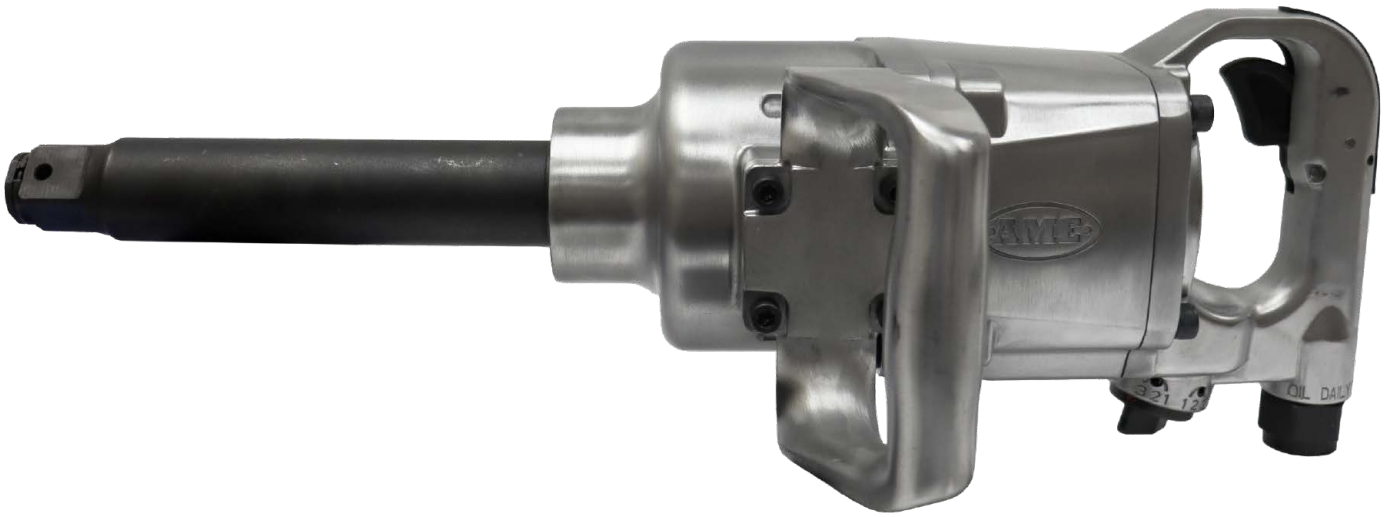
INSTRUCTION MANUAL

#79730

AIR POWER BUDDY (APB) 1” DRIVE PREMIUM AIR IMPACT WRENCH



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 of 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 drive sockets and drive extensions 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

• Use only impact wrench sockets and accessories in good condition. Do not use standard sockets. Sockets in poor condition or hand sockets and accessories used with impact wrenches can shatter. Always ensure that the socket is correctly installed onto the tool anvil before starting the tool.
• 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.
• Use only impact wrench sockets and accessories in good condition. Do not use standard sockets. Sockets in poor condition or hand sockets and accessories used with impact wrenches can shatter. Always ensure that the socket is correctly installed onto the tool anvil before starting the tool.

Hazards: Accessories

• Use only the proper provided (or approved) accessory retainers. Use deep sockets wherever possible.
• We advise you to use always the simplest hook-up possible. Long, springy extension bars and adapters absorb impact power and could break. Use deep sockets wherever possible.
• When you have tools using the pin and O—ring socket retention system, use the O-ring to retain the socket pin securely.

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 do 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

Hazards: Vibrations & Noise

• Wear ear protectors (plugs or muffs) if the noise exceeds safe levels. High sound levels can cause permanent hearing loss and other problems such as tinnitus.
• This tool may cause the “hand-arm vibration syndrome”. Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms. If numbness, tingling, pain, or whitening of the skin occurs, discontinue the use of the tool, tell your employer, and consult a physician. We recommend a program of health surveillance to detect early symptoms which may relate to noise or vibration exposure so that the management procedure can be modified to help prevent future impairment.
• Do not use this tool for prolonged periods. Take regular breaks. Use gloves to provide extra cushioning to avoid any injury from the vibrations of the tool.
• When working in cold conditions, we recommend wearing warm clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers, etc.
• Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
• Support the weight of the tool in a stand, tensioner, or balancer, because the operator can then use a lighter grip to support the tool.
• Hold the tool with a light but safe grip taking account of the required hand reaction forces, because the risk from vibration is generally greater when the grip force is higher.
• Operate and maintain the tool as recommended in the instructions, to prevent an unnecessary increase in vibration.
• Select, maintain and replace the consumables/accessories as recommended in the instructions, to prevent an unnecessary increase in vibration levels.
- Do not use worn or ill-fitting screwdriver bits, sockets, or extensions.
- Do not touch sockets or accessories during impacting.

