

# SETUP & OPERATION MANUAL

## FEATURES & SPECIFICATIONS

- The over arm blade cover system with dust collection capability is designed for more efficient dust collection, sawdust is immediately removed and will not accumulate on the table top.
- A tubular steel column supports the telescopic over arm boom.
- 4" main boom and 3" inner boom.
- Flexible 3" hose connects the blade cover to the boom.
- Heavy-duty, see-through blade cover, counterbalanced for smooth efficient operation.

**BOOM HEIGHT ABOVE FLOOR**  
33 3/4" TO 48 1/2" (860 TO 1230 mm)

**BOOM HEIGHT ABOVE TABLE**  
13 3/8" (340 mm)

**MAIN BOOM DIAMETER**  
4" (102 mm)

**INNER BOOM DIAMETER**  
3" (77 mm)

**DISTANCE BETWEEN BLADE AND END OF  
EXTENSION TABLE**  
39 3/4" TO 67" (1010 TO 1700 mm)

**BLADE COVER DIMENSIONS**  
3 1/8" X 17"  
(80 x 432 mm) 50-EXBC10  
3 1/8" X 20 1/8"  
(80 x 512 mm) 50-EXBC14

**WEIGHT**  
58 LBS (26.5 kg)

## OVER ARM BLADE COVER SYSTEM *with dust collection capability*

**BLADE COVER SYSTEM ONLY -  
TABLE SAW & DUST COLLECTOR SOLD SEPARATELY**



# MODEL

#50-EXBC10  
#50-EXBC14





## **GENERAL® INTERNATIONAL**

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**THANK YOU** for purchasing the Excalibur by General® International model 50-EXBC10/14 Blade Cover. This blade cover has been carefully tested and inspected before shipment and if properly used and maintained, will provide you with years of reliable service. To ensure optimum performance and trouble-free operation, and to get the most from your investment, please take the time to read this manual before assembling, installing and operating the unit.

The manual's purpose is to familiarize you with the safe operation, basic function, and features of this blade cover as well as the set-up, maintenance and identification of its parts and components. This manual is not intended as a substitute for formal woodworking instruction, nor to offer the user instruction in the craft of woodworking. If you are not sure about the safety of performing a certain operation or procedure, do not proceed until you can confirm, from knowledgeable and qualified sources, that it is safe to do so.

Once you've read through these instructions, keep this manual handy for future reference.

## **GENERAL® INTERNATIONAL WARRANTY**

*All component parts of Excalibur by General® International products are carefully tested and inspected during all stages of production, and each unit is thoroughly inspected upon completion of assembly. Because of our commitment to quality and customer satisfaction, General® International agrees to repair or replace, within a period of 24 months from date of purchase, any genuine part or parts which, upon examination, prove to be defective in workmanship or material. In order to obtain this warranty, all defective parts must be returned freight pre-paid to General® International Mfg. Co., Ltd. Repairs attempted without our written authorization will void this warranty.*

**Disclaimer:** The information and specifications in this manual pertain to the unit as it was supplied from the factory at the time of printing. Because we are committed to making constant improvements, General® International reserves the right to make changes to components, parts or features of this unit as deemed necessary, without prior notice and without obligation to install any such changes on previously delivered units. Reasonable care is taken at the factory to ensure that the specifications and information in this manual corresponds with that of the unit with which it was supplied. However, special orders and "after

factory" modifications may render some or all information in this manual inapplicable to your unit. Further, as several generations of this blade cover and several versions of this manual may be in circulation, if you own an earlier or later version of this unit, this manual may not depict your unit exactly. If you have any doubts or questions contact your retailer or our support line with the model of your unit for clarification.

# Rules for Safe Operation

**To help ensure safe operation, please take a moment to learn the machine's applications and limitations, as well as potential hazards. General International disclaims any real or implied warranty and hold itself harmless for any injury that may result from the improper use of its equipment.**

