INSTRUCTION MANUAL

#79620

AIR POWER BUDDY (APB)
LOW SPEED AIR BUFFER

WARNING!

You need to read and understand this manual before using, installing, repairing, maintaining, changing accessories on, or working near this tool. The information this manual contains relates to protecting your safety and preventing problems.

Safety Instructions

• We design and produce safe and efficient power tools. Keep in mind that your personal safety is your responsibility! Safety is a combination of common sense, staying alert, and knowing how your tool works. This combined with respect for the tool will help reduce the risk of injury. The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur, but we have listed the most important ones.
• This tool may only be installed, adjusted, or used by a trained and qualified operator who has read these instructions.
• You may not reconstruct, self-repair, or disassemble the tool or the accessories.
• Check the tool from time to time for damage. Never use the tool if it shows signs of damage.
• Read and understand all warnings posted on the tool. Failure to comply with all these warnings may cause serious injury. Replace immediately warning labels or necessary technical information about the rated speed, operating pressure, etc. if they become obscured, removed, or have been lost.

Additional Safety Instructions

For Additional Safety Information Consult:
• All other documents, guides, information, or instructions provided in the package of this tool.
• Available on the internet:
  - “Safety Code for Portable Air Tools” (ANSI 3186.1) at http://global.ihs.com/
  - http://www.ansi.org/ (for obtaining ANSI standards)
  - http://www.osha.gov (USA)
  - http://europe.osha.eu.int (Europe)
• Your employer union and/or trade association.

Hazards: Air Supply & Connections

- Air under pressure is dangerous and can cause severe injury.
- Never direct air under pressure at yourself or anyone else.
- Before using the tool, always check for damaged or loose hoses and fittings. A whipping hose can cause serious injury.
- Never use quick disconnect couplings with this tool and when universal twist couplings are used, lock pins must be installed.
- Never exceed the maximum air pressure of 90 psi/6.3 bar or the air pressure as stated on the nameplate attached to the tool. Higher pressures may cause damage and excessive wear of the tool.
- Shut off the air supply and discharge any residual pressure from the tool:
    - when not in use
    - before removing the hose
    - before making adjustments
    - before changing accessories
    - when performing maintenance

Hazards: Risk of Entanglement

- Dress properly. Loose clothing, long hair, and jewelry are all dangerous because they can become entangled in moving tools. This can also result in parts of the body being pulled into the tool.
Clothing should be close fitting, with any long hair tied back and jewelry and neckties removed.
- Do not wear loose-fitting gloves or gloves with cut or frayed fingers or hanging threads. Gloves can become entangled with rotating parts, causing severed or broken fingers.
- Rotating burrs and stones are dangerous, never hold them. They can easily entangle rubber-coated or metal reinforced gloves

Hazards: Projectiles

- Failure of the workpiece, of accessories, or even of the tool itself may generate high-velocity projectiles.
- Small projectiles can injure eyes and cause blindness. You and all others in the area must wear personal protective equipment (PPE) such as approved safety goggles (impact-resistant) or a face shield when you are:
    - using the tool
    - repairing or maintaining the tool
    - changing accessories on the tool

Hazards: Projectiles Continued

- Never mount a grinding wheel, cut-off wheel, or router cutter on a die grinder or tire buffer. A grinding wheel or other accessory that bursts can cause severe injury or death.
- Never operate the tool not applied to the work. It may run too fast and cause the attachment to be thrown off the tool. An attachment must be securely attached. Loose attachments can cause serious injury.
- Ensure that the workpiece is securely fixed. If necessary, use clamps or proper devices to securely fix the workpiece.
- Assemblies requiring a specific torque must be checked using a torque meter. Over-torqued or under-torqued fasteners, can break, get loose, and separate from the tool. Released parts can become dangerous projectiles. Keep in mind that “click” torque wrenches do not check for potentially dangerous over-torque conditions.
- Damaged, worn or incorrectly mounted accessories can cause higher vibration. To reduce exposure to vibration, ensure burring tools are sharp and this tool and all accessories are in proper working condition.

Hazards: Accessories

- The grinding and buffering accessory's rated speed must be equal to or greater than the speed of the die grinder. Only the properly provided (or approved) accessory retainers.

