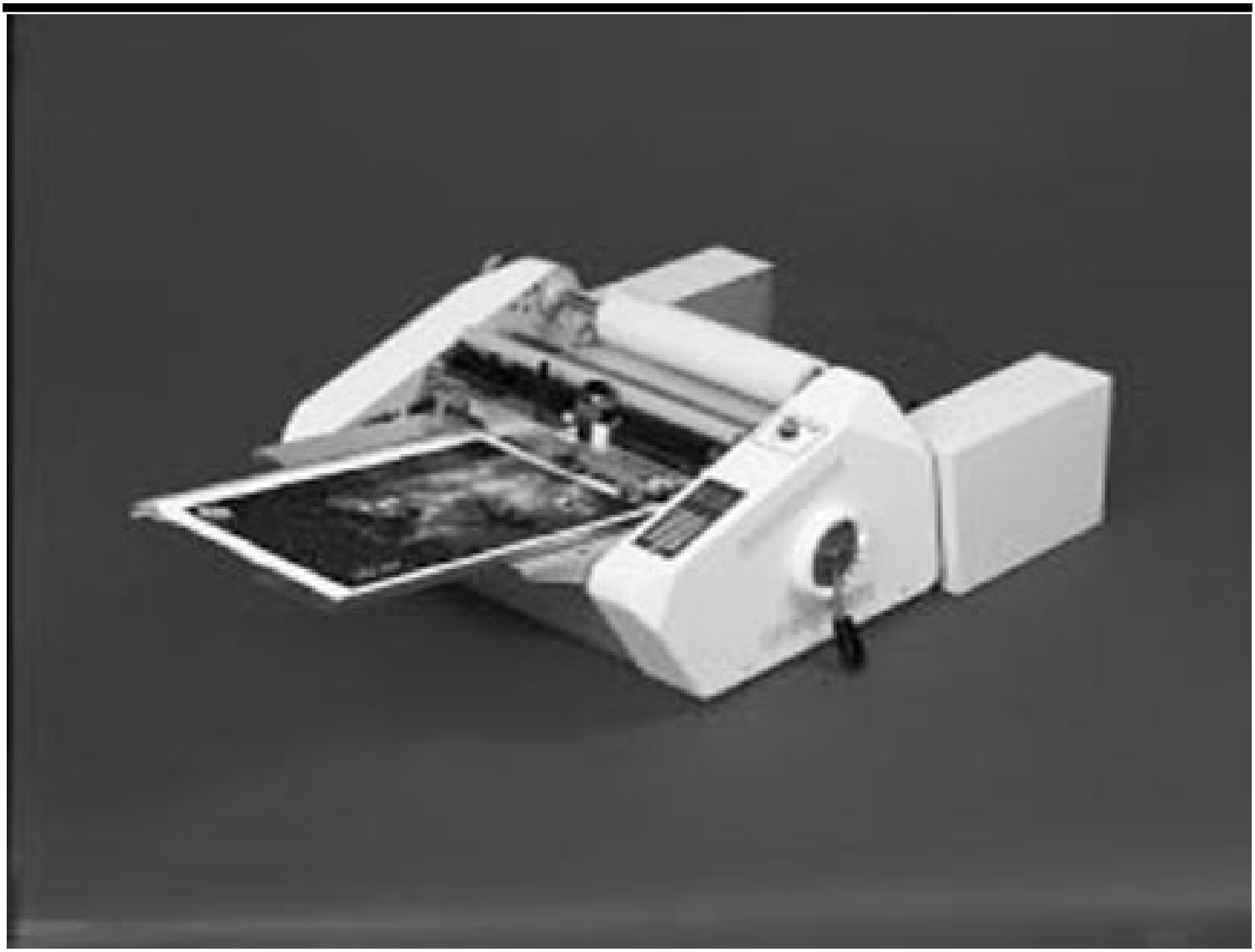
EAGLE 35 OS OPERATION &

MAINTENANCE MANUAL



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Revision :
Part number :

Important Safety Instructions

YOUR SAFETY AS WELL AS THE SAFETY OF OTHERS IS IMPORTANT TO GBC. IN THIS INSTRUCTION MANUAL AND ON THE PRODUCT, YOU WILL FIND IMPORTANT SAFETY MESSAGES REGARDING THE PRODUCT. READ THESE MESSAGES CAREFULLY. READ ALL OF THE INSTRUCTIONS AND SAVE THESE INSTRUCTIONS FOR LATER USE.

⚠ THE SAFETY ALERT SYMBOL PRECEDES EACH SAFETY MESSAGE IN THIS INSTRUCTION MANUAL. THE SYMBOL INDICATES A POTENTIAL PERSONAL SAFETY HAZARD TO YOU OR OTHERS, AS WELL AS PRODUCT OR PROPERTY DAMAGE.

THE FOLLOWING WARNINGS ARE FOUND UPON THE Eagle OS 35:

THIS SAFETY MESSAGE MEANS THAT YOU COULD BE SERIOUSLY HURT OR KILLED IF YOU OPEN THE PRODUCT AND EXPOSE YOURSELF TO HAZARDOUS VOLTAGE.

THIS SAFETY MESSAGE MEANS THAT YOU COULD BE BURNED AND YOUR FINGERS AND HANDS COULD BE TRAPPED AND CRUSHED IN THE HOT ROLLERS. CLOTHING, JEWELRY AND LONG HAIR COULD BE CAUGHT IN THE ROLLERS AND PULL YOU INTO THEM.

