
Instrument User Manual Update

RAM190A

ABX Pentra 60C+, Pentra 80, Pentra XL 80,
Pentra 400, ABC Vet
OKI B4200 Printer toner and drum kit replacement



Please, take note of the modifications on next pages. Please, cross out the appropriate sections in the user manual prior to inserting this addendum at the beginning of the user manual.

Date: 31/1/05

OKI B4200 printer toner and drum kit replacement

Tab.1-1: Concerned sections of the manual

Section	Page	Paragraph	Item change
Annex		New printer procedures	Toner and drum kit replacement

1. Toner cartridge replacement

1.1. Toner cartridge informations

- ◆ How long your toner cartridge lasts depends on the print density; the percentage of the page that prints black. A typical letter has 3% to 5% print density; graphics usually have higher density. Higher print density means toner is used up faster. At 5% print density, a standard toner cartridge will print an average of 2500 pages. Remember, this is only an average: actual results may vary.
- ◆ The first toner cartridge installed in a new printer has to fill the image drum reservoir and saturate the developing roller with toner. The first standard toner cartridge normally produces about 1,000 pages after installation.

1.2. When replacing the toner cartridge

Replace the toner cartridge when the Error LED indicator (4) slowly blinks. After Toner Low displays, the printer will print about 100 more pages then stop printing. Printing will resume after a new toner cartridge has been installed. Check the level of toner as follow:

1. Press button (5) in order to switch off LED indicator (2).
2. Press button (5) between 2 and 5 seconds.
3. The LED (2) will blink and 3 status pages will be printed out.



Fig.1-1: Printer command led and button

4. Check the level in % of the toner cartridge on status page 2.



Fig.1-2: Toner and drum life status

- When the toner cartridge is replaced, the percentage will turn to 100%.

1.3. Replacing the toner cartridge

It is recommended that you clean the LED array at the same time as you change the toner cartridge. The toner used in this printer is a very fine dry powder contained in the toner cartridge. Have a sheet of paper handy so that you have somewhere to place the used cartridge while you install the new one. Dispose of the old cartridge responsibly, inside the pack that the new one came in. Follow any regulations, recommendations, etc., which may be in force concerning waste recycling. If you do spill any toner powder, lightly brush it off. If this is not enough, use a cool, damp cloth to remove any residue. Do not use hot water, and never use solvents of any kind. They will make stains permanent.



If you inhale any toner or get it in your eyes, drink a little water or bathe your eyes liberally in cold water. Seek medical attention immediately.

Switch off the printer and allow the fuser to cool for about 10 minutes before opening the top cover.

1. Press the top cover release button and open the printer's top cover fully.



If the printer has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch.

2. Pull the coloured lever on the right side of the toner cartridge towards the front of the printer to close the cartridge then remove the used toner cartridge.
3. Follow the installation instructions on or inside the box containing the new toner cartridge to install the new cartridge.
4. Gently wipe the LED array surface with the LED lens cleaner that came with the new toner cartridge or soft tissue.
5. Close the top cover and press it down to latch it closed.

2. Drum kit replacement

2.1. Image drum life

The life of an image drum depends on a number of factors, including temperature and humidity, the type of paper used, and the number of pages per job. The image drum should last approximately 25,000 pages continuous print-

ing. This number is approximate because different numbers of pages are printed each time and the environmental conditions and the paper type used may vary.

2.2. When to replace the image drum

When the drum reaches 90% of its life, the Error LED indicator slowly blinks when the image drum requires changing. Change the image drum when the print becomes faint or begins to deteriorate. Check the drum life status as indicated for the toner status.

2.3. Replacing the image drum

It is recommended that you change the toner cartridge and clean the LED array at the same time as you change the image drum.



The green image drum surface at the base of the cartridge is very delicate and light sensitive. Do not touch it and do not expose it to normal room light for more than 5 minutes. If the drum unit needs to be out of the printer for longer than this, please wrap the cartridge inside a black plastic bag to keep it away from light. Never expose the drum to direct sunlight or very bright room lighting. Always hold the image drum unit by the ends or from the top.

1. Press the cover release and open the printer's top cover fully.



If the printer has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch.

2. Remove the used image drum and toner cartridge. Follow the installation instructions on or inside the box containing the new image drum to install the new image drum.

3. Gently wipe the LED array surface with the LED lens cleaner that came with the new toner cartridge or soft tissue. Follow the installation instructions on or inside the box containing the new toner cartridge to install the new toner cartridge.

4. Close the top cover and press it down to latch it closed.

2.4. Resetting the drum counter

After replacing the image drum, reset the drum counter to keep a correct count of the number of pages printed on the image drum.

1. Switch the printer off. Open the printer cover.
2. Switch the printer on while pressing the button (5).
3. Close the printer cover and check that the counter now shows 99%.