HP Designjet Z6100 60-in Printer
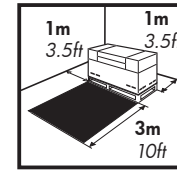
Assembly instructions

EN

Q6654-90021

Please read these instructions carefully

1m 3.5ft   1m 3.5ft   3m 10ft

The space required for assembly is 3m (10 feet) in front and 1m (3.5 feet) at the sides and rear.

4 people are required to perform certain tasks.

≃2.5h

Time required for assembly of the printer is approximately 160 minutes.

Page 1

These assembly instructions explain how to assemble the printer.
Notice that the icons used in this document are also located on the printer packaging.
The icons help you locate the parts needed at each stage of the assembly.
Because spare screws are supplied, some screws will remain unused after assembly of the printer.

1. Printer engine.

2. Stand.

3. Take-up Reel.

4. Spare box.
   Used to rotate the printer.
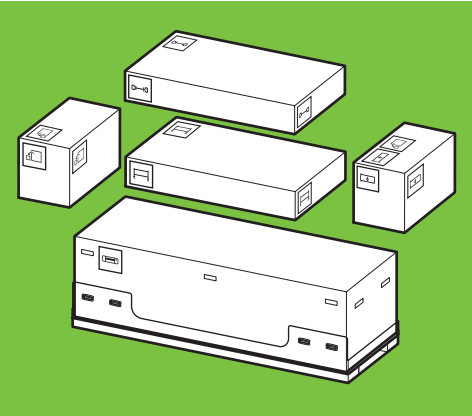
5. Supplies.
   Used to rotate the printer.

x8
x8
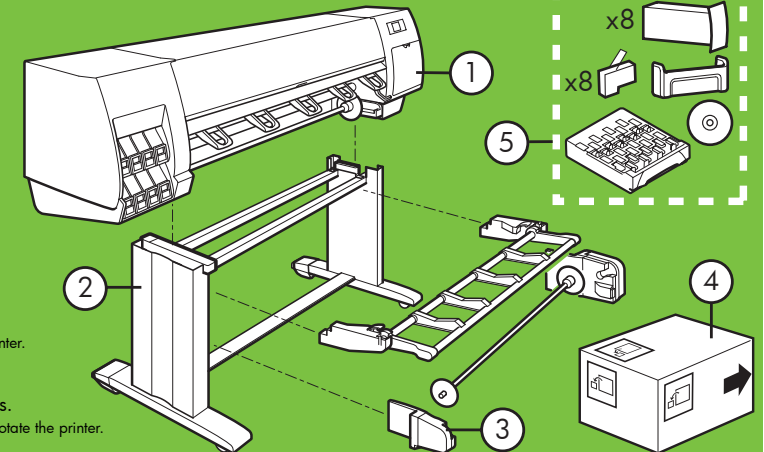
Remove the packaging

Steps 1 to 4.

This task requires 2 people.
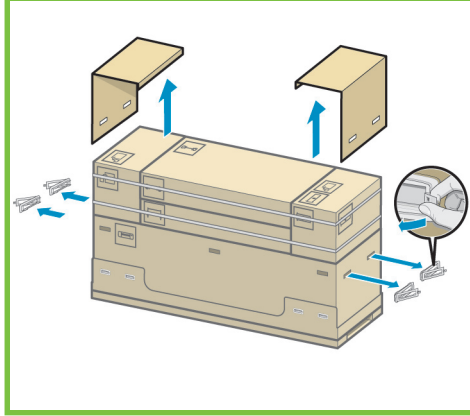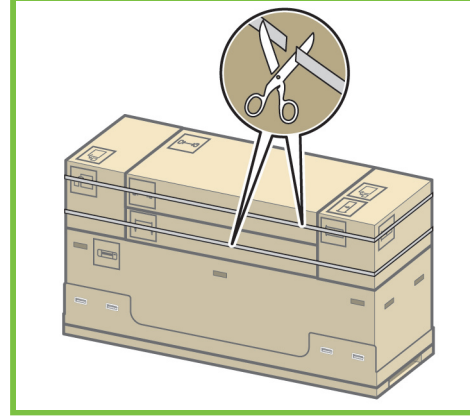Time required is 5 minutes.

5' | x2

Boxes required

1

Remove the 4 upper plastic handles from the sides of the box (two each side), and then carefully remove the two side lids vertically.
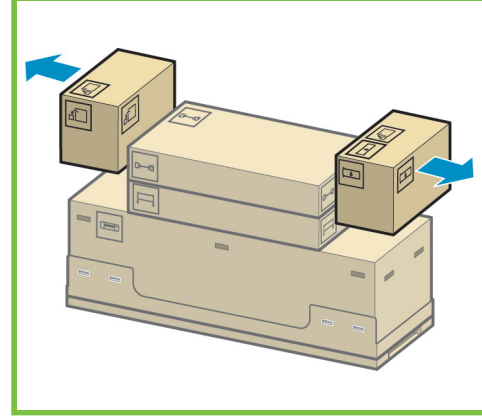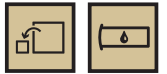
x4

2

Carefully cut the straps around the boxes. Make sure that the boxes don't fall when the straps are cut.
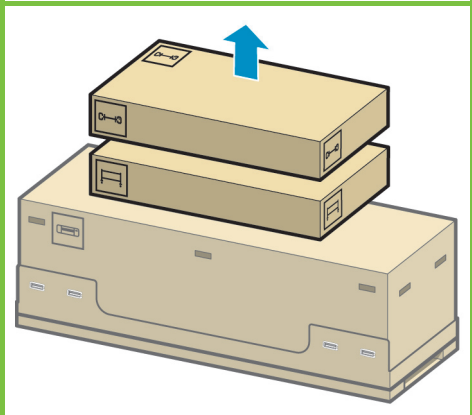

3

Remove the boxes shown.

4

Remove the boxes shown.
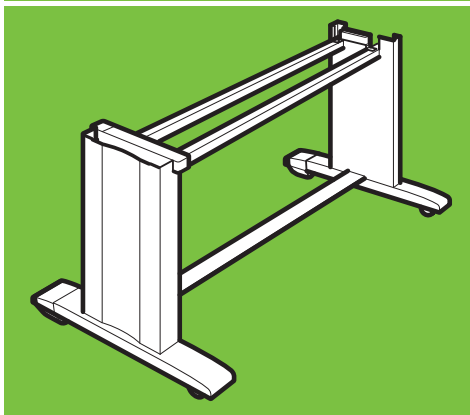
x2

Assemble the stand

Steps 5 to 24.

This task requires 2 people.
Time required is 20 minutes.

20' | x2

Box required

5
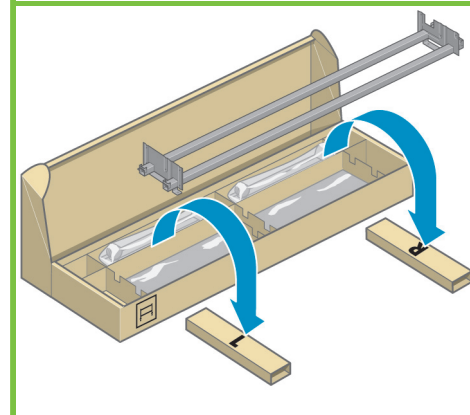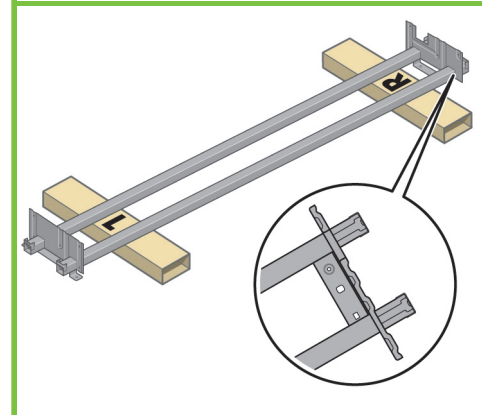
Open the box that contains the stand. Remove the two boxes marked L and R. Place them on the floor as shown.
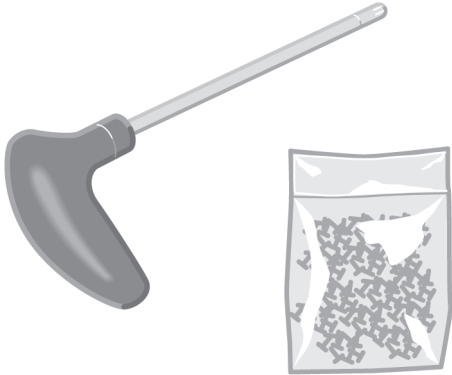

6

Lower the left side of the cross-brace onto the box marked L and the right side of the cross-brace onto the box marked R.
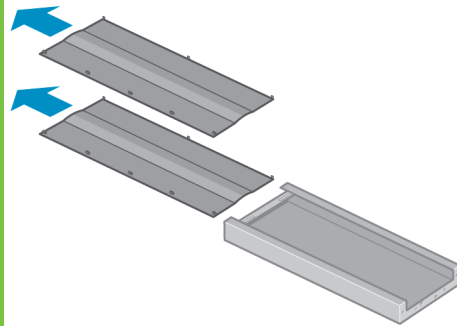
x2

7

Locate the bag of screws and the screwdriver provided. Notice that the screwdriver is slightly magnetic. Because spare screws are supplied, some screws will remain unused after assembly of the printer.
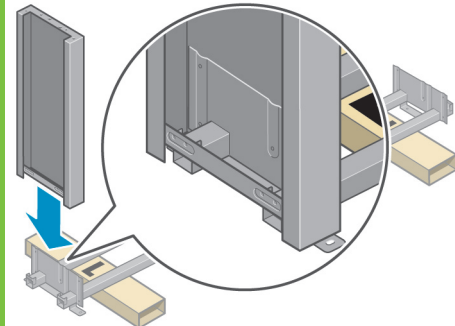
8

Remove the left leg from the box, and then remove the two pieces inside the leg.
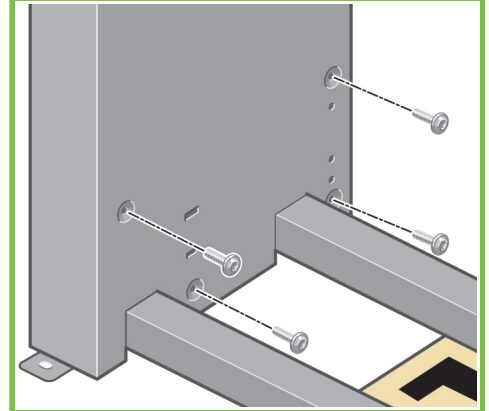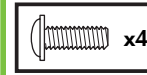
9

Lower the left leg onto the left side of the cross-brace. The left leg will fit only on the left side of the cross-brace.

10

Use four screws on the inside of the left leg to attach the left leg to the cross-brace.

x4

11

Use two screws on the outside of the left leg to attach the left leg to the cross-brace.

x2

12

Lower the right leg onto the right side of the cross-brace. The right leg will fit only on the right side of the cross-brace.
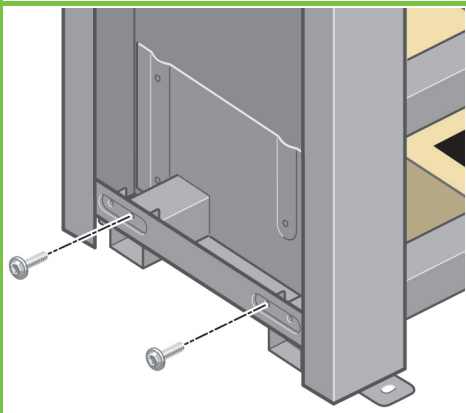
13

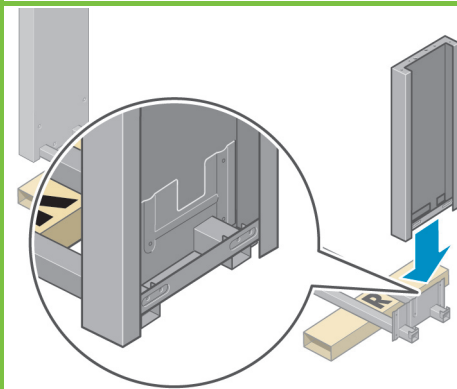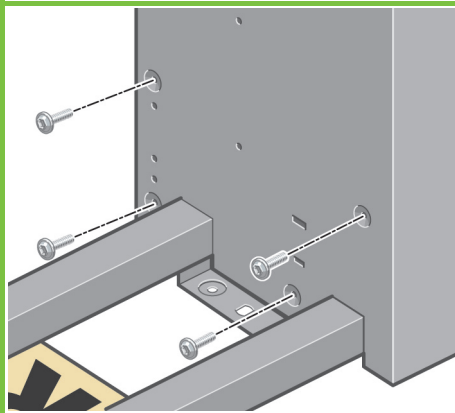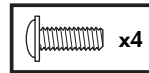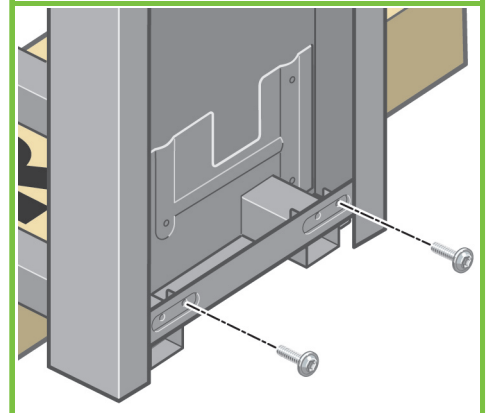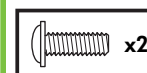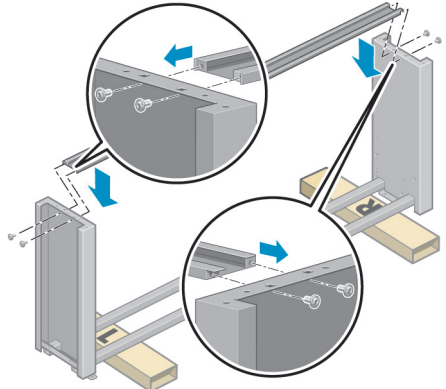Use four screws on the inside of the right leg to attach the right leg to the cross-brace.
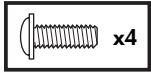
x4

14

Use two screws on the outside of the right leg to attach the right leg to the cross-brace.
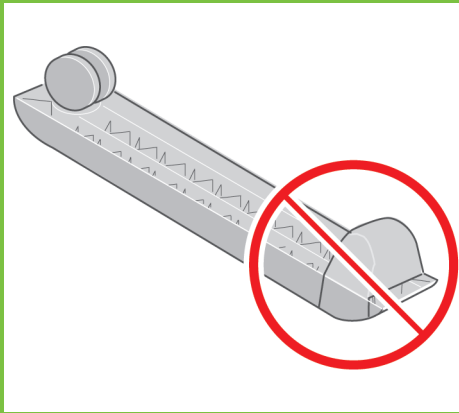
x2

15

Use four screws to attach the cross-bar to the legs.

 x4

16

Notice that there is anti-slip material around two of the wheels on the feet. **DO NOT REMOVE** this material yet.