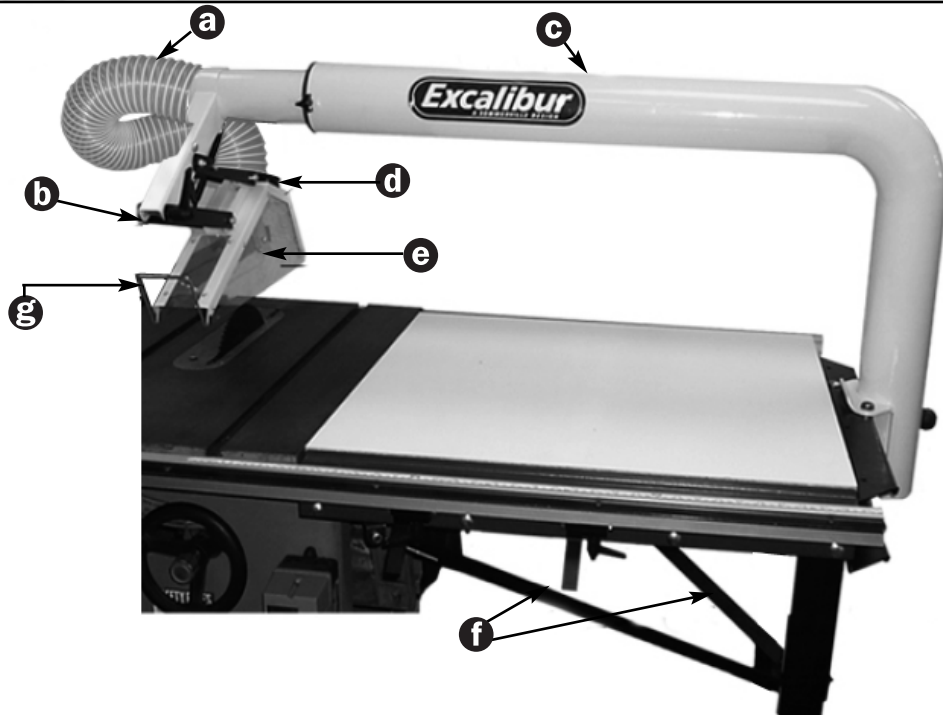
1. Be sure to read, understand and follow all warnings and safety guidelines supplied with your table saw and dust collector.
2. Do not use any machinery when tired, distracted, or under the effects of drugs, alcohol or any medication that impairs reflexes or alertness.
3. Keep safety guards in place and in working order.
4. Keep work area well lit, clean and free of debris.
5. Do not use tools in dangerous environments. Do not use power tools in damp or wet locations or expose them to rain.
6. Keep children and visitors at a safe distance when machinery is in operation. Do not permit them to operate any machinery.
7. Childproof and tamper proof your shop and all machinery with locks, master electrical switches and switch keys, to prevent unauthorized or unsupervised use.
8. Don't force the tool. It will function better and safer at the rate for which it was designed.
9. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which may get caught in moving parts. Non-slip footwear is also recommended. Wear protective hair covering to contain long hair.
10. Stay alert! Give your work your undivided attention. Even a momentary distraction can lead to serious injury.
11. Always use safety glasses. Use a face or dust mask if cutting operation is dusty. Everyday glasses only have impact resistant lenses - they are NOT safety glasses.
12. Do not overreach. Keep proper footing and balance at all times.
13. Disconnect power tools before servicing and when changing blades.
14. 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 and/or 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 replaced or properly repaired.
15. Never leave power tool running while unattended. Turn power off. Don't leave the tool until it comes to a complete stop.
16. Be sure that adjusting wrenches, tools and other clutter are removed from the unit and/or the table surfaces before starting the machine.
17. Use of parts and accessories not recommended by General® International may result in equipment malfunction or risk of injury.
18. Do not use this blade cover for any purpose other than its intended use. If used for other purposes, General® International disclaims any real or implied warranty and holds itself harmless for any injury which may result from such use.



## OVERARM BLADE COVER SYSTEM

50-EXBC10/14

### IDENTIFICATION OF MAIN PARTS AND COMPONENTS



**FRONT VIEW**



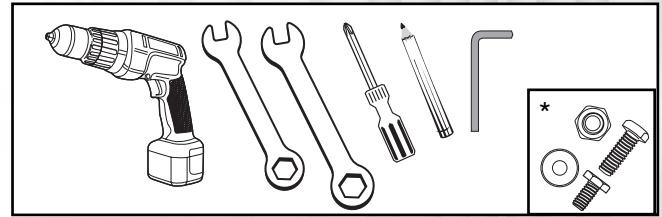
**SIDE VIEW**

- a** DUST HOSE
- b** SWING ARM
- c** BOOM ASSEMBLY
- d** HOOD FRAME
- e** LENSES
- f** DIAGONAL BRACES
- g** BUMPER HANDLE
- h** BOOM MOUNT - CHANNEL
- i** EXTENSION LEG

# UNPACKING AND SET-UP

## ADDITIONAL REQUIREMENTS FOR SET UP

- Drill with drill bits
- 5/16", 7/16" and 9/16" wrenches and/or socket set
- Standard and Phillips screwdrivers
- Pencil
- 1/8" Allen Key



**\*NOTE:** Additional hardware nuts, bolts, washers & wood screws may be required to fasten the diagonal braces to your extension table.

## UNPACKING

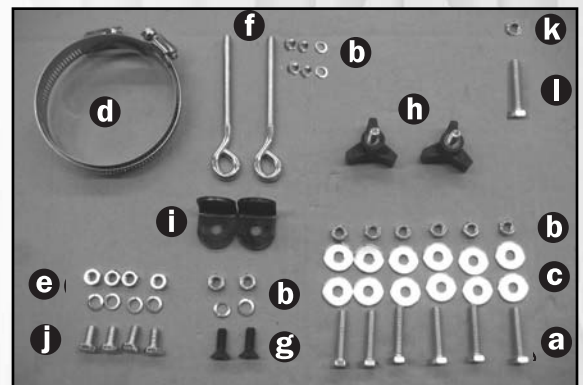
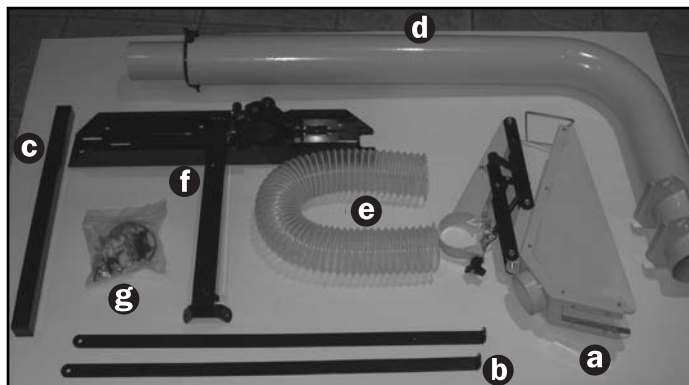
Carefully unpack and remove the unit and its components from the box and check for missing or damaged items as per the list of contents below.

**NOTE:** Please report any damaged or missing items to your **GENERAL® INTERNATIONAL** distributor immediately.

## LIST OF CONTENTS

Separate and verify that all parts are in your accessories hardware bags.

