

HDL323C PARTS LIST

Keep with IOM CB9A-021

Serial # _____

ID# _____

Gasket Sets and Special Tools

Gasket Sets

Buna-N & Iron	793781
PTFE & Iron	793782
FKM & Iron	793783
Neoprene & Iron	793784
Ethylene Propylene & Iron	793785

Packing Installation Tool 790536

Spanner Wrench, 1/4" Adjustable 790316

Wrench for Valve Holdown Screw 790535

Tool Kit 790199

Bulletins Needed For Complete HDL323C Parts List

This page 9E-440

Crankcase 9F-021

Oil Pump 9G-011

Flywheel 9H-020

Crosshead 9J-061

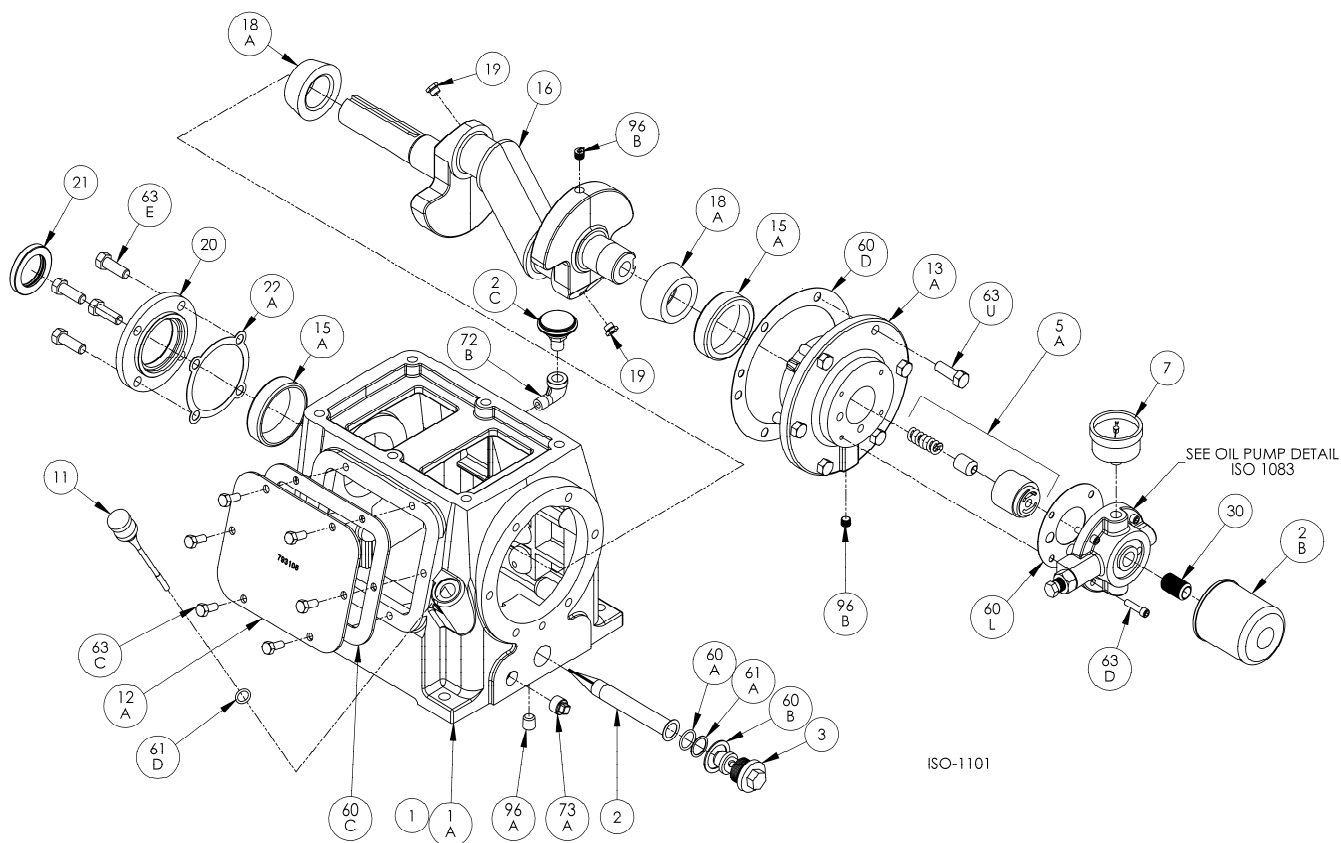
Packing 9K-020

Cylinder 9L-260

Head 9M-19 0

Head with
Unloaders 9M-200

Notes:



Crankcase Assembly:

