

# Safety Instructions

**Warning: Electricity can kill.**

In order to reduce the risk of fire, electric shock or personal injury, the following basic safety precautions should be observed before using electrical power tools.

1. Keep working areas clean and tidy. Cluttered areas and work benches invite injury.
2. Consider environmental influences on the working area.

**Do not**

- Expose power tools to rain.
- Use them in wet/damp places.
- Use them near flammable liquids and gasses.

**Do**

- Always keep the working area well lit.

3. Do not touch grounded items, e.g., pipes, radiators, etc.
4. Keep children away and make sure other people are at a safe distance from electric power tools and power leads.
5. Store tools, when not in use, in a dry place, securely, and out of reach of children.
6. Observe the capacity limits of the tools - your tool will do a better and safer job if used within the capacity stated by the manufacturer.
7. Always use a tool adequate for the job, e.g., circular saws are not designed nor adequate for cutting trees or logs.
8. Wear suitable clothing at all times - loose items of clothing, e.g., ties and jewellery can be caught in moving parts and result in injury. When working outdoors, rubber gloves and non slip footwear are advised. Wear a hair net to prevent long hair from getting caught in moving parts.
9. The use of safety glasses, face guards, etc., are strongly recommended to protect face and eyes against dust, splinters, sparks, etc.
10. Never carry the tool or disconnect it from the power supply by the use of the power cord. Keep power cords away from flames, heat, oil and sharp objects. Never pull power cords across rough surfaces.
11. Secure the workpiece with clamps or in a vice whenever practical to leave both hands free to operate the tool.
12. Control your balance, always ensure a safe footing before operating power tools.

13. The maintenance of tools is of paramount importance, for both safety and performance may be affected. Always follow the manufacturer's maintenance instructions and advice. Keep all cutting tools sharp. Inspect power cords regularly and, if defective, have them repaired or replaced by authorised service personnel. Keep handles dry and free from oil and grease.
14. Disconnect the tool from the power source when:
  - a) It is out of operation
  - b) Before servicing
  - c) When changing accessories, i.e., blades, bits, cutters, etc.
15. Remove adjusting keys and wrenches BEFORE you operate electrical tools.
16. Avoid unintentional machine start. Do not carry a power tool connected to power with your finger on the switch or trigger. Ensure on/off switch on tool is in off position before plugging in.
17. Power extension cords for use outdoors should conform to the necessary standard required.
18. Always check for defects in power tools - protective devices, i.e., safety cut out switches should be checked regularly to ensure operation. Ensure that all moving parts of the tool function properly. Protective guards must never be removed from power tools. Do not operate power tools which cannot be switched off.
19. For your safety, only use accessories and attachments recommended in the manufacturer's operating manual, as use of unauthorised accessories could be both dangerous and may invalidate your guarantee.