	QTY	Parts Bag consists of	QTY
a. HOOD ASSEMBLY .....	1	a. 1/4"-20 BOLT X 1 1/2" L.....	6
b. DIAGONAL BRACES .....	2	b. 1/4"-20 HEX NUT .....	16
c. EXTENSION LEG .....	1	c. 1/4" WASHER .....	12
d. BOOM ASSEMBLY .....	1	d. 3" HOSE CLAMP.....	2
e. DUST HOSE .....	1	e. 1/4" SPLIT LOCK WASHER .....	8
f. BOOM MOUNT CHANNEL .....	1	f. 1/4"-20 X 4 EYE BOLT.....	2
g. PARTS BAG .....	1	g. 1/4"-20 X 3/4 FLAT HEAD BOLT...	2
		h. LOCK KNOB.....	2
		i. ANGLE BRACKET .....	2
		j. 1/4"-20 SCREW X 1/2"L.....	4
		k. 5/16" NUT.....	1
		l. 5/16" X 1-1/2" HEX BOLT.....	1

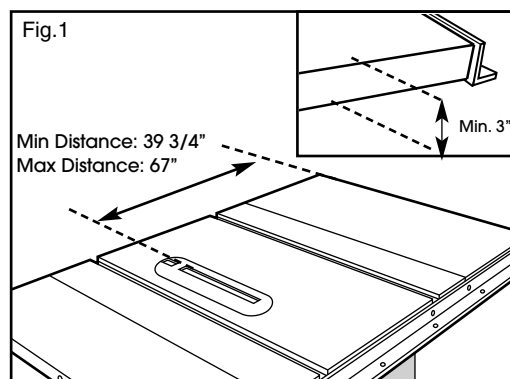


# BASIC FUNCTIONS OF THIS UNIT

The 50-EXBC is designed as a blade cover and dust collection hood only. It is intended for use on 10" (model 50-EXBC10) or 12-14" (model 50-EXBC14) tables saws, along with your existing guard, splitter or other anti-kickback device. If needed, the rear lens may be removed or slit to accommodate other safety devices.

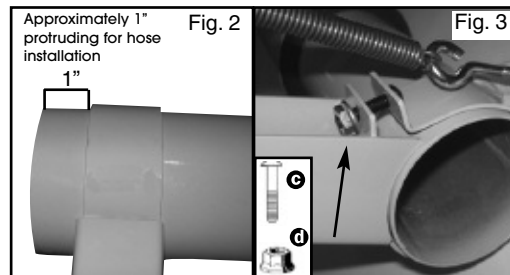
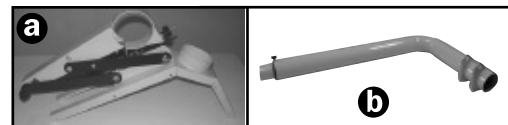
The unit is designed to connect to any 4" dust collection system to remove saw dust at the source directly above the blade. The boom mount must be connected to the end of your table saw extension table and allows the blade cover to swing out of the way or to be completely removed as needed, in a matter of seconds, for blade changes and/or special cutting applications.

For ideal installation without modification a minimum distance from the end of your extension table to the blade of 39 3/4" is required. The telescopic inner boom can be extended to accommodate a distance from the end of the extension table to the blade of 67". (Fig.1) To securely attach to the end of an extension table, a minimum 3" apron on the end of the extension table is required. (See Inset)



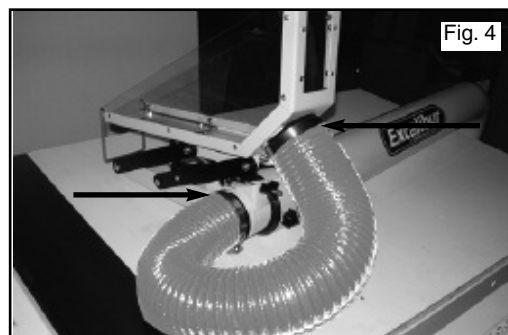
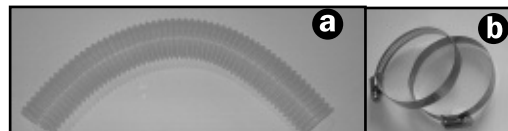
## MOUNT THE HOOD ASSEMBLY TO THE INNER BOOM

1. Slide the hood assembly **a** over the end of the inner boom **b**, leaving approximately 1" of the inner boom protruding past the mount. (Fig. 2)
2. Insert a 1/4" x 1 1/4" button head bolt **c** through the two holes in the band clamp section of the mount on the underside. Thread on a 1/4" lock nut **d** and tighten. ( Fig. 3)



## INSTALL THE DUST HOSE

1. Install the dust collection hose **a** between the hood and the inner boom using the two supplied hose clamps **b**, as shown in Figure 4.

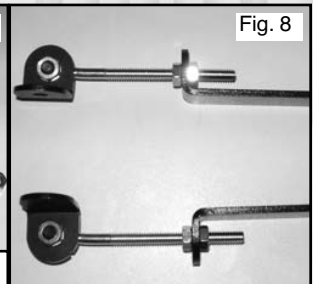
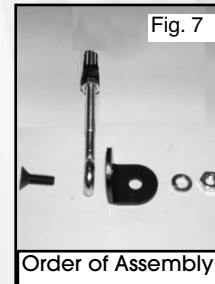
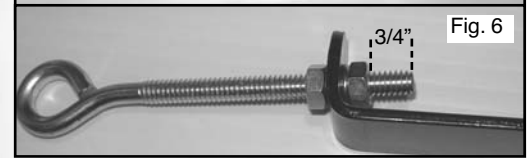
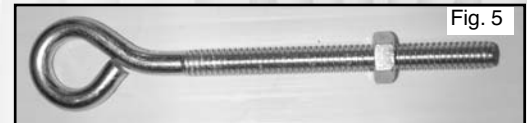