Hazards: Operating the Tool

- Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate any tool.
- Concentrate and stay alert. Distractions are likely to cause an accident. Keep children and bystanders away or at a safe distance while operating the tool. Give your work undivided attention. Looking around, carrying on a conversation, and mischief are careless acts that can result in serious injury.
- Always operate and hold the tool correctly: posture and stance must be such as to be able to counteract normal or sudden movements.
- Always ensure that the workpiece is firmly secured leaving both hands free to control the tool.

Hazards: Operating the Tool Continued

• Always check you can handle the weight and power of the tool before use. If you cannot handle the tool comfortably do not use the tool.
• Do not use the tool:
- with reduced air pressure (the clutch may not operate, resulting in sudden rotation of the tool handle).
- in a worn condition.
- if it is defective or operating abnormally.

• Be in control of the throttle at all times. Do not get caught between the tool and the work. The tool and/or accessories may briefly continue their motion after the throttle is released.
• Do not use the tool on a ladder or unstable supports. Stable footing on a solid surface enables better control of the tool in unexpected situations

Operating Instructions

Before operating the tool, make sure you are familiar with its components and safety guidelines. Here's a step-by-step guide on how to use an air buffer safely and effectively:

Step 1, Safety Precautions:
• Personal Protective Equipment (PPE): Wear appropriate PPE, including safety glasses, hearing protection, and work gloves to protect yourself from flying debris and loud noise.
• Secure Work Area: Ensure you're working in a stable and clutter-free environment. Make sure the workpiece is properly secured to prevent movement.
• Air Supply: Check the air compressor for proper pressure and ensure it is connected securely to the air buffer.

Step 2, Connect the Air Buffer:
• Air Inlet Connection: Attach the air hose to the air inlet of the air buffer by aligning the connectors and pushing them together firmly. Secure with the locking mechanism, if applicable.
• Air Pressure Adjustment: Adjust the air compressor's pressure to the recommended level for your specific air buffer model. Refer to the manufacturer's guidelines for the correct pressure range.

Step 3, Operating the Air Buffer:
• Trigger Control: Gently squeeze the trigger to start the tool. Gradually increase pressure on the trigger to control the speed of the air buffer
• Operation: Once the tool is properly aligned, apply steady pressure on the lever. The air buffer will deliver continuous rotational force to apply the characteristics of the accessory whether it be buffing or grinding.

Operating Instructions Cont.

Step 4, Switching Between Grinding Accessories:

- Release Trigger: Release the trigger when you're done buffing, grinding, or polishing.
- Accessories: Use the correct mounted stones or carbide burrs, with the correct spindle diameter and RPM rating.
- Disconnect Air Supply: Disconnect the air hose from the air buffer when switching between tasks or storing the tool.

Step 5, Maintenance and Storage:

- Cleaning: Regularly clean the air buffer to remove dirt, debris, and oil buildup. Wipe down the tool's exterior and use compressed air to blow out internal components.
- Lubrication: Apply a few drops of air tool oil into the air inlet before and after each use to keep the internal parts lubricated.
- Storage: Store the air buffer in a clean and dry place, away from direct sunlight and extreme temperatures.

Remember, proper training and practice are essential for safe and efficient use of an air buffer. Always refer to the manufacturer's user manual and follow safety guidelines to prevent accidents and ensure the longevity of the tool.