17

Place a foot on the left leg. There are pins to help you correctly position the foot. Do not remove the anti-slip material from the wheel.
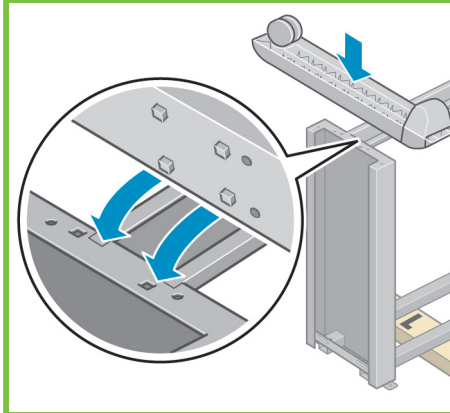
18

Use four screws to attach the foot to the left leg. Tighten each screw half-way, and then gradually tighten each screw completely.

 x4
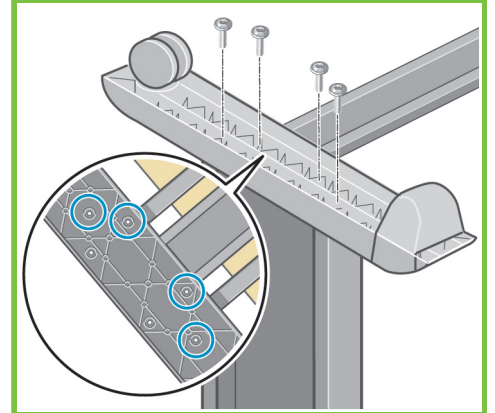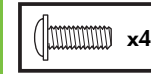
19

Position the other foot on the right leg. There are pins to help you correctly position the foot.
Do not remove the anti-slip material from the wheel.

20

Use four screws to attach the foot to the right leg. Tighten each screw half-way, and then gradually tighten each screw completely.

 x4

21

Roll the stand assembly into its upright position.

x2

22

Attach the left stand spacer to the top of the left leg. It will "click" into place.

x1
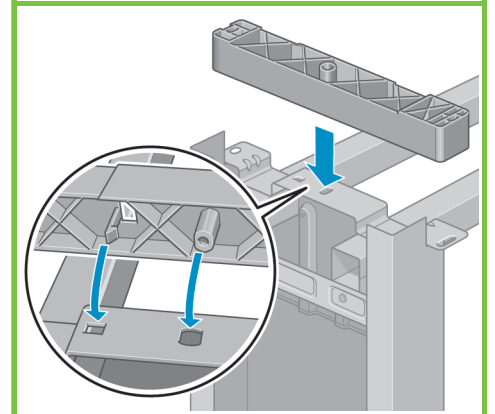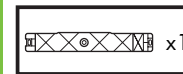
23

Attach the right stand spacer to the top of the right leg.
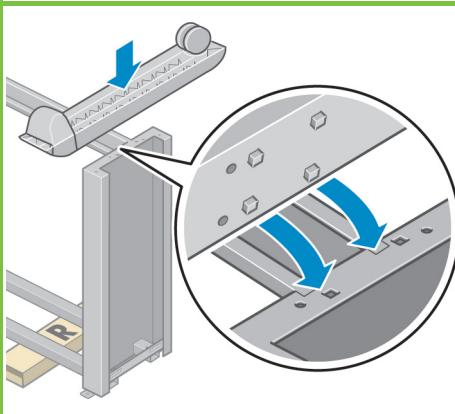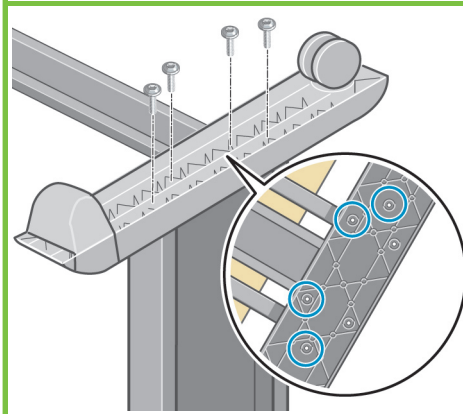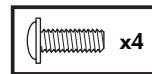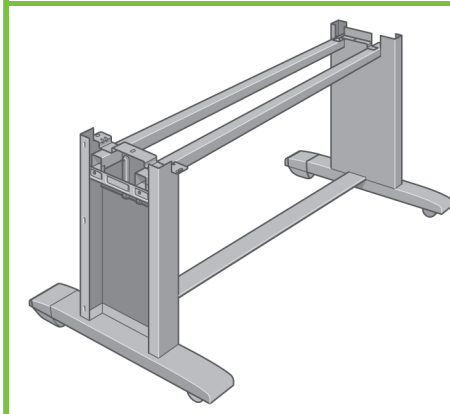
x1
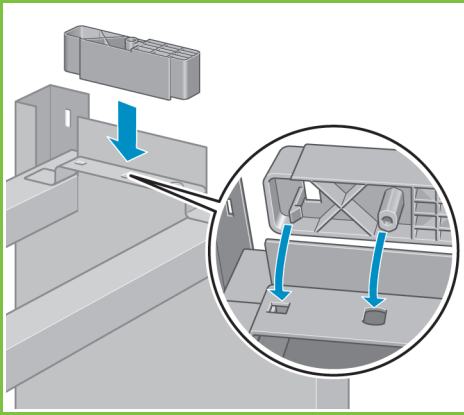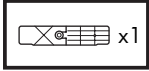
24

Position the left and right leg covers on the front of the legs (1), and then clip the rear edge (2) into place.
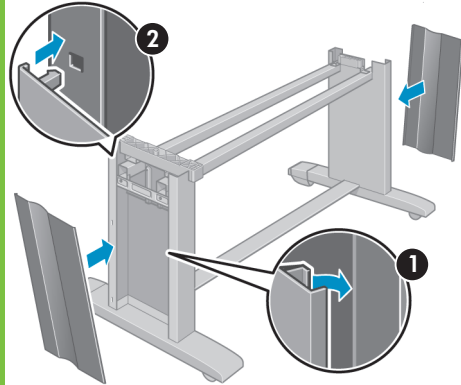
Attach the printer engine to the stand
Steps 25 to 37.

This task requires 4 people.
Time required is 15 minutes. 15' x4

Boxes required
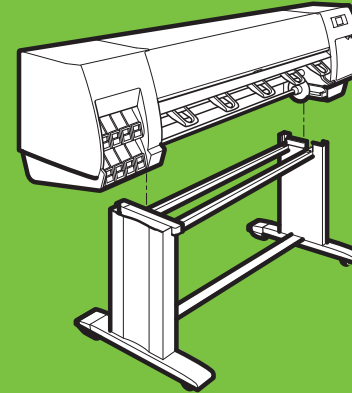
25

Remove the eight plastic handles, and then remove the box shown.

x8 x2
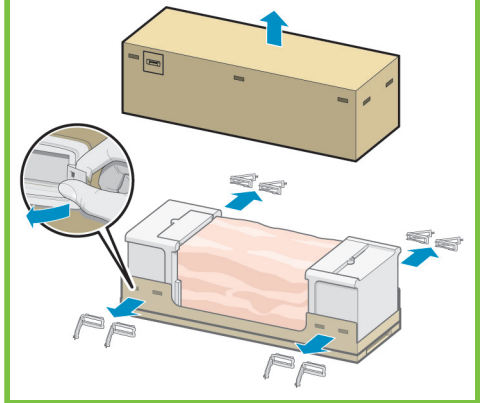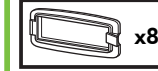
26

Remove the two packing pieces shown.
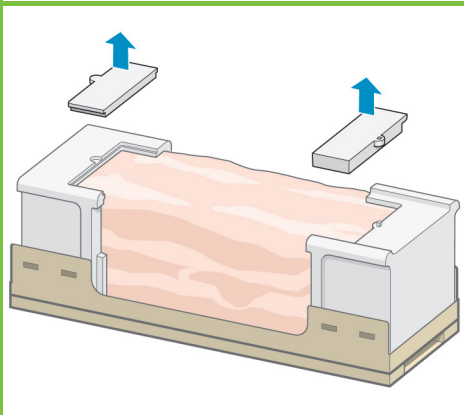
27

Pull open the protective plastic from the base of the printer (1), and then remove the two desiccant bags (2).
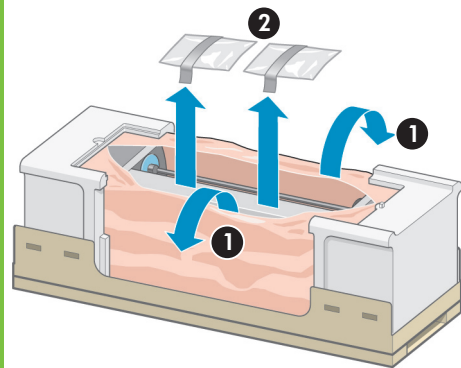
28

Lift the stand assembly onto the printer engine. **The anti-slip material should face the rear of the printer.**

x2
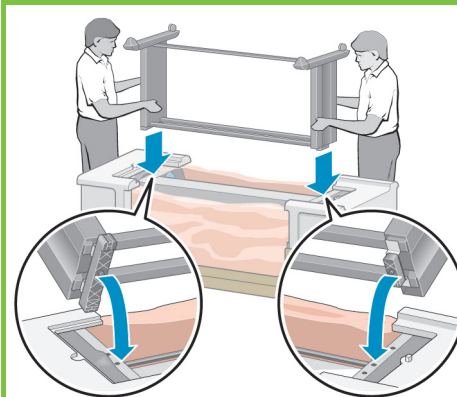
29

Use one screw to attach the right side of the stand to the printer engine. Make sure that the screw is fully tightened.

x1
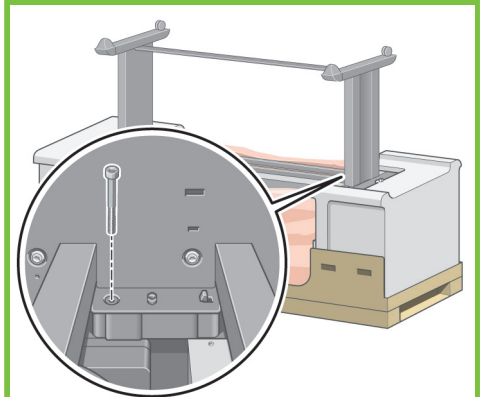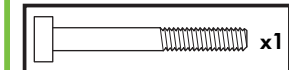
30

Use two screws to attach the left side of the stand to the printer. Make sure that the screws are fully tightened.

x2
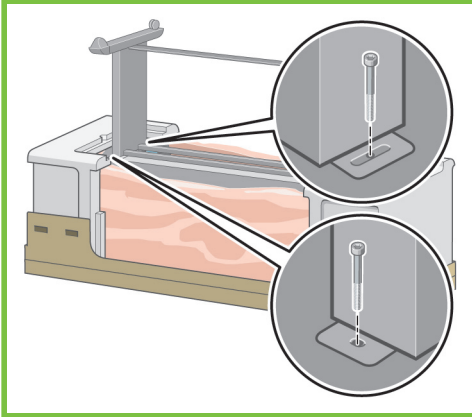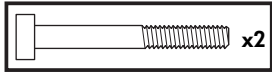
31

Place the spare box and the comsumables box against the rear of the printer box. The arrows on the boxes must point towards the printer box. **Make sure that the anti-slip material is attached to the two rear wheels.**
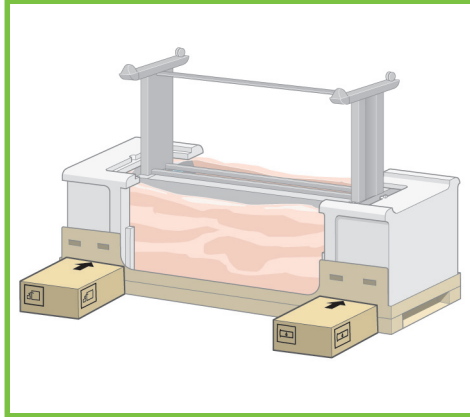
32

