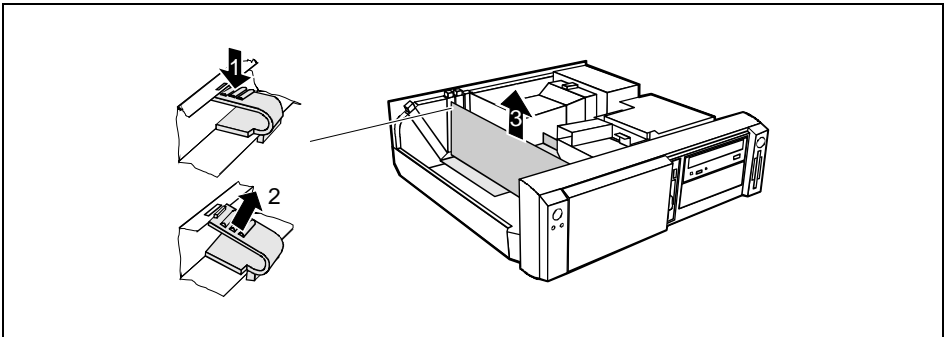


- ▶ Push the board up to its slot (1). Ensure that the end of a long board without angle bracket fits into the corresponding guide of the system unit. Ensure also that the point of the angle bracket slots into guide (a).
- ▶ Press the board into the slot so that it engages.
- ▶ Replace the clip (2) which fixes the board. Make sure that the clip engages when released (3).
- ▶ If necessary, plug the lines on the board.
- ▶ Close the system unit (see "[Assembling the system unit](#)").

Removing a board

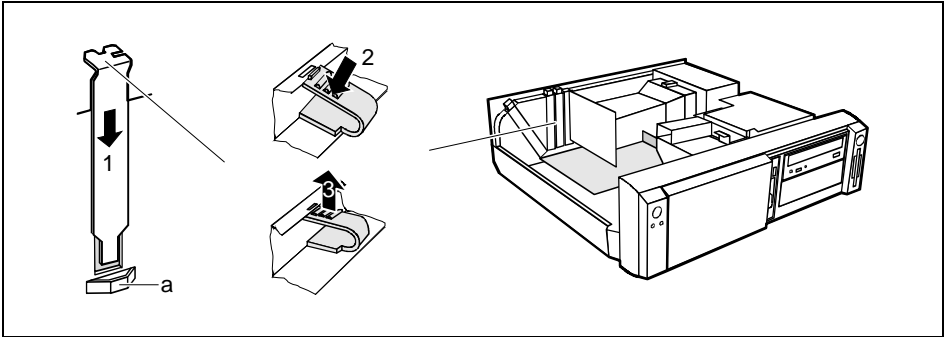
- ▶ Open the system unit (see "[Opening the system unit](#)").
- ▶ Remove the lines connected to the board.



- ▶ Press on the clip in the direction of the arrow (1) and remove it (2).
- ▶ Remove the board from the system unit (3).
- ▶ Place the board into an appropriate packaging.



For cooling, protection against fire and in order to comply with EMC (electromagnetic compatibility) regulations, you must refit the rear slot cover plate.



- ▶ Push the rear slot cover plate into the slot (1). Ensure that the point of the cover engages into the guide (a).
- ▶ Replace the clip (2) which fixes the board. Make sure that the clip engages when released (3).
- ▶ Close the system unit (see "[Assembling the system unit](#)").



If you have installed or removed a PCI board, please check in the *BIOS Setup* the settings for the relevant PCI slot. If necessary, change the settings. Further information is provided in the documentation for the PCI board.

Installing and removing drives

The system unit houses a total of three accessible drives (two 5 1/4-inch drives and one 3 1/2-inch drive) and two non-accessible half-height (Slimline) drives .

IDE drives

By default four IDE drives are supported. Ideally hard disks are connected to IDE port 1, and accessible IDE drives, for example CD-ROMs, to IDE port 2 (see also the Technical Manual for the system board).

