AxSand

OPERATOR'S MANUAL

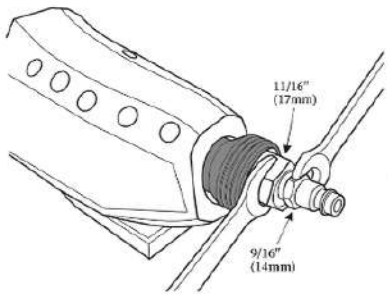
Straight Line Sander AX-K03

the operator's manual before using this product.

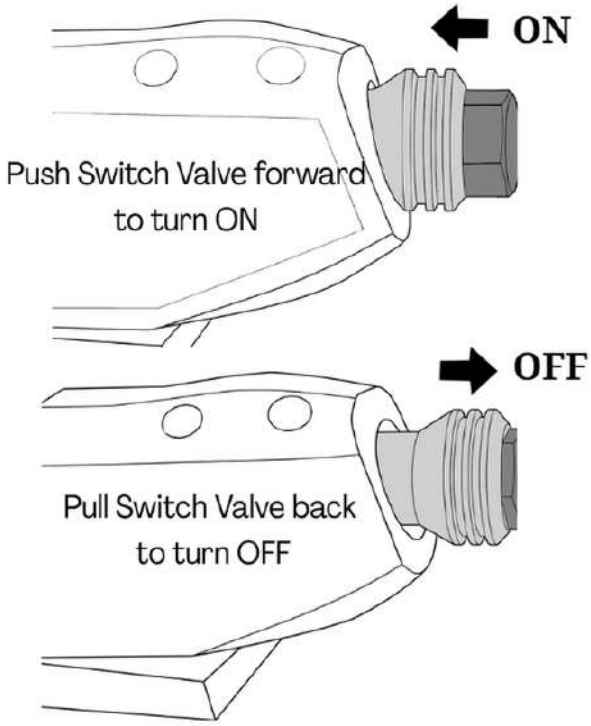
⚠WARNING To reduce the risk of injury, the user must READ and UNDERSTAND

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

info@ax-sand.com



When connecting the tool, please use two wrenches. One to secure the body, and the other to tighten the connector. Do not tighten directly without securing the body, as this may cause damage to the machine.



Note:

★ **Do not exceed 90psi**,
as this will easily damage the parts.
Suitable operating pressure is 50psi to 90psi.

★ If pushing Switch Valve forward does not start the tool, first disconnect the air supply. Then gently shake the tool up and down once or twice, reconnect the air supply, and try again.

Reason:

If the piston stops exactly at the center position, it may block the air path to the cylinder and prevent start-up. This is normal and not a malfunction.

Caution:

The piston requires a sudden burst of airflow to activate. Installing a flow control valve may prevent proper airflow and cause the tool to malfunction. Therefore, the use of an air regulator valve is not recommended.

Routine Maintenance:

After each use, add approximately **5 drops** of pneumatic tool oil into the **air inlet**. Reconnect the air supply and run the tool for **10–15 seconds** to circulate the lubricant. A small amount of oil may discharge from the **exhaust**—use caution.