Rotate the printer onto the spare box and the consumables box. HP recommends four people to complete this task.

x4
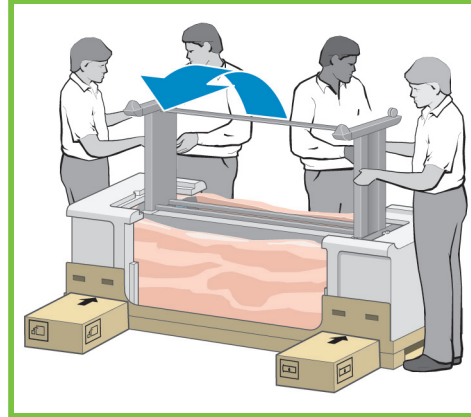
33

Rotate the printer until the back of the printer rests on the spare box and the consumables box, and the wheels with the anti-slip material touch the floor.

x4
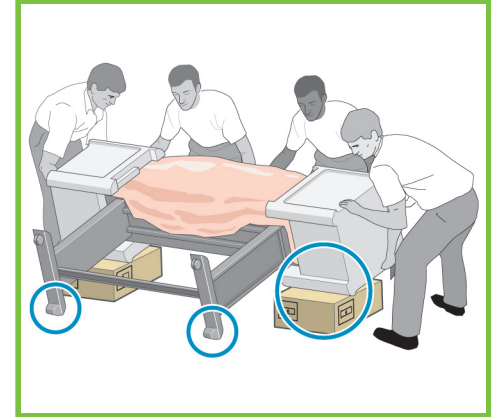
34

Remove the pallet before lifting the printer to its upright position.

x2
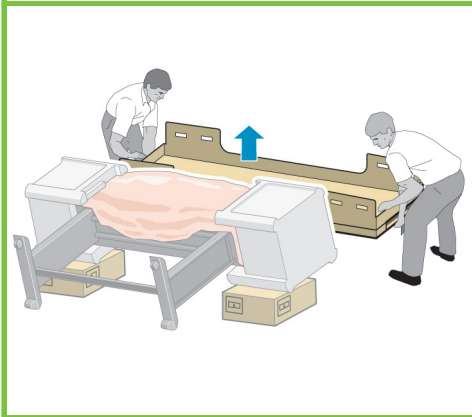
35

Use the hand holds at the rear of the printer engine to carefully lift the printer to its upright position. HP recommends four people to complete this task.

x4
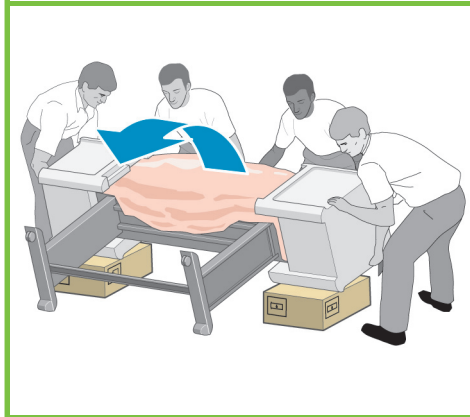
36

Remove the two foam end-packs, and then remove the plastic covering from the printer engine.

x2
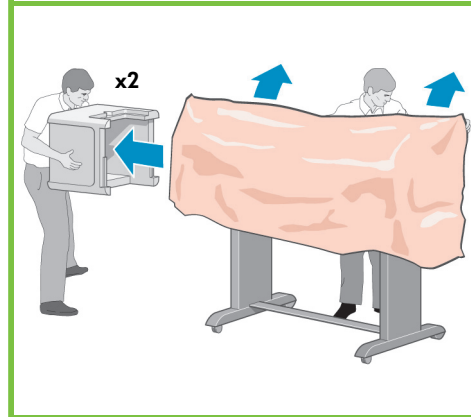
37

Remove the anti-slip material from the two rear wheels on the stand assembly.
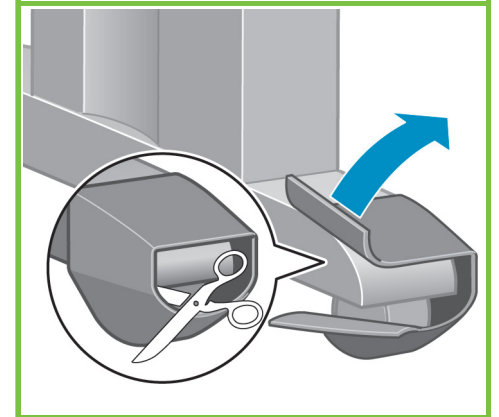
Assemble the take-up reel

Steps 38 to 68.

This task requires 1 person.
Time required is 35 minutes.

35' / x1

Boxes required
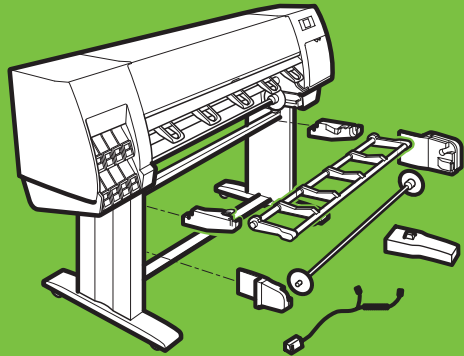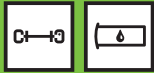
38

Identify the four holes on the inside of the right leg. The holes are used to attach the take-up reel motor.
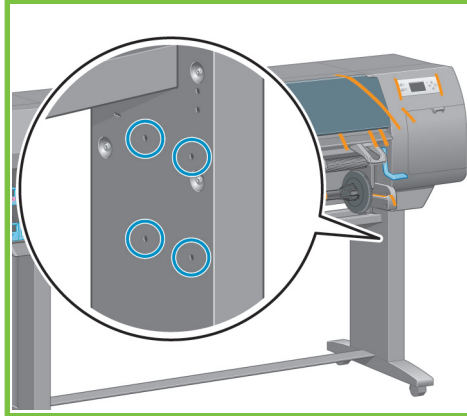
39

Locate the bag of screws that is included in the take-up reel box.
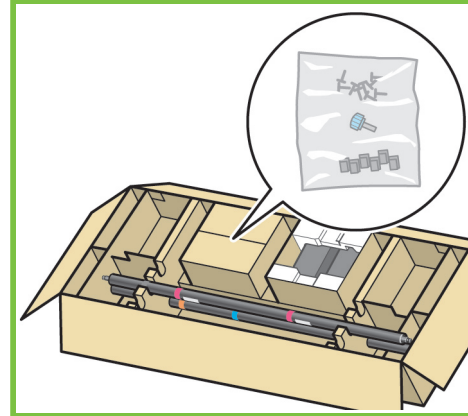
40

Insert two screws into the two forward holes. Leave sufficient space between the screw heads and the leg to attach the take-up reel motor.

x2
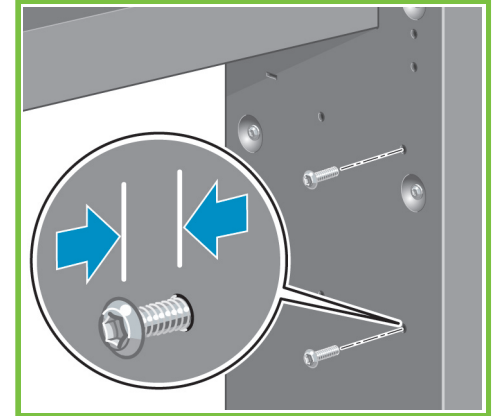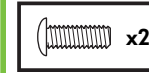
41

Attach the take-up reel motor to the two screws, and then pull the take-up reel motor down so that it rests securely on the screws.
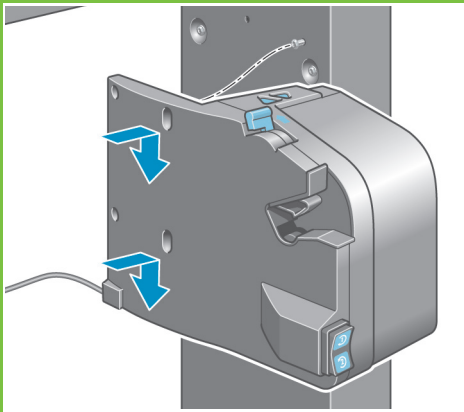
42

Use two screws to attach the rear of the take-up reel motor to the stand, and then tighten all four screws.

x2
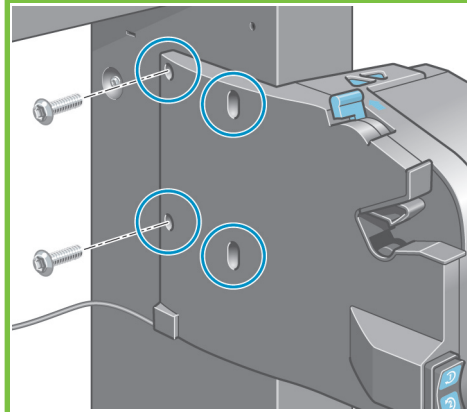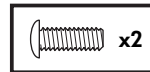
43

Use the parallel plug to connect the take-up reel motor to the parallel port at the rear of the printer.
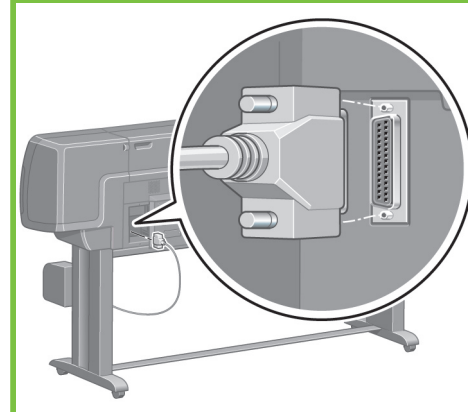
44

Identify the three holes on the inside of the left leg. The holes are used to attach the left side of the take-up reel assembly.
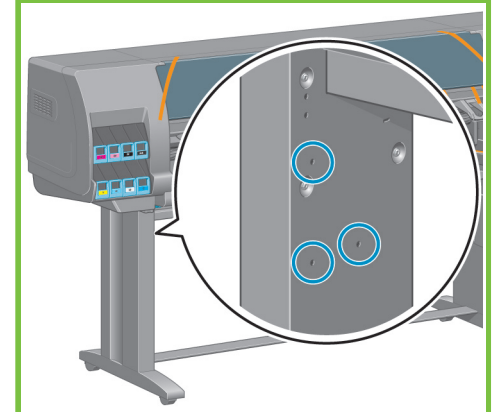
45

Insert two screws into the two forward holes. Leave sufficient space between the screw heads and the leg to attach the left side of the take-up reel assembly.

x2
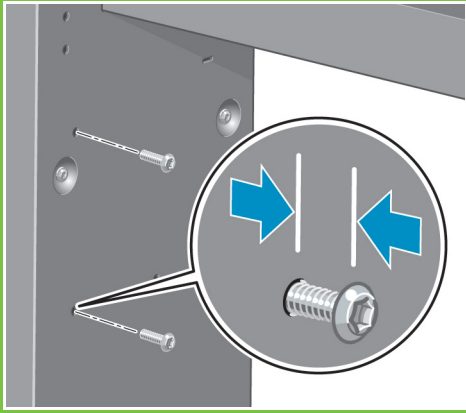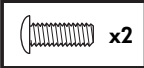
46

Attach the left side of the take-up reel assembly to the two screws, and then pull the take-up reel assembly down so that it rests securely on the screws.
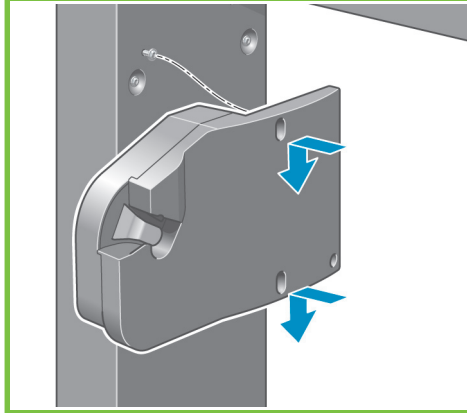
47

Use one screw to attach the rear of the left side assembly, and then tighten all three screws.

x1
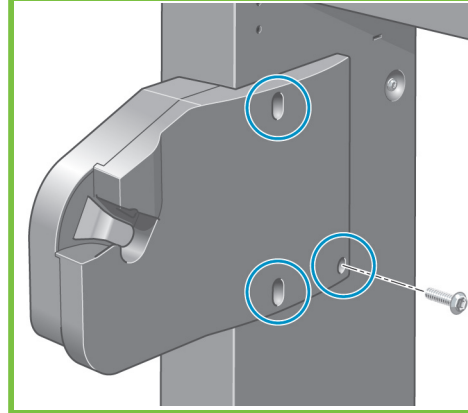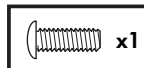
48

Use four screws to attach the take-up reel deflector supports.

x4   x2
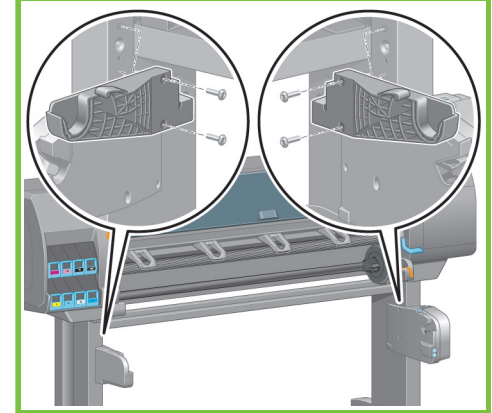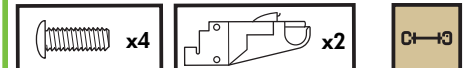
49

IMPORTANT

Move the printer to its final location.
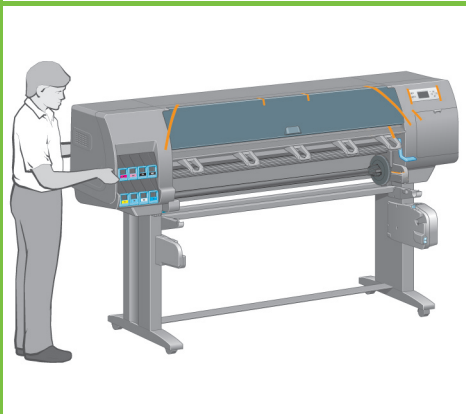
50

⚠ Move the front right wheel so that it faces forward (B), and then lock the wheel.

