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**FCC Compliance**

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.
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Chapter 1: Introduction

Thank you for purchasing the Gerber Jetster™, a high-resolution drop-on-demand piezo electric outdoor inkjet printer. Application possibilities include outdoor poster printing, banners, long-term backlit signage, building and construction announcements, vehicle graphics, durable indoor graphics, POS displays, and more.

The Gerber Jetster comes in two models:

♦ **Gerber Jetster 46** – 46 inch (118 cm) printer that produces prints up to 45.67 inches (116 cm) wide

♦ **Gerber Jetster 62** – 62 inch (157 cm) printer that produces prints up to 61.02 inches (155 cm) wide

The printer offers several print resolutions from the keypad.

♦ 360 x 180 dpi
♦ 360 x 360 dpi
♦ 720 x 360 dpi
♦ 1440 x 1440 dpi (diagonally interpolated)

Print speeds vary between:

♦ 156 ft²/h at 360 x 180 dpi (bi-directional)
♦ 58 ft²/h at 360 x 360 dpi (unidirectional)
♦ 78 ft²/h at 720 x 360 dpi (bi-directional)
♦ 7 ft²/h at 1440 x 1440 dpi (unidirectional)

![Note: Other resolutions and print modes may be available when directed by the host computer’s RIP software. Print speeds will vary based on the resolution and mode of printing.]

The printers use newly developed Eco-solvent inks that do not require special ventilation. The inks are offered in six colors, i.e. cyan, magenta, yellow, black, light cyan and light magenta. Prints are UV- and water-resistant for up to three years outdoors (*). Lamination is required for heavy-duty applications.

For the Gerber Jetster, Gerber will be offering certified media such as banner and vinyl, optimized for use with the Gerber Eco-solvent inks. As standard, Gerber Jetster printers are equipped with an automatic take-up system for unattended printing and separately controllable pre- and post-heaters for instant drying and wider media compatibility.

(*) Accelerated weather tests predict up to 3 years outdoor durability. Outdoor durability is location and application dependent.
In this manual

The following chapters introduce you to the Gerber Jetster, describe the printing process and procedures, and show you how to maintain your printer for maximum quality output.

*Installing and Setting up the Gerber Jetster* directs you in unpacking and setting up the Gerber Jetster and provides environmental recommendations.

*Preparing the Job* describes the loading and use of inks and media.

*Printer Maintenance* recommends cleaning and replacement of ink and cutting blades.

*Understanding the Control Panel and Heater Controls* provides details of the Gerber Jetster menu structure and describes printer and heater controls.

Conventions

The following conventions are used in this addendum:

- **Tip:** A tip contains valuable information that could make the task faster or easier.

- **Note:** A note contains important information that could affect the successful completion of a task.

- **CAUTION:** A caution statement contains information which, if not observed, could result in equipment damage.

- **WARNING:** A warning statement contains information which, if not observed, could result in personal injury.

Customer support

If you have questions regarding using, maintaining, or troubleshooting the Gerber Jetster please contact your Gerber distributor, GSP® Field Service for hardware questions, or Technical Systems Support for software questions.

- phone: 800-828-5406 for hardware, 860-644-6971 for software
- fax: 860-648-8376
- e-mail: gspservice@gspinc.com (hardware) or gsptech@gspinc.com (software)
- www.gspinc.com

Additional sources of information

- Gerber FastFacts™ provides answers to technical and service questions. The telephone number is 860-648-8040. FastFacts are also available on the web site under “Support.”

- If you are a Support First™ member, use your toll-free assistance number (for more information about Support First, call 860-644-6971).
Safety Labels

Safety Labels are attached to the internal and external area of the printer to alert you to potentially hazardous situations or conditions. The following safety labels are located inside the printer cover:

### LOADING A SHEET

- Align the media with the leading edge of the printing plate.
- Align the right side of the media with the base line (holes)
- Align the right side of the media with the center of the alignment line (hole).

### LOADING ROLL MEDIA

- Pull some media off the roll, feed it into the media feed gap and between the pressure rollers and the drive rollers.
- Pull out the media at the front side and make sure at least 0.5 meters hangs out in the front of the printer.

### CHECK THE POSITION OF THE ROLL MEDIA

Turn the scroller manually to wind up the media so that it is nicely stretched. Align the right side of the media with the drive roller base line (holes)
**FINE TUNING THE ROLL MEDIA POSITION**

Turn the screw counterclockwise to move the media to the right.

Turn the screw clockwise to move the media to the left.

---

**CAUTION**

- During printing: Do not touch the media.
  Do not open the cover.
- When the machine is idle (or not in use) for a longer period of time, leave the media hold lever up and unload the media.
- Do not use damaged media.
- Before using new media, please respect at least 30 minutes of acclimatization time.

---

**CAUTION**

- Make sure to load the media correctly. Media should be fed between the base plate and the media guiding fins attached to the pressure roller assembly.
- Never put the media lever is the up position:
  - While the head is moving.
  - When the printer performs its media loading sequence.
  - During automatic sheet-off.
  - During cleaning.

---

**CAUTION**

- When the media lever is in the UP position:
- Make sure the head does not touch the media guiding fins attached to the pressure roller assembly.
- Do not move the head manually.
- Regularly clean/replace the automatic sheet-off blade. When replacing blades, switch the printer off and put the hold lever down.
- Regularly clean the paper sensor and printing plate. (Refer to the manual for proper instructions.)

---

**CAUTION**

- After loading ink for the first time, please wait 30 minutes before launching the first print.

---

**WARNING**

- Do not touch the steel belt.
To move the left pressure roller, put the media hold lever in the UP position.

The following label is located on top of the cassette bay.

- Do not remove ink cassettes when printing.
- Do not put fingers in the ink cassette compartment.
- Do not tilt the waste ink box when removing it.

- When tilting or storing the media scroller always keep the fixed flange side at the bottom to avoid media from sliding down.
Chapter 2:
Installing and Setting up the Gerber Jetster

Installation requirements

The location where you set up your equipment is very important. The room must be large enough to accommodate the Gerber Jetster and the printer media and have the proper power supply.

Gerber Jetster size and weight

You must have enough room to maneuver the packed Gerber Jetster to its final location where you can unpack and assemble it. Alternately, you can assemble the Jetster and then wheel it to its final location.

<table>
<thead>
<tr>
<th>Model</th>
<th>Crated Size</th>
<th>Crated Weight</th>
<th>Uncrated Size</th>
<th>Uncrated Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gerber Jetster 62</td>
<td>102.5&quot; l x 34.5&quot; w x 42&quot; h</td>
<td>454 lbs.</td>
<td>94&quot; l x 28&quot; w x 53&quot; h</td>
<td>394 lbs.</td>
</tr>
<tr>
<td></td>
<td>260.4 cm x 87.6 cm x 106.7 cm</td>
<td>205.9 kg</td>
<td>238.8 cm x 71.1 cm x 134.6 cm</td>
<td>178.7 kg</td>
</tr>
<tr>
<td>Gerber Jetster 46</td>
<td>78.5&quot; l x 34.5&quot; w x 42&quot; h</td>
<td>335 lbs.</td>
<td>70&quot; l x 28&quot; w x 53&quot; h</td>
<td>275 lbs.</td>
</tr>
<tr>
<td></td>
<td>199.4 cm x 87.6 cm x 106.7 cm</td>
<td>151.9 kg</td>
<td>177.8 cm x 71.1 cm x 134.6 cm</td>
<td>124.7 kg</td>
</tr>
</tbody>
</table>

Power supply

⚠️ WARNING: Make sure to connect the power cable only after all of the steps of the installation procedure have been completed.

