MSR/PPR/Imaging Scanner

Kit Instructions

Issue A

Revision Record

Issue	Date	Remarks
A	July 2011	First issue

Introduction

These kits provide an MSR/PPR/Imaging Scanner for the NCR SelfServ 60 (7409). The assembly installs on the bottom of the 7409.

NCR SelfServ 70 (7409) Kiosk
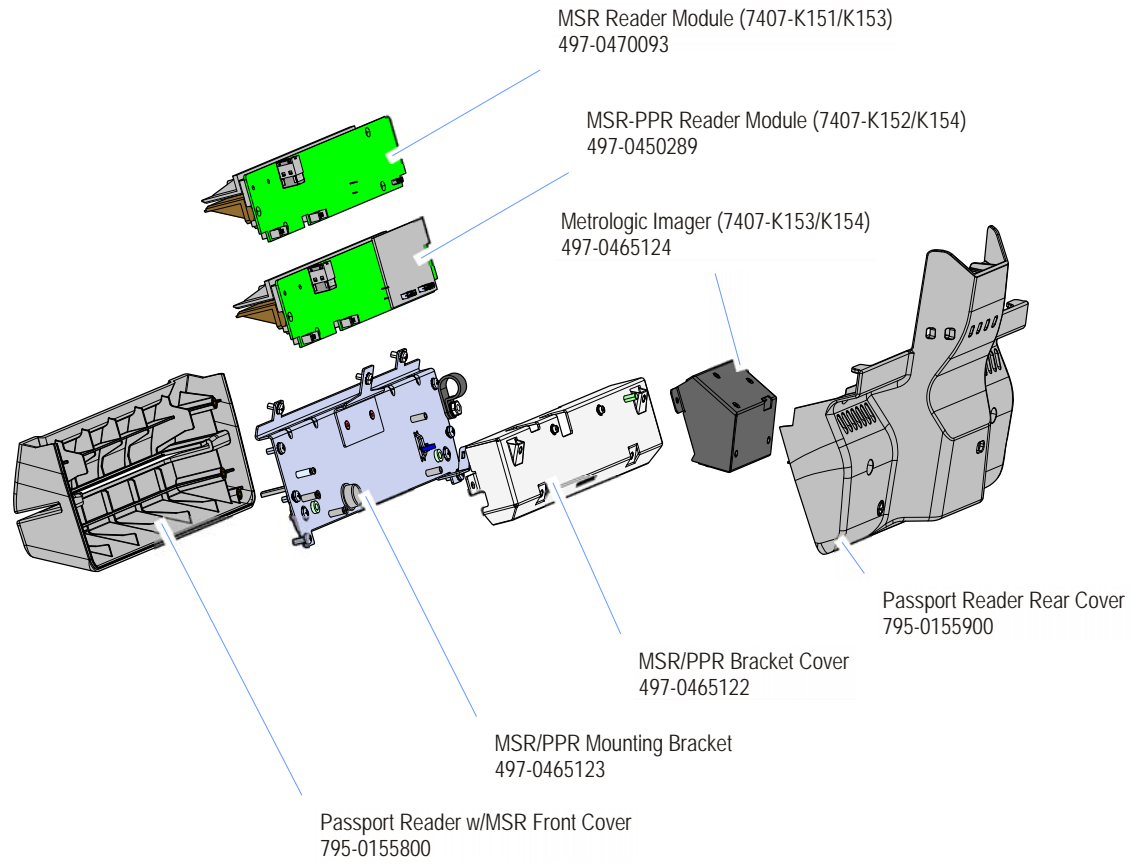
MSR/PPR/Imager Module
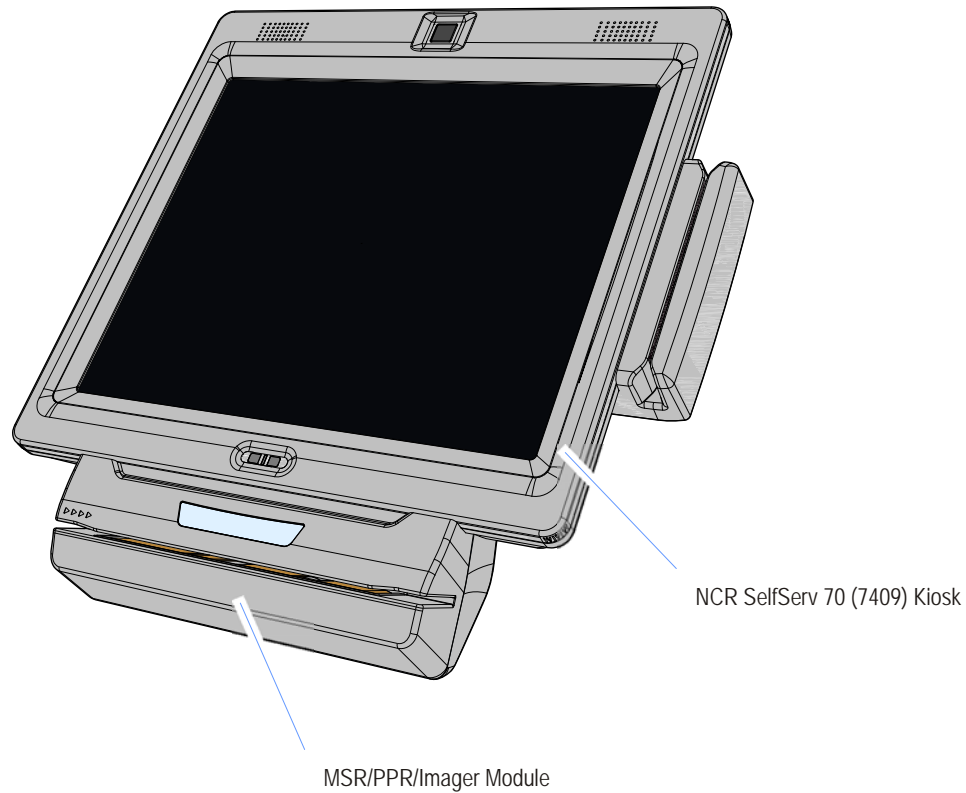
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There are four configurations available:

- 7407-K151 MSR
- 7407-K152 MSR/PPR
- 7407-K153 MSR/Imager
- 7407-K154 MSR/PPR/Imager

The installation procedures are identical except the number of USB cables to connect.

Components

MSR Reader Module (7407-K151/K153)
497-0470093

MSR-PPR Reader Module (7407-K152/K154)
497-0450289

Metrologic Imager (7407-K153/K154)
497-0465124

Passport Reader Rear Cover
795-0155900

MSR/PPR Bracket Cover
497-0465122

MSR/PPR Mounting Bracket
497-0465123

Passport Reader w/MSR Front Cover
795-0155800

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Installation Procedures

1. Remove the Passport Reader Rear Cover (4 screws) from the module.
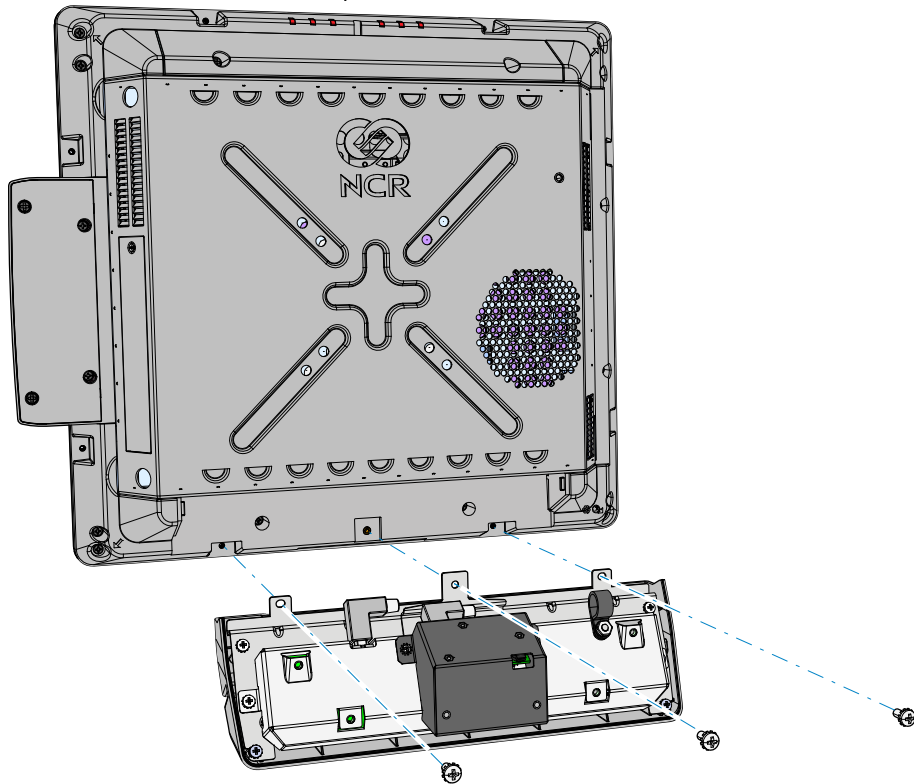
Passport Reader Rear Cover
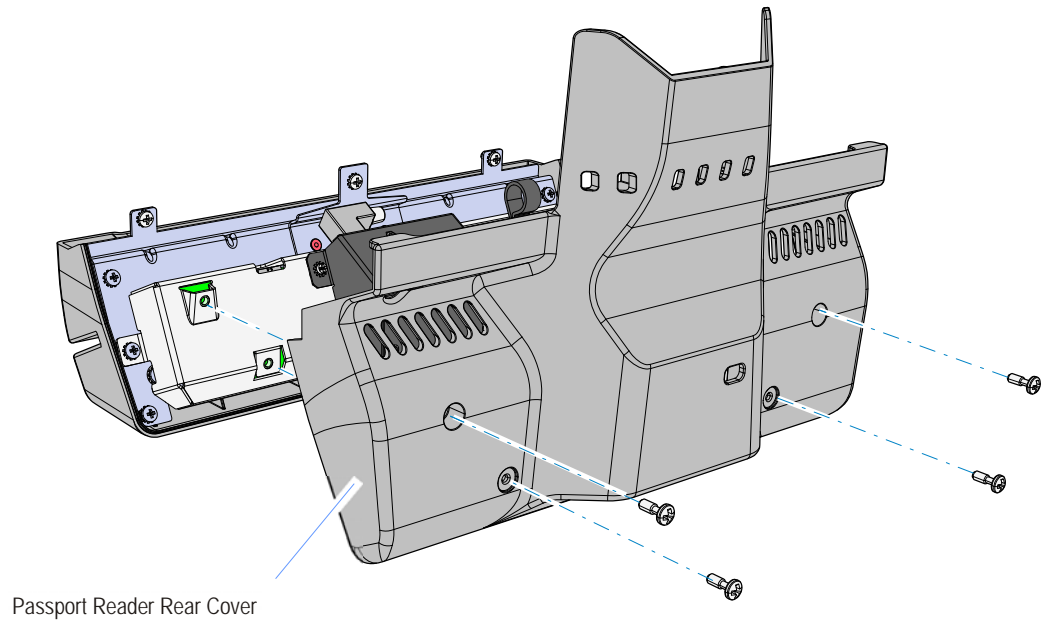
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2. Loosen the captive screw that secures the terminal Cable Cover and remove the cover.
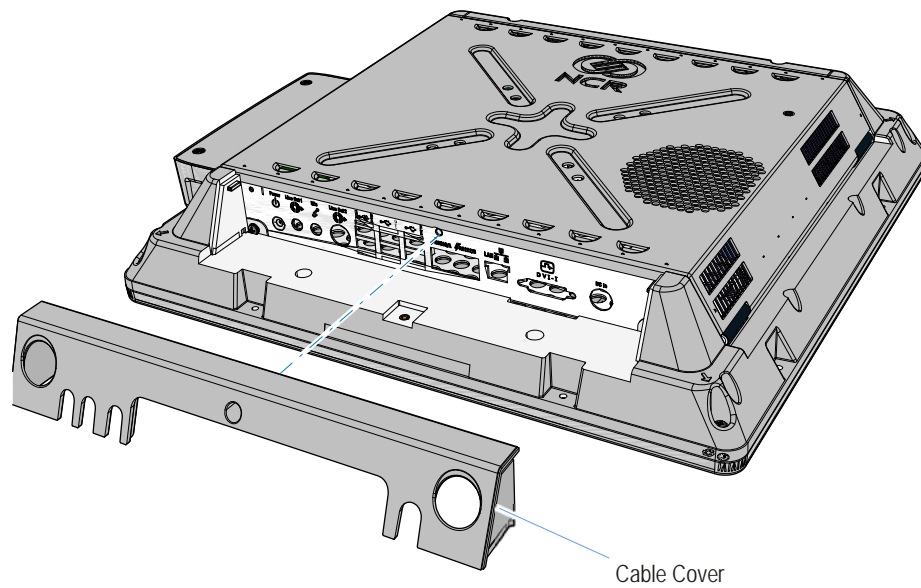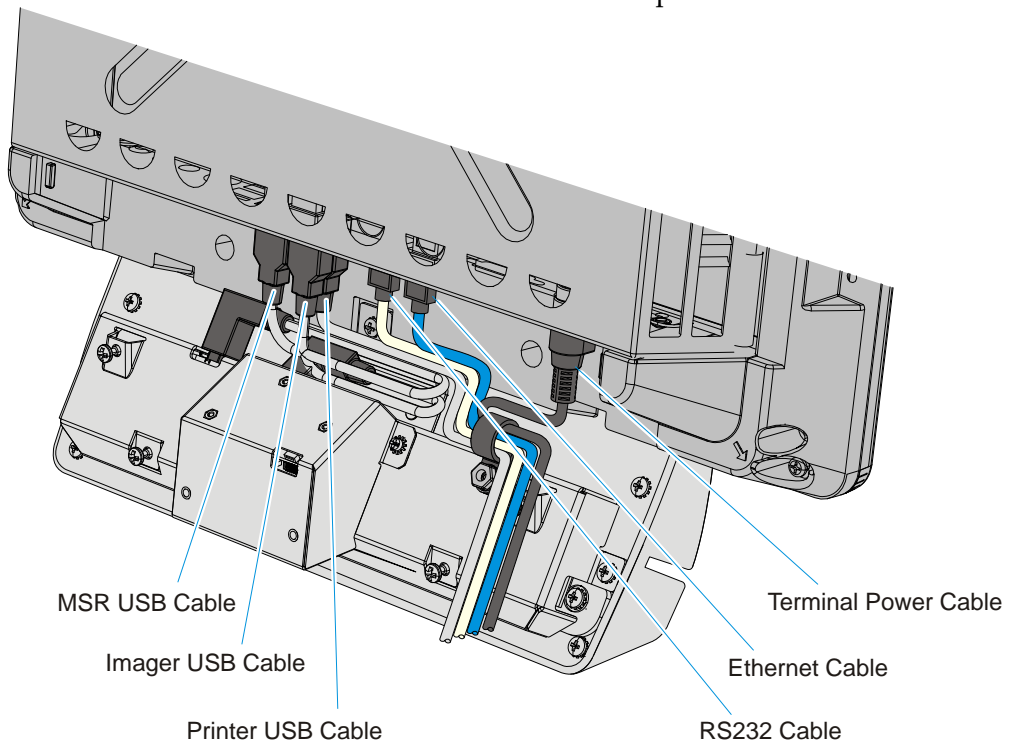
Cable Cover