## DIAGONAL BRACE ASSEMBLY

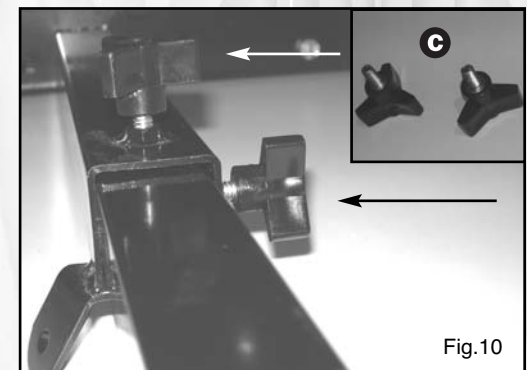
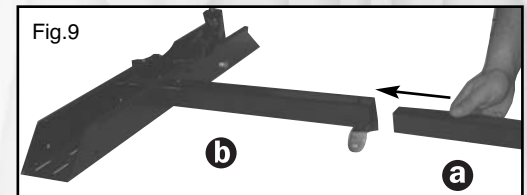
1. Spin a 1/4" hex nut onto each eyebolt. (Fig. 5)
2. Pass the eye bolts through the holes in the bent ends of the diagonal braces and secure the eye bolts to the diagonal braces using a lock washer and another nut. Leave approximately 3/4" of the eye bolts protruding past the second nut. (Fig. 6)
3. Fasten the brace mount angle brackets to the eyebolts using a 1/4" x 3/4" flat head bolt, lock washer and hex nut. (See Figure 7 for order of assembly)

**Note:** Make sure the two assemblies are mirror image to each other, (Fig. 8) and set the brace assemblies aside for now.



## BOOM-MOUNT ASSEMBLY

1. Insert the extension leg **a** into the upper leg of the boom mount channel **b**. (Fig. 9)
2. Use the two supplied lock knobs **c** to secure the extension leg in the upper leg at the desired height. (Fig. 10)



# BOOM-MOUNT CHANNEL INSTALLATION

1. Set the boom mount channel against the edge of your extension table, lining up the mounting pin **a** on the boom mount with the center of the blade **b**. (Fig. 11)

**Note:** Because the slots in the boom mount channel are elongated - allowing for fine tuning later, perfect alignment is not critical at this stage.

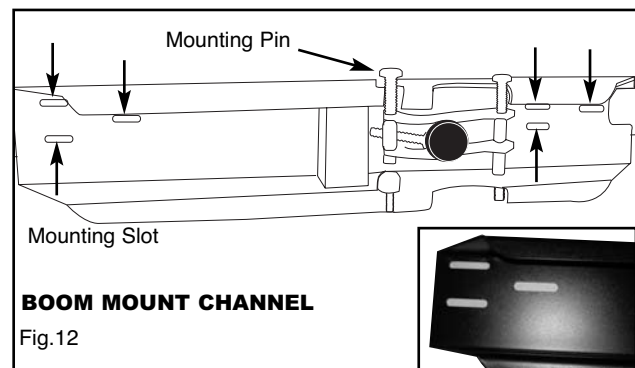
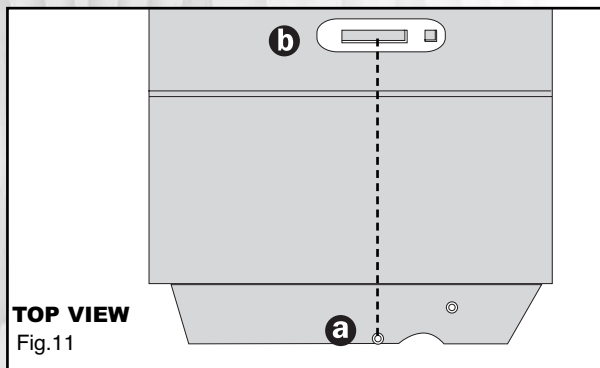
2. With a pencil, mark the hole placement in the table apron at the center of each mounting slot in the boom mount channel. (Fig. 12)

**Note:** If your current extension table includes corner support legs, the legs may need to be removed if they interfere with the hole placement for the boom mount channel.

**Note:** For ideal installation, use bolts in all 6 mounting slots.

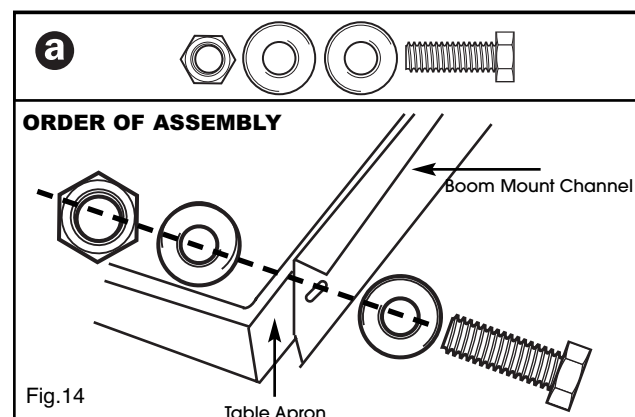


Using less than 4 slots (2 at each end) is not recommended and can lead to system failure and serious personal injury.



3. Set the boom mount channel aside and drill through-holes in the extension table apron. (Fig. 13)
4. Secure the boom mount channel to the extension table using the supplied mounting hardware **a** in the order shown. (Fig. 14)

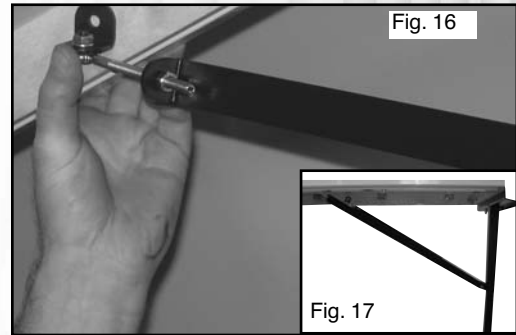
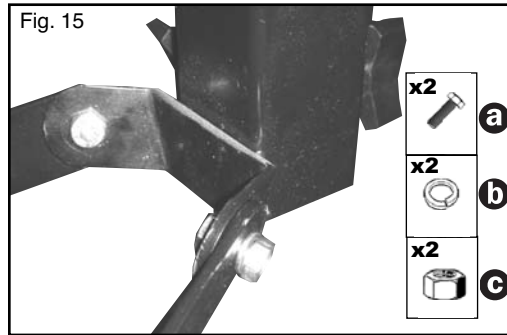
**Note:** The supplied mounting hardware will accommodate a typical installation with a table apron of up to 3/4" thick. For thicker aprons, longer bolts (not supplied) may be required.





