



SUMAKE PNEUMATIC TOOLS



Lever Start Direct Air Screwdriver (Button Type) PLBD060

Specification:

Free Speed	1,500 r/min
Stall Torque	6.0N-m (4.4ft-lb)
Air Consumption	9.5 CFM (270 L/min)
Overall Length	10-1/4" (260mm)
Air Inlet (PT)	1/4" (6.35 mm)
Air Hose (I.D.)	3/8" (10 mm)
Air Pressure	90 psi (6.3 bar)
Net Weight	0.87kg(1.92lb)

Noise and Vibration:

Vibration EN ISO 28927-2	Noise EN ISO 15744	Remark
No Load: 1.1 m/s ² Uncertainty K= 1.5 m/s ²	Sound Pressure Level No load: 78 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level No load: 89dB(A)	
	Uncertainty K= 3dB	

SUMAKE INDUSTRIAL CO., LTD

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PLBD060-S-2509A-OPF



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 : **LEVER START DIRECT AIR SCREWDRIVER (BUTTON TYPE)**

Model/ Serial No. : **PLBD060**

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

2025/9/9

Taipei, Taiwan

PLBD060-D-2509A-OPF

Foreword

Sumake is a manufacturer and exporter of air tools since established. We have devote all our efforts in improving quality and tools' life. As well as the noise and vibration of tools. Bring all of you working efficiencies, profits, and enjoy using the tool is our principle.

Operator's instruction

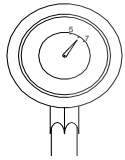
1. Main Applications

This assembly tool is the perfect one to which the work of setting aluminum windows, doors, slabs of automobiles, and other kinds of setting use.

2. Cautions for Use

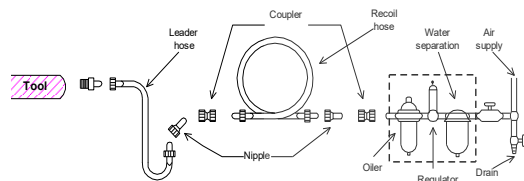
2-1 Air pressure

Maximum performance is displayed at the proper sanding speed, obtainable at a gauge pressure of 6.2 bar. Range-wise, this is an air pressure from 5 to 7 bar (70 to 100 psi)



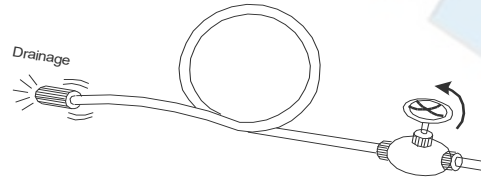
2-2 Air line

Use a 3/4" air hose between the compressor and the tool. Compressed air is cooled and its water content separated, as soon as the air leaves the compressor. A portion of the water content, however, is condensed in the piping, and can enter the tool mechanism, and may cause trouble. So, install an air filter and on oiler between the compressor and the tool. Use a 3 HP or larger compressor for each sander.



2-3 Air hose

Clean the hose with a blast of compressed air before connecting the hose to air tool. This will prevent both moisture and dust within the hose from entering the tool and causing possible rust or malfunction. To compensate for unusually long hose (over 25 ft), the line pressure should be increased accordingly.



2-4 Inserted tools

Use only the socket or adapter which are in good condition for use. The intended socket and adapter for this air tool could are stated as "Square Drive" on the specification list.

2-5 The approved eye protector, ear-muff, mouth-muffle, and gloves shall be worn when operate this tool.

2-6 The working place shall be ventilative.

2-7 Release the on-off device in the case of energy supply failure.

3. Operation Method

3.1 On-off device

The on-off device is on the inner or outer contour of the grip. It is a "hold-to-run" type. This tool stops rotation within few sec, after releasing the lever. For the sake of safety, place it on a level plate or on hanger after it completely stops.

3.2 Torque Adjuster

You can adjust the torque by rotating the knob which indicated by 1 to 6. "1" indicates the smallest torque output and "6" indicts the largest torque output.

3.3 Rotating Direction

One shall make sure the direction of rotation before actuate this tool. The "F" indicts forward and the "R" indicts reverse. Forward is defined as clockwise direction seen from the

operator position.