Giraffe  
Sander  
(gyprack) elec

06 304

# PORTER-CABLE

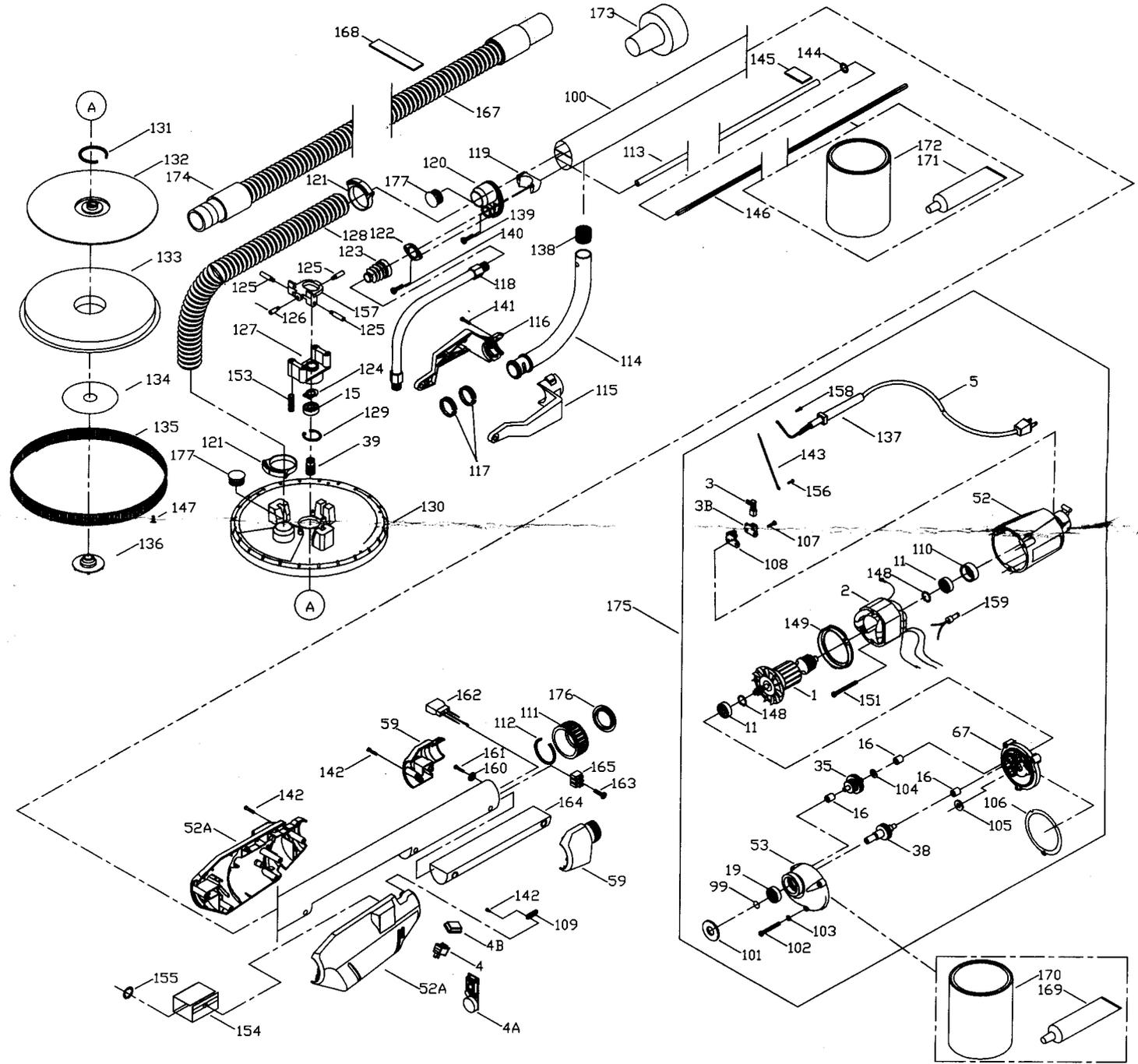
## DRYWALL SANDER

SCANNED Parts 310

WARNING: Electrical repairs should only be attempted by trained repairmen. Contact the nearest Porter-Cable Service Center or other competent repair center.

