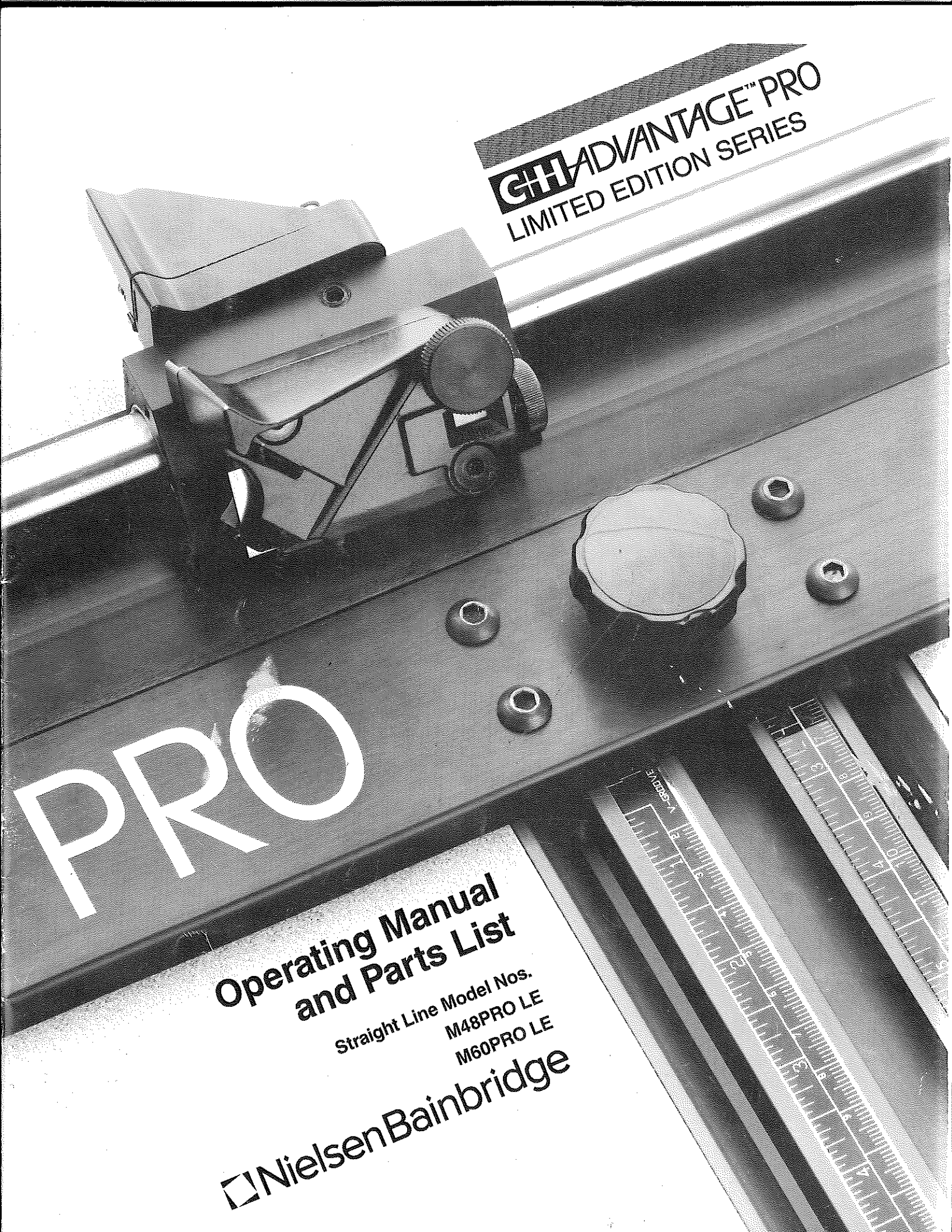


Operating Manual and Parts List

Straight Line Model Nos.
M48PRO LE
M60PRO LE

Nielsen Bainbridge

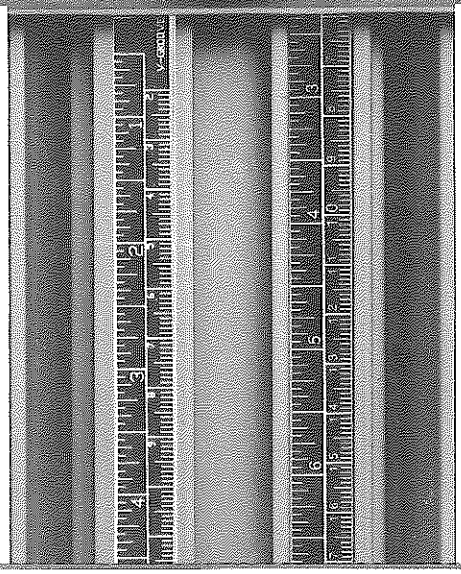
Cutter Specifications

DESCRIPTION	LENGTH	WIDTH	CAPACITY
M48PRO LE	54.5″	19.625″	49.5″
M60PRO LE	66.5″	19.625″	61.5″

Accessories:

DESCRIPTION	PART NO.
Beveled Blade	BLD1200
Beveled Blade	BLD1500
Beveled Blade (Single Edged)	BLD1200SE
Straight Cut	BLD1991 (or similar utility blade)

Contents



Contents

Cutter Specifications and Accessories

Cutter Components

Your C&H/Advantage Mat Cutter is a precision instrument and is constructed of durable, high quality components. With the proper care and maintenance, it will provide you with years of satisfactory performance. Familiarize yourself with the function and the features of the following list of cutter parts called out in Figure 1.

1. **Bar and Rod Assembly** – These two components are comprised of a hard coated aluminum extruded bar which is fastened to a precision ground, nickel plated steel rod. The bar and rod are attached with a deliberate bow to allow for uniform pressure along the mats when pressure is applied to the handle. The bar and rod also provide a long-life, wear-resistant tracking surface for the cutting head.

2. **Baseboard** – 1" (25.4mm) thick, resin-impregnated fiberboard provides a sturdy, warp-resistant base for cutting.

3. **Bar/Rod Block** – Precision machined steel blocks which securely fasten the Bar/Rod to the hinges.

4. **Bevel Blade Holder** – An adjustable assembly which is mounted and pivots on the left side of the sliding block. Designed for C&H No. 1200, 1500 and C&H Advantage Mat Blades, #1200SE.

5. **Handle** – Fastened at each end to the hinges. Pressure on this handle provides the clamping force on the bar and rod assembly to keep the board being cut from slipping.

6. **Hinges** – Support the bar and rod assembly. Spring action allows clamping pressure on mat being cut.

7. **Mat Guide** – Controls the width of the mat being cut. Locks down at one central point for quick and easy adjustment.

8. **Mat Guide Slide Plate** – Recessed track for the Mat Guide to slide on.

9. **Slide Block** – A highly precision-machines, adjustable block which rides on the bar and rod assembly. Both blade holders are fastened to this block.

10. **Squaring Arm** – This adjustable aluminum arm is used for positioning boards when cutting to size with the straight blade holder.