SCSI drives

If you want to install an SCSI drive, you require an SCSI controller and an SCSI cable. Note that:

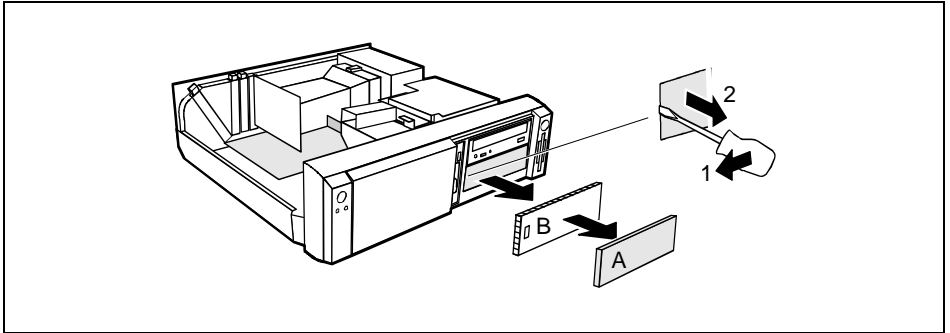
- not every SCSI controller is suitable for operating SCSI hard disks
- each SCSI device must be assigned its own SCSI-ID.
- the SCSI cable must always be terminated at the end, either by a drive or by a terminating resistor on the cable. The terminating resistors of all other SCSI devices attached must not be activated or connected.
- depending on the SCSI technology (UW, U2W), an adapter may be required for connecting the SCSI drives with a 50-pin connector.

Installing an accessible drive

- ▶ Open the system unit (see "[Opening the system unit](#)").



Should the chipcard reader get in the way of the accessible drive during installation, then remove the reader (see "[Installing/removing a chipcard reader](#)").

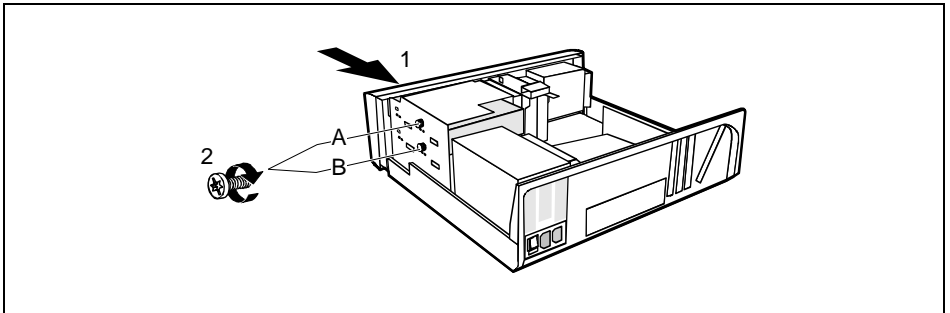


- ▶ Pry the plastic drive cover (A) out of the front cover.
- ▶ Pry the shielding plate (B) on left-hand side out of the bay.



Do not throw away the covers. If you remove the drive again later, you will have to reinstall the covers.

- ▶ Take the new drive out of its packaging.
- ▶ Make the required settings on the drive (if necessary, on installed drives as well).



A = Position of the screw for the upper drive

B = Position of the screw for the lower drive

- ▶ Slide the drive into the system unit (1).
- ▶ Plug the data and the power supply connectors into the drive.
- ▶ Fasten the drive with the screw (2).
- ▶ If you have removed the chipcard reader, then reinstall it.

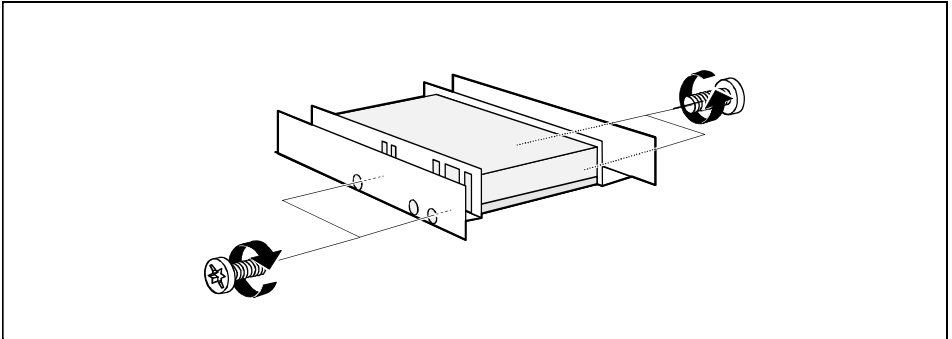
- ▶ Close the system unit (see "[Assembling the system unit](#)").

i

If necessary, you must adapt the entry for the drive in the Setup menu.