7800  
7801

Giraffe Sander (Gyprock) electric  
06304



PARTS LIST NO. 899805 - 05-12-04  
Copyright© 2004 Porter-Cable Corporation

**PORTER-CABLE**  
PROFESSIONAL POWER TOOLS

# 7800

# 7801

Ref.	No.	Part No.	Description	Ref.	No.	Part No.	Description
1	899519	ARMATURE	120V 7800 T2, 7801	132	881789	BACK-UP PAD	
	877753	ARMATURE	, 7800 T1, 120V	133		ABRASIVE PAD, SEE CATALOG	
	885333	ARMATURE	, 230V	134	877738	WASHER	
	896939	ARMATURE	, 100V	135	877702	BRUSH / SKIRT, 7800	
2	900134	FIELD	120V, 7800T2, 7801		898609	BRUSH / SKIRT, 7801	
	877754	FIELD	120V 7800 T1	136	877757	NUT	
	885332	FIELD	, 230V T1	137	810716	STRAIN RELIEVER	
	899569	FIELD	230V T2	138	879770	DUST PLUG, 7800	
	896940	FIELD	100V	139	848565	SCREW	
3	869734	BRUSH	, 100V, 120V, 230V T1	140	882187	SCREW	
	899568	BRUSH	230V T2	141	878813	SCREW	
3B	869691	BRUSH HOLDER		142	859384	SCREW	
4	887453	ON / OFF SWITCH	, 100V, 120V	143	879829	LEAD, 7800	
	887454	ON / OFF SWITCH	, 230V	144	879769	O-RING	
4A	877723	VARIABLE SPEED CONTROL	, 7800, 100V, 120V	145	695620	FOAM PAD	
	882209	VARIABLE SPEED CONTROL	, 230V	146	877728**	DRIVE SHAFT	
4B	877797	DUST COVER		147	882703	SCREW	
5	877781	CORD ASSY., INCL. REF. 137	, 100V, 120V	148	847564	SNAP-RING (SERVICE ONLY)	
	882018	CORD ASSY.,	230V	149	811350	BAFFLE	
11	855216	BEARING		151	876651	SCREW	
15	694147	BEARING		153	877755	SPRING	
16	693808	NEEDLE BEARING		154	877762	INSULATOR	
19	883096	BEARING		155	694980	PUSH-NUT	
35	697674	IDLER GEAR ASSY.		156	864137	SCREW	
38	877787	SPINDLE GEAR ASSY.		157	877778	PIVOT PLATE	
39	877737	SPINDLE		158	848754	SCREW	
52	876677	MOTOR HSG, INCL. REF. 110		159	682063	WIRE CONNECTOR, 230V	
52A	877743	HSG SET, 7800		160	802214	LOCK WASHER (230V), 230V	
	899534	HSG SET, 7801		161	883485	SCREW, 230V	
53	886654	GEAR HSG, INCL. REF. 13		162	884775	FILTER, 230V T1	
59	885163	VACUUM ADAPTER HSG, SET			253207	CAPICATOR 230V T2	
67	697684	INTERMEDIATE PLATE		163	884950	SCREW, 230V	
99	859769	SNAP-RING		164	884951	TUBE INSULATOR, 230V	
100	877711	MAIN TUBE, 100V, 120V		165	890249	TERMINAL BLOCK, 230V	
	885331	MAIN TUBE & NUT ASSY., 230V		167	39780	VAC. HOSE ASSY., INCL.: REF. 173 & 174, 7800	
101	877713**	FOAM SEAL - CF		168	877768	CORD TO HOSE STRAP, (HOOK & LOOP), 7800	
102	694015	SCREW		169	878499	GEAR LUBRICANT, 5 1/2 OZ.	
103	802648	WASHER		170	879751	GEAR LUBRICANT, 4 LBS.	
104	848741	WASHER		171	48220-1	DRIVE SHAFT LUBRICANT, 5 1/2 OZ.	
105	852714	SLINGER		172	875667	DRIVE SHAFT LUBRICANT, 4 LBS.	
106	697203	GASKET		173	882428	HOSE ADAPTER, (2 1/2"), 7800	
107	864136	SCREW		174	890961	HOSE CONNECTOR, 7800	
108	811490	INSULATOR		175	899774**	MOTOR ASSEMBLY, 100V, 120V	
109	861434	CORD CLAMP			906841**	MOTOR ASSEMBLY, 230V	
110	694432	BEARING MOUNT		176	898606	TUBE COVER, 7801	
111	877772	HOSE CLAMP NUT		177	898607	INSERT 7801	
112	877771	CLAMP RING, 7800		*	877752	DUST BAG, (GENERIC SHOP VAC STYLE)	
113	877774	GUIDE TUBE					
114	877729	SUPPORT TUBE					
115	881951	LEFT SUPPORT ARM					
116	881943	RIGHT SUPPORT ARM					
117	877730	NYLON BUSHING					
118	887979	CASING					
119	877733	TUBE CLAMP PLATE					
120	889303	TUBE SUPPORT HSG					
121	884843	HOSE CLAMP, 7800					
122	879737	CLAMP PLATE					
123	879772**	BELLOWS					
124	844571	SNAP-RING					
125	879685	GUIDE PIN (LONG)					
126	879686	GUIDE PIN (SHORT)					
127	899234	SUPPORT HSG, INCL.: REF. 129					
128	n A01929	HOSE, 7800					
129	859382	RETAINING RING 7800 T2, 7801					
	877731	SNAP-RING, 7800 T1					
130	887492	PAD HSG					
131	696667	SNAP-RING					

\* NOT SHOWN  
 \*\* SEE SERVICE NOTES

Manual 310

# Drywall Sander

Giraffe Sander 06304  
(Gyprock) elec.

