Caring for Your Printer

Aligning the Print Cartridges

When you finish replacing the print cartridges, the message **Printing Alignment Page** appears on the operator panel display and the printer automatically prints a test page of alignment patterns. If you need to print an alignment test page, see “Printing the Test Page for Verifying Alignment” on page 192.

The following illustrations are examples of the alignment test patterns. Each pattern has a letter above it (A, B, C, and D). These letters represent the Horizontal Alignment, Vertical Alignment, Bidirectional Black Alignment, and Bidirectional Color Alignment, respectively.

The number or appearance of your alignment patterns may vary from those shown.

```
A
\[
\begin{array}{cccccccc}
0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\
\end{array}
\]
B
\[
\begin{array}{cccccccc}
 & & & & & & & \\
0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\
\end{array}
\]
C
\[
\begin{array}{cccc}
1 & 2 & 3 & 4 \\
\end{array}
\]
D
\[
\begin{array}{cccc}
1 & 2 & 3 & 4 \\
\end{array}
\]
```
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Once the print cartridge alignment test page has printed, the operator panel display looks like this:

```
Test A Alignment
=15*
```

The current alignment value appears on the second line. To change the alignment value:

1. From the Test A alignment group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.

For example, in sample group A on page 190, number 5 comes closest to forming a straight line.

2. Press and release Menu> or <Menu to display the correct alignment value based on the printed test page.

3. Press Select to choose the correct alignment value.

The next Test Alignment screen appears on the display.

4. Repeat steps 1 through 3 to select the alignment values for Tests B, C, and D.

Once you press Select for the correct value for Test D Alignment, the printer returns to the Ready state.
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Printing the Test Page for Verifying Alignment

For optimal printing, you should align the print cartridges. If you replace print cartridges, your printer automatically prints a test page to verify printhead alignment. If you need to print an alignment test page, complete the following steps:

1. Press Menu> or <Menu to enter the menus.
2. Continue to press and release Menu> or <Menu until you see TESTS MENU.
3. Press Select.
4. Press Menu> until Align Cartridges appears on the second line of the display.
5. Press Select.

Printing Alignment Page appears on the display and the cartridge alignment test page prints.

6. From the Test A alignment group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.

   For example, in sample group A on page 190, number 5 comes closest to forming a straight line.

7. Press and release Menu> or <Menu to display the correct alignment value based on the printed test page.
8. Press Select to choose the correct alignment value.

   The next Test Alignment screen appears on the display.

9. Repeat steps 6 through 8 to select the alignment values for Tests B, C, and D.

Once you press Select for the correct value for Test D Alignment, the printer returns to the Ready state.