PARTS MANUAL
D15-991-2402A

Hydra-Cell®
INDUSTRIAL PUMPS

IMPORTANT

Record your pump model number and serial number here for easy reference:

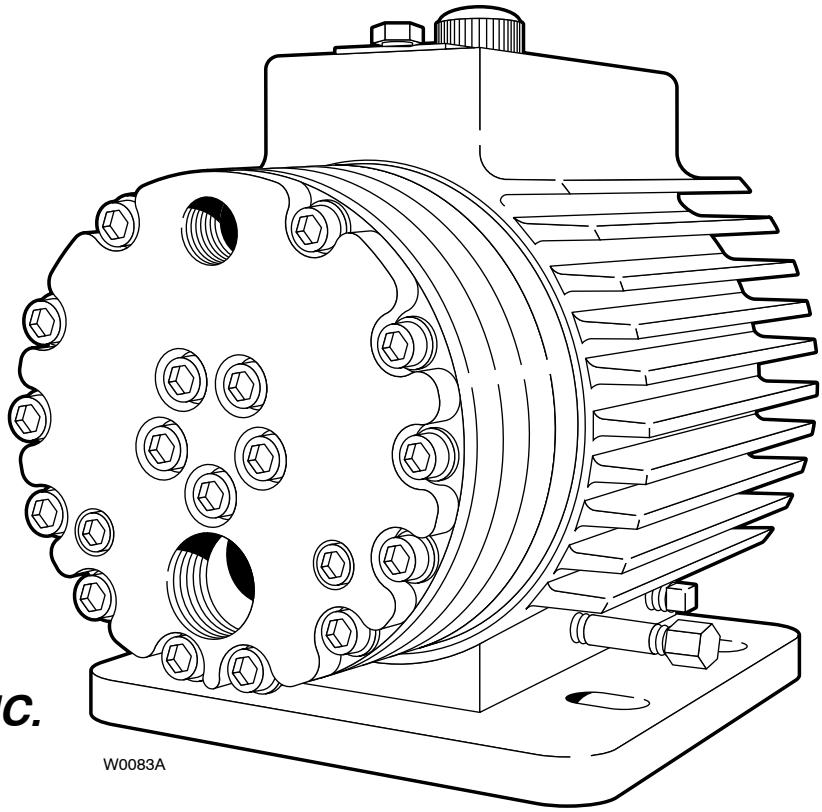
Model No. _____

Serial No. _____

Date of Purchase _____

When ordering parts or making inquiries about this pump, please mention the model and serial numbers.

MODEL: D-15



W0083A

WANNER ENGINEERING, INC.