Installing a hard disk drive in the front bay

- ▶ Open the system unit (see "[Opening the system unit](#)").
- ▶ Make the required settings (e. g. master-slave) on the hard disk drives.

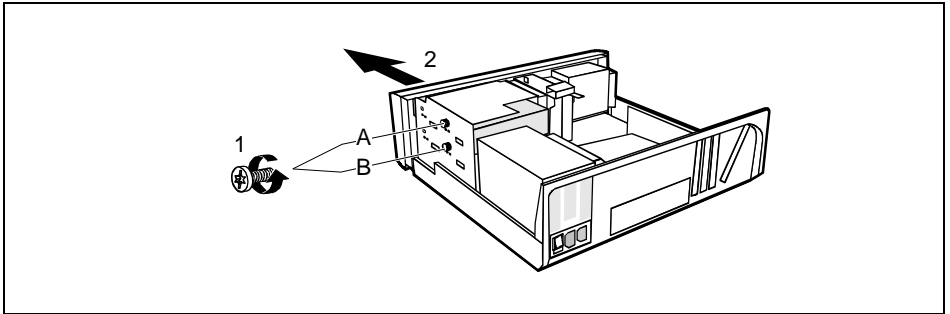


- ▶ Fasten the drive with the four screws (2).
- ▶ Install the installation frame with the drive in the desired front bay (see "[Installing an accessible drive](#)").
- ▶ Close the slot with the panel. Ensure that the cover engages.
- ▶ Close the system unit (see "[Assembling the system unit](#)").

Removing an accessible drive

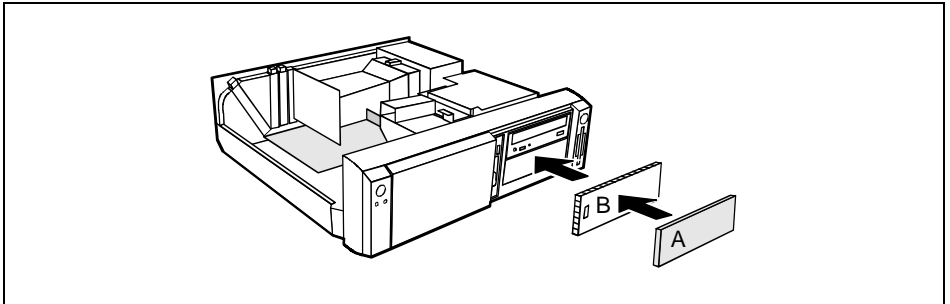
- ▶ Open the system unit (see "[Opening the system unit](#)").
- ▶ Pull the data and the power supply connectors from the desired drive.

i Should the chipcard reader get in the way of the accessible drive during installation, then remove the reader (see "[Installing/removing a chipcard reader](#)").



A = Position of the screw for the upper drive
B = Position of the screw for the lower drive

- ▶ Remove the relevant screw (1) and take the drive out of the system unit (2).

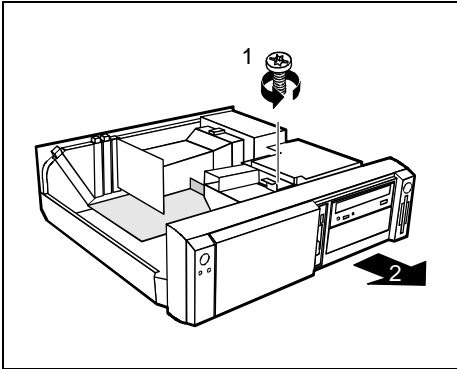


- ▶ Insert the shielding plate (B) on the right-hand side on the installation bay and press it in.
- ▶ Press the plastic drive cover (A) into the front panel until it snaps in place.
- ▶ If you have removed the chipcard reader, then reinstall it.
- ▶ Close the system unit (see "[Assembling the system unit](#)").