A   B
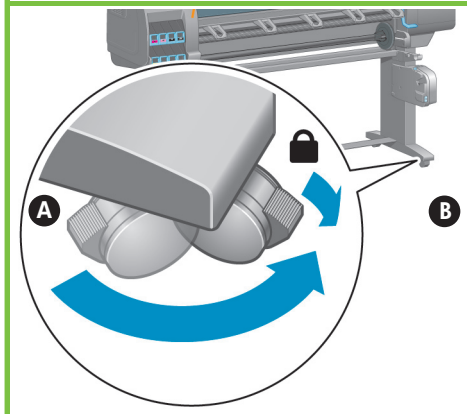
51

Slide the sensor unit onto the right foot, and then use the screw shown to attach the unit.

x1
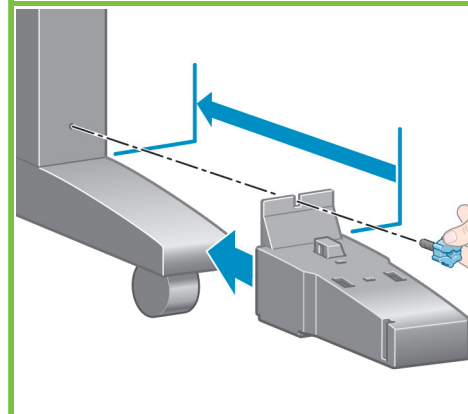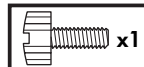
52

Attach the sensor unit onto the left side of the lower cross-brace.
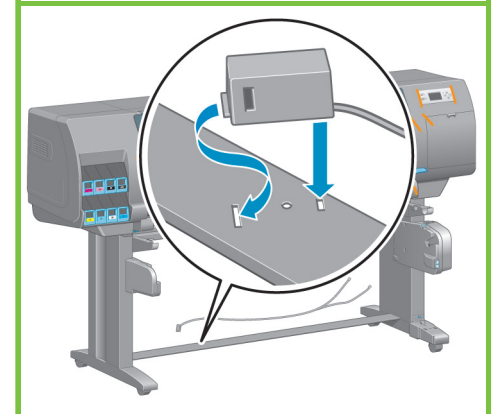
53

Connect the sensor cable to the rear of the take-up reel motor.
Connect the sensor cable to the sensor unit located on the right foot.
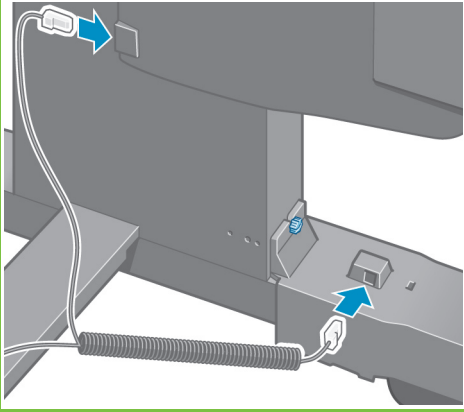
54

Use the clips provided to attach the sensor cable to the lower cross-brace.

x5
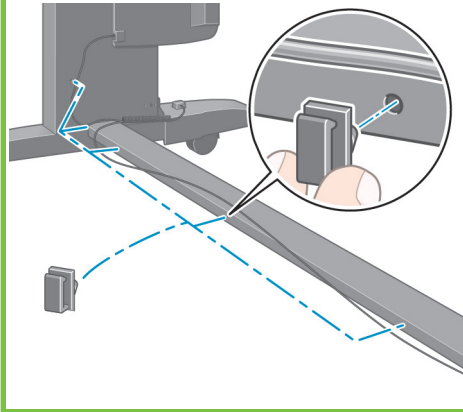
55

Remove the take-up reel deflector from the box.
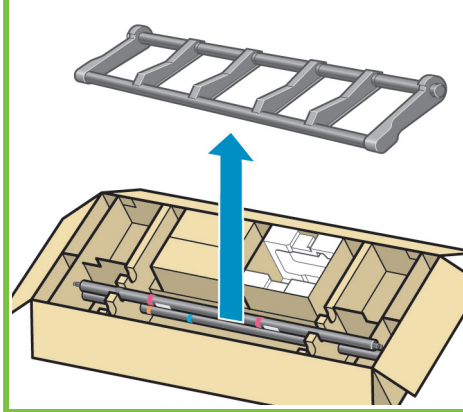
56

Attach the take-up reel deflector by inserting the left side of the deflector into the left deflector support, and then inserting the right side of the deflector into the right deflector support.
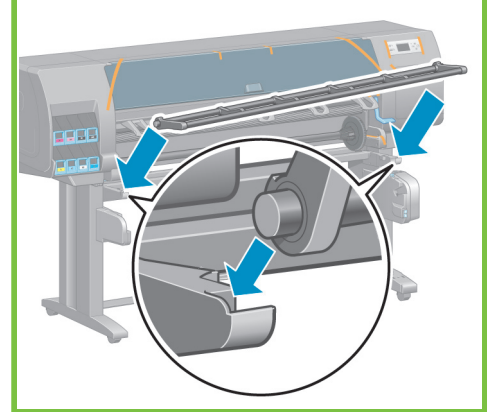
57

Carefully lift the central core tube. The central core tube contains the take-up reel spindle.
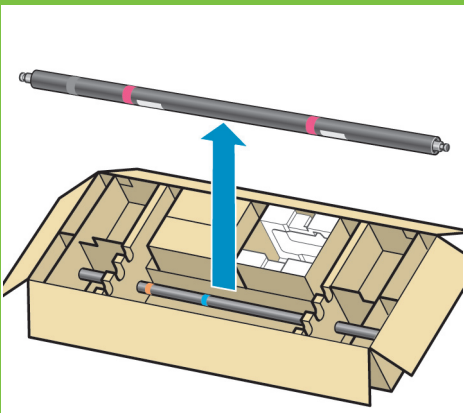
58

Remove the take-up reel spindle from the core.
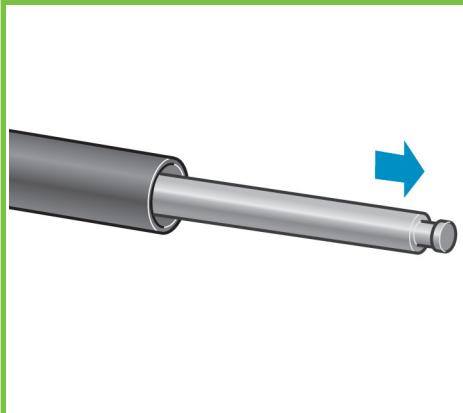
59

Remove the two take-up reel hubs.
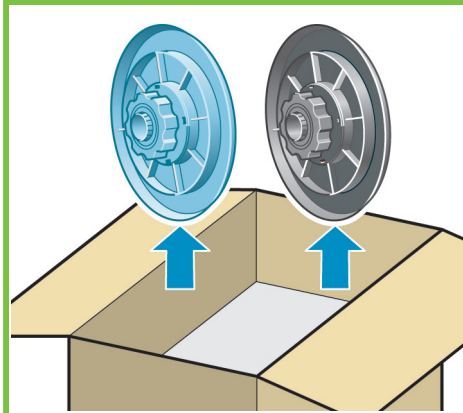
60

Loosen the plastic nut on the black hub.
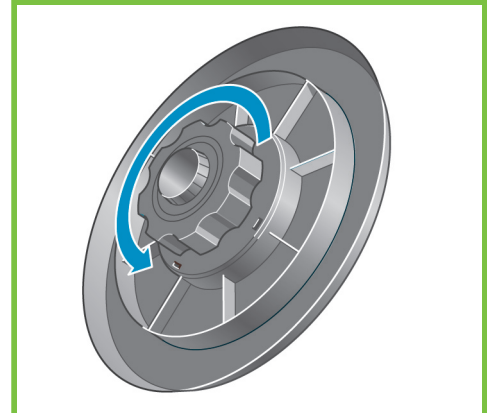
61

Slide the black hub onto the spindle so that the screw on the spindle fits into the slot on the spindle hub.
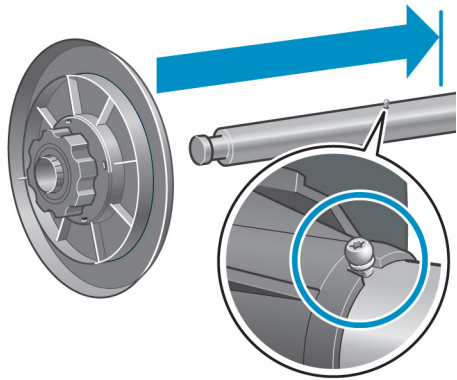
62

Tighten the plastic nut on the black hub.
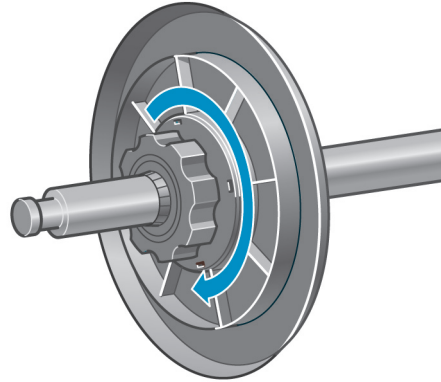
63

Loosen the plastic nut on the blue hub.
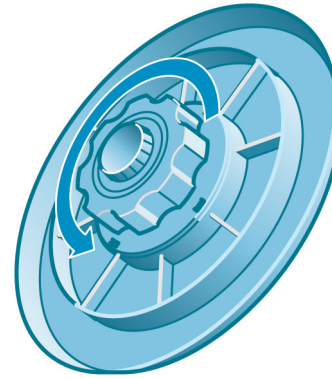
64

Slide the blue hub onto the spindle. Tighten the plastic nut on the blue hub.
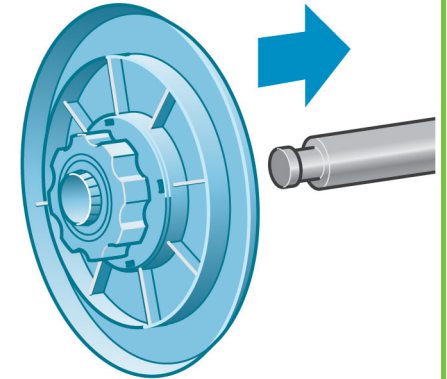
65

Raise the take-up reel deflector to its upright position.
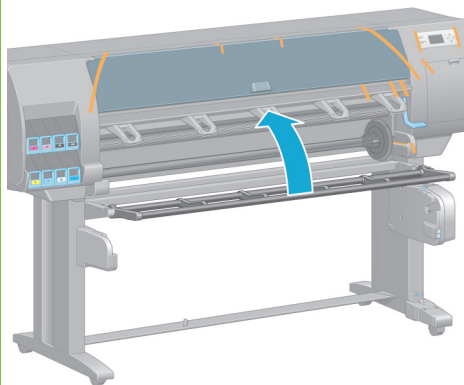
66

Unlock the take-up reel by pushing the spindle lever to its upper most position.
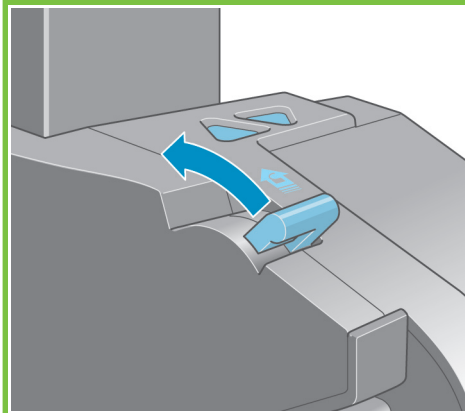
67

Load the take-up reel spindle into the printer by pushing firmly on each end of the spindle.
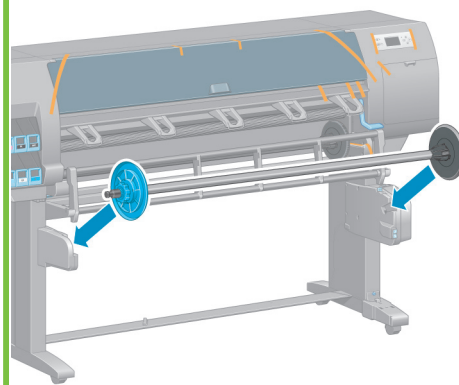
68

See the *HP Start-Up Kit* CD/DVD for information about how to use the take-up reel.
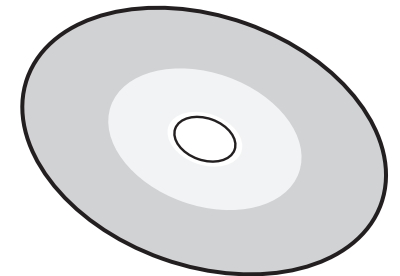
Unpack more components

Steps 69 to 74.