4. Maintenance

4-1 Lubrication

Before connecting the hose, apply 4 or 5 drops of #60 spindle oil at the air inlet. Use of a thicker oil can lead to reduced performance or malfunction. If a thicker oil is used by accident, wash it away immediately. Also, every 3 or 4 hours of operation, oiling is necessary.

4-2 Storage

Avoid storing the tool in a location subject to high humidity. If the tool is left as it is used, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool at the air inlet with spindle oil and run it for a short time.

4-3 Disposal

If the tool is too seriously damaged to be used anymore, drop it in a resource recycling can. Never drop it into fire.

4-4 Ordering service Parts

For further operational and handling information or for replacement of parts and components, contact the sale agent from whom you purchased the tool or the service division of our company.

* In ordering parts and components, give each part number, name and quantity.

Warning

1. The power toll shall not be used in potentially explosive atmospheres.
2. Disconnect the air hose before changing or adjusting any inserted tools.
3. Prevent long hair or loose clothing from drawing in while operate this tool.
4. Keep your body in well balanced position and always wear gloves to reduce the risk of crushing caused by torque between handle and workpiece.
5. Unexpected direction of rotating could cause a hazardous situation.
6. Slip/Trip/Fall is a major reason of serious injury or death. Beware of excess hose left on the walking or work surface.
7. Wearing eye/face protector could reduce the

danger to person from high speed splinters being emitted from this tool in the case of inserted tool failure or emitted from the workpiece.

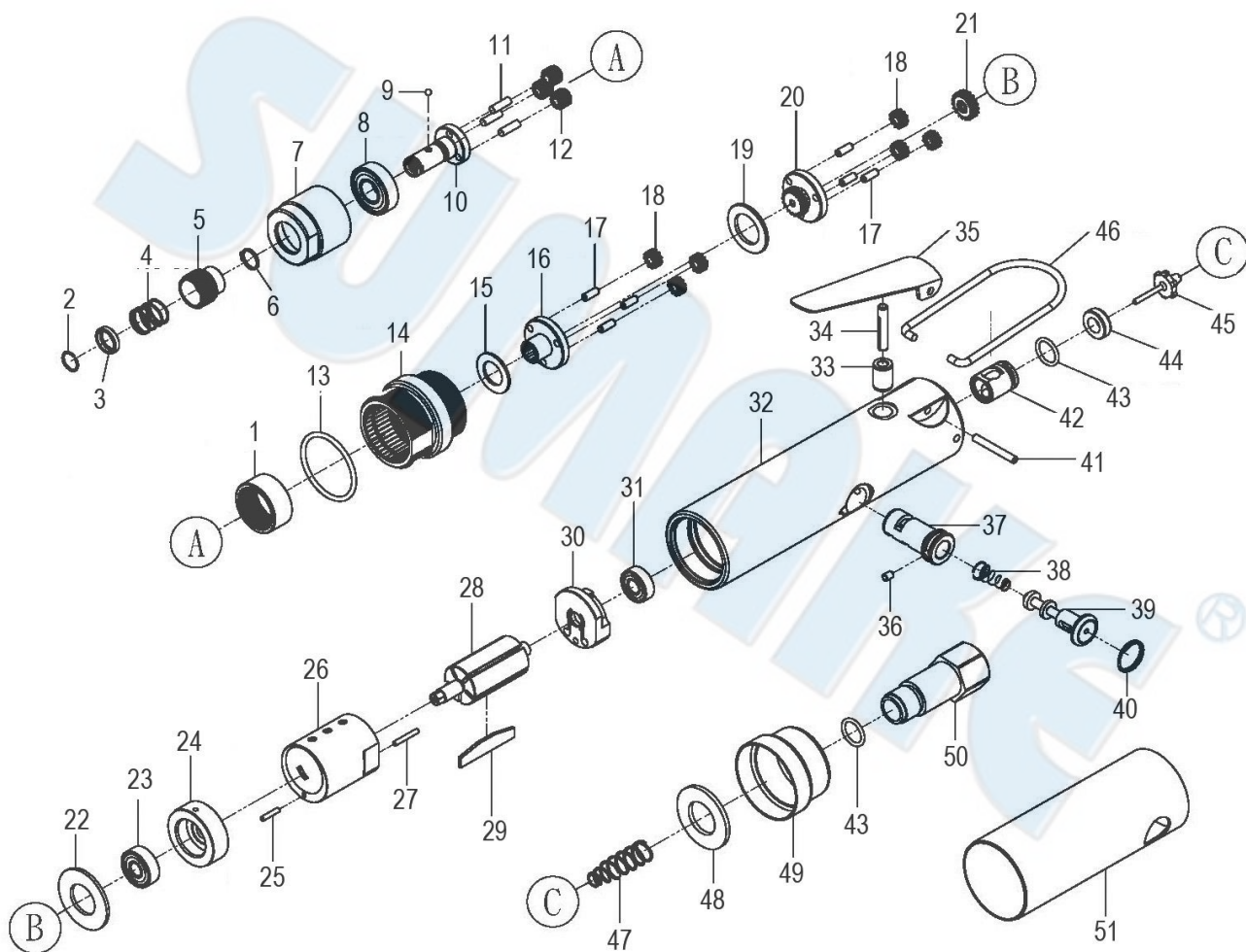
8. Wearing mouth-muff could avoid inhaling dust or handling debris from work process that can be harmful to your health.