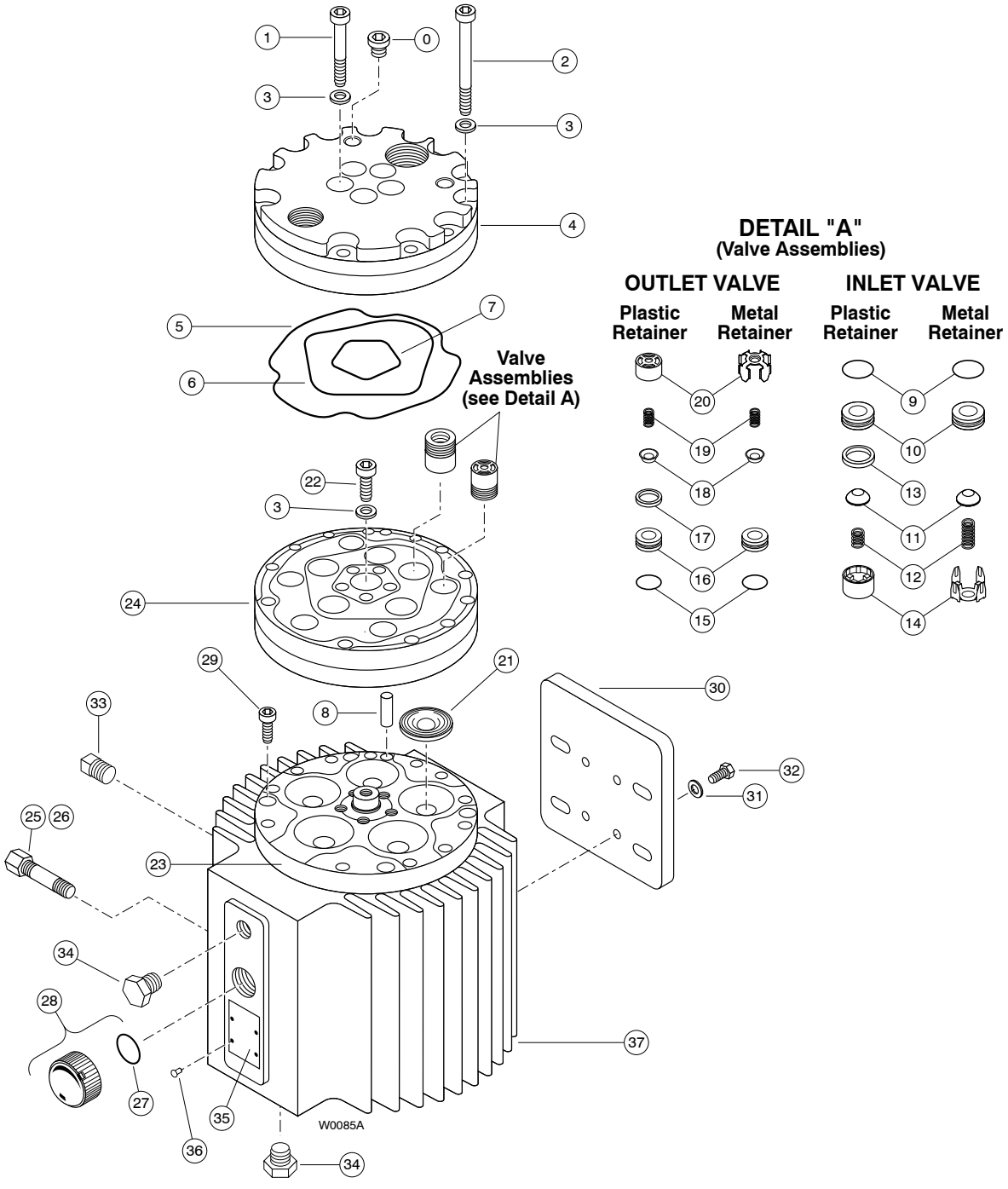
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email: sales@wannereng.com

D-15 Fluid End

Bolt Torque Specifications

Ref. #	Assembly Torque
1	45 ft-lbs
2	45 ft-lbs
22	45 ft-lbs
29	15 ft-lbs
32	45 ft-lbs