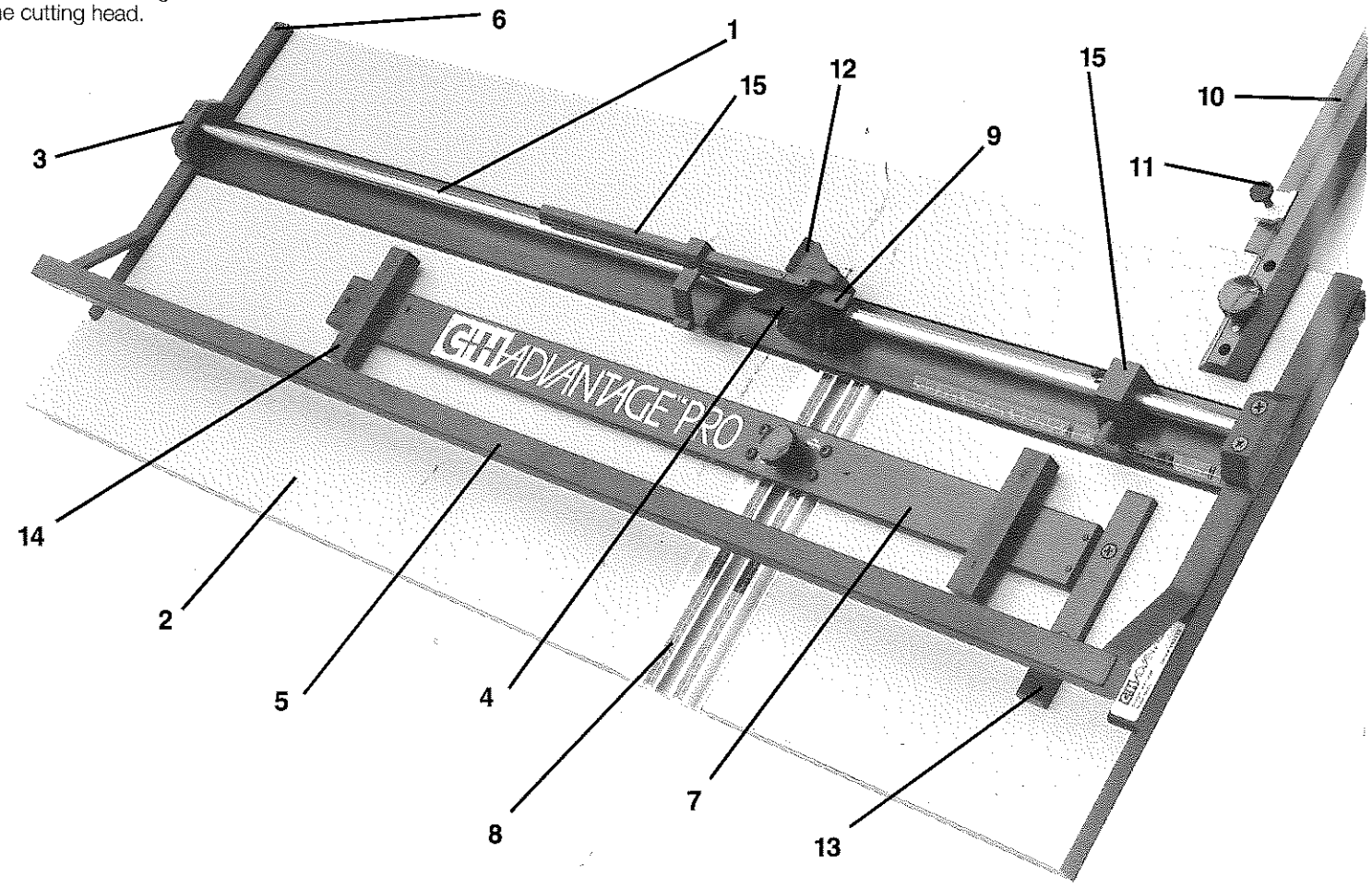
11. **Squaring Arm Stop** – An adjustable stop for repetitive sizing of boards.

12. **Straight Side Blade Holder** – An assembly which is mounted and pivots on the right side of the block. Designed for # 1991 Utility Blade or equivalent. Used for squaring and cutting boards to size.

13. **Material Stop** – Place matboard against this stop when cutting to prevent matboard slippage.

14. **V-Groove Blocks** – Precision machined extruded aluminum blocks for exact mat to mat duplication of pre-fixed wide or narrow V-grooves. Also used to adjust matguide.

15. **Production Stops** – For cutting multiple mats.



Description of Cutter Parts

Unpacking Instructions

Check your mat cutter for any visible signs of damage. If the package is damaged, examine the adjacent portion of the mat cutter with special care.

Report any signs of damage to the shipper immediately.

Carton Contents:

Besides the mat cutter, the carton should contain the following items.

- Attached Mat Guide
- Squaring Arm, 36″
- Production Stops
- V-Groove/Set-Up Blocks
- Manual
- Allen Wrenches
- BLD 1200SE (10)
- BLD1200 (10)
- BLD1500 (10)
- BLD1991 (5)

Table Surface

Before you begin to set-up and use your cutter, it is imperative that the cutter is placed on a flat surface. The cutter must not hang over the edge, as this can cause curved cuts. Never lean the cutter against a wall. When it is not in use always keep it flat and covered.

If you are custom building a table for your mat cutting area, it may be beneficial to recess the mat cutter into the table so that the baseboard is flush with the table top. It can also be secured to the table with screws to prevent slippage.

Set Up

The **ADVANTAGE PRO *LE*** has been pre-set at the factory. However, for best results, we suggest that you check the cutter before beginning to cut.

It is necessary to make adjustments in the exact order that has been outlined.

Safety Precautions

The machine is equipped with two sharp blades which are not fully exposed, but which do require some caution. Keep hands away from the protruding blade tips, and from under the bar/rod assembly. Especially when the straight side cutting blade is in the locked-down position.

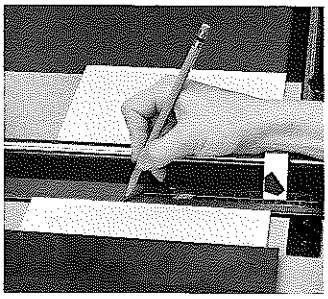
Squareness

Material Stop

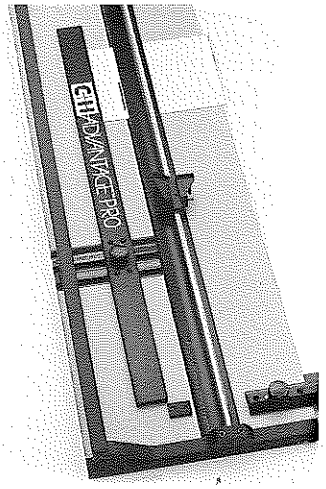
Place the short edge of a framing square along the material stop, and the long edge of the square against the edge of the bar/rod assembly. If the unit is not square, loosen the phillips head screws that hold the material stop in place and readjust the plate until it is square. Retighten the plate in place once it is square.

Mat Guide

The mat guide must be parallel to the bar/rod assembly in order to achieve accurate and square window openings. To check the mat guide, lock down the mat guide in place at the 2″ setting. Place a 8″ X 10″ piece of matboard under the bar/rod assembly and against the bottom edge of the mat guide. Now draw a line along the edge of the bar/rod assembly on the piece of matboard. Slide the matboard up to the top edge of the mat guide, and repeat the drawing process. If the two lines are superimposed, then the mat guide is properly adjusted, if they are offset, then the mat guide must be adjusted.