THIS SAFETY MESSAGE MEANS THAT YOU COULD CUT YOURSELF IF YOU ARE NOT CAREFUL.

⚠ **WARNING** DO NOT ATTEMPT TO SERVICE OR REPAIR THE EAGLE SERIES LAMINATOR.

⚠ **WARNING** DO NOT CONNECT THE EAGLE SERIES LAMINATOR TO AN ELECTRICAL SUPPLY OR ATTEMPT TO OPERATE THE LAMINATOR UNTIL YOU HAVE COMPLETELY READ THESE INSTRUCTIONS. MAINTAIN THESE INSTRUCTIONS IN A CONVENIENT LOCATION FOR FUTURE REFERENCE.

⚠ **WARNING** TO GUARD AGAINST INJURY, THE FOLLOWING SAFETY PRECAUTIONS MUST BE OBSERVED IN THE INSTALLATION AND USE OF THE LAMINATOR.

⚠ Important Safeguards

General

Keep hands, long hair, loose clothing, and articles such as necklaces or ties away from the front of the heat and pull rollers to avoid entanglement and entrapment.

The heat rollers can reach temperatures over 300°F. Avoid contact with the heat rollers during operation or shortly after power has been removed from the laminator. Do not use the laminator for other than its intended purpose.

Do not place the laminator on an unstable car, stand or table. An unstable surface may cause the laminator to fall resulting in serious bodily injury. Avoid quick stops, excessive force and uneven floor surfaces when moving the laminator on a cart or stand.

Do not defeat or remove electrical and mechanical safety equipment such as interlocks, shields and guards.

Do not insert objects unsuitable for lamination or expose the equipment to liquids.

Electrical

The laminator should be connected only to a source of power as indicated in these instructions and on the serial plate located on the rear of the laminator. Contact an electrician should the attachment plug provided with the laminator not match the receptacles at your location.

⚠ CAUTION: The receptacle must be located near the equipment and easily accessible.

Disconnect the attachment plug from the receptacle to which it is connected and keep the power supply cord in your possession while moving the laminator.

Do not operate the laminator with a damaged power supply cord or attachment plug, upon occurrence of a malfunction, or after the laminator has been damaged. Contact GBC's Technical Service Department or your dealer/distributor for assistance.

Service

Perform only the routine maintenance procedures referred to in these instructions.

⚠ WARNING: Do not attempt to service or repair the laminator. Disconnect the plug from the receptacle and contact GBC's Technical Department or your dealer/distributor when one or more of the following has occurred.

- The power supply cord or attachment plug is damaged.
- Liquid has been spilled into the laminator
- The laminator is malfunctioning after being mishandled
- The laminator does not operate as described in these instructions.

Installation

1. Shipping damage should be brought to the immediate attention of the delivering carrier.

2. Place the GBC Eagle OS 35 on a stable flat surface capable of supporting at least 125 lbs. The surface should be at least 30 inches high to assure comfortable positioning during operation. All four rubber support feet should be positioned completely on the supporting surface. The output tray should be positioned so that it hangs over the edge of the table. Instructions for assembling the output tray are included in the laminator package.

3. Avoid locating the laminator near sources of heat or cold. Avoid locating the laminator in the direct path of forced, heated or cooled air.

4. Connect the attachment plug provided with the laminator to a suitably grounded outlet only. **Avoid connecting other equipment to the same branch circuit to which the laminator is connected, as this may result in nuisance tripping of circuit breakers or blowing fuses.**

Feature Guide

A. **Power Switch:** Fig (1). Located in the rear of the machine and applies power to the laminator. The LCD display panel will illuminate when position marked **"I"** is depressed. The off position marked **"O"**, removes power from the laminator

B. **Fuse:** Fig (1). Electrical safety device, located near on the rear of the machine near the power cord, that can be replaced by the operator if necessary. The Eagle OS 35 requires a 15 A, 250V fuse
WARNING: If the fuse opens a second time after being replaced, contact your local GBC Technical Representative or dealer/distributor for assistance.

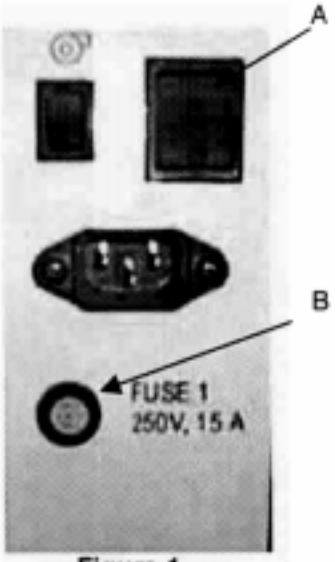

Figure 1

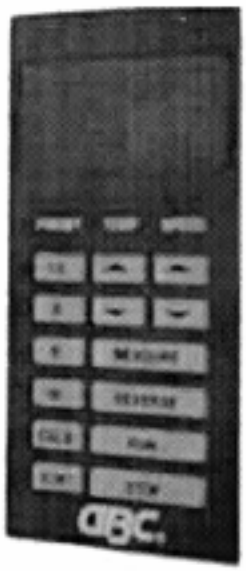

Figure 2

C. **Control Panel:** Fig (2).

Display

READY: Indicates when the laminator has sufficient heat for the film gauge selected. Flashes when the temperature is close to the set point.
SPEED: Indicates the speed setting of the motor
TEMPERATURE: Displays the programmed temperature setting in either Fahrenheit or Celsius.