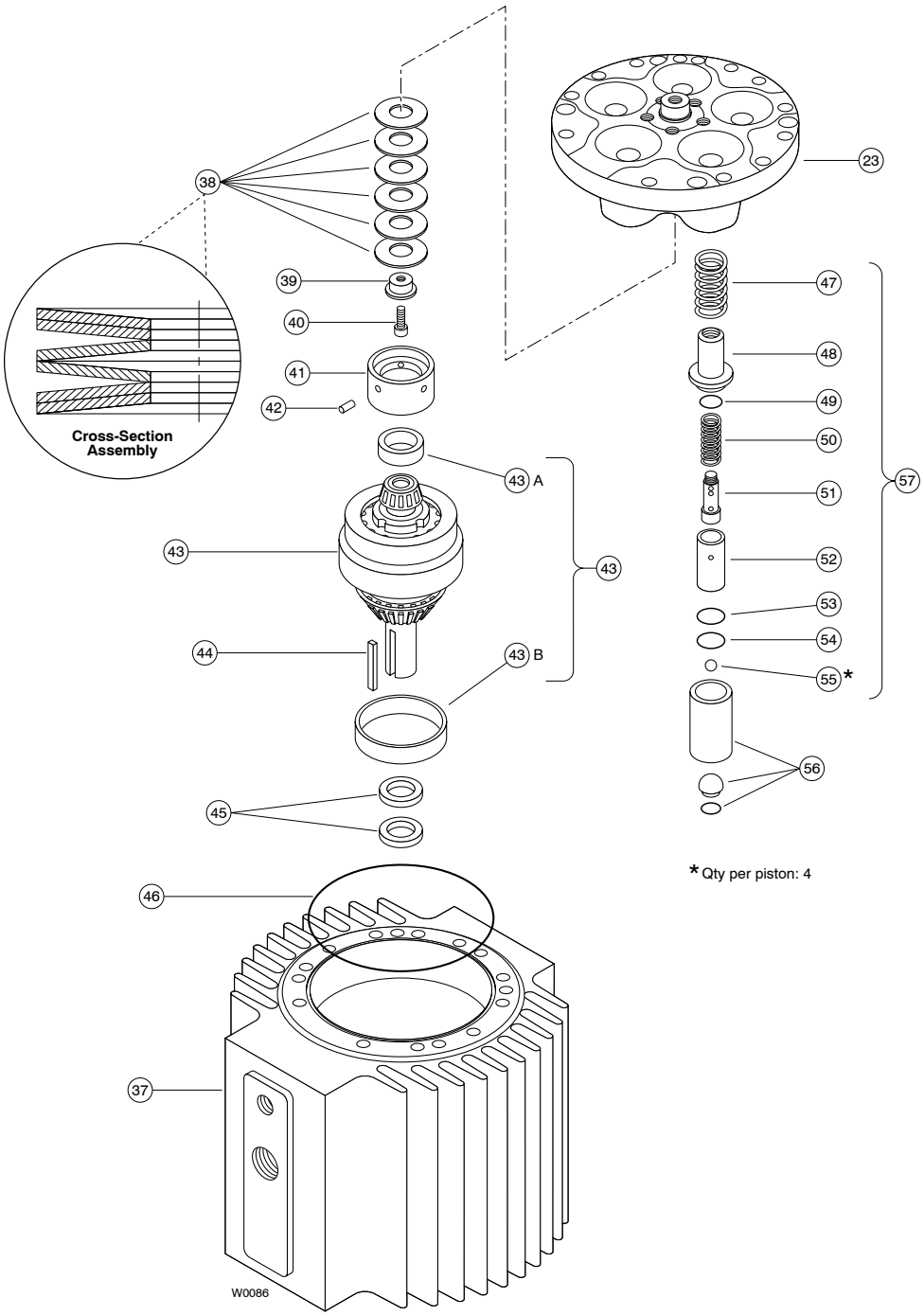
D-15 Fluid End

Ref. No.	Part Number	Description	Quantity/ Pump
0	D25-038-2211	Plug, 316 SST	2
1	G15-081-2010	Screw, socket-head-cap, M10 x 1.5 x 85mm	5
2	G25-024-2010	Screw, socket-head-cap, M10 x 1.5 x 120mm	12
3	D11-048-2011	Washer, flat	18
4	D15-004-1010	Manifold, brass, NPT	1
	D15-004-1012	Manifold, 316L SST, NPT	1
5	D40-073-2110	O-ring, outer manifold, Buna	1
	D40-073-2111	O-ring, outer manifold, Viton	1
6	D15-073-2110	O-ring, middle manifold, Buna	1
	D15-073-2111	O-ring, middle manifold, Viton	1
7	D35-080-2120	O-ring, inner manifold, Buna	1
	D35-080-2121	O-ring, inner manifold, Viton	1
8	D15-026-2210	Pin, dowel	1
9	D10-035-2110	O-ring, inlet valve seat, Buna	5
	D10-035-2111	O-ring, inlet valve seat, Viton	5
10	D15-020-1010	Valve Seat, inlet, 17-4 SST, HT	5
	D15-020-1011	Valve Seat, inlet, Nitronic 50	5
	D15-020-1016	Valve Seat, inlet, tungsten carbide	5
11	D10-021-1015	Valve, inlet, 17-4 SST, HT	5
	D10-021-1011	Valve, inlet, Nitronic 50	5
	D10-021-1016	Valve, inlet, tungsten carbide	5
12	D10-022-3117	Valve Spring, inlet, Elgiloy	5
	D10-022-3123	Valve Spring, inlet, Hastelloy C	5
13	D10-092-2110	Tetra Seal, inlet, Buna	5
	D10-092-2111	Tetra Seal, inlet, Viton	5
14	D10-023-1010	Retainer, inlet valve spring, 17-7 SST	5
	D10-023-2310	Retainer, inlet valve spring, Celcon	5
	D10-023-2326	Retainer, inlet valve spring, Nylon	5
	D10-023-2327	Retainer, inlet valve spring, Polypropylene	5
	D10-023-2328	Retainer, inlet valve spring, Kynar	5
15	D25-046-2110	O-ring, outlet valve seat, Buna	5
	D25-046-2111	O-ring, outlet valve seat, Viton	5
16	D15-020-2010	Valve Seat, outlet, 17-4 SST, HT	5
	D15-020-2011	Valve Seat, outlet, Nitronic 50	5
	D15-020-2016	Valve Seat, outlet, tungsten carbide	5
17	D03-092-2110	Tetra Seal, outlet, Buna	5