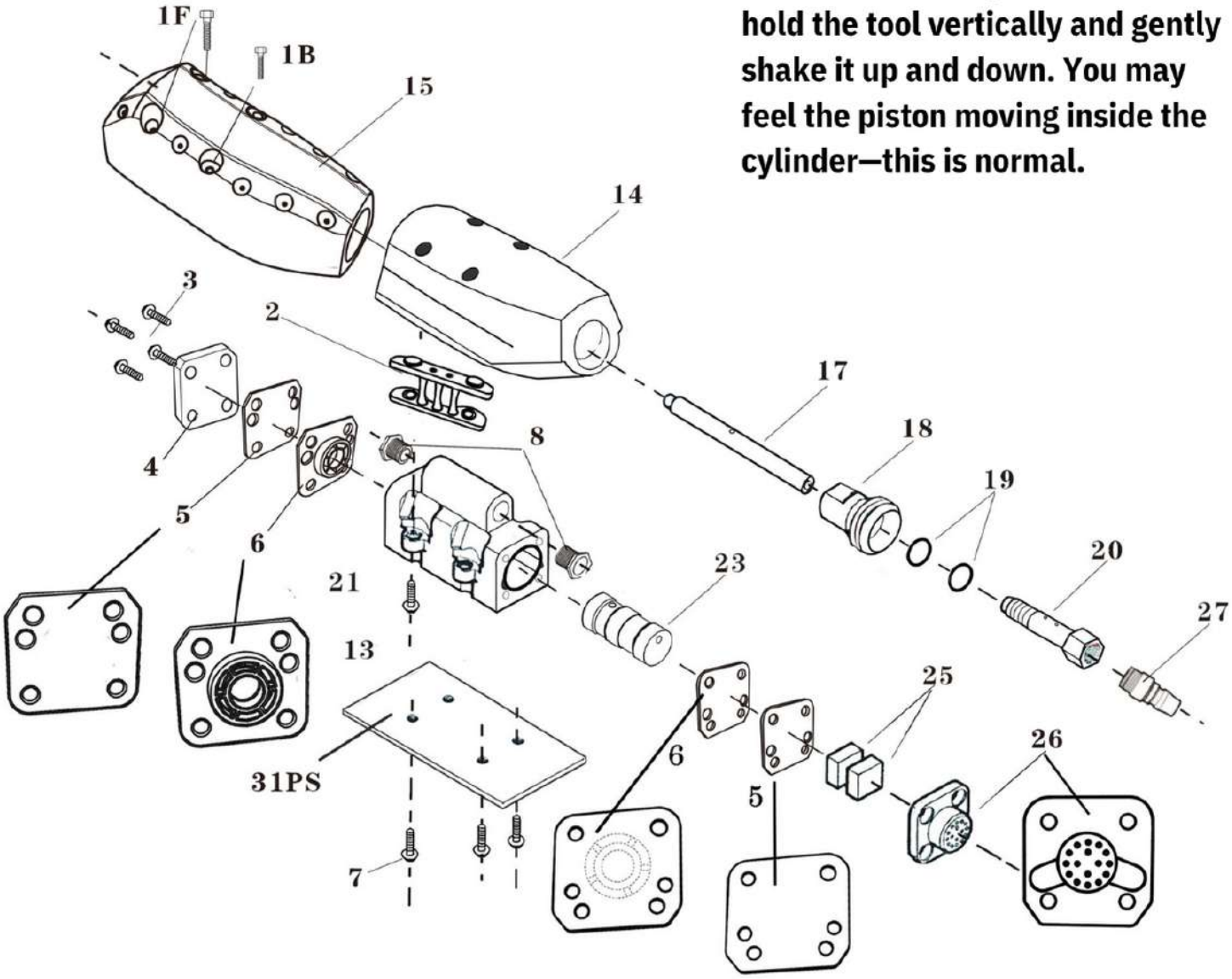
When finished, **disconnect the air supply** and wipe off any excess oil or debris. Store the tool in its **original packaging** or a **protective storage case** in a **clean, and a dry** environment.

⚠ Important:

Using the tool with worn or torn sandpaper will damage the hook & loop surface of the backing pad. This may cause the sandpaper to lose proper grip and affect overall performance. Replace sandpaper immediately when worn.

Parts Breakdown

Before connecting the air supply, hold the tool vertically and gently shake it up and down. You may feel the piston moving inside the cylinder—this is normal.



Noted:

Parts No. 2, 5, 6, and 26 must be installed exactly as shown in this diagram.
Parts No. 5 and No. 6 use two pieces each, and the front/rear orientations are opposite.
If the orientation is incorrect, the unit will not operate.

- **Front-left (Parts No. 5 & 6):** Install with the beveled edge facing up.
- **Rear-right (Parts No. 5 & 6):** Install with the beveled edge facing down.
- **Part No. 26:** Install with the guide groove facing down.
- **Part No. 31:** Multiple specifications available (various options).