Models HDL342B, HDL343B, HDL342C, HDL343C, HDL322C, HDL323C

HDL362B, HDL363B, HDL362C, HDL363C

HD361B, HD361C, HD362B, HD362C, HD363B, HD363C, HDS362C,

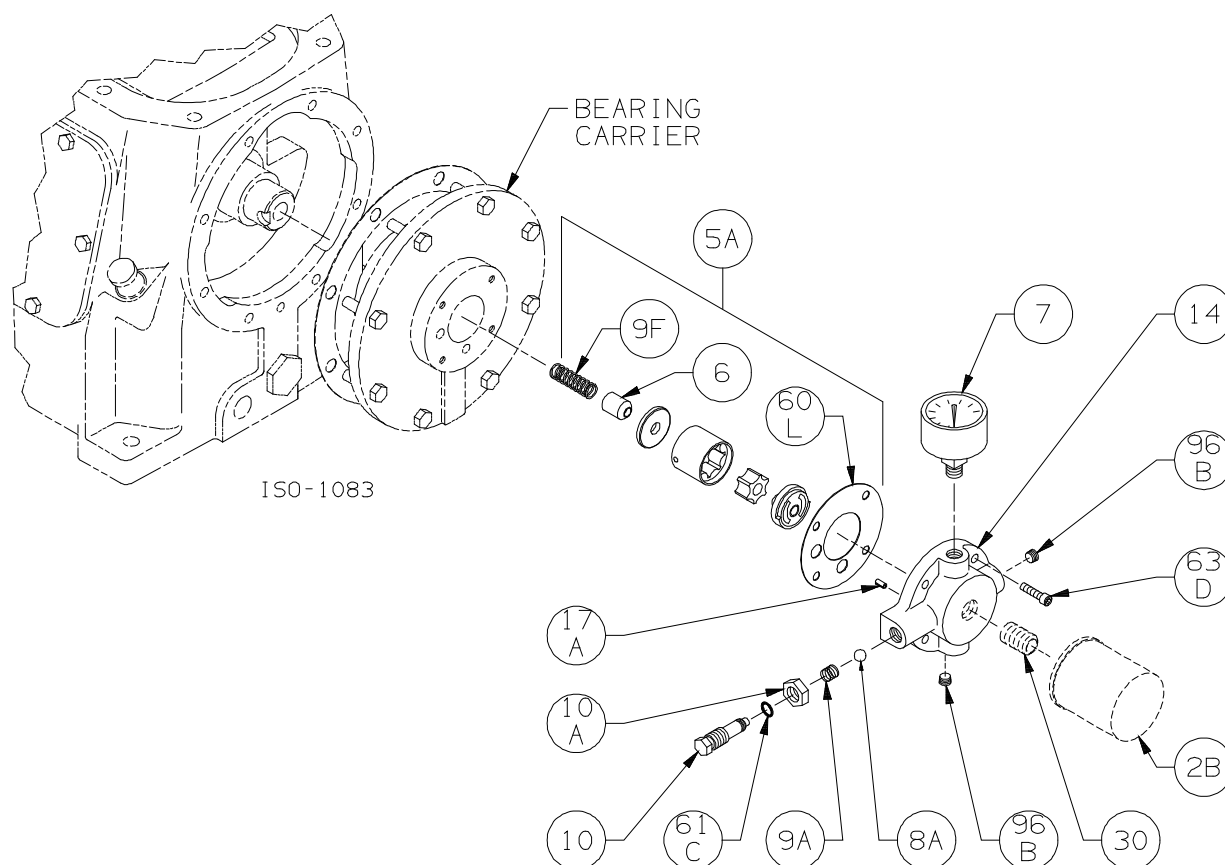
HD372B, HD372C, HD373B, HD373C, HDL372B, HDL372C, HDL373B, HDL373C, HDS372C

ISO1101

Ref	Description	Qty	Part No
1	Crankcase Assembly - Oil Filter	1	793100
	Crankcase Assembly - no Oil Filter		793103
	Crankcase Assy - Ext Shaft & Oil Filter		793171
	Crankcase Assy - Ext Shaft, no Oil Filter		793155
1A	Crankcase	1	793102
2	Oil Intake Screen	1	792135
2B	Oil Filter	1	794726
2C	Breather Filter	1	792070
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	793105
13A	Bearing Carrier	1	793104
15A	Bearing Cup	2	793126
16	Crankshaft Assembly (w/ 18A,19,96B)	1	793157
	Crankshaft Assembly-Ext (w/ 18A,19,96B)		793191
18A	Bearing Cone	2	793142
19	Orifice	2	792146

Ref	Description	Qty	Part No
20	Bearing Cover Plate	1	793106
21	Oil Seal	1	793143
22A	Bearing Adjustment Shim Kit	1	793133
30	Oil Filter Fitting	1	794725
60A	Gasket - Oil Screen *	1	792136
60B	Gasket - Oil Screen Plug *	1	792123
60C	Gasket - Inspection Plate *	1	793122
60D	Gasket - Bearing Carrier Assembly*	1	793124
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	792093
63U	Capscrew - Hex Hd	6	792093
72B	Elbow	1	790453
73A	Pipe Plug	1	792166
96A	Pipe Plug	1	790488
96B	Pipe Plug	2	790309

