**Accessories**

### Ink Cartridges

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>S020189</td>
</tr>
<tr>
<td>Color</td>
<td>S020191</td>
</tr>
</tbody>
</table>

### Media

<table>
<thead>
<tr>
<th>Media name</th>
<th>Size</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPSON 360 dpi Ink Jet Paper</td>
<td>Letter, A3, Super B</td>
<td>S041060, S041062, S041064</td>
</tr>
<tr>
<td>EPSON High Quality Ink Jet Paper</td>
<td>Letter, A4</td>
<td>S041111, S041112</td>
</tr>
<tr>
<td>EPSON Photo Quality Ink Jet Paper</td>
<td>Letter, A4, A6, B, Super B</td>
<td>S041062, S041063, S041064, S041065</td>
</tr>
<tr>
<td>EPSON Photo Quality Glossy Paper</td>
<td>Letter, A4, Super B</td>
<td>S041124, S041126, S041128</td>
</tr>
</tbody>
</table>

### Printer Specifications

#### Printing

- **Printing method**: On-demand ink jet
- **Nozzle configuration**: Black 144 nozzles, Color 144 nozzles (48 each: cyan, magenta, yellow)
- **Resolution**: Maximum 1440 dpi × 720 dpi
- **Print direction**: Bidirectional with logic seeking
- **Control code**: ESC/P Raster™, EPSON Remote
- **Input buffer**: 256KB
### Paper

<table>
<thead>
<tr>
<th>Paper type</th>
<th>Size</th>
<th>Paper types</th>
<th>Thickness</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single sheets</td>
<td>Letter (8.5 x 11 inches)</td>
<td>Plain bond paper and special ink jet papers distributed by EPSON</td>
<td>0.003 to 0.004 inch (0.08 to 0.11 mm)</td>
<td>17 to 24 lb (64 to 90 g/m²) for plain bond paper</td>
</tr>
<tr>
<td></td>
<td>Legal (8.5 x 14 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Half letter (statement, 5.5 x 8.5 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Executive (7.5 x 10 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A4 (210 x 297 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A5 (148 x 210 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A3 (11.7 x 16.5 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B (11 x 17 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super B (13 x 19 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transparencies, glossy film, glossy paper</td>
<td>Letter (8.5 x 11 inches)</td>
<td>Transparencies, glossy paper, and glossy film distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>A4 (210 x 297 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A6 (105 x 148 mm), glossy film only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B (11 x 17 inches), glossy film only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super B (13 x 19 inches), glossy media only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matte Paper - Heavyweight</td>
<td>Letter (8.5 x 11 inches)</td>
<td>Matte paper distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>A3 (11.7 x 16.5 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super B (13 x 19 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-adhesive sheets</td>
<td>A4 (210 x 297 mm)</td>
<td>Self adhesive sheets distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Envelopes</td>
<td>No. 10, 4.1 x 9.5 inches (104 x 241 mm)</td>
<td>Plain bond paper or air mail paper</td>
<td>0.006 to 0.02 inch (0.16 to 0.52 mm)</td>
<td>12 to 20 lb (45 to 75 g/m²)</td>
</tr>
<tr>
<td></td>
<td>DL, 4.3 x 8.7 inches (110 x 220 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C6, 4.4 x 6.4 inches (114 x 162 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>132 x 220 mm (5.2 x 8.7 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index (ink jet) cards</td>
<td>A6 (105 x 148 mm)</td>
<td>Ink jet cards distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>8 x 10 inches (203 x 254 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photo Paper</td>
<td>Letter (8.5 x 11 inches)</td>
<td>Photo paper distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>A4 (210 x 297 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 x 6 inches (102 x 152 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panoramic (210 x 594 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B (11 x 17 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super B (13 x 19 inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roll (13 inches x 32.8 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photo Stickers</td>
<td>A6 (105 x 148 mm), 16 frames/sheet</td>
<td>Photo stickers distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Iron-On Cool Peel Transfer Paper</td>
<td>Letter (8.5 x 11 inches)</td>
<td>Transfer paper distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Ink Jet Back Light Film</td>
<td>A3 (11.7 x 16.5 inches)</td>
<td>Ink Jet Back Light film distributed by EPSON</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Note:
Always load paper into the sheet feeder short edge first, except for envelopes. Load envelopes flap edge first with the flap side down.

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, EPSON cannot attest to the quality of any non-EPSON brand or type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper.

Do not load curled or folded paper.