<table>
<thead>
<tr>
<th>Voltage:</th>
<th>200 to 240 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 to 120 VAC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency:</th>
<th>50/60 Hz ± 1 Hz</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Current:</th>
<th>&lt; 10 A (110 V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 5 A (220 V)</td>
</tr>
</tbody>
</table>
**Ambient conditions**

The environment must meet the following conditions:

**Operating environment**

- Temperature: 50°F to 95°F (10°C to 35°C)
- **Recommended temperature for assured printing accuracy:** 61°F to 77°F (16°C to 25°C)
- Humidity: 35% - 80%, non-condensing
- **Recommended humidity for assured printing accuracy:** 50% to 60%

**Storage environment**

- Temperature: 14°F to 140°F (-10°C to 60°C)
- Humidity: 20% - 90% non-condensing

**Variation rate**

- Temperature: 4°F (2°C) per hour
- Humidity: 5% per hour

**Important cautions**

- Do not connect the printer to a power supply used by other devices that could interfere with your printer.
- Do not use thinner, benzene or similar agents on the printer.
- Only use original Gerber ink cassettes. Use of different ink cassettes might cause damage to your printer. When using non-Gerber ink cassettes, the ink supply system, the heads and the cleaning system will be considered out of warranty.
- Keep ink cassettes out of the reach of children.
- The Gerber Jetster ink can freeze if you store your ink below -4°F (-18°C). Store your ink cassettes in a cool place above the freezing point. If the ink freezes, leave your cassettes at room temperature for at least three hours before using them.
- Protect your printer from moisture, dust, draughts and direct sunlight.
- It is best to keep your machine away from open windows and air-conditioners.
- Make sure that there is an adequate space around the printer so that ventilation is not obstructed.
- Avoid using your Gerber Jetster printer near heating systems, such as stoves or heaters.
- Avoid using your printer under strong lighting, such as halogen lamps or light bulbs.
- When selecting a place for your printer, leave at least 3 feet (1 m) in front and at the sides, and 3 feet (1 m) at the rear.
Unpacking your Gerber Jetster printer

The printer body and Roll Take-up system are packed in two separate boxes. **Unpack the printer body first.**

⚠️ CAUTION: Four people are required to lift the machine out of the box. Protect the printer from shocks. Do not dismantle the unit.

**To unpack the printer**

1. Remove the top cover cardboard and big sleeve.
2. Unpack the leg set, accessories box, extra media scroller, and beams.
3. Open the printer body box.
4. Remove all plastic and cardboard pieces securing the printer body.
5. Take out the media scroller
6. Determine if all of the parts described in the parts list are included in the box. Consult your dealer if anything seems to be missing.

**What’s in the box?**

**Box contents**

- Gerber Jetster printer unit
- Printer stand
- 2 media scrollers including plastic flanges in 2 sizes: 2” and 3”
- Scroller slip ring
- 1 Sheet-off knife, pre-installed in head

**Accessories kit contents**

- Power cable
- Gerber Jetster Owner’s Guide
- Extra Box with Roll Take-Up System
- Set of Eco-solvent ink cassettes (6 cassettes)
- Set of Eco-solvent Transition Liquid cassettes (6 cassettes)

Note: The Jetster requires an IEEE 1284 compliant cable (maximum length of 15 feet (157.2 cm)) that is not included in the shipment. You must supply the cable, which is readily available at most computer stores.
Getting to know the printer

- Front Cover
- Y-rail Cover
- Operating Panel
- Right Cover
- Left Cover
- Waste Bottle On 62" Model
- Front Paper Guide
- Heater Panel
- Media Hold Lever
- Waste Bottle
- Cartridge Cover
- 6 Ink Slots
- Control Box
- Take-up System
- Waste Bottle on 62" Model
- Rear Paper Guide
- Waste Bottle
- Scroller
- Scroller Slip Ring
- Scroller Adjusting Screw
<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Covers</td>
<td>The protective covers protect the printing area. Opening a cover immediately pauses printing which resumes when the cover is closed.</td>
</tr>
<tr>
<td>Operation Panel</td>
<td>Touch keyboard with integrated LCD-Display.</td>
</tr>
<tr>
<td>Heater Panel</td>
<td>Controls the pre- and post-heaters with integrated LCD-Display.</td>
</tr>
<tr>
<td>Pressure Lever</td>
<td>Lowers/Releases pressure rolls to load/unload media.</td>
</tr>
<tr>
<td>Take-up System</td>
<td>Winds up printed media when using roll media.</td>
</tr>
<tr>
<td>Control box</td>
<td>Box with the main electrical components.</td>
</tr>
<tr>
<td>Front Paper Guide</td>
<td>A firm, flat base which supports the media during printing and houses the vacuum system and post-heaters.</td>
</tr>
<tr>
<td>Rear Paper Guide</td>
<td>Supports the media during printing &amp; houses the pre-heaters.</td>
</tr>
<tr>
<td>Scroller</td>
<td>Feeds through the roll media core to hold the media.</td>
</tr>
<tr>
<td>Scroller Adjusting Screw</td>
<td>Adjusts the position of the roll media.</td>
</tr>
<tr>
<td>Scroller Slip Ring</td>
<td>Prevents unwinding of roll media.</td>
</tr>
<tr>
<td>Ink Cassette Slots</td>
<td>Holds/detects the ink or transition liquid cassettes.</td>
</tr>
<tr>
<td>Waste Bottle(s)</td>
<td>Collects ink resulting from purging and cleaning.</td>
</tr>
</tbody>
</table>

**CAUTION:** Do not use the printer as a shelf to hold equipment. Do not lean on Front Paper Guide and Cartridges. This may result in unrecoverable damage of your machine.
Assembling the printer

Two people are required to assemble the stand. Four people are required to lift the printer onto the assembled stand.

⚠️ CAUTION: Before lifting the printer body out of the box, make sure to remove all plastic wrapping materials so that you can handle the printer directly.

To assemble the printer stand

1. Unpack the stand and assemble it by screwing the left and right stand legs to the cross beam (upper bar) (1) and to the cross bar (lower bar) (2). Lay the stand legs down to make assembly easier. Use the 4 long hexagon bolts and the large hex wrench (provided) to secure the upper cross beam (1), and 2 long hexagon bolts to secure the lower cross bar (2). Make sure the caster wheels are on the front. Secure the bolts permanently.

2. Put the two plastic side covers over the bolts connecting the upper bar (1).

3. Mount the left end plate (plate without motor box) to the left leg of the stand. Hook the left end plate between the leg assembly. Turn the left end plate diagonally, so that you can put it in-between the left leg and then turn it right to fix it into place by means of the hooks.
4  Fasten the left end plate temporarily with 2 bolts and washers (use a 3 mm hex key) onto the bracket.

5  Hold firmly to the top of the leg assembly and push the endplate as high possible on the leg assembly, so you can easily screw the printer body onto the stand.

6  Hook the right end plate between the leg assembly. Follow the same procedure as for the left end plate. Hook the right end plate between the leg assembly. Turn the right end plate diagonally; so that you can put it in between the right leg and then turn it right to fix it into place with the hooks.
7 Fasten the right end plate temporarily with 2 bolts and washers (use a 3 mm hex key) onto the bracket.

8 Hold firmly to the top of the leg assembly and push the endplate as high possible on the leg assembly, so you can easily screw the printer body onto the stand.
To assemble the printer on the stand

CAUTION: At least four people are needed to lift and assemble the printer on the stand. When taking the main unit out of the carton, remove the plastic wrapping first and handle the printer directly. There is a risk of your hands slipping if the main unit is handled through the plastic wrapping.

1. Remove the cardboard sleeve from the box.

2. The main unit must be lifted by four people at the places marked (1) to (8) in the following illustration. If it is lifted at other places (left and right side covers, ink cartridge cover, etc.) you may drop the printer and cause injury or damage.

3. Fix the printer body onto the leg assembly using the two wing screws. As described in the stand assembly procedure, the end plates should be mounted as high as possible on the stand legs. If you need to adjust the end plates, loosen the bolts slightly and push them upward. Temporarily tighten the endplate screws with the 3 mm hex key. Then fix both wing screws tightly. Once the wing screws are fastened, tightly secure the bolts on the endplates with the hex key.
To attach the sensor assembly

1 The sensor assembly should be mounted on the right side of the stand. Take the sensor bracket and put it through the outer slot hole of the sensor assembly.

2 Hook the sensor bracket over the leg of the stand. Latch the sensor bracket before the assembly is bolted to the motor box.

3 Fix the sensor assembly smoothly to the motor box, using 2 bolt and washers (use upper holes) (detail A).

4 Secure the sensor bracket to the leg with a bolt and washer (detail B).
5 Plug the sensor serial connector into the bottom of the motor box.

To prepare the printer

1 Remove the blue tape and open the cover of the printer.

2 Loosen the wing screw that is fixed to the printing table (4). See illustration.

3 Remove the brass plate (5), which secures the print head during transportation. Keep the brass plate and wing screw, to secure the print head in the event you need to transport the printer.

