

Instruction manual
Manual de
Instrucciones
Guide d'utilisation

ESPAÑOL: PÁGINA 11
FRANÇAIS: PAGE 19

Random Orbital Palm Sanders

Lijadora Orbital para la Palma de la Mano

Ponceuse orbitale aléatoire



**MODEL/
MODELO/
MODÈLE**

**PTS3
PTS4
PTS5
PTS6
PTS7
PTS8
PTS9
PTS10**

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PORTER-CABLE

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

IMPORTANTE

Asegúrese de que la persona que va a usar esta herramienta lea cuidadosamente y comprenda estas instrucciones antes de empezar a operarla.

IMPORTANT


Veillez vous assurer que la personne qui utilise cet outil lit attentivement et comprend ces instructions avant de commencer à utiliser l'outil.


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- Air powered equipment and power tools are capable of propelling materials such as fasteners, metal chips, saw dust, and other debris at high speed, which could result in serious eye injury.


- Tool attachments can become loose or break and fly apart propelling particles at the operator and others in the work area.





HAZARD	
▲WARNING RISK OF LOSS OF HEARING 	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> • Long term exposure to noise produced from the operation of air tools can lead to permanent hearing loss. 	<ul style="list-style-type: none"> • Always wear ANSI S3.19 hearing protection.


HAZARD	
▲WARNING RISK TO BREATHING INHALATION HAZARD 	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> • Abrasive tools, such as grinders, sanders, and cut-off tools generate dust and abrasive materials which can be harmful to human lungs and respiratory system. • Some materials such as adhesives and tar, contain chemicals whose vapors could cause serious injury with prolonged exposure. 	<ul style="list-style-type: none"> • Always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools. • Always work in a clean, dry, well ventilated area.

HAZARD	
▲WARNING RISK OF INJURY 	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> • Tools left unattended, or with the air hose attached can be activated by unauthorized persons leading to their injury or injury to others. • Air tools can propel fasteners or other materials throughout the work area. • A wrench or a key that is left attached to a rotating part of the tool increases the risk of personal injury. • Using inflator nozzles for duster applications can cause serious injury. • Air tools can become activated by accident during maintenance or tool changes. • Air tools can cause the workpiece to move upon contact leading to injury. • Loss of control of the tool can lead to injury to self or others. • Poor quality, improper, or damaged tools such as grinding wheels, chisels, sockets, drills, nailers, staplers, etc., can fly apart during operation, propelling particles throughout the work area causing serious injury. 	<ul style="list-style-type: none"> • Remove air hose when tool is not in use and store tool in secure location away from reach of children and/or untrained users. • Use only parts, fasteners, and accessories recommended by the manufacturer. • Keep work area clean and free of clutter. Keep children and others away from work area during operation of the tool. • Keep work area well lit. • Remove adjusting keys and wrenches before turning the tool on. • DO NOT use inflator nozzles for duster applications. • Remove air hose to lubricate or add grinding attachments, sanding discs, drills, etc. to the tool. • Never carry the tool by the hose. • Avoid unintentional starting. Don't carry hooked-up tool with finger on trigger. • Repair servicing should be done only by an authorized service representative. • Use clamps or other devices to prevent movement. • Never operate tool while under the influence of drugs or alcohol. • Don't overreach. Keep proper footing and balance at all times. • Keep handles dry, clean, and free from oil and grease. • Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired. • Always use tool attachments rated for the speed of the power tool. • Never use tools which have been dropped, impacted or damaged by use. • Use only impact grade sockets on an impact wrench. • Do not apply excessive force to the tool, let the tool perform the work.

HAZARD	
▲WARNING RISK OF INJURY (continued)	
	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Improperly maintained tools and accessories can cause serious injury. There is a risk of bursting if the tool is damaged. 	<ul style="list-style-type: none"> Maintain the tool with care. Keep a cutting tool sharp and clean. A properly maintained tool, with sharp cutting edges reduces the risk of binding and is easier to control. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation. If damaged, have the tool serviced before using.
Use only accessories identified by the manufacturer to be used with specific tools.	<ul style="list-style-type: none"> Use of an accessory not intended for use with the specific tools, increases the risk of injury to persons.

HAZARD	
▲WARNING RISK OF ELECTRIC SHOCK	
	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> This tool is not provided with an insulated gripping surface. Contact with a "live" wire will also make exposed metal parts of the tool "live" and can result in electrocution or death. 	<ul style="list-style-type: none"> Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.

HAZARD	
▲WARNING RISK OF ENTANGLEMENT	
	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Tools which contain moving elements, or drive other moving tools, such as grinding wheels, sockets, sanding discs, etc. can become entangled in hair, clothing, jewelry and other loose objects, resulting in severe injury. 	<ul style="list-style-type: none"> Never wear loose fitting clothes, or apparel which contains loose straps or ties, etc. which could become entangled in moving parts of the tool. Remove any jewelry, watches, identifications, bracelets, necklaces, etc. which might become caught by the tool. Keep hands away from moving parts. Tie up or cover long hair. Always wear proper fitting clothing and other safety equipment when using this tool.