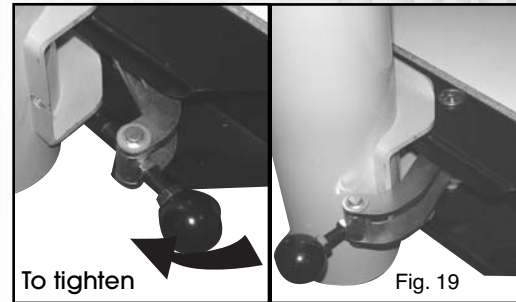
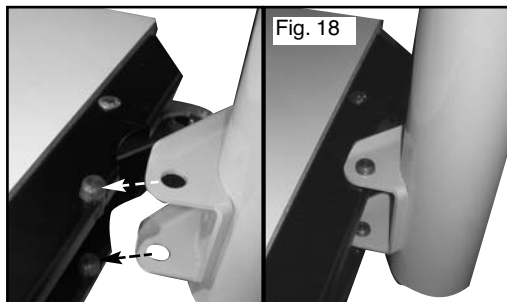
# DIAGONAL BRACE INSTALLATION

1. Attach the straight end of the diagonal braces to the tabs at the lower end of the boom mount support leg using two 1/4" x 1/2" bolts, **a**, lock washers, **b**, and hex nuts **c**. (Fig. 15)
2. Swing the diagonal braces into position on the underside of the extension table. (Fig. 16)
3. Mark the hole placement and drill suitable holes to accommodate bolts or woodscrews. (Not included)
4. Fasten the braces to the underside of the table. ( Fig. 17)

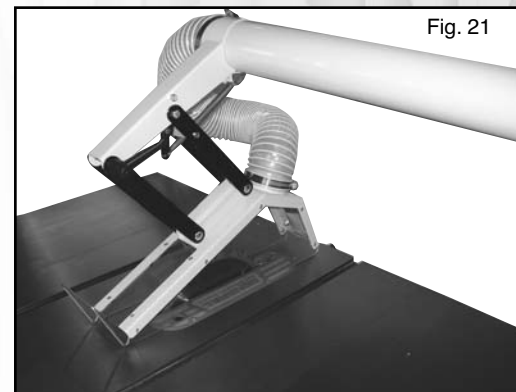
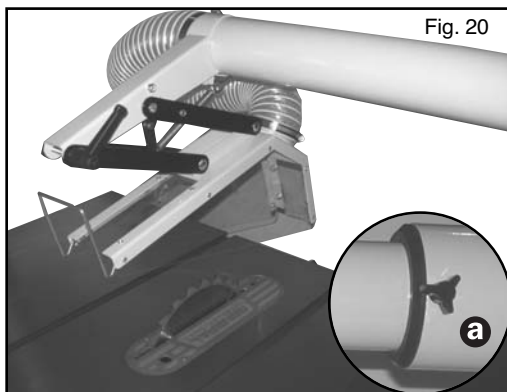


# FIT THE BOOM TO THE BOOM MOUNT CHANNEL

1. Place the boom/hood assembly on the pivot pins located on the boom mount channel (Fig. 18) and swing the arm over the table.
2. Secure the locking pin to hold the boom in position. (Fig.19).



3. Loosen the boom clamp knob **a** and extend the boom to position the hood assembly over the blade. (Fig. 20)
4. Lower the hood assembly into the down position over the blade (Fig. 21) and as needed, adjust the boom mount channel position to roughly center the hood assembly over the blade.



5. Tighten the mounting bolts and secure the boom mount channel in position on the extension table. (Fig.22)
6. If you notice any sag or if the extension table is not level with the main table, adjust the height of the support leg (Fig. 23, **a**) to support the added weight of the boom/hood assembly.
7. The diagonal braces can be tightened or loosened to allow the boom assembly to be levelled as needed by adjusting the nuts on the eye bolt. (Fig. 23)

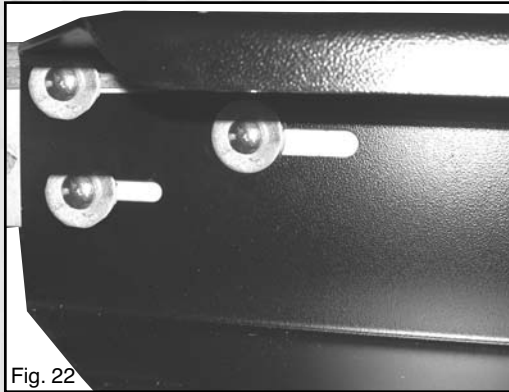


Fig. 22

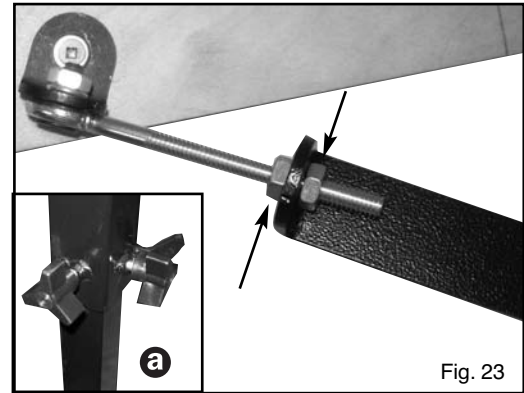


Fig. 23

## ADJUSTMENTS

1. The resistance or balance of the swing arm assembly can be adjusted with the spring knob located on the rear of the swing arm assembly. (Fig. 24)
2. The hood may be locked in any position by tightening the hood lock handle **a** located on the right side of the hood. (Fig. 25)