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3. Install the module onto the terminal (3 screws).

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4. Connect the MSR and Imager cables to the terminal I/O panel.

5. Secure the other external cables in the Cable Clamp on the module.

MSR USB Cable

Imager USB Cable

Printer USB Cable

Terminal Power Cable

Ethernet Cable

RS232 Cable

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6. Install the Passport Reader Rear Cover (4 screws) on the module. External cables are routed out of the module as shown.

Cable Routing

Screws

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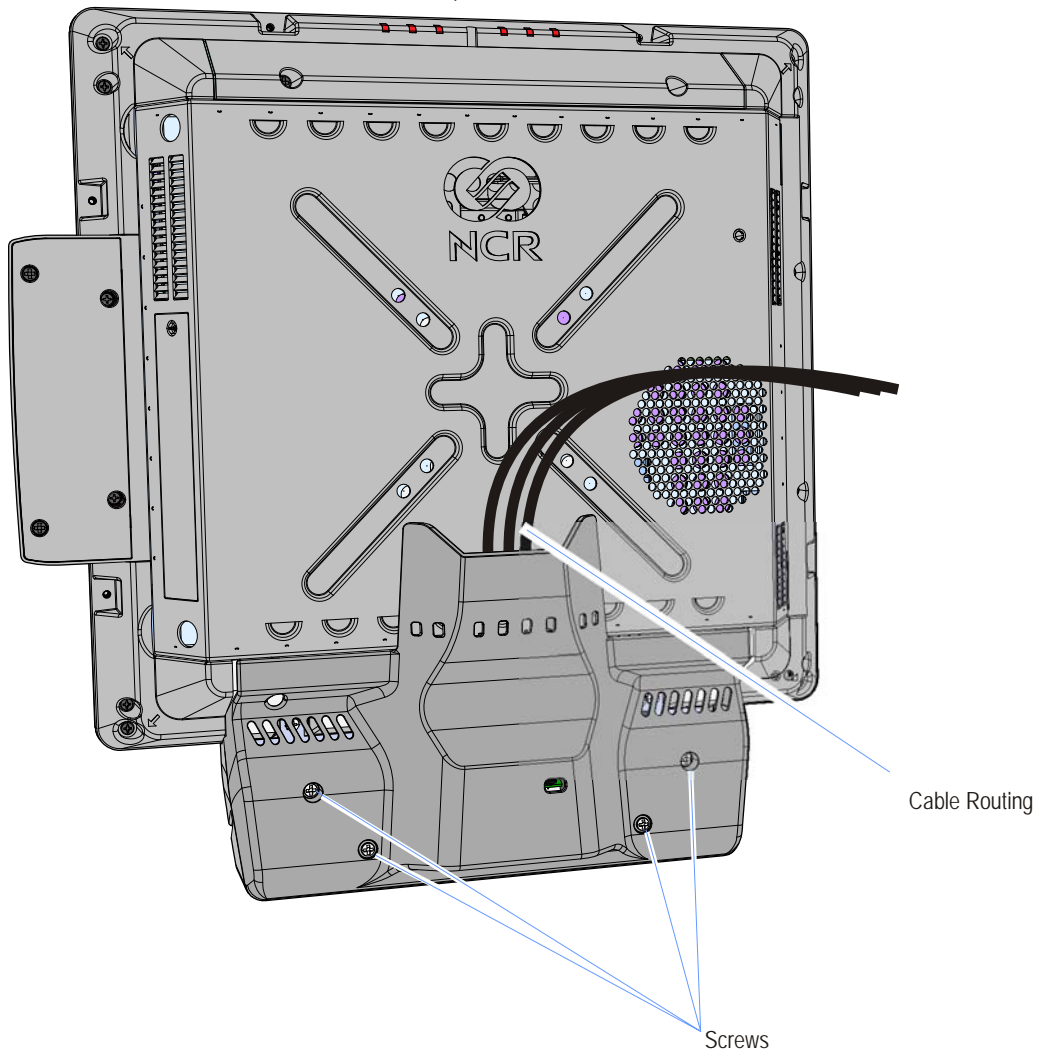
7409 Restrictions for USB Devices if Using S3 Standby

If S3 Standby state is desired, there are certain restrictions with connecting the scanner to a 7409 terminal.

Restrictions on 7409 USB Ports:

If a Restricted Device is plugged into Port:	An S3 Wake Device can NOT be plugged into Port:
A	B
B	A
C	D
D	C
E	F
F	E

Note: The restrictions only apply if it is desired to put the unit in S3 standby state.

USB Devices Capable of Waking the 7409 from an S3 State

- USB Keyboard
- USB Mouse

Reasons for the Restrictions

- USB ports share UHCI host controllers in the Southbridge.
- All external USB ports on the 7409 are powered by 5VSB and kept ON during S3 Standby.
- Some USB peripherals are powered by the RS-232 port (either 5V or 12V).

Ways Around the Issue

- Adhere to the Restriction Guidelines provided above.
- In Windows, disable the S3 Wake Device's ability to wake the unit from Standby.
- Power the Restricted Devices from an external power source instead of the RS-232 ports.