TROCKENAUSBAU-SCHLEIFER

LIJADORA PARA PAREDES EN SECO

PONCEUSE À PLAQUES DE PLÂTRE

GIPSPLAAT-SCHUURMACHINE

SLIPMASKIN FÖR CEMENT- OCH  
GIPSVÄGGAR

LEVYSEINIEN HIOMAKONE

Instruction  
manual

Bedienungs-  
anleitung

Manual de  
Instrucciones

Manuel  
d'utilisation

Gebruiks-han-  
dleiding

Bruksanvisning

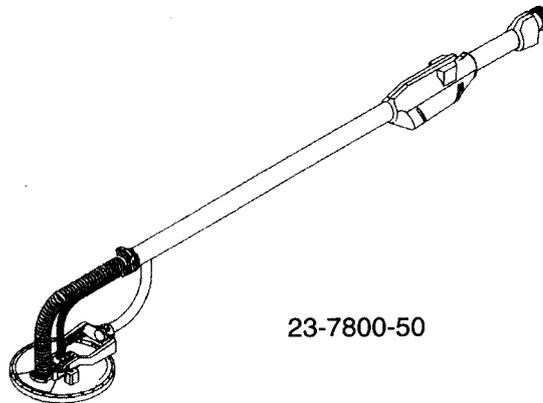
Käyttöohjeet

To learn more about Porter-Cable  
visit our website at:

<http://www.porter-cable.com>

**PORTER-CABLE**  
PROFESSIONAL POWER TOOLS

Copyright © 2003 Porter-Cable Corporation



23-7800-50

Part No. 895779 - 11-03-03

**PORTER-CABLE LIMITED  
ONE YEAR WARRANTY**

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station as listed under "TOOLS-ELECTRIC" in the Yellow Pages of your telephone directory. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

**ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.**

- One 32mm to 64mm adapter (adapts the 32mm hose connector to fit a 64mm vacuum cleaner).
- Three straps to connect the Sander cord to the vacuum hose (to prevent tangling).

**INSTALL AS FOLLOWS:**

1. Install a special drywall dust bag into your vacuum cleaner, following the instructions supplied with the vacuum cleaner.

**CAUTION** Failure to use a dust bag rated for drywall dust will increase the level of airborne dust particles in the work area. Continued and prolonged exposure to high concentrations of airborne dust may affect the respiratory system function.

2. Connect the vacuum hose to the Drywall Sander. Open the Drywall Sander's hose connector by turning the large nut (A) Fig. 2, counterclockwise a couple of turns. Push the vacuum hose swivel connector (B) Fig. 2, into the Drywall Sander connector and seat firmly. Turn the large nut clockwise to tighten connector.
3. Install the three "hook & loop" type straps to prevent tangling of the Sander cord and the vacuum hose. Lay the cord and the vacuum hose out parallel to each other. Place a strap approximately two feet from each end and place the third strap half way between the other two. Wrap the long end of each strap around the vacuum hose and close. Then wrap the short end of each strap around the cord and close (see Fig. 3).
4. Connect the vacuum hose to your vacuum cleaner. Use the 32mm to 64mm adapter if necessary. If your vacuum cleaner requires a special connector (something other than the standard 32mm to 64mm connector supplied with the Drywall Sander), contact your vacuum cleaner supplier for the proper adapter.

**TO START AND STOP DRYWALL SANDER**

Make sure power circuit voltage is the same as shown on the specification plate on the Sander, and that the Sander switch is OFF. Connect Sander to power circuit.