(Drawing the first line)



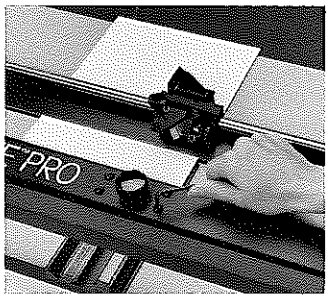
(Matboard positioned for drawing the second line)

Adjusting the Mat Guide – *Method 1*

To adjust the mat guide, loosen the four allen head screws on top of the mat guide, and pivot the matguide until the two pencil lines are superimposed. Tighten the allen head screws when adjustment is complete.

Method 2

Loosen the four allen head screws. Place the v-groove blocks on the mat guide, one at each end (make sure that the two like sides face the same direction). Slide the mat guide to the right until the end of the blocks hit the bar/rod assembly. While grasping the mat guide, force it against the bar/rod and tighten the four screws. Check the mat guide again before beginning any cuts.

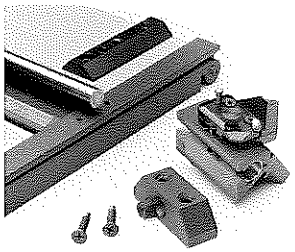


Assembly and Set-Up

Cleaning

Your C&H ADVANTAGE PRO Cutter requires regular cleaning for ultimate performance and long life. The bar and rod assembly should be cleaned with solvent regularly. Lighter fluid is recommended for this.

Pull the bar/rod block off the rod and then slide the block off. Clean the bottom surface and rod cavity with solvent.



Blades and Blade Adjustments

A sharp blade and proper adjustments will produce the highest quality mats.

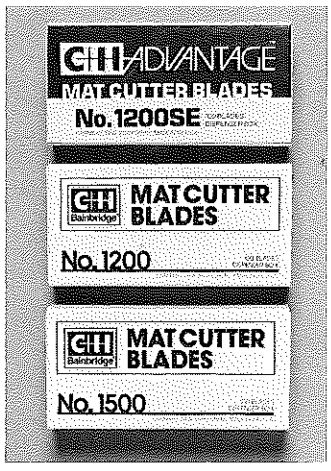
Bevel Blade Holder Blades

BLD1200SE:
This blade is ground and honed on one side only, making it more rigid than the traditional mat cutting blades. This gives a straighter cut and makes it possible to cut through the thicker boards that are becoming more common.

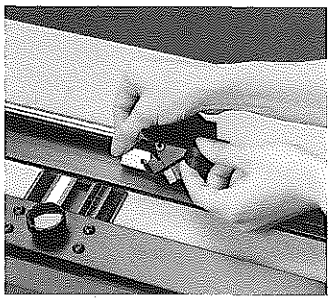
These blades must be inserted with the honed edge facing out; for this reason, these blades cannot be turned around and used on both sides as is the case with the other types. However, due to the quality of the cut, many framers are using this blade exclusively.

BLD1200:
This blade is 1200th's of an inch thick. It is recommended for use with Paper Matboard. This blade can be used on both sides.

BLD1500:
This blade is 1500th's of an inch thick, which makes it more rigid than the BLD1200 blade. It is, therefore, recommended that this blade be used on the denser boards; such as Black Core, Alphamat® and Rag Matboard.



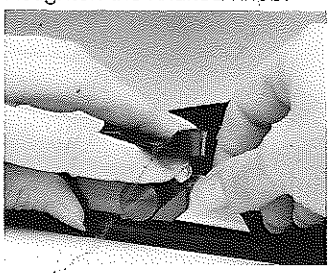
Changing the Bevel Blades
To change the bevel blade, simply loosen the knurled knob and remove the old blade and replace it.



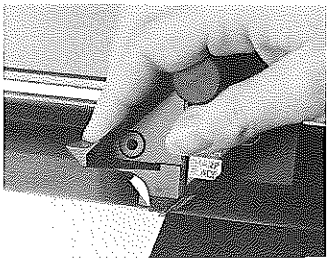
Straight Blade Holder Blades

Utility Blades #1991:
The blade you will need for making straight cuts is the #1991 Utility Blade. These are available from most framing product suppliers.

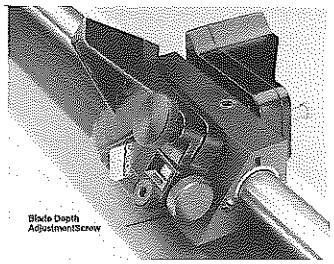
Changing the Utility Blade
Loosen the large knurled knob, push in the spring loaded pin and pull the blade out. Depress the spring loaded pin and insert the new blade as far as possible; only 1/2" of the blade should be exposed. Retighten the knurled knob.



Setting Blade Depth (Bevel Cutter)
The blade should project from the blade holder so that it cuts through the board being cut and slightly scores the slip sheet underneath.

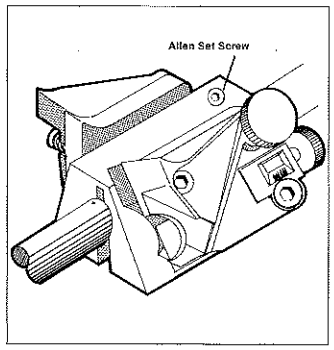


Test this out with two scrap pieces of matboard. *A blade protruding too far will not have enough support, will flex and cause hooked corners.*
To adjust the blade depth, loosen the large knurled screw.



While holding the blade in from the front, adjust the blade depth with the blade adjustment thumb screw on the back of the holder. Retighten the knurled screw.

Straight-Side Blade Holder Locking Pin adjustment Set Screw
An adjusting set screw is located in the top of the slide block. It acts as an adjustable stop for the locking pin on the straight-side blade holder and controls the depth of cut. It is factory-set to accommodate most board thicknesses that you would cut with the blade *locked down.*



If an adjustment is necessary, use the 1/8" allen wrench included with the cutter. Simply turn the screw in to *reduce* the cutting depth of the blade when it is in the locked position. Turn the screw *out* to *increase* the blade depth.

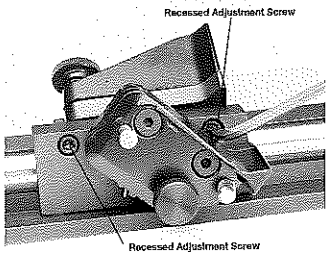
Cleaning

Blades and Blade Adjustments

Adjusting the Slide Block

NOTE: The block on your new cutter has been adjusted at the factory and should not require further calibration before use.

1. If adjustments are necessary, use the two recessed allen screws on the straight cutter side of the block.



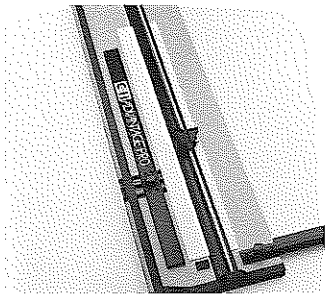
Before adjusting, remove the block from the bar/rod and clean and lubricate inside the block cavity and the bar/rod (see Cleaning section).

2. Adjust Oilite® bearings so the openings align with the opening in the block.

3. Reinstall block and slide back and forth to find tightest spot on bar/rod. Adjust the block in this area.

4. Adjust one screw at a time. Screw it in until the block won't move. Then back the screw out slightly, until the block slides smoothly the whole length of the bar/rod. Repeat procedure on the other screw.

Basic Bevel Cutting Technique



It is recommended that you use a piece of matboard (not mount board) 6" wide x the capacity of the cutter as a slip sheet under the mat being cut. It will compress the board and produce a clean cut. Move the board slightly for each cut and switch ends and/or replace it if it becomes ragged.