Function

PRESET FUNCTIONS (1.5, 3, 5, 10): When depressed, these buttons automatically set the speed and temperature for NAP LAM II film, 20 lb. paper (copier paper).
COLD: Shuts off power to the heaters to cool the machine.

C/F: Sets the temperature display to either Celsius or Fahrenheit.
Temp (∧)*:* Overrides the preset temperature and increases the set temperature by increments of 1 degree.
Temp (∨)*:* Overrides the preset temperature and decreases the set temperature by increments of 1 degree.
Speed (∧)*:* Overrides the preset speed and increases the set speed.
Speed (∨)*:* Overrides the preset speed and decreases the set speed.
Measure: Displays the current roller temperature when depressed.
Reverse: Reverses the direction of roll movement when depressed in order to clear jams and wrap-ups.
Run: Activates rollers for normal operation
Stop: Deactivates rotation of the rollers.

D. **Top Safety Shield:** Fig (3) Prevents entanglement, entrapment and inadvertent contact with the top heat roller. **The laminator will operate only when the Safety Shield is located in the fully locked position. Power to the motor is removed when the shield is removed.**
E. **Bottom Safety Shield:** Prevents entanglement, entrapment and inadvertent contact with the bottom heat roller. **The laminator will operate only when the Safety Shield is located in the fully locked position. Power to the motor is removed when the shield is removed.**
F. **Automatic Feed Table:** Fig (3). The area used to stage paper to be laminated.
G. **Feed Weights:** Fig (3). Movable weights to adjust the downward pressure on the paper which is being automatically fed. The weights can be moved left or right depending on the amount of force needed for the type of paper or the ink coverage on the paper.

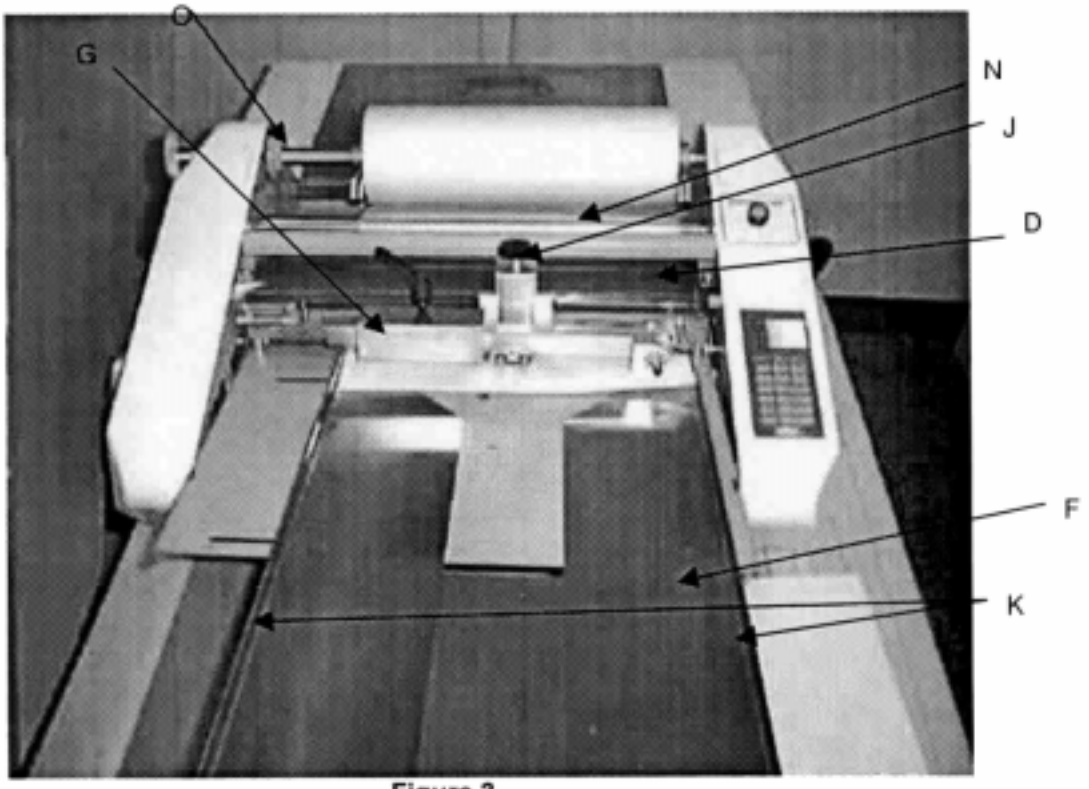

Figure 3

H. **Feed Wheel:** Roller on the Feed Table that drives paper into the heater rollers
I. **Feed Wheel Manual Knob:** Fig (5). Rotating the knob counterclockwise moves the paper into the roller. This is required to begin automatic operation.
J. **Singulator and Singulator Adjustment Knob:** Fig (3). The adjustment knob adjusts the gap between the roller and the singulator to allow for paper of varying thickness.

K. **Feeding Guides:** Fig (3). The left feed guide may be adjusted to allow for paper of varying widths. The guide may also be angled to guide the paper into the heater rollers.
L. **Heat Rollers:** The top roller is Teflon coated and the bottom roller is silicone rubber coated. Both function to heat and compress the laminating film.
M. **Roller Pressure Handle:** Fig (4). Adjusts the amount of roller pressure needed for various laminating and mounting applications. When the unit is not in use the handle should always be in the Upper "Mounting" position.