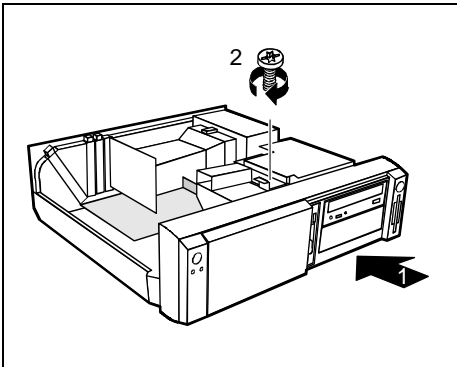
i If necessary, you must adapt the entry for the drive in the Setup menu.

Changing the floppy disk drive

- ▶ Open the system unit (see "[Opening the system unit](#)").
- ▶ Remove the hard disk carrier (see "[Installing and removing the hard disk drive](#)").



- ▶ Pull the data and the power supply connectors from the floppy disk drive.
- ▶ Remove the screw (1) and take the drive out of the system unit (2).
- ▶ Take the new floppy disk drive out of its packaging.



- ▶ Push the drive into the system unit (1), and fix it with the screw (2).
- ▶ Plug the data and the power supply connectors into the floppy disk drive.
- ▶ Remove the hard disk carrier (see "[Installing and removing the hard disk drive](#)").
- ▶ Close the system unit (see "[Assembling the system unit](#)").

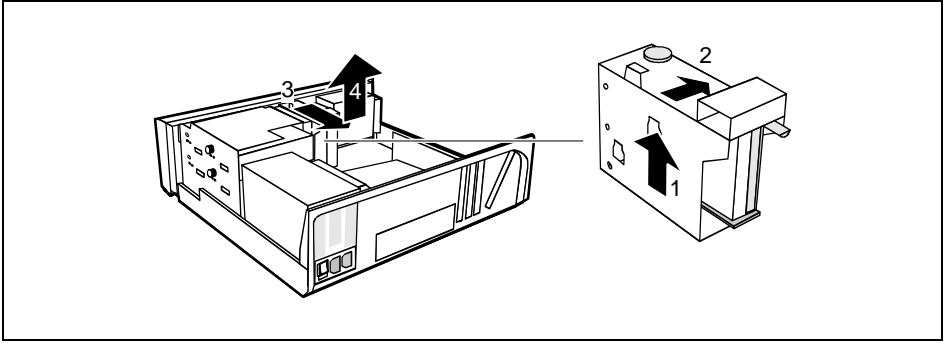


If necessary, you must adapt the entry for the drive in the Setup menu.

Installing and removing the hard disk drive

- ▶ Open the system unit (see "[Opening the system unit](#)").

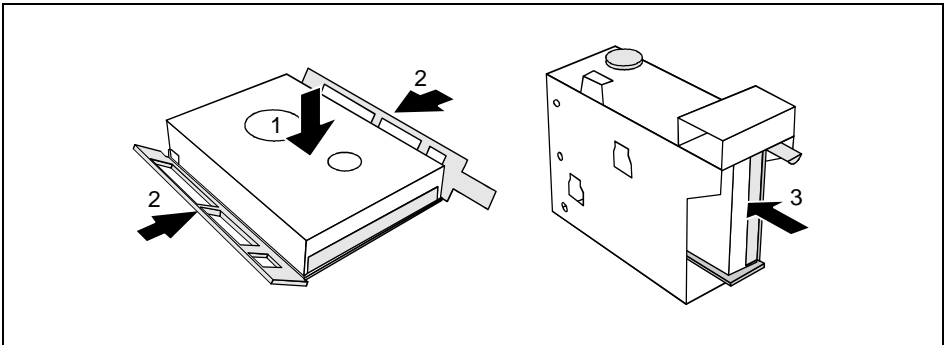
Removing the hard disk carrier



- ▶ Lift the hard disk carrier out of the mounting in the direction of the arrow (1) and (2).
- ▶ Lift the hard disk carrier out of the system unit in the direction of the arrow (3) and (4).
- ▶ Pull the data and power supply connectors from the hard disk drive or the hard disk drives.

