

QUICK REFERENCE

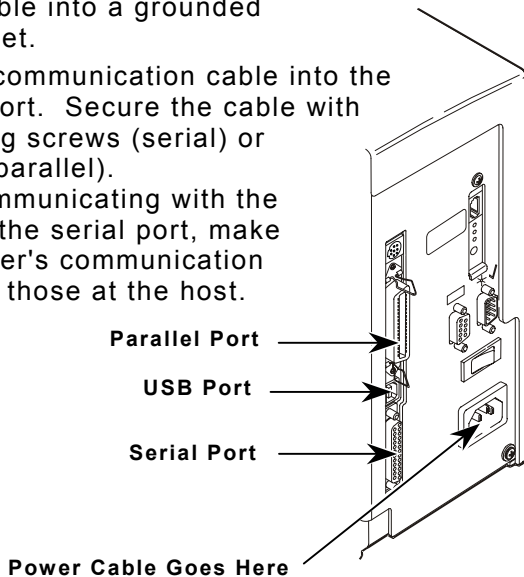
This *Quick Reference* contains supply loading and general care and maintenance procedures for the Monarch® 9855® printer. For more detailed information, refer to the *Operator's Handbook* available on our Web site (www.monarch.com). For information about creating formats, configuring the printer, or programming the printer, refer to the *Packet Reference Manual* available on our Web site.

Note: Information in this document supercedes information in previous versions. Check our Web site for the latest documentation and release information.

Connecting the Cables

The power supply automatically switches between 115V or 230V. There are no operator settings required.

1. Review the safety information in the *Regulatory Compliance* document included with your printer.
2. Plug the power cable into the socket. Plug the other end of the cable into a grounded electrical outlet.
3. Connect the communication cable into the appropriate port. Secure the cable with the connecting screws (serial) or spring clips (parallel).
If you are communicating with the host through the serial port, make sure the printer's communication values match those at the host.



The factory default values are 9600 Baud, no parity, 8 bit data frame, 1 stop bit, and DTR flow control (9600, N, 8, 1, DTR).

Set the communication values on the printer to match those at the host.

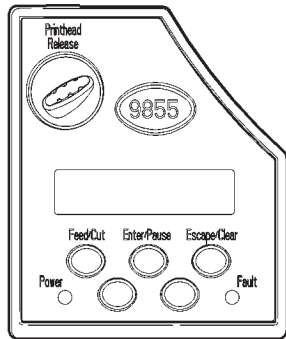
The printer also has a USB (Universal Serial Bus) version 2.0 communications port, which is compatible with version 1.1. Drivers are available on our Web site for a variety of operating systems.

4. Turn on the printer. Press (I) to turn on and (O) to turn off the printer.

Using the Control Panel

The control panel has a two-line LCD display, two status lights, and five buttons.

The control panel displays error codes/messages, and allows you to setup/configure the printer.



Power: The printer shows a steady green light when it is on.

Fault: The printer shows a steady amber light when it is out of labels or ribbon, or when you have a supply jam.

Feed/Cut: Prints a label in the on-demand mode, feeds a blank label if there is no print job, prints a label with error information that is useful to your System Administrator if an error is displayed, cuts the supply when pressed and held for two seconds if a knife is installed.

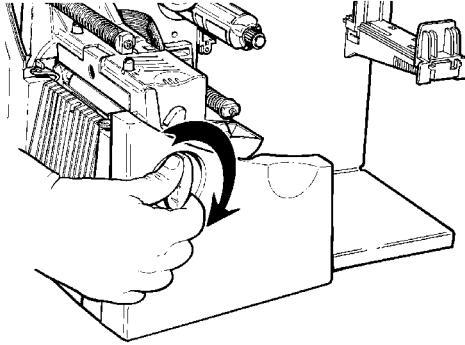
Enter/Pause: Pauses the current print job or resumes a paused print job. Selects the displayed menu item.

Escape/Clear: When an error is present, clears the error. When a job (batch) is printing, cancels the print job (batch). Enters the offline menu mode or returns the display to the next higher menu.