HAZARD	
▲WARNING RISK OF CUT OR BURNS	
	
WHAT COULD HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Tools which cut, shear, drill, staple, punch, chisel, etc. are capable of causing serious injury. 	<ul style="list-style-type: none"> Keep the working part of the tool away from hands and body.

SPECIFICATIONS

NOTE: All models come standard with a *PSA type sander pad.

Model #	Orbit	Pad Size	Vacuum	Max Operating Pressure	RPM (Free Speed)	Spindle Thread	Air Inlet
PTS3	3/16"	5"	No	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS4	3/16"	5"	Yes	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS5	3/32"	5"	No	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS6	3/32"	5"	Yes	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS7	3/16"	6"	No	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS8	3/16"	6"	Yes	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS9	3/32"	6"	No	90 psig	12000	5/16-24 Female	1/4-18 NPT Female
PTS10	3/32"	6"	Yes	90 psig	12000	5/16-24 Female	1/4-18 NPT Female

PAD SPECIFICATIONS

Replacement sander pads are available at the store the unit was purchased.

Model #	Pad Dia.	Abrasive Disc Type	Vacuum	Pad Weight	Spindle Thread	Models Used With
PTA36	5"	*PSA	No	100 g	5/16-24 Male	PTS3, PTS5
PTA37	5"	*PSA	5 hole	100 g	5/16-24 Male	PTS4, PTS6
PTA38	5"	Hook & Loop	No	100 g	5/16-24 Male	PTS3 PTS5
PTA39	5"	Hook & Loop	5 hole	100 g	5/16-24 Male	PTS4, PTS6
PTA40	6"	*PSA	No	130 g	5/16-24 Male	PTS7, PTS9
PTA41	6"	*PSA	6 hole	130 g	5/16-24 Male	PTS8, PTS10
PTA42	6"	Hook & Loop	No	130 g	5/16-24 Male	PTS7, PTS9
PTA43	6"	Hook & Loop	6 hole	130 g	5/16-24 Male	PTS8, PTS10

*PSA- Pressure Sensitive Adhesive

ASSEMBLY

IMPORTANT: Line pressure or hose inside diameter should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 3/8" I.D. and fittings should have 1/4" NPT thread.

OPERATION

Before each use:

- Drain water from air compressor tank and condensation from air lines. See air compressor's operators manual.

⚠ CAUTION

Disconnect the tool from the air supply before lubricating or changing abrasive disc.

- Lubricate tool, see "Maintenance" section in this manual.
- Place abrasive disc onto sander pad. See "To Install Abrasive Disc" paragraph in the "Maintenance" section.
- Connect tool to air hose of recommended size. **NOTE:** The use of a quick connect set makes connecting easier.

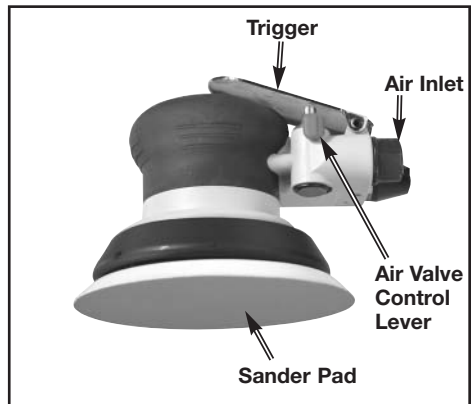
IMPORTANT: The use of air filters and air line lubricators is recommended.

To use:

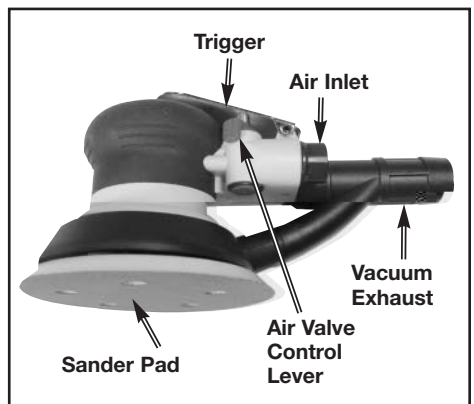
- Turn air compressor on and allow air tank to fill.
- Set the air compressor's regulator to 90 PSI. This tool operates at a maximum **90 PSI** pressure.
- Depress trigger to operate tool.
- Release trigger to stop tool.
- This tool is equipped with an air valve control lever to adjust RPM speed from 0-12000. It is recommended to operate the tool with the air valve control at the maximum setting for the best tool performance.
- When job is complete, turn the air compressor off and store as described in the air compressor operator manual.

Tips

- Begin sanding with an abrasive grit sandpaper coarse enough to remove the high spots. Progress to a finer grit sandpaper until the desired finish is obtained.
- Never change from coarse grit sandpaper to a very fine grit sandpaper, always progress gradually to the finer grit.



