

CHICAGO  ELECTRIC®
POWER TOOLS

PORTABLE BANDSAW VARIABLE SPEED

Model 47840

SET UP AND OPERATING INSTRUCTIONS



Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if

not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Power Tool Safety Warnings



WARNING Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. **Work area safety**
 - a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
 - b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
 - c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. Electrical safety

- a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b. **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.*
- c. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f. **If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*

3. Personal safety

- a. **Stay alert, watch what you are doing 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.

- b. **Use personal protective equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*
- d. **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f. **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.*
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of these devices can reduce dust-related hazards.*
- h. **Only use safety equipment that has been approved by an**

appropriate standards agency.
Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

4. **Power tool use and care**

- a. **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.*
- b. **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.*
- c. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d. **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 the hands of untrained users.*
- e. **Maintain power 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.*

- f. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g. **Use the power tool, accessories and tool bits 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.*

5. **Service**

- a. **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.*

Bandsaw Safety Warnings

1. Before each use, make sure the Tension Handle is in the tightened position (making the blade taut).
2. **Never leave the Bandsaw unattended while it is running.** Do not put the Bandsaw down until the blade comes to a complete stop.
3. **Cutting Material.** Make sure cutting material is securely fastened down before operating the Bandsaw. Work slowly and carefully when cutting corners, sharp edges, ragged welds, etc., to avoid snagging.
4. Cutting material and the motor housing can get very hot during operation. Stop work until unit cools down to safe temperature. Spray on a coolant or water onto the blade.

5. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
6. Avoid unintentional starting. Prepare to begin work before turning on the tool.
7. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
8. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
9. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.
10. This product is not a toy. Keep it out of reach of children.
11. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
 - Avoid operating alone.
 - Do not use with power switch locked on.
 - Properly maintain and inspect to avoid electrical shock.
 - Any power cord must be properly grounded. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.
12. **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 or other masonry products
 - 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. (California Health & Safety Code § 25249.5, *et seq.*)
13. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
14. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may 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.

Vibration Safety

This tool vibrates during use.

Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any

abnormal vibration occurs, stop use immediately.



SAVE THESE INSTRUCTIONS.

GROUNDING

WARNING

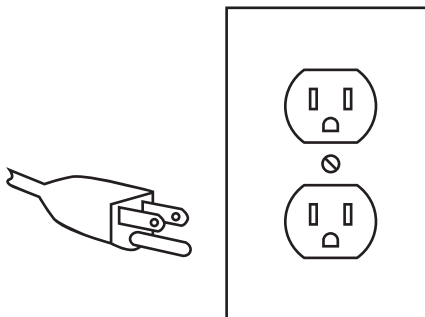
TO PREVENT ELECTRIC SHOCK

AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:



Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Grounded Tools: Tools with Three Prong Plugs



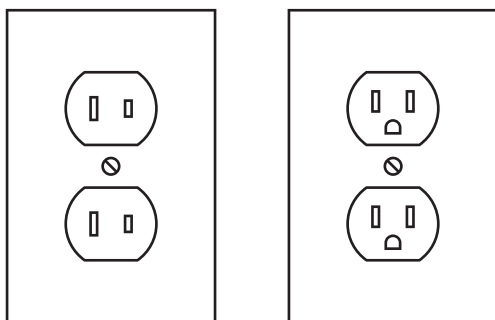
3-Prong Plug and Outlet

1. Tools marked with "Grounding Required" have a three wire cord

and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See 3-Prong Plug and Outlet.)**

2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. **(See 3-Prong Plug and Outlet.)**
3. The tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. **(See 3-Prong Plug and Outlet.)**

Double Insulated Tools: Tools with Two Prong Plugs



Outlets for 2-Prong Plug

1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the

applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. **(See Outlets for 2-Prong Plug.)**

2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. **(See Outlets for 2-Prong Plug.)**

Extension Cords

1. **Grounded** tools require a three wire extension cord. **Double Insulated** tools can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Table A.)**
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Table A.)**
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Table A.)**
5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Table A.)**
6. If you are using an extension cord outdoors, make sure it is marked with






the suffix “W-A” (“W” in Canada) to indicate it is acceptable for outdoor use.

