

Double Insulated Drywall Cutout Unit



MODEL 399

IMPORTANT

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

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

Part No. 694830-981

Instruction
manual

PORTER+CABLE
PROFESSIONAL POWER TOOLS

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following:

READ AND FOLLOW ALL INSTRUCTIONS.

There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Manager of Product Engineering
Porter-Cable Corporation
Youngs Crossing at Highway 45
P.O. Box 2468
Jackson, TN 38302-2468

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep area well lit. Avoid chemical or corrosive environment. Do not use tool in presence of flammable liquids or gases.



THIS SYMBOL DENOTES DO NOT EXPOSE TO RAIN OR USE IN DAMP LOCATIONS

CE SIGNE EST L'INDICATION DE NE PAS EXPOSER A LA PLUIE ET NE PAS UTILISER DANS LES EMPLACEMENTS HUMIDES

3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of the reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool. Don't use tool for purpose not intended—for example—do not use a circular saw for cutting tree limbs or logs.
8. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. Loose clothing, draw strings and jewelry can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair.
9. **USE SAFETY GLASSES.** Wear safety glasses or goggles while operating power tools. Also face or dust mask if operation creates dust. All persons in the area where power tools are being operated should also wear safety glasses and face or dust mask.
10. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges. Have damaged or worn power cord and strain reliever replaced immediately.

11. SECURE WORK. Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

12. DON'T OVERREACH. Keep proper footing and balance at all times.

13. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Have all worn, broken or lost parts replaced immediately. Keep handles dry, clean and free from oil and grease.

14. DISCONNECT TOOLS. When not in use, before servicing, and when changing accessories such as blades, bits, cutters, etc.

15. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

16. AVOID UNINTENTIONAL STARTING. Do not carry a plugged-in tool with finger on switch. Be sure switch is off when plugging in. Keep hands, body and clothing clear of blades, bits, cutters, etc. when plugging in the tool.

17. OUTDOOR USE EXTENSION CORDS. When tool is used outdoors, use only extension cords marked "Suitable for use with outdoor appliances - store indoors when not in use."

18. STAY ALERT. Watch what you are doing. Use common sense. Do not operate tool when you are tired or while under the influence of medication, alcohol or drugs.

19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

SAVE THESE INSTRUCTIONS

ADDITIONAL SAFETY RULES FOR DRYWALL CUT-OUT UNIT

1. **ALWAYS** disconnect the cord plug from the power outlet before making adjustments and inserting bits.

2. **ALWAYS** be sure the collet nut is securely tightened to prevent the bit from slipping during use.

3. **MAKE CERTAIN** that the workpiece is rigidly held in desired position and free of obstructions.

4. **ALWAYS** hold the Drywall Cutout Unit firmly with both hands.
5. **KEEP** cutting pressure constant. Do not overload the tool.
6. **NEVER** use an electric power tool when standing in water, on wet or damp ground.
7. **KEEP** the tool dry and protected against dampness and dirt.

REPLACEMENT PARTS

When servicing use only identical replacement parts.

MOTOR

Most Porter-Cable tools will operate on either D.C., or single phase 25 to 60 cycle A.C. current and voltage within plus or minus 5 percent of that shown on the specification plate on the tool. Several models, however, are designed for A.C. current only. Refer to the specification plate on your tool for proper voltage and current rating.

CAUTION: Do not operate your tool on a current on which the voltage is not within correct limits. Do not operate tools rated A.C. only on D.C. current. To do so may seriously damage the tool.

EXTENSION CORD SELECTION

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found below. This table is based on limiting line voltage drop to 5 volts (10 volts for 230 volts) at 150% of rated amperes.

If an extension cord is to be used outdoors it must be marked with the suffix W-A following the cord type designation. For example — SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS

		Length of Cord in Feet									
		115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
		230V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	800 Ft.	1000 Ft.
Nameplate Ampere Rating	0-2	18	18	18	16	16	14	14	12	12	12
	2-3	18	18	16	14	14	12	12	10	10	10
	3-4	18	18	16	14	12	12	10	10	8	8
	4-5	18	18	14	12	12	10	10	8	8	8
	5-6	18	16	14	12	10	10	8	8	6	6
	6-8	18	16	12	10	10	8	6	6	6	6
	8-10	18	14	12	10	8	8	6	6	4	4
	10-12	16	14	10	8	8	6	6	4	4	4
	12-14	16	12	10	8	6	6	6	4	2	2
	14-16	16	12	10	8	6	6	4	4	2	2
	16-18	14	12	8	8	6	4	4	2	2	2
18-20	14	12	8	6	6	4	4	2	2	2	

OPERATING INSTRUCTIONS

FOREWORD

Model 399 Porter-Cable Drywall Cutout Unit will make electrical box cut-outs in drywall, paneling, and panel board.