CAUTION: Take care not to drop the wing screw inside the printer body. If it falls in, do not boot up your printer until the wing screw has been safely removed.

4 Remove the tape that secures the sheet-off mechanism during transportation (See (6) on figure below).

5 Remove the cable block(s) between rail and cover (7).

6 Remove the lever block (8).

7 Install the Waste Bottle using 2 screws. See the installation instructions packed in the next section “To install the waste bottle.”

8 After setting up the printer, wheel it to the desired location and lock the caster wheels.
To install the waste bottle

1 Standing behind the printer, use two screws to attach the waste bottle bracket onto the scroller system on the left side of the printer near the cassette bay.

2 Remove the adhesive tape holding the waste tubes to the unit.

3 Insert the large waste tube through the large hole in the middle of the top of the bracket. The tube should extend below the bracket approximately one inch.

4 Attach the two smaller tubes as described below:
   ♦ Slide the upper plastic ring upwards
   ♦ Remove the lowest plastic ring.
   ♦ Insert the waste tube into one of the two remaining holes.
   ♦ Fix the tube by sliding the lower plastic ring back onto the tube and pushing it upward until it is against the bottom of the bracket.
   ♦ If necessary, lower the upper plastic ring until it is against the bracket.
   ♦ Check that the tube is attached securely. It should extend beyond the bottom of the bracket approximately one inch.
   ♦ Repeat the steps for the remaining small tube.

5 Lower the bracket so that the tubes empty into the waste bottle.

Connecting parallel interface

⚠️ CAUTION: When connecting the printer to your computer, make sure that both your printer and your computer are switched OFF.

The Jetster requires an IEEE 1284 compliant cable (maximum length of 15 feet (157.2 cm)) that is not included in the shipment. You must supply the cable, which is readily available at most computer stores. Connect to the printer with an interface cable for the connection system you will use. Connect to the host computer with another interface cable.

Note: For optimum output, please use a cable length recommended by Gerber.

The use of an unnecessarily long cable may affect your data transmission. To maximize output, use the shortest possible interface cable.
Tips on using high-speed ECP parallel communication

The parallel port setting on the printer is set to BI CENTRO as the default, (see Menu Mode Operation – Menu Structure Overview). Your printer is ready for high-speed bi-directional communication.

In order to be able to use this high-speed mode without problems please note:

♦ Set the computer parallel port Bios to ECP
♦ Only use a shielded and balanced parallel cable, which is IEEE 1284 compliant.
♦ If your RIP software is protected with a security block (dongle), which needs to be placed on the parallel port, it is best to have available 2 parallel ports.
  ♦ One port to connect a security block, scanner, external drive, or CD-ROM.
  ♦ One port (ECP) directly connected to the printer.

If you do not follow these recommendations, you may encounter printer problems such as unexplainable error messages, sheet-off during printing, unexpected media feed during printing, etc. If this occurs, switch your system to unidirectional parallel communication.

♦ Set print parallel port to Menu > Mode > CENTRO (See following procedure.)
♦ Set computer parallel port Bios to SPP or EPP

When in CENTRO mode the data transfer will slow down but the problems should disappear. Before switching back to the high-speed BI CENTRO (bi-directional parallel) mode, have your computer system examined closely by a trained computer technician.

To set the printer Mode to CENTRO

1. At the Plot OK prompt, press the [Menu] key to enter the Menu system. The display is:

   ![Menu Command >]

2. The key usage changes to the labels in the yellow section of the control panel. Press the [Menu Up] or [Menu Down] key to display the Centro menu by.

   ![Menu Centro >]

3. Press the [ENTER] key to enter the Mode menu and go to the next level. The display is:

   Mode: Bi Centro

4. Press the [Menu Up] key or [Menu Down] key to display Mode: Centro.

   Mode: Centro

5. Press the [Back] key or do not press any other key for three minutes. The on-line status display is restored.

   Plot OK
Connecting the power cable/disconnect device

In this procedure you will connect the power cable and the disconnect device. The disconnect device is the plug on the power supply cord.

**To connect the power cable**

1. Make sure the printer’s power switch is turned OFF.
2. Make sure the power of the Heating System and the Roll Take-Up System are turned OFF.
3. Plug the printer-end of the power cable into the connector at the back of the printer.
4. Connect the cable of the Roll-Take-Up System with the Printer body.
5. Plug the other end of the power cable into an electrical outlet of the correct voltage and with a proper grounding.

**Power supply**

Voltage: 200 to 240 VAC or 100 to 120 VAC
Frequency: 50/60 Hz ± 1 Hz
Current: < 10 A (110 V)  
< 5 A (220 V)

Note: When you turn off the power, please note that your printer needs a few seconds to perform its shut down sequence. After powering OFF, wait for at least five seconds before switching the printer on again.
Installing the ink cassettes

The Gerber Jetster uses Eco-solvent inks. There is no need for special ventilation or environmental equipment. Prints made with Eco-solvent inks are UV- and water-resistant for up to three years outdoors (*). Lamination is required for heavy-duty applications.

Eco-solvent ink is contained in smart cassettes with an indicator that specifies the ink type. When the ink cassettes are installed in the cassette slots, the Gerber Jetster immediately recognizes the type of ink in the cassette and determines if it is installed in the proper slot. If the ink type and slot are incompatible, a message displays on the control panel. In addition, CMYK cassettes are keyed so that you can not insert them in the wrong slot.

Each cassette contains a sensor that monitors the ink supply. As the ink is used, the amount is monitored. When the cassette reaches a low ink level the Gerber Jetster displays a message to install a new ink cassette.

(*) Accelerated weather tests predict up to 3 years outdoor durability. Outdoor durability is location and application dependent.

Precautions when using Eco-solvent ink cassettes

Please read below recommendations carefully before you start using your Gerber Jetster Eco-solvent ink cassettes.

**WARNING:** Avoid any direct contact with the inks. If you come in close contact with the inks, please pay attention to the following first-aid measures:

- **Eye contact:** Rinse out the ink with a large quantity of water and consult your doctor.
- **Skin contact:** Wash off the ink with soap and water.
- **Ingestion:** Rinse your mouth immediately, drink a large quantity of water or milk and consult your doctor.
- **Keep the ink cassettes out of the reach of children.**

The ink cassettes are flammable (ignition point 145°F/63°C). Avoid contact with heating sources and any sort of ignition source.
CAUTION: Before using Eco-solvent ink, perform a head wash. Tubes, heads, and filters must be clean. Use the special Eco-solvent Transition Liquid.

When using your Gerber Jetster printer for the first time, install 6 cassettes in the cassette slots located at the back of the printer. The cassette slots are clearly marked with the ink name.

Do not use any ink cassettes other than exclusive Gerber Jetster ink cassettes. If you use non-Gerber ink cassettes and damage occurs, the ink supply system, the heads, and the cleaning system will be considered out of warranty. Also make sure that you install your cassettes in the correct slots. Use of incorrectly coded cassettes may cause printer damage.

- Unpack the ink cassettes just before installing them in the slot. If you leave your cassettes open for a long time before installing them in the printer, they may cause blurred prints.
- After installing the ink cassettes, do not take them out of the slots until you replace them with new ink cassettes.
- The ink cassettes have to be used within two years from the date printed on the cassette. Ink cassettes, which are installed in the printer, should be replaced every six months.
- Moving ink cassettes from a cold place to a warm place may cause condensation. Always leave the cassettes at room temperature for at least three hours before using them.
- If the head is stopped during a print cycle, it may leak. To avoid this, never turn the power off nor unplug the power cable during printing or while the print head is moving.
- In case of a power failure during printing, switch off the printer and manually move the head to the right until you feel it drop into the capping position.
- If a power failure occurs when you are absent, the printer will move the head to the capping position when power is restored and a cleaning cycle will take place automatically.
Performing a head wash

Before installing Eco-solvent inks, you must perform a head wash. Use the special Eco-solvent Transition Liquid cassettes.

Note: This procedure assumes that you are performing the head wash for the first time. If you later need to perform a head wash (in preparation for shipping), you can initiate the head wash through Menu > Utility > Wash.

To perform a head wash

1. The power switch is located at the right side of the printer, below the printer body. Turn the switch ON and put the hold lever in the DOWN position.

