDL603B
HDL642B, HDL643B ISO1084

Ref	Description	Qty	Part No
23	Key	1	794267
55A	Hub	1	790149
57	Flywheel Assembly	1	794132
57A	Flywheel	1	790545



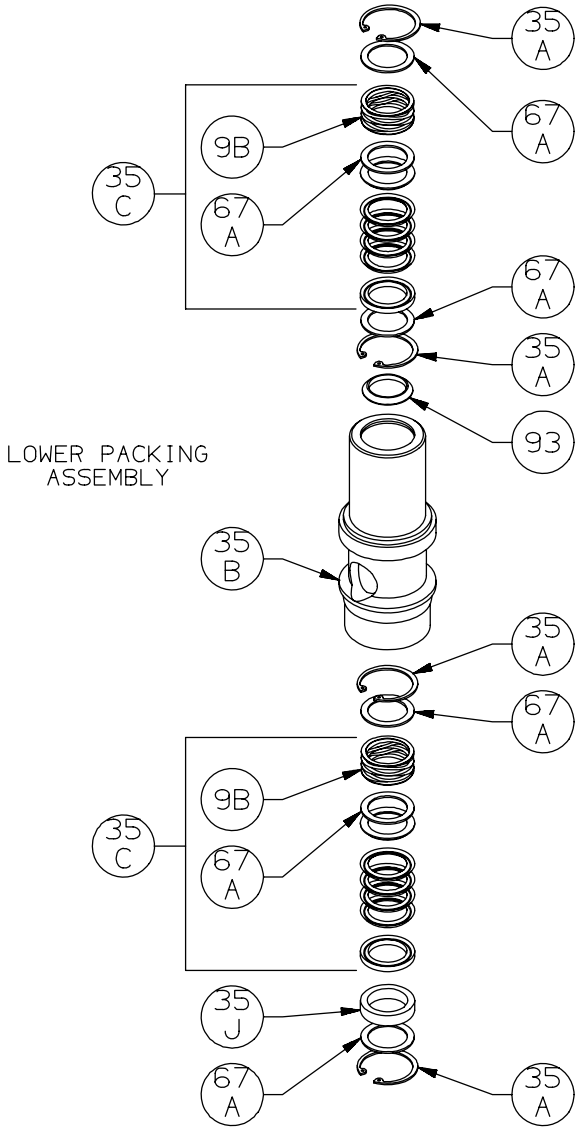
Crosshead Assembly: HD603B, HDL603B, HDL643B ISO1081

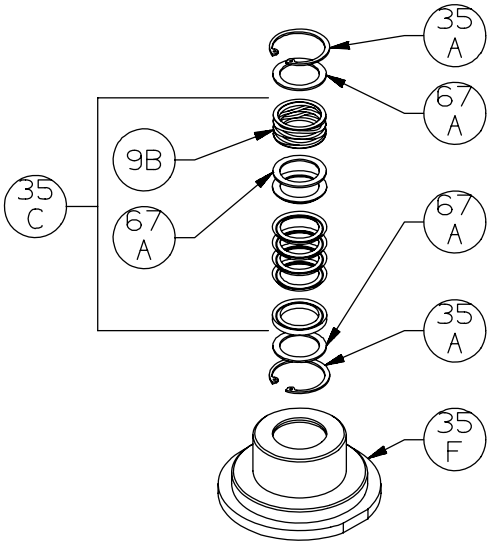
Ref	Description	Qty	Part No
12B	Inspection Plate	1	794093
25	Connecting Rod Assembly	2	794728
26	Connecting Rod Bearing	2	794710
28	Wrist Pin Bushing **	2	794749
29	Crosshead Assembly	2	794435
31	Wrist Pin	2	794727
32	Wrist Pin Plug	4	794724
34	Crosshead Guide	1	794430
35D	Hold-down Ring	2	794220
35E	Spacer Ring	2	794403
60E	Gasket - Inspection Plate *	1	794092
60F	Gasket - Crankcase *	1	794121
61G	O-Ring (Buna-N) *	4	794082
	O-Ring (FKM) *		794213
	O-Ring (PTFE) *		794208
	O-Ring (Neoprene) *		794090
	O-Ring (Ethylene Propylene) *		794206
61W	HD603B, HDL603B only		
	O-Ring (Buna-N) *	2	793177
	O-Ring (FKM) *		793212
	O-Ring (PTFE) *		793210
	O-Ring (Neoprene) *		793216
	O-Ring (Ethylene Propylene) *		793206