* Included in Gasket Sets



Oil Pump Detail for Models:

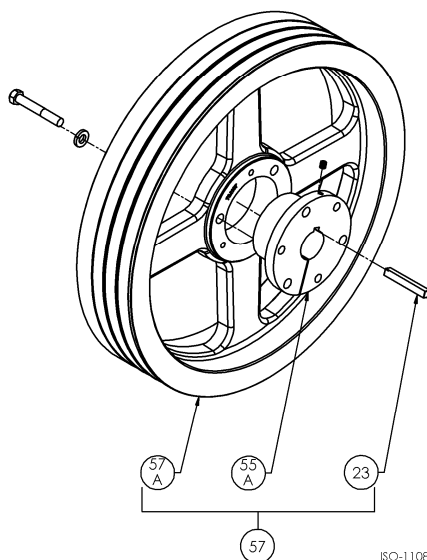
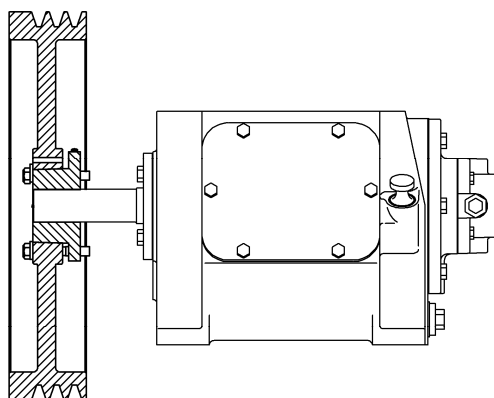
HD082C, HD161C|B, HD162C|B, HD163C, HDS162C
 HD172C|B, HD173C, HDL172C, HDL173C, HDS172C,
 HDL342C|B, HDL343C|B, HDL322C, HDL323C
 HD361C|B, HD362C|B, HD363|B, HDS362C, HDL362C|B, HDL363C|B,
 HD372C|B, HDL372C|B, HD373C, HDL373C|B, HDS372C
 HD601B, HD602C|B, HD603C|B, HDL602C|B, HDL603C|B, HDS602C, HDL642C|B, HDL643C|B,
 HD612C|B, HDL612C|B, HD613C|B, HDL613C|B, HDS612C|B
 HD942B|A, HDL942B|A, HDS942B, HD943B, HDL943B

ISO1083

Ref	Description	Qty	Part No
2B	Oil Filter	1	794726
5A	Oil Pump Kit (with 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	1	794764
	Oil Pump Cover Assembly (both include 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 - Socket Head	4	790559
96B	Pipe Plug	2	790309

* Included in Gasket Sets



MODELS:

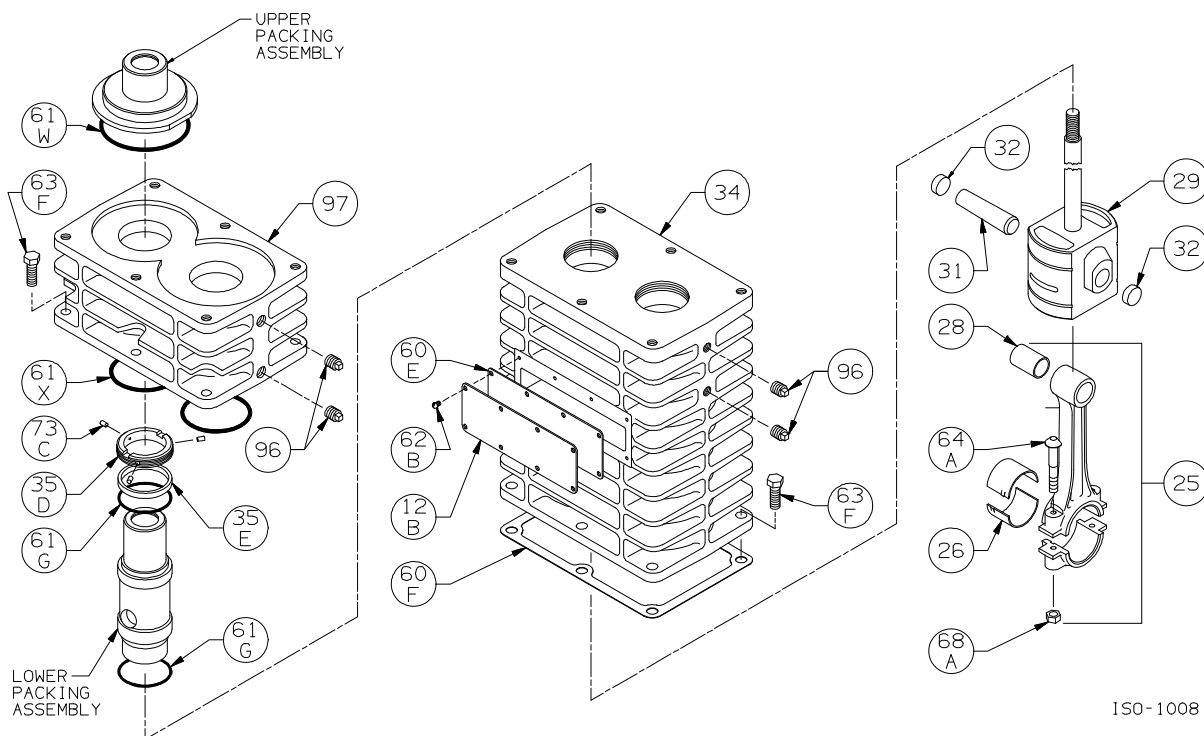
HD361C, HD361B
HD362C, HD362B
HD363C, HD363B
HD372C, HD372B
HD373C, HD373B