2. The printer starts up its initialization routine and the printer display is:

   [6 5 Y M C K] No charge

   ♦ Y: Yellow
   ♦ M: Magenta
   ♦ C: Cyan
   ♦ K: Black
   ♦ (5): Light Cyan
   ♦ (6): Light Magenta

   Note: If the cover is open or the hold lever is up, the initialization routine will not start.

3. Slide the 6 Eco-solvent Transition Liquid cleaning cassettes into their cartridge positions. (The Gerber Jetster reads the label and automatically detects the cleaning cassettes.) The display is:

   Change Tank NO

4. Check if the Waste Bottle is empty. Empty if necessary. Press [VALUE +] or [VALUE -] key to change to YES and press [ENTER] to confirm. The display is:

   Confirm Change NO
Note: When replacing the waste bottle, press down slightly to ensure contact with the replacement sensor. When the waste bottle makes contact with the sensor it triggers the confirm message on the display. Remove and replace the waste bottle if the confirm message does not appear.

5 Press [VALUE +] or [VALUE -] key to change to **YES** and press [ENTER] to confirm. The display is:

```
Wash Black & Color?
```

6 Press the [VALUE +] or [VALUE -] key to select **YES** and press [ENTER]. The display is:

```
Change Waste Ink?
```

7 Check if the Waste Bottle is empty. Empty if necessary. The display is:

```
Confirm Change NO
```

8 Press [VALUE +] or [VALUE -] key to change to **YES** and press [ENTER] to confirm. The head wash starts automatically and lasts approximately 20 minutes. The display is:

```
Head Wash
```

9 Remove the cleaning cassettes after ending the cleaning cycle. The display is:

```
Change Waste Ink?
```

10 Empty waste bottle and confirm change as described in steps 4 and 5 above.

**Installing the ink cassettes**

Below is an illustration of the label on the cassette bay.

```
<table>
<thead>
<tr>
<th>6</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEN Light</td>
<td>ORANGE</td>
<td>YELLOW</td>
<td>MAGENTA</td>
<td>CYAN</td>
<td>BLACK</td>
</tr>
</tbody>
</table>
```

Ink cassette slots 1 to 4 are designated for Black, Cyan, Magenta, and Yellow. They are keyed so that the ink cassettes cannot be incorrectly positioned. Slots 5 and 6 however are NOT keyed. Please make sure to install the ink cassettes into the correct slot.

All RIP software drivers developed according to Gerber guidelines require:

- Slot 5 to contain: Light Cyan
- Slot 6 (leftmost slot) to contain: Light Magenta
To install the ink cassettes

1 Insert the six Eco-solvent ink cassettes in the order shown in the illustration. After having installed the ink cassettes, the printer will display the following message:

```
User no media
```

**Note:** If the ink cassettes are installed and the display is *No Cartridge*, this means that the ink cassettes are not inserted correctly. Pull out the cassette(s) indicated and insert it (them) correctly.

**Note:** If the display shows *Not Original Ink* please contact your ink supplier and make sure to get original Gerber Jetster ink cassettes.

2 After this message, automatic ink replenishment begins. The display is:

```
Ink Refilling
```

The *Ink Refilling* message means that ink is filling the ink supply system (tubing and head).

**CAUTION:** During ink replenishment, never cut off the electricity. This may cause damage to your printer. In case of a power failure during ink replenishment, proceed as follows:

- Switch OFF the unit (Power Switch) and restore the power to the circuit.
- Switch ON the unit and check that there are no error messages in the display.
- Perform a cleaning cycle and perform a nozzle check test plot [SHIFT] + [MEDIA].
- Inspect the print and if necessary repeat the cleaning cycle until test plot quality is acceptable.

3 When the ink refilling is complete, the display is:

```
Paper end
```

The printer is now ready to print.

**Note:** If the initial ink replenishment fails, perform head cleaning several times. If the ink replenish still fails after several head cleaning cycles, contact Gerber Field Service.
Adjusting the print head height

Depending on the media type and media thickness used, it is possible to adjust the printer’s printhead height from 1.5 mm to 2.0 mm (± 0.15 mm).

The head height can be adjusted using the lever on the left side of the head (please refer to the pictures above).

When the lever is put in horizontal position (turn counter clockwise) the head is in its highest position: 2.0 mm. When the lever is turned clockwise, the head is in its lowest position: 1.5 mm. The lever can only be put in one of the two positions; there are no intermediate positions.

Use the following chart to determine print head position.

<table>
<thead>
<tr>
<th>LOW – 1.5 mm</th>
<th>HIGH – 2.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo quality output on photo paper type media including vinyl</td>
<td>Thick media or media with fibres which may touch the printhead during printing</td>
</tr>
</tbody>
</table>

Types of printer media

The Gerber Jetster uses Gerber-certified coated media specially designed for use with Eco-solvent inks. The Gerber Jetster accepts sheet media or roll media in a variety of materials such as vinyl and banner media. The minimum sheet size is 8.5” x 11” (216 mm x 279 mm) and the maximum media width is:

- 46” (118 cm) for the Gerber Jetster 46 printer (prints up to 45.67”/116 cm wide)
- 62” (157 cm) for the Gerber Jetster 62 printer (prints up to 61.02”/155 cm wide)

Note: Gerber recommends leaving at least ¼”(6 mm) border of unprinted media when using sheet media.
CHAPTER 3  
Preparing for a Job

General recommendations for printer media

Please follow these general guidelines for storage and use of printer media.

♦ Do not use media that is creased, blemished, torn, or curled.

♦ Problems caused by using media other than that specified by Gerber will not be covered by warranty. Always use cut media or roll media specified by Gerber.

♦ Oil from your skin may interfere with the way the ink sits on the media so you should wash your hands thoroughly before handling the media. Alternately, you may wear rubber gloves to protect the media.

♦ Do not leave media loaded in the printer for a long period. This may cause media to curl, lift up, or jam. (This should be avoided especially in winter, during dry periods, and for very important printed outputs.)

♦ Media has a printing surface and non-printing surface (back side of the media). Printing on the non-printing surface may cause blurring or blemishes.

Temperature and humidity

Temperature and humidity suitable for printing are shown below. We recommend setting up in an environment that can be air-conditioned in order to maintain constant temperature & humidity.

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°F to 95°F (61°F to 77°F for assured printing accuracy)</td>
<td>35% to 80% (50% to 60% for assured printing accuracy) with no condensation.</td>
</tr>
<tr>
<td>10°C to 35°C (16°C to 25°C for assured printing accuracy)</td>
<td>Variation rate: Not more than 5% per hour.</td>
</tr>
<tr>
<td>Variation rate: Not more than 4°F (2°C) per hour.</td>
<td></td>
</tr>
</tbody>
</table>

The absolute dimensions of printing media will change by variations in temperature and humidity. Therefore, printing media, especially high quality media that is readily susceptible to the effects of environment changes should be acclimatized to the environment for about 24 hours before printing. This acclimatization is called seasoning. Inadequate seasoning may cause the printing media to slip, crease or jam. It also affects the printing quality.

With media recommended by Gerber, you should be aware that a 1% variation in humidity might cause the media to expand or contract by the proportions shown below.

<table>
<thead>
<tr>
<th>Type of media</th>
<th>Rate of dimension change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good quality media</td>
<td>0.018%</td>
</tr>
<tr>
<td>Double-matte polyester film</td>
<td>0.0012%</td>
</tr>
</tbody>
</table>
Loading roll media

Following this procedure to load Roll media without the Take-up system. When Roll media is selected, the Gerber Jetster will search for the front edge of the roll before printing.

To load roll media

1. Open the cover, check that the head is in a position where it will not touch the media keeper blades on the pressure rollers. Put the media hold lever up. The display is:

Lever up

2. Press the [Media] key to select Roll media. By pressing the key repeatedly you will see the LED alternate between the three choices: Roll, Sheet, or Take-up (both LEDs lit).

Note: If you select cut-sheet when a roll is loaded, the printer will pull off the maximum cut-sheet length, (about 54”/137 cm) searching the back edge of the sheet. When the printer fails to find the back edge of the sheet it reports a media search error.

3. Remove the removable flange from the scroller by pulling it off.

CAUTION: Do not drop the media roll over the scroller as this might damage the scroller end caps. Damaged end caps can cause media tracking problems.

4. Position the roll media as shown in the diagram and insert the scroller until the media tube fits firmly over the fixed flange. Replace the removable flange on the scroller and fit it firmly into the media tube as shown in the following illustrations.
Note: All Gerber recommended roll media is rolled with the printable side facing out, so that you can load the roll media easily.

