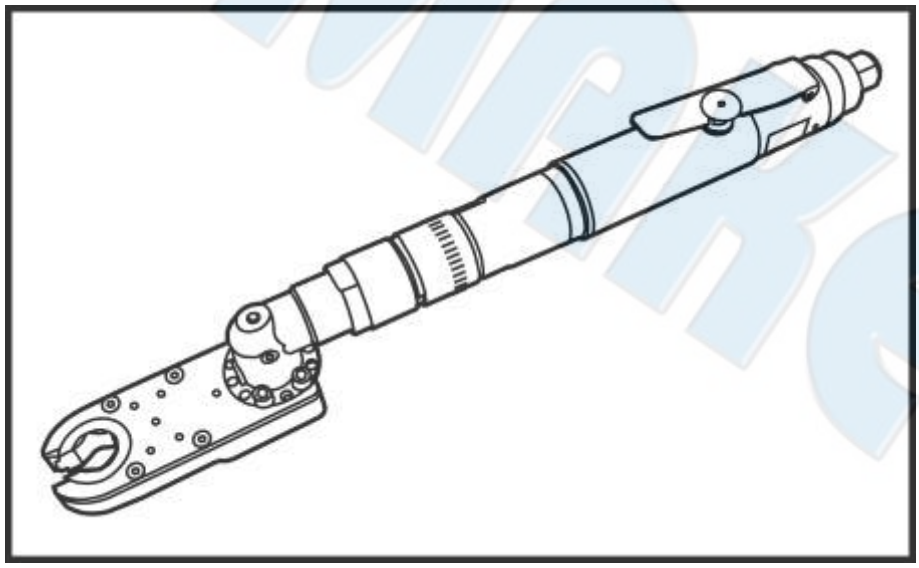
SUMAKE *PNEUMATIC TOOLS*



Air Shut Off Open-End Wrench
POWB15

Specification:

Free Speed	230 r/min
Torque Range	7.5 ~ 15 N-m
Overall Length	16-1/4" (413mm)
Air Consumption	7cfm (198 l/min)
Air Inlet (PT)	1/4" (6.35 mm)
Min. Air Hose	10 mm
Air Pressure	90 psi (6.3 bar)
Net Weight	3.68Lb (1.67kg)

Noise and Vibration:

Vibration EN ISO 28927-2	**Noise** EN ISO 15744	**Remark**
under load: $< 2.5\ m/s^2$	Sound Pressure Level under load: 87 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level under load: 98 dB(A)	
Uncertainty K= 1.5 m/s^2	Uncertainty K= 3dB	

SUMAKE INDUSTRIAL CO., LTD
4F,NO.351,Yangguang St.,Neihu District TAIPEI, TAIWAN, ZIP:114-91

EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**
4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment
Equipment： AIR SHUT OFF OPEN-END WRENCH
Model/ Serial No.： POWB15

to which this declaration applies, complies with these normative documents:

- **Machinery Directive: 2006/42/EC**

and conforms to the following EN standard,

- **EN ISO 12100: 2010**
- **EN ISO 11148-6:2012**

Name and Signature/Position

Mike Su – Managing Director

Date and Place

2022/12/1

Taipei, Taiwan

OPERATION MANUAL

To adjust the torque:
Roll torque ring to adjust torque
(plus with anticlockwise /
reduce with clockwise.)

Press the lever for running.

Operator can push button for releasing the gear socket back to the open position.

Connect fitting with the air hose.

Please add MOLY
(Molybdenum Disulfide) grease.

Please add lubricant
1~2drops daily.

Rear exhaust.

Extremely easy and useful to tighten things up in limited spaces,for examle:compressor assembly, refrigerator pipes or autombobile breaking system pipes and so on.