Holding the Cutter

Stand at the end of the cutter and lift the handle. Insert the matboard under the bar. The most comfortable position will be to rest the index and middle fingers on the bevel cutter comfort grip.

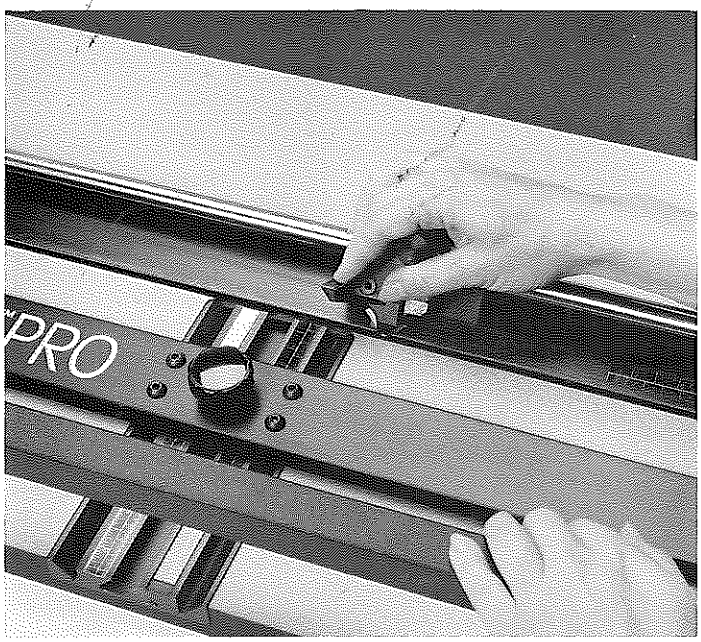
Place the thumb loosely under the large knurled screw as shown. Insert the blade smoothly rather than jabbing it into the board by pushing down with two fingers on the comfort grip. Push the blade down all the way and then, using the two finger pressure only, pull back on the slide block until you reach the desired distance and then release the cutter. It is important to keep the blade fully depressed while pulling it. *Do not* apply upward pressure with the thumb as you are pulling. This is a pivot point only and applying pressure here may bind the cutter and/or tilt the cutting block enough to produce hooked corners.

Handle Pressure

The handle should be held at the end nearest you. Apply pressure so that the bar flattens out.

Cutting a Single-Opening Mat Without Stops

Set the mat guide for the desired mat width. Pencil mark the back of a mat board which has been cut to size to produce overlapping corner lines. (Hold pencil at same angle as bevel blade.)



Raise the handle and place the board, colored side down, in the corner formed by the mat guide and material stop.

Slide the block up and depress the blade fully so it enters the board approximately 3/16" (5mm) *above* the top intersecting horizontal guide line.

Pull the slide block until the back cutting edge of the blade is approximately 3/16" (5mm) *below* the bottom intersecting horizontal guide line.

Release the blade holder. Repeat on the other three sides.

Adjusting the Slide Block

Basic Bevel Cutting Techniques

Cutting a Single-Opening Mat Without Stops

How to Cut Double Mats

1. Determine outside measurement of the mat and width of border needed.

2. Trim 1/4" off the short and long sides of the back mat.

3. Set guide and cut top mat (color side down) and save the fallout inside section.

4. Apply ATG tape to all four sides on the back of the top mat.

5. Adhere the mats together with front of back mat against back of front mat. Back mat should not protrude over the edge of front mat.

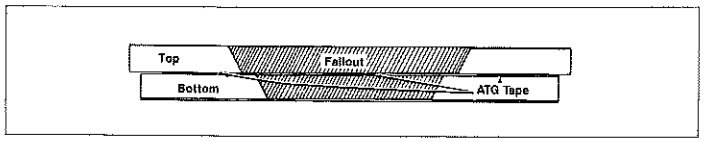
6. Place small ATG tape strip on back side of top mat fallout.

7. Place mat fallout back into position.

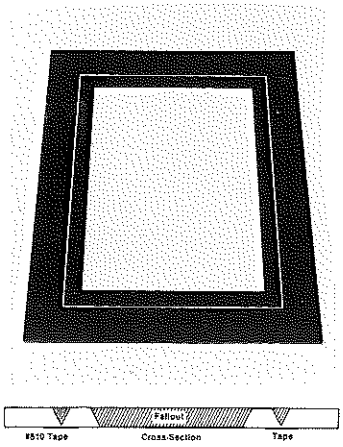
8. Apply pressure by rolling across surface.

9. Now add the width of the back mat desired to the current setting on your mat guide. For example, if your top mat had a setting of 2″ and you want a ¼″ of the back mat to show, set the mat guide at 2 ¼″. Cut all four sides. The fallout will drop with mats adhered together and you will be left with a double mat having equal borders all around.

NOTE: For triple or additional multiples, repeat steps 4 through 9 for each mat.



How to Set Mat Guide for Cutting V-Grooves

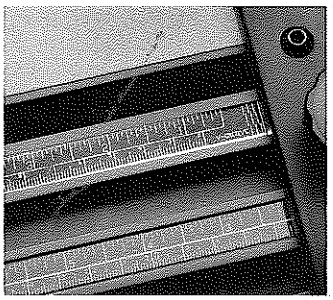


Using V-Groove Ruler

Located on the mat guide slide plate are two rulers. The far ruler has "v-groove calibrations".

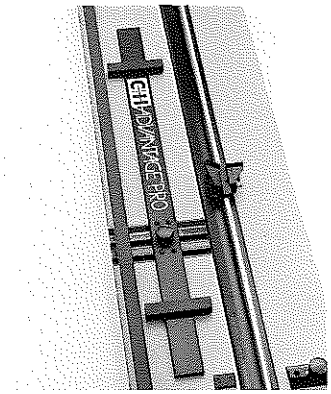
When you have located the optimum setting for cutting v-grooves, simply highlight the corresponding v-groove increment to the left of the mat guide.

You can now refer to this point every time you want to cut a v-groove.

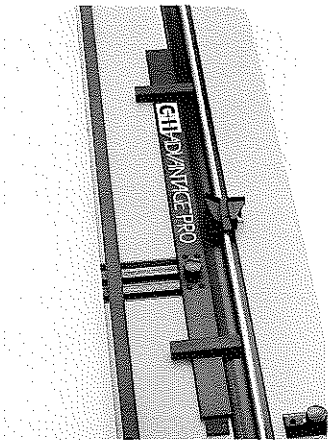


Procedure for Using the V-Groove Adjustment Guide Blocks

Place one v-groove guide block near each end of the mat guide (be certain that both guide blocks are facing in the same direction for a "wide"or "narrow" v-groove). Stops are marked "1" for narrow and "2" for wide.



Move the mat guide toward the bar/rod until the v-groove blocks are seated on the steel rod of the bar/rod. Tighten both ends of the mat guide and remove the v-groove guide blocks.



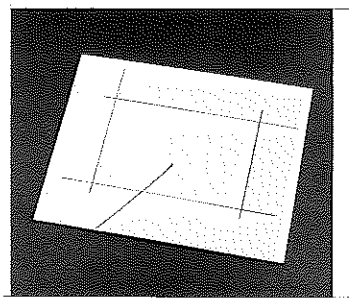
NOTE: Trimming too much off the bevel will not allow the mat pieces to fit precisely together. Also, mat guide must be parallel with bar/rod to trim off equal edges.