7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120/240 VOLT)					
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

TABLE A * Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

Symbology

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
	Volts Alternating Current
	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)

SPECIFICATIONS

Capacity	4-1/2" x 4-1/2"
Motor	120 V~ / 60 Hz / 6 A
Blade FPM	0 ~ 230
Blade TPI	14
Blade Dimensions	44-7/8" L x 1/2" W x 0.025" Thick
Features	3 Bearing Blade Guide, Trigger Lock, Variable Speed

Note: Performance of this tool (if powered by line voltage) may vary depending on variations in local line voltage. Extension cord usage may also affect tool performance.

UNPACKING

When unpacking, make sure that the tool is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

ASSEMBLY



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

WARNING

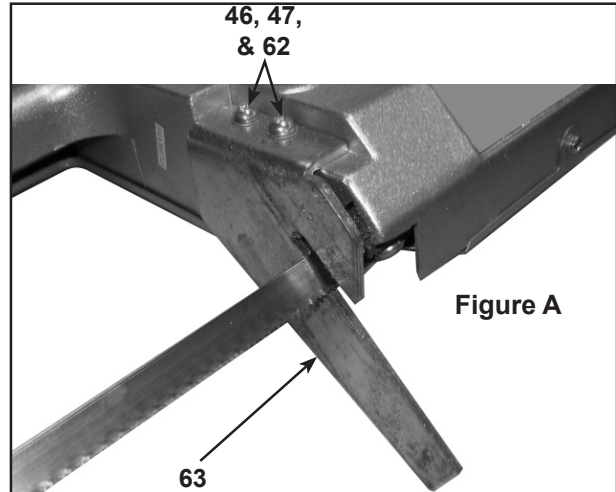
TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

1. The Guide Bar needs (63) to be assembled to the bandsaw for proper operation.

2. Remove the Screws (62) on the Frame (21), along with their Lock and Flat Washers (47, 46). See Figure A, below.



3. Install the Guide Bar around the blade as shown using the Screws (62), Lock Washers (47), and Flat Washers (46). See Figure A, above.

OPERATION

WARNING! Before each use, make sure the Tension Handle is in the tightened position (making the blade taut).

WARNING! Never use a blade which is not in accordance with the sizes approved for this Bandsaw. If you are unsure of the blade, do not use it and contact a Harbor Freight technician at the number on the cover of this manual.

Select the proper blade according to the cutting material and the diameter of the workpiece.

This bandsaw comes with a 14 teeth-per-inch blade which is suitable for most applications (see below). It accepts 44-7/8" x 1/2" x .025" Blades.

14 TPI - Soft/ Thick Material
(aluminum, lead, rubber-like material, wood)

Other applications for 24 teeth-per-inch blades (not included) are shown below:

24 TPI - Hard/Thin Material
(cast iron, soft steel, hard steel)

Switch Operation

WARNING! Before plugging in the Bandsaw make sure the trigger switch on the inside upper portion of the U-shaped handle returns to it's original position after being depressed. Test it by depressing it with your index finger and letting go. It should spring back into position if it is in working order.

1. When the trigger is pulled, the saw motor will switch on.

2. When the trigger is released, the motor stops.
3. Adjacent to the trigger is the lock button. This enables you to lock on the motor without continually depressing the trigger. To activate the lock switch, turn on the motor as explained in Step 1. While continuing to depress the trigger, engage the lock button with your thumb. Release the trigger and the motor will stay locked on. To disengage the lock button, pull the trigger again.

How to Cut

1. Secure your work piece to a workbench or other solid surface.
2. Make sure the cord is out of the way.
3. Set the Guide Bar (63) against the work piece, keeping blade at a 90° angle against the work piece.
4. Turn on the Bandsaw and allow it to come up to full speed before starting the cut.
5. Adjust speed by turning the Variable Speed Dial (78). See Figure B, below.

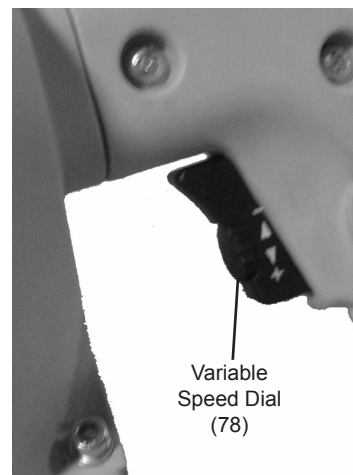


Figure B

- Tilt the unit so that the blade is vertical as shown in Figure C, below. To start a cut, use minimal force to start a groove. Once grooved is started, allow the rest of the blade to cut into workpiece. Doing this will prevent blade from moving from side-to-side during cutting.