Ref	Description	Qty	Part No
61W	HDL643B only		
	O-Ring (Buna-N) *	2	794082
	O-Ring (FKM) *		794213
	O-Ring (PTFE) *		794208
	O-Ring (Neoprene) *		794090
	O-Ring (Ethylene Propylene) *		794206
61X	O-Ring (Buna-N) *	2	794426
	O-Ring (FKM) *		794425
	O-Ring (PTFE) *		794427
	O-Ring (Neoprene) *		794424
	O-Ring (Ethylene Propylene) *		794428
62B	Machine Screw - Inspection Plate	10	793096
63F	Capscrew - Hex Hd	24	794094
64A	Connecting Rod Bolt	4	794012
68A	Connecting Rod Bolt Nut	4	794013
72A	Elbow - Vent	1	790453
73C	Lock Plug *	6	794028
96	Pipe Plug	8	793498
97	Distance Piece	1	794410

*Included in Gasket Sets

** Must be honed after installing





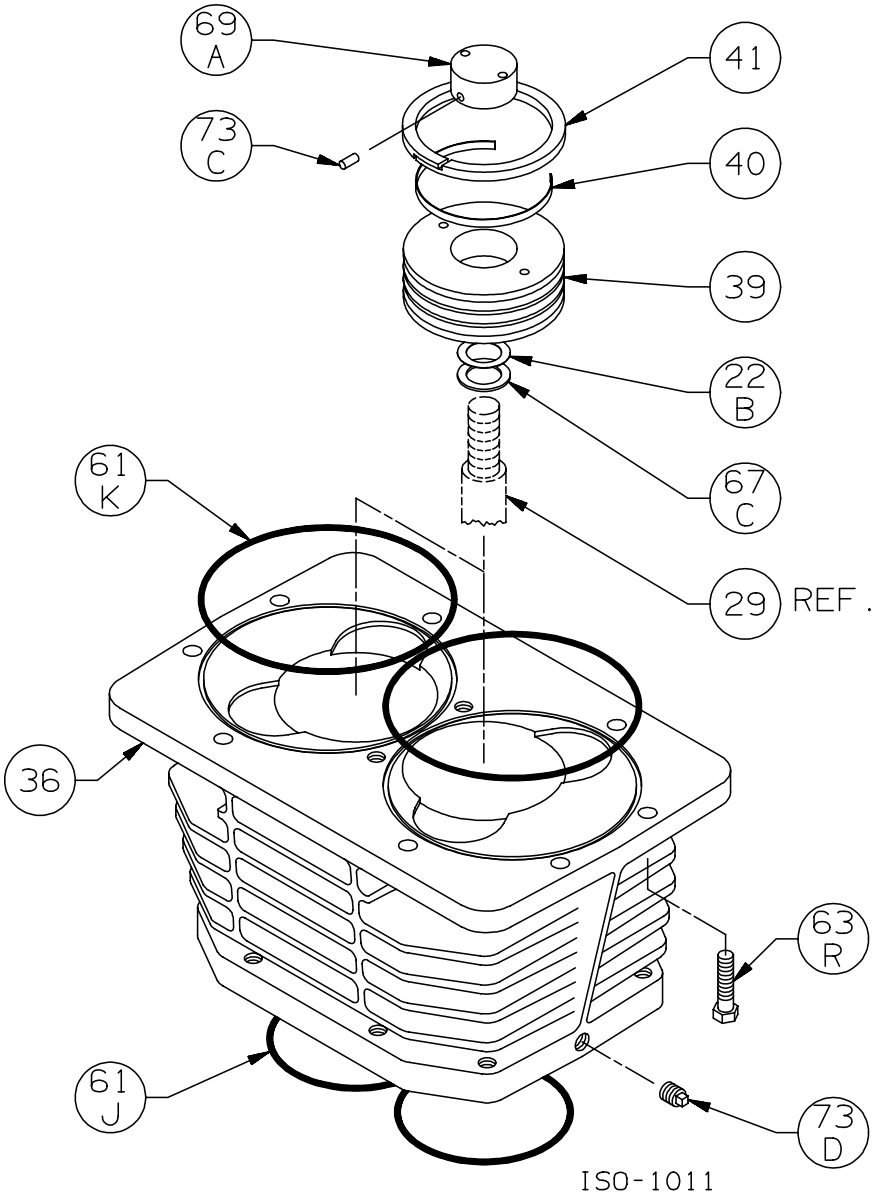
ISO-1104

Packing Assembly: HD603B, HDL603B

Ref	Description	Qty	Part No
9B	Packing Spring	6	794041
35A	Retainer Ring	12	794080
35B	Packing Box - Lower	2	794452
35C	Packing Set	6	794498
35F	Packing Box - Upper	2	794404
	Packing Box - Upper TNT-12		792886
35J	Packing Bushing	2	794043
67A	Washer - Packing Box	18	794084
93	Oil Deflector Ring	2	794478

Packing Assembly: HDL643B ISO1104

Ref	Description	Qty	Part No
9B	Packing Spring	6	794041
35A	Retainer Ring	12	794080
35B	Packing Box - Lower	2	794452
35C	Packing Set	6	794498
35F	Packing Box - Upper	2	794413
	Packing Box - Upper TNT-12		792843
35J	Packing Bushing	2	794043
67A	Washer - Packing Box	18	794084
93	Oil Deflector Ring	2	794478

