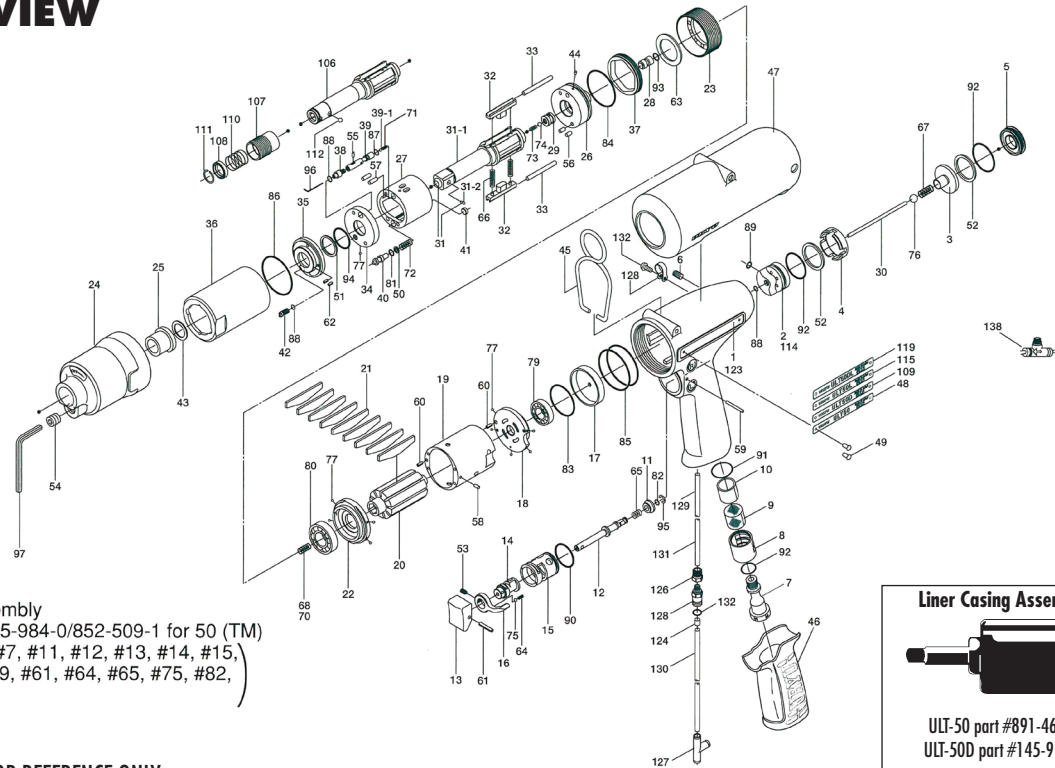
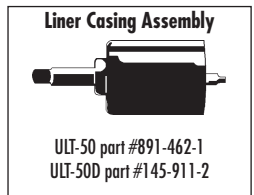


ULT-50, ULT-50D SERIES OIL-PULSE WRENCHES

EXPLODED VIEW



Handle Assembly
Code No. 145-984-0/852-509-1 for 50 (TM)
(#1 or #123, #7, #11, #12, #13, #14, #15,
#16, #53, #59, #61, #64, #65, #75, #82,
#90)