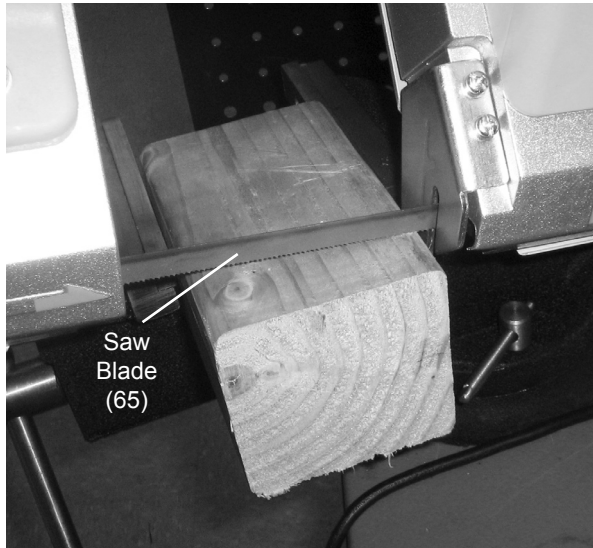


Figure C

- When the motor turns on, the blade will begin turning in a counterclockwise direction and begin cutting.
- Do not apply force to the tool by exerting too much hand pressure or leaning into it. The weight of the tool itself creates enough force to make a clean cut. Be patient. Forcing or leaning on the tool may twist or break the blade, damaging the saw and possibly causing injury.
- As you reach the end of your workpiece, finish off the cut by slightly raising the unit slowly, bringing the blade up.

Install/Replace a Saw Blade

WARNING! Make sure the trigger is unlocked and unplug the tool before installing and removing a saw blade.

- Use a screwdriver to remove the Blade Cover Screws (67) and slide Blade Cover (66) off the Frame (31).
- Set the Frame so that the edge of the used Blade is pointing away from you. (Once Blade tension is released, it will slide off quickly.)
- Turn the Tension Handle (24) to release Blade tension. Slide old Blade off Gear Wheels (41c, 41d). See Figure D, below.

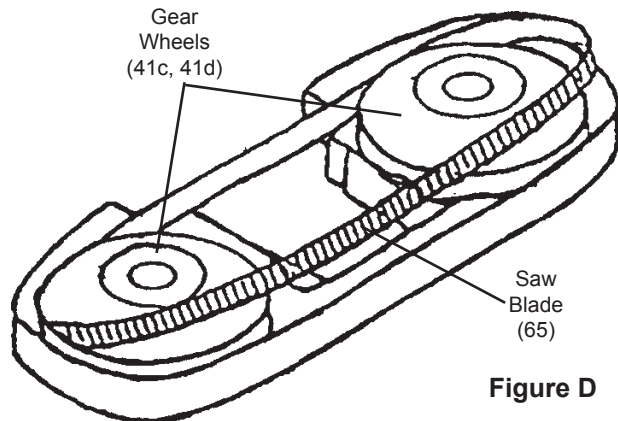


Figure D

Note: When installing new Blade, make sure Blade is installed with the teeth pointing upward (or facing you).

4. Set the blade into both Guide Bearings (45), making sure the Blade is centered on the Bearings (See Figure E, below).

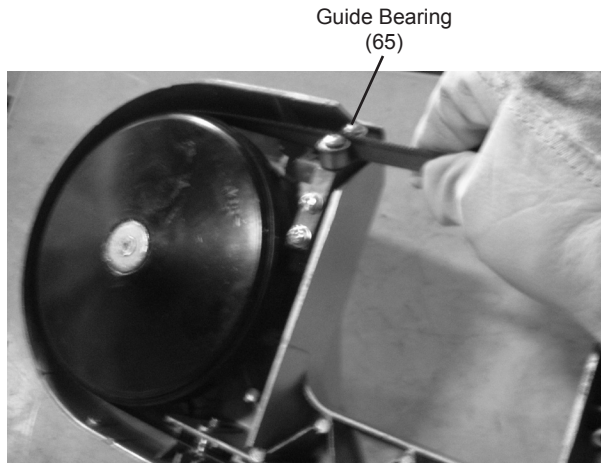


Figure E

5. Hold the blade on the guides and push in as shown in Figure E. Make sure the blade evenly fits around the wheels.
6. Turn the Tension Handle (24) until the blade is taut and the handle "Tight".
7. Plug in the tool and put on your ear/ eye protection, and turn on the tool. Inspect the blade and make sure it runs steady and evenly around the wheels, and that the teeth are pointed in the correct direction.