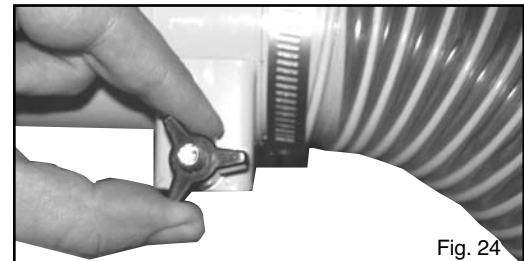


Fig. 24

**Note: It is recommended the hood be locked in the upper position when removing or swinging the boom and hood assembly from the saw.**

3. The length of the telescoping boom may be adjusted by loosening the boom clamp knob **b** and sliding the inner boom in or out as required. (Fig. 26)

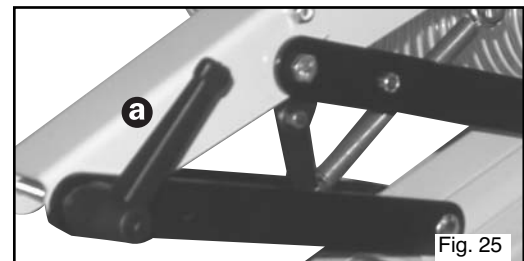


Fig. 25

**Note: Do not over-tighten the clamp knob. It takes little pressure to clamp the boom securely.**

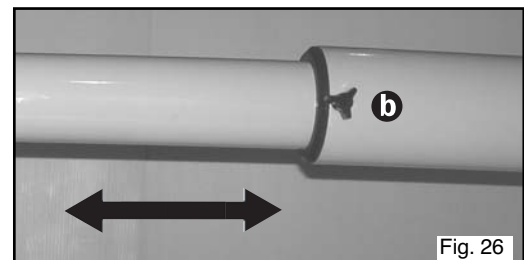
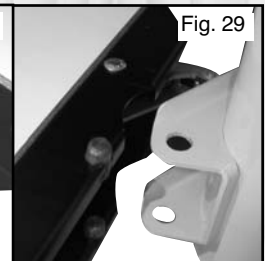
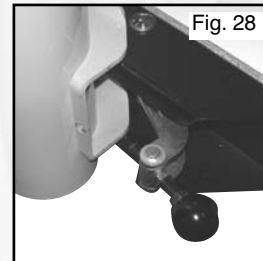
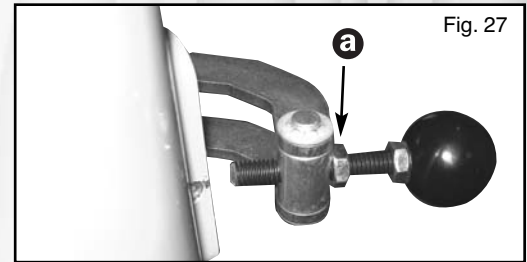


Fig. 26

4. The bottom lock knob located on the boom mount channel may need to be adjusted. Loosen the lock nut **a** on the threaded lock pin and turn the handle in the desired direction to tighten or loosen the lock. (Fig. 27)

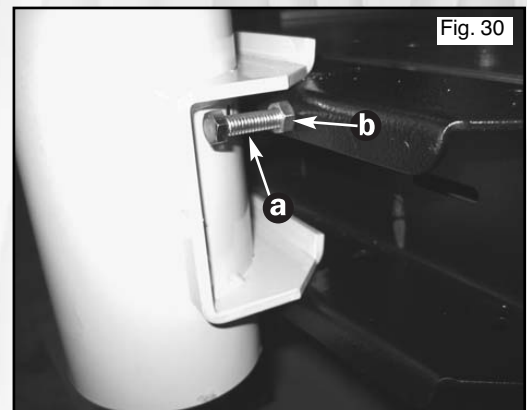
**Note: The pin needs to swing just past center to lock properly.**

5. To remove the boom assembly from the saw, release the lock pin (Fig. 28), swing the boom assembly back and lift it off the pivot pins. (Fig. 29)



## PARALLEL BOOM ADJUSTMENT

1. Adjust the hex head stop bolt **a** in or out as needed to align the boom parallel to the front and back edges of the saw. (FIG. 30)
2. With the boom alignment set, tighten down on the nut **b** to secure the bolt in place.