Cutting a Double Mat Without Stops

How to Set-Up for a V-Groove

How to Cut V-Groove Mats

1. Determine where you want to place the v-groove on the mat. If you have a 3" border and want a v-groove placed 1" away from the window opening, then set the mat guide at 2". Make a reference mark on the back of the mat so that you can put the pieces back together the same way they came out.



2. Cut an opening at the 2" setting as if you were cutting a single mat opening.

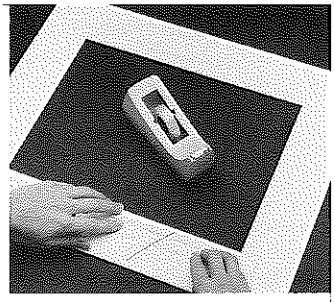
3. Set the mat guide at the v-groove setting using one of the methods described in the previous section.

4. Place the fallout face up underneath the bar/rod and against the mat guide. Make sure there is a slip sheet underneath the board you are trimming off.

5. Trim off all four sides of the mat board. All four strips should be even from top to bottom and should be about 1/16" in width.

6. Place the fallout that you have just trimmed, face down on a flat surface. Take the piece with the window and place it face down around the fallout, matching up the reference lines.

7. Tape the two pieces together with transparent tape going around all four sides.



8. Set the mat guide at 3" and proceed to cut the opening. You should now have a mat board with a 3" opening and a v-groove at 2".

The quality of the v-groove is determined by the quality of the initial cut. Proper blade depth and mat cutter adjustments are essential in obtaining exceptional creative matting designs.

How to Use Production Stops

The new style of production stops allow for a 10½" capacity. The top stop is fastened to the sliding block for speed and accuracy.

1. Determine the mat boarder size.

2. Set your matguide, top stop adjustable arm, and bottom stop (note-the tightening knob for the bottom stop is a ratchet handle design for extra holding power. In order to use it properly, after pushing it back for tightening or forward for loosening, you must grasp it at the bend and pull it out and back. Continue to do this until it is tightened or loosened to where you want it), to the desired setting.

3. Place the matboard facedown against the mat guide and the material stop.

4. Slide the cutting head up above the top edge of the matboard.

5. Press the finger pad on the sliding arm down and pull back with your arm until the production stop screw touches the matboard.

6. While holding the pad down, push the blade holder down into the matboard.

Release the finger pad, and draw the sliding block back towards you, until the block stops against the bottom stop.

7. Retract the blade holder from the mat, turn the matboard to the next uncut side, and repeat the process. Do this on all four sides.

Adjusting the Stops

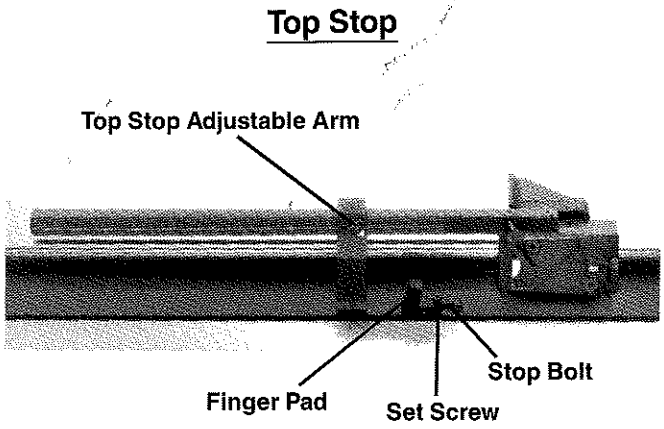
It will be necessary to adjust the stops. There are many variables that affect the way the stops work. These include: blade depth, matboard thickness, and stop bolt positioning. Check each corner for an undercut or an overcut. With an overcut you will be able to detect cut marks on the front of the matboard. With an undercut the matboard will still be attached in the corners. Determine which stop is causing the problem, and adjust accordingly. The set screw on each stop must be loosened before making any adjustments, and retightened after the adjustment has been made.

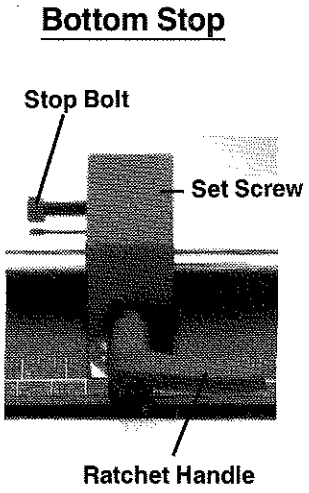
Undercut:

Turn the stop bolts back into the blocks.

Overcut:

Turn the stop bolts out away from the blocks.





How to Cut V-Groove Mats

How to Use Production Stops

How to Set-Up and Use the Squaring Arm

Assembly

1.) Loosely attach the top plate to the baseboard with the two button head socket screws and T-nuts by going up through the bottom of the baseboard.

2.) Attach the squaring arm firmly to the top plate with the large turning knob.

3.) Square up the squaring arm to the bar/rod assembly on the cutter by placing a framing square along the right edge of the bar/rod assembly and along the edge of the squaring arm.

4.) Move the squaring arm up or down until it is square to the bar/rod. When it is square, tighten the button head socket screw with the allen wrench that has been provided.

Using the Squaring Arm

The squaring arm enables you to size large matboards down to size without having to measure out and mark the back of the boards.

To do this, simply place the matboard under the bar/rod assembly and along the edge of the squaring arm. Line up the matboard with the increment on the squaring arm at the desired dimension.

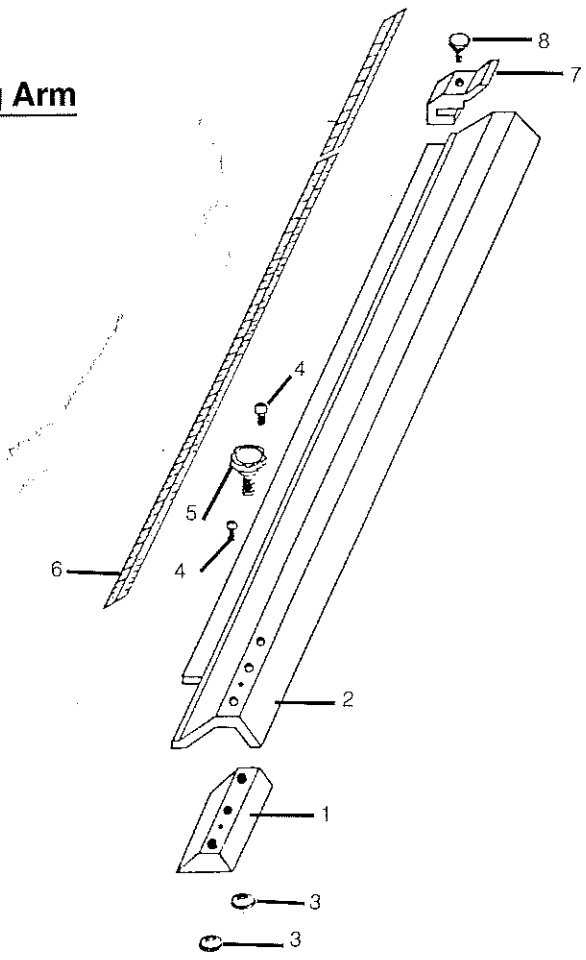
Bring the cutting head above the top edge of the matboard, push the straight blade holder down, and pull straight back until the board is completely cut. (It may be necessary to make several passes with thicker boards).