Hazards: Vibrations & Noise

• Be familiar with the work area.
• Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
• Excess air hose left on the walking or work surface may cause tripping hazards. Keep the hose away from traffic areas. Slipping/Tripping/Falling is a major cause of serious injury or death.
• Dust from some work processes can cause cancer, birth defects, or other respiratory diseases. Risk assessment of these hazards and implementation of appropriate controls are essential. If raising dust, wear a suitable mask or use dust extraction.
• Dust and fumes generated when using power tools can cause ill health (for example cancer, birth defects, asthma, and/or dermatitis); risk assessment of these hazards and implementation of appropriate controls are essential. Risk assessment should include dust created by the use of the tool and the potential for
disturbing existing dust.
• Proceed with care in unfamiliar surroundings. Always be aware of potential hazards created by your work activity.
• The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
• The tool is not intended for use in potentially explosive atmospheres or near flammable objects.

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 impact wrench 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 work-piece is properly secured to prevent movement.
• Air Supply: Check the air compressor for proper pressure and ensure it is connected securely to the impact wrench.

Step 2, Connect the Air Impact Wrench:
• Air Inlet Connection: Attach the air hose to the air inlet of the impact wrench 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 impact wrench model. Refer to the manufacturer's guidelines for the correct pressure range.

Operating Instructions Cont.

Step 3, Operating the Air Impact Wrench:

• Direction Control: Most air impact wrenches have a direction control switch to toggle between forward (tightening) and reverse (loosening) modes. Make sure the switch is in the desired position before operation.

• Trigger Control: Gently squeeze the trigger to start the tool. Gradually increase pressure on the trigger to control the speed of the impact wrench.

• Alignment: Position the impact wrench's socket squarely onto the nut or bolt you want to work on. Ensure a secure and snug fit to prevent slipping.

• Operation: Once the socket is properly aligned, apply steady pressure on the trigger. The impact wrench will deliver repeated hammering impacts to loosen or tighten the fastener.

Step 4, Switching Between Fasteners:

• Release Trigger: Release the trigger when you're finished tightening or loosening the fastener.

• Disconnect Air Supply: Disconnect the air hose from the impact wrench when switching between tasks or storing the tool.

Step 5, Maintenance and Storage:

• Cleaning: Regularly clean the impact wrench 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 impact wrench 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 impact wrench. 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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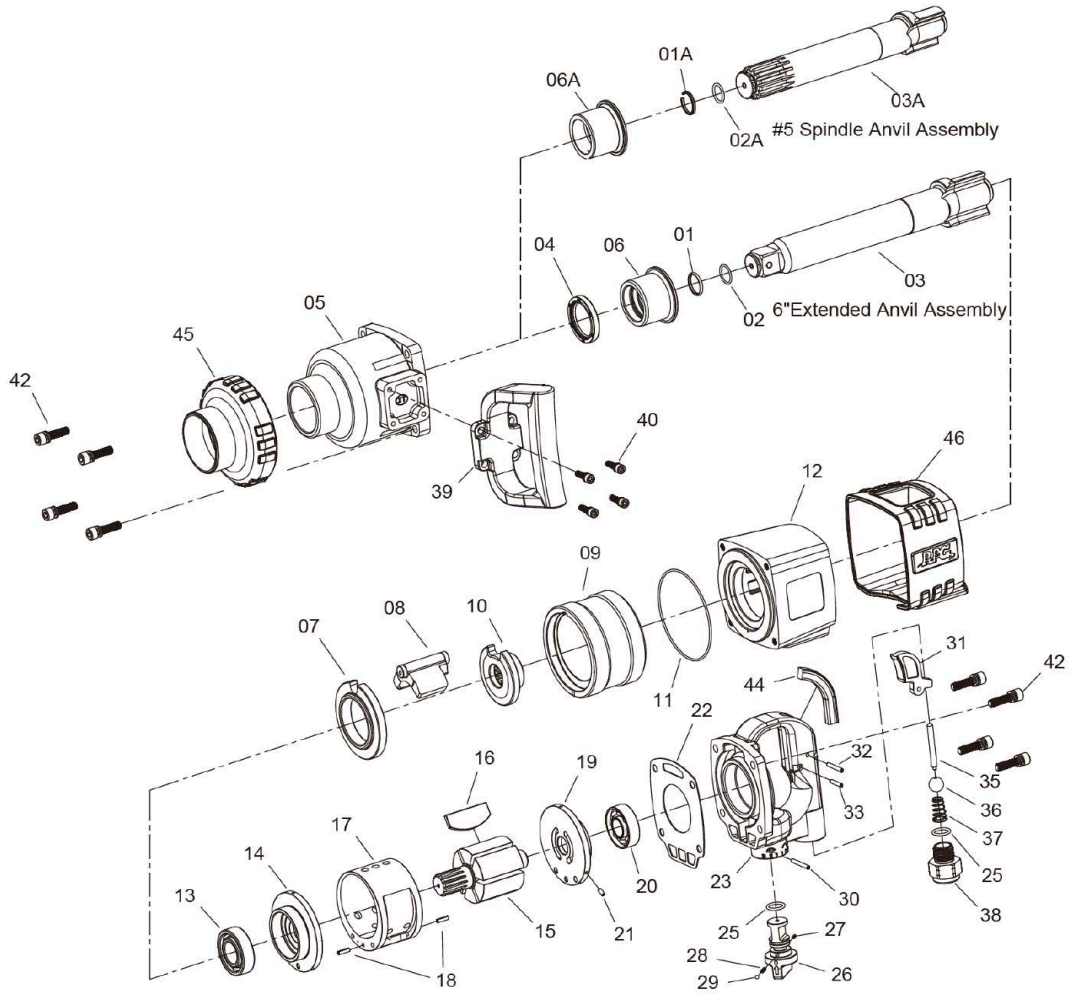
Parts Breakdown