The Drywall Sander is equipped with a "rocker" type switch (A) Fig. 4. The top end of the switch button is labeled OFF, and the bottom end of the button is labeled ON. To start the Sander, depress the bottom (ON) end of the switch button. To stop the Sander, depress the top (OFF) end of the switch button.

**SPEED CONTROL**

The Drywall Sander is equipped with a variable speed control. The speed is adjusted by turning the control knob (B) Fig. 4. The control knob is numbered "1" through "5" with "1" being the slowest speed (approximately 1000 RPM) and "5" being the fastest speed (approximately 1650 RPM).

Use the higher speed settings for fast stock removal. Use the lower speed setting to reduce removal rate for more precise control.

**BRUSH-TYPE SKIRT**

A brush-type skirt (A) Fig. 5, surrounds the abrasive pad. This skirt serves two purposes: (1) The skirt extends below the surface of the abrasive pad so that it contacts the work surface first. This positions the sanding head parallel to the work surface before the abrasive contacts the work, preventing the abrasive from "gouging" the work. (2) The skirt also helps contain the drywall dust until the vacuum cleaner pulls it away.

If the skirt is damaged, or if it becomes worn excessively, it should be replaced. Replacement skirts are available from any Porter-Cable Service Center (see list in back of this manual).

**WARNING** DISCONNECT TOOL FROM POWER CIRCUIT.

To replace skirt: (1) Remove abrasive pad (see ABRASIVE PAD REPLACEMENT). (2) Use Phillips screw-driver to remove the six retaining screws (B) Fig. 5. (3) Lift the skirt out of housing. (4) Position new skirt to housing and install the six retaining screws. (5) Replace the abrasive pad.

**SANDING DRYWALL**

The Drywall Sander has a unique articulating sanding head. The head can swivel in multiple directions, allowing the abrasive pad to conform to the work surface (see Figs. 6, 7, and 8). This enables the operator to sand the top, middle and bottom of a wall or ceiling joint without changing his position.

1. Turn vacuum cleaner switch ON.

**CAUTION** Wear a respirator approved for "Dust and Mist".

2. Turn Drywall Sander switch ON.
  3. Position Drywall Sander lightly against work surface (apply just enough pressure to align the sanding head with the work surface).
  4. Apply additional pressure to engage the abrasive pad to the work surface; while moving the Sander in an overlapping pattern to smooth the drywall compound down to a "featheredge".  
Apply ONLY enough pressure to keep the abrasive pad flat against the work. Excessive pressure can cause unacceptable swirl marks and unevenness in the work surface.
- Keep the Sander in constant motion while abrasive pad is in contact with the work surface. Use a steady, sweeping motion. Stopping the Sander (on the work), or moving the Sander erratically can cause unacceptable swirl marks and unevenness in the work surface.

**NOTE:** Do not allow rotating abrasive pad to contact sharp protrusions. Contact with protruding objects (nails, screws, electrical boxes, etc.), can severely damage the abrasive pad.

**ABRASIVE PAD REPLACEMENT**

**WARNING** DISCONNECT TOOL FROM POWER SOURCE.

1. Grasp the abrasive pad and the sander housing (clamping the pad to the housing), to prevent pad rotation.
2. Rotate the pad retaining nut (A) Fig. 9, counterclockwise and remove.
3. Lift off the large metal washer (B) Fig. 9, and the abrasive pad (C) Fig. 9.

**NOTE:** When the abrasive pad (C) Fig. 9, is lifted off the Sander: the abrasive back-up disc (A) Fig. 10, is exposed. Please note that this back-up disc is also covered with an abrasive material. This abrasive material is ONLY used to prevent "slippage" between the back-up disc and the foam backed abrasive pad, it is NOT suitable for use as a sanding abrasive. DO NOT USE THE SANDER WITHOUT A PROPER ABRASIVE PAD INSTALLED (to prevent severe damage to the work).