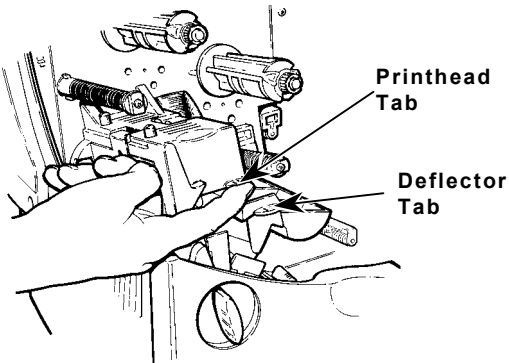
- ← Displays the previous menu item.
- Displays the next menu item.
- ← and → Prints a test label when you press the buttons at the same time. Hold for one second and release.

Loading Labels or Tags

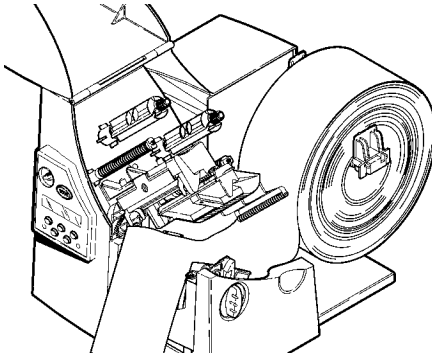
1. Open the cover.
2. Unlock the printhead by turning the retaining latch.



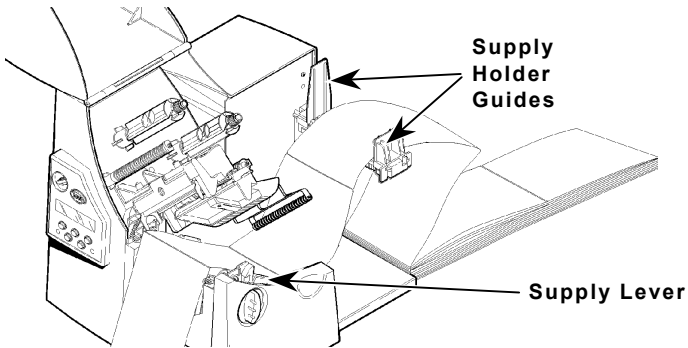
3. Lift printhead assembly using the printhead tab until the assembly locks into place.



4. Place the roll of supply on the supply holder. For labels, the supply unrolls from the top or the bottom. For tags, make sure the supply unrolls from the bottom, because tag rolls are wound face in. **Do not pick up the printer by the supply holder.**



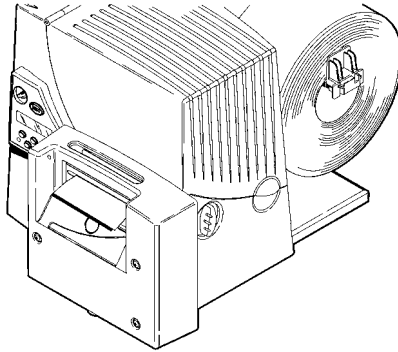
5. Adjust the supply holder guides so the sides barely touch the roll. Make sure the supply roll turns freely. **If you are using fan-fold supplies**, place the supply stack behind the printer, label side facing up.



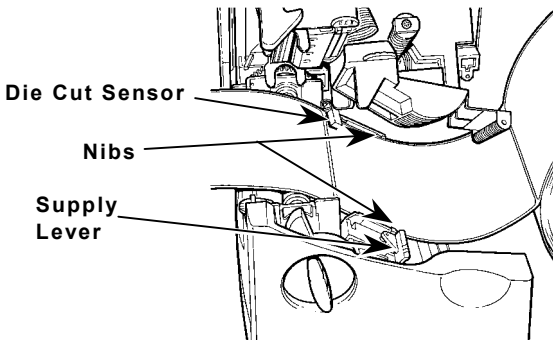
6. Push down on the supply lever to unlock the supply guides.
7. Lay the label strip across the supply guide so that a few inches extend past the front of the printer. Tuck the supply under the nibs and in between the die cut sensor.

For fan-fold supplies, lay the label strip over the supply holder and across the supply guide so that a few inches extend past the front of the printer. Tuck the supply under the nibs and in between the die cut sensor.

