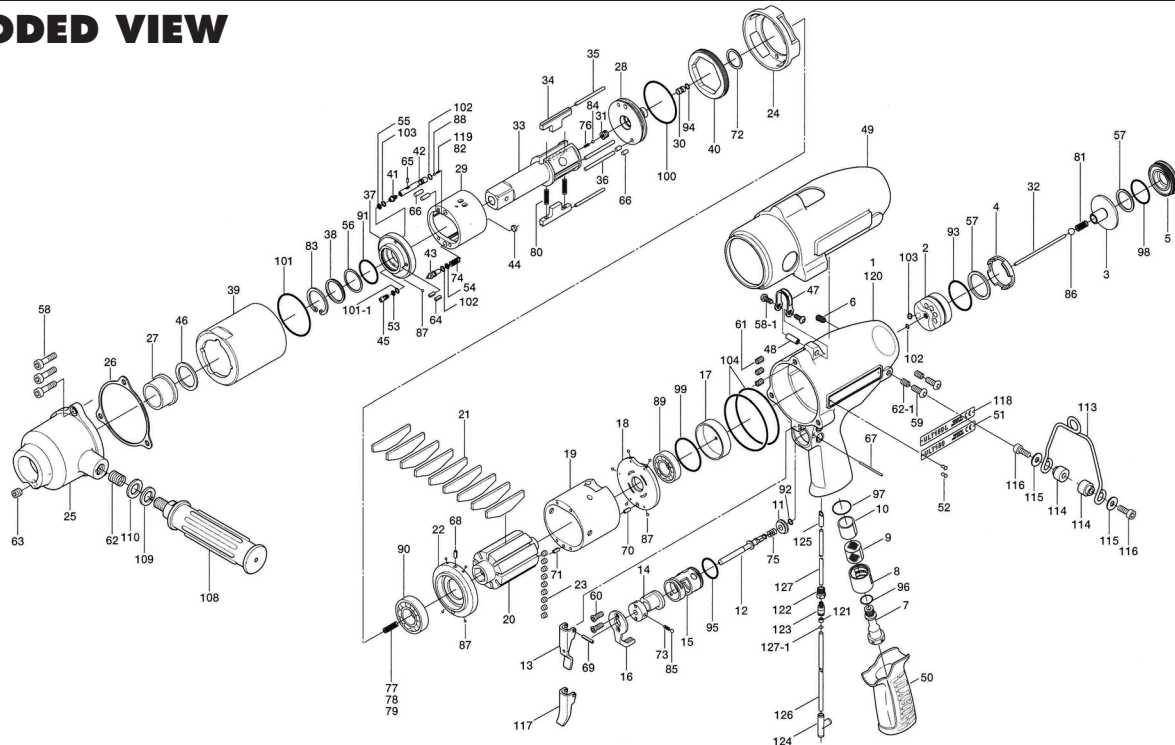


# ULT-180 SERIES OIL-PULSE WRENCHES

## EXPLODED VIEW



## PARTS LIST — FOR REFERENCE ONLY

Index Number	Part Number	Description	Qty.	Index Number	Part Number	Description	Qty.	Index Number	Part Number	Description	Qty.
1	128-025-2	Handle	1	46	130-327-5	Anvil Rear Spacer	1	89	982-103-0	Ball Bearing (6003)	1
2	128-253-2	Shut-off Valve Bushing	1	47	136-790-7	Suspension Ring	1	90	982-906-0	Ball Bearing (6905)	1
3	128-254-2	Shut-off Valve	1	48	136-791-7	Suspension Ring Bushing	1	91	990-170-0	O-Ring (ARP-568-120) (NTN)	1
4	128-684-2	Bumper Spacer	1	49	128-840-2	Casing Protector	1	92	990-306-0	O-Ring (ARP-568-004) (H)	1
5	128-019-2	Valve Cover	1	50	130-842-2	Handle Cover	1	93	990-335-0	O-Ring (JW1530-25)	1
6	128-108-2	Valve Plug	1	51	128-924-2	Name Plate	1	94	990-891-0	O-Ring (SNS-3) (E)	1
7	163-091-6	Air Inlet Bushing	1	52	930-205-0	Driver Rivet (No.0 x 2.6)	2	95	990-916-0	O-Ring (SNS-18)	1
8	163-780-6	Exhaust Stack	1	53	944-003-0	Supporting Ring (3 x 5 x 1)	1	96	990-917-0	O-Ring (SNS-24)	1
9	163-042-3	Silencer	1	54	944-005-0	Supporting Ring (4.2 x 6 x 1)	1	97	990-919-0	O-Ring (SNS-22)	1
10	163-835-5	Filter (K-100)	1	55	944-205-0	Supporting Ring (5.1 x 7 x 1)	1	98	990-925-0	O-Ring (SNS-32)	1
11	130-100-2	Valve	1	56	944-225-0	Supporting Ring (25.2 x 29.4 x 1.5)	1	99	990-929-0	O-Ring (SNS-36)	1
12	130-104-2	Valve Rod	1	57	944-229-0	Supporting Ring (26 x 34 x 1.5)	2	100	990-938-0	O-Ring (SNS-48)	1
13	130-107-2	Valve Lever	1	58	945-218-0	Allen Head Bolt (M6 x 1.8)	3	101	990-939-0	O-Ring (SNS-50)	1
14	130-210-2	Reverse Valve	1	58-1	945-941-0	Hexagon Round Head Bolt (M4 x 5)	2	101-1	990-970-0	O-Ring (SNS-2) (NOK)	1
15	130-211-2	Reverse Valve Bushing	1	59	945-949-0	Hexagon Round Head Bolt (M5 x 6)	2	102	990-971-0	O-Ring (SNS-3) (NOK)	3
16	128-212-2	Reverse Lever	1	60	948-423-0	Allen Flush Head Screw (M3 x 6)	2	103	990-972-0	O-Ring (SNS-4) (NOK)	2
17	128-291-2	Rear Plate Spacer	1	61	965-021-0	Heli-vert (M6 x 1.5D)	3	104	990-990-0	O-Ring (SNS-65)	2
18	128-285-2	Rear Plate	1	62	965-058-0	Heli-vert (M12 x 1D)	1	<b>PARTS FOR ULT-180L</b>			
19	128-286-2	Cylinder	1	62-1	965-010-0	Heli-vert (M5 x 1D)	2	118	128-924-3	Name Plate	1
20	128-287-2	Rotor	1	63	966-099-0	Allen Head Plug NPT1/16 (GDL Type)	1	119	977-052-0	Cone Spring (3.9 x 4.9 x 11.9) (0.65)	1
21	128-288-2	Blade (PC)	9	64	969-485-0	Pin (D) (4 x 8)	2	<b>PARTS FOR (TM) TYPE</b>			