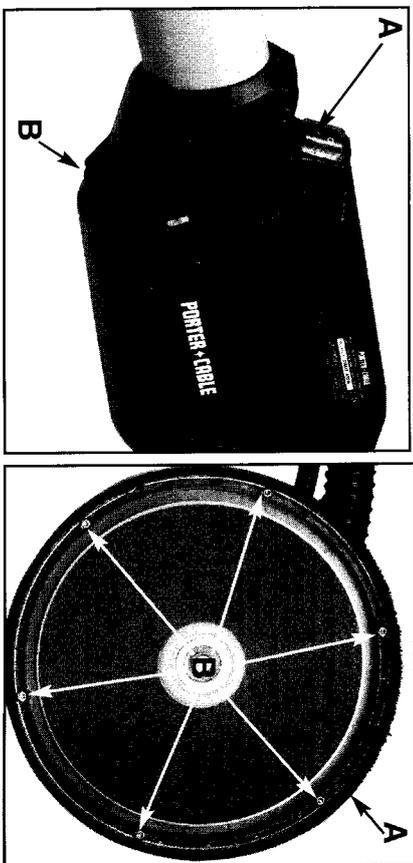
4. Position new abrasive pad to the back-up disc, making sure that the center hole in the abrasive disc is centered on the hub (B) Fig. 10, of the back-up disc.
5. Position the large metal washer (B) Fig. 9, and the retaining nut (A) Fig. 9, to the Sander.
6. Rotate the retaining nut clockwise to hand tighten (while holding the abrasive pad as described in step 1).

**ACCESSORIES**

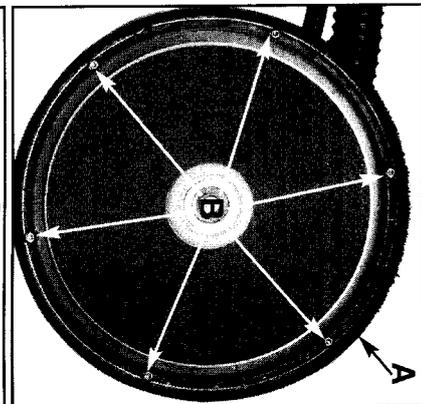
A complete line of accessories is available from your Porter-Cable - Delta Supplier, Porter-Cable - Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site [www.porter-cable.com](http://www.porter-cable.com) for a catalog or for the name of your nearest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

**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.

Figures, Abbildungen, Figuras, Figures, Abbeildungen, Figure, Figur

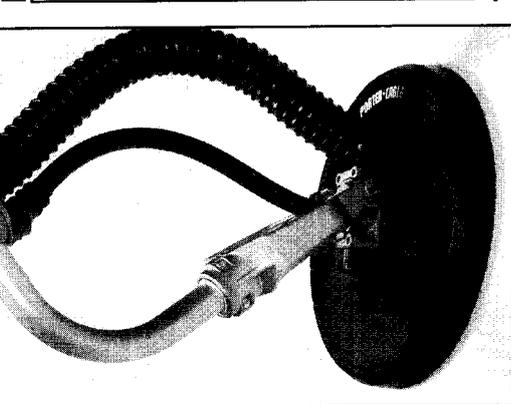
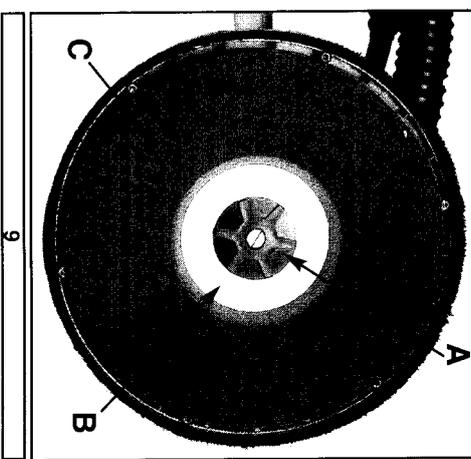