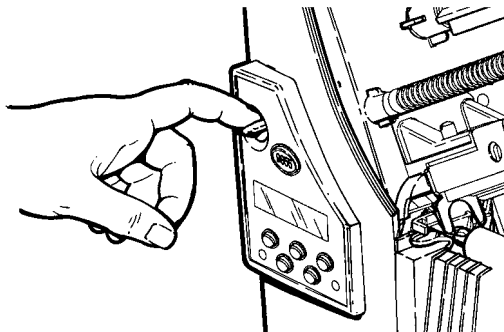
For tag supplies using the optional knife, feed the supply through the knife. Make sure at least 0.5 inches of supply is past the knife.



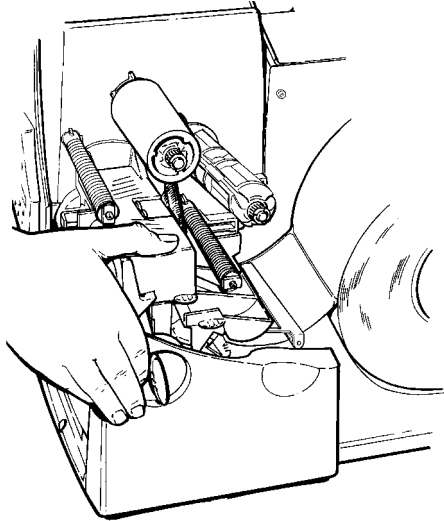
8. Adjust the supply guides so they touch the supply. Push up on the supply lever to lock the supply guides into place.



9. Hold the printhead assembly by the printhead tab while pressing down on the printhead release.



10. Close the printhead by pressing down on the thumb well until you hear it click into place.



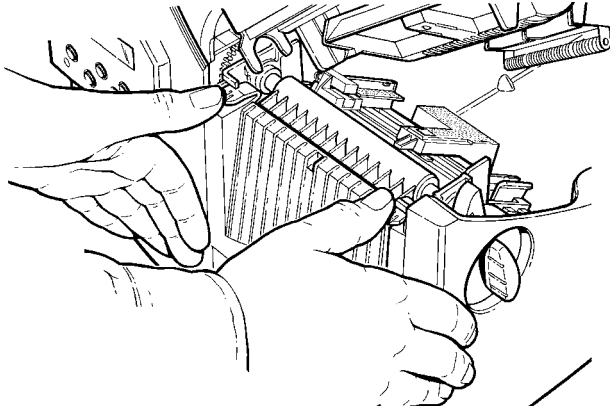
11. Close the cover.
12. Press **Feed/Cut** several times to feed at least three labels/tags to properly position the supply and the ribbon.

Loading Labels for the Optional Peel Mode

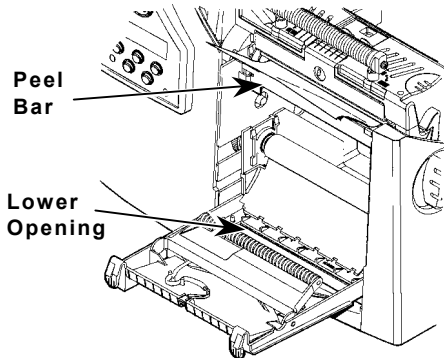
Peel mode must be purchased separately. In peel mode, the printer separates the backing paper from the label. The next label is not printed until the completed one is removed from the printer. Make sure the printer is configured for on-demand mode and the correct supply type. The minimum feed length is 1.5 inches for peel mode. Hold the leading edge of peeled labels when printing on stock longer than six inches. You must use non-perforated supplies for peel mode. Follow the steps for loading supplies from the previous section. Then, follow these steps after you close the printhead.