## CONNECTING TO A DUST COLLECTOR

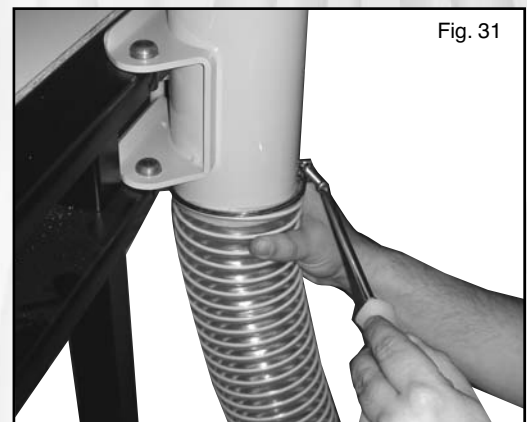


**BEFORE STARTING THE TABLE SAW, CONNECT TO A DUST COLLECTION SYSTEM.**

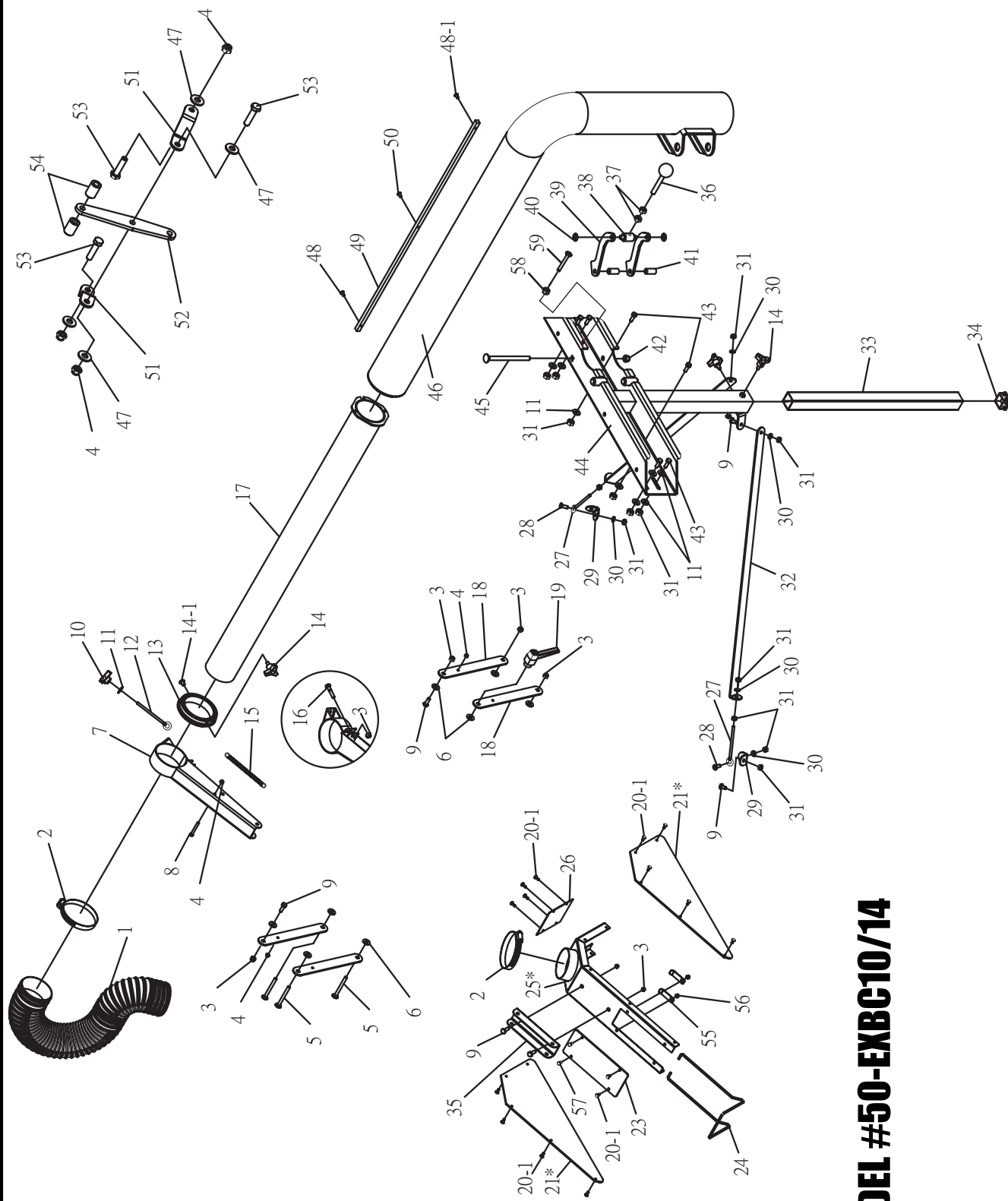


**ALWAYS TURN ON THE DUST COLLECTOR BEFORE STARTING THE TABLE SAW AND ALWAYS STOP THE TABLE SAW BEFORE TURNING OFF THE DUST COLLECTOR.**

- Connect a 4" dust hose (not included) from your dust collector to the bottom of the boom assembly. (Fig. 31)
- Check that all connections are sealed tightly to minimize airborne dust.
- If you do not already own a dust collection system consider contacting your GENERAL® INTERNATIONAL distributor for information on our complete line of dust collection systems or visit our Web Site at: [www.general.ca](http://www.general.ca)