Depth Adjustment Screw
The set screw on top of the cutting head can be adjusted upward in order to increase the blade cutting depth. Turn the screw upward and after pushing the blade holder down, push the locking pin to the left. This will hold the blade holder down and enable you to pull the sliding block back with two hands if necessary.

Squaring Arm Stop
A squaring arm stop has been provided. This stop slides on the end of the squaring arm and can be set at any increment, forming a corner for positioning the matboard. This is especially useful when cutting down numerous matboards of the same dimension.

Parts List and Diagram for Squaring Arm

Item No.	Description	Part Number
1.	Squaring Arm Top Plate	M0433
2.	Squaring Arm Ass'y	M0453
3.	T-Nuts	M0454
4.	Button Hd. Sck. Scr.	0213
5.	Squaring Arm Knob	M0452
6.	Ruler 35½"	M0328
7.	Production Stop	M0462
8.	Knurled Knob	4243

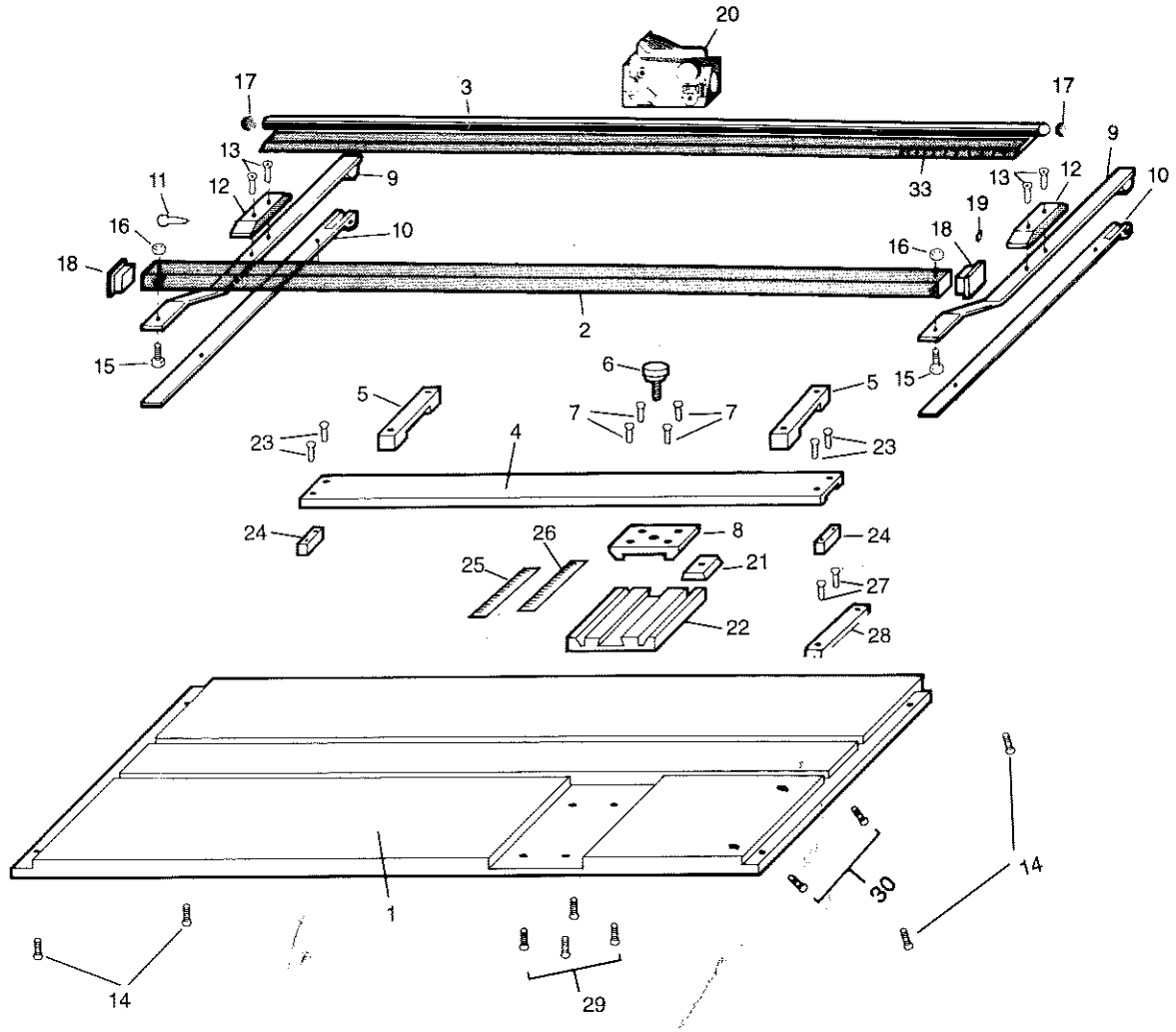


How to Assemble and Use the Squaring Arm

Trouble Shooting

Problem	Possible Causes	Solutions
"Hooked" bevel cuts (hook at beginning and/or end of cut).	• Slide block has excess wobble. • Blade protruding out too far from holder. • Dull or damaged blade. • "Jabbing" blade into mat board.	• Adjust block to reduce play. • Adjust blade to proper depth. • Replace. • Insert blade into board smoothly.
Curved bevel cuts or depth of cut varies.	• Insufficient handle pressure. • Blade protruding out too far from holder. • Baseboard is bowing due to warped table. • Blade not being fully depressed. • Slip sheet is too narrow and/or too short or may be "ragged" from multiple cuts.	• Apply only enough handle pressure to flatten bar/rod against mat. • Adjust blade to proper depth. • Make sure table surface is flat and extends the full length of the cutter. • Depress blade fully at beginning of cut and keep depressed during length of stroke cutting. • Use mat board slip sheet 6" wide x cutter capacity. Shift slip sheet on each cut and replace as it becomes ragged.
Ragged bevel cuts.	• Dull or damaged blade. • No slip sheet. • Over used slip sheet. • Wrong blade.	• Replace blade. See blade replacement section for proper technique to prevent damage. • Use mat board slip sheet 6" (152mm) x capacity of cutter. • Replace with fresh slip sheet. • Use C&H or C&H Advantage Blades only.
Bevel blade cannot be secured tight. Slide block does not slide easily.	• Allen screws of blade holder plate too tight. • Dirty block and/or bar/rod. • Technique. • Block needs adjustment. • Blades out too far.	• Loosen slightly. • Remove and clean. • Pull block straight back with finger pressure. Do not pull up with thumb under knurl screw. • Adjust block using technique described in block adjustment section. • Adjust blade depth.
Mat width borders not equal.	• Mat guide improperly adjusted. • Squaring arm on cutter.	• Re-adjust. • Remove when using bevel cutter. • Tighten screw down on large mats.
V-groove cuts not even or ragged.	• Mat guide improperly adjusted. • No slip sheet. • Dull blade.	• Re-adjust. • Use slip sheet and shift to new area on each cut. • Replace.
Mat board slipping under bar.	• Slip sheet too narrow. • Warped table.	• Use 6" (152.4mm) wide slip sheet. • Get cutter on to flat surface.
Bar and rod slides back and forth on bar/rod blocks.	• Missing rubber space inside bar/rod blocks.	• Replace.
Boards no cutting square with straight side cutter.	• Squaring arm out of adjustment. • Wobble in head.	• Re-adjust. • Adjust.
Difficult to cut board with straight side cutter locked down.	• Lock-down feature not designed for cutting all board thicknesses.	• Use lock-down feature for cutting regular thickness board. Do not lock down and use several cutting passes on thicker boards.
1991 Utility blade falls out of straight blade holder.	• Allen screws too loose.	• Tighten allen screws.