DRAWING NO.	PRODUCT NO.	DESCRIPTION	QUANTITY
1	79730-001	Socket Retainer	1
2	79730-002	O-Ring	1
3	79730-003	6” Extended Anvil Assembly (includes 1 & 2)	1
4	79730-004	Oil Seal for 6” Extended Anvil Assembly	1
5	79730-005	Hammer Case Assembly (includes 4 & 6)	1
6	79730-006	Bushing	1
7	79730-007	Bushing	1
8	79730-008	Hammer	1
9	79730-009	Hammer Frame	1
10	79730-010	Hammer Cam	1
11	79730-011	O-Ring	1
12	79730-012	Housing	1
13	79730-013	Ball Bearing	1
14	79730-014	Front End Plate Assembly (includes 13)	1
15	79730-015	Rotor	1
16	79730-016	Rotor Blade	6
17	79730-017	Cylinder	1
18	79730-018	Spring Pin	2

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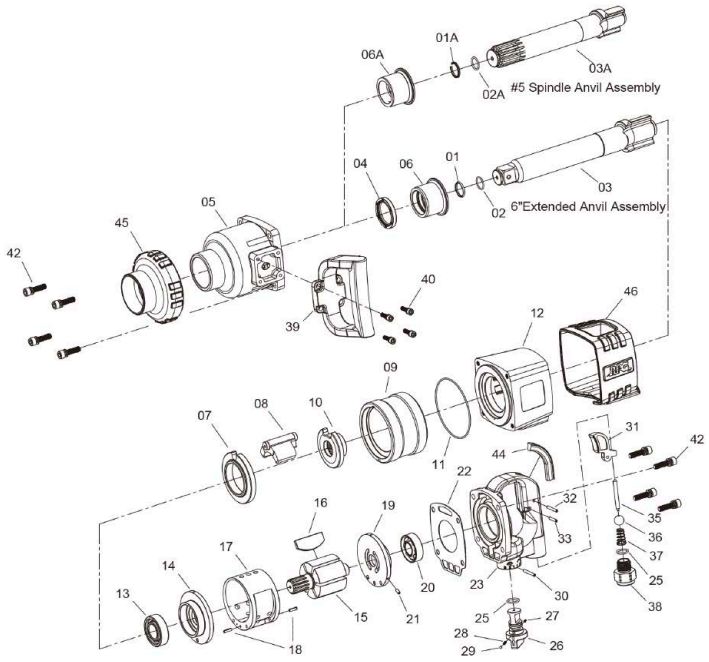

DRAWING NO.	PRODUCT NO.	DESCRIPTION	QUANTITY
19	79730-019	Rear End Plate Assembly	1
20	79730-020	Ball Bearing	1
21	79730-021	Spring Pin	1
22	79730-022	Gasket	1
23	79730-023	Back-head Assembly	1
25	79730-025	O-Ring	2
26	79730-026	Reverse Valve Assembly (includes 27)	1
27	79730-027	Spring Pin	1
28	79730-028	Spring	1
29	79730-029	Steel Ball	1
30	79730-030	Spring Pin	1
31	79730-031	Inside Trigger	1
32	79730-032	Spring Pin	1
33	79730-033	Spring Pin	1
35	79730-035	Valve Stem	1
36	79730-036	Plastic Ball	1
37	79730-037	Spring	1
38	79730-038	Air Inlet	1
39	79730-039	Side Spade Handle	1
40	79730-040	Screw	4
42	79730-042	Screw	8
44	79730-044	Rubber Cap	1
45	79730-045	Rubber Ring	1
46	79730-046	Rubber Grip	1
1A	79730-001A	Socket Retainer	1
2A	79730-002A	O-Ring	1
3A	79730-003A	Spline Anvil Assembly	1
5	79730-005	Hammer Case Assembly	1
6A	79730-006A	Bushing	1
TK	79730-TK	Tune-Up Kit (includes 10, 11, 15, 18, 19, 20, 24, 32, 36, 37)	1