Use papers under these conditions:
- Temperature: 59 to 77 °F (15 to 25 °C)
- Humidity: 40 to 60% RH

Store printouts on EPSON Photo Quality Glossy Film and Self Adhesive Sheets under these conditions:
- Temperature: 59 to 86 °F (15 to 30 °C)
- Humidity: 20 to 60% RH

Store printouts on EPSON Ink Jet Back Light Film under these conditions:
- Temperature: 73 to 90 °F (23 to 32 °C)
- Humidity: 40 to 60% RH

(Ink may smudge if printed on ink jet back light film at temperatures below 72 °F (22 °C)
Printable area

A: The minimum top margin is 0.12 inch (3.0 mm).
When loading multiple sheets of EPSON Photo Quality Glossy Film, the minimum top margin is 1.2 inches (30 mm).
B-L: The minimum left margin is 0.12 inch (3.0 mm).
B-R: The minimum right margin is 0.12 inch (3.0 mm).
C: The minimum bottom margin is 0.55 inch (14.0 mm).
* You can extend the minimum bottom margin to 0.12 inch (3.0 mm) by selecting Maximum as the Printable Area setting. However, print quality may decline in the expanded area. Before printing large jobs, print a single sheet to confirm print quality.

A: The maximum top margin is 0.24 inch (6.1 mm).
L & R: The maximum left and right margin is 0.24 inch (6.1 mm).
C: The maximum bottom margin is 0.67 inch (17.0 mm).
* EPSON 4 x 6-inch Photo Paper is 4.5 inches x 6.9 inches (114.3 x 175.3 mm), including the perforated margins. The printable area is 4 x 6 inches (101.6 x 152.4 mm).

Ink Cartridges

<table>
<thead>
<tr>
<th>Specification</th>
<th>Black ink cartridge (S020189)</th>
<th>Color ink cartridge (S020191)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color(s)</td>
<td>Black</td>
<td>Cyan, Magenta, Yellow</td>
</tr>
<tr>
<td>Print capacity*</td>
<td>900 pages text (ISO/IEC 10561 letter pattern) 634 pages graphic (5% coverage)</td>
<td>300 pages (15% coverage)</td>
</tr>
<tr>
<td>Cartridge life</td>
<td>2 years from production date (if unopened) (within 6 months after opening package, at 77 °F [25 °C])</td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>–4 to 104 °F (–20 to 40 °C)</td>
<td>1 month at 104 °F (40 °C)</td>
</tr>
<tr>
<td>Transit temperature</td>
<td>–22 to 140 °F (–30 to 60 °C)</td>
<td>1 month at 104 °F (40 °C) 120 hours at 140 °F (60 °C)</td>
</tr>
<tr>
<td>Freezing temperature**</td>
<td>3.2 °F (–16 °C)</td>
<td>−0.4 °F (–18 °C)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1.09 (W) × 2.1 (D) × 1.5 (H) inches</td>
<td>1.7 (W) × 2.1 (D) × 1.5 (H) inches</td>
</tr>
<tr>
<td></td>
<td>27.8 (W) × 52.7 (D) × 38.5 (H) mm</td>
<td>42.9 (W) × 52.7 (D) × 38.5 (H) mm</td>
</tr>
</tbody>
</table>

* The figure given is based on continuous printing after ink replacement. The actual print capacity may vary, depending on how often you turn on the printer and how often you clean the print head.
** Ink thaws and is usable after approximately 3 hours at 77 °F (25 °C).

To ensure good results, use genuine EPSON cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON’s warranties.

Don’t use an ink cartridge if the date on the package has expired.

Mechanical

Paper feed method Friction
Paper path Sheet feeder, rear entry
Sheet feeder capacity 100 sheets of 17 lb (64 g/m²) paper
Dimensions

| Storage | Width: 24 inches (609 mm) | Depth: 6.9 inches (175 mm) |
| Printing | Width: 24 inches (609 mm) | Depth: 30.2 inches (766 mm) |
| Weight | 18.5 lb (8.4 kg) without the ink cartridges |
Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>120 V Model</th>
<th>220–240 V Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage range*</td>
<td>99 to 132 V</td>
<td>198 to 264 V</td>
</tr>
<tr>
<td>Rated frequency range</td>
<td>50 to 60 Hz</td>
<td></td>
</tr>
<tr>
<td>Input frequency range</td>
<td>49.5 to 60.5 Hz</td>
<td></td>
</tr>
<tr>
<td>Rated current</td>
<td>0.4 A</td>
<td>0.2 A</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Approx. 14 W (ISO/IEC 10561 Letter Pattern)</td>
<td>Approx. 3.5 W in standby mode</td>
</tr>
</tbody>
</table>

* Check the label on the back of the printer for your printer’s voltage.