HDS362C
HDS372C

HDL322C, HDL323C
HDL342C, HDL342B
HDL343C, HDL343B
HDL362C, HDL362B
HDL363C, HDL363B
HDL372C, HDL372B
HDL373C, HDL373B

Ref	Description	Qty	Part No
23	Key	1	793167
55A	Hub	1	790143
57	Flywheel Assembly	1	793047
57A	Flywheel	1	792197

Note: Earlier HD372C, HD372, HD373C and HD373B air-cooled compressors had a fan fitted to the flywheel.



ISO-1008

Crosshead Assembly: HDL322C, HDL343C, HD363C, HDL363C

ISO1008

Ref	Description	Qty	Part No
12B	Inspection Plate	1	793093
25	Connecting Rod Assembly	2	793309
26	Connecting Rod Bearing	2	793002
28	Wrist Pin Bearing	2	793305
29	Crosshead Assembly	2	793303
31	Wrist Pin	2	793307
32	Wrist Pin Plug	4	793308
34	Crosshead Guide	1	793455
35D	Hold-down Ring	2	793220
35E	Spacer Ring	2	793402
60E	Gasket - Inspection Plate *	1	793092
60F	Gasket - Crankcase *	1	793121
61G	O-Ring (Buna-N) Std *	4	792125
	O-Ring (FKM) *		793213
	O-Ring (PTFE) *		793211
	O-Ring (Neoprene) *		793215
	O-Ring (Ethylene Propylene) *		793207

Ref	Description	Qty	Part No
61X	O-Ring (Buna-N) Std *	2	794082
	O-Ring (FKM) *		794213
	O-Ring (PTFE) *		794165
	O-Ring (Neoprene) *		794090
	O-Ring (Ethylene Propylene) *		794206
62B	Machine Screw - Inspection Plate	8	793096
63F	Capscrew - Hex Hd	12	793094
64A	Connecting Rod Bolt	4	793006
68A	Connecting Rod Bolt Nut	4	793007
73C	Lock Plug *	6	792030
96	Pipe Plug	8	793498
97	Distance Piece	1	793410

