



HD163C PARTS LIST

(See Instructions 901-B00 for Operation and Maintenance)

Serial # _____

ID# _____

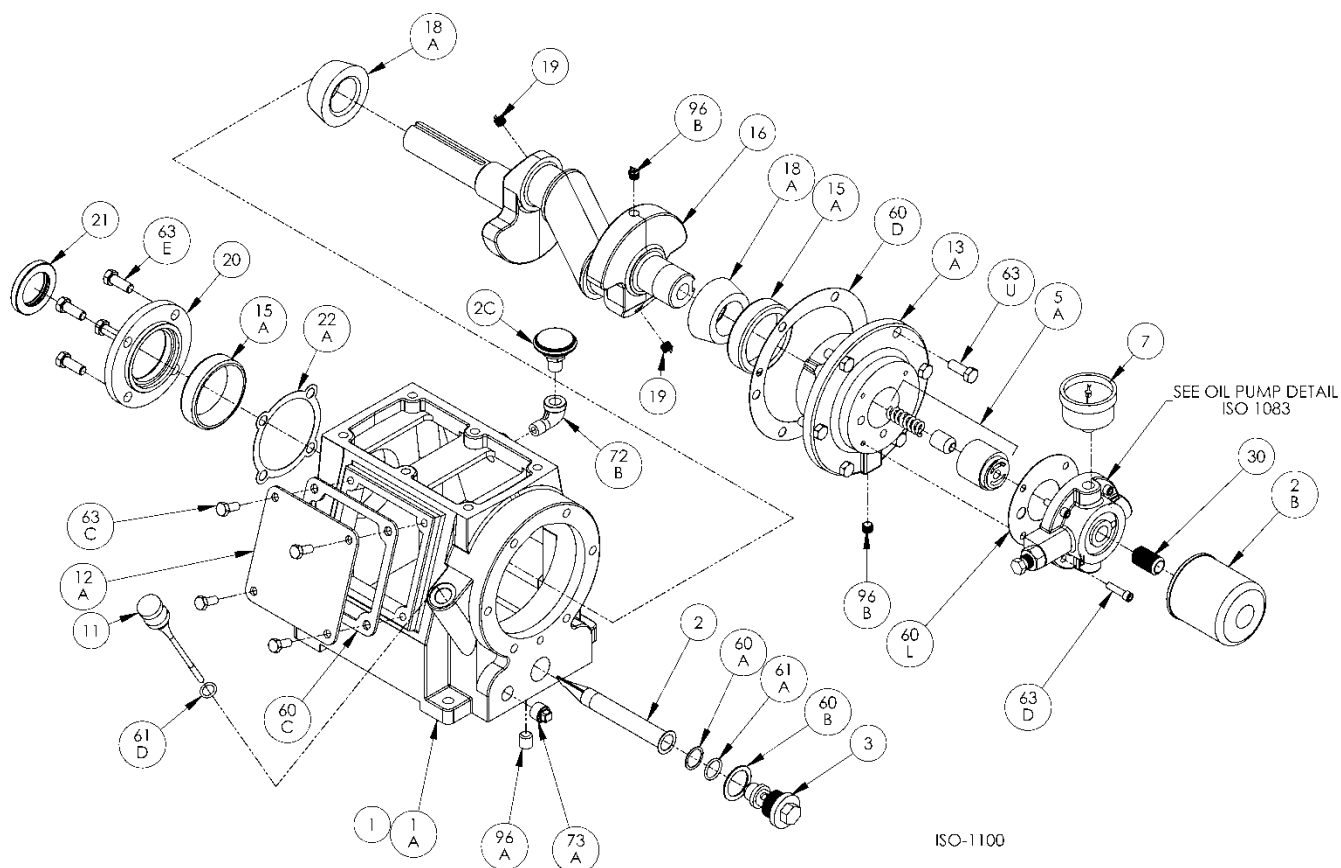
Gasket Sets and Special Tools

Gasket Set	Buna-N & Iron	792499
	PTFE & Iron	792498
	FKM & Iron	792497
	Neoprene & Iron	792496
	Ethylene Propylene & Iron	792495
Packing Installation Tool		790536
Spanner Wrench, 1/4" Adjustable		790316
Wrench for Valve Holdown Screw		790535
Piston Torque Tool		798002