This task requires 1 person.
Time required is 5 minutes.

5' x1

Box required
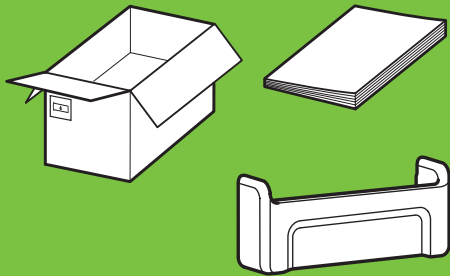
69

Remove the packing tapes marked 1 to 7 from the exterior of the printer, and then lower the take-up reel deflector.
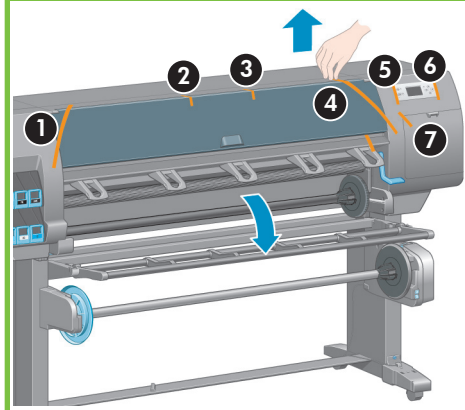
70

Open the printer window, and then remove the packing items 1 to 5 from the interior of the printer.
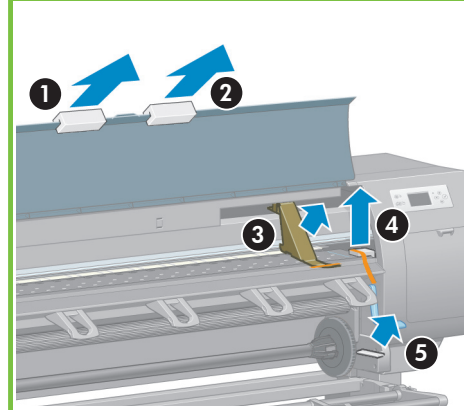
71

Remove the protective covering from the printer window and the front panel screen.
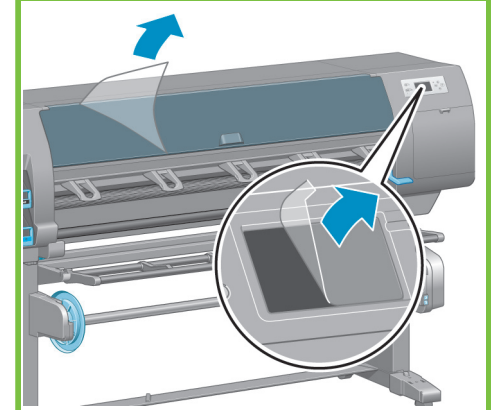
72

Remove the Quick Reference Guide holder from the supplies box.
Attach the Quick Reference Guide holder by angling the holder forward at the top (1), positioning the two hooks, and then ''clicking'' the lower part (2) to the rear of the printer.
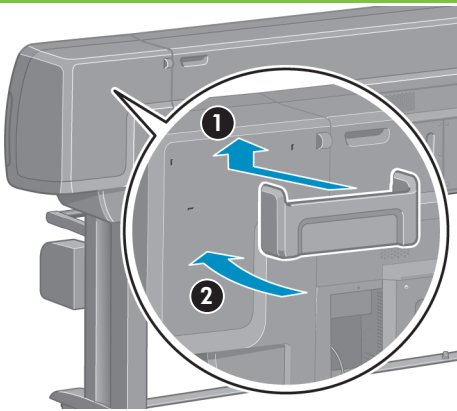
73

Plug the Gigabit Ethernet cable into the Gigabit Ethernet connection.
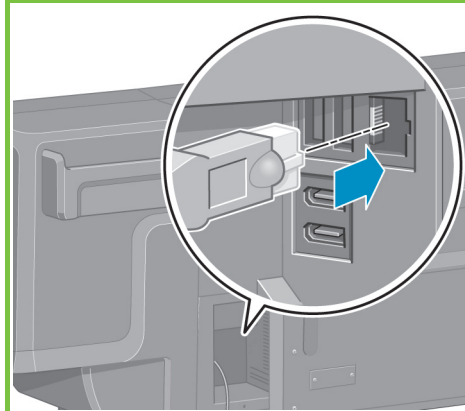
74

Pass the Gigabit Ethernet cable through the hook at the rear of the printer.
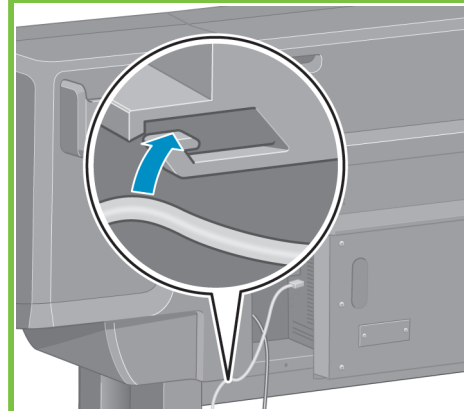
Install the ink supplies

Steps 75 to 103.

This task requires 1 person.
Time required is 40 minutes.

40' x1

Boxes required
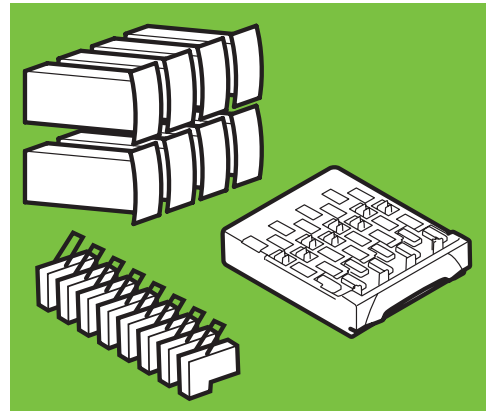
75

Plug the power cable into the rear of the printer, and then plug the other end into the AC power outlet.
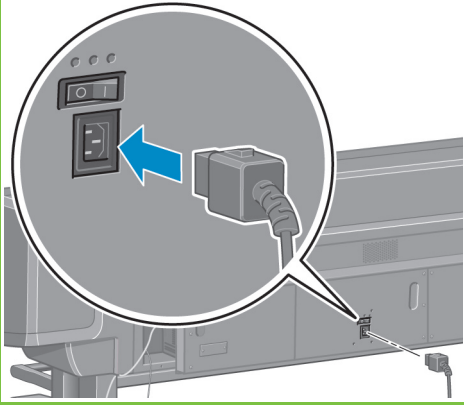
76

Turn the Power switch to the On position at the rear of the printer.
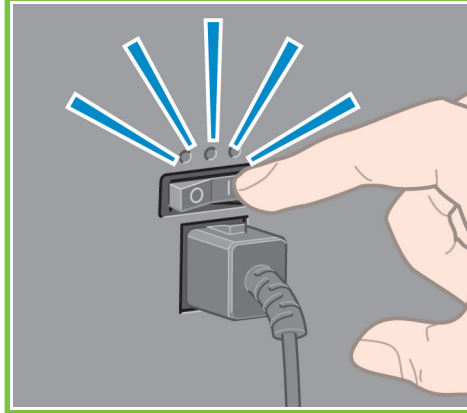
77

If the power light on the front panel remains off, press the Power button to switch on the printer.
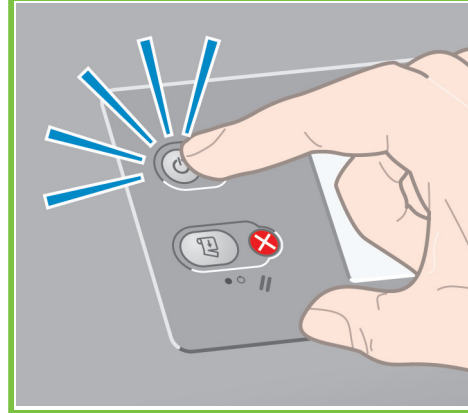
78

Wait until this message appears on the front panel (~1 minute). Use the Up and Down buttons to highlight the language you want, and then press the OK button.

Language
☐ English
☐ Français
☐ Italiano
☐ Deutsch
☐ Español
☐ Português
☐ 日本語
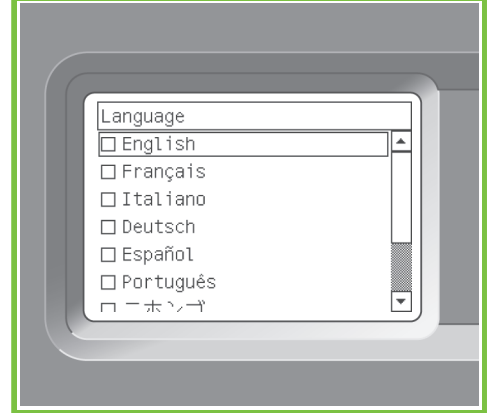
79

Wait until this message appears. The front panel guides you through the procedures for inserting the ink supplies.

Install ink cartridges for ink system setup

M   LM   PK   MK

Y   LC   LG   C
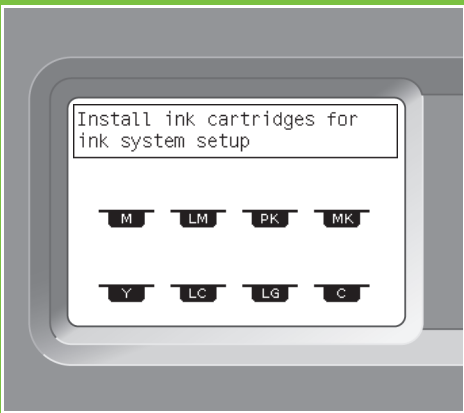
80

To release the ink cartridge drawer, gently pull down on the blue handle, and then slide out the ink cartridge drawer.
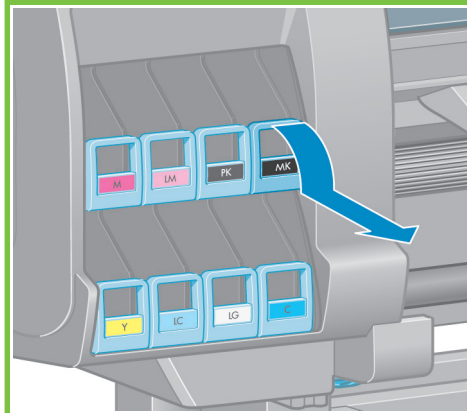
81

Shake the ink cartridge vigorously for about 15 seconds. Be careful not to strike it against any surface because this can damage the cartridge.

82

Place the ink cartridge in the ink cartridge drawer. The arrow on the front of the ink cartridge should point upwards.
Note that there are marks on the drawer to show the correct location to place the cartridge.
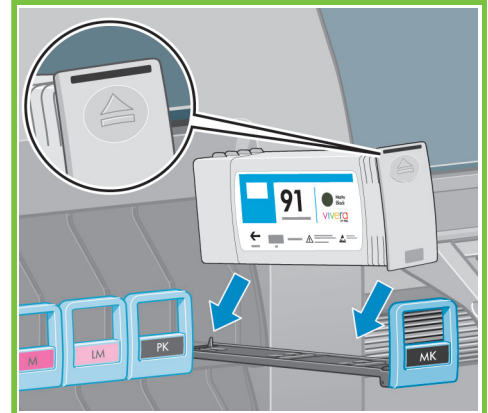
83

Push the ink cartridge drawer back into the printer until the drawer locks into position.
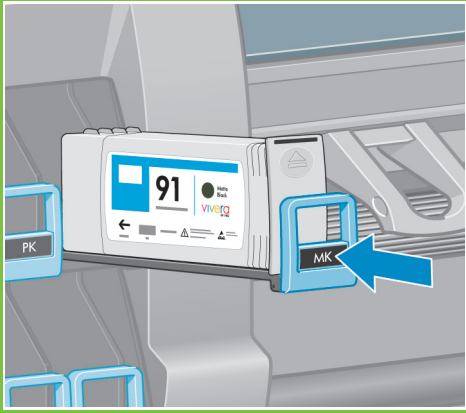
84

The printer "beeps" when the cartridge is correctly installed.

85

Follow the same instructions to insert the other seven ink cartridges.
Press the OK button.

86

Wait until this message appears on the front panel.

