

WARRANTY

One-year limited warranty

For questions about your warranty, please call **1-800-222-5381**.

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, 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, and
- arsenic and chromium from chemically-treated lumber.

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



Northern Tool + Equipment Company, Inc.
2800 Southcross Drive West
P.O. Box 1499 Burnsville, MN 55337-0499

Made in Taiwan



Item No.188254

Pneumatic Dent Puller

OWNER'S MANUAL



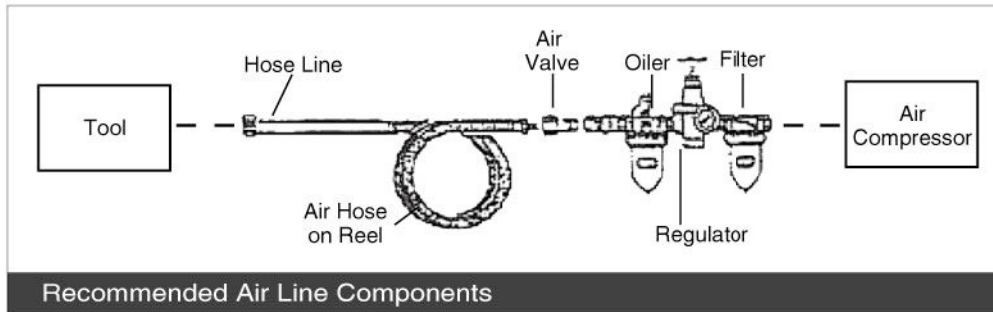
WARNING:

Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- **Use proper size and type** air pressure line and fittings. The recommended air line for this tool is 13in. delivering no more than 70~170 PSI. Recommended air inlet size is 1/4in.
- **Use air hoses rated** for safe operation of the tool. Air hoses rated for a maximum of 90 PSI or greater must be used with this tool.
- **Make sure the hose** is free of obstructions or snags. Entangled hoses can cause loss of balance or footing.

ASSEMBLY

Figure 1. Optimal pneumatic set-up.



NOTE:

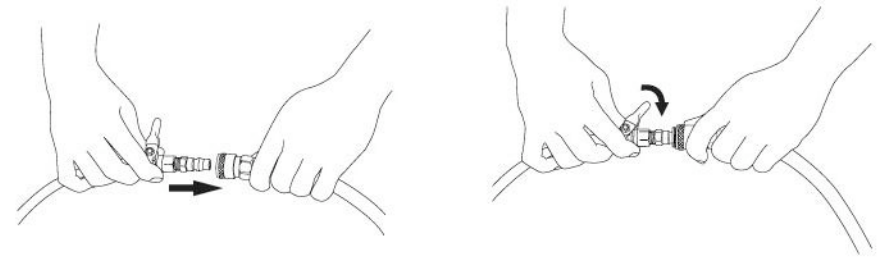
For best performance, it is recommended to incorporate an inline filter, regulator, and oiler similar to the set-up seen in Figure 1. Everything needed for the perfect set-up can be found at Northern Tool + Equipment.

Specification :

- * Include 4 and 6 in. Pad
- * WITH 3LB (1.36 kgs) SLIDING HAMMER.
- * WITH BRASS SHUT OFF VALVE.
- * WITH 13" LENGTH INLET HOSE.
- * AIR EXHAUST FROM THE HANDLE.
- * WITH 1/4" AIR PLUG.

OPERATION

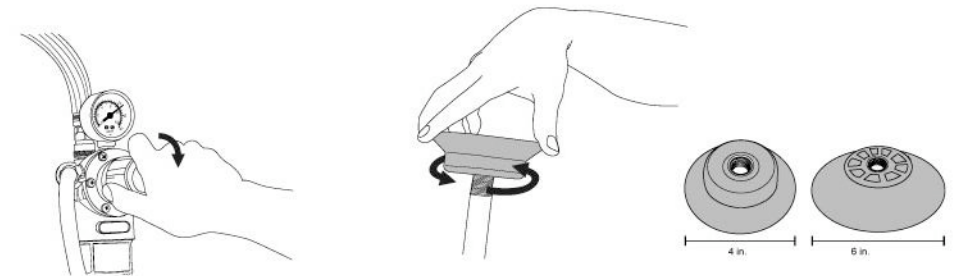
1 Assembling



Connect the hose with air compressor valve.