1. Remove the labels from the first 10 inches of the backing paper.

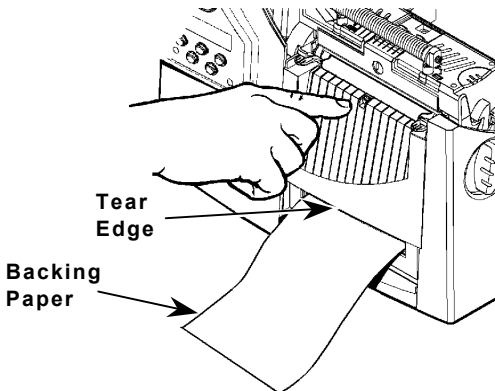
2. Press down on the exit cover tabs to open the exit cover on the front of the printer.



3. Feed the backing paper over the peel bar.



4. Feed the backing paper through the lower opening of the exit cover. Close the exit cover. Pull down on the backing paper to remove any slack.



When removing the backing paper, pull up across the saw-toothed tear edge. Make sure the backing paper tears at the edge.

5. Close the printer's cover.
6. Press **Feed/Cut** several times to feed at least three labels/tags to properly position the supply and the ribbon.

To load and use linerless or string tag supplies, refer to the *Operator's Handbook*.

Adjusting the Wide/Narrow Knobs

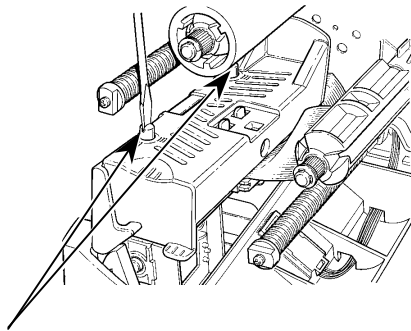
You may need to adjust the two wide/narrow knobs according to the width of your supply. For supply that is more than two inches, adjust the knobs to the wide setting. For supply that is two inches or less, adjust the knobs to the narrow setting. For linerless supply, use the narrow setting (knobs are up). For string tag supplies, use the wide setting (knobs are down).

You must adjust both of the knobs to the same position. If you experience ribbon smudging in cold, dry environments, adjust the wide/narrow knobs to the wide setting.

For wide supplies, push down and turn the wide/narrow knobs clockwise with a screwdriver.

For narrow supplies, turn the wide/narrow knobs counter-clockwise with a screwdriver until it pops back up.

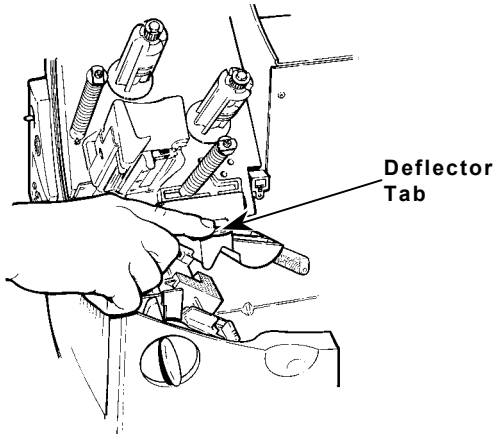
The adjustment is shown in the wide position.



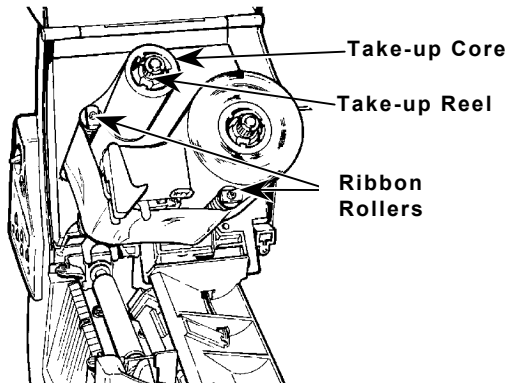
Wide/Narrow Knobs

Loading Ribbon

1. Open the cover.
2. Unlock the printhead by turning the retaining latch.
3. Lift printhead assembly using the printhead tab until the assembly locks into place.
4. Push the deflector tab down.



5. Slide the extra ribbon core on the take-up reel as far as it will go with the "This End Out" writing facing out. Use your empty ribbon core as the take-up core. The take-up core only fits on the take-up reel one way.
6. Remove the new ribbon from the package. Do not wrinkle or crush the new ribbon.
7. Slide the ribbon onto the back reel as far as it will go. Carefully unwind a few inches of ribbon from the bottom of the roll.