PARTS LIST — FOR REFERENCE ONLY

Index Number	Part Number	Description	Qty.	Index Number	Part Number	Description	Qty.	Index Number	Part Number	Description	Qty.
1	188-025-3	Handle	1	41	145-908-7	Accumulator Cover	1	85	990-337-0	O-Ring(JW1 530-27)	2 ▲
2	145-253-0	Shut-off Valve Bushing	1	42	194-742-0	Oil Plug	1	86	990-605-0	O-Ring (25 x1.45)	1 ●
3	145-254-6	Shut-off Valve	1	43	145-327-7	Anvil Front Spacer	1	87	990-621-0	O-Ring (3.8 x1.8 x 1.0)	1 ●
4	145-684-6	Cushion Spacer	1	44	150-064-5	Plug	1	88	990-900-0	O-Ring (SNS-2)	3 ●
5	145-019-6	Valve Cover	1	45	174-790-0	Suspension Ring	1	89	990-901-0	O-Ring (SNS-3)	1
6	150-108-5	Valve Plug	1	46	147-842-2	Handle Cover	1	90	990-912-0	O-Ring (SNS-14)	1
7	147-091-2	Air Inlet Bushing	1	47	145-840-7	Casing Cover	1	91	990-914-0	O-Ring (SNS-16)	1
8	147-780-3	Exhaust Stack	1	48	145-924-0	Name Plate (ULT-50)	1	92	990-916-0	O-Ring (SNS-18)	3
9	147-042-2	Silencer	1	49	930-205-0	Pin (No. 0 x 2.6)	2	93	990-305-0	O-Ring (ARP568-003KS)	1 ●
10	147-835-3	Filter (K200)	1 ▲	50	944-002-0	Support Ring (2.6 x 4.5 x 1)	1 ●	94	992-020-0	SU-Ring (Q12) NTN	1 ●
11	147-100-3	Valve	1	51	944-212-0	Support Ring (12 x 16 x 1.5)	1 ●	PARTS FOR ULT-50D			
12	142-104-6	Valve Rod	1	52	944-217-0	Support Ring (14 x 20 x 1.8)	2	106	145-350-2	Driver Anvil	1
13	147-107-2	Valve Lever	1	53	952-106-0	Allen Head Dog Point Screw (M4 x 6)	1	107	011-351-1	Bit Sleeve (1/8)	1
14	147-210-2	Reverse Valve	1	54	966-099-0	Allen Head Plug (NPT1/16) GDL	1	108	011-352-1	Bit Spacer	1
15	147-211-2	Reverse Valve Bushing	1	55	970-013-0	Pin (H) (1.5 x 4)	1	109	145-924-2	Name Plate (ULT50D)	1
16	480-212-8	Reverse Lever	1	56	970-130-0	Pin (H) 12.45 x 4.5)	2	110	976-327-0	Spring (13.5 x 11 x 0.9)	1
17	145-291-7	Rear Plate Spacer	1	57	970-131-0	Pin (H) (2.45 x 9.5)	2	111	978-117-0	Snap Ring (11.7 x 1)	1
18	145-285-6	Rear Plate	1	58	971-102-0	Pin (2 x 3.8)	1	112	981-002-0	Ball (1/8)	1
19	145-286-0	Cylinder	1	59	971-123-0	Pin (2 x 23)	1	PARTS FOR ULT-50L			
20	145-287-0	Rotor	1	60	973-008-0	Roll Pin (2 x 8)	2	114	145-253-3	Shut-off Valve Bushing	1
21	145-288-0	Blade (PC)	9 ▲	61	973-014-0	Roll Pin (2 x 14)	1	115	145-924-3	Name Plate	1
22	145-289-6	Front Plate	1	62	973-040-0	Roll Pin (1.5 x 5)	2	PARTS FOR ULT-50DL			
23	147-036-2	Hammer Casing Connector	1	63	975-752-0	Adjusting Spacer (1.5 x 10 x 1)	1	114	145-253-3	Shut-off Valve Bushing	1
24	145-439-0	Front Casing	1	64	976-006-0	Spring (3 x 5 x 0.4)	1	119	145-924-4	Name Plate	1
25	190-328-6	Anvil Bushing	1	65	976-457-0	Spring (7 x 12 x 0.9)	1	PARTS FOR TM-TYPE			
26	145-901-0	Rear Liner Plate	1	66	976-791-0	Spring (3.3 x 21 x 0.4) WPC	2 ●	123	852-501-1	Handle	1
27	145-902-0	Liner	1	67	977-043-0	Cone Spring (4.1 x 4.7 x 9) (0.45)	1	124	851-954-1	Medium Valve Sheet	1
28	145-546-6	Piston	1	68	976-650-0	Spring (3.3 x 16 x 0.45) [Standard]	1	126	851-955-1	Connecting Screw	1
29	145-929-6	Check Valve Cover	1	70	976-662-0	Spring (3.3 x 18 x 0.45)	1	127	909-442-0	Quick Exhaust (AQ240F-04-00)	1
30	145-130-0	Operating Rod (2.1 x 50.9)	1			Yellow [Strong]	1	128	933-281-0	One-Touch Connector (KJH04-M5)	1
31	891-554-1	Anvil Assembly (P)	1	71	976-682-0	Spring (2.7 x 7.4 x 0.37) for ULT50	1 ●	129	935-240-0	Nylon Tube (18NY)	1
31-1	145-319-0	Anvil (O)	1	72	976-674-0	Spring (4.3 x 14 x 0.55)	1 ●	130	935-350-0	Polyurethane Hose (F-1504)	1
31-2	891-300-1	Socket Pin Assembly	1	73	976-653-0	Spring (2.4 x 5 x 0.26)	1 ●	131	935-358-0	Polyurethane Hose (TU-0212)	1
32	145-440-0	Driving Blade	2	74	981-001-0	Ball (3/32)	1	132	990-903-0	O-Ring (SNS-5)	1
33	145-974-0	Roller (2.5 x 21)	2	75	981-002-0	Ball (1/8)	1	ACCESSORIES			
34	145-973-6	Liner Casing Spacer	1	76	981-003-0	Ball (5/32)	1	96	939-091-0	Allen Wrench (1.5 x 80 x 20)	1
35	145-904-6	Front Liner Plate	1	77	981-045-0	Ball (1.5)	9	97	939-105-0	Allen Wrench (4)	1
36	145-905-0	Liner Casing	1	79	982-014-0	Ball Bearing (607)	1 ▲	138	909-449-0	Speed Controller (AS1001F-04)	1
37	145-906-6	Liner Casing Cover	1	80	982-902-0	Ball Bearing (6901)	1 ▲	FOOTNOTES			
38	145-907-6	Relief Valve Spindle	1	81	990-320-0	O-Ring (APR568-003)	1 ●	● = Items in Pulse Repair Kit ULT-50-PRK			
39	144-970-0	Relief Valve	1	82	990-306-0	O-Ring (APR568-004H)	1	▲ = Items in Repair Kit ULT-50-RK			
39-1	144-270-0	Pressure Control Valve	1	83	990-327-0	O-Ring (JW1 530-18)	1				
40	145-972-6	Accumulator	1	84	990-329-0	O-Ring(JW1 530-19)	1 ●				