CONNECTING DRYWALL CUTOUT UNIT TO POWER CIRCUIT

CAUTION: Make sure switch is OFF and power circuit voltage is the same as that shown on the specification plate.

Connect Drywall Cutout Unit to power source.

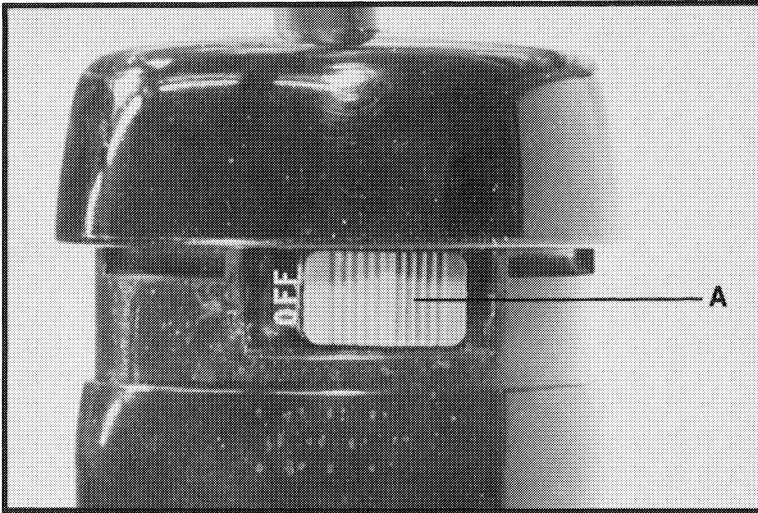


Fig. 1

TO START AND STOP DRYWALL CUTOUT UNIT

The switch bar (A) Fig. 1, is located immediately below the motor cap. To start motor: grasp tool firmly to resist starting torque, slide bar sideways so ON is in view. To stop motor: slide bar in opposite direction so OFF is in view.

TO INSTALL AND REMOVE BIT

1. **CAUTION:** Disconnect machine from power source.
2. Clean and insert shank of bit into collet until shank bottoms. Then back it out approximately 1/16".
3. Lay Motor Unit on bench with the collet pointing AWAY from you.
4. Place one wrench on flats on Chuck and allow opposite end of wrench to rest on the bench to your left.

5. Place other wrench on Collet and turn counterclockwise to tighten. **TIGHTEN FIRMLY.**
6. To remove the bit, reverse the foregoing procedure.

NEVER TIGHTEN COLLET WITHOUT BIT INSERTED. TO DO SO, MAY CAUSE DAMAGE TO COLLET.

TO USE THE DRYWALL CUTOUT UNIT

1. The outlet box should be mounted so that the face of the box extends a minimum of 1/4" from the face of the stud.
2. Before installing the wall covering over the electrical box: position electrical wires to the bottom left side of the electrical box (see Fig. 2). Your hammer handle is an excellent tool for this purpose.

NOTE: It is recommended to make several practice cut-outs using scrap wall covering material nailed over an electrical box.

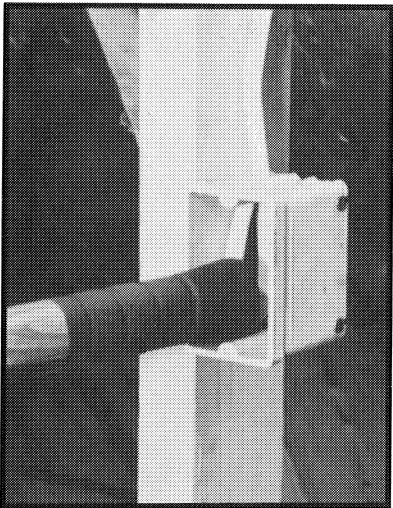


Fig. 2



Fig. 3

3. Position wall covering against wall. Sight electrical box position (see Fig. 3) and mark the approximate center of the box on the face of the wall covering. The hatchet end of your hammer is an excellent tool for this purpose. Attach covering to wall.

NOTE: To prevent damage to wall covering - **DO NOT** install nails or screws within eighteen inches of electrical box prior to completing the cut-out.

4. Turn Drywall Cutout Unit "ON" (See **TO START AND STOP DRYWALL CUTOUT UNIT**).

5. Hold the Drywall Cutout Unit firmly with both hands and push the bit until the pilot is through the wall covering at the mark made in step 3 (See Fig. 4). Move the Drywall Cutout Unit to the right until you feel the bit contact the inside of the electrical box.