MAINTENANCE

WARNING! When servicing, use only identical replacement parts from Harbor Freight Tools. Failure to use identical replacement parts will void the warranty.

1. Keep the motor housing clear of debris.
2. Wipe the tool clean regularly with a clean cloth or dry brush. Never use solvents or harsh cleaners.
3. Keep the saw blade clean by regularly removing any oil or debris.
4. Inspect the power cord before each use. If any damage exists, have it replaced by a qualified technician.
5. If you see any sign of saw blade slippage, make sure blade tension is correct.
6. No motor lubrication is required. Under normal operating conditions, the bearings are sufficiently lubricated for the life of the machine.
7. When not using the tool for long periods of time, remove the saw blade.

Cleaning or Replacing the Carbon Brushes (4)

1. Unscrew the Brush Cap (5).
2. Carefully slide out the Carbon Brushes (4). Do not force or bend the spring attached to the brushes.
3. Examine the springs for dirt or wear. To remove dirt, lightly rub with a common pencil eraser. If the springs are very dirty, stretched, or worn at all, replace them with new ones.
4. When replacing the Carbon Brushes (4), slide them back in slowly, being careful not to bend them or catch them on the side of the cylinder. Carefully screw on the Brush Cap (5).

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

PARTS LIST

Part	Description	Qty.
1	Allen Head Bolt M6 x 60	4
2	Flat Washer Ø6	6
3	Motor Housing	1
4	Carbon Brush	2
5	Brush Cap	2
6	Rubber Bearing Holder	1
7	Ball Bearing 80018	2
8	Pan Head Screw M5 x 50	2
9	Field Assembly	1
10	Baffle	1
11	Armature	1
12	Fan	1
13	Ball Bearing 80029	2
14	Front Bracket	1
15	Bushing	1
16	Gear 74	1
17	Stop Ring Ø12	1
18	Ball Bearing 80201	1
19	Pin Ø4 x 6	2
20	Gear Shaft 75	1
21	Needle Bearing	1
22	Gear Shaft 72	1
23	Gear Shaft 73	1
24	Tension Handle	1
25	Flat Washer Ø20.5 x 0.5	1
26	Grip Handle	1
27	Allen Head Bolt M6 x 40	2
31	Frame	1
32	Left Blade Guide	1
34	Spring	2
35	Yoke	1
36	Collar	3
37	Flat Head Screw M5 x 15	2
38	Spring Fitting Plate	1
39	Pan Head Screw M5 x 20	2

Part	Description	Qty.
40	Pan Head Screw M5 x 15	1
41c	Rubber Gear Wheel, Drive	1
41d	Rubber Gear Wheel, Motor	1
42	Screw	2
45	Guide Bearing	1
46	Flat Washer Ø5	6
47	Lock Washer	6
48	Phillips Screw M5 x 35	4
49	Bearing 100698	3
50	Pin Shaft	1
51	Screw	4
52	Lower Handle Housing	1
54	Switch	1
55	Cord & Plug	1
56	Cord Guard	1
57	Fixing Plate	1
58	Screw M4 x 18	2
59	Screw M4 x 12	2
60	Screw M4 x 25	3
61	Upper Handle Housing	1
62	Screw M5 x 30	2
63	Guide Bar	1
65	Blade 1140 x 13 x 0.5	1
66	Blade Cover	1
67	Blade Cover Screw M4 x 10	4
68	Square	1
69	Hex Key 6mm	1
70	Bushing	1
72	Cross Pan Head Screw	1
73	Brush Holder	2
74	Embedding Assembly	1
75	Bushing	1
77	Bearing Assembly	4
78	Variable Speed Dial	1