5 Install the scroller slip ring onto the scroller. Slide the scroller slip ring on the left side of the scroller (side with fixed flange). See the following illustration.

6 Install the scroller as follows:
- Stand at the back side of the printer, holding the scroller with the fixed flange side in your left hand.
- Slide the scroller (left side) into the scroller receiver, as shown in the illustration.
- Push the scroller (Right side - movable flange side) down into the right scroller receiver. It should fit snugly into place.

7 Lock the scroller by sliding the scroller slip ring onto the scroller rollers. The scroller slip ring will prevent unwinding of the roll media from the scroller when roll media is loaded in the machine.

CAUTION: When you load roll media from the back be careful not to hurt yourself by touching the pressure roll system.

8 Pull some media off the roll, feed it into the media feed gap between the pressure rollers and the drive roller.
9 Pull out the media at the front side and make sure at least 1.5 feet (0.5 m) hangs out in front of the printer.

10 Turn the scroller by hand and wind up several turns of roll media until just a few inches sticks out past the printer table. As you wind up the media, check the relative positions of the drive roller on the right and the right hand edge of the roll media. When the roll media is pulled tight, the media at the front and back of the printer is straight and the right hand side edge of the media is on the guideline. If the media is not straight reload the roll media as described previously.

11 Use the guideline holes at the back of the printer to align the media. Fine tune the position of the media by turning the scroller receiver screw located on the outside of the left scroller receiver. When the media edge bisects the guideline holes, it is aligned properly.

If the guideline (holes) can be seen, the roll media must be moved to the right. Turn the scroller receiver screw counterclockwise to move the roll media to the right (when standing in front of the printer).

If the guideline (holes) is hidden, the roll media must be moved to the left. Turn the scroller receiver screw clockwise to move the roll media to the left (when standing in front of the printer).
CHAPTER 3
Preparing for a Job

12 Once the media is loaded and aligned do the following:

♦ Check if the roll media has been installed correctly.
♦ Lower the media hold lever and close the cover.
♦ The head moves automatically and detects the media size.
♦ The display will show the following message during loading:

![ConfirmPaperKind]

13 After performing its media loading sequence (± 30 seconds) the printer displays the following message:

![Plot OK]

Note: If the roll media has not been installed correctly messages such as, Undefined paper, media error, or media jam error are shown on the display. If this is the case, reload the media following the instructions above.

14 During the media detection sequence; check if the media runs straight. After media detection, check the position of the right side of the roll media. If the position is almost on the same line as it was before closing the cover, media loading was performed successfully. If after the media detection sequence, the roll media position is not at the same position as it was before closing the cover, repeat the instructions from steps 8 and 12 for installing the media.

Note: The guideline (holes) is a guide.

There is a possibility of a jam if the pressure roller is not holding the left edge of the media and the pressure roller is near the right edge. Either hold the left edge of the media completely with the pressure roller or slide it so that the pressure roller is about 5 mm away from the right edge of the media and the right edge of the media within 5 mm to the left or right of the guideline (holes).
Using the Roll Take-Up System

The Roll Take-up System winds the printed media onto a receiver roll so that it does not touch the floor. The Roll Take-up System is extremely helpful for large prints. When Take-up is selected, the Gerber Jetster does not search for the front edge of the media before printing.

To use the Roll Take-up System

1. Open the cover and put the hold lever in the UP position by tilting it upwards. The display is:

   ![Lever up](image)

2. Press the [MEDIA] key to select the media type. By pressing the [MEDIA] key repeatedly you will see the LED alternate between the three choices: Roll, Sheet, or Take-up (both LEDs ON). Select the Roll Take-up System.

3. Take an empty cardboard core from a roll of media. Slide the empty cardboard roll over the scroller of the Roll Take-up System.

   Note: Notice that one flange is fixed. A warning sticker is attached near the flange. Do not remove this flange.

4. Install the scroller with the empty receiver roll as follows:
   - Stand at the front side of the printer, holding the scroller with the fixed flange side in your right hand.
   - Slide the scroller (left side) into the scroller receiver.
   - Push the scroller (Right side - fixed flange side) down into the right scroller receiver. It should fit snugly into place.

5. In the Function menu of your printer, set media cut to OFF. See procedure in “Replacing the cutter blade” on page 41.

   Note: The sheet-off function is designed to cut thin material only. Gerber does not recommend using sheet-off on thick media, banner material, or adhesive backed vinyl.
6 Feed the media forward by pressing the [SHIFT] + [ADVANCE] keys simultaneously until the media reaches the cardboard core on the take-up system.

7 Fix the media on the empty cardboard core with self-adhesive tape strips in the middle of the media. Then tape the left and right side of the media to the core.

8 Feed the media slightly forward (using [SHIFT] + [ADVANCE]) and wind it up on the Roll Take-up System. Now you are ready to start printing. Once the printer has printed approximately the amount shown in the following figure, the sensors will be activated and the Take-up System will start winding up the media.

9 Once your print is finished and dry you can wind up your print by pressing the manual feed button. If you want to wind up or wind off your print you can do this via the forward [SHIFT+MENU] or reverse [SHIFT+RESOLUTION].

10 To sheet-off the print push the [CANCEL] button for 2 seconds. Use the [Value +] or [Value -] keys to select Yes. Press [Enter] to confirm the sheet-off request.

Removing the roll media from the printer
Use the following procedure to remove the roll media from the printer.

To remove the roll media from the printer

1 After printing, open the cover, tilt the media hold lever UP and wind up the roll media.

2 Stand behind the printer. Unlock the scroller receiver by pressing the lock lever down. You can now lift the right side of the scroller and remove it from the printer.
3 Remove the roll media by gently pushing the roll media off the scroller via the moveable flange side.

⚠️ CAUTION: Be careful not to drop the scroller end-caps on the floor as this may damage them and cause media tracking or loading problems.

### Using the Pre- and Post-heaters

Use the Pre- and Post-heaters for uncoated or slow-drying media. Using the heaters increases the range of media compatibility. Initially set the heaters to the maximum temperature. If the media starts to curl, lower the temperature. See “Using the Heater System control panel” on page 49 for more information on changing the heater temperature.

Note: Gerber recommends using coated media for best results.

### Adjusting the print origin

The Origin-Reset function allows you to move the horizontal origin, effectively changing the offset from the right border.

The value can be set ranging from 0 mm to the media width minus the left and right margins (20 mm), in 1 mm increments. The use of this function allows you to manually nest images, working in conjunction with the [MEDIA] + [RESOLUTION] (Reverse) keys on the control panel of the printer.

In a typical application, an image narrower than the media width would be printed flush with the right margin. After printing, the media can be fed back into the printer using the [MEDIA] + [RESOLUTION] (Reverse) keys. Then, the horizontal origin can be moved using the Origin-Reset function in the Menu Mode under the Functions submenu. Using this method, the next image would automatically be printed to the left of the first image, rather than behind it, thus avoiding excess media waste.

Note: Once set, the Origin-Reset function will remain set until it is reset to zero or until changed by the user.
To set the print origin

1. Press the [MENU] key to enter the Menu Mode.

2. When in Menu Mode, the key usage changes according to the labels in the yellow section on the control panel. Bring up the Command menu by pressing the [Menu Up] key or [Menu Down] key.

3. Press the [ENTER] key to confirm the Command menu and go to the next level. The display is:

4. Press the [Menu Up] key or [Menu Down] key to display OriginReset. Press the [Value +] or [Value -] key to select Yes. Press [Enter] to confirm.

5. Press the [Value +] or [Value -] key to select New >. Press [Enter] to confirm.

6. Use the [Value +] or [Value -] keys to set a new origin within the range of 0 to media width minus 20 mm. Press [ENTER] key to confirm.

7. Press [BACK] key to accept the value or do not press any other keys for 3 minutes.

8. Press the [BACK] key again to restore the permanent ONLINE-status display.
Eliminating Micro-banding

The nominal paper movement accuracy is ± 0.1 percent, or ± 1 mm per meter of moving distance. Different media types may show different behavior and when the paper movement error exceeds the target specification, banding can occur. This banding can take the form of thin dark horizontal bands, or thin white horizontal bands (gaps in the printing).