Without Vacuum Option



With Vacuum Option

MAINTENANCE

To Install Abrasive Disc

- Disconnect the tool from the air supply holding it so sander pad faces up.
- Clean dust from sander pad.
- Position abrasive disc onto sander pad.
- Press abrasive disc firmly onto sander pad. Align the dust extraction holes (*if equipped*) in the abrasive disc with the holes in the sander pad.

IMPORTANT: Do not use PSA (pressure sensitive adhesive) disc with Hook & Loop pad as the disc may be thrown from the pad causing personal injury.

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Lubrication

Air tools require lubrication throughout the life of the tool. The air motor and bearing uses compressed air to power the tool. Because moisture in compressed air will rust the air motor, you must lubricate the motor daily. An inline oiler is recommended.

To lubricate the air motor manually:

- Disconnect the tool from the air supply holding it so the air inlet faces up.
- Depress the trigger and place one to two drops of air tool oil in the air inlet. Depressing the trigger helps circulate oil in the motor. **NOTE:** Use SAE #10 weight oil if air tool oil is not available.
- Connect the tool to an air source, cover the exhaust end with a towel and run for a few seconds. **NOTE:** Any excess oil in the motor is immediately expelled from the exhaust port. Always direct exhaust port away from people or objects.

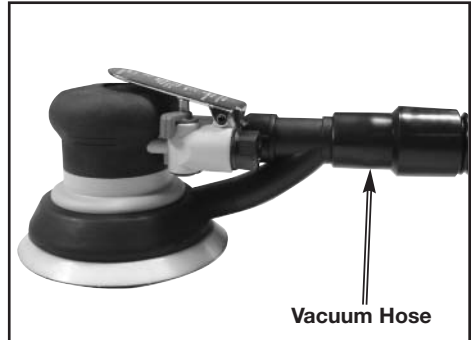


⚠ WARNING

Failure to lubricate the tool at the air inlet will void your warranty.

ACCESSORIES

Models equipped with the vacuum option can be used with remote vacuum systems, see "Specifications" for listing of models. To attach tool to vacuum system use Porter-Cable vacuum hose part number 39332.



⚠ WARNING

Since accessories other than those offered by Porter-Cable • Delta have not been tested with this product, use of such accessories could be hazardous.

For safest operation, only Porter-Cable • Delta recommended accessories should be used with this product.

A complete line of accessories is available from your Porter-Cable • Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site www.porter-cable.com for a catalog or for the name of your nearest supplier.

NOTES

LIMITED WARRANTY

PORTER-CABLE CORPORATION warrants to the original purchaser that all products covered under this warranty are free from defects in material and workmanship. Products covered under this warranty include air compressors, air tools, service parts, pressure washers, and generators, which have the following warranty periods:

- 3 YEARS** - Limited warranty on 2-stage oil-free air compressor pumps that operate at 1725 RPM.
- 2 YEARS** - Limited warranty on oil-lubricated air compressor pumps.
- 1 YEAR** - Limited warranty on all other air compressor components.
- 2 YEARS** - Limited warranty on electric generator alternators.
- 1 YEAR** - Limited warranty on other generator components.
- 2 YEARS** - Limited warranty on pneumatic air tools as described in Porter-Cable general catalog.
- 1 YEAR** - Limited warranty on pressure washers used in consumer applications (i.e. personal residential household usage only).
- 90 DAY** - Pressure washers used for commercial applications (income producing) and service parts.
- 1 YEAR** - Limited warranty on all accessories.

Porter-Cable will repair or replace, at **Porter-Cable's** option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of **Porter-Cable** Corporation with regard to this limited warranty shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

- To process a warranty claim on this product. **DO NOT** return it to the retailer. The product must be evaluated by an **Porter-Cable** Authorized Warranty Service Center. For the location of the nearest **Porter-Cable** Authorized Warranty Service Center call 1-888-559-8550, 24 hours a day, 7 days a week.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest **Porter-Cable** Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest **Porter-Cable** Authorized Warranty Service Center that provides on-site service calls, for service call arrangements.
- If the purchaser does not receive satisfactory results from the **Porter-Cable** Authorized Warranty Service Center, the purchaser should contact Porter-Cable.

THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, used as rental equipment, and floor or display models.
- Merchandise that has become damaged or inoperative because of ordinary wear, misuse*, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by **Porter-Cable**, or unauthorized repair or alterations.
* An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand.
- Repair and transportation costs of merchandise determined not to be defective.
- Costs associated with assembly, required oil, adjustments or other installation and start-up costs.
- Expendable parts or accessories supplied with the product which are expected to become inoperative or unuseable after a reasonable period of use, including but not limited to sanding disks or pads, saw and shear blades, grinding stones, springs, chisels, nozzles, o-rings, air jets, washers, bearings, rotor blades, contact wheels, gaskets, and similar accessories.
- Merchandise sold by **Porter-Cable** which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.
- **ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- **IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

PORTER-CABLE

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