HT-4139 OCR Scanner on-site Installation Manual

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REVISION Control Table

REV	Date				Changes
0	10.03.24				Original

1. Scope

This manual is applied to the on-site installation of OCR scanner HT-4139.
The OCR scanner HT-4139 can be operated by connecting to the PC with the USB cable.

2. Tools and Parts

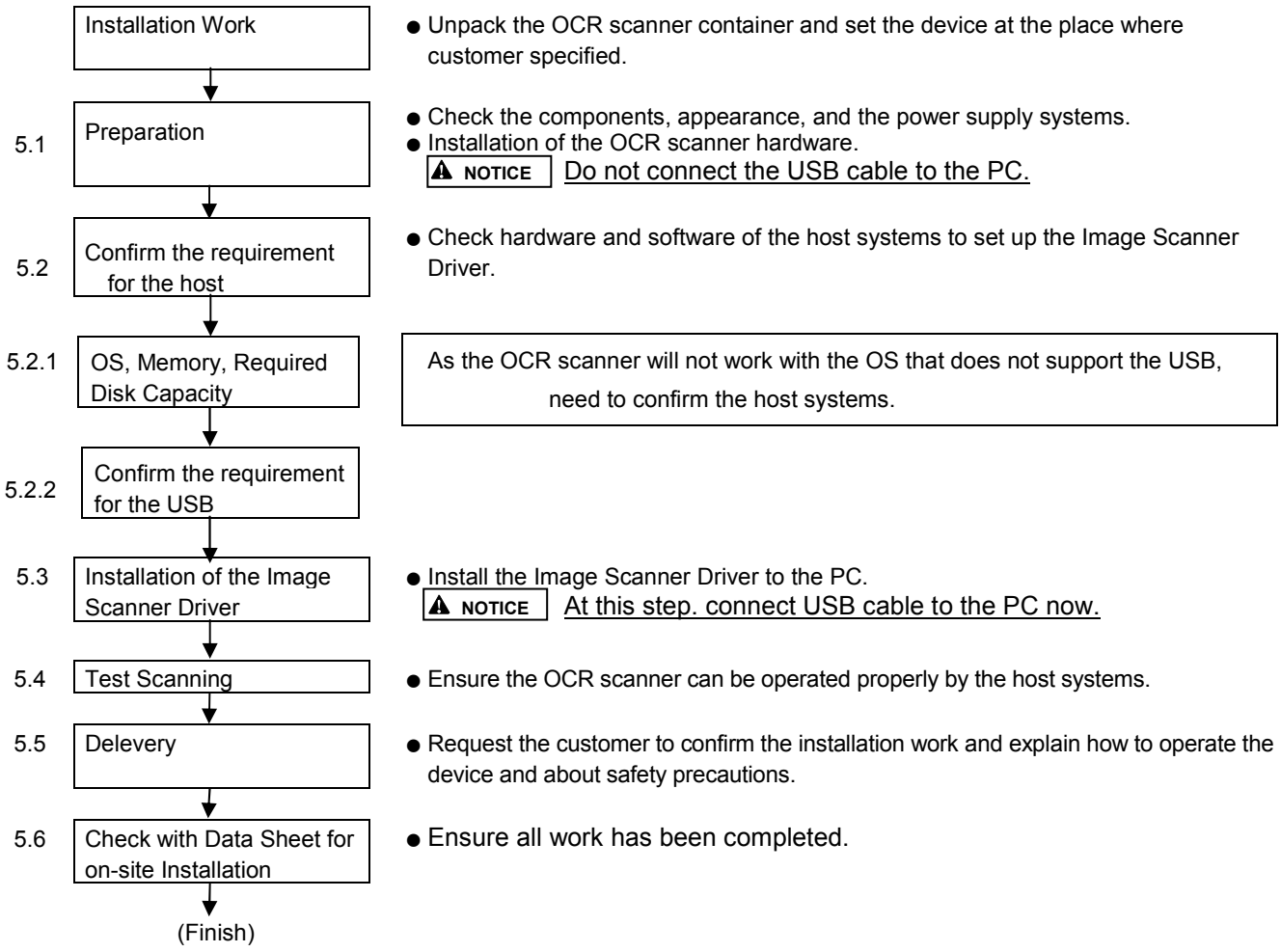
(1) Standard Tools
(2) Circuit Tester
(3) Ethanol, Gauze

3. Installation Time

About 60 minutes

4. Procedure

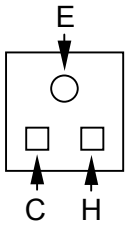
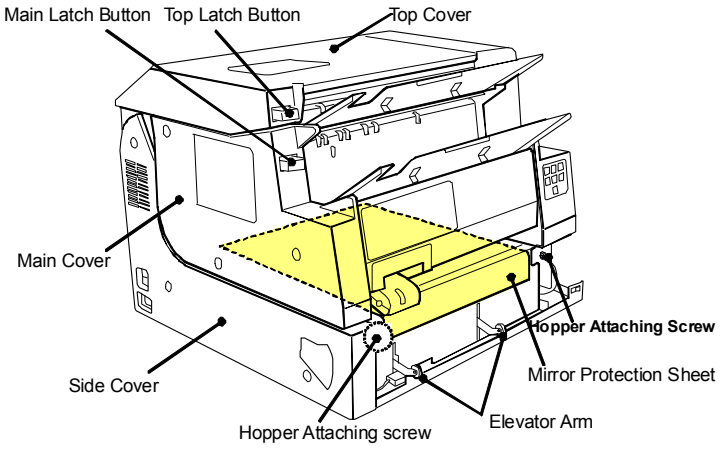
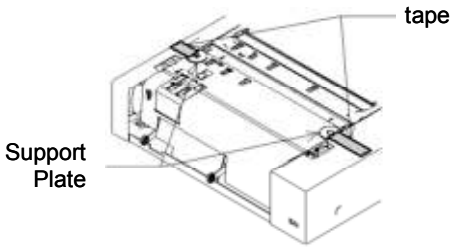
Caution
Due to the transportation in winter, there might be dew condensation on the device.
If you power on just after unpack and install the device, glasses might be misted up and it may cause of read error.
In this case, turn off the power and after a few hours power on again.



5. Installation

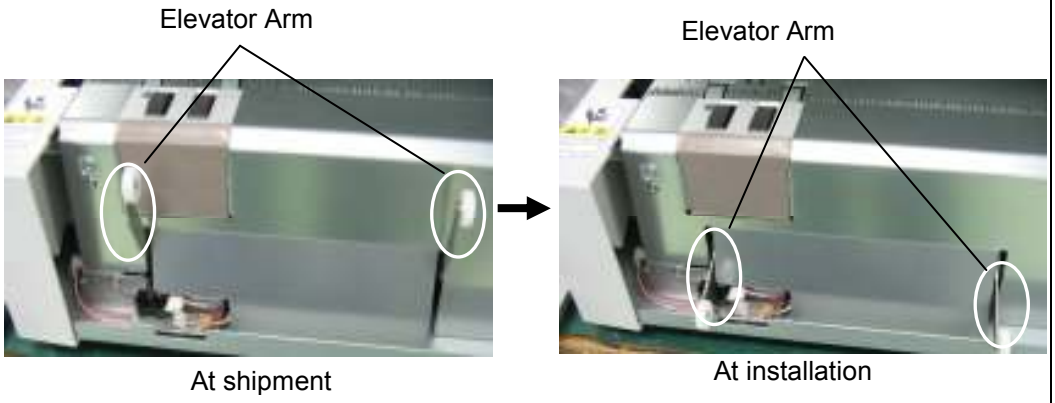
5.1 Preparation

Conduct items shown below.

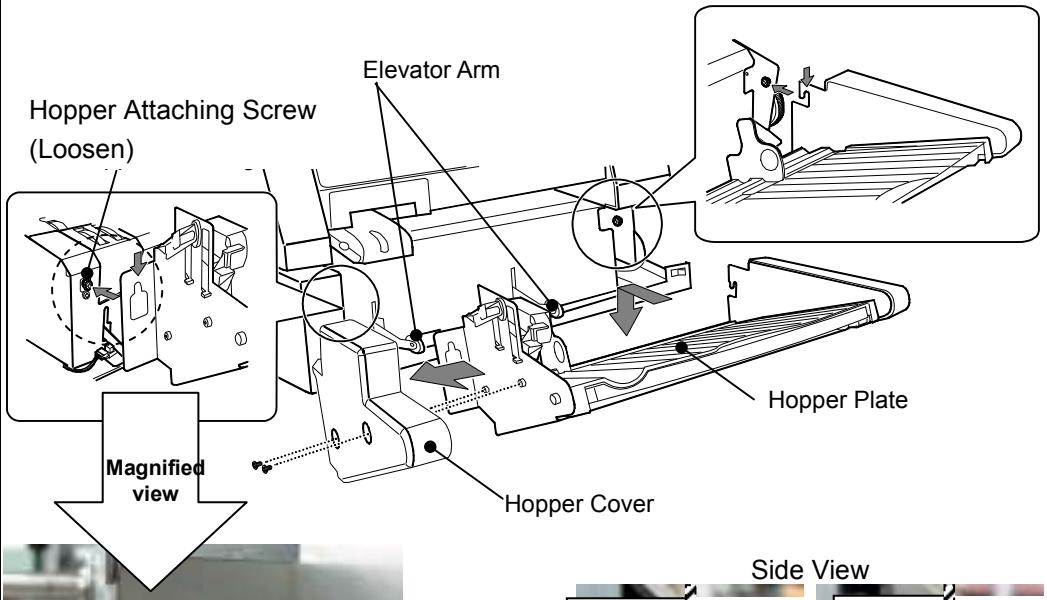
No.	Item	Procedure
1	Components	Check their names and quantity with the attached component list.
2	Cleaning	If the device is contaminated, clean up it with gauze and ethanol.
3	Appearance	Ensure there is no scratch, deformation, or discoloration on the device.
4	Power Supply	Required Power (Voltage): 400W(AC100V)･200W(AC200V) Frequency: for both 50/60Hz Earth : The third-class level grounding is preferable. (Need to confirm with customer)
5	Input Voltage Measurement  	Voltage should be measured at the power outlet. Voltage between (H)–(C) should be AC90 – AC110V/ AC190 – AC240. **Pay particular attention to the Grounding** E: Earth, H: Hot line, C: Cold line (depending on countries)
6	Hopper Attachment	(1) Peel off the tapes from the main unit and the hopper part (2) Pushing the Main Latch Button, open the Main Cover, and remove the Mirror Protection Sheet and Support Plate.  

(cont.)

No.	Item	Procedure
(cont.) 6	(cont.) Hopper Attachment	(3) Move the Elevator Arms down as shown in the picture below.

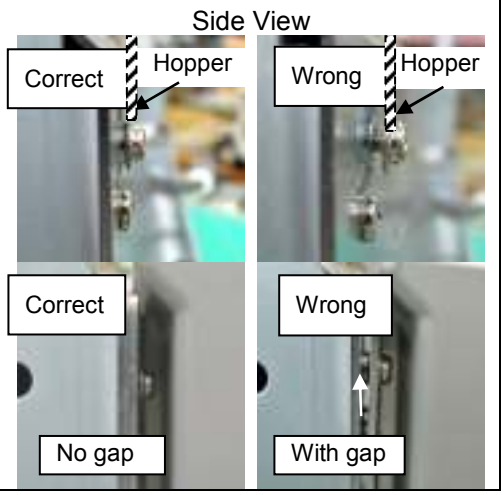


(4) Remove the Hopper Cover by removing 2 screws.
(5) Loosen the Hopper Attaching Screw at the left of the device and attach the Hopper ASSY. See Note below. Lift the Hopper Plate so that the Elevator Arm will be under the Hopper Plate.
(6) Secure the Hopper part with the screws and attach the Hopper Cover.
(7) Close the Main Cover by pushing the area of the “PUSH” labels that are both side of the Main cover.



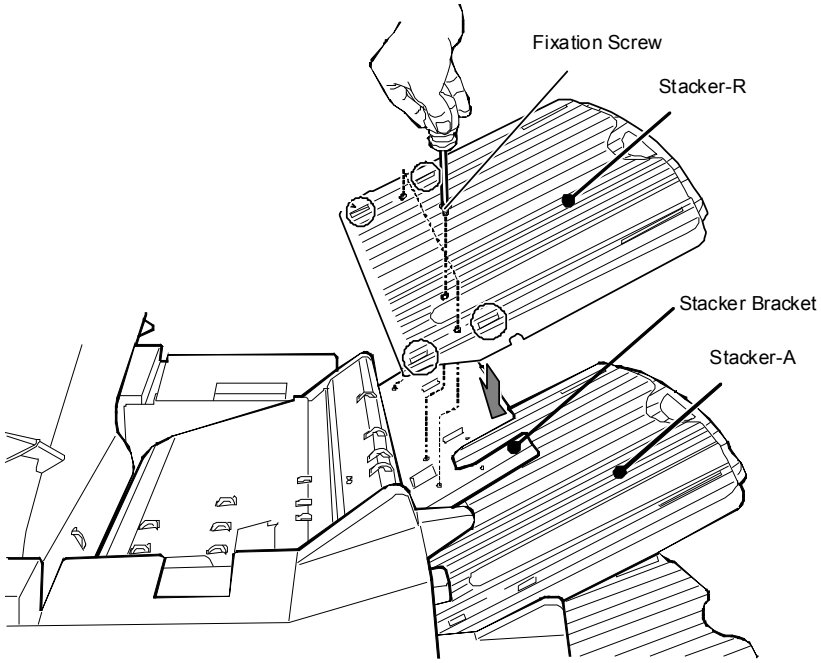
⚠ NOTICE





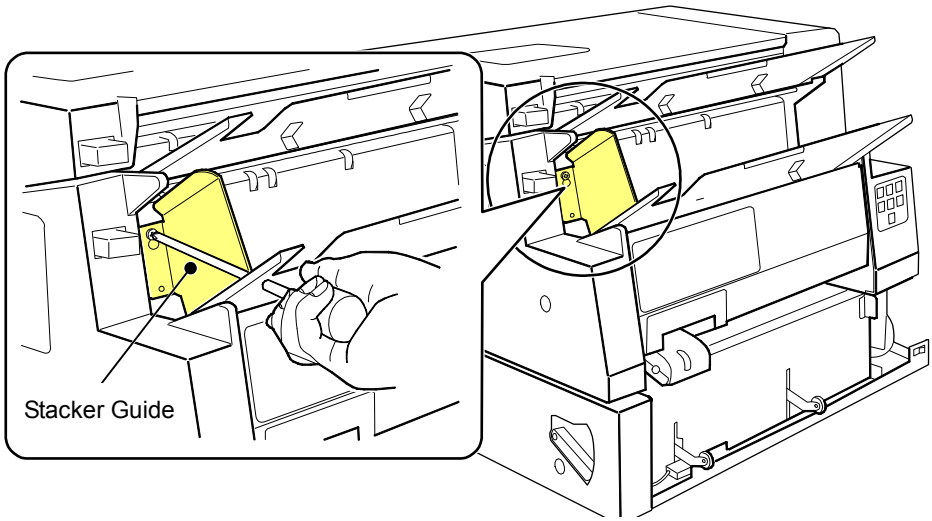
Note: Not loosen the Hopper Attaching Screw too much, which causes wrong attachment with a gap and might be a cause of glitch.

(cont.)

No.	ITEM	Procedure
7	Stacker Attachment	(1) Open the Top Cover by pushing the Top Latch Button. (2) Attach the Stacker ASSY-A to the Stacker Bracket. Secure the Stacker with attached 3 flat-head Phillips screws. (3) Attach the Stacker ASSY-R to the Stacker Bracket with the same procedure as shown (4) Close the Top Cover 

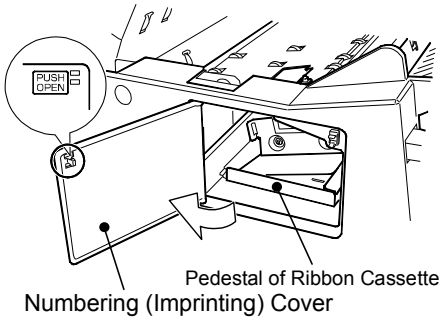
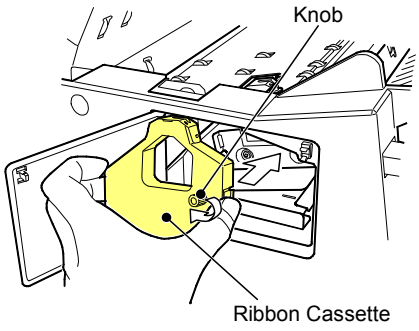
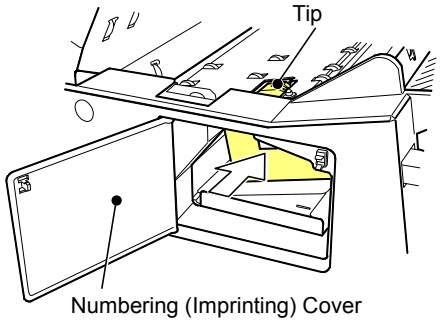
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No.	ITEM	Procedure
8	Stacker Guide Attachment	(1) Secure the Stacker Guide with the Stacker Guide Fixation Screw. 

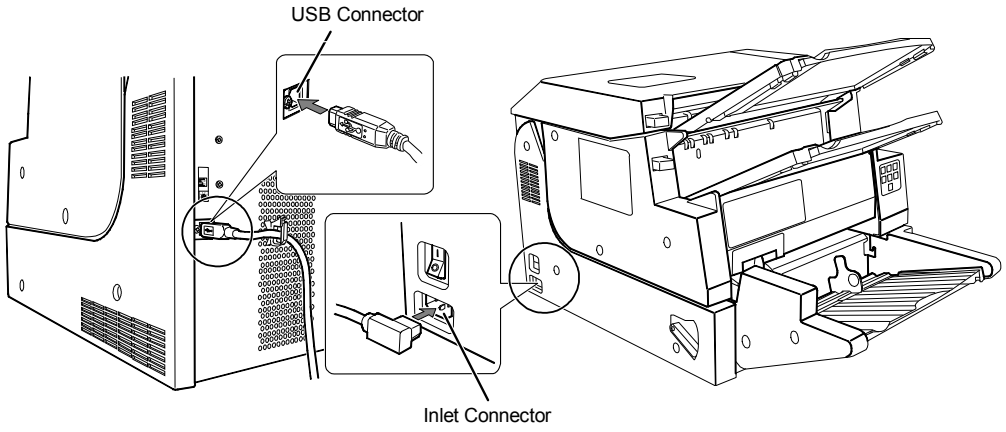
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No.	ITEM	Procedure
9	Position of Imprinting and setting of ribbon cassette	(1) By pushing the Top Latch Button, open the Top Cover. (2) Pushing the ”PUSH OPEN” label area on the Numbering (Imprinting) Cover and open the Numbering (Imprinting) Cover.  (3) Take in the slack of the Ribbon Cassette by turning the Knob on the Ribbon Cassette to the direction of the arrow (clockwise).  (4) Put the Ribbon Cassette in the Numbering (Imprinting) part without catching with its tip, and push it to the “standard” position.  (5) Close the Numbering (Imprinting) Cover and the Top Cover. **NOTE :** However imprint or not the Ribbon Casette or the Dummy Casette should be set.

(cont.)

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No.	ITEM	Procedure
10	Cable Connection	Connection the power cable and the USB cable. (1) Connect the power cable that is attached to the device to the Inlet connector that is at the side of the device. The other side should be connected to the power outlet whose voltage was measured at No. 5. **CAUTION : <u>Do not turn the Power on yet</u>** (2) Connect the USB cable to the USB connector that is at back of the device and secure it with the clamp that is next to it. (Lock the USB connector) **CAUTION : <u>Do Not connect the USB cable to the PC yet</u>** 

5.2 Confirmation of System requirement for the host

5.2.1 OS, Available memory capacity of Memory and Disk

Prior to set up of the Image Scanner Driver, confirm the host systems meet the requirement below.
The device installation should be done after setting up the host systems that satisfy the requirement.

< How to confirm >

Windows XP	Select “start button” – “Control Panel” and double click “System”
Windows Vista Windows7	Select “start button” – “Control Panel” and double click “System” & Maintenance”, click “Indicate Detailed” button, select “Task Manager” from “Task”. If the message box related to the user account control, push the “CONTINUE”(C) button.

System requirement for the host

ITEM		Specifications		Check Mark
Operating Systems (OS)		Windows XP Professional SP3		Either one
		Windows Vista Business Edition SP2		
		Windows Vista Enterprise Edition SP2		
		Windows7 Professional Edition		
USB2.0 port*	PC supported port	USB2.0 Type-A port		
	USB2.0 Card	Adaptec AUA - 2000LP Adaptec USB2connect3100		If PC has no USB2.0 port, these USB2.0 cards are recommended.
USB Driver	Windows XP Windows Vista Windows 7			Either one

* No guarantee of proper operation except USB2.0.

Requirement for the host systems

ITEM		Recommended Specifications		Check Mark
Processor (CPU)	Windows XP Windows Vista Windows7	Pentium 4 3.2GHz or faster		Recommended Spec.
Main Memory	Windows XP	512Mbyte or more (for monochrome Image) 1Gbyte or more (for color image)		
	Windows Vista	1Gbyte or more (for monochrome Image) 1.5Gbyte or more (for color image)		
	Windows7	1.5Gbyte or more		
Available Disk Volume		1 Gbyte or more		
Display Resolution		XGA (1024×768) or better		

⚠ ATTENTION If the host systems do not satisfy the requirement, it might cause the following problems.

- Processor other than recommended ·····Degradation of scanning speed or throughput
- Main Memory·····Memory shortage error, other memory errors
- Available Disk Volume·····Unrecoverable error

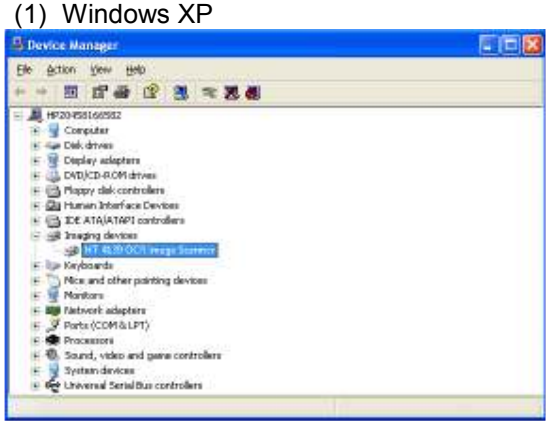
5.2.2 Requirement for USB

The USB port and the USB driver should be installed into the host systems with which set up the Image Scanner Driver properly.

Check the following items.

No.	Check Item	Check Result
1	If the USB port dedicated to the OCR scanner is installed?	
2	If other boards (SCSI board, LAN board, etc.) are installed?	
3	If any conflict of hardware? (IRQ、I/O port address)	
4	If the USB driver is installed and work properly?	

(1) Windows XP



(1) Open Device Manager by clicking the **Start** button, clicking **Control Panel**, clicking **System**, and then clicking Hardware, and then clicking **Device Manager**.

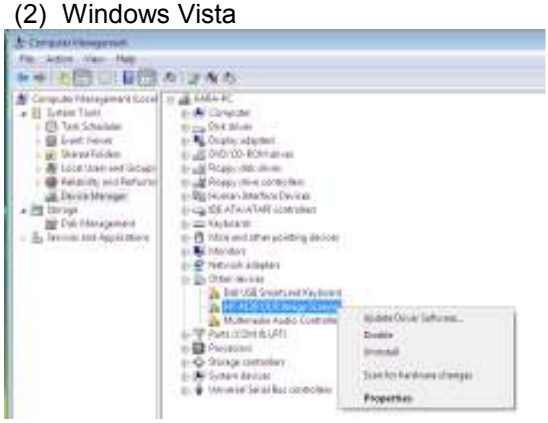
● Points need to be confirmed

If the host controller corresponds to USB 2.0 is working properly.

Indication sample of the host controller correspond to USB 2.0

- xxx USB Enhanced Host Controller
- Standard Enhanced PCI to USB Host Controller
- Standard enhance PCI to host controller

(2) Windows Vista



(1)Open Device Manager by clicking the **Start** button, clicking **Control Panel**, clicking **System and Maintenance**, and then clicking **Device Manager**.

If you are prompted for an administrator password or confirmation, type the password or provide confirmation.

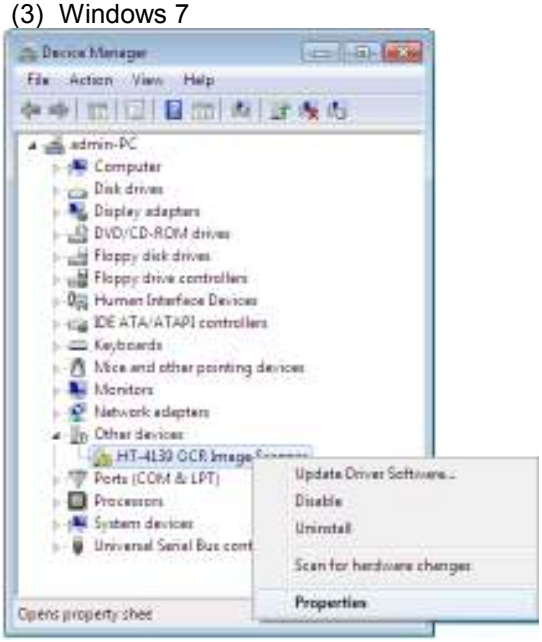
●Points need to be confirmed

Check if the host controller corresponds to USB 2.0 is working properly.

Indication sample of the host controller correspond to USB 2.0

- XXX USB Enhanced Host Controller

(3) Windows 7



(1) Open Device Manager by clicking the **Start** button, clicking **Control Panel**, clicking **Hardware and Sound**, and then clicking **Device Manager**.

If you are prompted for an administrator password or confirmation, type the password or provide confirmation.

●Points need to be confirmed

Check if the host controller corresponds to USB 2.0 is working properly.

Indication sample of the host controller correspond to USB 2.0

5.3 Installation of Image Scanner Driver

NOTICE DON'T connect the USB cable to the PC yet.

Install the Image Scanner Driver to the PC.
Refer to HT-4139 Image Scanner Driver Installation Guide for instruction.

5.4 Test Scannig

Ask customer to test scan from the scanning application if possible.

5.5 Delivery

No.	Item	Procedure
1	Explanation and confirmation to customer	(1) Report on completion of installation and request below. (2) Before delivery, ask customer to reboot the host under power on condition of the OCR scanner. (3) If the host has customer's existing application already, let the customer confirm it is working. (4) Ask customer to maintain the maintenance parts (Test sheets, etc.) (5) Explain about “Safety Precautions” and ”Chapter 2 Operations” in the ”Instruction Manual” and to let them understand contents. Hands on training particularly how to handle paper jam, replacement of rollers (Pick roller, Separator roller, Reverse roller)

5.6 Check with Confirmation Data Sheet for Installation

With the checklist below, ensure all work has been completed.

Item	Content		Check Result
Installation	Unpacking and checking the device		
Preparation	Components, Appearance, Cleaning		
	Check power supply systems Measurement of Input voltage		
	Hopper Attachment		
	Stacker/Stacker Guide Attachment		
	Position of Imprinting and setting of ribbon cassette		
	Cable Connection		
Requirement for host systems	OS, Available memory capacity of Memory and Disk		
	USB driver		
Installation of Image Scanner Driver	Setting up of the Image Scanner Driver		
Test Scanning	Test scan from customers scanning application		
Delivery	(1) Completion Report	(1) Reboot	
		(2) Check customer's existing application	
		(3) Maintenance Parts	
	(2) Explanation of Operation to Customer	(1) Power On/Off	
		(2) Open/Close Top Cover	
		(3) Scanning Sheets	
		(4) Fixing paper jam	
		(5) Roller Replacement (Pick, Separator, Reverse)	
		(6) Daily Maintenance	