If the above happens, these bands will occur in both bi-directional and unidirectional print modes. Thin dark bands indicate that the printer firmware is under compensating and that print swaths are overlapping on the edges. Alternatively, thin white lines indicate that the printer firmware is over-compensating, and that print swaths are not perfectly butted together.

The media feed micro step adjustment option gives the user the ability to adjust the step compensation algorithm. To eliminate micro-banding, you can enter a positive or negative percentage of compensation, (± 3.00 percent), in 0.01 percent increments.

A positive value will extend the step and compensate for overlapping print swaths (dark bands); a negative value will shorten the step and compensate for non-butting print swaths (white gaps). Some trial and error testing is typically required to find the optimum value for any given media type. Preferably send to the plotter a small test image such as a neutral gray square (between 50% and 70% Grey) and check the micro-banding as described above. Make a note of your correction value for a certain media type, as the required value should be the same whenever you use this media type.

To adjust the printer to correct Micro-banding

Note: Before using this function, always perform a nozzle-check [SHIFT+ MEDIA] to see if all nozzles are firing correctly. Nozzles that are not firing or misfiring might mislead you when determining if micro-banding is occurring.

1 At the Plot OK prompt, to press the [Menu] key enter the Menu Mode. The display is:

```
* Menu * Command >
```

2 The key usage changes to the labels in the yellow section of the control panel. Press the [Menu Up] or [Menu Down] key to display the Function menu by.

```
* Menu * Function >
```

3 Press the [ENTER] key to enter the Function menu and go to the next level. The display is:

```
InkDryTime: 30s
```
4 Press the [Menu Up] key or [Menu Down] key to display **StepAdjst**.

5 If the display is **Clear** instead of **Change** press the [VALUE +] or [VALUE -] key to select **Change** press [ENTER]. To make a change that is a negative value, press [ENTER] first and then press [VALUE +] or [VALUE -] to select **Change**. The display is:

6 Using the [Menu Up] or [Menu Down] keys, select which digit you want to change. A blinking cursor is under the digit that is active. Enter the new value using the [VALUE +] or [VALUE -] keys. The value can be changed in 0.01% increments. Press [ENTER] to confirm the new value.

7 If no other items are to be changed, press the [Back] key. The display is:

8 Press [Back] key or do not press any other keys for 3 minutes. The display is:

9 The permanent ONLINE-status display is restored. The display is:
Chapter 4:
Printer Maintenance

Performing daily maintenance

At the beginning of every day (or before printing an important print), print a Check Nozzle pattern to determine the need for head cleaning. Depending on the results of the Check Nozzle pattern, choose a cleaning cycle and then reprint the Check Nozzle pattern again.

To print the Check Nozzle pattern

1. On the Jetster keypad, press and hold the [SHIFT] + [MEDIA] keys for two seconds to print a Check Nozzle pattern. After printing, examine the pattern.
   - If there are small voids in some of the blocks, perform a Short cleaning cycle as described in the following procedure.
   - If one or more colors are completely missing, the priming of inks did not occur correctly. Do a Powerful (extended) Cleaning as described in the following procedure.

To perform a Short cleaning cycle

Press the green [CLEANING] key for two seconds. The Short cleaning cycle starts immediately and lasts approximately 90 seconds.

After performing a Short cleaning cycle, reprint the Check Nozzle pattern and examine the results. Repeat the Short cleaning cycle up to three times. If the Check Nozzle pattern still has voids, perform a Powerful cleaning cycle.

To perform a Powerful (extended) Cleaning

1. Press [Menu] to enter the Menu mode. The display is:

   *Menu* Command >.

2. Press [Menu Down] until you see “*Menu* Utility.” Press [ENTER] to confirm. The display is:

   ErrorDisplay


   Clean: Powerful
4 Press [ENTER]. The Powerful cleaning cycle begins. The Powerful cleaning cycle last approximately 240 seconds.

5 Press [Back] 2 times to go back to ONLINE Level. The display is “Plot OK.”

6 Press and hold the [SHIFT] + [MEDIA] keys for two seconds to reprint the Check Nozzle pattern. If the print is still has clogged nozzles after three Powerful cleaning cycles, perform an Ink Fill.

To perform an Ink Fill

1 Press [Menu] to enter the Menu mode. The display is:

2 Press [Menu Down] until you see “*Menu* Utility.” Press [ENTER] to confirm. The display is:

   ErrorDisplay


   Fill: Yes

4 Press [ENTER]. The Ink Fill cycle begins. The Ink Fill cycle last approximately eight minutes (four minutes washing and four minutes filling).

5 Press [Back] 2 times to go back to ONLINE Level. The display is “Plot OK.”

6 Press [SHIFT] + [MEDIA] to reprint the Check Nozzle pattern. If the print is still unacceptable call Gerber Service.

Replacing the ink cassettes

When the Gerber Jetster printer indicates No Ink or No Cartridge insert or replace the ink cassette(s) as soon as possible.

When the display is Ink Low, prepare to have a new ink cassette available. The [Y] [M] [C] [K] [5], or [6] indicates the type of cassette.

- [Y] : Yellow
- [M] : Magenta
- [C] : Cyan
- [K]: Black.
- [5]: indicates: Light Cyan
- [6]: indicates: Light Magenta

CAUTION: Only use original Gerber Eco-solvent ink cassettes.

For each cassette, there is a correct slot and a correct insertion direction. Open the ink cassette just before inserting it into the slot. Use ink cassettes within two years from the date printed on the package. Replace your installed ink cassettes at least every 6 months even if they are not yet empty.
To replace the ink cassette

1 If the display is:

![No Ink]

Pull out the empty or in-operational ink cassette.

2 Unwrap a new ink cassette.

3 Insert a new ink cassette into the slot.

4 When insertion/replacement of ink cassettes has been performed correctly, the display will show the following message if media is loaded and the printer is ONLINE:

![Plot OK]

Cleaning the head cleaning wiper

When the head is cleaned, waste matter clinging to the cleaning wiper may cause the printing to become faint or blemished. If you experience these symptoms, you should clean the cleaning wiper.

To clean the head cleaning wiper

1 Switch off the power, lower the media hold lever and pull the head to the middle of the printer.

![CAUTION: Do not move the head with the media hold lever up. The head and media keeper blade may touch, causing damage and poor printing quality.]

2 Wipe the cleaning wiper backward and forwards several times with a lint-free cloth.

1. Head cap unit  2. Cleaning wiper
CAUTION: Wipe the cleaning wiper without your hand coming into direct contact with the head cap unit that is located near the cleaning wiper. Otherwise oil may get on the cleaning wiper and you will not be unable to clean the head properly.

Do not lift up the cleaning wiper when you are cleaning it or it will be unable to clean the head properly.

The cleaning wiper and the surrounding area will be soiled with waste liquid. Be careful not to dirty your hands and clothes.

3 Return the head to its capping position at the right hand end of the printer.

CAUTION: drying ink may damage The head. Always return the head to the right hand end of the printer (capping position).

**Replacing the head cleaning wiper**

Replace the head cleaning wiper after the first three months of use, and then at least every six months. You should also replace the wiper if the felt pad gets saturated with ink.

To replace the head cleaning wiper

1 Switch off the power, lower the media hold lever and pull the head to the middle of the printer.

CAUTION: Do not move the head with the media hold lever up. The head and media keeper blade may touch, causing damage and poor printing quality.

CAUTION: When removing and replacing the wiper, be careful not to damage the head contact surface by touching it with your hand or with tools.

2 Move the wiper back and with the wiper rack disconnected, pull the wiper up and remove it.

3 Replace the wiper (see the following illustration for proper orientation) and reconnect the wiper rack.
Replacing the cutting blade

Depending on the kind of roll media used, paper dust gathers in the cutter slot and on the cutter blade edge. This may cause low quality cut edges when sheeting off. In this case, replace or clean the cutting blade and clean the cutter slot.

The cutting blade is a consumable item, so if the blade loses sharpness, replace it. Gerber recommends replacing the cutting blade regularly. The durability of the cutting blade may differ depending on the kind or thickness of the media that is used. We recommend purchasing a spare cutting blade so that you always have a spare blade at hand.

Note: The cutting blade is designed to cut thin material only. Gerber does not recommend using the sheet-off function on thick media, banner material, or adhesive backed vinyl.

To replace the cutting blade

1 Switch off the power, lower the media hold lever and pull the head to the middle of the printer.

CAUTION: Do not move the head with the media hold lever up. The head and media keeper blade may touch, causing damage and poor printing quality.