10000 SE PINE
PORTLAND, OR 97216
503-254-6600
FAX 503-255-2615

When ordering spare parts, please specify
tool type, part number, and description.

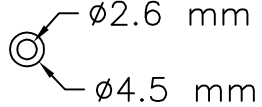
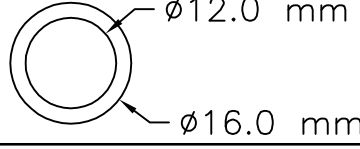
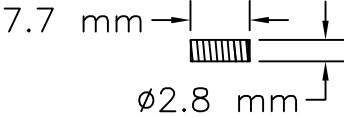
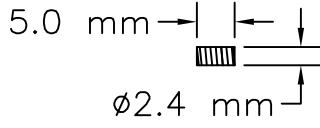
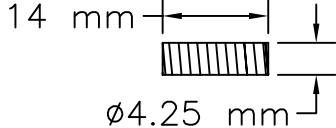
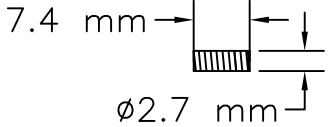
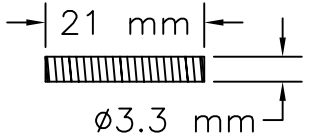
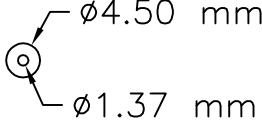
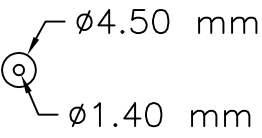
FOOTNOTES

● = Items in Pulse Repair Kit ULT-50-PRK
▲ = Items in Repair Kit ULT-50-RK

REVISED 11/15

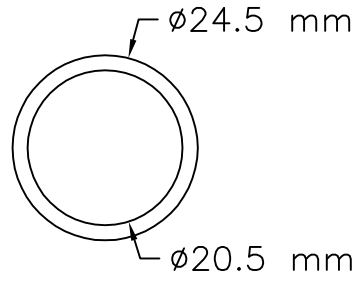
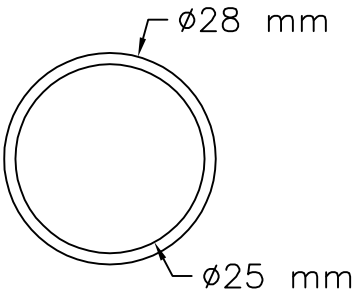
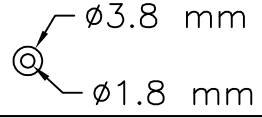
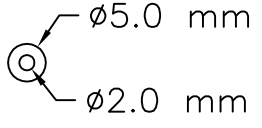
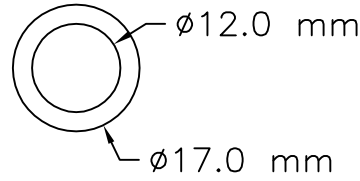
ULT-50-PRK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
1	PA10	944-002-0	1	Support Ring 2.6x4.5x1	Teflon-White	 <p>∅2.6 mm ∅4.5 mm</p>
2	PA10	944-212-0	1	Supporting Ring 12x16x1.5	Teflon-White	 <p>∅12.0 mm ∅16.0 mm</p>
3	PA1I	976-632-0	1	Spring 2.8x7.7	Spring wire ∅.40 mm	 <p>7.7 mm ∅2.8 mm</p>
4	PA1I	976-653-0	1	Spring 2.4x5	Spring wire ∅.30 mm	 <p>5.0 mm ∅2.4 mm</p>
5	PA1I	976-674-0	1	Spring 4.25 X 14	Spring wire ∅.60 mm	 <p>14 mm ∅4.25 mm</p>
6	PA1I	976-682-0	1	Spring 2.7 X 7.4	Spring wire ∅.37 mm	 <p>7.4 mm ∅2.7 mm</p>
7	PA1J	976-791-0	2	Spring 3.3 X 21	Spring wire ∅.42 mm	 <p>21 mm ∅3.3 mm</p>
8	PA1A	990-305-0	1	O-Ring 4.5X1.37X1.7	Buna-Black	 <p>∅4.50 mm ∅1.37 mm</p>
9	PA1A	990-320-0	1	O-Ring 4.5X1.4X1.6	Buna-Black	 <p>∅4.50 mm ∅1.40 mm</p>