Re-confirm the hose is connected properly and turn on regulator.

2 Choose suitable size

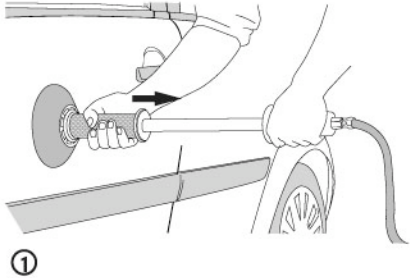


Adjust the air gauge to needed pressure.

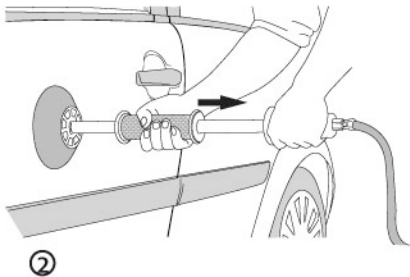
Noted: It needs min. 150psi when using 2.5in. pad and 90psi for 5 and 6in. pad.

Choose suitable size of pad (4, 6) depending on true situation. Rotate to set up the pad picked.

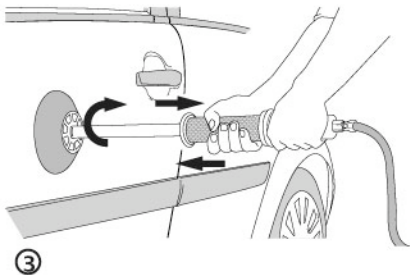
3 Use steps



Step 1: Position the pad on dent and hold the puller as graph 1 shows.



Step 2: Pull the hammer from pad end toward handle end as graph 2 shows.



Step 3: Push the hammer back toward pad end and repeat step 2 & 3 till the dent is flattened.

Caution:



Stored at room temperature with cool ventilation.



Keep away from fire and heat.



Turn off the regulator when not operating.

MAINTENANCE

WARNING:

Make sure this tool is disconnected from its air source and all compressed air in the tool is released before attempting any maintenance, cleaning, or inspection.

- **Maintain your tools.** It is recommended that the general condition of any tool be examined before it is used. Keep your tools in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. If any abnormal vibrations or noise occurs, turn the tool off immediately and have the problem corrected before further use. Have necessary repairs made by qualified service personnel.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Keep handles dry, clean, and free from oil and grease.
- **Cleaning.** Use only soap and a damp cloth to clean your tools. Many household cleaners are harmful to plastics and other insulation. Never let liquid get

PERSONAL SAFETY

- **Stay alert,** watch what you are doing and use common sense when operating a pneumatic tool. Do not use a pneumatic tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating pneumatic tools may result in serious personal injury.
- **Dress properly.** Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents often cover moving parts and should be avoided.
- **Use safety apparel and equipment.** Use safety goggles or safety glasses with side shields which comply with current national standards, or when needed, a face shield. Use as dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.
- **Avoid accidental starting.** Do not carry the pneumatic tool with your finger on the switch. Ensure the switch is in the off position before connecting the tool to the air source. In the event of a loss of air while a tool is being used, turn the switch off to prevent surprise starting when air is restored.
- **Do not overreach.** Keep proper footing and balance at all times.
- **Remove adjusting keys or wrenches** before connecting to the power supply or turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