2 Take out the cutting blade by pushing the cutter head down and rotating the cutter arm towards you. Either clean the cutting blade with a dry cloth or install a new one.

CAUTION: There is a spring fitted in the hole of cutter head. Be careful not to lose it while replacing the cutting blade.

3 Insert a new cutting blade in the hole of the cutter head. While pushing the cutting blade down, put the cutter arm back over the cutting blade. A cutting blade can only be inserted in one direction.
CAUTION: The edge of the cutting blade is very fragile, while replacing it, handle it with care.

4 Put the head manually back into its capping position, and turn the power switch ON.

Tip: If you do not have a new blade available to replace your dull or broken blade, you can temporarily switch off the automatic sheet-off function.

1. Press [Menu] to enter the Menu mode. The display is “*Menu* Command >.”
3. The display is “InkDryTime 30s”. Press [Menu Down] until you see “Media Cut: ON”
4. Press [Value +] or [Value -] to display “Media Cut: OFF”
5. Press [ENTER]. The display is “Copy: 1.”
6. Press [Back] 2 times to go back to ONLINE Level. The display is “Plot OK.”

### Replacing the spittoon pads

Replace the spittoon pads at least once a week or whenever they are saturated with ink. Gerber Jetster 62 has spittoon pads at the both ends of the printer. We recommend that you wear rubber gloves to protect your hands from ink. Tweezers make it easier to remove the spittoon pads.

Note: If you do not replace the spittoon pads and they become saturated, the ink may splash up in the head and cause poor print quality.

To replace the spittoon pads

1. Using tweezers remove the spittoon pad(s), located near the print head home position and at the left end of the printer (if you have a Gerber Jetster 62). Place the soiled pads in the plastic disposal bag.
2 Insert the new pad(s). Note the replacement pads may be thicker and only one may fit in the spittoon.

3 Seal the plastic disposal bag and place it in the trash.
Chapter 5: Understanding the Printer Control Panel and Heater Controls

The Gerber Jetster has two control panels: a printer control panel and a heater system control panel. Review the following sections for detailed information on using the control panels.

Using the printer control panel

Your printer is equipped with a direct access control panel that allows you to activate all frequently used functions from the keyboard.

<table>
<thead>
<tr>
<th>No.</th>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>DATA LED</td>
<td>The DATA LED monitors data status:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LED ON indicates that data is being received.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LED FLASHING indicates that data is being processed.</td>
</tr>
</tbody>
</table>
2. ERROR LED

The ERROR LED is ON after an error has occurred or to indicate a possible hazardous situation. The LED will go OFF if the error is corrected or after pressing the [CANCEL] key.

3. CANCEL Key

The [CANCEL] key is a special key, controlling both the CANCEL function as well as the Cut Media sheet-off function.

<table>
<thead>
<tr>
<th>Printer Condition</th>
<th>Result by pressing CANCEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle Status</td>
<td>Roll media is cut at the current position</td>
</tr>
<tr>
<td>Receiving Status</td>
<td>Process stops</td>
</tr>
<tr>
<td>Process Status</td>
<td>Buffer is cleared</td>
</tr>
<tr>
<td>Printing Status</td>
<td>Print is cancelled, buffer is cleared, printed section of media is cut-off.</td>
</tr>
</tbody>
</table>

To request a sheet-off, press [CANCEL] for 2 seconds and confirm with [ENTER].

4. CLEANING Key

Press [CLEANING] for 2 seconds to initiate the cleaning procedure.

Press [CLEANING] + [SHIFT] key to initiate the HEAD ALIGN procedure.

Press [CLEANING] (Menu Up) when in Menu Mode to go to the previous menu.

For advanced Cleaning Control, enter the Menu mode and select the *Menu* Utility option Clean.

5. QUALITY / SPEED Key

Press [QUALITY / SPEED] to change the output quality and speed. Each time the key is pressed the LED indicator shows the current status: High Quality (diamond icon), Normal (person icon) and High Speed (rabbit icon).

The set-up can only be changed in printer idle status.

Press [QUALITY / SPEED] + [SHIFT] key to output a Test Print.

When in Menu Mode, press [QUALITY / SPEED] to go to the next menu option or increase a parameter value.

The [QUALITY / SPEED] setting can also be affected by data coming from the RIP/driver software.
### 6. RESOLUTION Key

Press [RESOLUTION] to set the output resolution to 360 DPI, 720 DPI or 1440 DPI. The set-up can only be changed in the printer idle status.

When selecting RESOLUTION, both LEDs ON indicates that the printer is operating in one of the 3 available 1440 DPI modes (horizontal, vertical or diagonal).

The RESOLUTION setting can also be affected by data coming from the RIP/driver software.

Press [RESOLUTION] + [SHIFT] key to allow REVERSE manual roll feed.

When in Menu Mode press [RESOLUTION] to select the previous menu option or decrease a parameter value.

### 7. MEDIA Key

Press the [MEDIA] key to allow selection of Roll, Sheet or Take-up system media. When selecting media, both LEDs ON indicates that the Roll Take-up System is selected.

Press [MEDIA] + [SHIFT] key to generate a nozzle check print.

When in Menu Mode, press [MEDIA] to accept a new setting or to enter a lower menu level.

### 8. MENU Mode Operation

Press the [MENU] key to enter the Menu Mode, which is used to change printer settings and parameters. Menu Mode functions are labeled in the yellow area on the key pad.
9. **SHIFT Key**

Press [SHIFT] with other keys to activate Head Align, Manual roll feed (forward or reverse), Nozzle check print, Test print or Set-Up List.

When in Menu Mode, press [SHIFT] to back out of menu levels or switch back to ONLINE level from top level.

10. **MENU Key**

Press the [MENU] key to switch from ONLINE status to Menu Mode. Menu Mode is used to change printer settings and parameters. When in Menu Mode the key functions change to the labels in the yellow section of the keypad.

Press [MENU] + [SHIFT] key it allow ADVANCE (forward) manual roll feed.

11. **Liquid Crystal Display LCD**

The 16 character LCD displays messages, shows settings or values, and allows menu control.

12. **VACUUM Key**

Press the [VACUUM] key to select HIGH or LOW vacuum fan power. Use HIGH for most media. Select LOW when using very light media that weighs less than 70 g/m².

Press [VACUUM] + [SHIFT] key to print a Set-up List and the Adjust Parameters chart. The Set-up List contains the default settings for the printer commands and functions, and the printing mode (Centro or Bi-centro). The Adjust Parameters chart contains specific printer setting information.
Note: When the [DATA] light is ON (receiving) or blinking (processing), all the keys are disabled, except the [CLEANING] key. While you are in the Setup menu the keys are operational when receiving data. However, any changes to settings are valid for the next printing job.

Note: Panel set up from the printer is only possible when no printing data or processing data is sent to the printer.

Note: In Menu Mode, the [SHIFT] key functions are not available.

Using the Menu Mode

The Menu Mode is used to access settings, which cannot be controlled via the direct access keys. When the printer is in Menu Mode (by pressing the [MENU] key, the buttons enclosed in the yellow area are active.

As soon as media is loaded, the printer is ONLINE and ready to receive data. If there is no media loaded, the printer is OFFLINE. When in Menu Mode the printer is OFFLINE.

To enter the MENU MODE

1. Press the [MENU] key.
2. Press the [Menu Down] or [Menu Up] keys to select the next or previous menu item.
3. Press [VALUE +] or [VALUE -] to select the next or previous option or value.
4. Press [ENTER] to accept a new setting or enter the next menu level.
5. Press [Back] to return to a previous menu level or exit the Menu Mode. If media is loaded, exiting the top menu level will switch the printer back to ONLINE.
Using the Heater System control panel

1. **FRONT HEATER Key**
   The [FRONT HEATER] key sets the temperature for the front heater. The maximum temperature is 50° C (122° F). Press the up and down arrow buttons to select an appropriate temperature. Real temperature (RT) and set temperature (ST) display on the LCD screen.

2. **REAR HEATER Key**
   The [REAR HEATER] key sets temperature for the rear heater. The maximum temperature is 50° C (22° F). Press the up and down arrow buttons to select an appropriate temperature. Real temperature (RT) and set temperature (ST) display on the LCD screen.

3. **Power Switch**
   The [POWER] key turns the power ON or OFF the Heater System.
# Menu structure overview

Bold items are default settings.