2'

Open right door to install the maintenance cartridge
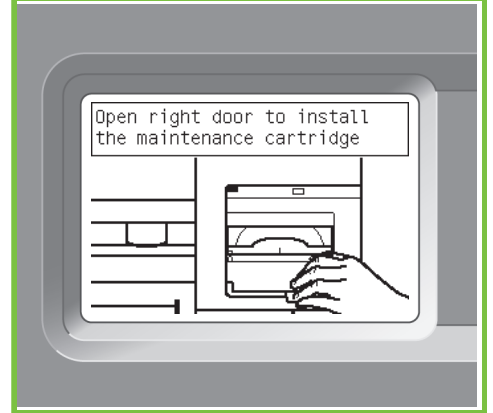
87

Pull open the maintenance cartridge door, which is located on the right side of the printer.
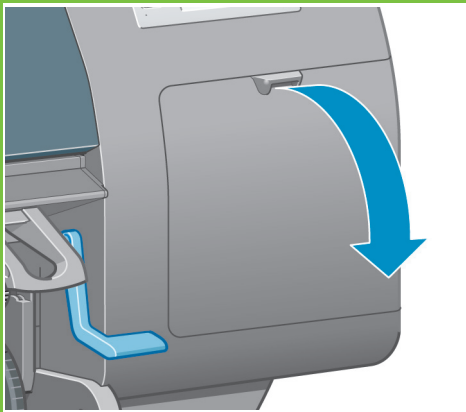
88

Remove the transparent shipping tray.
Insert the maintenance cartridge, pushing it in and down until it clicks into place, and then close the maintenance cartridge door.
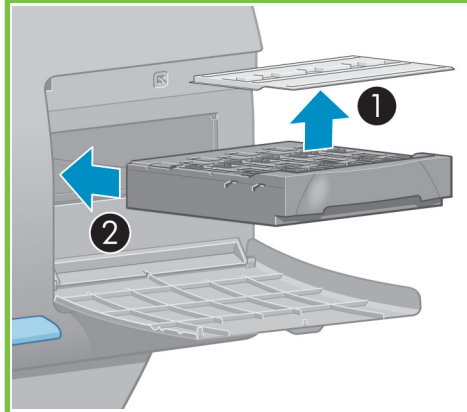
89

Wait until this message appears on the front panel (about 1 minute).

1'

Open window to access print-heads or press ✖ to quit
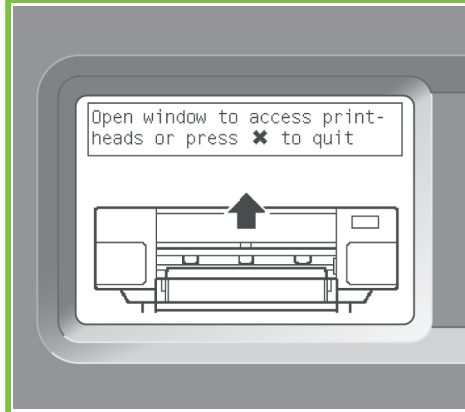
90

Open the printer window, and then remove the packing foam from the top of the printhead carriage.
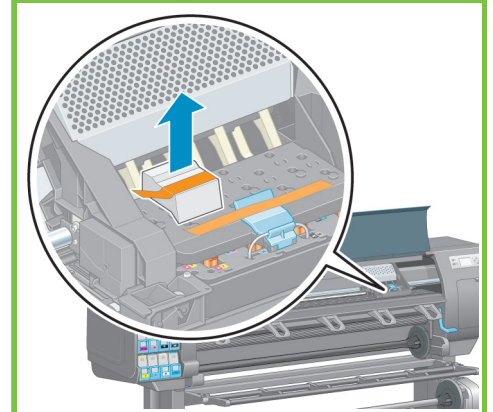
91

Remove the packing tape that is holding down the printhead carriage latch.
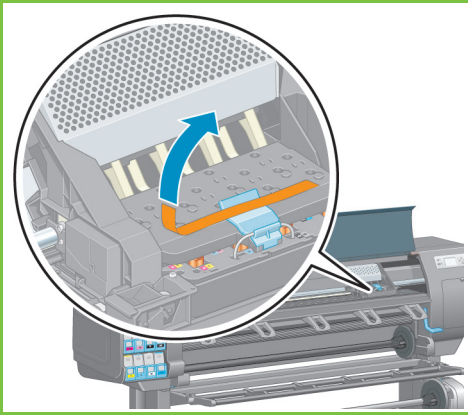
92

Pull up and release the blue latch on top of the carriage assembly.
Lift the blue latch to open the printhead cover.
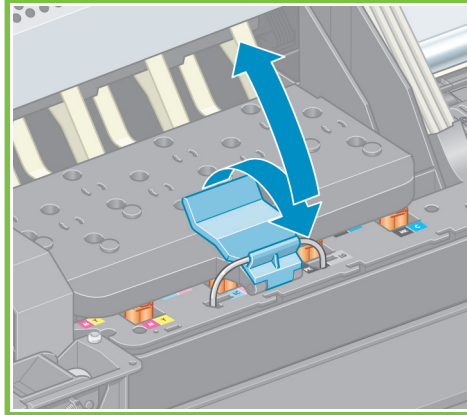
93

Before removing the setup printheads, look at each printhead and verify that each printhead contains ink.
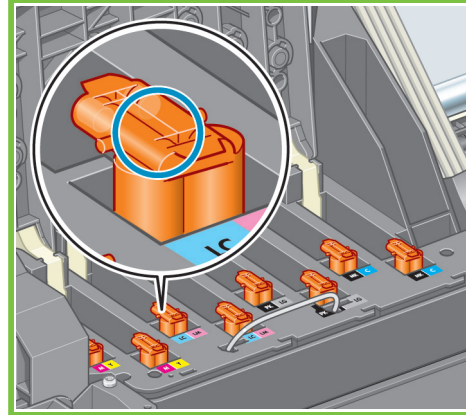
94

Remove all of the setup printheads.
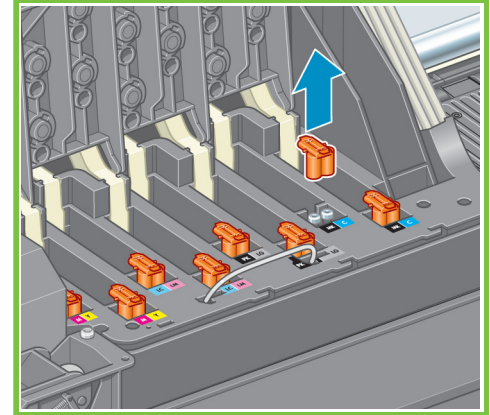
95

Shake the printhead vigorously for about 15 second. Be careful not to strike it against any surface because this can damage the printhead.
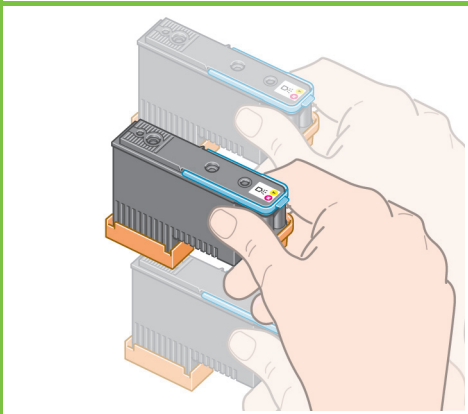
96

Remove the two protective covers on the new printhead.
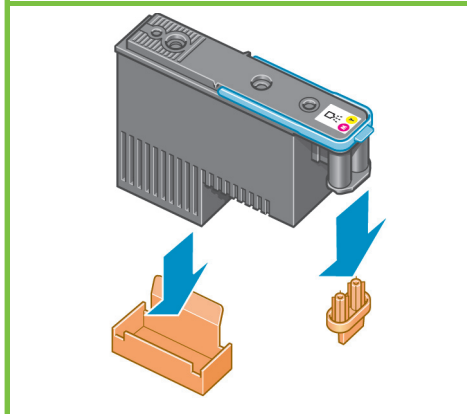
97

Lower all of the printheads vertically into their correct positions. The printer "beeps" when each printhead is correctly inserted.
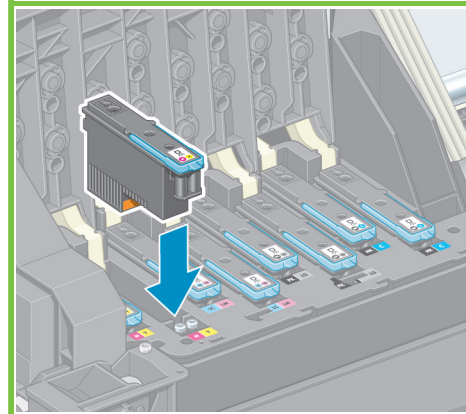
98

Make sure that the printheads are correctly seated. When all of the printheads are inserted, the front panel prompts you to "Close printhead cover and window".

99
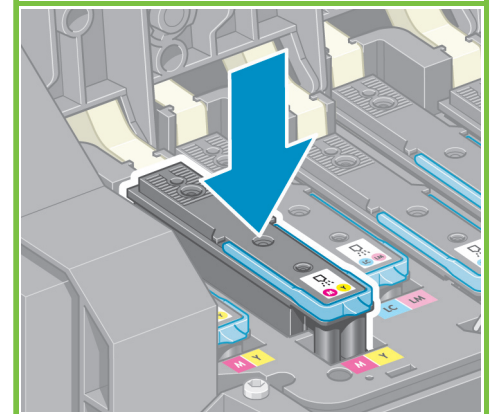
If a "Reseat" message appears on the front panel, check that all of the protective tape has been removed, and then firmly reseat the printheads. If the problem persists, refer to the *HP Start-Up Kit* CD/DVD.
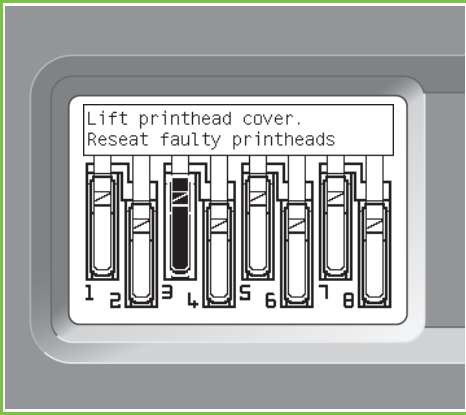
100

Close the carriage assembly cover.
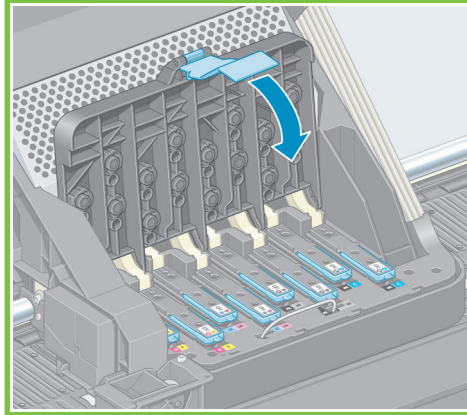
101

Lower and lock the blue latch.
Make sure that the blue latch is correctly engaged, and then lower the latch.
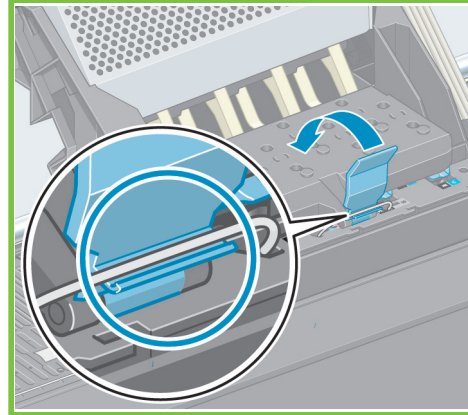
102

Close the printer window.
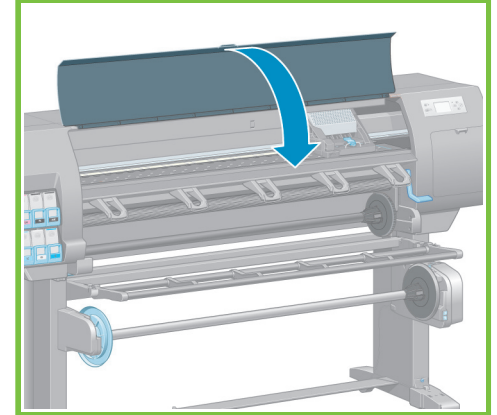
103

Wait until the **Ready for paper** message appears on the front panel.

Load the paper

Steps 104 to 128

This task requires 1 person.
Time required is 25 minutes.