22	128-289-2	Front Plate	1	65	970-093-0	Pin (H) (2 x 6)	1	120	851-953-1	Handle	1
23	128-064-2	Plug	9	66	970-308-0	Pin (H) (4 x 8)	4	121	851-967-1	Plug	1
24	128-027-2	Isolation Plate	1	67	971-130-0	Pin (2 x 30)	1	122	851-955-1	Connecting Screw	1
25	128-439-2	Front Casing	1	68	973-006-0	Roll Pin (2 x 6)	1	123	933-281-0	One Touch Connector (KJH04-M5)	1
26	128-867-2	Front Casing Packing	1	69	973-120-0	Roll Pin (3 x 20)	1	124	909-442-0	Quick Exhaust (AQ240F-04-00)	1
27	195-328-7	Anvil Bushing	1	70	973-212-0	Roll Pin (4 x 12)	1	125	935-240-0	Nylon Tube (18NY)	1
28	128-901-2	Rear Liner Plate	1	71	973-220-0	Roll Pin (4 x 20)	1	126	935-350-0	Polyurethane Hose (F-1504)	1
29	128-902-2	Liner	1	72	975-810-0	Adjusting Spacer (30 x 20 x 1)	1	127	935-358-0	Polyurethane Hose (TU-0212)	1
30	173-546-3	Piston	1	73	976-006-0	Spring (3 x 5) (0.4)	1	127-1	990-320-0	O-Ring (ARP-568-003)	1
31	128-929-2	Check Valve Cover	1	74	976-820-0	Spring (5.8 x 39) (1.0)	1	<b>ACCESSORIES</b>			
32	128-130-2	Operation Rod (3 x 82.3)	1	75	976-643-0	Spring (7.5 x 9.7) (0.9)	1	106	939-109-0	Allen Wrench (2mm)	1
33	128-319-2	Anvil	1	76	976-847-0	Spring (2.4 x 5.3) (0.26)	1	107	939-105-0	Allen Wrench (4mm)	1
34	128-440-2	Driving Blade	2	77	976-821-0	Spring (4.8 x 25.5) (0.6) (Weak)	1	108	566-720-2	Dead Handle (A)	1
35	128-974-2	Roller (3 x 45)	2	78	976-822-0	Spring (4.8 x 26) (0.6) (Standard)	1	109	962-013-0	Spring Washer (12S)	1
36	173-974-2	Roller (3.4 x 45)	2	79	976-823-0	Spring (4.8 x 26.5) (0.6) (Strong)	1	110	975-127-0	Spacer (20 x 13 x 1)	1
37	128-904-2	Front Liner Plate	1	80	976-779-0	Spring (4.3 x 45.5) (0.6) WPC	2	<b>Optional Accessories</b>			
38	163-807-5	Spacer	1	81	976-806-0	Spring (5.2 x 20.5) (0.5) WPC	1	113	851-107-1	Suspension Ring	1
39	128-905-2	Liner Casing	1	82	977-051-0	Cone Spring (3.9 x 4.9 x 12.3) (0.65)	1	114	193-791-6	Suspension Receiver	2
40	128-906-3	Liner Casing Setter	1	83	979-207-0	Snap Ring (30)	1	115	193-792-6	Suspension Plate	2
41	175-907-9	Relief Valve Spindle	1	84	981-001-0	Ball (3/32)	1	116	945-112-0	Allen Head Bolt (M5 x 12)	2
42	128-970-2	Relief Valve	1	85	981-002-0	Ball (1/8)	1	117	130-107-4	Valve Lever	1
43	130-972-4	Accumulator	1	86	981-005-0	Ball (7/32)	1	128	909-449-0	Speed Controller (AS1001F-04)	1
44	130-908-4	Accumulator Cover	1	87	981-045-0	Ball (1.5)	10				
45	194-742-3	Oil Plug	1	88	981-155-0	Ball (3.5)	1				