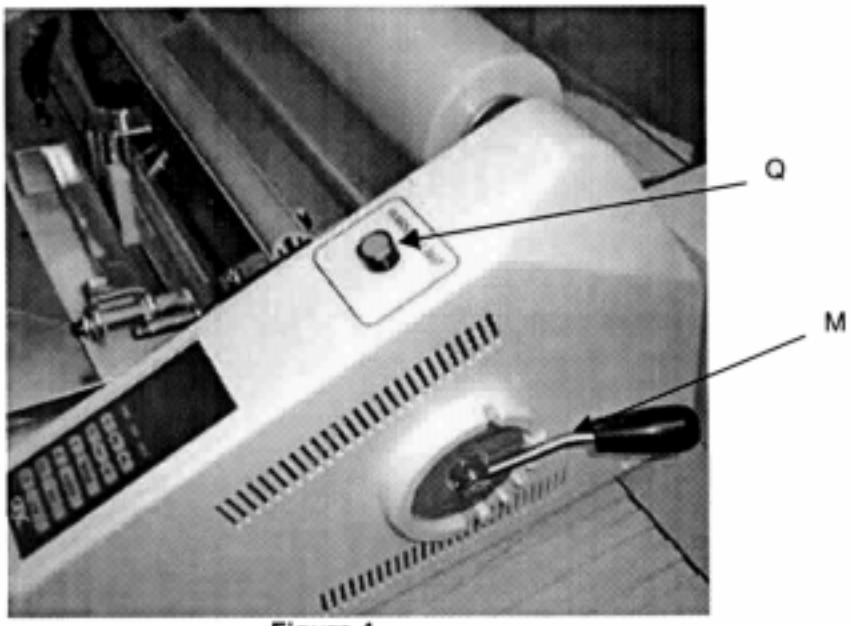

Figure 4

N. **Idler Bar:** Fig (3). The idler bar located near the supply roll is used to direct the film to the heat rollers.
O. **Film Shaft and Core Adjuster:** Fig (3). The core adapters are inserted into the ends of the film cores. The film shaft is inserted through the centers of the core adapters then placed on the laminator. The Eagle OS 35 can only run film with a 1" core.
P. **Brake (Tension) Adjustment Knob:** Fig (5). Allows the operator to increase or decrease film web tension as needed to reduce curl and wrinkles.
Q. **Error Indicator Lamp:** Fig (4). When illuminated this lamp indicates that there is an error condition at the knife or in the feed area.
R. **Top Pull Rollers:** The pull rollers, located behind the heat rollers, are motor driven. They simultaneously pull the film and improve the quality of the laminated item.
S. **De-Curler Bar and Bottom Pull Roller:** Fig (6) Work in conjunction with each other to remove curl from the end product.
T. **Clutch Adjustment:** Fig (5) Adjusts the clutch on the bottom pull roller, thus giving the operator control of the output curl.
U. **Separator Knife:** Fig (6) Knife which automatically separates sheets from the film web.
V. **Sheet Sensor:** Fig (6) Optically senses the leading edge of each sheet as it passes over the knife.
W. **Knife Adjustment Knob:** Fig (6) Adjusts the angle at which the knife intercepts the film web. This may need to be changed for various film and paper thickness.
X. **Knife Pulley:** Fig (6) Rubber pulley on which the knife travels. This can be moved manually to return the knife to home state after an error condition.
Y. **Rear Pull Rollers:** Fig (6) Adds tension to the film web to allow the knife to separate the sheets.
Z. **Rear Safety Shield:** Prevents entanglement, entrapment and inadvertent contact with the knife and pull rollers. **The laminator will operate only when the Safety Shield is located**

in the fully closed position. Power to the motor and knife is removed when the shield is raised.

AA. **Output Stacker and Stop Magnet:** The output stacker should be allowed to hang off the edge of a table. It is designed to stack sheets up to 18" in length. The stop magnet can be moved up or down depending upon the size of the sheet.