4

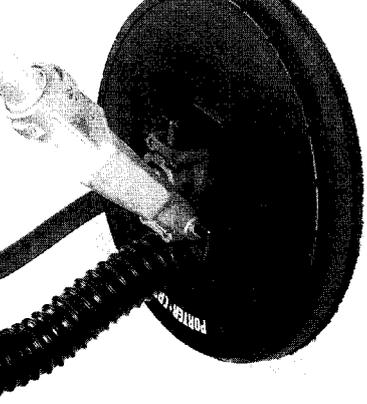
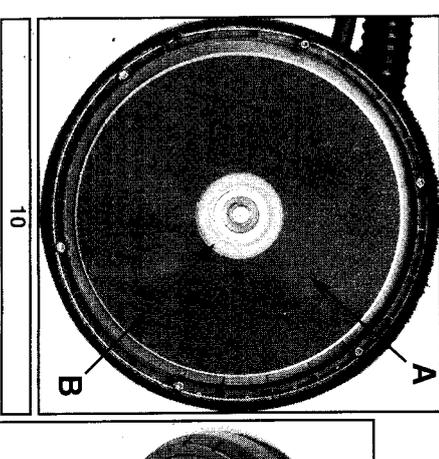


5

NOTE: See Fig. 6 on previous page.



7



8

**WARNING** SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES contains chemicals known 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.

**TECHNICAL SPECIFICATIONS**

Voltage supply	230V	Noise level	
Wattage (max.)	405	A - Weighted noise level	80.3 dB
Ampere Rating (max.)	1.75A	S - Pressure level	93.3 dB
Frequency	50 Hz	Typical Mean effective Acceleration	0.27 m/s <sup>2</sup>
Revolutions per minute	1000-1650	Weight	3.6 kg

**SAVE THESE INSTRUCTIONS**

**SAFETY RULES FOR DRYWALL SANDER**

1. **USE A RESPIRATOR approved by NIOSH for "Dust and Mist"**. Ventilate work area and/or use a dust collector. Continued and prolonged exposure to high concentrations of airborne dust may affect the respiratory system function.
2. **MAINTAIN FIRM FOOTING AND BALANCE.** Use appropriate scaffolding. Do not overreach.
3. **SANDING OF LEAD-BASED PAINT IS NOT RECOMMENDED.** Lead based paint should only be removed by a professional.

**OPERATING INSTRUCTIONS**

**FOREWORD**

The Porter-Cable Drywall Sander is designed for sanding walls and ceilings that are made of drywall or plaster. The Sander provides a superior finish, and is faster than conventional finishing methods for both new construction and renovation work. Clean-up time is minimized by the use of an external Vacuum Cleaner attached to the Sander.

**ABRASIVE DISC SELECTION**

The Drywall Sander is shipped with a 100 grit abrasive disc installed. This abrasive is suitable for most applications. Abrasive discs of 120 grit and 150 grit for situations requiring a smoother finish, are available as accessories.

**CAUTION** Do not attempt to use any abrasives other than those recommended by Porter-Cable.

**HOW TO HOLD A DRYWALL SANDER**

The Drywall Sander should be held with both hands on the main tube (A) as shown in Fig. 1. The hands may be positioned anywhere along the main tube to provide the best combination of reach and leverage for the particular application.

**CAUTION** Keep hands on Main Tube (A) Fig. 1. Do not place hand into area around the sanding head. The sanding head swivels in multiple directions and could pinch hand.

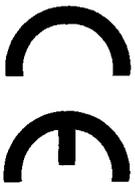
**CONNECT DRYWALL SANDER TO VACUUM CLEANER**

The following items are furnished with the Drywall Sander:

- One vacuum hose, 4m long (includes a standard 32mm vacuum cleaner connector on one end and a special swivel connector on the Sander end), with a static dissipating feature to dissipate static electrical charges that are sometimes experienced when recovering drywall dust.

**EG-Konformitätserklärung**  
**EC-Declaration of Conformity**  
**Declaración de Conformité CE**  
**Declaracion de Conformidad CE**  
**Dichirazione di Conformità CE**  
**EC Konformitätsverklärung**

**CE-Försäkran**  
**EC Konformitetserklärung**  
**CE Erklæring av Ansvarforhold**  
**CE Todistus standardimukaistudesta**  
**Declaración de Conformidade CE**  
**ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΟΚ**



**PORTER+CABLE**  
**Porter-Cable Corporation**  
**4825 Highway 45 North**  
**Jackson, TN 38305**

**D DEUTSCH**  
**CE-KONFORMITÄTS-**  
**ERKLÄRUNG**

Wir erklären in allererge: Vantwon-  
 lücht, nach dieses Produkt mit der  
 Bescheinigung über die Richtlinie  
 89/392/EWG, 73/23/EWG,  
 89/368/EWG übereinstimmt.