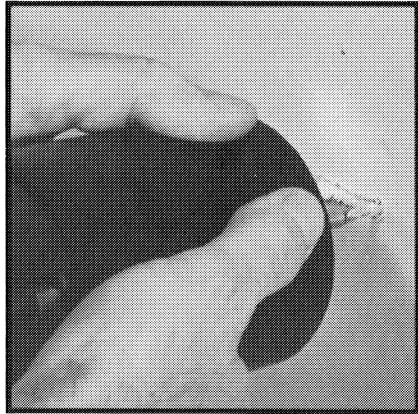


Fig. 4

6. Pull out of the wall just enough to move bit over the side of the electrical box. As soon as it is felt that the bit is on the outside of the electrical box: push the bit into the wall keeping it in contact with the wall of the box.

NOTE: Do not allow bit to cut beyond edge of box as cover plate may not cover cut.

7. Using the electrical box as a template, move the Drywall Cutout Unit in a counterclockwise direction (maintain slight pressure against the side of the electrical box) to complete the cut-out (see Fig. 5 thru 8).

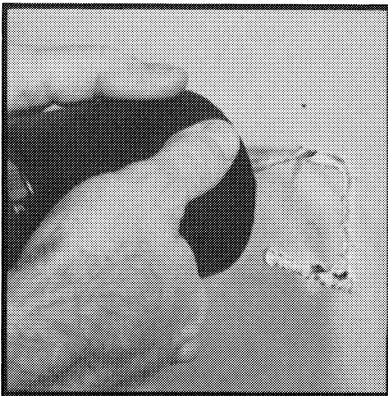


Fig. 5

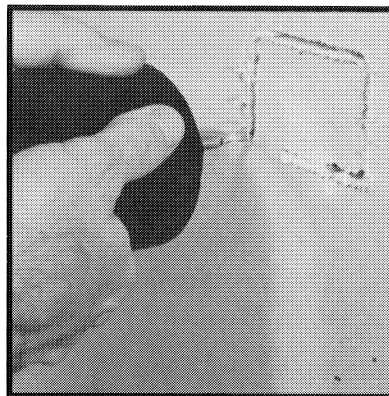


Fig. 6

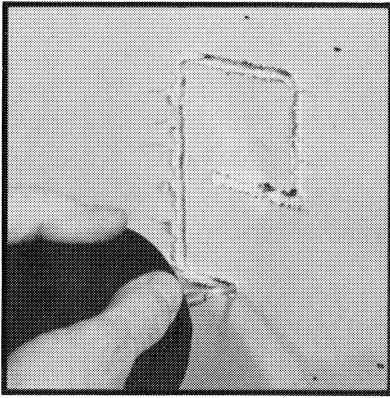


Fig. 7

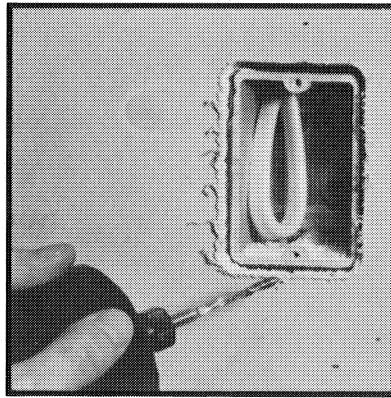


Fig. 8

8. As soon as cut-out is complete; turn Drywall Cutout Unit "OFF" and remove from wall. Allow bit to come to a complete stop before laying tool down.

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with compressed air. All plastic parts should be cleaned with soft cloths. NEVER use solvents when cleaning plastic parts.

CAUTION: Wear safety glasses while using compressed air.

FAILURE TO START

Should your tool fail to start check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

BRUSH INSPECTION AND LUBRICATION

Because this model is "Double Insulated" which provides two complete sets of insulation to protect the user from the electric current within the tool, brush inspection and replacement should ONLY be performed by an AUTHORIZED PORTER-CABLE SERVICE STATION.

At approximately 100 hours of use, take or send your tool to your nearest Authorized Porter-Cable Service Station to be thoroughly cleaned and inspected; worn parts replaced, when necessary; re-lubricated with fresh lubricant, if required; reassembled with new brushes; and performance tested.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION. If proper operating voltage is present, return your tool to the Service Station for immediate service.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should **ONLY** be performed by either an **AUTHORIZED PORTER-CABLE SERVICE STATION** or a **PORTER-CABLE SERVICE CENTER**. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We can not guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

ACCESSORIES

The testing of this tool has been accomplished with the following accessories. For safest operation, it is recommended that only these accessories be used with this product.