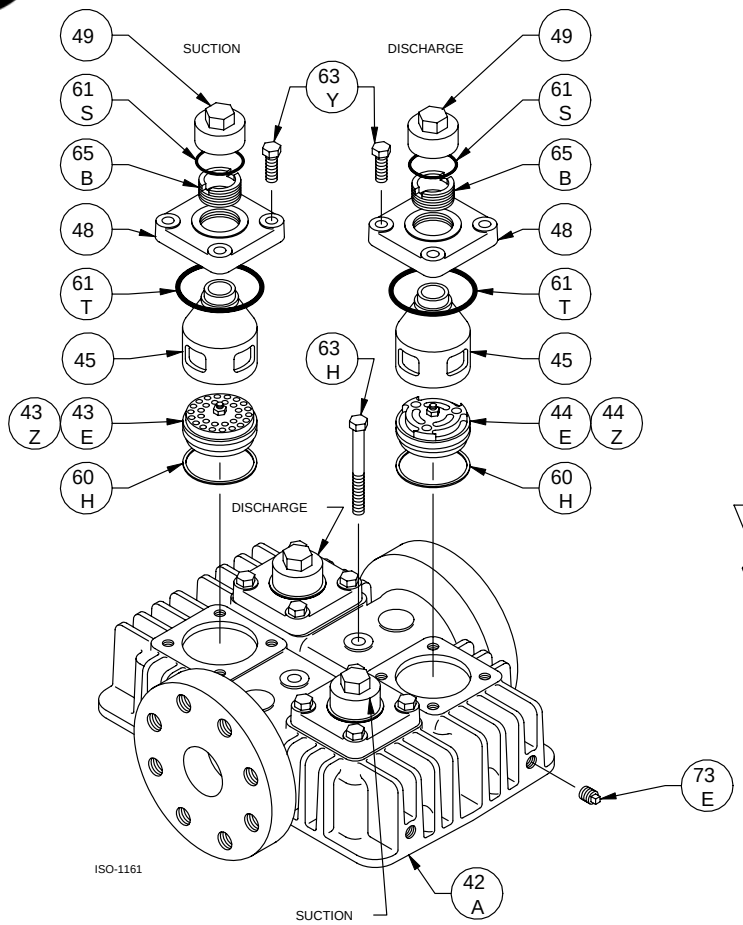


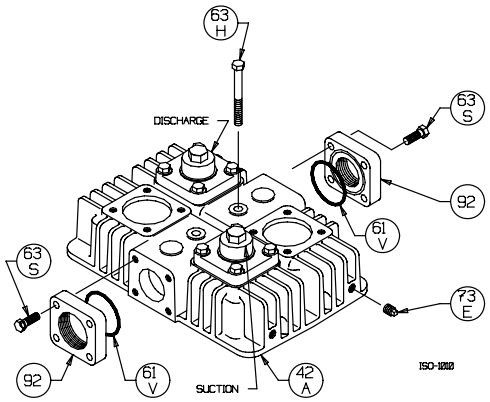
Cylinder Assembly: HD601A, HD602A, HD603A, HD601B, HD602B, HD603B ISO1011

Ref	Description	Qty	Part No
22B	Piston Shim - 0.015"	AR	794434
	Piston Shim - 0.007"	AR	794436
36	Cylinder	1	794103
	Cylinder TNT-12		792831
39	Piston	2	794431
	Piston TNT-12		792833
40	Expander	6	793614
41	Piston Ring - Std	6	793610
	Piston Ring - Poly Filled		793612
61J	O-Ring (Buna N) Std *	2	794126
	O-Ring (FKM) *		794214
	O-Ring (PTFE) *		794125
	O-Ring (Neoprene) *		794142
	O-Ring (Ethylene Propylene) *		794110

Ref	Description	Qty	Part No
61K	O-Ring (Buna N) Std *	2	794104
	O-Ring (FKM) *		794106
	O-Ring (PTFE) *		794105
	O-Ring (Neoprene) *		794108
	O-Ring (Ethylene Propylene) *		794210
63R	Capscrew - Hex Hd	8	794097
67C	Thrust Washer	2	794433
69A	Piston Nut	2	794422
	Piston Nut TNT-12		792834
73C	Lock Plug *	4	794222
73D	Pipe Plug	1	793498

* Included in Gasket Sets





Head Style used on units built prior to July 2001. Replaced by the ANSI flanged head shown.