	D03-092-2111	Tetra Seal, outlet, Viton	5
18	D03-021-1015	Valve, outlet, 17-4 SST, HT	5
	D03-021-1011	Valve, outlet, Nitronic 50	5
	D03-021-1016	Valve, outlet, tungsten carbide	5
19	D15-022-3113	Valve Spring, outlet, Hastelloy C	5
	D15-022-3114	Valve Spring, outlet, Elgiloy	5
20	D03-023-1010	Retainer, outlet valve spring, 17-7 SST	5
	D03-023-2310	Retainer, outlet valve spring, Celcon	5
	D03-023-2316	Retainer, outlet valve spring, Nylon	5
	D03-023-2317	Retainer, outlet valve spring, Polypropylene	5
	D03-023-2318	Retainer, outlet Valve Spring, Kynar	5
21	D15-018-1220	Diaphragm, Buna-N-XS	5
	D15-018-1215	Diaphragm, Viton-XT	5
22	G10-089-2010	SHCS, M10 x 1.5 x 30mm	1
23	G15-002-1010	Cylinder Housing	1
24	D15-003-1010	Valve Plate, Brass	1
	D15-003-1012	Valve Plate, 316L SST	1
25	D25-077-2210	Pipe, Brass	1
26	D25-078-2210	Pipe Cap, Brass	1
27	D10-080-2110	O-ring, Buna	1
28	D03-039-1030	Cap with O-ring, oil fill	1
29	C22-015-2014	SHCS, M8 x 1.25 x 30	4
30	D15-025-1010	Base Plate	1
31	G35-084-2010	Lockwasher	4
32	G35-087-2010	HHCS, M12 x 1.75 x 35mm	4
33	D35-111-2010	Plug, magnetic	1
34	D25-038-2210	Plug, Brass	2
35	D10-040-2410	Name Plate	1
36	D10-112-2200	Rivet	4
37	G15-001-1010	Pump Housing	1

D-15 Hydraulic End

Bolt Torque Specifications

Ref. #	Assembly Torque
40	15 ft-lbs



D-15 Hydraulic End

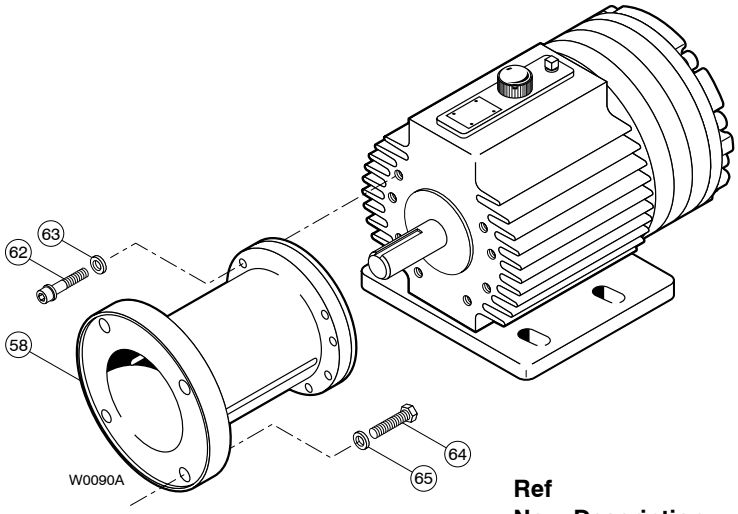
Ref. No.	Part Number	Description	Quantity/ Pump
38	D15-075-3110	Spring, disk	6
39	D15-112-1010	Guide, disk spring	1
40	G15-115-2010	SHCS, M8 x 1.25 x 10mm	1
41	D15-012-1010	Plate, bearing adjustment	1
42	D15-110-2210	Pin, dowel	1
43	D15-007-1210	(X) Cam Assembly, 13 gpm @ 1450 rpm	1
	D15-007-1214	(E) Cam Assembly, 15 gpm @ 1750 rpm	1
44	D25-085-2210	Key, shaft	1
45	H25-031-2112	Seal shaft	2
46	D15-037-2110	O-ring, Buna	1