- Note:** Make sure the “Monarch This End Out” writing is facing out. The ribbon roll only fits on the reel one way.
8. Carefully feed the ribbon under both ribbon rollers and printhead.
 9. Align the ribbon and make sure it is straight and centered throughout the path.
 10. Tape the ribbon to the take-up core. Do not tape the ribbon to the take-up reel.
 11. Rotate the take-up core until the leader is past the printhead.
 12. Remove any slack in the ribbon by turning the take-up reel clockwise.
 13. Hold the printhead assembly by the printhead tab while pressing down on the printhead release.
 14. Close the printhead by pressing down on the thumb well until you hear it click into place. Close the cover.
 15. Press **Feed/Cut** several times to feed at least three labels/tags to properly position the supply and the ribbon.

Clearing Jams

When you are printing and a jam occurs, the **Fault** light on the printer's front panel blinks.

1. Turn off the printer and open the cover and printhead assembly.
2. If necessary, remove the label roll and ribbon.
3. Remove the jammed labels and reload the label roll.
4. Close the printhead assembly and turn on the printer.
5. Press **Feed/Cut** several times to feed at least three labels/tags to properly position the supply and the ribbon.

Cleaning

You **must** clean the printhead as described below to maintain printhead life.

Caution: **Do not** use sharp objects to clean the printhead or touch the printhead. This may damage the printhead and require a service charge.

The rate and frequency at which you print determines how often you must clean the printer. You may need to clean the printhead, sensor, and platen roller:

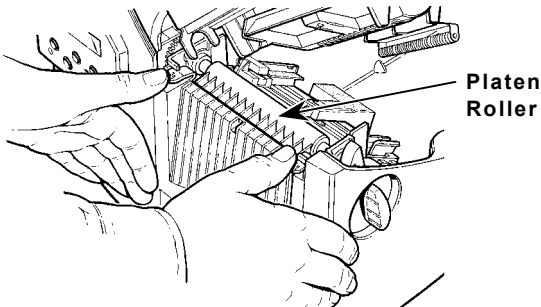
- ◆ if there is any adhesive build-up in the supply path.
 - ◆ after printing approximately 3 rolls of thermal transfer/thermal direct/linerless supplies or after each ribbon.
 - ◆ daily if your printer is in an excessively dirty, hot, or humid environment.
 - ◆ if you frequently receive supply error codes or when you see voids or streaking in the print as shown.
1. Turn off the printer and open the cover and printhead assembly.
 2. Remove the label roll and ribbon (when cleaning the printhead).
 3. Press down on the exit cover tabs to open the exit cover on the front of the printer.



Voids



Streaks



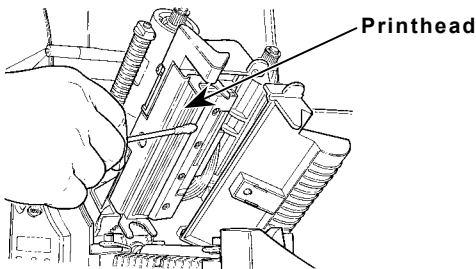
4. Clean the platen roller when you see significant adhesive build-up or a label is wrapped around the platen roller. Use a dry, soft-bristle brush, such as a toothbrush, to clean either the standard (black) or linerless (red/orange textured) platen roller.

If the brush does not remove all the adhesive

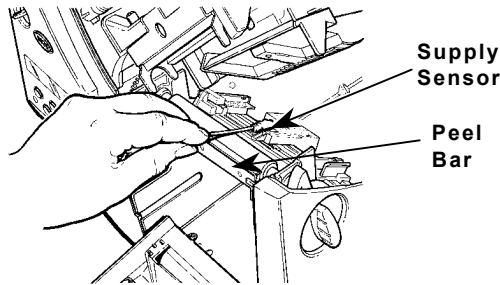
- ◆ use isopropyl alcohol **ONLY** on the standard (black) platen roller.
Moisten a cotton swab with isopropyl alcohol and run the cotton swab across the platen roller. Turn the platen roller with your finger to make sure the platen roller is clean all the way around.
After cleaning, feed several inches of supply through without printing to remove any remaining isopropyl alcohol.
- ◆ call Service to clean the linerless (red/orange textured) platen roller.