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Notes:



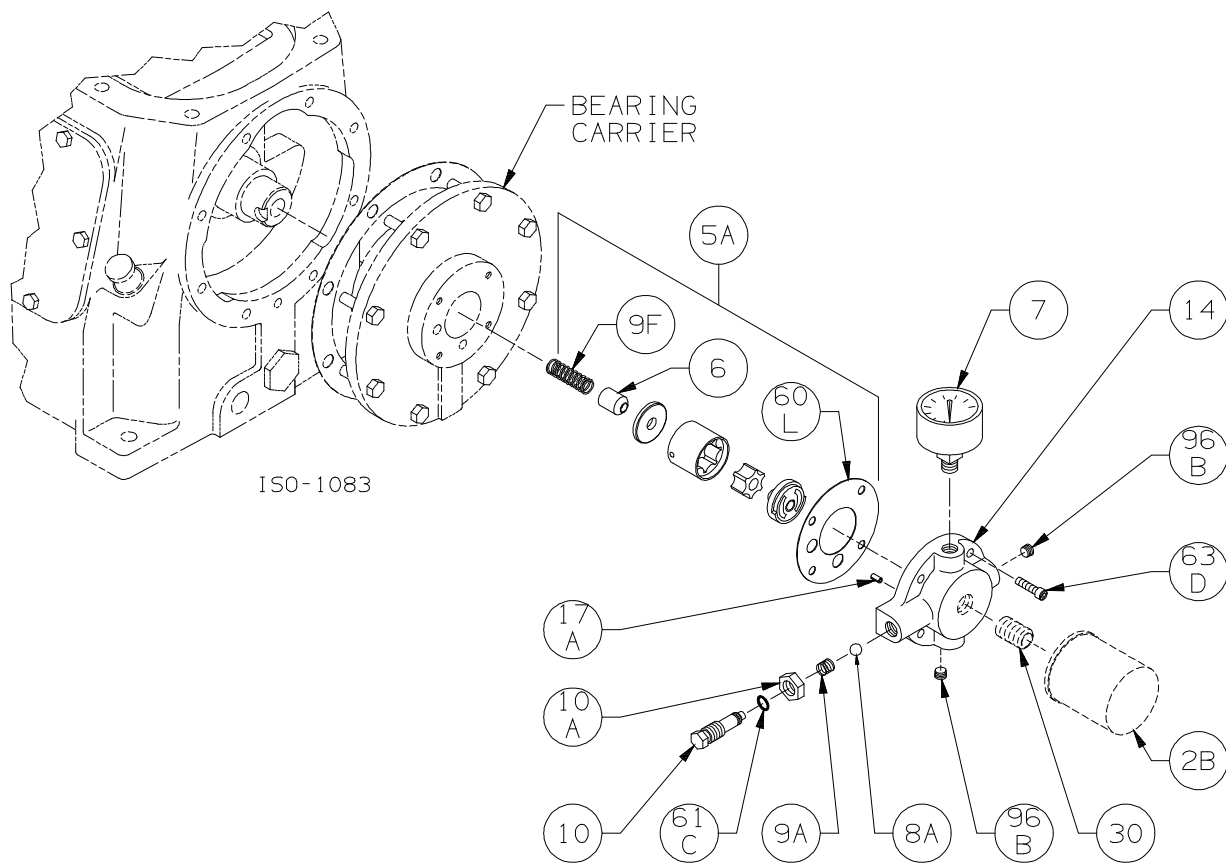
Crankcase Assembly: Models HD161B, HD161C, HD162B, HD162C, HD163B, HD163C, HDS162C
HD172B, HD172C, HD173B, HD173C, HDL172C, HDL173C, HDS172C