Ref. No.	Part Number	Description	Quantity/ Pump
47	D10-019-3110	Spring, piston return	5
48	D10-042-1010	Retainer, spring	5
49	D10-046-2110	O-ring, Buna	5
50	D10-045-3110	Spring, sleeve valve	5
51	D15-044-1010	Plunger, valve	5
52	D10-043-1010	Cylinder, valve	5
53	D10-034-2110	O-ring, Buna	5
54	D10-041-1010	Washer, retaining	5
55	D10-015-3010	Ball, steel	20
56	D15-014-1209	Piston (with foot, retainer and balls)	5
57	D15-014-1210	Piston Assembly, Buna	5

D-15 Pump/Motor Adapter Kit

For NEMA 182/256TC C-Face Motors (Complete Kit Part No. A04-041-1200)

For NEMA 284/286TC C-Face Motors (Complete Kit Part No. A04-041-1202)



Ref No.	Description	A04-041-1200	A04-041-1202	Qty/ Kit
58	Pump/Motor Adapter	A04-041-1000	A04-041-1002	1
62	Cap Screw, Socket-head, M10	G03-068-2010	G03-068-2010	8
63	Lockwasher, split, M10	G25-048-2010	G25-048-2010	8
64	Cap Screw,	M10-110-2000 Hex-head, 1/2”	M10-110-2000 Hex-head, 1/2”	4
65	Lockwasher, split	M10-111-2000 1/2”	M10-111-2000 1/2”	4

D-15 Series Replacement Parts Kits

TO ORDER REPLACEMENT PARTS KIT: A Replacement Parts Kit contains 11 digits corresponding to customer-specified design options.

1	2	3	4	5	6	7	8	9	10	11

Digit	Order Code	Description
1-3		Pump Configuration
	D15	For all D-15 Pumps
4		Kit Designator
	K	Complete Fluid End Kit
	D	Diaphragm Kit
	V	Valve Kit (diaphragm not included)
5-6		Pump Head Version
	52	Pump Head Version
7		Diaphragm & O-ring Material
	G	Viton®-XT
	T	Buna-N-XS
8		Valve Seat Material
	D	Tungsten Carbide
	H	17-4 PH Stainless Steel
	N	Nitronic 50
	X	Not included in Diaphragm Kit
9		Valve Material
	D	Tungsten Carbide
	F	17-4 PH Stainless Steel – Machined
	N	Nitronic 50
	X	Not included in Diaphragm Kit
10		Valve Springs
	E	Elgiloy®
	T	Hastelloy® C
	X	Not included in Diaphragm Kit
11		Valve Spring Retainers
	C	Celcon
	H	17-7 PH Stainless Steel
	M	Kynar®
	P	Polypropylene
	Y	Nylon (Zytel)
	X	Not included in Diaphragm Kit

Kit Contents

Part Number*	Description	Qty	Kit Designator K	D	V
D15-018-___	Diaphragm	5	•	•	
D40-073-___	O-ring, outer manifold	1	•	•	•
D15-073-___	O-ring, middle manifold	1	•	•	•
D35-080-___	O-ring, inner manifold	1	•	•	•
D10-035-___	O-ring, valve seat, inlet	5	•		•
D15-020-___	Valve seat, inlet	5	•		•
D10-021-___	Valve, inlet	5	•		•
D10-022-___	Valve spring, inlet	5	•		•
D10-092-___	Tetra seal, inlet	5	•		•
D10-023-___	Retainer, valve spring, inlet	5	•		•
D25-046-___	O-ring, valve seat, outlet	5	•		•
D15-020-___	Valve seat, outlet	5	•		•
D03-092-___	Tetra seal, outlet**	5	•		•
D03-021-___	Valve, outlet	5	•		•
D03-022-___	Valve spring, outlet	5	•		•
D10-023-___	Retainer, valve spring, outlet	5	•		•
A01-113-3400	Threadlocker	1	•	•	

* Last four digits of part numbers with –___ refer to specific material of construction.
** Not included with metal spring retainers.

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