AX-K03

Parts List

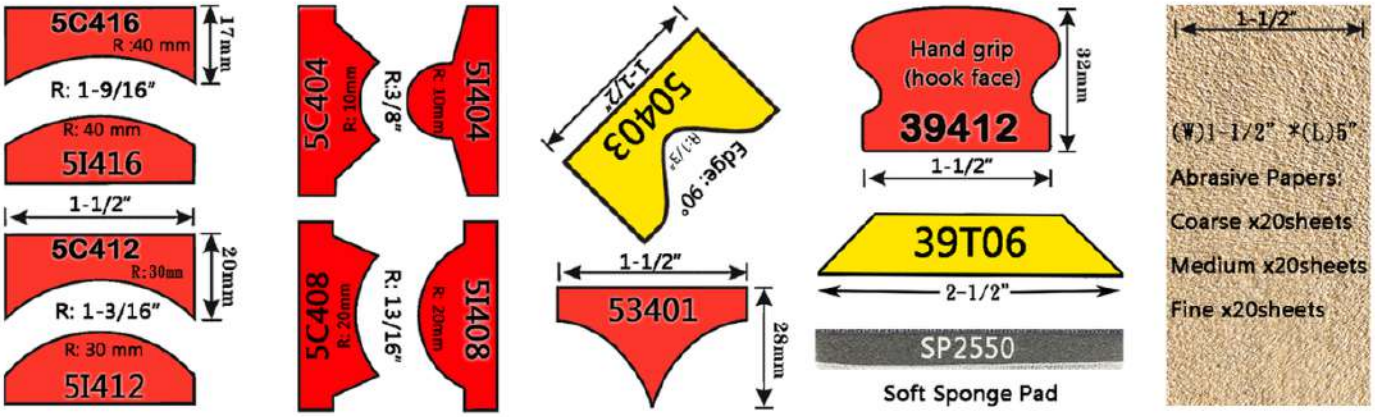
No.	Parts No.	Parts Name	Qty
1	**1F**	Handle Front Screw	2
2	**1B**	Handle Rear Screw	2
3	**15**	Handle Protective Sleeve	1
4	**14**	Inner Housing	1
5	**2**	Spring Support Pin	2
6	**17**	Guide Rod	1
7	**18**	Switch Valve	1
8	**19**	O-Ring	2
9	**20**	Intake Valve Tube	1
10	**27**	Quick Connector	1
11	**3**	Screw	4
12	**4**	Front End Cover	1
13	**5**	Flat Washer	1
14	**6**	Spring Washer	1
15	**8**	Guide Bushing	2
16	**21**	Cylinder Assembly Components	1
17	**13**	Screw	4
18	**22**	Steel Cylinder	1
19	**23**	Steel Piston	1
20	**25**	Silencer Cotton	2
21	**26**	Exhaust End Cap	1
22	**7**	Screw	4
23	**31PS**	Backing Pad Series (4/5/7 in)	1

Screw-on backing pads:

4-inch length: P1540-P (W)1-1/2" x (L)4"
P2540-P (W)2-1/2"x(L)4"