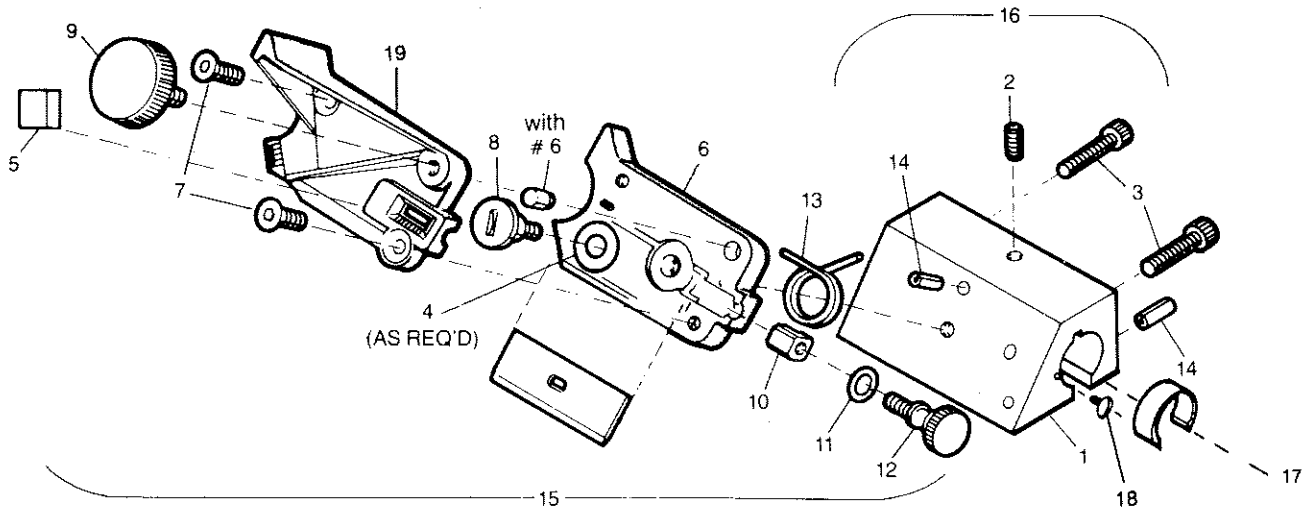
Trouble Shooting Guide



Item No.	Description	Part Number
1.	Baseboard – M40	M0441
	Baseboard – M48	M0437
	Baseboard – M60	M0467
2.	Handle – M40	4207
	Handle – M48	4208
	Handle – M60	4209
3.	Bar & Rod Assembly – M40	M0322
	Bar & Rod Assembly – M48	M0300
	Bar & Rod Assembly – M60	M0323
4.	Mat Guide Assembly – M40	M0442
	Mat Guide Assembly – M48	M0442
	Mat Guide Assembly – M60	M0468
5.	V-Groove Blocks	M0438
6.	Knob Assembly	M0447
7.	Screw But. Hd. Soc. 1/4-20 x 3/8" Lg.	5815
8.	Matguide Plate Insert	M0430
9.	Hinge Rail – Top	M0307
10.	Hinge Rail – Bottom	M0306
11.	Hinge Rail – Bolt	M0327
12.	Bar & Rod Block	M0308

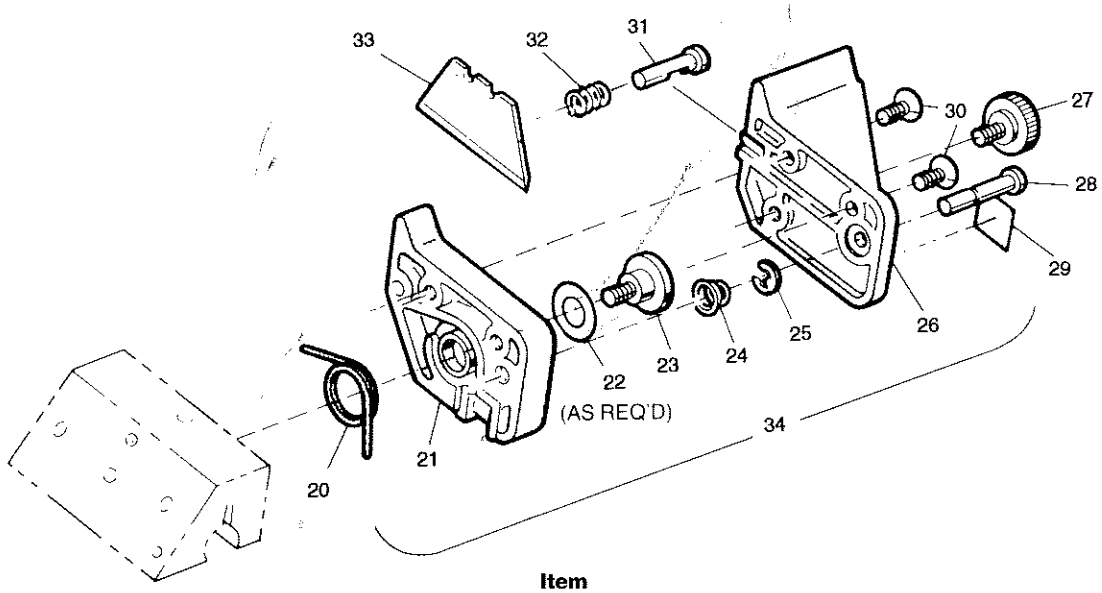
Item No.	Description	Part Number
13.	Screw – Flt. Hd. Phillips 1/4-20 x 1/ 1/4″ Lg.	5307
14.	Screw – Flt. Hd. Phillips 1/4-20 x 1″ Lg.	5306
15.	Screw – Hex Head 1/4-20 x 5/8″ Lg.	4055
16.	Nut – Self-Locking Hex 1/4-20	9568
17.	Rubber Bushing	M0310
18.	End Cap	9744
19.	Bumper Assembly	M0348
20.	Head Assembler (Block & Blade Holders) (See Blade Holder & Slide Block Components under Head Assembly Illustration)	M0340
21.	Matguide Lug	M0431
22.	Matguide Slide Plate	M0429
23.	Screw, Fl. Hd. 4-40 x 1/2″	M0451
24.	End Plate - Matguide	M0439
25.	Ruler with V-Groove Lines	M0471
26.	Ruler, 7 1/2″	M0324
27.	Screw 1/4 - 20 x 1 1/4″	5307
28.	Material Stop	M0497
29.	Screw, Ph. Hd. 1/4-20 x 1″	5306
30.	T-Nuts	M0391

C&H Mat Cutter Parts Lists



Item No.	Description	Part Number
1.	Slide Block	N/A
2.	Set Screw 1/4-20 x 1/4" Lg.	5016
3.	Screw #8-32 x 1/2" Lg., S. H. C., Black	M0318
4.	Shim Kit	4240
5.	Caution Decal	4519
6.	Bevel Holder Bottom Plate Assembly (with pin)	M0349
7.	Screw - Ft. Hd. Hex Soc. #10-24 x 1/2" Lg.	6777
8.	Shoulder Screw	4158
9.	Knob Assembly	8789
10.	Nut – Blade Adjust	8874