Environmental

Temperature
- Operation: 50 to 95 °F (10 to 35 °C)
- Storage*: –4 to 104 °F (–20 to 40 °C)
- Transit*: –4 to 140 °F (–20 to 60 °C)
- 1 month at 104 °F (40 °C)
- 120 hours at 140 °F (60 °C)

Humidity (without condensation)
- Operation: 20 to 80% RH
- Storage*: 5 to 85% RH

*Stored in shipping container

Safety Approvals

Safety standards
- UL 1950, CSA C22.2 No. 950
- EMC: FCC part 15 subpart B class B

Control Panel

Follow these guidelines when you check the control panel lights.

<table>
<thead>
<tr>
<th>Light(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P is on</td>
<td>The P power light is on when the printer is on and ready to print. It flashes when the printer is receiving a print job, charging ink, or cleaning the print head.</td>
</tr>
<tr>
<td>P flashes and S and B are on</td>
<td>When the P paper out light flashes and both ink out lights come on, you have a paper jam. Press the E load/eject button to try to clear the jam. If that doesn’t work, turn off the printer and gently pull out all the paper. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the paper against the right edge guide and slide the left edge guide against it. Turn on the printer and press the E load/eject button to resume printing.</td>
</tr>
<tr>
<td>S is on</td>
<td>When the S paper out light comes on, your paper is out or incorrectly loaded. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the paper against the right edge guide and slide the left edge guide against it. Press the E load/eject button to resume printing.</td>
</tr>
<tr>
<td>B or A flash</td>
<td>When an ink out light flashes, your ink supply is low. Make sure you have a replacement cartridge (black S020189, color S020191).</td>
</tr>
<tr>
<td>B or A are on</td>
<td>When an ink out light comes on, you need to replace the ink cartridge. Make sure you have a replacement cartridge (black S020189, color S020191). See page 6 for instructions.</td>
</tr>
<tr>
<td>P and S flash and B and A are on</td>
<td>When the P power and S paper out lights flash and the B black and A color ink out lights come on, jammed paper may be blocking movement of the print head or you may not have removed the yellow tape seal from the installed ink cartridge(s). Turn off the printer, open the cover, and check inside for any jammed paper. Then turn the printer back on. If an ink out light remains on and the print head moves into replacement position, replace the ink cartridge(s) as described on page 8. If the lights still flash and/or come on, contact your dealer or EPSON.</td>
</tr>
<tr>
<td>P S B A flash</td>
<td>When all the lights flash, your printer may have an internal error. Make sure you removed all the packing material as described on the unpacking sheet in your printer box. Then turn off the printer, wait a few seconds, and turn it on again. If the lights still flash, contact your dealer or EPSON.</td>
</tr>
</tbody>
</table>
| P S B A are off | When all the lights are off, the printer is not receiving power. Try these solutions:
- Make sure the printer is turned on.
- Turn off the printer, plug in the power cord securely, and turn on the printer again.
- Make sure the outlet is operable and is not controlled by a switch or timer. If in doubt, try using another outlet. |
Installing an Ink Cartridge for the First Time

Follow these ink cartridge precautions:

- Install both ink cartridges, and leave them installed for all types of printing, or the printer won’t work.
- Remove the yellow tape seal from the top of the ink cartridges or you’ll permanently damage them. Don’t remove the clear seals on the bottom or ink will leak out.
- Don’t open an ink cartridge clamp to remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can’t reuse it, even if it contains ink.
- Never turn off the printer when the power light is flashing, unless the printer hasn’t moved or made any noise for more than five minutes.

Keep ink cartridges out of the reach of children.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water.

1. Lower the output tray and open the printer cover.
2. Press the power button to turn on the printer. The power light flashes and the black and color ink out lights come on. The ink cartridge holders move left into loading position.
3. Lift up the two ink cartridge clamps.
4. Unwrap the ink cartridges, then remove only the yellow part of the tape seal on the top. Don’t pull off the blue part.
5. Insert both ink cartridges with the labels facing up as shown. Press down the clamps until they lock into place, but don’t press down on the ink cartridges.
6. Press the cleaning button and close the printer cover. Ink charging takes about two minutes, with the power light flashing and the printer making noise until it’s finished.