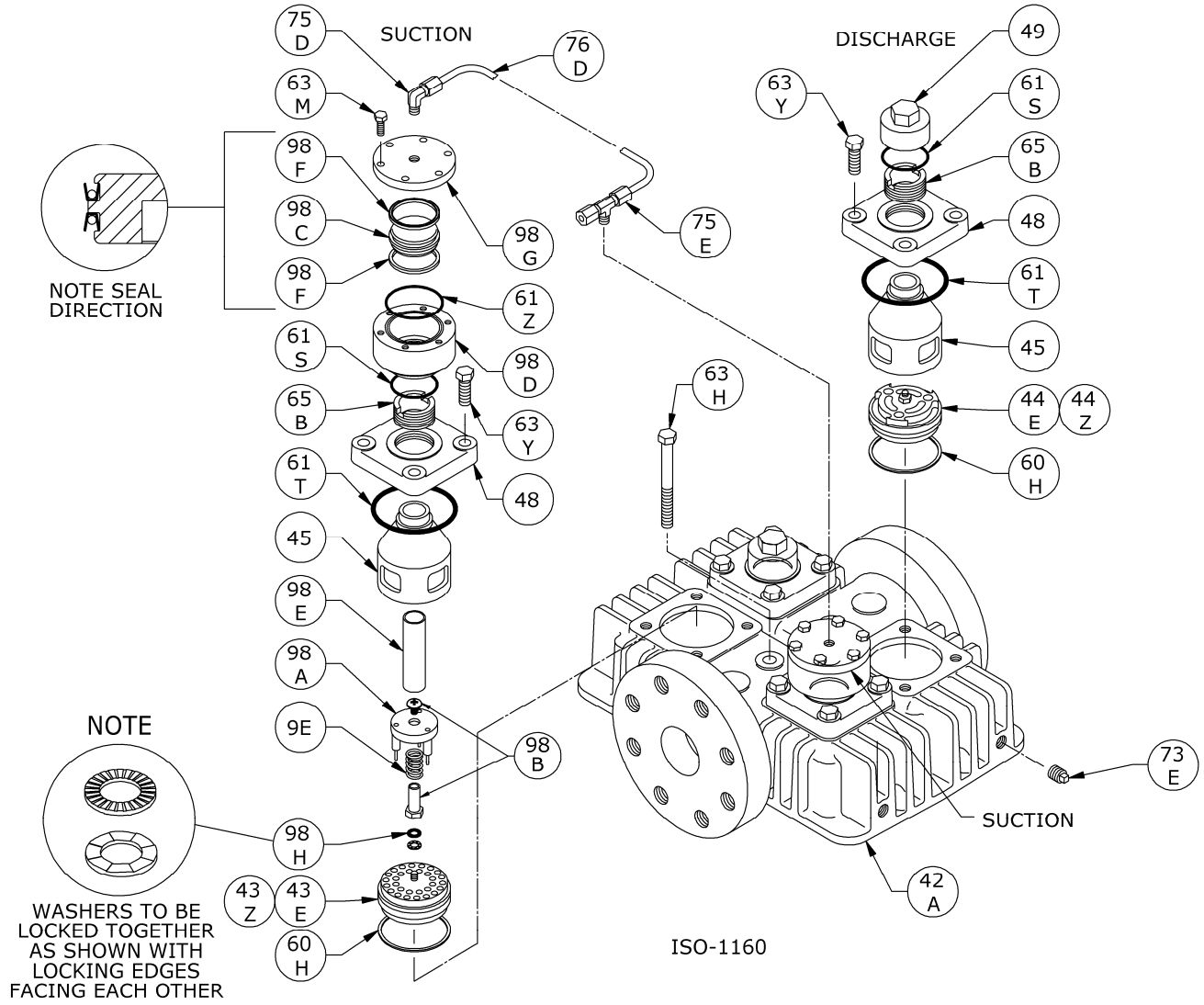
Head Assembly: HD601B|A, HD602C|B|A, HD603C|B|A

ISO1161

Ref	Description	Qty	Part No
42A	Head (ANSI Flanges)	1	794100
	Head TNT-12 (ANSI Flanges)		792893
	Head (4-bolt flange style)		794102
	Head TNT-12 (4-bolt flange style)		792832
43E	Suction Valve Assembly	2	793659
	Suction Valve Assembly TNT-12		792872
	Suction Valve Assembly, Stainless Steel		793629
43Z	Valve Repair Kit - For 793659/793679		793660
	Valve Repair Kit - For 793629		793630
44E	Discharge Valve Assembly	2	793679
	Discharge Valve Assembly TNT-12		792873
	Discharge Valve Assy, Stainless Steel		793649
44Z	Valve Repair Kit - For 793659/793679		793660
	Valve Repair Kit - For 793649		793650
45	Cage	4	794620
	Cage TNT-12		792835
48	Valve Cover Plate	4	794284
	Valve Cover Plate TNT-12		792817
49	Valve Cap	4	792003
	Valve Cap TNT-12		792804
60H	Gasket - Valve *	4	794198
61S	O-Ring (Buna-N) Std *	4	792306
	O-Ring (FKM) *		792308
	O-Ring (PTFE) *		792307
	O-Ring (Neoprene) *		792309
	O-Ring (Ethylene Propylene) *		792310