## NOTES



**MODEL #50-EXBC10/14**

**PARTS LIST**  
**50-EXBC10 & 14**

PART NO.	DESCRIPTION	SPECIFICATION	QTY
50EXBC10-01	HOSE	3" X 720MM	1
50EXBC10-02	HOSE CLAMP	3.5"	2
50EXBC10-03	LOCK NUT	1/4" X 5MM	7
50EXBC10-04	LOCK NUT	M5	4
50EXBC10-05	CARRIAGE BOLT	1/4" X 2- 1/4"	3
50EXBC10-06	PLASTIC WASHER		8
50EXBC10-07	SWING ARM		1
50EXBC10-08	HEX. HEAD BOLT	M5 X 45MM	1
50EXBC10-09	HEX. HEAD BOLT	1/4" X 1/2"	8
50EXBC10-10	LOCK KNOB	1/4"	1
50EXBC10-11	WASHER	1/4" X 18MM	13
50EXBC10-12	EYE BOLT		1
50EXBC10-13	BOOM CAP		1
50EXBC10-14	LOCK KNOB	1/4" X 1/2"	3
50EXBC10-14-1	PHILLIPS HEAD SCREW	1/4" X 3/8"	1
50EXBC10-15	SPRING		1
50EXBC10-16	HEX. HEAD BOLT	1/4" X 1-1/4"	1
50EXBC10-17	INNER BOOM	3"	1
50EXBC10-18	CONNECTING PLATE		4
50EXBC10-19	LOCK HANDLE	1/4"	1
50EXBC10-20-1	RIVET		16
50EXBC10-21	SIDE LENS		2
50EXBC14-21 *	SIDE LENS (EXBC14 ONLY)		2
50EXBC10-23	TOP LENS		1
50EXBC10-24	BUMPER HANDLE		1
50EXBC10-25	HOOD FRAME		1
50EXBC14-25 *	HOOD FRAME (EXBC14 ONLY)		1
50EXBC10-26	REAR LENS		1
50EXBC10-27	EYE BOLT		2
50EXBC10-28	BUTTON HEAD BOLT	1/4" X 3/4"	2
50EXBC10-29	BRACE MOUNT ANGLE BRACKET		2
50EXBC10-30	LOCK WASHER	1/4"	8
50EXBC10-31	NUT	1/4"	6
50EXBC10-32	DIAGONAL BRACES		2
50EXBC10-33	EXTENSION LEG	32 X 32MM	1
50EXBC10-34	CAP	32MM	1
50EXBC10-35	HOOD MOUNT		1
50EXBC10-36	BOOM CLAMP KNOB		1
50EXBC10-37	NUT	3/8"	2
50EXBC10-38	HANDLE PIVOT		1
50EXBC10-39	SWIVEL PLATE		2
50EXBC10-40	NUT		2
50EXBC10-41	SPACER/BUSHING		2
50EXBC10-42	LOCK NUT	3/8" X 7 MM	1
50EXBC10-43	HEX. HEAD BOLT	1/4" X 1-1/2"	6
50EXBC10-44	BOOM MOUNT CHANNEL		1
50EXBC10-45	CARRIAGE BOLT	1/4" X 4"	1
50EXBC10-46	OUTER BOOM		1
50EXBC10-47	WASHER	M5 X 16 X 1.0T	4
50EXBC10-48-1	BUTTON HEAD BOLT	M5 X 25MM	1
50EXBC10-48	BUTTON HEAD BOLT	M5 X 12MM	1
50EXBC10-49	KEY	5/16" X 5/16" X 710 MM	1

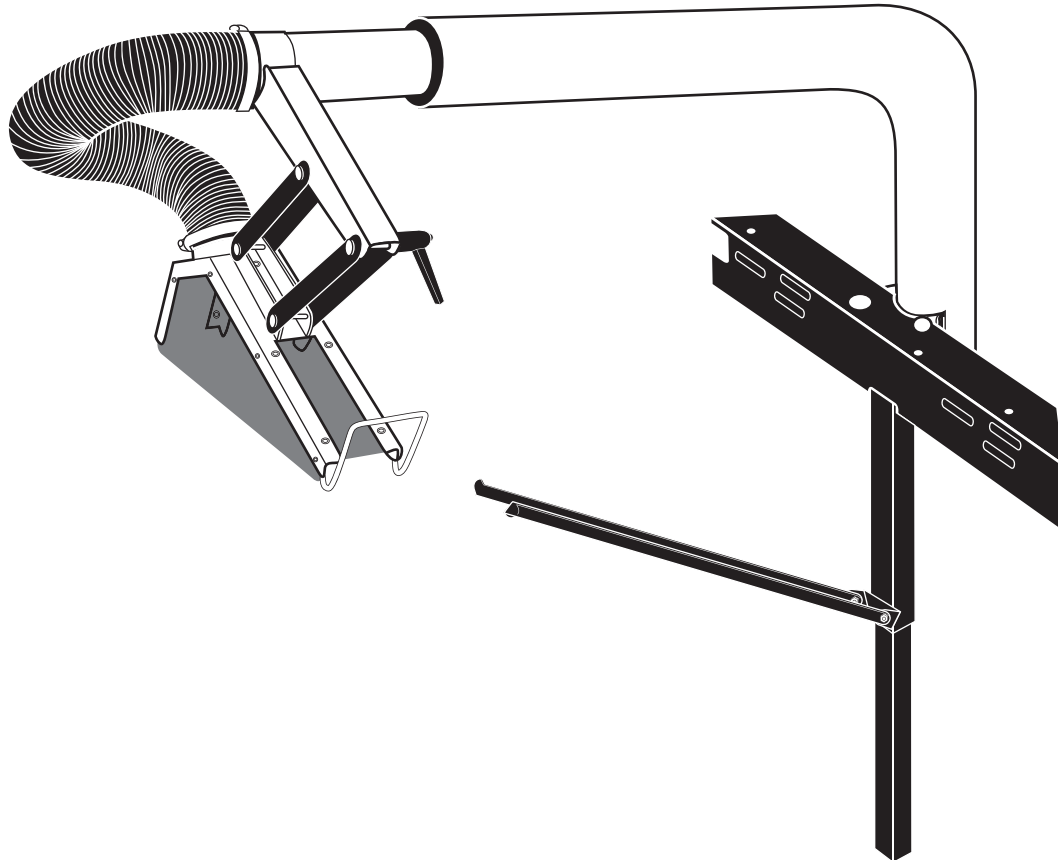
\*All parts are interchangeable between EXBC10 & 14, except where specified



**PARTS LIST**  
**50-EXBC10 & 14**

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>
50EXBC10-50	BUTTON HEAD BOLT	M5 X 10MM	1
50EXBC10-51	CONNECTING PLATE		2
50EXBC10-52	HANGER		1
50EXBC10-53	HEX. HEAD BOLT	M5 X 10MM	3
50EXBC10-54	PLASTIC TUBE		2
50EXBC10-55	BUMPER HANDLE PLATE		2
50EXBC10-56	LOCK NUT	M5	2
50EXBC10-57	SCREW	M5X10	2
50EXBC10-58	NUT	5/16"	1
50EXBC10-59	HEX. BOLT	5/16" X 1-1/2"	1

**50-EXBC10/14**



**8360, Champ-d'Eau, Montreal (Quebec)  
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**Fax : (514) 326-5555 Order Desk**  
[orderdesk@general.ca](mailto:orderdesk@general.ca)  
[www.general.ca](http://www.general.ca)

**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.