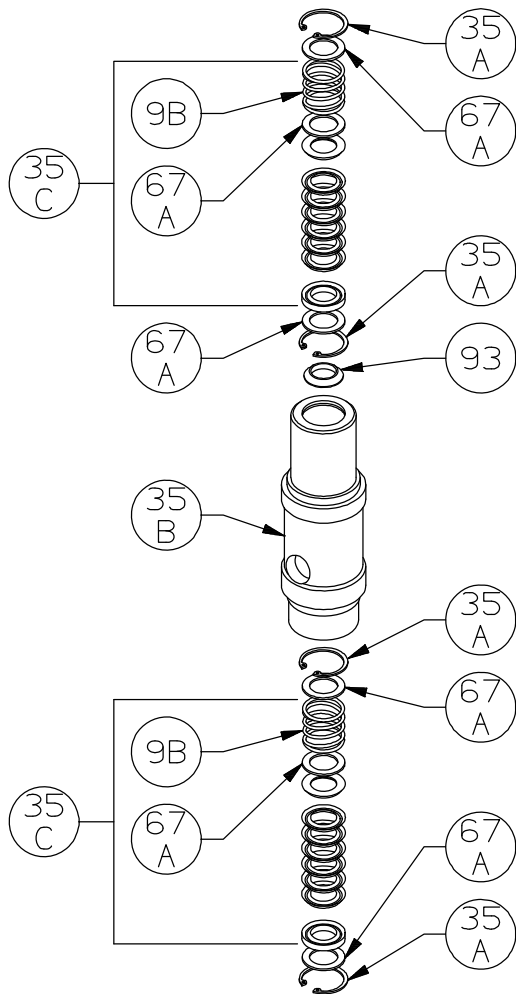
*Included in Gasket Sets

HD363C & HDL363C only

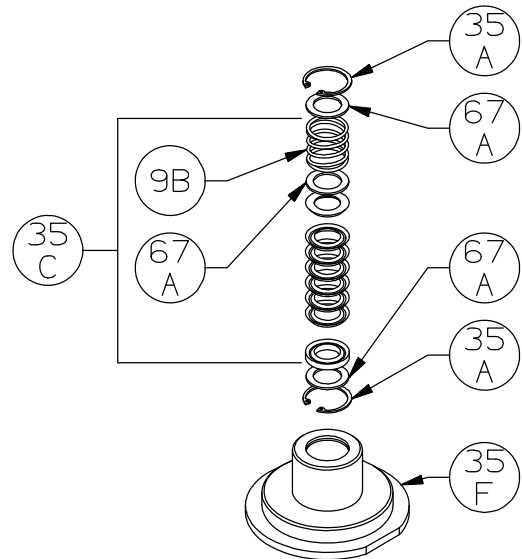
61W	O-Ring (Buna-N) Std *	2	794426
	O-Ring (FKM) *		794425
	O-Ring (PTFE) *		794427
	O-Ring (Neoprene) *		794424
	O-Ring (Ethylene Propylene) *		794428

HDL323C, HDL343C only

61W	O-Ring (Buna-N) Std *	2	794082
	O-Ring (FKM) *		794213
	O-Ring (PTFE) *		794165
	O-Ring (Neoprene) *		794090
	O-Ring (Ethylene Propylene) *		794206



LOWER PACKING
ASSEMBLY



UPPER PACKING
ASSEMBLY

ISO-1009

Packing Assembly: HD363A, HD363B, HD363C, HDL363C

ISO1009

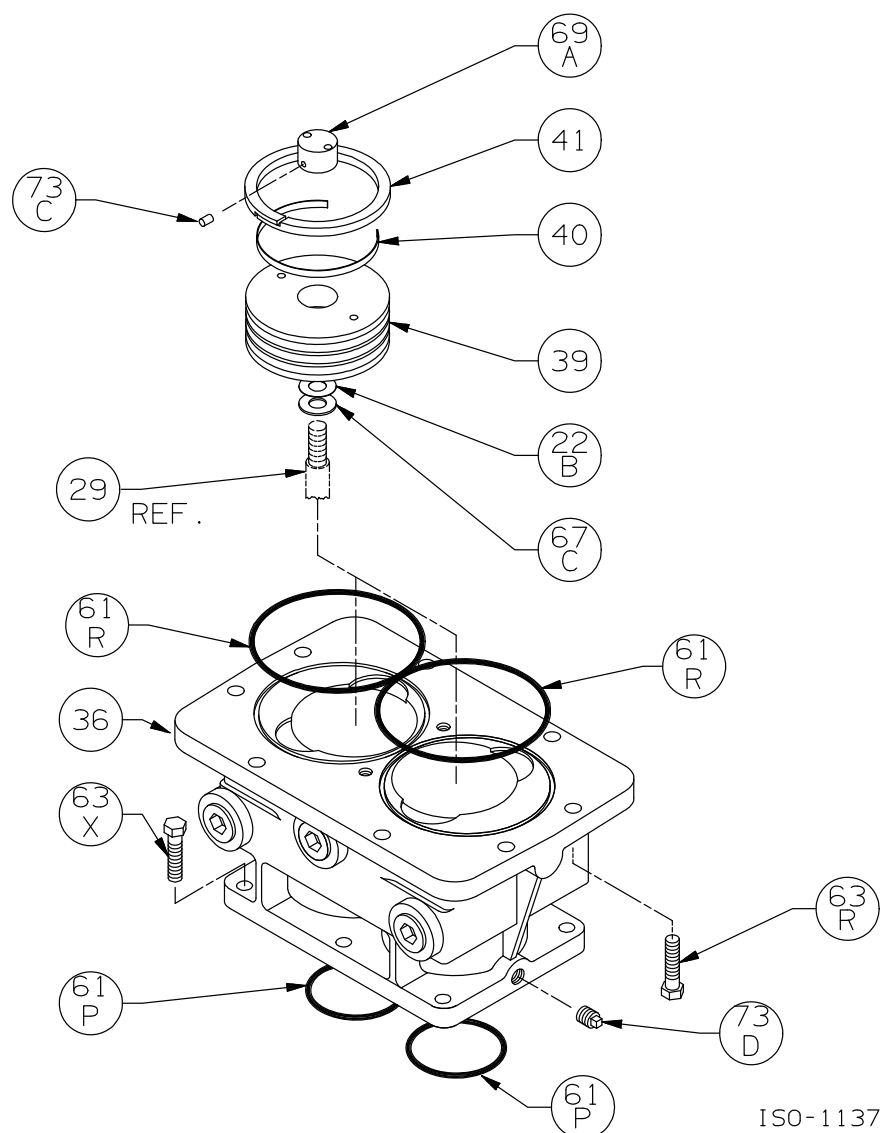
Ref	Description	Qty	Part No
9B	Packing Spring	6	792077
35A	Retainer Ring	12	793404
35B	Packing Box - Lower Packing Box - Lower (vented)	2	793502 793443
35C	Packing Set	6	793510