ISO1100

Ref	Description	Qty	Part No
1	Crankcase Assembly – with Oil Filter	1	792100
	Crankcase Assembly – no Oil Filter		792103
	Crankcase Assembly – with Ext Shaft		792155
	Crankcase Assy - with Ext Shaft & Oil Filter		792171
1A	Crankcase	1	792102
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	792105
13A	Bearing Carrier	1	792104
15A	Bearing Cup	2	793126
16	Crankshaft Assembly (w\ 18A,19,96B)	1	792157
	Crankshaft Assembly-Ext (w\ 18A,19,96B)		792191
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	792122
60D	Gasket - Bearing Carrier Assembly*	1	792124
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	4	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:

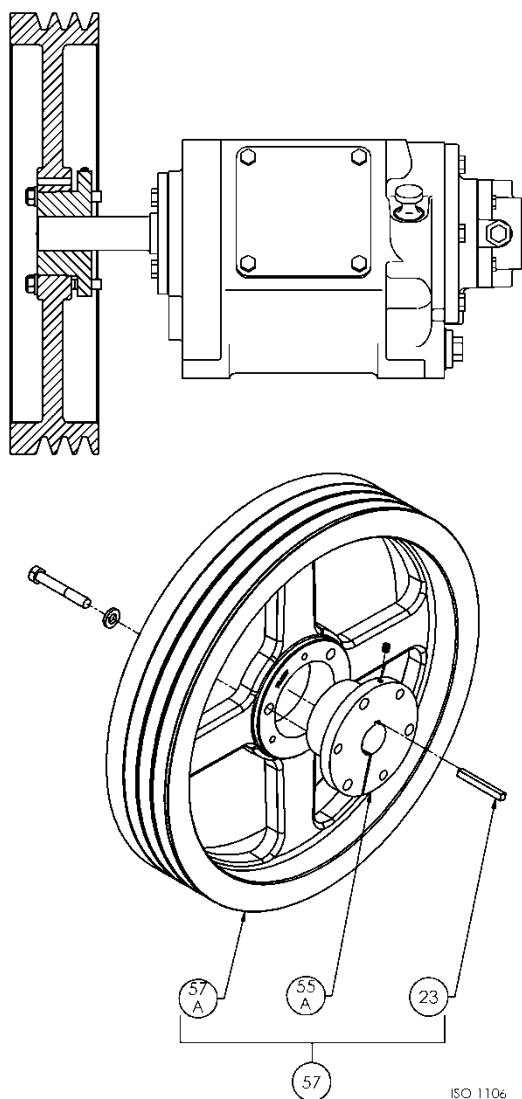
HD082C, HD161C|B, HD162C|B, HD163C, HDS162C
 HD172C|B, HD173C, HDL172C, HDL173C, HDS172C,
 HDL342C|B, HDL343C|B, HDL322C, HDL323C
 HD361C|B, HD362C|B, HD363|B, HDS362C, HDL362C|B, HDL363C|B,
 HD372C|B, HDL372C|B, HD373C, HDL373C|B, HDS372C
 HD601B, HD602C|B, HD603C|B, HDL602C|B, HDL603C|B, HDS602C, HDL642C|B, 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		794764
	Oil Pump Cover Assembly (both include 17A, 96B)	1	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:

HD082C

HD161C, HD161B

HD162C, HD162B

HD163C, HD163B

HD172C, HD172B

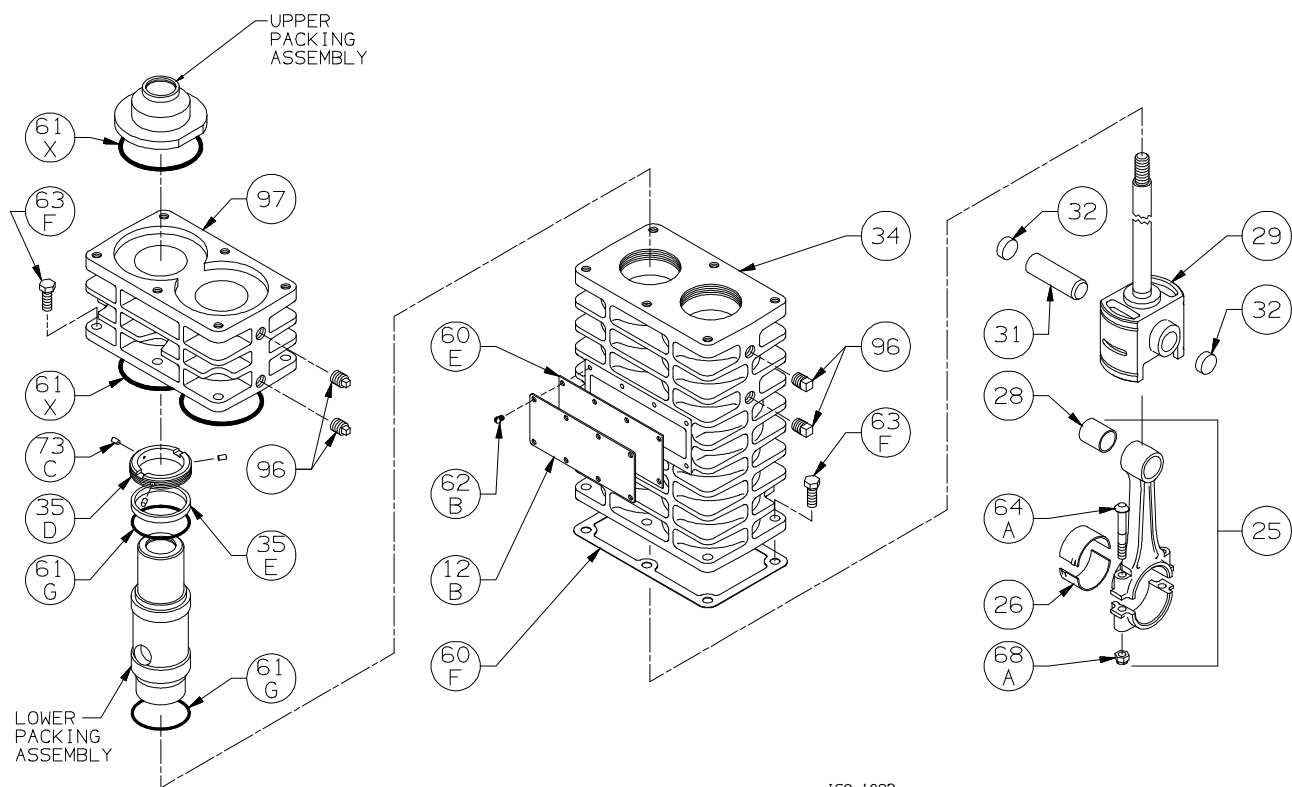
HD173C, HD173B

HDL172C, HDL173C

HDS172C

Ref	Description	Qty	Part No
23	Key	1	792167
55A	Hub (SF 1.25")	1	790563
57	Flywheel Assembly	1	792073
57A	Flywheel	1	792197

Note: Earlier HD172C, HD172B, HD173C and HD173B air-cooled compressors had a fan fitted to the flywheel.