1.Use hex wrench to remove screw in an anticlockwise direction.
2.Adjust Wrench Gear Set angle (15°~30°)

AIR SUPPLY

1. Air tools are adversely affected by moisture. Since air from compressor contains much moisture and dust, it is desirable to provide a filter and lubricator in the pipeline to remove such undesirable elements. Also take the drain out from air tank every day.
2. When using brand-new air hose or air pipe. Blow and clean the inside of air hose or pipe before installation.
3. Keep inside of air hose or air pipe clean to prevent airdrop problem caused by the lots of drain and dust accumulated and possibly make the inside diameter smaller in the long use.
4. When disconnect air hose from air tool while in the operation do not drop air hose end to the floor as dust or other element may come into air hose.
5. Use air regulator to keep stable air pressure (dynamical pressure) at 5.5kg/cm^2-6.0kg/cm^2 on the air inlet. It is important to get proper air pressure at the toll. For more details, pls reter our specification.
6. After lubrication, oil will discharged the exhaust upon operation. Flush motor for a few seconds.

LUBRICATION

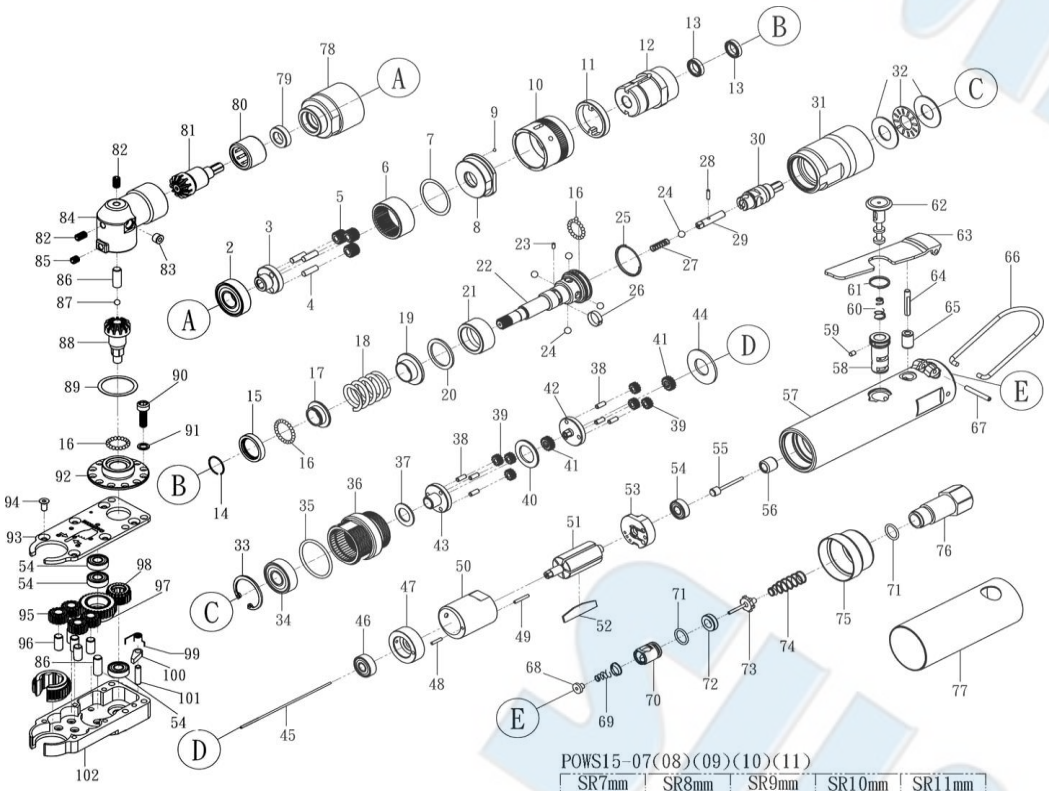
1.Lubrication is indispensable to air tools. The most ideal maintenance is to install one lubricator to a toll for automatic oil feed, but if it is not available, manual lubrication twice every day is recommended for longer life and keeping the efficient function of mechanism.
2.For manual lubrication, disconnect air hose from bushing air inlet and full up spindle oil (#40-#60) into the air inlet.