Ref	Description	Qty	Part No
35F	Packing Box - Upper Packing Box - Upper TNT-12	2	793411 792828
67A	Washer - Packing Box	18	792087
93	Oil Deflector Ring	2	793478

Packing Assembly: HDL323C, HDL343C, HDL343B

9B	Packing Spring	6	792077
35A	Retainer Ring	12	793404
35B	Packing Box - Lower (std) Packing Box - Lower (vented)	2	793502 793443
35C	Packing Set	6	793510

35F	Packing Box - Upper Packing Box - Upper TNT-12	2	793413 792830
67A	Washer - Packing Box	18	792087
93	Oil Deflector Ring	2	793478

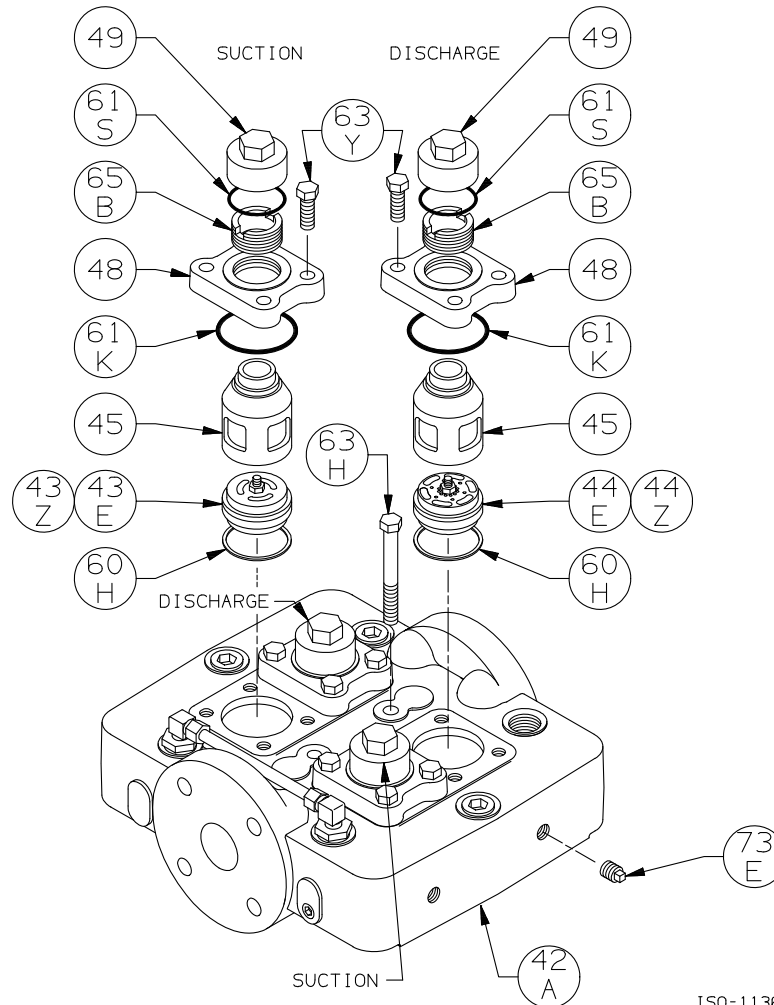


Cylinder Assembly: Models HDL322C, HDL323C

ISO1137

Ref	Description	Qty	Part No	Ref	Description	Qty	Part No
22B	Piston Shim - 0.015	AR	792034	61R	O-Ring (Buna N) Std *	2	793641
	Piston Shim - 0.007	AR	792050		O-Ring (FKM) *		793643
36	Cylinder	1	793770		O-Ring (PTFE) *		793642
39	Piston	2	793786		O-Ring (Neoprene) *		793644
40	Expander	6	793788		O-Ring (Ethylene Propylene) *		793645
41	Piston Ring - Poly Filled	6	793787	63R	Capscrew - Hex Hd	8	794097
61P	O-Ring (Buna N) Std *	2	794082	63X	Capscrew - Hex Hd	6	794096
	O-Ring (FKM) *		794213	67C	Thrust Washer	2	792033
	O-Ring (PTFE) *		794165	69A	Piston Nut	2	792459
	O-Ring (Neoprene) *		794090		Piston Nut TNT-12		792881
	O-Ring (Ethylene Propylene) *		794206	73C	Lock Plug *	4	793028
				73D	Pipe Plug	1	793498

* Included in Gasket Sets



Head Assembly:

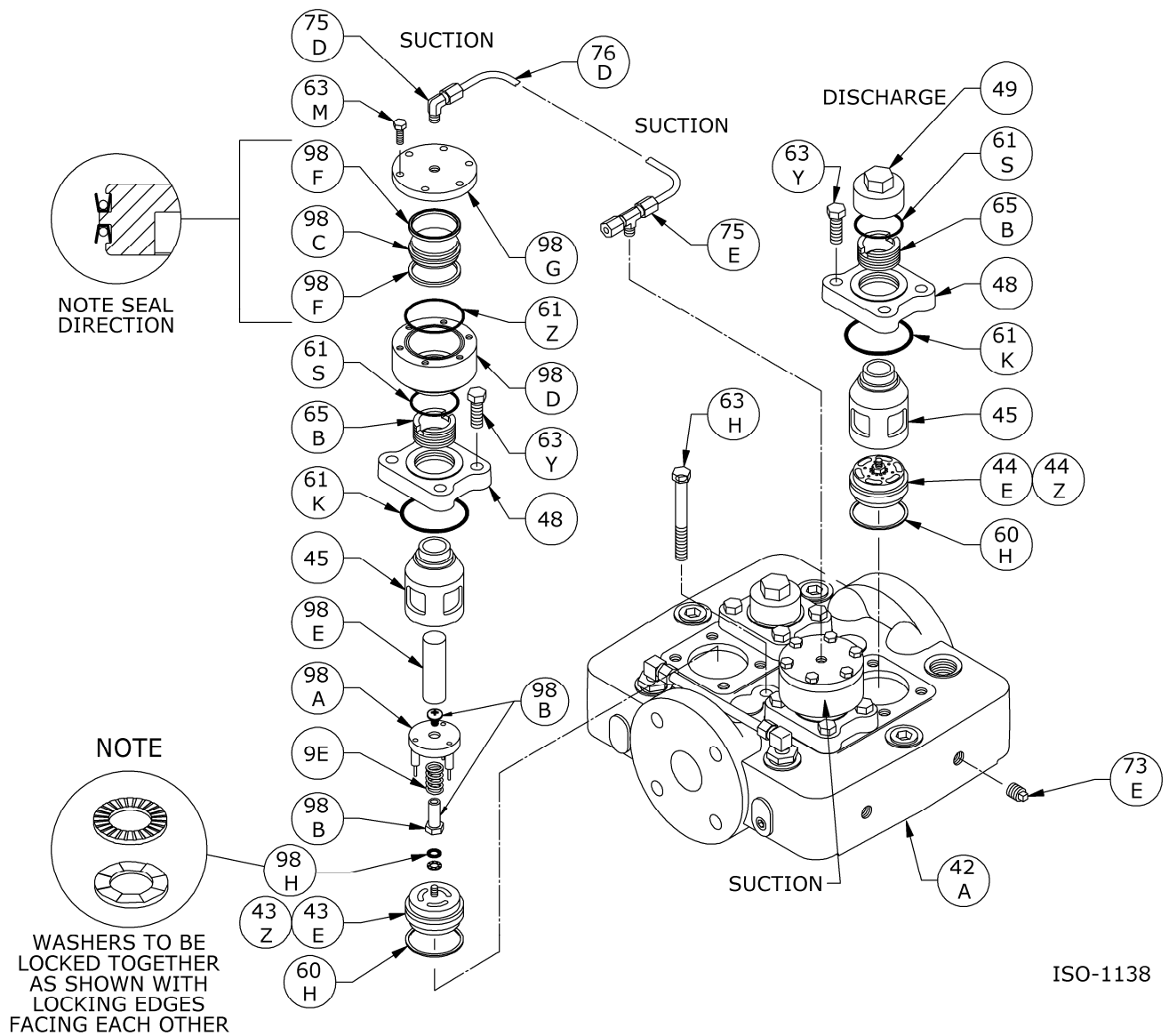
ISO1136

Models HDL342B, HDL343B, HDL342C, HDL343C, HDL322C, HDL323C

Ref	Description	Qty	Part No
42A	Head Head TNT-12	1	793750 792887
43E	Suction Valve Assy, Stainless Steel ID:SB Suction Valve Assembly, PEEK ID:PB Suction Valve Assembly, TNT-12 ID:PE	2	793753 793459 792870
43Z	Valve Repair Kit for 793753 Valve Repair Kit for 793459, 792870		793757 793460
44E	Discharge Valve Assy, Stainless Steel ID:SB Discharge Valve Assembly, PEEK ID:PB Discharge Valve Assembly, TNT-12 ID:PE	2	793754 793479 792871
44Z	Valve Repair Kit for 793754 Valve Repair Kit for 793479, 792871		793758 793460
45	Cage Cage TNT-12	4	793420 792818
48	Valve Cover Plate Valve Cover Plate TNT-12	4	793284 792816
49	Valve Cap Valve Cap TNT-12	4	792003 792804

Ref	Description	Qty	Part No
60H	Gasket - Valve *	4	793202
61K	O-Ring (Buna-N) Std * O-Ring (FKM) * O-Ring (PTFE) * O-Ring (Neoprene) * O-Ring (Ethylene Propylene) *	4	793114 793214 793208 793110 793205
61S	O-Ring (Buna-N) Std * O-Ring (FKM) * O-Ring (PTFE) * O-Ring (Neoprene) * O-Ring (Ethylene Propylene) *	4	792306 792308 792307 792309 792310
63H	Capscrew - Hex Hd	2	793115
63Y	Capscrew - Hex Hd	16	793094
65B	Valve Holddown Screw Valve Holddown Screw TNT-12	4	792002 792806
73E	Pipe Plug	2	793498

* Included in Gasket Sets



Head Assembly with Unloaders

Models HDL342B, HDL343B, HDL342C, HDL343C, HDL322C, HDL323C

over....