Figure 5

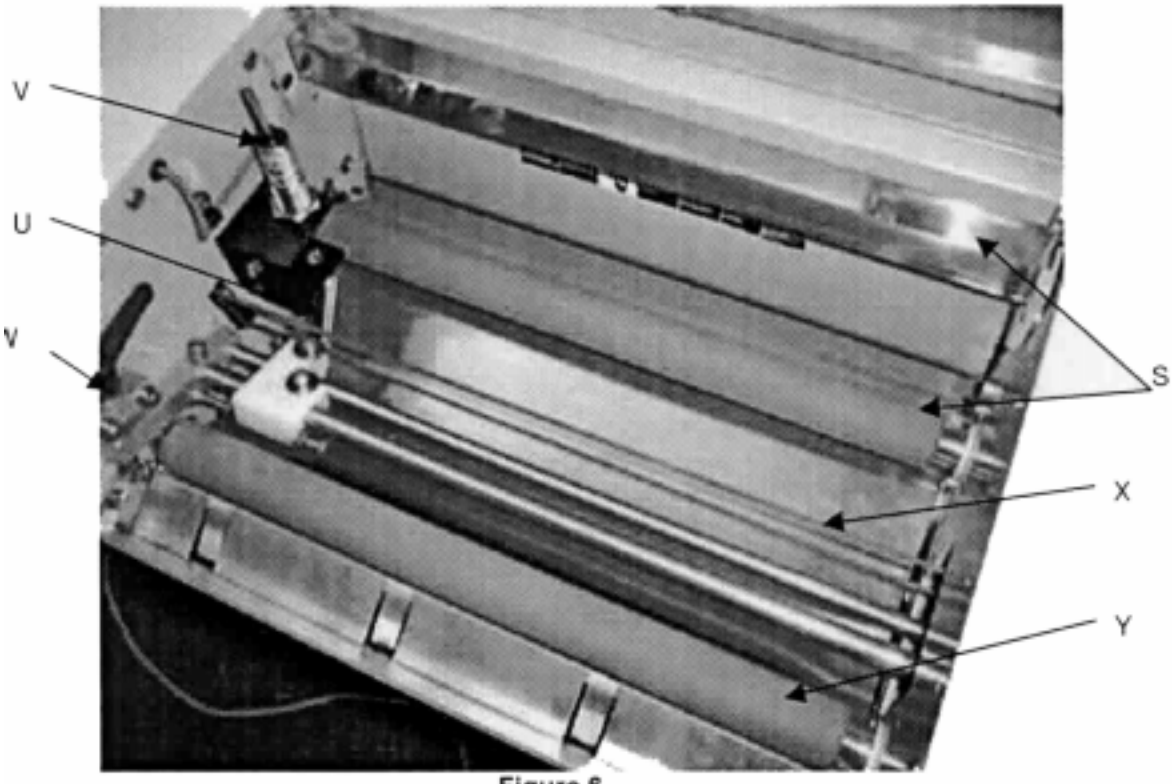

Figure 6

Operating Instructions

Film Loading and Threading

Selecting the Proper Film Width

It is very important to select the proper film width for the substrate being laminated. If the film is too wide for the paper then the film adhesive will be in contact with the rollers. This can cause film wrap-ups and possibly permanent damage to the rollers.

When choosing film make certain that the width of the film is at least ¼" less than the width of the substrate being laminated. This allows for a 1/8" edge on each side of the paper. This is also important since offline operations such as perfect binding require that the paper have a clean edge before it can be registered in the binder.

Using a Film Threading Card

The following procedure utilizes a heavy sheet of paper to thread the unit:

1. Turn the main power switch on (**I**).
2. Remove the safety shield.
3. Carefully cut the film web between the supply roll and heat rollers. **Be careful not to cut or scratch the heat rollers.**
4. Raise the rear safety shield to the upright position. Cut the web just above the first set of pull rollers.
5. Lower the cutter safety shield.
6. Move the Roller Pressure Handle to the "Mount" position and pull the film out the front of the laminator.
7. Remove the film shaft by sliding the shaft to the right until the left side of the shaft clears the hexagonal receptacle on the brake hub. Loosen the thumbscrew on the left core adapter of the film supply shaft. **Do not loosen the right core adapter thumbscrew.** Tap the left end (hex) of the shaft on a table. Pull shaft partially out of film tube. Then use the end of the film shaft to force the core adapter out of the film tube.
8. Slide the film shaft into the new roll of film ensuring that the film will unroll from the bottom. (Figure 7) Slide the left core adapter on the shaft protruding from the left side of the film roll. Tap the core adapter into the film roll and tighten the thumbscrew.

Figure 7

9. Return the film shaft onto the unit by first inserting the round end of the film shaft into the right hand side of the machine and then inserting the hex end into the hexagonal receptacle on the brake hub. (Figure 8)

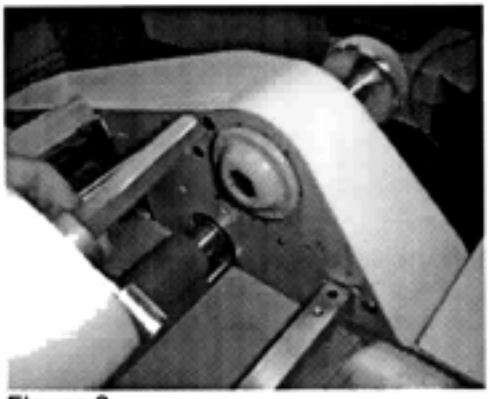

Figure 8

10. Unroll enough film to drape over the idler bar and both heat rollers, (Figure 9). You may have to use a piece of chip board to push the film down between the heat rollers and the automatic feed tray.

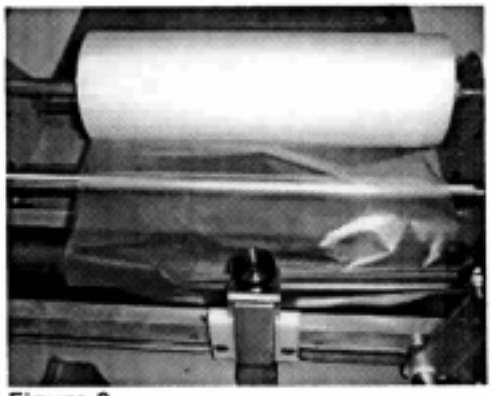

Figure 9

11. Raise the singulator by turning the singulator adjustment knob counterclockwise

12. Slide a heavy sheet of paper, (approximately 80 lb.), into the nip area ensuring that the film enters the rollers. (Figure 10)

Figure 10

13. Replace the safety shield, adjust the roller pressure handle to the "Heavy Gauge" position, and then depress the **RUN** switch. Ensure that the leading edge of the sheet and the film enters the pull rollers and exits toward the de-curler bar.

14. As the sheet of paper passes through the nip of the rollers, the laminator motor will automatically shut off. Start a second sheet into the heat rollers to further drive the film web.

15. Once enough film exits the top pull rollers, raise the rear safety shield and guide the web over the breaker bar and into the lower pull rollers.