Box required
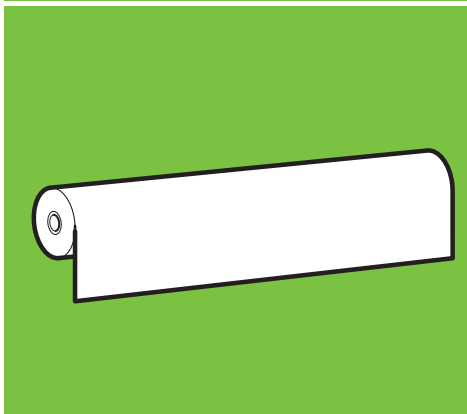
104

Place one of the two rolls of paper that came with your printer in the middle of the take-up reel deflector.
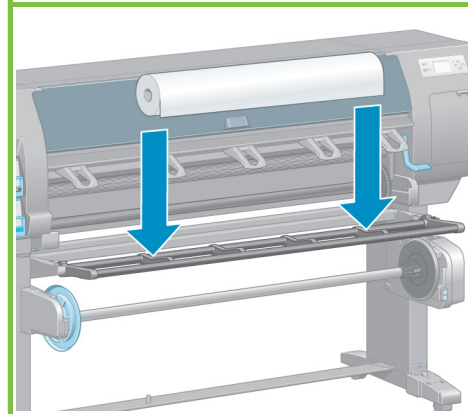
105

Remove the spindle from the printer.
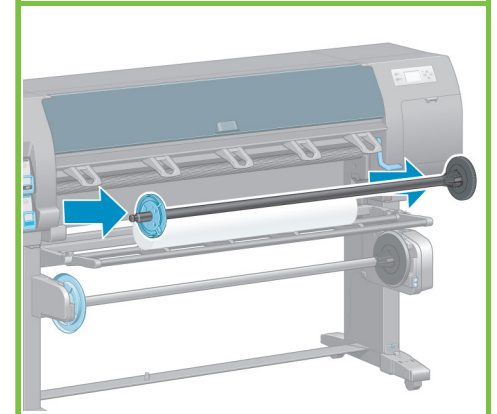
106

Unlock and remove the blue hub from the left end of the spindle. Keep the spindle horizontal.
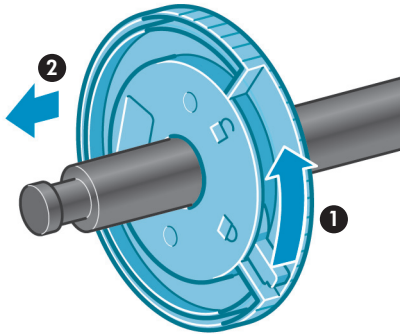
107

Place one of the two rolls of paper that came with your printer in the middle of the take-up reel deflector.
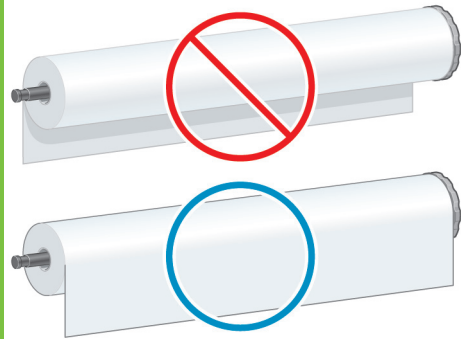
108

Make sure that the black hub on the right side of the spindle is fully inserted into the roll of paper. (No gap should exist between the spindle hub and the roll.)
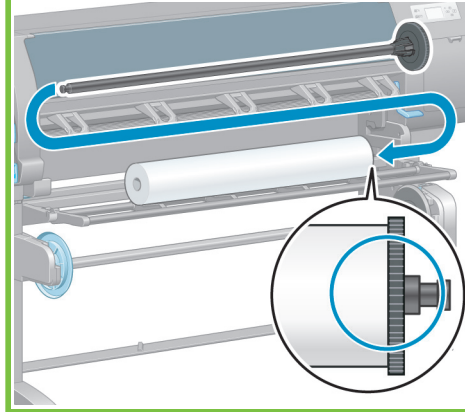
109

Slide the blue hub onto the spindle. Make sure that the blue hub is fully inserted into the roll of paper (no gap should exist between the hub and the roll), and then lock the hub.
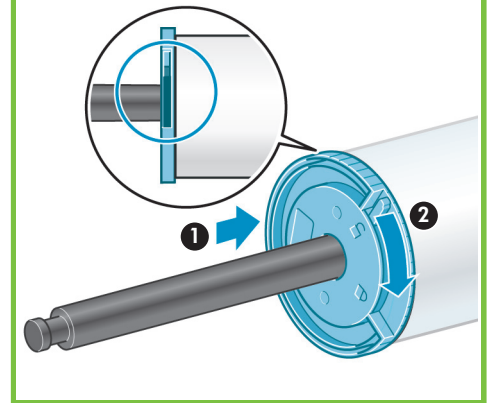
110

With the blue hub on the left, lower the spindle into the printer.
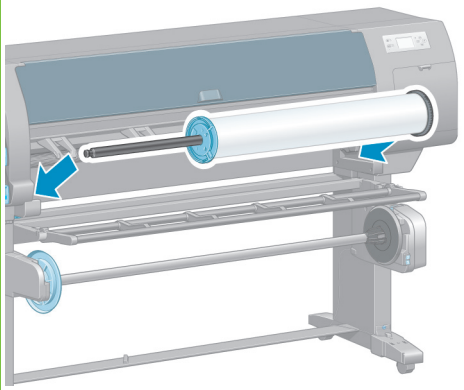
111

From the front panel, select the paper icon and then press the OK button.

Ready for paper

No paper loaded
Press OK to enter Paper menu
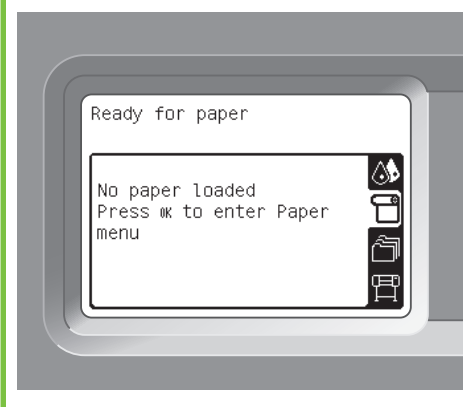
112

Select **Load roll** and then press the OK button.

Paper load
► Load roll
► Learn how to load spindle
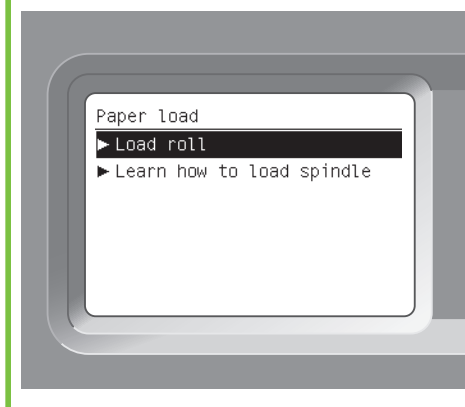
113

Wait until this message appears on the front panel.

Open window
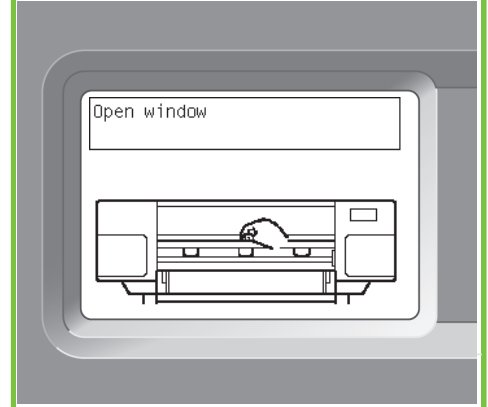
114

Open the printer window.
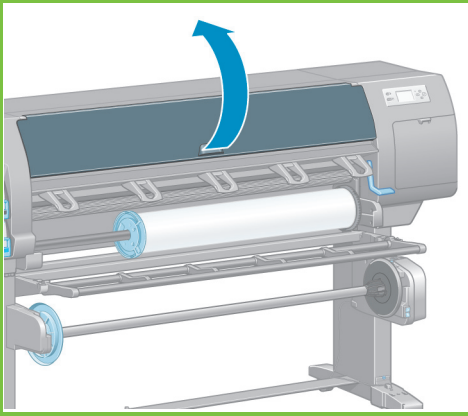
115

Lift the paper-load lever.
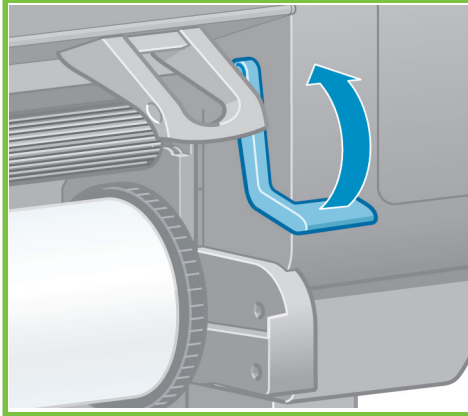
116

Pull out approximately 1m (3 feet) of paper to avoid back tension on the spindle, which can cause difficulties when loading the paper into the printer.

1m (3ft)
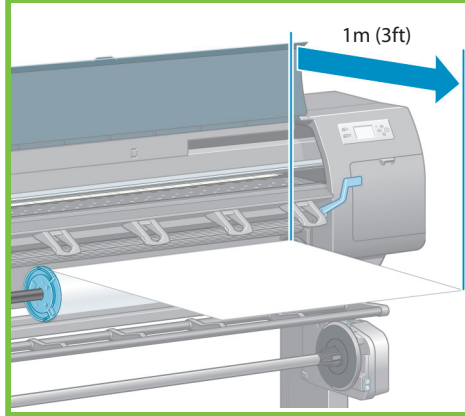
117

Insert the lead-edge of the paper into the printer, above the black roller.
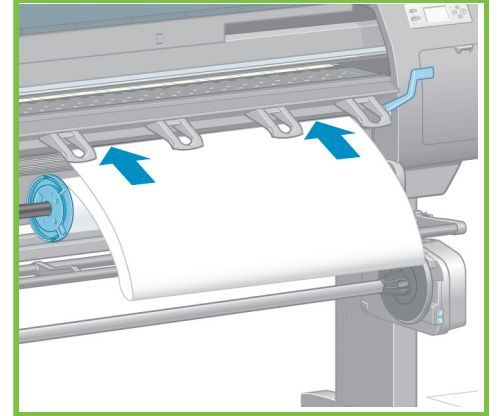
118

Wait until the paper emerges from the printer as shown.
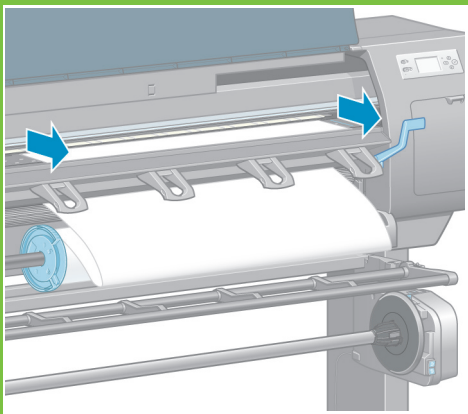
119

Make sure that the paper is aligned with the blue line and the semicircle on the platen.
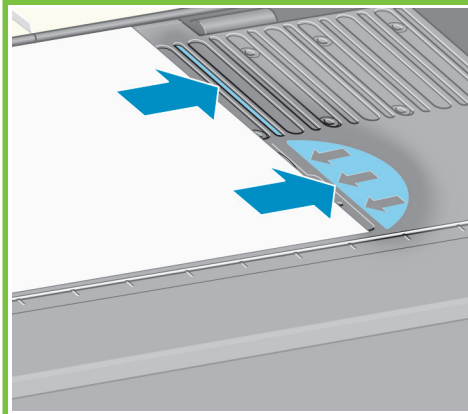
120

Lower the paper-load lever.

121

Wait until this message appears on the front panel.
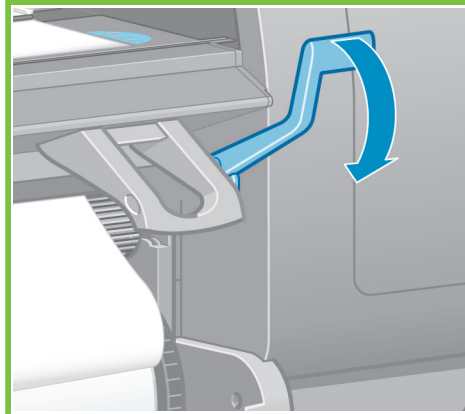
Wind excess paper onto roll.
Close window to continue
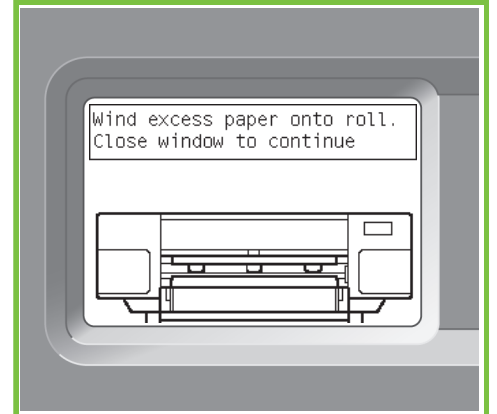
122

Use the hubs to wind the excess paper onto the spindle.
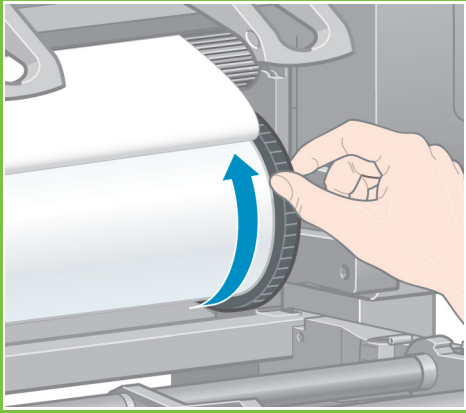
123

Lower the printer window.
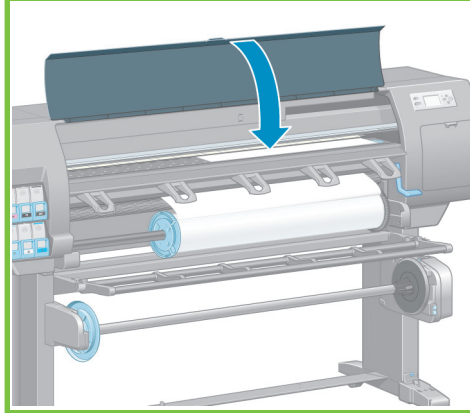
124

Press the OK button when this message appears on the front panel.

```
Loading roll
Wind any excess paper onto
roll to ensure image quality
when printing.

Press OK to continue
```
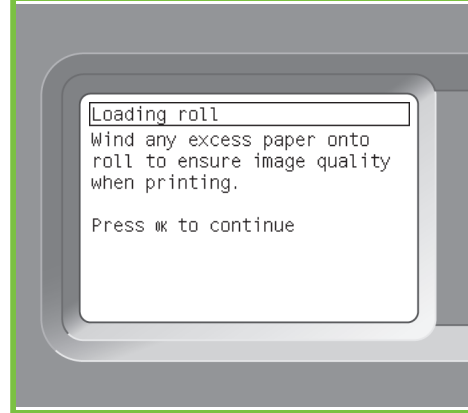
125