Testing the Printer

You can run a printer check to determine whether a problem comes from the printer itself or some other source. Follow these steps to run the printer check:

1. Make sure both the printer and computer are turned off.
2. Disconnect the interface cable from the printer.
3. Make sure paper is loaded in the printer.
4. Hold down the load/eject button, then press and release the power button. Continue holding down the load/eject button until the power light starts to flash, then release it.
The printer prints one page showing its ROM version number, ink counter, and a nozzle check pattern. Only the nozzle check pattern is shown below. (If the pattern has gaps in its dots, you need to clean the print head; see page 9.)

5. To end the check, turn off the printer after it prints the check page. Then reconnect the interface cable and turn on your printer and computer.

If the check page prints, the problem probably lies in your software settings, the interface cable, or your computer.

If the check page doesn’t print, you may have a problem with your printer.

Try the suggestions in “Problems and Solutions” in the Printer Basics book.

**Printing on Special Media**

Whether you print on plain paper or special media, you need to select the Media Type setting according to the guidelines in the table below.

<table>
<thead>
<tr>
<th>For this paper name...</th>
<th>Select this Media Type setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper and envelopes</td>
<td>Plain paper</td>
</tr>
<tr>
<td>EPSON High Quality Ink Jet Paper EPSON Photo Quality Ink Jet Paper EPSON Photo Quality Ink Jet Cards EPSON Photo Quality Self Adhesive Sheets</td>
<td>Photo Quality Ink Jet Paper</td>
</tr>
<tr>
<td>EPSON Photo Quality Glossy Paper EPSON Photo Paper</td>
<td>Photo Paper</td>
</tr>
<tr>
<td>EPSON Photo Quality Glossy Film EPSON Photo Stickers</td>
<td>Photo Quality Glossy Film</td>
</tr>
<tr>
<td>EPSON Ink Jet Transparencies</td>
<td>Ink Jet Transparencies</td>
</tr>
<tr>
<td>Matte Paper - Heavyweight</td>
<td>Matte Paper - Heavyweight</td>
</tr>
<tr>
<td>EPSON Ink Jet Back Light Film</td>
<td>Ink Jet Back Light Film</td>
</tr>
</tbody>
</table>

**Additional Media Loading Guidelines**

- Don’t use the cleaning sheets that may be included with your special media; they may damage the printer.
- Be sure to load the printable (whiter) side of the media face up in the sheet feeder.
- You can load paper up to the arrow mark on the left edge guide.
- In addition to the Media Type option, remember to select the correct Paper Size for your media in the printer software.
- If the special media has protective sheets between each sheet of media, be sure to remove the protective sheets before printing.
- Some special media have a cut corner that you need to position correctly; follow any instructions in the package. Always handle sheets by the edges, and don’t touch the printable surface.

**Replacing an Ink Cartridge**

When the black or color ink out light flashes, the indicated cartridge is low on ink. This is a good time to make sure you have a new cartridge. When the light stays on, the cartridge is empty and you need to replace it.

You cannot print if either ink cartridge is empty. Leave the empty cartridge installed in the printer until you have obtained a replacement. Otherwise the ink remaining in the print head nozzles may dry out.

Use these EPSON ink cartridges within six months of installing them and before the expiration date on the package:

- Black ink cartridge: S020189
- Color ink cartridge: S020191
To ensure good results, use genuine EPSON ink cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON’s warranty.

When you need new ink cartridges, contact your dealer or call EPSON Accessories at (800) 873-7766 or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

If you need to replace an ink cartridge before the lights flash (because the ink is too old, for example) follow the instructions in “Replacing an Outdated Ink Cartridge” on page 8.

**Removing and Installing Ink Cartridges**

You can replace a cartridge when the black or color ink out light is either flashing or on. (If you perform these steps when both ink out lights are off, the printer cleans the print heads as described on page 9.)

Be sure you have a new ink cartridge before you begin. Once you start the ink cartridge replacement procedure, you must complete all the steps in one session.

Follow these steps to replace ink cartridges:

1. Make sure the printer is turned on and not printing (the power light should be on, but not flashing), then open the printer cover.

2. Press the cleaning button and hold it for about three seconds until the print head moves left and the power light begins flashing.

To avoid damaging the printer, never move the print head by hand. Don’t open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can’t reuse it, even if it contains ink.

3. Pull up the ink cartridge clamp. The cartridge rises up from its holder. (The illustration shows color ink cartridge replacement. To replace the black ink cartridge, lift up only the smaller clamp on the left.)