16. Lower the rear safety shield. The laminator will automatically start.

17. Allow the laminator to run until the film approaches the knife. Again, raise the rear safety shield and carefully guide the film web below the knife.

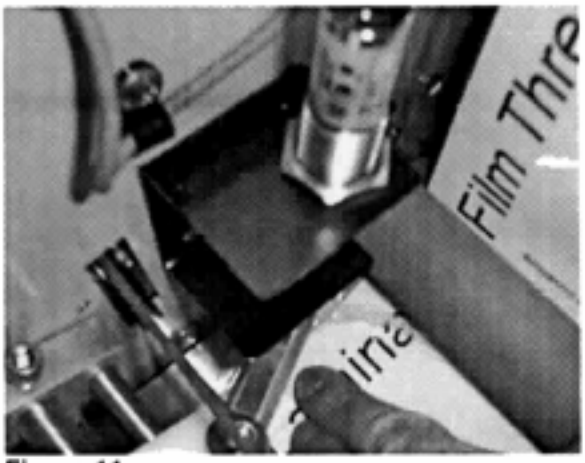

Figure 11

18. Lower the rear safety shield. The laminator will automatically start.

19. Make certain that the film web travels through the rear pull rollers and exits the machine. If the web gets jammed before the pull rollers, raise the shield and guide the film properly.

20. Depress the **STOP** switch on the control panel once the web has exited the rear of the machine.

Method for Splicing Film Rolls

The following describes a method for loading film whereby the existing film present on the heat rollers may be used to draw the new film through the laminator. The adhesive of the existing film must be tacky or liquefied. The leading edge of the new film will be overlapped onto the tacky adhesive of the old film. The existing film and the new film will be pulled through the laminator together.

1. Preheat the laminator.

2. Cut remaining film web between the supply roll and heat roller.

3. Do not allow the adhesive side of the film to contact the heat or pull rollers. Liquefied or tacky adhesive deposited on heat rollers will require the rollers to be cleaned.

4. Remove the film shaft by sliding the shaft to the right until the left side of the shaft clears the hexagonal receptacle on the brake hub. Loosen the thumbscrew on the left core adapter of the film supply shaft. **Do not loosen the right core adapter thumbscrew.** Tap the left end (hex) of the shaft on a table. Pull shaft partially out of film tube. Then use the end of the film shaft to force the core adapter out of the film tube.

5. Slide the film shaft into the new roll of film ensuring that the film will unroll from the bottom. Slide the left core adapter on the shaft protruding from the left side of the film roll. Tap the core adapter into the film roll and tighten the thumbscrew..

6. Return the film shaft onto the unit by first inserting the round end of the film shaft into the right hand side of the machine and then inserting the hex end into the hexagonal receptacle on the brake hub.

7. Unroll enough film from the new supply to lay over top of the supply left in the machine.

8. Lay the new film supply over top of the old supply.

9. Place several sheets of scrap paper in the automatic feeder.

10. Start the unit as described in the section **"Begin Laminating"**

11. Observe the film being pulled through the laminator to assure that the remaining existing film and the new film are advancing concurrently. Any separation between the films will require stopping the motor immediately and correcting the situation

12. Press **STOP** once the newly threaded film has completely exited the laminator.

Aligning the Film

The film should line up so that the film edge is at least 1/8" away from the paper edge. To align the film, loosen the thumbscrews on the core adapters. Slide the film roll into the proper centered position and tighten the thumbscrew. Repeat this procedure until the film is centered on the paper.

Adjusting Film Tension

Film tension should be checked occasionally to assure that the adjustment is correct. Proper film tension, known as brake tension, is the minimum amount required to eliminate wrinkles in the finished item. The film should be taut just enough to eliminate rivers and cascading as the film goes over the heat roller. A properly adjusted roll of film should not require excessive force to turn by hand. Excessive tension will cause unwanted curl in the finished product.

1. To adjust tension, rotate the Brake Adjustment knob. Turning the knob clockwise increases the tension while counterclockwise decrease the tension.

2. Laminate some test samples to check for proper tension. Further adjust if necessary

Flat Output Using the Clutch and De-Curler Bar

Applying and stretching laminating film over the paper substrate has the tendency to create an inward curl of your output. Therefore, it is necessary to reverse this curl by "bending" the paper in the opposite direction. Your Eagle OS is equipped with a feature to reverse the curl after the paper has been laminated. The film web runs over top of the de-curler bar and into the lower pull rollers.

The lower pull rollers have an adjustable clutch which can be used to reposition the paper relative to the de-curler bar. The de-curler bar is shaped such that different positions on the bar introduce a different amount of backward curl. Turning the Clutch Adjustment knob clockwise increases the amount of backward curl while turning it counterclockwise reduces the amount of backward curl.

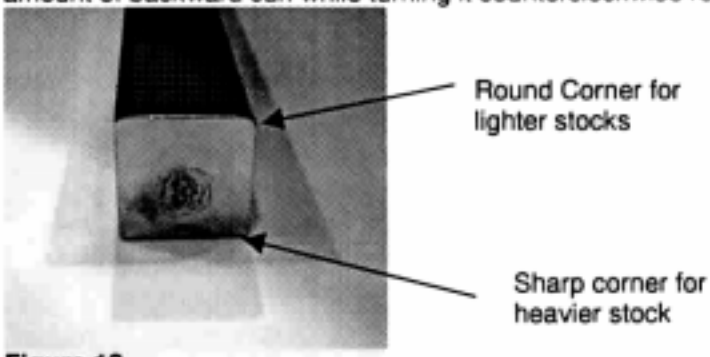

Figure 12

Different paper stocks will require different amounts of curl. In order to compensate for the paper stock being used, the de-curler bar was designed with several different corners. The rounder corners are used for lighter paper stocks while the sharper corners are used for heavier paper stocks. (See Figure 12) The de-curler bar may be removed by lifting it straight out of the machine. Rotate the bar so that the proper corner is at the top and pointing toward the rear of the unit.