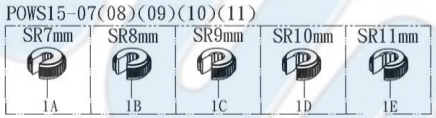
Common Troubleshooting:

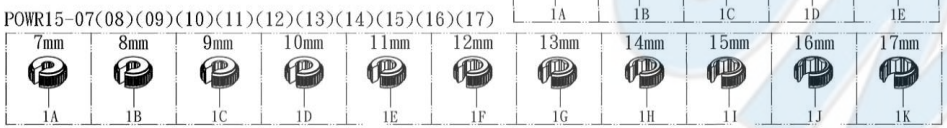
Appearance	Possible Cause	Solution
WHEN AIR INTO AIR INLET, THE TOOL CANNOT WORK	Operating rod has worn and tore or bend.	Disassemble and repair
	Spring is in right position	Disassemble and repair
	Parts front plate, rotor, cylinder, end plate are rusty.	Disassemble and repair
	Parts 15t plant gear, 15t plant gear, fifth gear cage and main gear, fifth ear cage, internal gear, blade are broken.	Disassemble and repair
WHEN AIR INTO AIR INLET, THE TOOL RUN WITHOUT PRESS THE TRIGGER	Some of O-rings are loaded or deformed	Disassemble and repair
NON AUTO SHUT-OFF WHEN TORQUE IS REACHED	Some of O-rings are worn and tore.	Disassemble and repair
	Spring (inside of anvil) may not in right position	Disassemble and repair
	Parts slide base, rear clutch, bearing, center clutch, retainer, bushing have worn and tore.	Disassemble and repair
THE MAX TORQUE IS INSUFFICIENT.	Parts front plate, rotor, cylinder, end plate, ball bearing are rusty.	Disassemble and repair
	Motor of blades are worn and tore.	Disassemble and repair
	Rear clutch is worn and tore.	Disassemble and repair
	Torque spring is elastic fatigued.	Disassemble and repair
WHEN THE FREE SPEED IS TOO LOW	Air pressure may not enough.	Check equipment.
	Check air inlet set.	Disassemble and repair

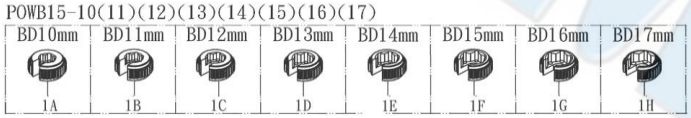
POWR15-SERIES, POWS15-SERIES, POWB15-SERIES

AIR SHUT OFF OPEN-END WRENCH









PARTS LIST

No.	Parts No.	Description	Q'ty
1	POWR15-001A	Gear Socket 7mm	1
	POWR15-001B	Gear Socket 8mm	1
	POWR15-001C	Gear Socket 9mm	1
	POWR15-001D	Gear Socket 10mm	1
	POWR15-001E	Gear Socket 11mm	1
	POWR15-001F	Gear Socket 12mm	1
	POWR15-001G	Gear Socket 13mm	1
	POWR15-001H	Gear Socket 14mm	1
	POWR15-001I	Gear Socket 15mm	1
	POWR15-001J	Gear Socket 16mm	1
	POWR15-001K	Gear Socket 17mm	1
	POWS15-001A	Gear Socket SR7mm	1
	POWS15-001B	Gear Socket SR8mm	1
	POWS15-001C	Gear Socket SR9mm	1
	POWS15-001D	Gear Socket SR10mm	1
	POWS15-001E	Gear Socket SR11mm	1
	POWB15-001A	Gear Socket BD10mm	1
	POWB15-001B	Gear Socket BD11mm	1
	POWB15-001C	Gear Socket BD12mm	1
	POWB15-001D	Gear Socket BD13mm	1
	POWB15-001E	Gear Socket BD14mm	1
	POWB15-001F	Gear Socket BD15mm	1
	POWB15-001G	Gear Socket BD16mm	1
	POWB15-001H	Gear Socket BD17mm	1
2	POWR19-002	Ball Bearing (6001-2Z)	1
3	POWR19-003	Gear Ring	1
4	POWR19-004	Pin (Φ4x13)	3
5	POWR19-005	Gear	3
6	POWR19-006	Gear Ring	1
7	POWR19-007	Washer	1
8	POWR19-008	Bushing	1
9	POWR19-009	Steel Ball (Φ2mm)	1
10	POWR19-010	Nut (RH)	1
11	POWR19-011	Nut (RH)	1
12	POWR19-012	Bushing	1
13	POWR19-013	Ball Bearing (679)	2
14	POWR19-014	Retaining Ring	1
15	POWR19-015	Washer	1
16	POWR19-016	Steel Ball (Φ2.5mm)	58
17	POWR19-017	Washer	1
18	POWR19-018	Spring (d:Φ2.6)	1
19	POWR19-019	Bushing	1
20	POWR19-020	Washer	1
21	POWR19-021	Bushing	1
22	POWR19-022	Anvil	1
23	POWR19-023	Pin (Φ2x4.1)	1
24	POWR19-024	Steel Ball (Φ4.763mm)	5
25	POWR19-025	Retaining Ring	1
26	POWR19-026	Retaining Ring	1
27	POWR19-027	Spring	1
28	POWR19-028	Pin (Φ2x8)	1
29	POWR19-029	Pin	1
30	POWR19-030	Hammer Cam	1
31	POWR19-031	Bushing	1
32	POWR19-032	Ball Bearing (1226)	1
33	POWR19-033	Stopping Wheel	1
34	POWR19-034	Ball Bearing (6000-2Z)	1
35	POWR19-035	O-Ring (P28x2)	1
36	POWR19-036	Gear Ring	1
37	POWR19-037	Washer	1
38	POWR19-038	Pin (Φ3x8)	6
39	POWR19-039	Gear	6
40	POWR19-040	Washer	1