Item No.	Description	Part Number
11.	0-Ring 1/4" I.D.	5848
12.	Thumb Screw – Blade Adjust	8875
13.	Torsion Spring	8879
14.	Spring Pin - 5/32 Dia. x 7/16" Lg.	2720
15.	Bevel Blade Holder Assembly (Includes: #4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15)	M0356
16.	Slide Block Assembly	M0357
17.	Self Lubricating Bearing (2 Required)	M0369
18.	Bearing Retaining Screw	M0380
19.	Bevel Holder Top Plate	8861

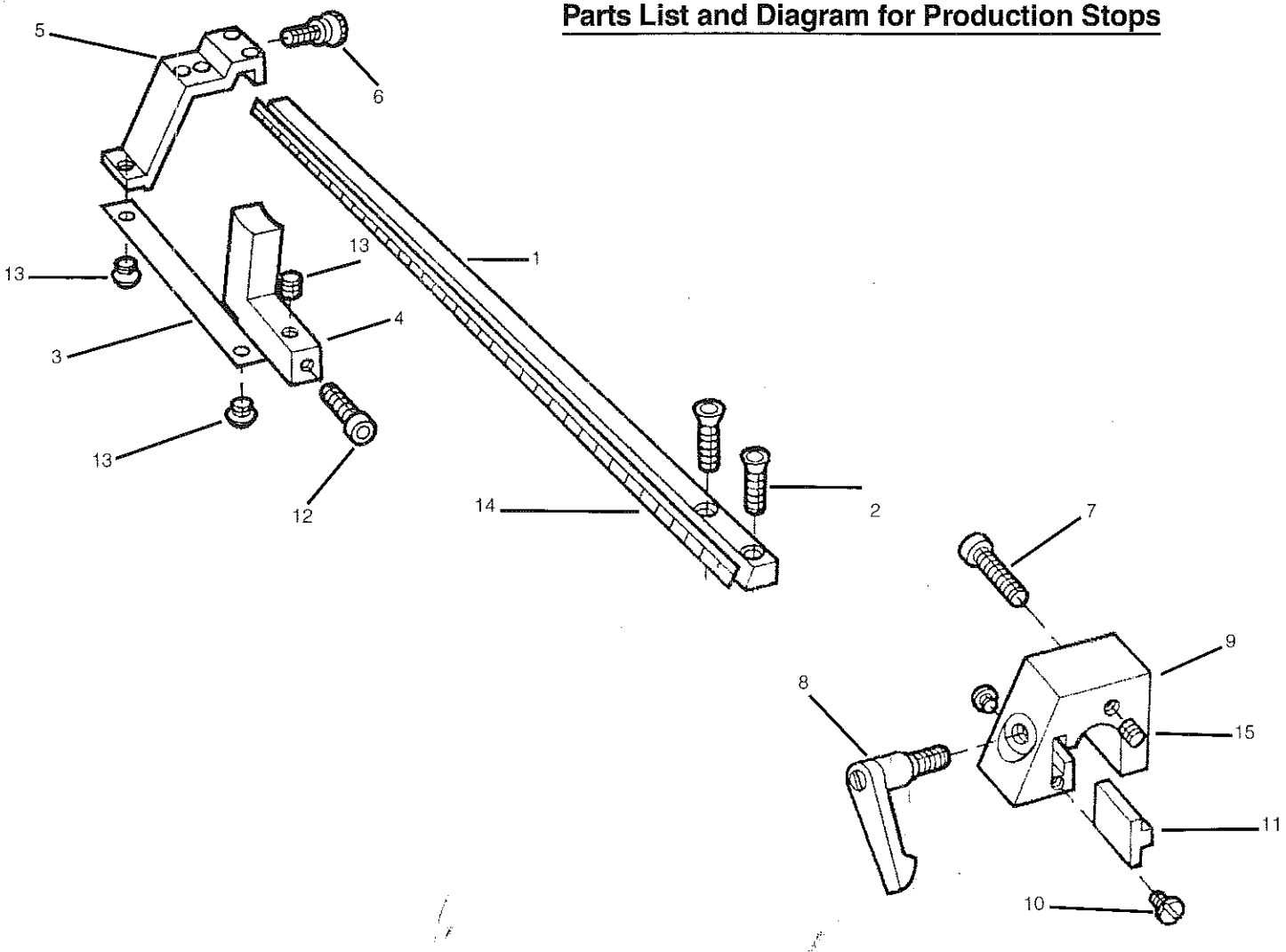


Item No.	Description	Part Number
20.	Torsion Spring	8880
21.	Bottom Plate	8867
22.	Shim Kit	4240
23.	Shoulder Screw	M0316
24.	Conical Spring	8894
25.	Retaining Ring .145 I.D.	4001
26.	Top Plate	8868
27.	Knob Assembly – 3/8" Lg.	0589

Item No.	Description	Part Number
28.	Lock Pin	8873
29.	Caution Decal	4519
30.	Screw – Ft. Hd. Hex Soc. #10-24 x 1/2" Lg.	6777
31.	Safety Button	4000
32.	Compression Spring	7897
33.	Blade (Stanley #1991 Type)	BLD1991
34.	Straight Blade Holder Assembly (Includes: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32	M0358

C&H Head Assembly Parts Lists

Parts List and Diagram for Production Stops



Item No.	Description	Part Number
1.	Bar-Upper Stop	M0488
2.	Screw, Fl. Hd. Soc. 8-32 x 1/2"	1984
3.	Spring	M0506
4.	Arm, Locating – Upper Stop	M0490
5.	Arm, Upper Stop	M0489
6.	Thumb Screw, Nylon	M0545
7.	Screw, Soc. Hd. Cap 10-32 x 3/4"	G0224
8.	Knob, 1/4-20 x .39 Ratchet	M0496
9.	Block, Lower Stop	M0487
10.	Screw, Btn. Hd. Soc. 6-32 x 1/4"	G0180
11.	Tee – Brass	M0495
12.	Screw, Soc. Hd. Cap 10-32 x 3/4"	G0224
13.	Screw, Btn. Hd. Soc. 6-32 x 1/4"	G0180
14.	Ruler, 10 5/8"	M0551
15.	Screw, Soc. Set 10-32 x 1/4"	M0508

Production Stop Assembly Parts List and Diagram

Warranty

Nielsen & Bainbridge warrants this new C&H ADVANTAGE PRO cutter, to be free from defects in material and workmanship for a period of two years from the date of purchase by the original user/consumer. Each cutter, accessory and part will be thoroughly inspected before shipment to insure conformance to specifications.

If C&H cutter, accessory or part malfunctions or is inoperable within the warranty period because of a defect in material or workmanship, we will repair, or at our option, replace the defective unit at no cost to the original user or consumer purchaser.

This warranty excludes and does not cover defects or malfunctions of a cutter, accessories or parts due to repairs by persons not authorized by us; by use of parts or accessories not designed or authorized by us; by mishandling, improper adjustment, modifications or damages.

To obtain repair or replacement under this warranty, contact your C&H distributor.

This warranty is in lieu of all other warranties expressed or implied. Nielsen & Bainbridge expressly disclaims all other warranties, including the warranties of merchantability and fitness for a particular purpose.

The manufacturer neither assumes nor authorizes any representative or other person to assume for it, any other liability in connection with the sale, maintenance, or repair of cutters.

In no event shall Nielsen & Bainbridge be liable for any damages or losses, incidental or consequential, direct or indirect, arising out of the use of this product.

Warranty

C&H ADVANTAGE™ PRO

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The C&H Advantage Pro Starlight Line Model Series is Patent Pending.

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