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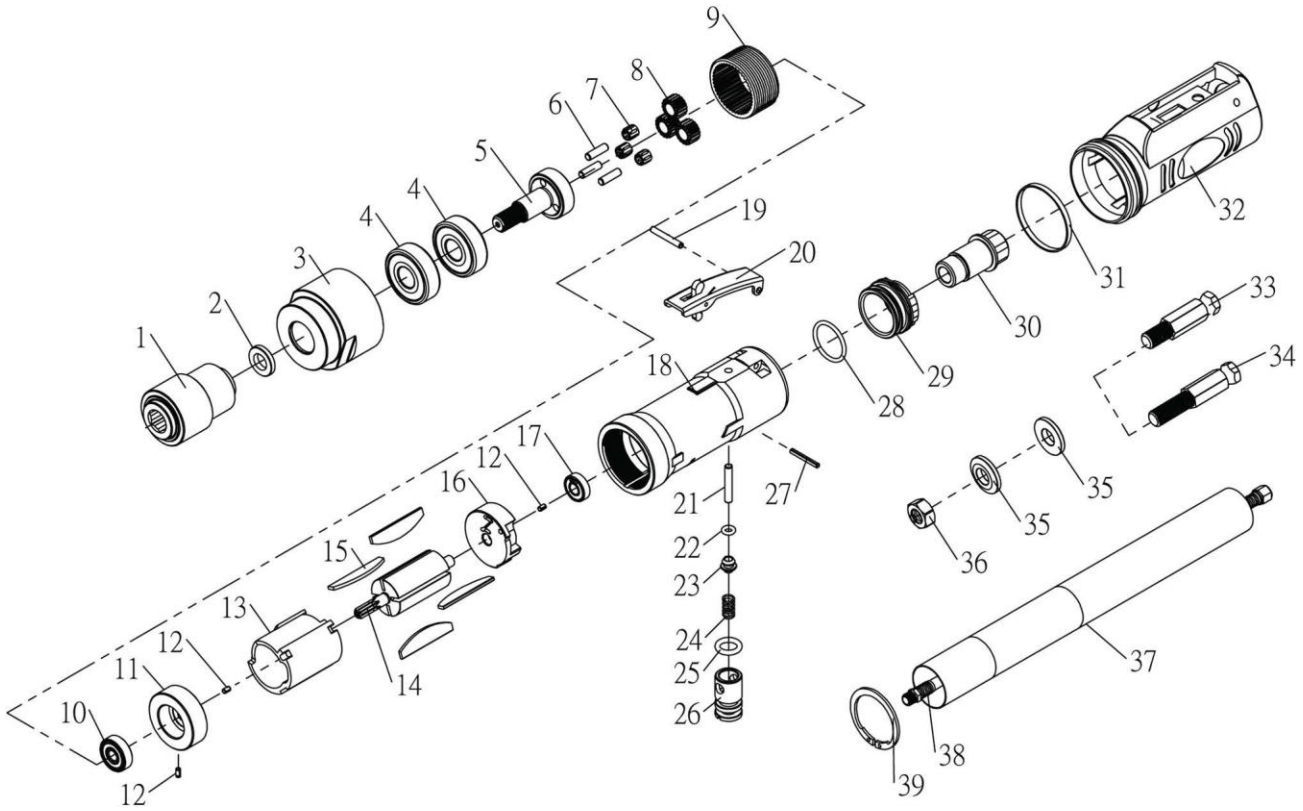
Parts Breakdown



DRAWING NO.	PRODUCT NO.	DESCRIPTION	QUANTITY	DRAWING NO.	PRODUCT NO.	DESCRIPTION	QUANTITY
1	79620-1	Change Sleeve Assembly	1	20	79620-20	Safety Lever Assembly	1
2	79620-2	Chuck Spacer	1	21	79620-21	Parallel Pin	1
3	79620-3	Bearing Housing	1	22	79620-22	O-Ring	1
4	79620-4	Ball Bearing	2	23	79620-23	Throttle Valve	1
5	79620-5	Planet Carrier	1	24	79620-24	Valve Spring	1
6	79620-6	Pin (Φ 4x 13.8)	3	25	79620-25	O-Ring	1
7	79620-7	Needle Bearing	3	26	79620-26	Valve Screw	1
8	79620-8	Planet Gear	3	27	79620-27	Spring Pin	1
9	79620-9	Internal Gear	1	28	79620-28	O-Ring	1
10	79620-10	Ball Bearing	1	29	79620-29	Exhaust Sleeve	1
11	79620-11	Front Plate	1	30	79620-30	Inlet Bushing	1
12	79620-12	Spring Pin	3	31	79620-31	"O" Rubber band	1
13	79620-13	Cylinder	1	32	79620-32	Grip	1
14	79620-14	Rotor	1	33	79620-33	Adapter	1
15	79620-15	Rotor Blade	4	34	79620-34	Adapter	1
16	79620-16	Rear End Plate	1	35	79620-35	Washer	2
17	79620-17	Ball Bearing	1	36	79620-36	Nut	1
18	79620-18	Housing	1	37	79620-37	Exhaust Hose	1
19	79620-19	Spring Pin	1	38	79620-38	Air Hose Assembly 1/4"	1
				39	79620-39	Snap Ring	1