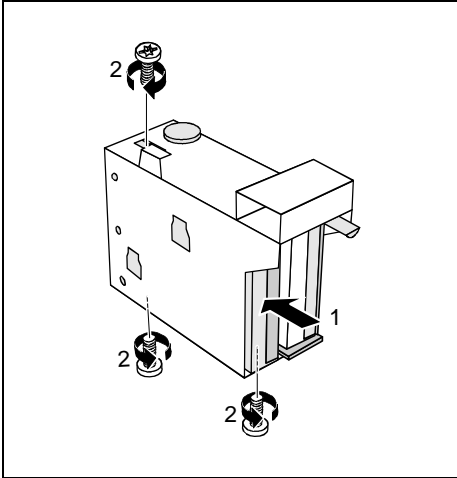
Installing the first hard disk drive

- ▶ Take the new hard disk drive out of its packaging.
- ▶ Make the required settings (e. g. master/slave, stand alone) on the drives.



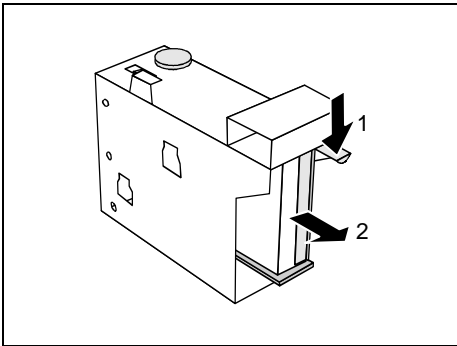
- ▶ Insert the hard disk drive into the plastic bracket (1). The drive must engage in the plastic nipple.
- ▶ Fold the plastic bracket in the direction of the arrow (2) on the hard disk drive.
- ▶ Push the hard disk drive into the drive carrier until the plastic bracket engages (3).

Installing the second hard disk drive

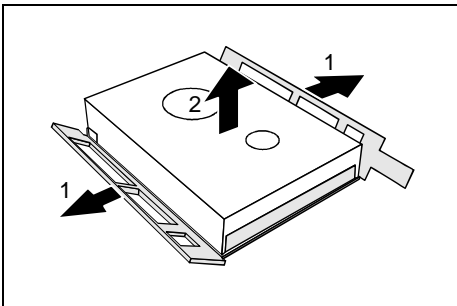


- ▶ Take the new hard disk drive out of its packaging.
- ▶ Make the required settings (e. g. master/slave, stand alone) on the drives.
- ▶ Slide the hard disk drive into the drive carrier (1).
- ▶ Fasten the drive with the screws (2).

Removing the first hard disk drive

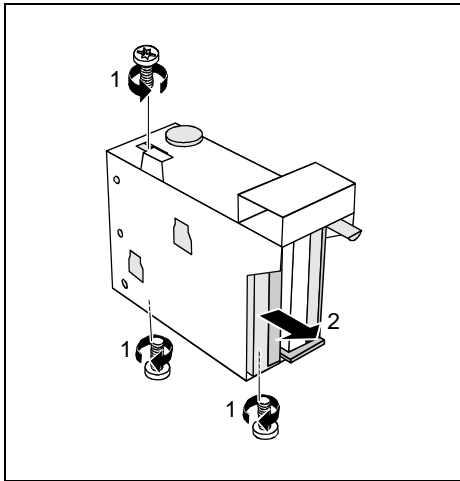


- ▶ Lightly press on the clip (1).
- ▶ Pull the hard disk drive out of the carrier (2).



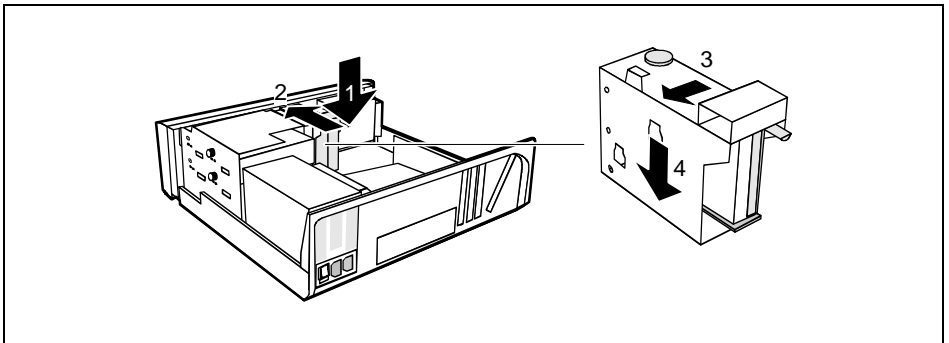
- ▶ Fold the plastic bracket in the direction of the arrow (1).
- ▶ Remove the hard disk drive (2).