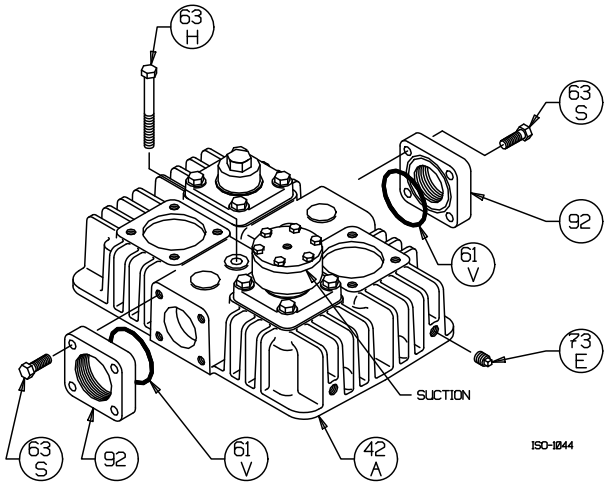
Ref	Description	Qty	Part No
61T	O-Ring (Buna-N) Std *	4	792112
	O-Ring (FKM) *		792213
	O-Ring (PTFE) *		792210
	O-Ring (Neoprene) *		792110
	O-Ring (Ethylene Propylene) *		792206
61V	O-Ring (Buna-N) Std *	2	792412
	O-Ring (FKM) *		792413
	O-Ring (PTFE) *		792414
	O-Ring (Neoprene) *		792410
	O-Ring (Ethylene Propylene) *		792411
63H	Capscrew - Hex Hd	2	794115
63S	Capscrew - Hex Hd	8	794096
63Y	Capscrew - Hex Hd	16	793094
65B	Valve Holddown Screw	4	792002
	Valve Holddown Screw TNT-12		792806
73E	Pipe Plug	2	793498
92	Flange-Inlet (2 NPT) Std	1	794117
	Flange-Inlet (2 NPT) TNT-12		792837
	Flange-Outlet (1.5 NPT) Std	1	794116
	Flange-Outlet (1.5 NPT) TNT-12		792836
	Flange (1.25 NPT)		794118
	Flange (1.25 NPT) TNT-12		792866

* Included in Gasket Sets



Head Assembly with Unloaders:
HD601B|A, HD602C|B|A, HD603C|B|A

Head Style used on units built prior to July 2001. Replaced by the ANSI flanged head shown above.



Head Assembly with Unloaders: HD601B|A, HD602C|B|A, HD603C|B|A ISO1160

Ref	Description	Qty	Part No
9E	Unloader Spring	2	793293
42A	Head (ANSI Flanges)	1	794100
	Head TNT-12 (ANSI Flanges)		792893
	Head (4-bolt flange style)		794102
	Head TNT-12 (4-bolt flange style)		792832
43E	Suction Valve Assembly	2	793659
	Suction Valve Assembly TNT-12		792872
	Suction Valve Assy, Stainless Steel		793629
43Z	Valve Repair Kit - For 793659/793679		793660
	Valve Repair Kit - For 793629		793630
44E	Discharge Valve Assembly	2	793679
	Discharge Valve Assembly TNT-12		792873
	Discharge Valve Assy, Stainless Steel		793649
44Z	Valve Repair Kit - For 793659/793679		793660
	Valve Repair Kit - For 793649		793650
45	Cage	4	794620
	Cage TNT-12		792835
48	Valve Cover Plate	4	794284
	Valve Cover Plate TNT-12		792817
49	Valve Cap	2	792003
	Valve Cap TNT-12		792804
60H	Gasket - Valve *	4	794198
61S	O-Ring (Buna-N) Std *	4	792306
	O-Ring (FKM) *		792308
	O-Ring (PTFE) *		792307
	O-Ring (Neoprene) *		792309
	O-Ring (Ethylene Propylene) *		792310
61T	O-Ring (Buna-N) Std *	4	792112
	O-Ring (FKM) *		792213
	O-Ring (PTFE) *		792210
	O-Ring (Neoprene) *		792110
	O-Ring (Ethylene Propylene) *		792206

