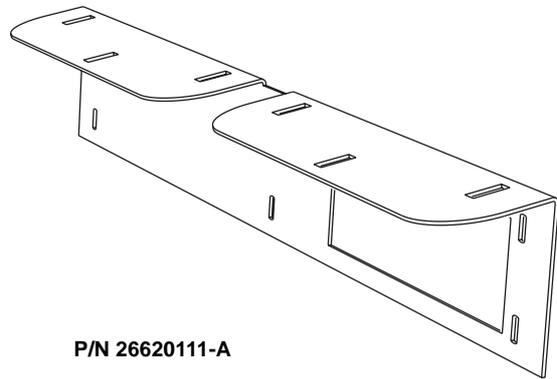# Installing a CD-ROM Drive in the Case Pro Controller

Note: There is no cut-out for the CD-ROM drive in Case Pro I and Pro 1+ Controllers above S/N 411599-0000, i.e., those with improved electro-magnetic shielding. To upgrade these controllers with a CD-ROM drive, the front plate must be replaced with P/N 26620111-A, "Holder for wood, 1. part, CASE."

P/N 26620111-A

HARDWARE INSTALLATION

1. Disconnect the controller from AC mains power.

2. Remove the desktop (on the Pro 2, the one on the right side): Remove the 3 Allen screws from each side of the top of the desk. Carefully lift the desktop off. Either flip the desktop over and lay it aside, if the cables are long enough, or disconnect the three sets of wires attached to the bottom of the desk-top.

3. Remove the CD-ROM access plate from the front panel.

4. Set the jumper on the back of the CD-ROM drive to slave.

5. Remove drive holder from controller: The drive holder is in the corner by the trackball. The hard disk is in the top slot and the CD-ROM drive goes in the bottom slot. Remove the 7mm self-locking nuts from the 4 drive-holder mounting screws. Tilt the holder slightly to one side and pull it straight up off the mounts, one side at a time.

6. Install CD-ROM drive in drive holder: Insert drive in holder with the front of the drive facing the front of the controller. Loosely secure the drive in the holder with 4 screws (provided) - two on each side of the drive, in the **bottom** set of holes.

7. Position the drive holder back in place. Slide the CD-ROM drive to the desired position with respect to the access hole. Remove the drive holder again and tighten the screws securing the CD-ROM drive.

8. Connect the data cable: The data cable is the flat ribbon cable. It has 2 connectors: one goes to the hard disk and the other goes to the CD-ROM drive. Plug the free connector into the back of the CD-ROM drive.

9. Plug one end of the power splitter cable into the 4-pin socket on the back of the CD-ROM drive. The fit is snug. Be sure to insert the power cable all the way into the plug.

10. Find the power cable connection at the back, right hand corner of the controller, by the power switch. Do not use any other power cable. If it is secured with a strap, cut the strap. Separate the power cables at this point and insert the two ends from the power splitter cable. (There is only one way to do this.)

11. Install the audio cables: There are 2 audio cables: a 4-pin analogue cable and a 2-pin digital cable. Plug both cables into the back of CD-ROM drive. There is only one way to fit the audio cable. Plug the digital cable in with the green wire connected to the "G" pin.

12. Remove the plates covering the audio-out holes in rear panel. (If there is no digital-out, use the audio-in hole.) Save the nuts and screws.

13. Install the cables in their respective positions. The jack with the red wire is for the right channel. Use the original hardware plus the two screws that come with the kit.

14. Reinstall drive holder in controller: Set the drive holder over the mounting screws and rubber mounts. Pull straight up on the tips of the rubber mounts, using pliers, to lock the mounts in the holder. Some of the rubber mounts may be attached to the holder, in which case they must be pulled down from underneath the controller.

15. Place the self-locking nuts on the mounting screws and turn them **just** until the nut is fully threaded. The top of the nut should be no more than 1 thread down from the tip of the screw. **The nuts must not touch the drive holder.**

16. Double check all connections for snug fit. Check that the power cable to the floppy disk drive did not pull loose while handling the drive holder.

17. Reconnect the 3 sets of cables if you removed them from the desktop. The ribbon cable goes to the connector closest to the small "reset" button on the printed circuit board. The bundle of 4 wires goes to the connector next to "diode 3". The bundle of 3 wires goes to the other connector.

18. Replace the desktop. Fasten with the Allen screws.

SOFTWARE INSTALLATION

1. Turn on the Case controller.

2. Go to the main programming screen.

3. Press the SHIFT and SETUP keys simultaneously for 2 seconds until the DOS prompt appears.

4. Insert the installation diskette in the disk drive.

5. From the DOS prompt, enter "a:setup". Use the express setup options.

6. Edit the autoexec.bat file: Enter "edit c:\autoexec.bat". Use the cut and paste commands to move the line, "MSCDEX /D:MSCD001 /V" to the top of the autoexec.bat file. The CD-ROM drive will not be recognized without this step.

7. Save the changes and exit the editor. Reboot the controller. The CD-ROM drive is ready for use.