<table>
<thead>
<tr>
<th>Online MENU</th>
<th>Command</th>
<th>Command</th>
<th>MH-GL2 / MHGL, GL2 / RTL-PASS</th>
<th>Printer command language selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>PlotArea</td>
<td>Normal</td>
<td>Normal</td>
<td>Normal / Expend</td>
<td>Set-up hard clip area depending of media size.</td>
</tr>
<tr>
<td>Position</td>
<td>P1 / Full / LL</td>
<td>Special / Normal</td>
<td>Set-up initial pen position in MH-GL, GL2 and MH-GL2.</td>
<td></td>
</tr>
<tr>
<td>Terminat</td>
<td>Special / Normal</td>
<td>Special / Normal</td>
<td>Command Language terminator selection.</td>
<td></td>
</tr>
<tr>
<td>Resolut</td>
<td>720dpi / 360dpi / 300dpi</td>
<td>Special / Normal</td>
<td>Select logical resolution.</td>
<td></td>
</tr>
<tr>
<td>OnlineTimer</td>
<td>Off / 10s / 20s / 30s / 40s / 50s / 60s / 90s / … / 780s / 800s</td>
<td>Special / Normal</td>
<td>In case of intermittent data flow, determines time-out to finalize plot.</td>
<td></td>
</tr>
<tr>
<td>Overwrite</td>
<td>Last / Mix</td>
<td>Special / Normal</td>
<td>Set-up control of overlapping areas.</td>
<td></td>
</tr>
<tr>
<td>OriginReset</td>
<td>No / Yes</td>
<td>Special / Normal</td>
<td>Allows manual nesting when combined with backward feed.</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>InkDryTime</td>
<td>0 sec to 5 sec to 30 sec to 60 min</td>
<td>Set-up ink drying time before sheet-off occurs.</td>
<td></td>
</tr>
<tr>
<td>Halitone</td>
<td>Quality / Speed / Thin</td>
<td>Special / Normal</td>
<td>Select method of pseudo-tone processing.</td>
<td></td>
</tr>
<tr>
<td>KCMY→KMY</td>
<td>Yes / No</td>
<td>Special / Normal</td>
<td>Reserved for future use.</td>
<td></td>
</tr>
<tr>
<td>CMY→Black</td>
<td>Yes / No</td>
<td>Special / Normal</td>
<td>Allow mixed black (CMY) or not.</td>
<td></td>
</tr>
<tr>
<td>KYCMYK</td>
<td>No / Yes</td>
<td>Special / Normal</td>
<td>Reserved for future use.</td>
<td></td>
</tr>
<tr>
<td>Scale</td>
<td>.25% to 100 % to 400%</td>
<td>Special / Normal</td>
<td>Expand or reduce print data.</td>
<td></td>
</tr>
<tr>
<td>Mirror</td>
<td>OH / Y On</td>
<td>Special / Normal</td>
<td>Reverse printing set-up.</td>
<td></td>
</tr>
<tr>
<td>Direct.</td>
<td>Command / MAX-MIN</td>
<td>Special / Normal</td>
<td>Media size determined by Page size Command or by plot data.</td>
<td></td>
</tr>
<tr>
<td>Cut Position</td>
<td>Data / Standard</td>
<td>Special / Normal</td>
<td>Specify cutting position on roll media following data or standard media size.</td>
<td></td>
</tr>
<tr>
<td>Copy</td>
<td>Auto / Off / Manual</td>
<td>Special / Normal</td>
<td>Automatic sheet-off set-up.</td>
<td></td>
</tr>
<tr>
<td>InkDensity</td>
<td>Normal / Micro</td>
<td>Special / Normal</td>
<td>Select Normal or Micro dot drop size in function of media &amp; ink type.</td>
<td></td>
</tr>
<tr>
<td>Dist.Adj</td>
<td>No / Clear / Change / Confirm</td>
<td>Special / Normal</td>
<td>Plot distance adjustment.</td>
<td></td>
</tr>
<tr>
<td>StepAdjust</td>
<td>Change / Clear</td>
<td>Special / Normal</td>
<td>Micro-banding elimination via microstep adjustment.</td>
<td></td>
</tr>
<tr>
<td>Centro</td>
<td>Mode</td>
<td>Bi Centro / Centro</td>
<td>Select between uni-directional and ECP high speed.</td>
<td></td>
</tr>
<tr>
<td>Timing</td>
<td>A – B / B – A</td>
<td>Special / Normal</td>
<td>Select ACK timing for BUSY state.</td>
<td></td>
</tr>
<tr>
<td>Network</td>
<td>IP Address</td>
<td>000.000.000.000 to 192.034.041.015 to 255.255.255.255</td>
<td>Network option is not available.</td>
<td></td>
</tr>
<tr>
<td>Utility</td>
<td>ErrorDisplay</td>
<td>OH / On</td>
<td>Show or hide simple error.</td>
<td></td>
</tr>
<tr>
<td>Initialize</td>
<td>No</td>
<td>Special / Normal</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Special / Normal</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>InitialCommand</td>
<td>No / OK</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>InitialFunct</td>
<td>No / OK</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>InitialCentro</td>
<td>No / OK</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>InitialNetwork</td>
<td>No / OK</td>
<td>Initialize printer set-up.</td>
<td></td>
</tr>
<tr>
<td>Dump</td>
<td>Start – End / All (Cancel with CANCEL-key)</td>
<td>Special / Normal</td>
<td>Set-up data dump mode.</td>
<td></td>
</tr>
<tr>
<td>Wash</td>
<td>Special / Normal</td>
<td>Special / Normal</td>
<td>Starts manual head wash.</td>
<td></td>
</tr>
<tr>
<td>Clean</td>
<td>Normal</td>
<td>Special / Normal</td>
<td>Starts a NORMAL cleaning.</td>
<td></td>
</tr>
<tr>
<td>Fill</td>
<td>Powerful</td>
<td>Special / Normal</td>
<td>Starts a POWERFUL cleaning.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No</td>
<td>Special / Normal</td>
<td>Starts Ink Fill Sequence</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Special / Normal</td>
<td>Starts Ink Change Procedure</td>
<td></td>
</tr>
<tr>
<td>Maintenance Rec.</td>
<td>No / Yes</td>
<td>Special / Normal</td>
<td>Prints maintenance record.</td>
<td></td>
</tr>
</tbody>
</table>
Print modes accessible via the control panel

The following print modes are predefined as Draft, Normal and Quality. These modes may be overwritten from the RIP software on the host computer using the printer manager commands.

<table>
<thead>
<tr>
<th>Panel LEDs</th>
<th>Print Mode</th>
<th>ft/h</th>
<th>Output Resolution (dpi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>360 – Draft</td>
<td>1-Pass / Bi-directional</td>
<td>156.0</td>
<td>360 x 180</td>
</tr>
<tr>
<td>360 – Normal</td>
<td>1-Pass / Unidirectional</td>
<td>117.0</td>
<td>360 x 180</td>
</tr>
<tr>
<td>360 – Quality</td>
<td>2-Pass / Unidirectional</td>
<td>58.45</td>
<td>360 x 360</td>
</tr>
<tr>
<td>720 – Draft</td>
<td>2-Pass / Bi-directional</td>
<td>78.04</td>
<td>720 x 360</td>
</tr>
<tr>
<td>720 – Normal</td>
<td>2-Pass / Unidirectional</td>
<td>58.45</td>
<td>720 x 360</td>
</tr>
<tr>
<td>720 – Quality</td>
<td>2-Pass / Unidirectional</td>
<td>29.27</td>
<td>720 x 360</td>
</tr>
<tr>
<td>1440 – Draft</td>
<td>8-Pass / Bi-directional</td>
<td>19.48</td>
<td>1440 x 1440</td>
</tr>
<tr>
<td>1440 – Normal</td>
<td>8-Pass / Unidirectional</td>
<td>19.48</td>
<td>1440 x 1440</td>
</tr>
<tr>
<td>1440 – Quality</td>
<td>16-Pass / Unidirectional</td>
<td>7.32</td>
<td>1440 x 1440</td>
</tr>
</tbody>
</table>

Tip: As viewing distance increases, the need for higher DPI decreases. The larger halftone dots are often much more pleasing than people anticipate. The human eye assimilates the larger dots from a viewing distance of 6 to 10 feet.
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