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

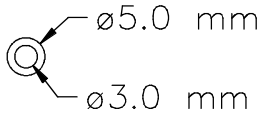
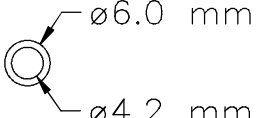
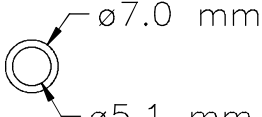
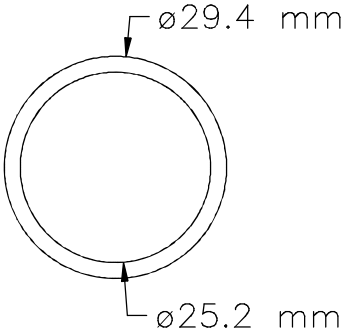
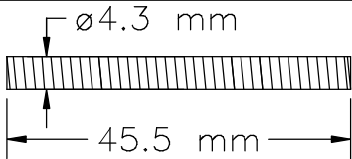
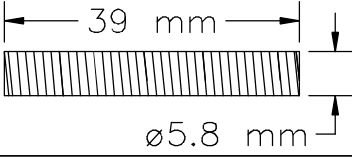
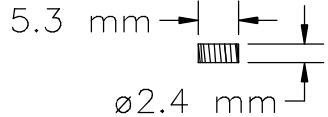
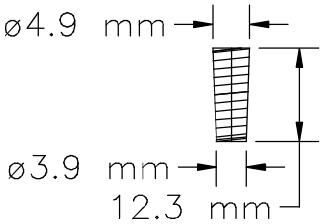
When ordering spare parts, please specify  
tool type, part number, and description.

### FOOTNOTES

- = Items in Pulse Repair Kit ULT-180-RK
- = Items in Repair Kit ULT-180-RK

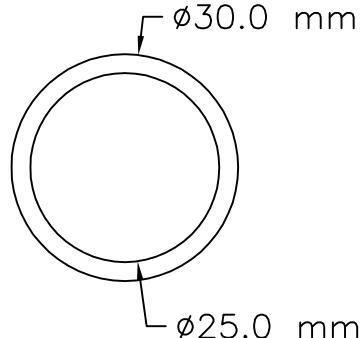
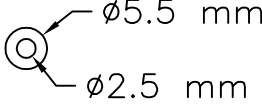
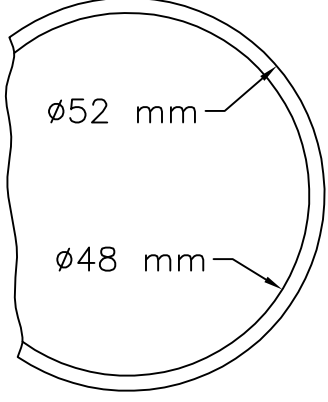
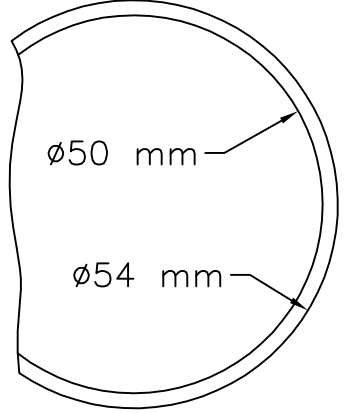
# ULT-180-PRK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
1	PA10	944-003-0	1	Support Ring 3.0x5.0x1	Teflon-White	
2	PA10	944-005-0	1	Support Ring 4.2x6.0x1	Teflon-White	
3	PA10	944-205-0	1	Back Up Ring 5.1x7.0x1	Teflon-White	
4	PA10	944-225-0	1	Supporting Ring 25.2x29.4x1.5	Teflon-White	
5	PA1I	976-779-0	2	Spring 4.3x45.5 (0.6) WPC	Spring wire ø.60 mm	
6	PA1J	976-820-0	1	Spring 5.8x39 (1.0)WPC	Spring wire ø1.0 mm	
7	PA1J	976-847-0	1	Spring 2.4x5.3 (0.26) N=7.5	Spring wire ø.30 mm	
8	PA1J	977-051-0	1	Cone Spring 3.9x4.9x12.3	Spring wire ø.65 mm	