Ref	Description	Qty	Part No
61V	O-Ring (Buna-N) Std *	2	792412
	O-Ring (FKM) *		792413
	O-Ring (PTFE) *		792414
	O-Ring (Neoprene) *		792410
	O-Ring (Ethylene Propylene) *		792411
61Z	O-Ring (Buna-N) Std *	2	792311
	O-Ring (FKM) *		792313
	O-Ring (PTFE) *		792312
	O-Ring (Neoprene) *		792314
	O-Ring (Ethylene Propylene) *		792320
63H	Capscrew - Hex Hd	2	794115
63M	Capscrew - Hex Hd	12	790053
63S	Capscrew - Hex Hd	8	794096
63Y	Capscrew - Hex Hd	16	793094
65B	Valve Holddown Screw	4	792002
	Valve Holddown Screw TNT-12		792806
73E	Pipe Plug	2	793498
75D	Tube Elbow	1	790355
75E	Tube Tee	1	790356
76D	Tube	1	790192
92	Flange-Inlet (2 NPT) Std	1	794117
	Flange-Inlet (2 NPT) TNT-12		792837
	Flange-Outlet (1.5 NPT) Std	1	794116
	Flange-Outlet (1.5 NPT) TNT-12		792836
	Flange (1.25 NPT)		794118
	Flange (1.25 NPT) TNT-12		792866
98A	Actuator Assembly	2	794296
	Actuator Assembly, for SS Valve		794298
98B	Unloader Post w/bolt [1]	2	793291
	Unloader Post w/bolt [1], for SS Valve		794291
98C	Unloader Piston	2	793288
98D	Unloader Body	2	793286
98E	Unloader Plunger	2	794290
98F	Unloader Seal	4	792284
98G	Unloader Cap	2	793287
98H	Lockwasher (2 piece)	2	793473

* Included in Gasket Sets

[1] Unloader Post with bolt replaces earlier style unloader post with retainer ring.

Suggested Spare Parts for HD603B & HDL603B compressors:

Part #	Description	Qty./ Unit	Comm. Qty.	Spare Qty.
794594 794593 794592 794590 794589	Gasket Set - Buna-N Gasket Set - PTFE * Gasket Set - FKM * Gasket Set - Neoprene * Gasket Set - Ethylene Propylene *	1	1	1
793660 793630	Suction Valve Repair Kit - PEEK Suction Valve Repair Kit - Stainless Steel *	2		2
793660 793650	Discharge Valve Repair Kit - PEEK Discharge Valve Repair Kit - Stainless Steel *	2		2
792284	Unloader Seal *	4		4
793610 793612	Piston Ring - Standard Piston Ring - Poly Filled *	6	6	6
793614	Piston Ring Expander	6	6	6
794498	Packing Set	6	6	6
794726	Oil Filter *	1		6
794727	Wrist Pin	2		2
794749	Wrist Pin Bushing	2	2	2
794710	Conrod Bearing	2	2	2
The following parts would normally be required only for major compressor overhaul.				
794730	Inboard Bearing Cone	1		1
794731	Inboard Bearing Cup	1		1
794130	Outboard Bearing Cone	1		1
794131	Outboard Bearing Cup	1		1
794435	Crosshead Assembly	2		2
794728	Conrod Assembly	2		
794760	Oil Pump Repair Kit	1		
794708	Crankshaft Assembly	1		
794733	Bearing Adjustment Shim Kit	1		
794103 792831 794503 792876	Cylinder (HD603B) TNT-12 Treated Cyl. (HD603B) * Cylinder (HDL603B) TNT-12 Treated Cyl. (HDL603B) *	1 1		

* Optional Equipment on New Compressors

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