9. Excessive high air pressure and too much free rotation may speed the wear of this tool and might cause danger situation.



PLBD060

LEVER START DIRECT AIR SCREWDRIVER (BUTTON TYPE)



PARTS LIST

No.	Parts No.	Description	Q'ty	No.	Parts No.	Description	Q'ty
1	PLBD060-01	Gear Ring	1	27	PLBD060-27	Pin (Φ2x14)	1
2	PLBD060-02	Retaining Ring	1	28	PLBD060-28	Rotor	1
3	PLBD060-03	Washer	1	29	PLBD060-29	Rotor Blade	5
4	PLBD060-04	Spring	1	30	PLBD060-30	Rear Plate	1
5	PLBD060-05	Bushing	1	31	PLBD060-31	Ball Bearing (696-2Z)	1
6	PLBD060-06	Stopping Wheel	1	32	PLBD060-32	Handle	1
7	PLBD060-07	Front Cap	1	33	PLBD060-33	Bushing	1
8	PLBD060-08	Ball Bearing (6001-2Z)	1	34	PLBD060-34	Pin (Φ4.0x22)	1
9	PLBD060-09	Retaining Ring	1	35	PLBD060-35	Switch Lever	1
10	PLBD060-10	Anvil	1	36	PLBD060-36	Pin (Φ3x4)	1
11	PLBD060-11	Pin (Φ4x13)	3	37	PLBD060-37	Bushing	1
12	PLBD060-12	Gear	3	38	PLBD060-38	Spring	1
13	PLBD060-13	O-Ring (P28x2)	1	39	PLBD060-39	Reverse Valve	1
14	PLBD060-14	Gear Ring	1	40	PLBD060-40	Retaining Ring	1
15	PLBD060-15	Washer	1	41	PLBD060-41	Pin (Φ3x24)	1
16	PLBD060-16	Gear Ring	1	42	PLBD060-42	Switch	1
17	PLBD060-17	Pin (Φ3x8)	6	43	PLBD060-43	O-Ring (P10x1.5)	2
18	PLBD060-18	Gear	6	44	PLBD060-44	Washer	1
19	PLBD060-19	Washer	1	45	PLBD060-45	Valve Rod	1
20	PLBD060-20	Gear Ring	1	46	PLBD060-46	Hook	1
21	PLBD060-21	Gear	1	47	PLBD060-47	Spring	1
22	PLBD060-22	Washer	1	48	PLBD060-48	Muffler	1
23	PLBD060-23	Ball Bearing (606-2Z)	1	49	PLBD060-49	Silencer	1
24	PLBD060-24	Front Plate	1	50	PLBD060-50A	Air Inlet (18NPT)	1
25	PLBD060-25	Pin (Φ2x10)	1		PLBD060-50B	Air Inlet (19PT)	1
26	PLBD060-26	Cylinder	1	51	PLBD060-51	Bushing	1