Adjusting the Knife Angle

The angle of the knife blade on the Eagle OS can be adjusted up or down. It may be necessary to change the angle of the blade when switching to a different paper stock. The knife should be adjusted so that it does not knick the edge of the paper before the sheet to be separated. However, it must be low enough so that the corner of the leading edge of each sheet is "lifted" by the knife blade. Once the paper is lifted, the sheet sensor can detect the edge of the sheet and the knife is triggered to separate the sheets.

To move the knife blade downward, rotate the knife adjustment knob counterclockwise. To raise the knife edge, rotate the knife adjustment knob clockwise.

Loading Paper

The Eagle OS automatic feeder can accept about 100 sheets of 20 lb. bond. Paper weights up to 80 lb. bond are acceptable for automatic feeding by the unit. To load paper, simply lift the weight arm and stack the paper on the automatic feed table. Gently lower the weight arm onto the paper.

Setting the Side Guides

The left side guide on the Eagle OS can be adjusted to align varying paper widths. To align the guide, loosen the wing nuts beneath the feed assembly. Slide the guide into position so that the paper will rest right next to the guide.

You may find that with some paper the feeder works best when the feed guide is on a slight angle. If paper has heavy toner coverage it may slip a bit on the feed wheel thus skewing it as it enters the heat rollers. By angling the feed guide the paper skewing can be minimized.

Setting the Singulator

The singulator is an adjustable device that allows the feeder to run paper of varying thickness. The following explains how to adjust the singulator to feed your paper stock:

1. Lift the feed weight and raise the singulator by turning the singulator adjustment knob counterclockwise. Slide a sheet of paper, of the same thickness (weight) as your job, between the feed wheel and singulator.

2. Lower the singulator by turning the adjustment knob clockwise until it touches the sheet of paper. Pressure is correct when there is enough drag on the sheet to pull it out with a light amount of force.

3. Position the items to be laminated on the Feed table against the singulator. Lower the feed weight.

4. Rotate the Feed Wheel Manual Knob counterclockwise.

5. If only 1 sheet move into the heat rolls then the singulator is set properly. If zero sheets move into the feed roller then rotate the adjustment counterclockwise for more pressure. If more than one sheet moves then rotate the knob clockwise to reduce the pressure.

Adjusting the Weight

The weight applies pressure to the nip point of the singulator, thus, allowing paper to be fed using the feed roller. The Eagle OS ships with 2 weights. These weights can be moved by loosening the handles and sliding them horizontally across the weight arm.

As you move the weights to the left of the arm you increase pressure at the nip point. Moving them to the right does the opposite. Generally speaking heavy bond paper and heavy toner coverage requires more weight.

Adjusting for Sheet Overlap

When the unit is properly set up the fed sheets will overlap each other by approximately ¼". If they are overlapped by less or not at all then it is likely that more weight must be added. Alternatively, you may need to add more pressure to the singulator by rotating the singulator adjustment knob counter clockwise. If the paper is overlapped by more that ¼" then the weight must be reduced by moving the weight to the right. Alternatively, the pressure on the singulator may need to be reduced by rotating the singulator knob clockwise. (Figure 13)

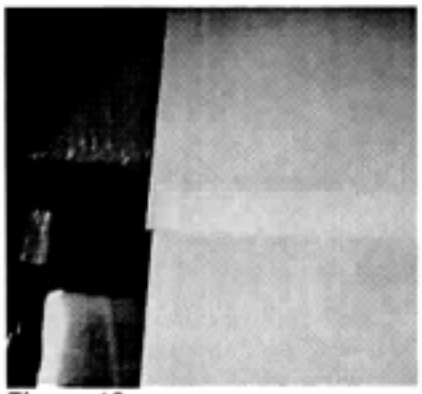

Figure 13

Paper Grain Discussion

The direction of the paper grain is an important factor in the curl direction of the finished product. This is especially important when using the laminated paper as a book cover. When laminating paper the direction of the paper grain should be parallel with the heat rollers.

On 8 ½" x 11" paper the grain is typically parallel to the 11" edge (long grain) which means that the 11" edge should be fed into the heat rollers. If the paper is fed 8 ½" edge first, then the output will have what is called a tunneling effect or the edges will be curled upward.

Most 11" x 17" paper, 24 lb. and above, is "short grain" and therefore should be run with the 11" edge into the heat rollers.

Setting the Laminating Speed and Temperature

The Eagle OS 35 is equipped with four preset speed and temperature functions for 1.5, 3, 5 or 10 MIL film. When depressed the laminator will automatically set the speed and temperature for the respective GBC NAP II and 20 lb. bond paper (copier paper). It is easy to override the presets by using the appropriate speed and temperature buttons.
For Hi-Tac film, the rollers must maintain a 265°F and it should be set at speed 6 to adhere to silicone coated laser print output.