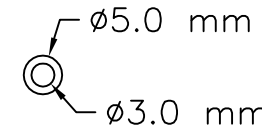
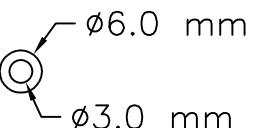
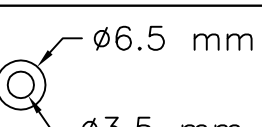
# ULT-180-PRK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
9	PA1A	990-170-0	1	O-Ring (ARP568-120)(NTN) 25x30x2.7	Buna-Black	
10	PA1B	990-891-0	1	O-Ring (SNS-3) (E) 2.5x5.5x1.5	Buna-Black	
11	PA1B	990-938-0	1	O-Ring (SNS-48) 48x52x2	Buna-Black	
12	PA1B	990-939-0	1	O-Ring (SNS-50) 50x54x2	Buna-Black	

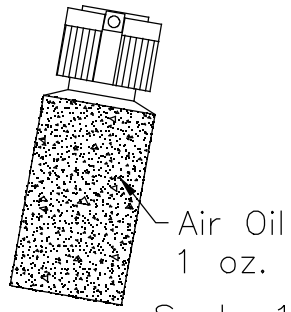
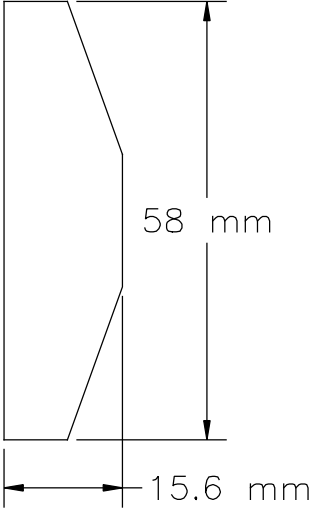
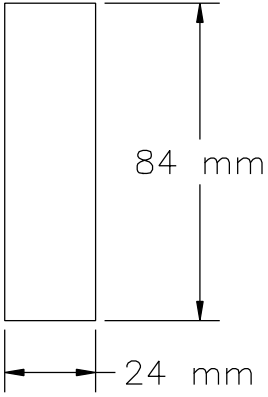
# ULT-180-PRK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
13	PA1C	990-970-0	1	O-Ring (SNS-2)	Buna-Black	
14	PA1C	990-971-0	2	O-Ring (SNS-3) (NOK)	Buna-Black	
15	PA1C	990-972-0	1	O-Ring (SNS-4) (NOK)	Buna-Black	

# ULT-180-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	 <p style="text-align: right;">Air Oil 1 oz. Scale 1:2</p>
2	PA2D	128-288-2	9	Blade(PC) 15.6x58x2.85	Phenolic-Fiber	 <p style="text-align: right;">58 mm 15.6 mm</p>
3	PA3A	163-835-6	1	Filter K200 24x84x1.55	Sendered Plastic	 <p style="text-align: right;">84 mm 24 mm Scale 1:2</p>

# ULT-180-RK

(Kit contains following parts)

#/#	Bin Location	Part Number	QTY	Description	Material	Drawing / Scketch
4	PA2H	982-103-0	1	Ball Bearing(6003) 17x35x10	Bearing Steel	<p>A technical drawing showing the cross-section of a 6003 ball bearing. It features an outer ring with 10 balls and an inner ring. Dimension lines indicate an outer diameter of 35 mm and an inner diameter of 17 mm.</p>
5	PA2I	982-906-0	1	Ball Bearing (6905) 25x42x9	Bearing Steel	<p>A technical drawing showing the cross-section of a 6905 ball bearing. It features an outer ring with 10 balls and an inner ring. Dimension lines indicate an outer diameter of 42 mm and an inner diameter of 25 mm.</p>
6	PA1C	990-990-0	2	O-Ring (SNS-65) 65x69x2	Buna-Black	<p>A technical drawing showing the cross-section of an O-ring. It is a thick, circular ring. Dimension lines indicate an outer diameter of 69 mm and an inner diameter of 65 mm.</p>