**GB ENGLISH**  
**EC-DECLARATION OF CON-**  
**FORMITY**

We declare under our sole responsi-  
 bility, that this product is in  
 accordance with the CE declara-  
 tion covering the following:  
 89/392/EEC, 73/23/EEC,  
 89/368/EEC.

**F FRANÇAISE**  
**DÉCLARATION DE**  
**CONFORMITÉ CE**

Nous déclarons sous notre seule res-  
 ponsabilité que ce produit est  
 conforme aux réglementations  
 89/392/CEE, 73/23/CEE,  
 89/368/CEE.

**SF SUOMI**  
**CE-TODISTUS STANDARDIN-**  
**MUKAISUDESTA**

Todistamme täten ja vastalauenne  
 yksin siltä, että tämä tuote on seu-  
 raavien sääntöjen mukaisesti:  
 89/392/ETA, 73/23/ETA,  
 89/368/ETA.

**PORTER+CABLE**  
 PROFESSIONAL POWER TOOLS

*Robert F. Burkholder*

Robert F. Burkholder  
 Sr. Vice President of Technology

**E ESPAÑOL**  
**DECLARACION DE CONFOR-**  
**MIDAD "CE"**

Declaramos bajo nuestra sola res-  
 ponsabilidad que este producto  
 está en conformidad con las regula-  
 ciones 89/392/CEE, 73/23/CEE,  
 89/368/CEE.

**I ITALIANO**  
**DICHIARAZIONE DI**  
**CONFORMITÀ**

Dichiaro, assumendomi la piena  
 responsabilità di tale dichiarazione,  
 che il prodotto è conforme alla diret-  
 tive 89/392/CEE, 73/23/CEE,  
 89/368/CEE.

**NL NEDERLANDS**  
**EC KONFORMITEITS-**  
**VERKLARING**

Wij verklaren zelf, on product, onder  
 mijn verantwoordelijkheid, dat het  
 overeenstemt met de richtlijnen  
 89/392/EEG, 73/23/EEG,  
 89/368/EEG.

**P PORTUGUES**  
**DECLARAÇÃO DE CONFOR-**  
**MIDADE CE**

Declaramos, sob nossa exclusiva  
 responsabilidade, que este produto  
 cumpre conforme as disposições  
 das directivas 89/392/CEE,  
 73/23/CEE, 89/368/CEE.

**S SVENSKA**  
**CE-FÖRSÄKRAN**

Vi pågår, och ansvarar för, att  
 denna produkt överensstämmer  
 med standarderna och direktiverna  
 89/392/EF, 73/23/EF,  
 89/368/EF.

**DK DANSK**  
**CE-KONFORMITETSERKLÆRING**

Vi erklærer under afmonedig  
 ansvar, at dette produkt er i  
 overensstemmelse med  
 bestemmelserne i direktiverne  
 89/392/EF, 73/23/EF, 89/368/EF.

**PL POLAND**

**CE-Oswiadczenie zgodności**  
 Oświadczamy niniejszym jako  
 wyłączne odpowiedzialny, iż  
 produkt ten odpowiada  
 ustaleniom dyrektyw  
 89/392/EWG, 73/23/EWG,  
 89/368/EWG.

**GR ΔΗΛΩΣΗ**

**ΣΥΜΜΟΡΦΩΣΗΣ ΕΟΚ**  
 Δηλώνουμε με αποκλειστική  
 ευθύνη ότι το παρόν προϊόν  
 ανταποκρίνεται στις διατάξεις  
 των οδηγιών 89/392/ΕΟΚ,  
 73/23/ΕΟΚ, 89/368/ΕΟΚ.

**PORTER+CABLE**  
 PROFESSIONAL POWER TOOLS

Figures, Abbildungen, Figuras, Figures, Afbeeldingen, Figurer, Figur