ISO-1092

Crosshead Assembly: HD163C, HD173C, HDL173C

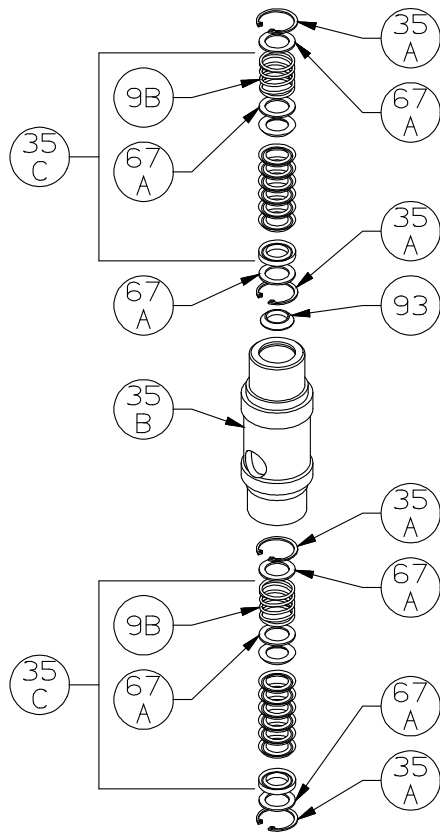
ISO1092

Ref	Description	Qty	Part No
12B	Inspection Plate	1	792017
25	Connecting Rod Assembly	2	792301
26	Connecting Rod Bearing	2	792012
28	Wrist Pin Bearing	2	792302
29	Crosshead Assembly	2	792406
31	Wrist Pin	2	792014
32	Wrist Pin Plug	4	792178
34	Crosshead Guide	1	792455
35D	Hold-down Ring	2	793220
35E	Spacer Ring	2	793402
60E	Gasket - Inspection Plate *	1	792092
60F	Gasket - Crankcase *	1	792121
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

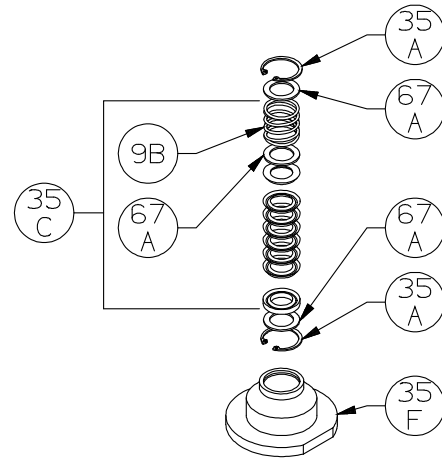
Ref	Description	Qty	Part No
61X	O-Ring (Buna-N) Std *	4	792112
	O-Ring (FKM) *		792213
	O-Ring (PTFE) *		792210
	O-Ring (Neoprene) *		792110
	O-Ring (Ethylene Propylene) *		792206
62B	Machine Screw - Inspection Plate	8	793096
63F	Capscrew - Hex Hd	12	792093
	Capscrew - Stainless Steel #		098392
64A	Connecting Rod Bolt	4	792006
68A	Connecting Rod Bolt Nut	4	792005
73C	Lock Plug *	6	792030
96	Pipe Plug	8	908198
97	Distance Piece	1	792402