Removing the second hard disk drive



- ▶ Remove the screw (1).
- ▶ Pull the hard disk drive out of the carrier (2).
- ▶ Make the required settings on the remaining hard disk drive (e.g. stand alone).

Installing the hard disk carrier



- ▶ Plug the data and the power supply connectors into the hard disk drive or into the hard disk drives.
- ▶ Lift the hard disk carrier into the system unit in the direction shown by the arrow (1) and push it forward until it engages (2).
- ▶ Press the hard disk carrier in the direction of the arrow (3) and press it downward (4).
- ▶ Close the system unit (see "[Assembling the system unit](#)").



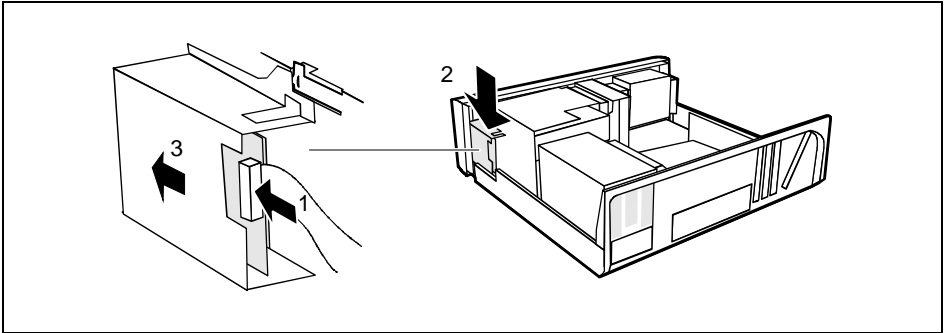
If necessary, you must adapt the entry for the drive in the Setup menu.

Installing/removing a chipcard reader

- ▶ Open the system unit (see "[Opening the system unit](#)").

Installing a chipcard reader

- ▶ Remove the protector panel at the front of the carrier.
- ▶ Push the chipcard reader board into the guide rail of the carrier with the component's side toward the panel.
- ▶ Fix the board with the screw.

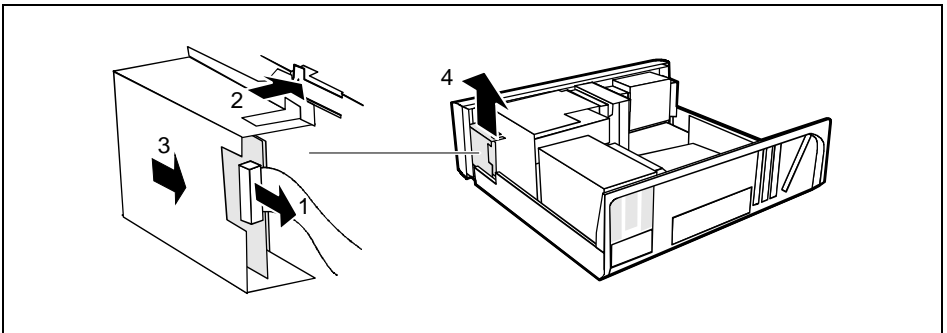


- ▶ Fix the cable on the chipcard reader (1) and on the connector for the chipcard reader on the system board (see the Technical Manual of the system board).
- ▶ Lift the chipcard reader into the system unit (2).
- ▶ Push the chipcard reader in the direction of the arrow (3) until it clicks into position. Press downward and toward the drive cage while doing so.



With the chipcard reader connected, no devices may be connected to serial port 2.