Head Assembly with Unloaders

ISO1038

Models HDL342B, HDL343B, HDL342C, HDL343C

Ref	Description	Qty	Part No
9E	Unloader Spring	2	793293
42A	Head Head TNT-12	1	793750 792887
43E	Suction Valve Assy, Stainless Steel ID:SC Suction Valve Assembly, PEEK ID:PC Suction Valve Assembly, TNT-12 ID:PF	2	793753 793459 792870
43Z	Valve Repair Kit for 793753 Valve Repair Kit for 793459, 792870		793757 793460
44E	Disch Valve Assy, Stainless Steel ID:SC Discharge Valve Assembly, PEEK ID:PC Discharge Valve Assembly, TNT-12 ID:PF	2	793754 793479 792871
44Z	Valve Repair Kit for 793754 Valve Repair Kit for 793479, 792871		793758 793460
45	Cage Cage TNT-12	4	793420 792818
48	Valve Cover Plate Valve Cover Plate TNT-12	4	793284 792816
49	Valve Cap Valve Cap TNT-12	2	792003 792804
60H	Gasket - Valve *	4	793202
61K	O-Ring (Buna-N) Std * O-Ring (FKM) * O-Ring (PTFE) * O-Ring (Neoprene) * O-Ring (Ethylene Propylene) *	4	793114 793214 793208 793110 793205
61S	O-Ring (Buna-N) Std * O-Ring (FKM) * O-Ring (PTFE) * O-Ring (Neoprene) * O-Ring (Ethylene Propylene) *	4	792306 792308 792307 792309 792310

Ref	Description	Qty	Part No
61Z	O-Ring (Buna-N) Std * O-Ring (FKM) * O-Ring (PTFE) * O-Ring (Neoprene) * O-Ring (Ethylene Propylene) *	2	792311 792313 792312 792314 792320
63H	Capscrew - Hex Hd	2	793115
63M	Capscrew - Hex Hd	12	790053
63Y	Capscrew - Hex Hd	16	793094
65B	Valve Holddown Screw Valve Holddown Screw TNT-12	4	792002 792806
73E	Pipe Plug	2	793498
75D	Tube Elbow	1	790355
75E	Tube Tee	1	790356
76D	Tube	1	790192
98A	Actuator Assembly Actuator Assembly, for SS Valve	2	793296 793756
98B	Unloader Post w/bolt ¹ Unl. Post w/bolt ¹ , for SS Valve	2	793291 794291
98C	Unloader Piston	2	793288
98D	Unloader Body	2	793286
98E	Unloader Plunger	2	793290
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 HDL323C Compressors:

Part #	Description	Qty./ Unit	Comm. Qty.	Spare Qty.
793781	Gasket Set - Buna-N	1	1	1
793782	Gasket Set - PTFE *			
793783	Gasket Set - FKM *			
793784	Gasket Set - Neoprene *			
793785	Gasket Set - Ethylene Propylene *			
793757	Suction Valve Repair Kit – Stainless Steel ID: SB, SC	2		2
793460	Suction Valve Repair Kit – Peek ID: PB, PC			
793460	Suction Valve Repair Kit – TNT-12 ID: PE, PF			
793758	Discharge Valve Repair Kit – Stainless Steel ID: SB, SC	2		2
793460	Discharge Valve Repair Kit – Peek ID: PB, PC			
793460	Discharge Valve Repair Kit – TNT-12 ID: PE, PF			
792284	Unloader Seal *	4		4
793787	Piston Ring - Poly Filled	6	6	6
793788	Piston Ring Expander	6	6	6
793510	Packing Set	6	6	6
794726	Oil Filter	1		6
793307	Wrist Pin	2		2
793305	Wrist Pin Bearing	2	2	2
793002	Conrod Bearing	2	2	2
The following parts would normally be required only for major compressor overhaul.				
793142	Inboard Bearing Cone	2		2
793126	Inboard Bearing Cup	2		2
793303	Crosshead Assembly	2		1
793309	Conrod Assembly	2		1
794760	Oil Pump Repair Kit	1		
793157	Crankshaft Assembly	1		
793191	Extended Crankshaft Assembly *			
793133	Bearing Adjustment Shim Kit	1		
793770	Cylinder	1		
	Cylinder, TNT-12 PTFE/Nickel Treated *			

* Optional Equipment on New Compressors