4. Lift the cartridge out of the printer and dispose of it carefully.

5. Unwrap the new ink cartridge. Then remove only the yellow part of the tape seal on top.

You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Don’t pull off the blue portion or try to remove the clear seal underneath the cartridge.

6. Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer.
7. Press down the ink cartridge clamp until it locks in place, but don’t press down on the cartridge itself.

8. If you need to replace the other ink cartridge, repeat steps 3 through 7 before continuing with step 9.

9. Press the \( R \) cleaning button and close the printer cover. The printer moves the print head and begins charging the ink delivery system. The \( P \) power light flashes, and the printer makes noise. Charging takes about 30 seconds. When it’s finished, the \( P \) power light stops flashing and stays on.

Never turn off the printer while the \( P \) power light is flashing, unless the printer hasn’t moved or made noise for more than 5 minutes.

**Replacing an Outdated Ink Cartridge**

When an ink cartridge is more than six months old, you may need to replace it if you notice that your printouts don’t look as good as they used to. If print quality doesn’t improve after cleaning and aligning the print head, you can replace one or both cartridges.

Follow these steps to replace an ink cartridge before the \( \bullet \) black or \( \odot \) color ink out light is flashing or on:

1. Make sure the printer is turned on and not printing (the \( P \) power light should be on, but not flashing), then open the printer cover.

2. Press the \( \odot \) load/eject button and hold it for about three seconds until the print head moves left and the \( P \) power light begins flashing.

To avoid damaging the printer, never move the print head by hand. Don’t open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can’t reuse it, even if it contains ink.

3. Pull up the ink cartridge clamp. The cartridge rises up from its holder. (The illustration shows color ink cartridge replacement. To replace the black ink cartridge, lift up only the smaller clamp on the left.)

4. Lift the cartridge out of the printer and dispose of it carefully.

5. Unwrap the new ink cartridge. Then remove only the yellow part of the tape seal on top.

**Warning**

Keep ink cartridges out of the reach of children.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

**Note**

You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Don’t pull off the blue portion or try to remove the clear seal underneath the cartridge.
6. Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer.

7. Press down the ink cartridge clamp until it locks in place, but don’t press down on the cartridge itself.

8. If you need to replace the other ink cartridge, repeat steps 3 through 7 before continuing with step 9.

9. Press the load/eject button again and close the printer cover. The printer moves the print head and begins charging the ink delivery system.

   The power light flashes and the printer makes noise. Charging takes about 30 seconds. When it’s finished, the power light stops flashing and stays on.

   Never turn off the printer while the power light is flashing, unless the printer hasn’t moved or made noise for more than 5 minutes.

Cleaning the Print Head

If your printed image is unexpectedly light or faint, or dots are missing from the image, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly.

Cleaning the print head uses ink, so clean it only if print quality declines. You can clean the print head in either of the following ways:

- using the Head Cleaning utility (when the printer is connected to a local port, not over a network), as described on page 9
- using the printer’s control panel buttons, as described on page 10

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Using the Head Cleaning Utility

Follow these steps to run the Head Cleaning utility (recommended method):

1. Make sure the printer is turned on but not printing, and both the black and color ink out lights are off. (If an ink out light is flashing, replace the ink cartridge before continuing.)

2. If you have an application running, access the printer settings dialog box.

   Or, with Windows, click Start, point to Settings, then select Printers. Right-click your EPSON Stylus COLOR 1160 printer icon in the Printers windows. Then select Properties (Document Defaults in Windows NT).

3. **Windows**: Click the Utility tab.

   **Macintosh**: Click the Utility button.

4. On the Utility menu, click the Head Cleaning button.

5. Follow the instructions on the screen to clean the print head. Cleaning takes about 30 seconds, during which the printer makes some noise and the power light flashes.

   Never turn off the printer while the power light is flashing, unless the printer hasn’t moved or made noise for more than 5 minutes.

6. When the power light stops flashing, run a nozzle check to confirm the print head nozzles are clean and reset the cleaning cycle.
Make sure paper is loaded in the printer and click Print nozzle check pattern. Then click Next. The nozzle check pattern prints (see page 10 for details).

7. If the nozzle check pattern has no gaps in its dots, click Finish.

If the pattern is missing dots, click Clean to clean the print head again. If you don’t see any improvement after cleaning three or four times, check the solutions in the Printer Basics book. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

Using the Control Panel to Clean the Print Head

Follow these steps to clean the print head:

1. Make sure the printer is turned on but not printing, and both the black and color ink out lights are off. (If an ink out light is flashing, replace the ink cartridge before continuing.)