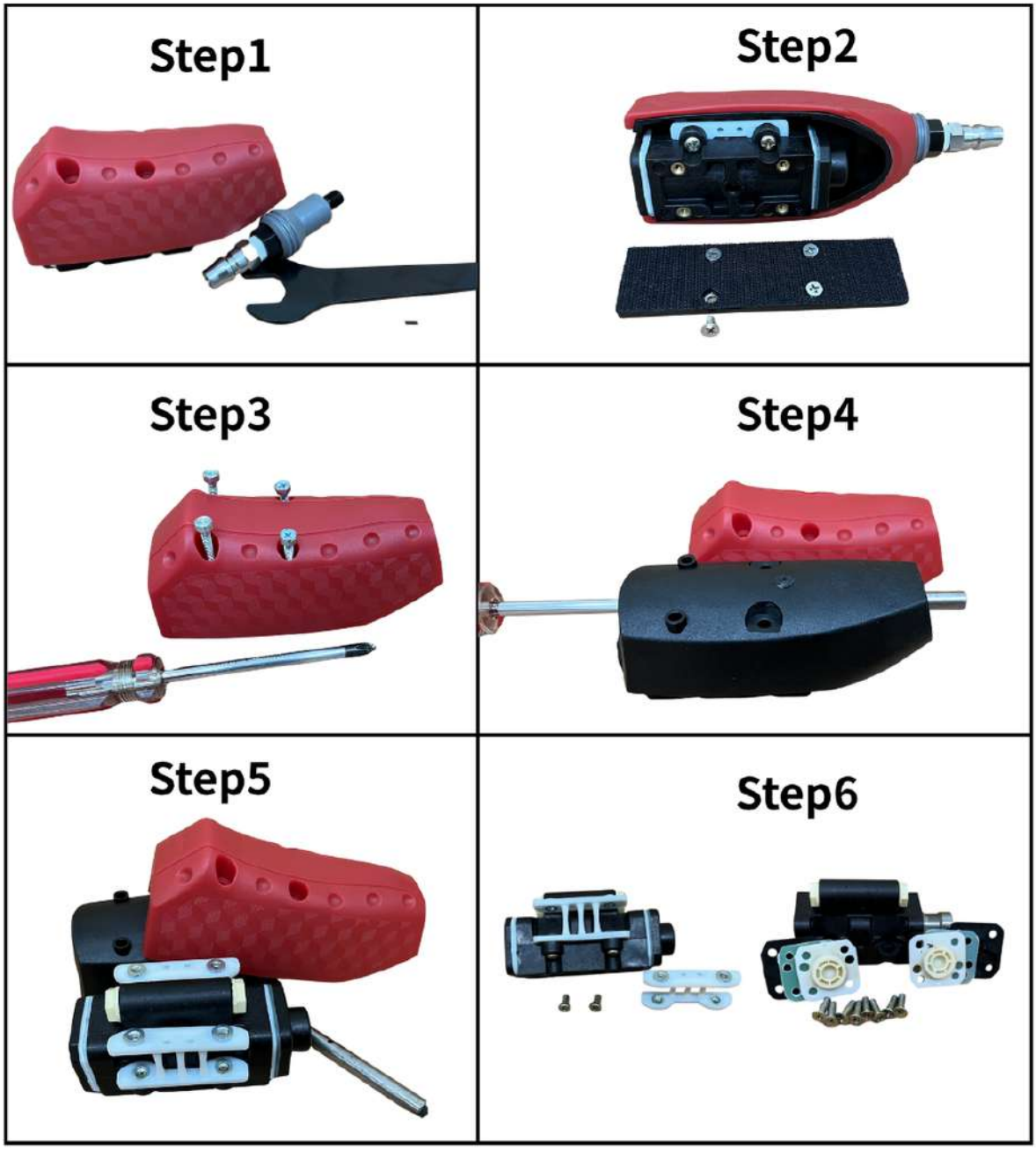
5-inch length: P1550-P (W)1-1/2" x (L)5"
7-inch length: P1570-P (W)1-1/2" x (L)7"

AX-K03 Contents(5-inch length):



Disassembly Process

AX-K03



Specifications

Paper size	Stroke	No-load reciprocating speed	Weight	Air consumption	Suitable operating pressure	Noise level
2.5inch × 5inch	3/16 inch	6,000 times	1.3lbs	37 gallons/min	50psi to 90psi	76dBA

Warranty

Limited Warranty

This machine is covered by a one (1) year limited warranty from the date of purchase against defects in materials and workmanship under normal use.

This warranty applies to the machine only. Accessories, consumables, and wear parts are not covered.

General Power Tool Safety Warnings

WARNING **Read allsafetywarningsand instructions.Failure tofollowthewarnings and instructions may result in electric shock, fire and/or injury.**

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term "power tool" in the warnings refers to your pneumatic-operated power tool.

Work area safety

- **Keep workareaclean and welllit.**Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Pneumatic Tool Safety

- **Use appropriateair pressure, avoiding excessive air pressure.** Exceeding the maximum air pressure can increase the number of strokes or revolutions that could lead to potential breakage or unexpected accident or injury.
- **Properly connect the tool to the air supply line.**

There are many types of pipes running in factories in addition to pneumatic lines. Always ensure you are properly connecting the tool to the pneumatic line.

- **Always start the tool properly.** Turn the tool OFF before connecting or disconnecting the air supply line.
- **Always disconnect the tool from the air supply line before attaching or taking off accessories and prior to any maintenance work.**
- **Do not attach the tool to electricity.** This pneumatic tool is not electrically insulated. To avoid a potential electric shock, do not use where there is the possibility of coming into contact with electricity.
- **Avoid exposure to the exhaust air.** Exhaust air emitted from pneumatic tools contain oil and contaminated moisture. Make sure the exhaust air is not directed towards your face or anyone else within the work area.
- **Handle the tool and connecting hose carefully.**

Do not throw, drop or shock the tool.
Do not carry the tool by the air hose.
Do not pull the air hose to disconnect.
Abusive use of tool could lead to failure or accident.