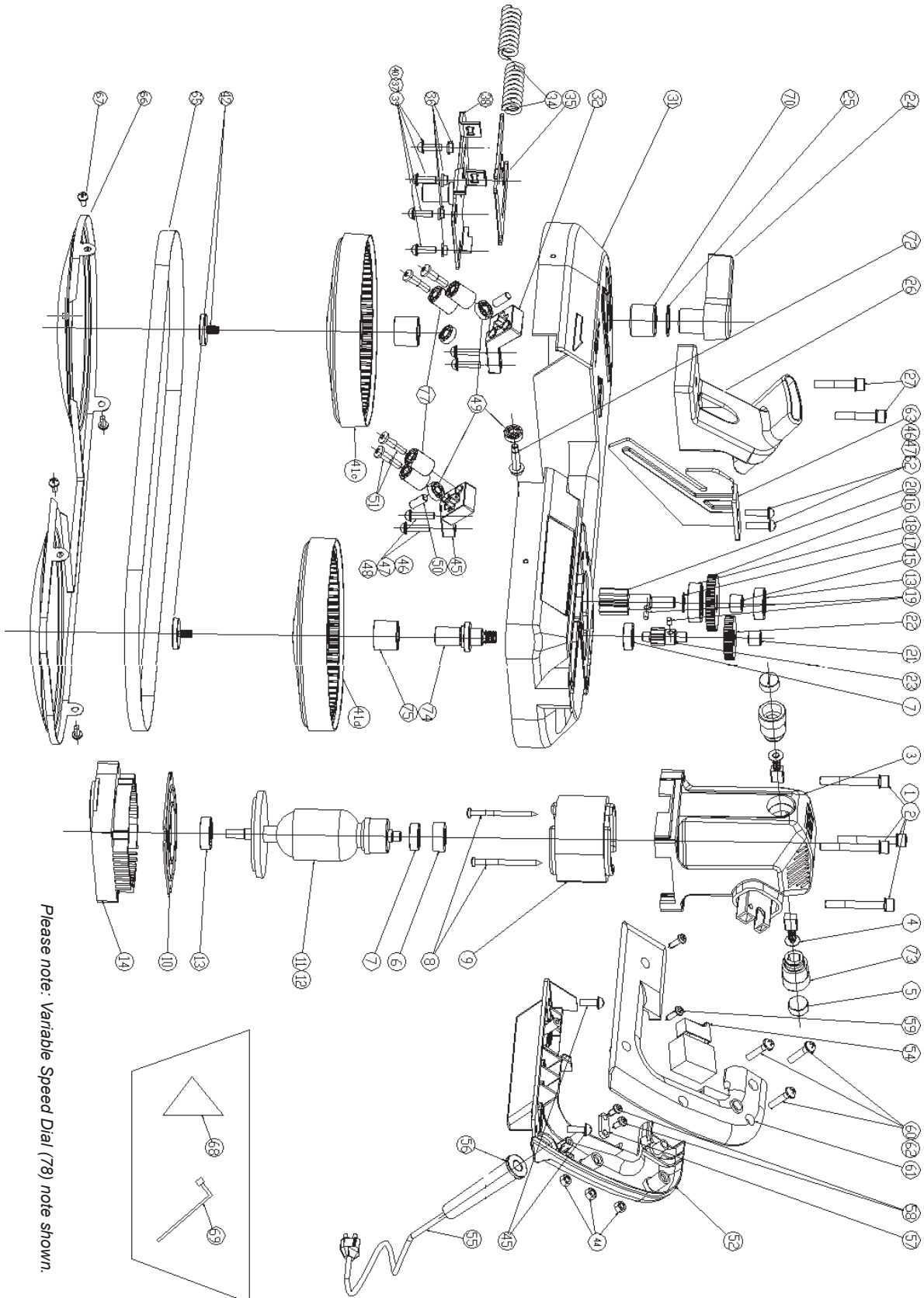
REV 04a; 04g; 04h; 06f; 06g; 10g

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For technical questions, please call 1-800-444-3353.

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ASSEMBLY DIAGRAM



REV 04a; 04g; 04h; 06f; 06g

SKU 47840

For technical questions, please call 1-800-444-3353.

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LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace

the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

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• Camarillo, CA 93011 • (800) 444-3353