Note: Do not use alcohol or solvents on linerless (red/orange textured) platen rollers.

5. Rub the cotton swab moistened with isopropyl alcohol across the peel bar and remove any build-up.
6. Moisten another cotton swab with isopropyl alcohol. Rub the cotton swab across the printhead and remove any build-up. You may need to use a printhead CLEAN-STRIP if the printhead is extremely dirty or you see streaks on the supply.



- Rub the cotton swab across the supply sensor and die cut sensor and remove any build-up.



- Clean the build-up in the supply path.
- Let the printer dry before you reload supplies.
- Close the exit cover by pushing firmly on it. Both latches will click into place.
- Close the cover and printhead assembly.
- Turn on the printer and press **Feed/Cut** several times to feed at least three labels/tags to properly position the supply and the ribbon. Resend your format, batch, and check digit packets.

Troubleshooting

This section lists common problems and their solutions. For more detailed information, refer to the *Operator's Handbook* available on our Web site.

Problem	Action
Error message appears during startup	Turn off the printer, wait fifteen seconds and then turn on the printer. Call Service if the error message reappears.
Does not print.	Check supply and ribbon, send a corrected format and batch packet.
Does not feed.	Set wide/narrow knobs correctly.
Partially printed data.	Clean the printhead, send a corrected format packet.
Printing shadows or smears.	Clean the printhead, change supply, check ribbon.

Problem	Action
Light Printing. -or- Heavy Printing.	Clean the printhead, change supply, adjust the print contrast, check wide/narrow knobs, check ribbon.
Voids in printing.	Clean the printhead, change supply type, check ribbon.
Serial bar codes do not scan.	Leave printhead unlatched when not in use, use a print speed of 2.5 ips, adjust the print contrast.
Backing paper is wrapped around platen or peel roller.	Carefully remove the backing paper. Make sure the backing paper tears at the saw-toothed tear edge when using backfeed and peel mode.
Blank labels print or 750 series errors.	Clean the supply sensors.

Common Errors

If the action does not resolve the problem, call Service.

Error	Description/Action
002	Name must be 1 to 8 characters inside quotes.
005	Supply width is invalid.
018	Code page selection defined in the field is invalid.
025	Data length is too long.
101	Format referenced by batch not in memory.
259	Contrast adjustment must be within the range – 699 to +699 .
400	Invalid character following {.
403	Field separator was not found.
409	Printer memory is full. Delete unnecessary formats or graphics from memory.
410	Parity mismatch.
411	Framing error (baud rate mismatch).
412	Flow control mismatch.
413	Online receive buffer is full. Check for a flow control problem.

- 611 Font, bar code, or density in the batch does not fit the format.
- 612 The data in this line of the batch is either missing or does not match the format.
- 613 Reference point off supply.
- 614 Portion of field off supply or there may be an invalid character in the packet.
- 703 The printer sensed a calibration of different-sized black marks. Make sure the correct supply type is loaded.
- 704 Printer has not sensed a supply mark when expected or is out of supplies. Press **Escape/Clear** to continue printing. Change supply.
- 751 Printer did not sense a black mark when expected. Press **Escape/Clear** and try to continue printing. Change supply.
- 752 Printer sensed a mark in the wrong place.
- 753 Printer sensed a mark that is too long.
- 754 Check for a ribbon jam or remove any slack in the ribbon by turning the take-up reel clockwise. Load a new ribbon.
- 755 Printhead is open. Close the printhead.
- 756 Load supplies.
- 757 Load supplies (supply length mismatch). Press **Feed/Cut**.
- 758 Either the supply is not seen, the on-demand sensor is broken, or a label was removed too quickly. Check for a label jam or reload supplies.
- 763 Waiting to dispense label. Press **Feed/Cut**.
- 765 The printhead has less than 8 bad dots and can shift bar code fields to avoid bad dots. Press **Escape/Clear** to continue printing.
- 768 Printhead has more than 8 bad dots within the format area or is not connected. Connect printhead.