Personal Safety

- **Stay alert, watch whatyou aredoing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **The dust emitted by wood, plastic, metal or paint can be hazardous to your health.** Always wear proper dust mask.

• Failure to follow instructions and safety information can result in personal injury. Sanding with any power tool can be hazardous to the operator or to bystanders. When using abrasive products on power tools wear dust mask, eye, face and body protection at all times.

• **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to air supply, picking up or carrying the tool.** Carrying power tools with your finger on the switch or connecting power tools to the air supply while the switch is depressed invites accidents.

• **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a moving part of the power tool may result in personal injur y.

• **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

• **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

• **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

• **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the power tool in unexpected situations.

Power tool use and care

• **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

• **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

• **Disconnect the tool from the air supply before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures
reduce the risk of starting the power tool accidentally.

• **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**

Power tools are dangerous in thehandsofuntrained users.

• **Maintain tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

• **Use the power tool, accessories etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

• **Do not take apart or modify the tools. Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

• **When servicing a power tool, use only identical replacement parts.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

• **Inspect tool and accessories to ensure good operating condition without deterioration or damage before mounting on the tool.** Check to see all moving parts are in good working condition without any damage, and that the tool functions normally. If any damage is noticed to either the tool, accessory, or part, please contact the sales agent through which you purchased the tool or an authorized dealer.

Disposal

• **If a tool is permanently out of service, it is advised that the tool be dismantled, degreased, and parts separated and recycled locally in accordance to regulations.**

WARNING for California Residents

California requires the following notice:

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Some examples of these chemicals are:

lead from lead-based paints; crystalline silica from bricks and cement; and other masonry products; arsenic and chromium from chemically treated lumber; wood dust.

Your risk from exposure to these chemicals varies, depending on how often you do this type of work. reduce your exposure,work in a well-ventilated area and with approved safety equipment, such as dust masks that are specially designedtofilterout microscopic particles.

California adds and removes items from the list on an annual basis. To see the current list of chemicals, refer to the California's website. As of the printing of this manual, the list can befound at: https://oehha.ca.gov/proposition-65/proposition-65-list

Operation Instructions

AWARNING **Read allsafetywarningsand instructions.Failure to follow the warnings and instructions may result in electric shock, fire and/or injury.**

1. Usage

This tool is designed for sanding workpieces using Abrasive Paper.

2. Check the contents of the package

Check the contents and make sure that the tool does not have any damage which may have occurred during transportation. In case of damage/ missing parts, please contact the sales agent from whom you purchased the tool.

3. Air Supply

• **Air Pressure.** Adjust air pressure with the air regulator to the appropriate level for the pneumatic tool used. Air pressure that is too low will stop the tool from operating at full capacity. Air pressure that is too high may cause damage to the tool.

• **Air line.** Use a 8 mm (5/16") I. D. connecting hose between the compressor and the tool. Drained water, etc., if flown into the tool, could cause tool failure. Install an air filter between the compressor and the tool.

• **Lubrication.** Install an oiler between the compressor and the tool. Failure to lubricate as required may result in damage to the tool. Use of oil that is too thick will reduce the performance of the tool. If not using a filter regulator-lubricator in the air line, place 3-5 drops of Air Tool Oil into the Air Inlet before and after use of the tool daily, as shown in **Figure 1**.

Figure 1

4. Hose Fitting

• The product comes with a 1/4" Male Quick Connect fitting. If you use a matching quick connect fitting, you can connect the supplied quick connect fitting or you can use your own quick connect fitting.

5. Attaching Baseboard, Pads, Abrasive Rolls

• Your AxSand tool is equipped with a hook-and-loop central baseboard plate which may be removed and attached with a Philips screwdriver.

• To remove, unscrew the 4 screws (Countersunk Flat Head Screw) underneath the central baseboard plate.

• To install a baseboard, screw the baseboard firmly into place. Baseboards without arms should be attached with hook side facing away from the body. Baseboards with arms can be attached either way depending on the application.

• Cut the abrasive paper (sold separetly) to the required width, and firmly attach the abrasive paper in the center of the pad, ensuring the hook side of the pad is fully covered.

• When sanding in extremely tight areas, such as louvered panels, optional extension plates are available.

E-mail: info@ax-sand.com