WARNING - Since accessories other than those listed have not been tested with this product, use of such accessories could be hazardous.

43222 DRY-WALL CUT-OUT BIT (1/8")

42106 ADAPTOR (Use with 43222)

43218 DRY-WALL CUT-OUT BIT (3/16")

44745 WRENCH

**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 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.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, Youngs Crossing At Highway 45, P.O. BOX 2468, Jackson, Tennessee 38302-2468; Attention: Product Service. The foregoing obligation is Porter-Cable's sole liability under this or any implied warranty and under no circumstances shall Porter-Cable be liable for any incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts on the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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

PORTER-CABLE SERVICE CENTERS

Parts and Repair Service for Porter-Cable Power Tools
are Available at These Locations

ALABAMA

Birmingham 35209
131 West Oxmoor Road
Suite 105
Phone: (205) 942-6325

CALIFORNIA

City of Industry 91745 (Los Angeles)
1305 John Reed Court
Phone: (818) 333-3566

San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (415) 357-9762

COLORADO

Denver 80204
2561 West 8th Avenue
Phone: (303) 892-6113

CONNECTICUT

Manchester 06040 (Hartford)
57 Tolland Turnpike
Phone: (203) 646-1078

FLORIDA

Hialeah 33014 (Miami)
16373-75 NW 57th Ave.
Phone: (305) 624-2523

Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585

Orlando 32803
1807½ Winter Park Road
Phone: (305) 644-8100

GEORGIA

Forest Park 30050 (Atlanta)
4017 Jonesboro Road
Phone: (404) 363-8000

ILLINOIS

Addison 60101 (Chicago)
311 Laura Drive
Phone: (312) 628-6100

LOUISIANA

Kenner 70062 (New Orleans)
2440-0 Veterans Memorial Blvd.
Phone: (504) 469-7363

MARYLAND

Baltimore 21205
4714 Erdman Avenue
Phone: (301) 483-3100

Hyattsville 20781
4811 Kenilworth Avenue
Phone: (301) 779-8080

MASSACHUSETTS

Allston 02134 (Boston)
414 Cambridge Street
Phone: (617) 782-1700

MICHIGAN

Grand Rapids 49508
Broadmoor Business Center
3755 G Broadmoor S.E.
Phone: (616) 949-9040

Southfield 48075 (Detroit)
18650 W. Eight Mile Road
Phone: (313) 569-4333

MINNESOTA

Minneapolis 55429
4315 68th Avenue North
Phone: (612) 561-9080

MISSOURI

North Kansas City 64116
1141 Swift Avenue
P.O. Box 12393
Phone: (816) 221-2070

St. Louis 63119
7574 Watson Road
Phone: (314) 968-8950

NEW JERSEY

Union 07083
945 Ball Avenue
Phone: (201) 964-1730

NEW YORK

Flushing 11365-1595 (N.Y.C.)
175-25 Horace Harding Expwy.
Phone: (718) 225-2040

NORTH CAROLINA

Charlotte 28209
4303-B South Boulevard
Phone: (704) 525-4410

OHIO

Columbus 43214
4560 Indianola Avenue
Phone: (614) 263-0929

Valley View 44125 (Cleveland)
Sweet Valley Business Park,
Unit #18
Phone: (216) 447-9030

PENNSYLVANIA

Bensalem 19020 (Philadelphia)
I-95 Industrial Center
3599 Meadow Lane
Phone: (215) 638-4114

RHODE ISLAND

East Providence 02914
1009 Waterman Avenue
Phone: (401) 434-3620

TEXAS

Dallas 75220
10714 N. Stemmons Freeway
Phone: (214) 353-2996

Houston 77092
5201 Mitchelldale B-9
Phone: (713) 682-0334

San Antonio 78218
Suite 107
2800 N.E. Loop 410
Phone: (512) 654-1061

UTAH

Salt Lake City 84115
2990 Southwest Temple
Phone: (801) 487-4953

VIRGINIA

Richmond 23230
1705 Dabney Road
Phone: (804) 257-7348

WASHINGTON

Renton 98055 (Seattle)
268 Southwest 43rd Street
Phone: (206) 251-6680

WISCONSIN

Milwaukee 53222
10700 W. Burleigh Street
Phone: (414) 774-3650

Authorized Porter-Cable Service Stations are located in all large cities. For the one nearest you,
see the classified section in your phone book (under "Tools-Electric").

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SPEEDTRONIC®, SPEED-BLOC®, SPEEDMATIC®, SAW BOSS®, STAIR-EASE®,
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