Use the hubs to wind the excess paper onto the spindle.
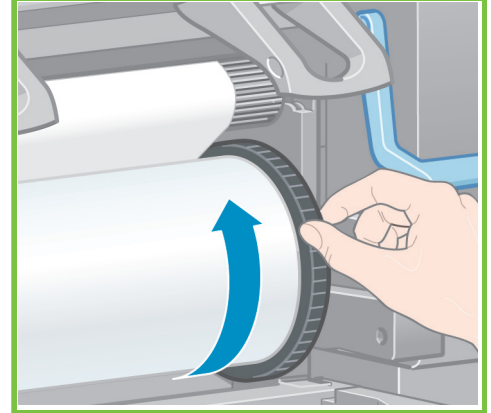
126

Confirm the paper type and paper length of the roll that you loaded into the printer. This information is included on the packaging label.
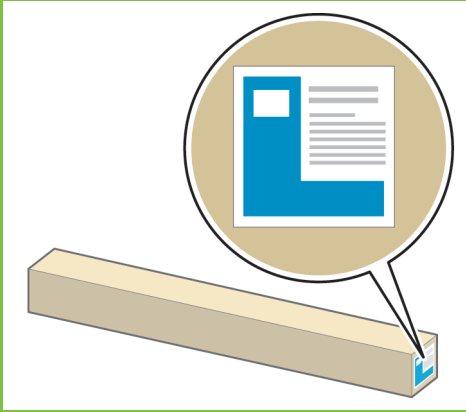
127

On the front panel, select the paper type and paper length of the roll that you loaded into the printer, and then press the OK button.

```
Paper types list
⊞ Bond and Coated Paper
⊞ Photo Paper
⊞ Proofing Paper
⊞ Fine Art Material
⊞ Film
⊞ Technical Paper
⊞ Backlit material
```
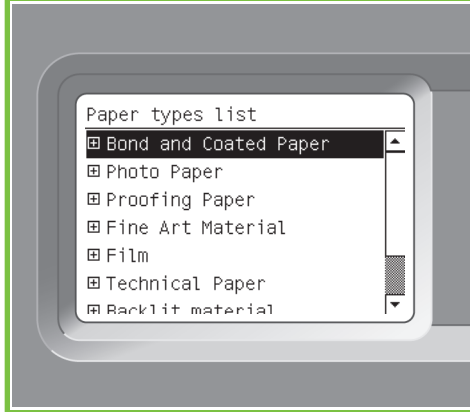
128

The printer automatically aligns the printheads and performs a color calibration for the paper that you loaded into the printer. During the process, the printer advances the paper up to 3 m (~10 feet) before printing.

20'

Macintosh users must wait for the printhead alignment.

Windows users can proceed with software installation.

20'

Please do not try to stop the paper advance; it is necessary to ensure successful printhead alignment.

The alignment and calibration process will take about twenty minutes; while it is taking place, you can proceed to the next step.

Install the software

This task requires 1 person.
Time required is 15 minutes.

15' x1
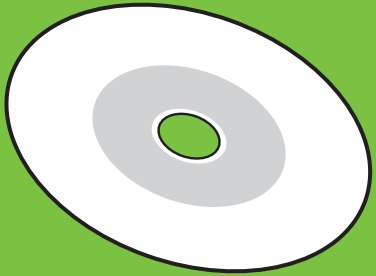
Box required

The assembly of your printer is complete. The following pages describe how to configure your computer for successful printing.

Mac OS   page 20

Windows   page 21

Mac OS

Set up and connect your printer

Box required
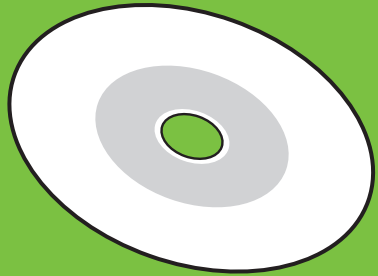
1. Set up and connect your printer (Mac OS X)

Network connection (Bonjour/Rendezvous).

1. Make sure that the printer is turned on and connected to a functioning Ethernet network, and that all of the computers in the network are turned on and connected (including hubs and routers).

2. On the printer's front panel, select the ⊞ icon, select **Connectivity**, **Gigabit Ethernet**, and then select **View configuration**. Note the mDNS service name that appears on the front panel.

3. Insert the HP Start-Up Kit CD/DVD into your CD/DVD drive, double-click the CD/DVD icon on your screen, and then look for the 'Mac OS X HP Designjet Installer' icon.
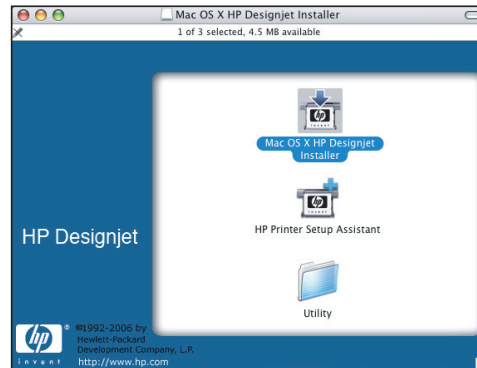
4. Double-click the appropriate icon to launch the installer, and then follow the on-screen instructions. Note: HP recommends that you use the **Easy Install** option.
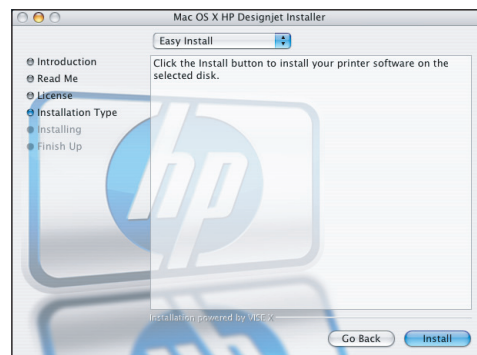
5. When the software has been installed, the HP Printer Setup Assistant starts automatically to help you set up a connection to your printer. Follow the onscreen instructions.
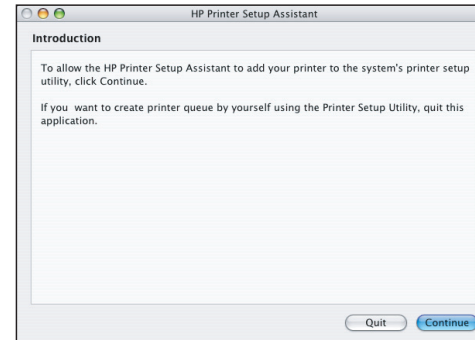
6. In the HP Printer Setup Assistant, click the Continue botton.

7. In the list of printers that appears, select a line that contains the mDNS service name of your printer in the Printer Name column, and 'Bonjour/Rendezvous' in the Connection Type column. Scroll sideways if necessary to see the Connection Type column.
 • If your printer appears in the list, click the Continue button and proceed to step 8.
 • If your printer does not appear in the list, proceed to step 10.

8. The following screen displays information about the installation of your printer. If necessary, rename your printer and then click the Continue button.
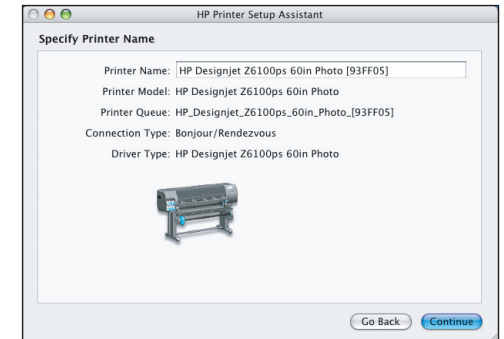
9. Continue following the onscreen instructions. When you reach the Printer Queue Created screen, click the **Quit** to exit, or click the **Create New Queue** if you want to connect another printer to the network.

10. Select **My printer is not on the list** and click the Continue button.

11. Select the connection type.

12. Follow the onscreen instructions that guide you through the process of connecting your printer to the network, and then click the **Quit** button to close the assistant window.

Windows

Set up and connect your printer

Box required
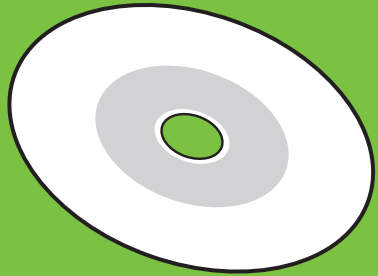
1. Set up and connect your printer (Windows)

Network connection
A network connection is the best way to share your printer with your team.

1. Make sure that the printer and the computer are turned on and connected to the network.

2. Make a note of the printer's IP address, shown on the front panel's Ready screen.

3. Insert the HP Start-up Kit CD/DVD into your CD/DVD drive. If the CD/DVD does not start automatically, run the START.EXE program in the root folder of the CD/DVD.

4. Click the Install button.

5. Follow the onscreen instructions to set up the printer. The following notes help you understand the screens and make appropriate choices.

• When asked how the printer is connected, select **Wired Networking**.
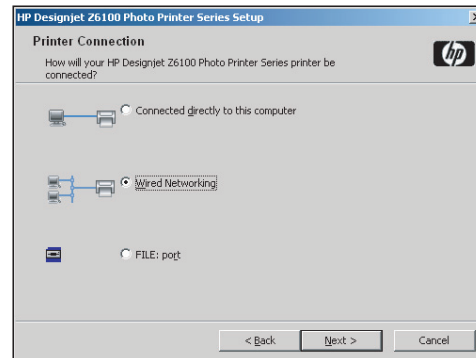
• Select your printer from the list. If you have more than one HP Designjet Z6100 printer connected to the network, use the IP address that you noted earlier to confirm that you have selected the correct printer.
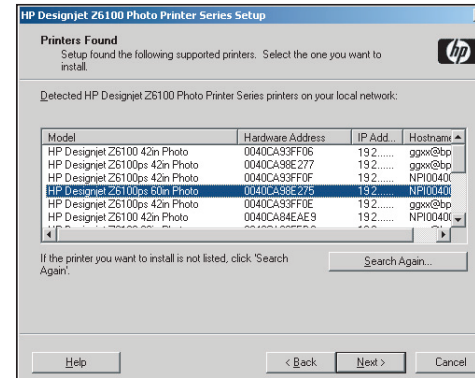
• Verify that the network settings are correct for the printer that you selected.

HP Color Center
HP Advanced Profiling Solution

HP Color Center

HP Color Center provides in one place the main facilities you need for color management. You can create accurate color prints by using the Color Center to calibrate the printer, create and install custom ICC color profiles, and manage the numerous paper types available for your printer.

To use HP Color Center, you must first install it. Follow the instructions in your product installation CD/DVD.

To access HP Color Center in Windows, double-click the following icon, which is on your computer desktop.

To access HP Color Center in Mac OS, double-click the following icon, which is on the dock.

HP also offers optional solutions that are specifically developed to meet the most demanding requirements of graphic designers and professional photographers.

HP Advanced Profiling Solution

HP and X-Rite have worked together to develop the HP Advanced Profiling Solution, powered by GretagMacbethTM techology, which takes advantage of the built-in HP Embedded Spectrophotometer to provide a revolutionary end-to-end calibrated ICC color workflow.
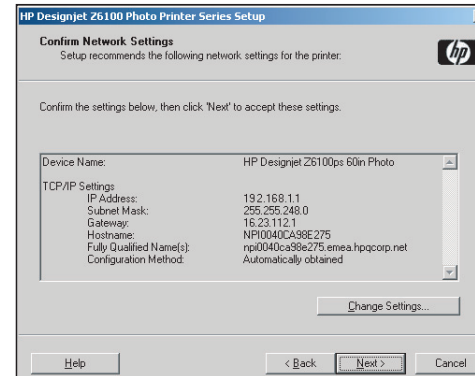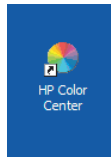
The HP Advanced Profiling Solution, tailored for HP printers, offers a powerful and automated, yet cost effective color management system with a fully streamlined workflow that allows you to avoid the cost, hassle, and delay of off-line measurement devices. Together, X-Rite and HP provide a new experience to designers, photographers and other creative professionals, whereby they can generate proofs and photo quality prints accurately and consistently.

The Advanced Profiling Solution includes:
- The HP Colorimeter monitor calibrator, with which you can accurately calibrate and profile all of your monitors: LCD, CRT, and laptops
- An ICC profiling and editing software program that provides additional features and functionality beyond those included in the HP Color Center.

Using the Advanced Profiling Solution, you can:
- See matching colors on your screen and printed paper.
- Generate color profiles for all your paper types,in RGB or CMYK.
- Edit your color profiles visually for maximum control.
- Perform all operations easily using a step-by-step software interface—no extra manuals are needed.

The HP Advanced Profiling Solution is fully supported by HP, so you do not need to deal with various support organizations from different companies.

Key Features

The HP Advanced Profiling Solution helps you take control of your colors:
- Calibrate and profile all of your monitors: LCD, CRT, and laptop.
- Perform an automated CMYK profiling through the HP software drivers to ensure accurate printing
- Perform an automated CMYK profiling when your printer is driven by a Raster Image Processor (RIP) for accurate digital prints and proofs.
- Edit your profiles easily and visually for ultimate color control."

Powered by