*Included in Gasket Sets

Standard with TNT-12 Cylinder



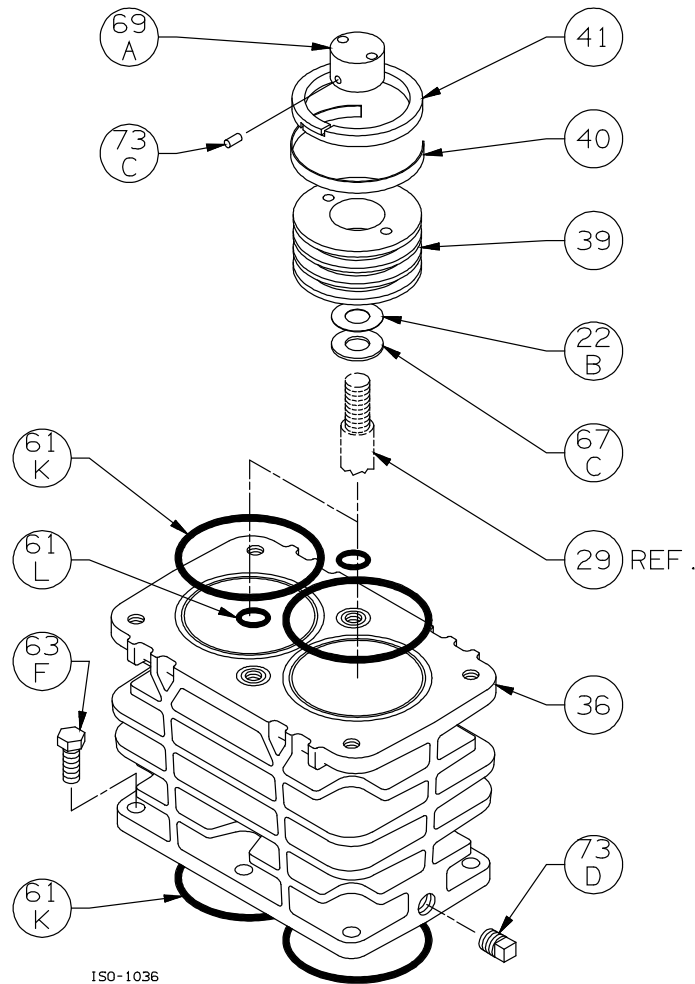
LOWER PACKING
ASSEMBLY



UPPER PACKING
ASSEMBLY

ISO-1091

Packing Assembly: HD163B, HD163C, HD173B, HD173C, HDL173C ISO1091			
Ref	Description	Qty	Part No
9B	Packing Spring	6	792077
35A	Retainer Ring	12	793404
35B	Packing Box - Lower	2	792502
35C	Packing Set	6	793510
35F	Packing Box - Upper	2	792404
	Packing Box - Upper TNT-12		792884
67A	Washer - Packing Box	18	792087
93	Oil Deflector Ring	2	793478



Cylinder Assembly:

Models HD161A, HD161B, HD161C, HD162B, HD162C, HD163B, HD163C

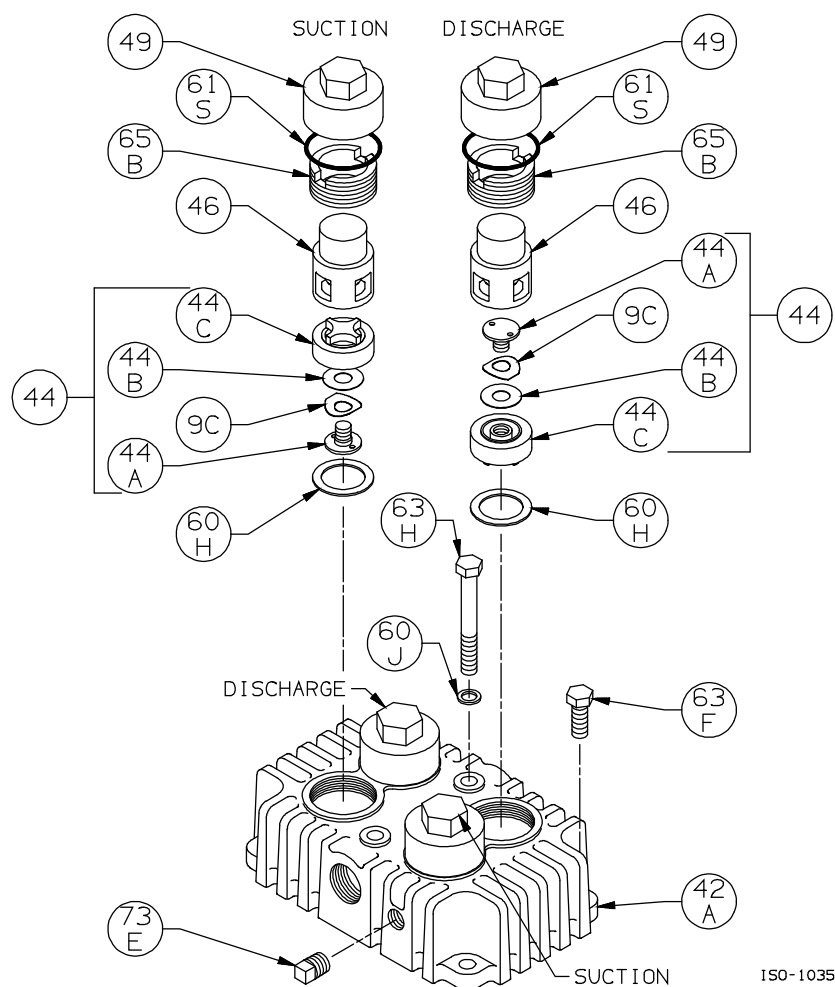
ISO1036

Ref	Description	Qty	Part No
22B	Piston Shim - 0.015	AR	792034
	Piston Shim - 0.007		792050
36	Cylinder	1	792101
	Cylinder TNT-12		792801
39	Piston	2	792431
	Piston TNT-12		792807
40	Expander	6	794615
41	Piston Ring – Glass/Moly Filled, Std	6	792420
	Piston Ring - Poly Filled		792421
61K	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
61L	O-Ring (Buna-N) Std *	2	792114
	O-Ring (FKM) *		792212
	O-Ring (PTFE) *		792211
	O-Ring (Neoprene) *		792118
	O-Ring (Ethylene Propylene) *		792207
63F	Capscrew - Hex Hd	6	792093
	Capscrew – Stainless Steel #		098392
67C	Thrust Washer	2	792033
69A	Piston Nut	2	793022
	Piston Nut TNT-12		792808
73C	Lock Plug *	4	793028
73D	Pipe Plug	1	908198

* Included in Gasket Sets

Standard with TNT-12 Cylinder



ISO-1035

Head Assembly:

Models HD161A, HD161B, HD161C, HD162A, HD162B, HD162C, HD163B, HD163C

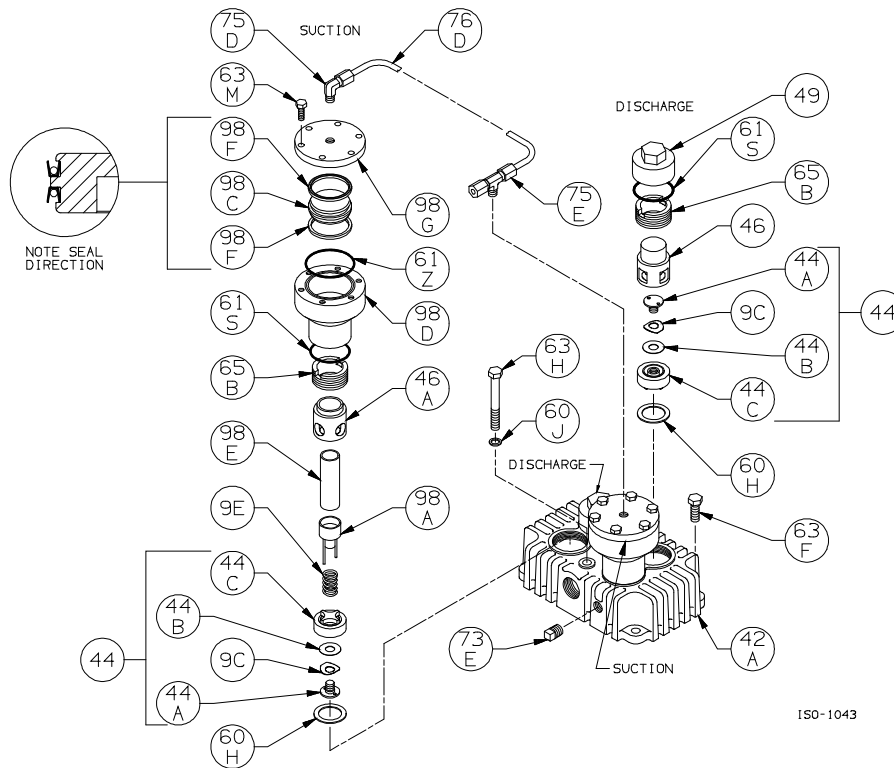
ISO1035

Ref	Description	Qty	Part No
9C	Valve Spring	4	792038
42A	Head Head TNT-12	1	792111 792800
44	Valve Assembly	4	792056
44A	Valve Bumper	4	792054
44B	Valve Disc	4	792037
44C	Valve Body	4	792055
46	Cage Cage TNT-12	4	792051 792803
49	Valve Cap Valve Cap TNT-12	4	792003 792804
60H	Gasket - Valve *	4	792201
60J	Gasket - Center Head Bolt *	2	792203