PNEUMATIC TOOL USE

- **Do not force the tool.** Tools do a better and safer job when used in the manner for which they are designed. Plan your work, and use the correct tool for the job.
- **Never use a tool** with a malfunctioning switch. Any pneumatic tool that cannot be controlled with the switch is dangerous and must be repaired by an authorized service representative before using.
- **Check for misalignment** or binding of moving parts, breakages of parts, damaged air hose (not included), and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- **Disconnect air supply** from tool and place the switch in the locked or off position before making any adjustments, changing accessories, or storing pneumatic tools. Such preventive safety measures reduce the risk of starting the pneumatic tool accidentally.
- **Secure work** with clamps or a vise instead of your hand to hold work when practical. This safety precaution allows for proper tool operation using both hands.
- **Store idle tools.** When tools are not in use, store them in a dry, secure place out of the reach of children. Inspect tools for good working condition prior to storage and before re-use.
- **Use only accessories that are recommended** by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.
- **Keep guards in place** and in working order.
- **Never leave tool** running unattended.
- **Compressed air only.** Only use clean, dry and regulated compressed air at no more than 70 ~170 PSI to power this tool. Never use oxygen, carbon dioxide or any other bottled gas as a power source for this tool.



Thank you very much for choosing a Klutch™ product! For future reference, please complete the owner's record below:

Model: _____ **Purchase Date:** _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This machine is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted the distributor to determine if it can or should be performed on the product.

For technical questions please call **1-800-222-5381**.

PACKING LIST

- 3 lb. (1.36 kg) sliding hammer.
- 13in. length inlet hose.
- 1/4in. air plug.
- Brass shutoff valve.
- Air exhaust from the handle.

GENERAL SAFETY RULES

⚠ WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

⚠ WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

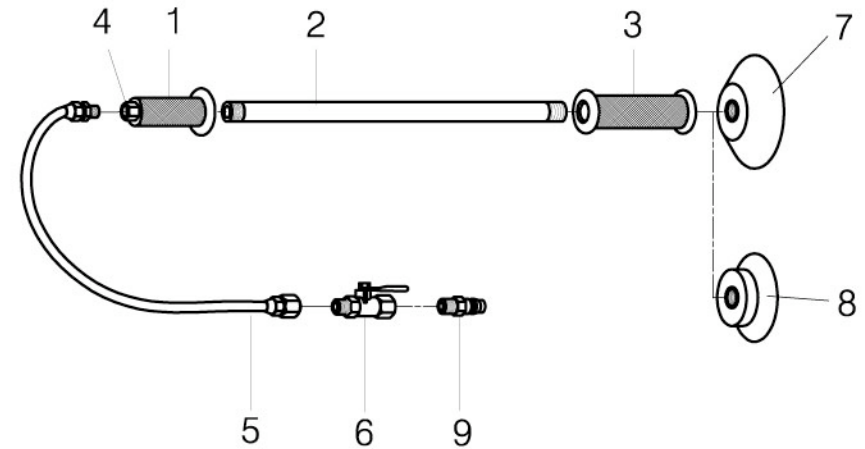
SAVE THESE INSTRUCTIONS

WORK AREA

- **Keep work area clean**, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- **Do not use your tool where there is a risk of causing a fire or an explosion**; e.g. in the presence of flammable liquids, gasses, or dust. Pneumatic tools create sparks, which may ignite the dust or fumes. Do not expose air tools to rain or wet conditions.
- **Keep children and bystanders away** while operating a pneumatic tool. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- **Be aware of all power lines, electrical circuits**, water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and may cause personal harm or property damage.
- **Be alert of your surroundings**. Using pneumatic tools in confined work areas may put you dangerously close to cutting tools and rotating parts.



DIAGRAM & PARTS LIST



Parts No.

Index	Parts No.	Q'ty	Description
1	QS-2-01	1	Handle
2	QS-2-02	1	Extension Pipe
3	QS-2-03	1	Hammer
4	QS-2-04	1	Air Inlet
5	QS-2-05	1	Hose Set
6	QS-2-06	1	Valve
7	QS-2-07	1	Suction pad Ø150
8	QS-2-08	1	Suction Pad Ø100
9	QS-2-09	1	Coupler

The type and specifications may be changed with or without notice.

For replacement parts and technical questions, please call **1-800-222-5381**.