Determining the Proper Speed and Temperature

Good, consistent lamination is a result of combining proper heat, tension and dwell time. Dwell time is controlled by the speed of the motor and is defined as the amount of time the material to be laminated is compressed between the heat rollers. When one of the film gauge buttons is selected the laminator automatically sets the speed and temperature for that film and 20 lb. bond paper (copier paper).

As a general rule, thicker items and film need to run at slower speeds because they extract more heat from the rollers at a quicker rate. Setting the speed control at slower settings gives the laminator longer dwell time thus allowing proper lamination thick items. Thinner items, such as standard copier paper (20 lb. bond) and tissue paper, extract less heat from the rollers and can be run at faster speeds.

The WAIT LCD may illuminate if the speed is set too fast for the material being laminated. Either lower the speed setting or press STOP and wait until the READY LCD illuminates.

Operation of the laminator for more than thirty minutes at a time may necessitate a lower speed setting. If you are unsure that the laminator set properly for the item to be laminated, run a test piece (scrap) of the same or similar material through the laminator. This procedure is recommended because rotating the rollers prior to lamination will more evenly distribute the heat. Make speed and temperature adjustments if necessary.

Begin Laminating

Do not attempt to laminate abrasive or metal objects such as staples, paper clips and glitter, as they may damage the heat or pull rollers.

Do not force items into the nip area of the heat rollers. An item that is not easily drawn into the laminator by the heat rollers is probably too thick to laminate.

Wrinkles may result if an attempt is made to reposition an item once it has been grasped by the heat rollers.

Do not stop the laminator before an item has completely exited the pull rollers. Even a momentary stop will cause a mark (heat line) on the laminated item.

You are now ready to begin laminating your documents. To start laminating first depress the RUN button on the control panel. The Eagle OS will *not* start feeding the document. In order to start feeding paper the Feed Wheel must be rotated counter-clockwise until the first document reaches the sensor. Once started the feeder will feed continuously until the feeder is out of paper. The feeder can be loaded while the laminator is operating for continuous operation. When the feeder is completely out of paper the Error Indicator Lamp will illuminate and more paper should be added to the feeder.

Clearing a Film Jam

Film jams (wrap-ups) may occur if the film is loaded backwards or it if the area at which film exits the equipment is blocked. The film, when jammed, wraps around heat or pull rollers. To clear a jam it is necessary to rotate the rollers in the reverse direction. When pressed, the REVERSE button on the control panel will cause the rollers to reverse.

To clear a jam at the feed roller:

1. Immediately stop the laminator by pressing STOP.
2. Cut the film web between the supply roll and top heat roller.
3. Grasp the loose ends of the web, pull straight, and install the feed tray so the web is on top of the tray. Replace the safety shield. Press and hold down the RUN and REVERSE buttons together; guide the film out of the heat rollers.
4. Once the jam has cleared the heat rollers, press the STOP button.
5. Thread the film per section FILM LOADING AND THREADING.

Clearing a Knife Jam

Occasionally the knife will jam in the film web as it is separating the material. When this occurs the error indicator in the front of the machine will illuminate.

To clear a jam near the knife:

1. Immediately stop the laminator by pressing STOP.
2. Raise the rear safety shield.
3. Carefully guide the paper beneath the knife.
4. Guide the knife to the home position below the paper sensor by moving the green pulley.
5. Lower the rear safety shield.

Caring for the Eagle OS

GBC offers Cleaning kits as well as Extended Maintenance Agreements. Contact your local GBC Service Representative or your dealer/distributor for additional information.

The only maintenance required by the operator is to periodically clean the heat rollers. The following procedure will help keep the heat rollers free of adhesive that has been deposited along

the edge of the laminating film. Proper alignment of the rolls of film will reduce the amount of adhesive that is deposited on the rollers.

Do not attempt to laminate adhesives marked "Flammable"

Do not laminate glitter and/or metallic items. Damage to the rollers may result.

Cleaning the Heat Rollers

CAUTION: THE FOLLOWING PROCEDURE IS PERFORMED WHILE THE LAMINATOR IS HOT. USE EXTREME CAUTION.

WARNING: Do not apply any cleaning fluids or solvents to the rollers. Some solvents and fluids could ignite on heated rollers.

- Never clean rollers with sharp or pointed objects
- Hardened adhesive deposits on the rollers can cause damage to the rollers. Rotate the rollers at the lowest speed setting on the control panel.

1. Remove the film from the laminator following the procedure outlined in steps 1 through 7 of the section FILM LOADING AND THREADING, Using a Film Threading Card.
2. Preheat the laminator until the READY LCD illuminates.
3. Rub the top and bottom heat rollers with a 3M™ Scotchbrite™ pad. DO NOT USE METAL SCOURING PADS!
4. Install the feed table safety shield.
5. Press RUN to rotate the heat rollers to an unclean portion. Press STOP. Continue this process until the complete surfaces of both rollers are clean.
6. Follow the procedure in section FILM LOADING AND THREAD, Method Using Film Threading Card to reload the laminator.

Specifications

Operating Speed:	Up to 5 fpm (1.5m/min)
Dimensions:	
Width:	25" (63.5 cm)
Height:	33" (83.8 cm)
Depth:	50" (127 cm)
Weight:	95 lbs. (42.8 kg)
Electrical Ratings:	Refer to the serial plate located on the rear of the laminator for the specific electrical rating applicable to the unit.
Electrical Requirements:	
Voltage:	120 V, 60 Hz
Current:	12 A
Power:	1440 W
U.S Receptacle Requirement:	NEMA 5-15R