No.	Parts No.	Description	Q'ty
41	POWR19-041	Gear	2
42	POWR19-042	Gear Ring	1
43	POWR19-043	Gear Ring	1
44	POWR19-044	Washer	1
45	POWR19-045	Driver	1
46	POWR19-046	Ball Bearing (606-2Z)	1
47	POWR19-047	Front Plate	1
48	POWR19-048	Pin (Φ2x10)	1
49	POWR19-049	Pin (Φ2x14)	1
50	POWR19-050	Cylinder	1
51	POWR19-051	Rotor	1
52	POWR19-052	Rotor Blade	5
53	POWR19-053	Rear Plate	1
54	POWR19-054	Ball Bearing (696-2Z)	4
55	POWR19-055	Valve Rod	1
56	POWR19-056	Bushing	1
57	POWR19-057	Handle	1
58	POWR19-058	Bushing	1
59	POWR19-059	Pin (Φ3x4)	1
60	POWR19-060	Spring	1
61	POWR19-061	Retaining Ring	1
62	POWR19-062	Reverse Valve	1
63	POWR19-063	Switch Lever	1
64	POWR19-064	Pin (Φ4.0x22)	1
65	POWR19-065	Bushing	1
66	POWR19-066	Hook	1
67	POWR19-067	Pin (Φ3x24)	1
68	POWR19-068	Washer	1
69	POWR19-069	Spring	1
70	POWR19-070	Switch	1
71	POWR19-071	O-Ring (P10x1.5)	2
72	POWR19-072	Washer	1
73	POWR19-073	Valve Rod	1
74	POWR19-074	Spring	1
75	POWR19-075	Muffler	1
76	POWR19-076A	Air Inlet (PT)	1
	POWR19-076B	Air Inlet (NPT)	1
77	POWR19-077	Bushing	1
78	POWR19-078	Front Cap	1
79	POWR19-079	Ball Bearing (689)	1
80	POWR19-080	Ball Bearing (HK162216)	1
81	POWR19-081	Driving Rod	1
82	POWR19-082	Screw	2
83	POWR19-083	Oil Cup	1
84	POWR19-084	L Head	1
85	POWR19-085	Screw	1
86	POWR19-086	Pin (Φ6x15.8)	2
87	POWR19-087	Steel Ball (Φ4mm)	1
88	POWR19-088	Driving Rod	1
89	POWR19-089	Washer	1
90	POWR19-090	Screw	3
91	POWR19-091	Washer	3
92	POWR19-092	Nut	1
93	POWR15-093	Gear Casing Cover	1
94	POWR19-094	Screw	6
95	POWR19-095	Gear	4
96	POWR19-096	Pin (Φ6x12)	5
97	POWR15-097	Ratchet Gear	1
98	POWR19-098	Gear	1
99	POWR19-099	Spring	1
100	POWR15-100	Checker	1
101	POWR19-101	Pin (Φ4x16)	1
102	POWR15-102	Gear Casing	1