

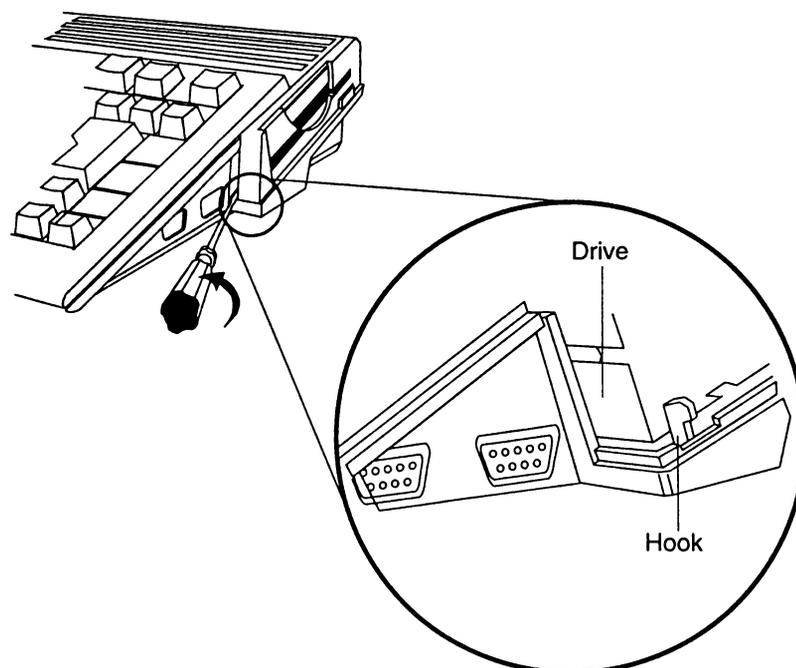
# ***A600 Hard Drive Upgrade Kit Installation Instructions***

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The A600 Hard Drive Upgrade kit includes a hard drive and upgraded ROM to allow the A600 to become IDE hard drive compatible. Installing the hard drive requires opening the unit, attaching the hard drive to a bracket, and connecting a ribbon cable. Upgrading the ROM requires removing the old ROM and inserting the new.

## ***Hard Drive Installation***

1. Place the A600 with the keyboard side down and the floppy drive to your left.
2. Remove the 6 cover screws (3 in front, 1 on the right side, and 2 in the back).
3. Release tabs on either side of the unit. The figure below shows the tab on the right.



4. Carefully pry apart (about 4 inches) the two front halves of the case until the internal LED wiring is visible.
5. Carefully disconnect the 4-pin LED wiring plug.
6. Separate the two halves of the case without pulling the keyboard cable from its base.

7. Remove the hard drive bracket. The bracket is not screwed into the casework, but fitted into four slots on the motherboard.
8. Attach the hard drive to the bracket with the 4 screws. Be careful to not over tighten the screws. The end of the hard drive with the pin connectors points away from the floppy drive.
9. Connect the ribbon cable to the 44-pin motherboard connector. Pin 1 is indicated by a printed 1 on the motherboard and by a colored line on the cable. This cable provides an interface and power to the drive.
10. Insert the bracket with the attached hard drive into the motherboard slots.
11. There are 48 pins on the hard drive: 44 pins with 2 missing pins separating an additional 4 pins (for test use only). Connect the cable to the 44 pins. Pin 1 is on the side opposite from the 4 test pins.

### ***Compatible Hard Drives***

The following hard drives have been tested and approved for use in the A600 Upgrade kit. Each hard drive uses cable assembly 364135-01 unless noted otherwise. Each hard drive contains factory-installed software.

<b>Hard Drive Manufacturer</b>	<b>Size in MB</b>	<b>Commodore Part Number</b>
<b>Conner</b>	20	312896-01
	30	364594-01
	40	364654-01
	60	364652-02
	80	364532-01
<b>PrairieTek</b> (requires cable assembly 354582-01)	20	312896-02
<b>Quantum</b>	40	364654-03
<b>Toshiba</b>	20	312896-03
	40	312319-01
<b>To Be Determined</b>	120	364888-01
	120	364888-02
<b>Western Digital</b>	30	364594-02
	60	364652-01
	80	364532-02

### ***ROM Upgrade***

The ROM socket on the A600 motherboard is a 42-pin socket. The ROM is a 40-pin chip. Both the socket and the chip have a notch on one end. The two pin holes next to the socket's notched end are not used.

The P/N for the ROM currently in the A600 is 391388-01. The upgrade ROM is P/N 391304-02.

### ***PAL Units***

The ROM is in the upper right hand corner of the unit. To upgrade the ROM:

1. Remove the old ROM.
2. Align the notched ends of the ROM and socket and insert the upgraded ROM.
3. Seat the ROM firmly in the socket.

### ***NTSC Units***

The ROM is in the upper right hand corner of the unit covered by a shield. This shield has a partial cutout to reveal the ROM and may have copper tape covering the cutout. To upgrade the ROM:

1. Peel back the copper tape to expose the ROM (if applicable).
2. Remove the old ROM.
3. Align the notched ends of the ROM and socket and insert the upgraded ROM
4. Seat the ROM firmly in the socket.

### ***Reassembling the Unit***

1. Snap the cover halves back together.
2. Replace the 6 cover screws. Do not over tighten the screws. Over tightening the metal screws can crack or damage the plastic cover.
3. Replace the warranty seal on the underside of the unit.

**Note:** Failure to follow the above instructions may result in damage to the unit. Any damage done to the customer's unit during the A600 Hard Drive Upgrade Kit Installation, whether through negligence, purposeful conduct, or otherwise, is solely the responsibility of the dealer and neither Commodore International nor any Commodore company will have any liability whatsoever for any such damage. Customers must look solely to the dealer(s) for any repair, replacement, or damage claim.



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