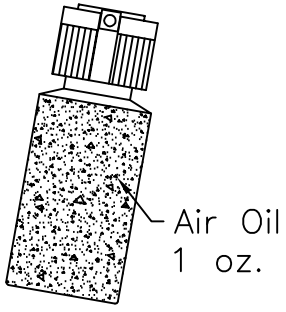
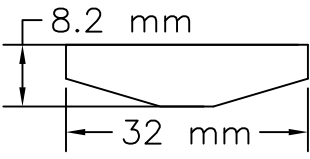
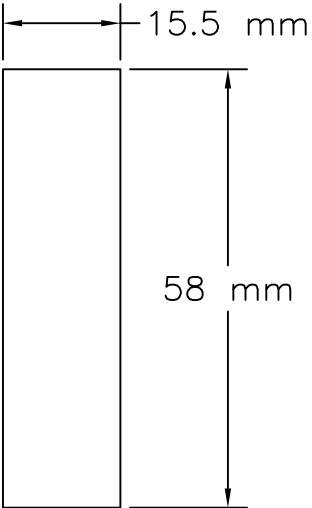
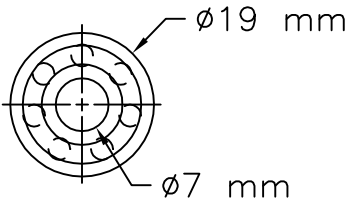
ULT-50-PRK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
10	PA1D	990-329-0	1	O-Ring 24.5X20.5X1.8	Buna-Black	
11	PA1A	990-605-0	1	O-Ring 25x28x1.45	Buna-Black	
12	PA1B	990-621-0	1	O-Ring 3.8X1.8X1	Buna-Black	
13	PA1B	990-900-0	2	O-Ring 5X2X1.5	Buna-Black	
14	PA1P	992-020-0	1	SU-Ring (Q-12) (NTN)	Buna-Black	

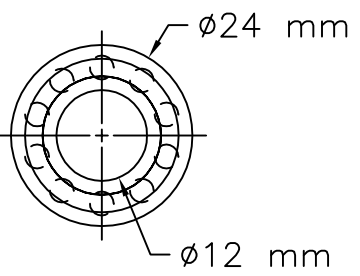
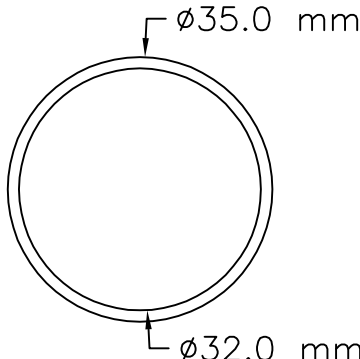
ULT-50-RK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
1	SEWALL	AM-OIL	1	Oil Air Motor 1 oz. fluid	Plastic Container	
2	PA2B	145-288-0	9	Blade(PC) 8.2x32x1.65	Phenolic-Fiber	
3	PA3A	147-835-3	1	Filter K200 15.5x58x1.65	Sendered Plastic	
4	PA2H	982-014-0	1	Ball Bearing(607) 7x19x6	Bearing Steel	

ULT-50-RK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
5	PA2I	982-902-0	1	Ball Bearing(6901) 12x24x6	Bearing Steel	 <p>Diagram of a ball bearing showing an outer diameter of $\phi 24$ mm and an inner diameter of $\phi 12$ mm.</p>
6	PA1A	990-337-0	2	O-Ring (JW1530-27) 32x36x1.75	Buna-Black	 <p>Diagram of an O-ring showing an outer diameter of $\phi 35.0$ mm and an inner diameter of $\phi 32.0$ mm.</p>