2. Press the cleaning button and hold it down for three seconds. Cleaning takes about 30 seconds, during which the printer makes some noise and the power light flashes. Never turn off the printer while the power light is flashing, unless the printer hasn’t moved or made noise for more than 5 minutes.

3. After the power light stops flashing, print a page to test the print quality and reset the cleaning cycle.

If your printer is connected directly to the computer, go to step 4 to run a nozzle check.

If you’re printing over a network, open an application and print a short document containing black and color data. Then go to step 8.

4. If you have an application running, access the printer settings dialog box.

Or, with Windows, click Start, point to Settings, then select Printers. Right-click your EPSON Stylus COLOR 1160 printer icon in the Printers windows. Then select Properties (Document Defaults in Windows NT).

5. Windows: Click the Utility tab.

Macintosh: Click the Utility button.

6. Make sure paper is loaded in the printer, click the Nozzle Check button, and click Next. The nozzle check pattern prints (see the next section for details).

7. If the nozzle check pattern has no gaps in its dots, click Finish.

If the pattern is missing dots, click Clean to clean the print head again.

8. If you don’t see any improvement after cleaning three or four times, check the solutions in the Printer Basics book. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

Examining the Nozzle Check Pattern

Examine the nozzle check pattern you print. It should look something like this:

Aligning the Print Head

If your printouts contain misaligned vertical lines, you may need to align the print head. Your printer must be connected to a local port, not on a network, to use the Print Head Alignment utility.

Follow these steps:

1. Make sure the printer is turned on, but not printing, and letter-size paper is loaded.

For the best results, load EPSON ink jet paper in the printer whenever you check the print head alignment.

2. If you have an application running, access the printer settings dialog box.
Or, with Windows, click Start, point to Settings, then select Printers. Right-click the EPSON Stylus COLOR 1160 icon in the Printers windows. Select Properties (Document Defaults in Windows NT).

3. **Windows**: Click the Utility tab.
   **Macintosh**: Click the Utility button.
4. You see the Utility menu. Click the Print Head Alignment button.
5. Follow the instructions on the screen to print a test page.
6. Select the most precise alignment pattern from the choices on the test page. Enter the number of the best aligned pattern following the instructions on the screen.

### Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year. Follow these steps:

1. Turn off the printer, unplug the power cord, and disconnect the printer cable.
2. Remove all the paper from the sheet feeder.
3. Clean the exterior of the printer with a soft, damp cloth.
4. Clean ink out of the printer’s interior with a soft, damp cloth.
   
   **Caution**
   - Don’t touch the gears inside the printer.
   - Never use alcohol or thinner for cleaning; they can damage the printer components and case.
   - Don’t use a hard or abrasive brush.
   - Don’t get water on the printer components and don’t spray lubricants or oils inside the printer.
   - Don’t use any cleaning sheets included with special media; they may jam inside the printer.

### Transporting the Printer

If you move your printer some distance, you need to prepare it for transportation in its original box.

**Caution**
- To avoid damage, always leave the ink cartridges installed when transporting the printer.
- Be sure to remove the tape used in step 4 after installing the printer in its new location.

Follow these steps:

1. Turn on the printer, wait until the print head locks in the far right position, then turn off the printer.
2. Unplug the power cord from the electrical outlet. Then disconnect the printer cable from the printer.
3. Remove any paper from the printer and remove the paper support.
4. Open the printer cover. Secure the ink cartridge holder to the printer with tape as shown, then close the printer cover.
5. Push in the output tray extensions and close the tray.
6. Repack the printer and attachments in the original box using the protective materials that came with it. See the unpacking sheet that was packed with your printer.

Be sure to keep the printer level as you transport it.

After transporting the printer, remove the tape securing the print head and test your printer. If you notice a decline in print quality, clean the print head (see page 9); if output is misaligned, align the print head (see page 10).

### Related Documentation

- **TM-SC860/1160 EPSON Stylus COLOR 860/1160 Service Manual**
- **PL-SC1160 EPSON Stylus COLOR 1160 Parts Price List**
- **CPD 9237 EPSON Stylus COLOR 1160 Printer Basics**
- **CPD 9238 EPSON Stylus COLOR 1160 Start Here**
- **CPD 9365 EPSON Stylus COLOR 1160 Unpacking the Printer**