Ref	Description	Qty	Part No
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
63F	Capscrew - Hex Hd	4	792093
	Capscrew - Stainless Steel #		098392
63H	Capscrew - Hex Hd	2	792095
	Capscrew - Hex Hd TNT-12 #		792805
65B	Valve Holddown Screw	4	792002
	Valve Holddown Screw TNT-12		792806
73E	Pipe Plug	2	908198

* Included in Gasket Sets

Standard with TNT-12 Cylinder



Head Assembly with Unloaders:

Models HD161A, HD161B, HD161C, HD162A, HD162B, HD162C, HD163B, HD163C

ISO1043

Ref	Description	Qty	Part No
9C	Valve Spring	4	792038
9E	Unloader Spring	2	793293
42A	Head Head TNT-12	1	792111 792800
44	Valve Assembly	4	792056
44A	Valve Bumper	4	792054
44B	Valve Disc	4	792037
44C	Valve Body	4	792055
46	Cage Cage TNT-12	2	792051 792803
46A	Cage	2	792282
49	Valve Cap Valve Cap TNT-12	2	792003 792804
60H	Gasket - Valve *	4	792201
60J	Gasket - Center Head Bolt *	2	792203
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
63F	Capscrew - Hex Hd Capscrew - Stainless Steel #	4	792093 098392
63H	Capscrew - Hex Hd Capscrew - Hex Hd TNT-12 #	2	792095 792805
63M	Capscrew - Hex Hd	12	797093
65B	Valve Holddown Screw Valve Holddown Screw TNT-12	4	792002 792806
73E	Pipe Plug	2	908198
75D	Tube Elbow	1	790355
75E	Tube Tee	1	790356
76D	Tube	1	790192
98A	Actuator Assembly	2	792296
98C	Unloader Piston	2	793288
98D	Unloader Body	2	792286
98E	Unloader Plunger	2	793290
98F	Unloader Seal	4	792284
98G	Unloader Cap	2	793287

* Included in Gasket Sets

Standard with TNT-12 Cylinder

Suggested Spare Parts for HD163C Compressors:

Part #	Description	Qty./ Unit	Comm. Qty.	Spare Qty.
792499	Gasket Set - Buna-N	1	1	1
792498	Gasket Set - PTFE *			
792497	Gasket Set - FKM *			
792496	Gasket Set - Neoprene *			
792495	Gasket Set - Ethylene Propylene *			
792056	Suction Valve	2		2
792056	Discharge Valve	2		2
792284	Unloader Seal *	4		4
792420	Piston Ring - Glass/Moly Filled	6	6	6
792421	Piston Ring - Poly Filled *			
794615	Piston Ring Expander	6	6	6
793510	Packing Set	6	6	6
794726	Oil Filter	1		6
792014	Wrist Pin	2		2
792302	Wrist Pin Bearing	2	2	2
792012	Conrod Bearing	2	2	2
The following parts would normally be required only for major compressor overhaul.				
793142	Bearing Cone	2		2
793126	Bearing Cup	2		2
792406	Crosshead Assembly	2		1
792301	Conrod Assembly	2		1
794760	Oil Pump Repair Kit	1		
792157	Crankshaft Assembly	1		
792191	Extended Crankshaft Assembly *			
793133	Bearing Adjustment Shim Kit	1		
792101	Cylinder	1		
792801	Cylinder, TNT-12 PTFE / Nickel Treated *			

* Optional Equipment on New Compressors

Notes:

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Notes: