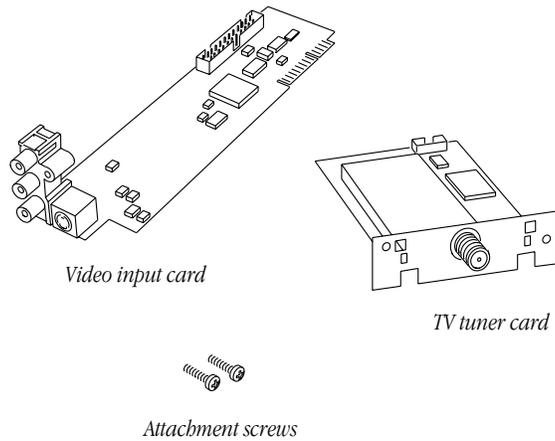


Purpose: This document describes the installation procedure of an upgrade package for some Macintosh models. The upgrade consists of the video input card, a TV tuner card, and an external video connector. These components provide the capability to view videotapes and TV broadcasts on the computer.

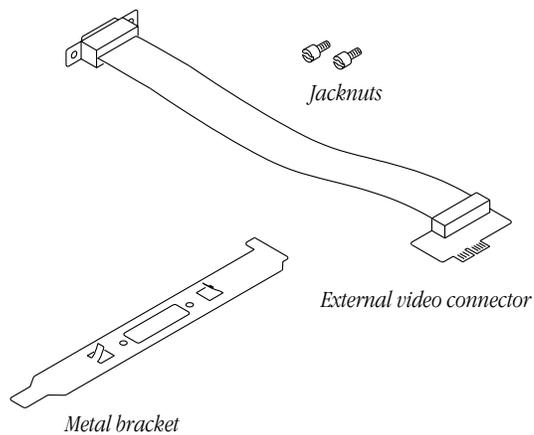
Parts: The parts you need to install the TV/video system are obtained from the kit for the Apple TV/Video System (part no. 602-1173-A). These are:

- video input card
- TV tuner card
- attachment screws
- video software installer diskettes



If your computer did not come with the external video connector, you can get this part from the kit for the Apple External Video System (part no. 5). This system includes:

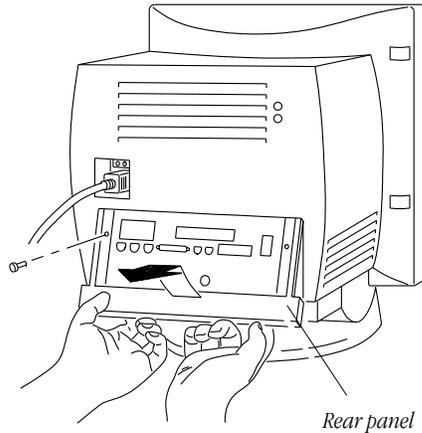
- external video connector
- metal bracket
- 2 jacknuts



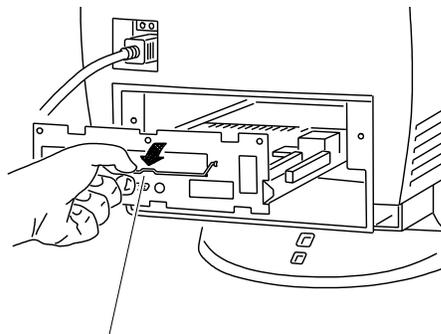
Tools: small Phillips screwdriver
pair of pliers

Special Procedures: The boards are sensitive to damage from electrostatic discharge (ESD). Follow ESD protocols. Do not unwrap the boards until you are ready to install them. Handle the boards only by the edges.

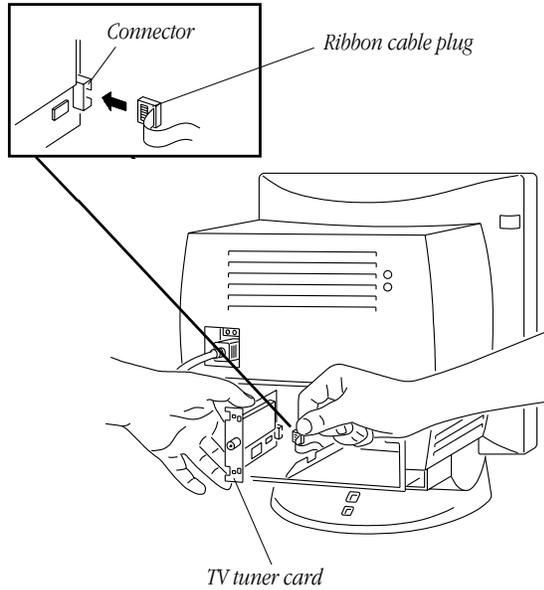
Installing the TV Tuner Card



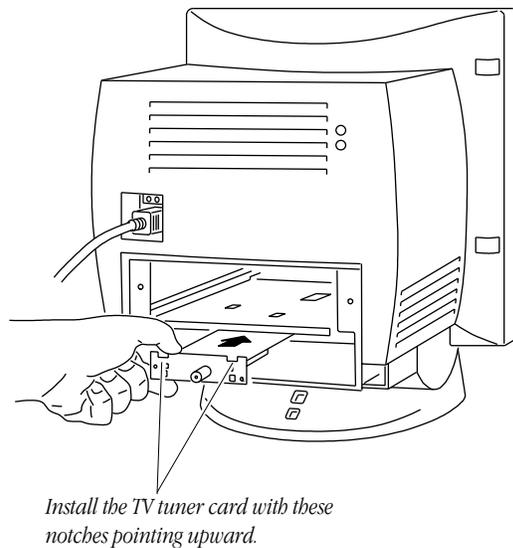
1. Remove:
 - all cables from the rear of the computer except the power cord.
 - the 2 retainer screws.
 - the rear panel by pulling gently on the latch keys under the case.



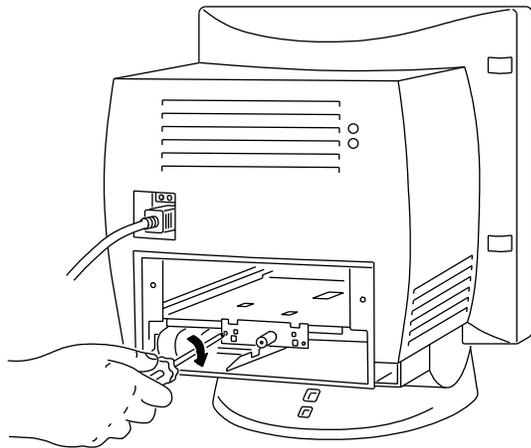
2. Pull down the wire handle on the rear of the logic board. Use the handle to slide the logic board out of the computer.



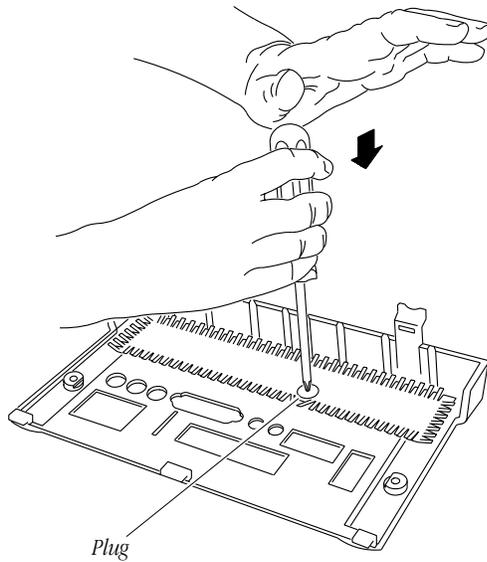
3. Locate the ribbon cable under the logic board tray, and attach it to the connector on the TV tuner card.



4. Slide the TV tuner card into the channel under the logic board tray. Check that the notches point up.



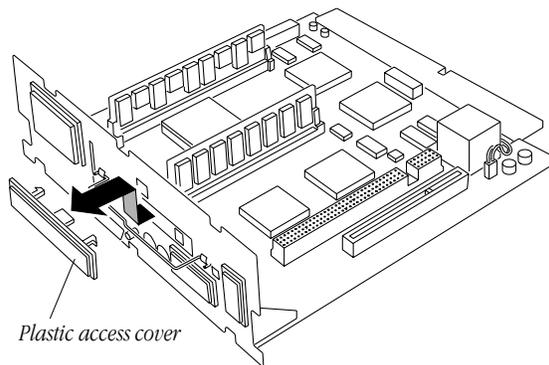
5. Install an attachment screw to secure the TV tuner card.



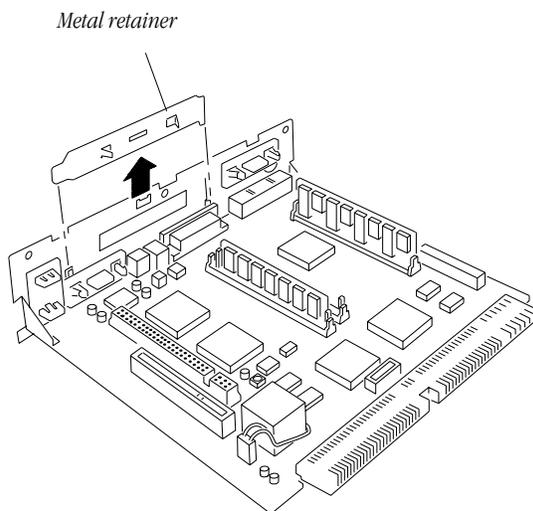
6. Punch out the plug on the rear panel to clear the port access hole for the TV tuner.

Installing the External Video Connector

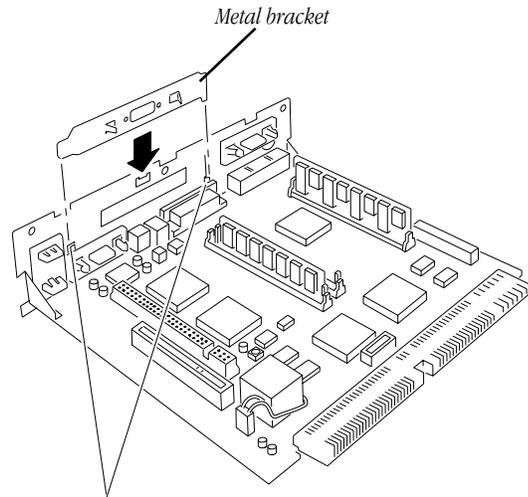
If the external video connector is installed, advance to step 13.



7. Remove the plastic access cover. Compress the tabs and pull it from the metal retainer.



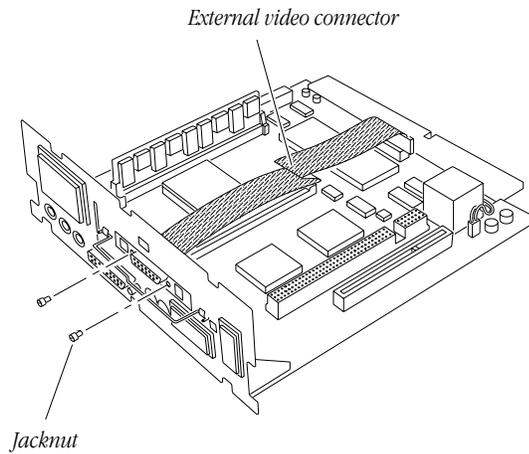
8. Remove the metal retainer.



Metal bracket

The metal bracket is correctly seated when it engages these two hooks.

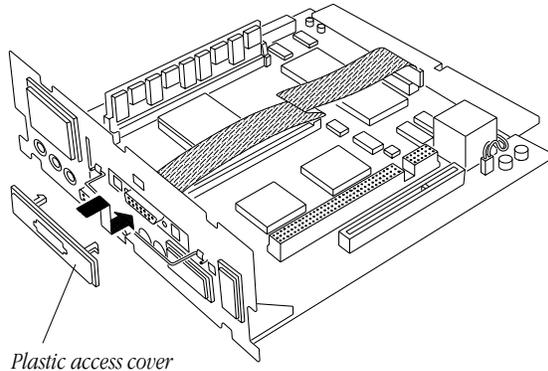
9. Insert the new metal bracket. Check that the bracket engages the two hooks.



External video connector

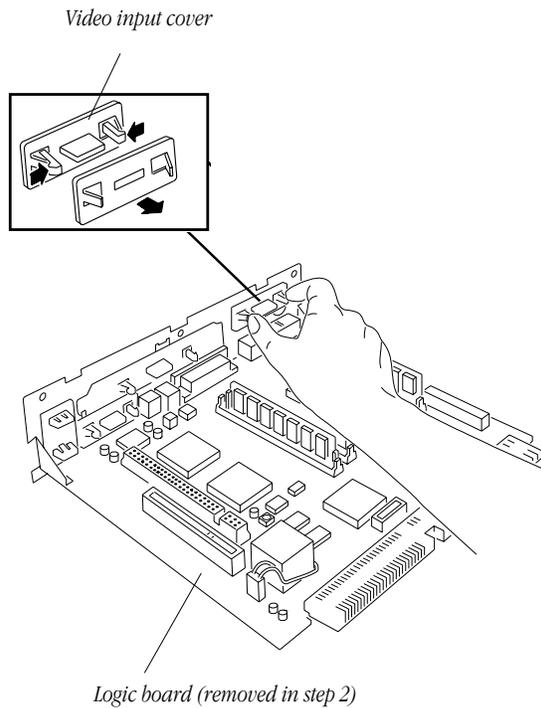
Jacknut

10. Connect the small card on the end of the external video connector to the monitor-out slot on the logic board.
11. Attach the video connector to the metal bracket and secure it with two jacknuts.

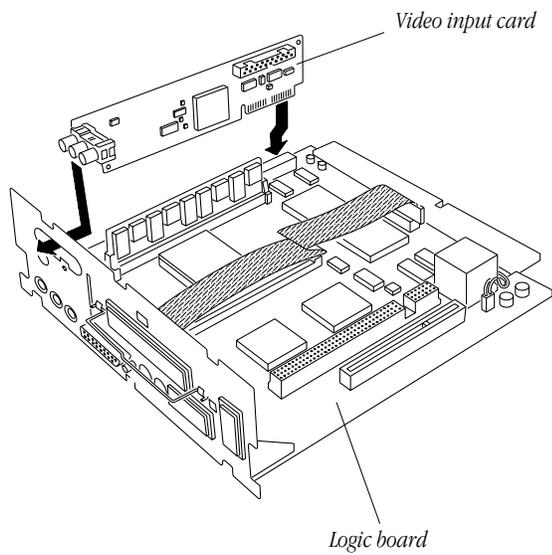


12. Attach the plastic access cover. Check that the video connector protrudes through the opening.

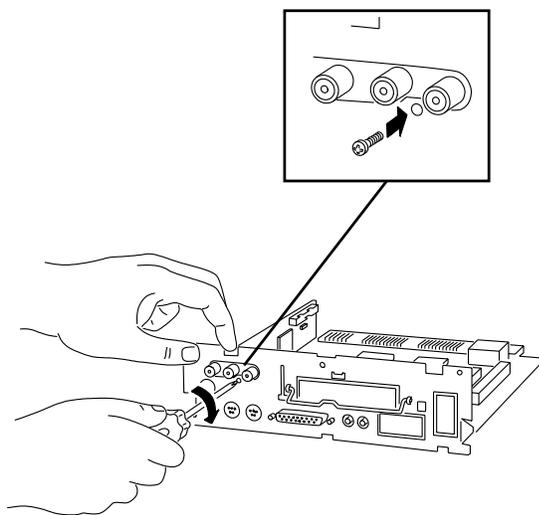
Installing the Video Input Card



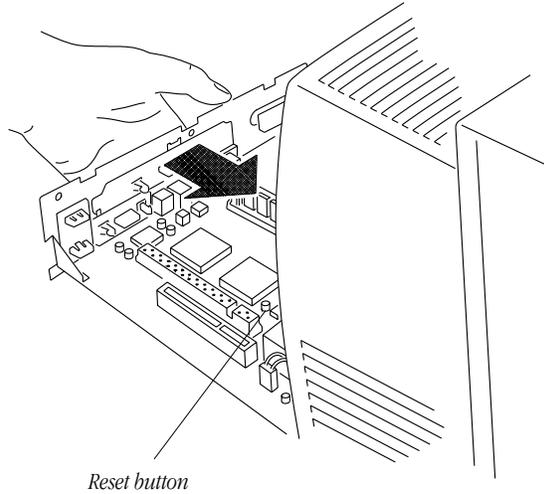
13. Remove the video input cover from the rear plate of the logic board to clear the port access hole.



14. Connect the video input card to the logic board.

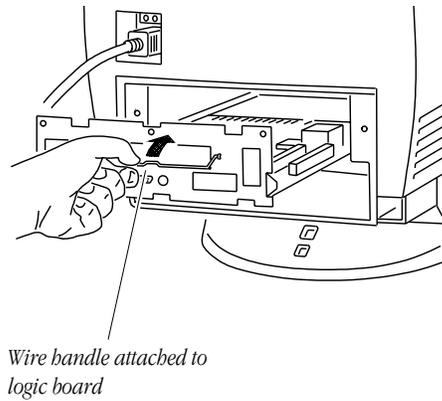


15. Secure the video card to the rear plate using a self-tapping screw. Do not over-tighten.



16. Insert the logic board into the channel but do not yet install it all the way.

17. Press the red reset button before sliding the logic board back into the computer.



18. Swing the wire handle up to the storage position.

Completing the Installation

19. Install the rear panel and the retainer screws.
20. Start the computer.
21. Check the date and time. If necessary, open the Control Panels to set the current date and time.
22. Insert the Video Software Controller diskette.
23. Launch the Installer application on the diskette.
24. When the Installer is completed, restart the computer.
25. Keep the remaining materials from the installation kits (remote control, software diskettes, publications).



Apple
TV/Video Upgrade Kit
for the
Power Macintosh/Performa
5200 series and 5300 series



Installation Instructions

 **Apple Computer, Inc.**

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C O N T E N T S

.....

Purpose.....2

Parts2

Tools3

Special Procedures3

Installing the TV Tuner Card.....4

Installing the External Video Connector.....7

Installing the Video Input Card.....9

Completing the Installation12

.....