Removing a chipcard reader



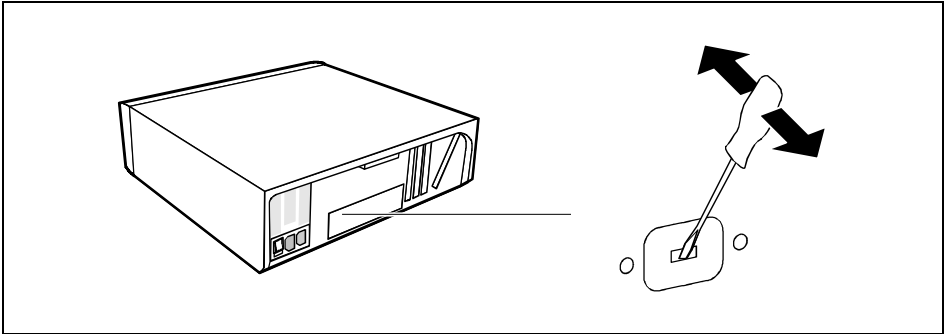
- ▶ Pull the cable off the chipcard reader (1) and off the connector for the chipcard reader on the system board (see the Technical Manual of the system board).

System expansions

- ▶ Press on the clip (2).
- ▶ Pull the chipcard reader in the direction of the arrow (3).
- ▶ Lift the chipcard reader out of the system unit (4).

Installation opening for 2nd serial port

An installation opening for the 2nd serial port is provided on the back of the casing. As a result, this means no board slot is occupied.



- ▶ Insert a screwdriver into the opening and break out the pre-stamped installation opening by moving back and forth.

Extensions on the system board

Details of how and if you can upgrade the main memory or the processor of your PC are provided in the Technical Manual for the system board. Below the necessary steps are described to enable you to work on the system board.

Open the system unit (see "[Opening the system unit](#)").

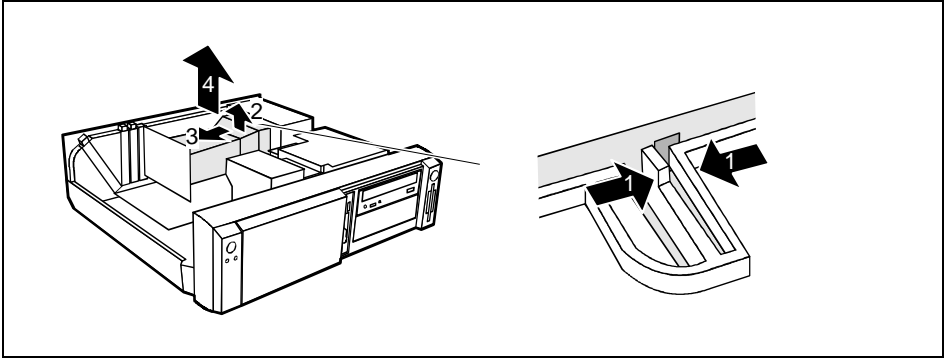
Upgrading main memory

- ▶ Upgrade the memory as it is described in the Technical Manual for the system board.
- ▶ Close the system unit (see "[Assembling the system unit](#)").

Replacing processor and lithium battery

To replace the processor and the lithium battery, you must remove the ventilation duct.

Removing ventilation duct



- ▶ Press the clip together (1).
- ▶ Lift the ventilation duct slightly (2) and guide the ventilation duct out of the guide holes (3).
- ▶ Remove the ventilation duct from the unit (4).

You have free access to the locations.

Replacing processor

- ▶ Make the desired expansions (see the Technical Manual for the system board).

Replacing lithium battery

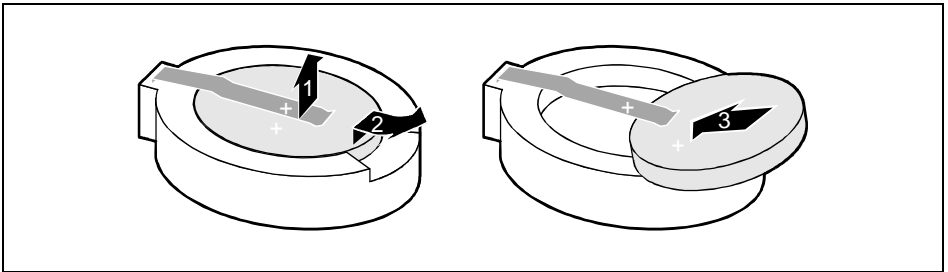


Incorrect replacement of the lithium battery may lead to a risk of explosion.

The lithium battery may be replaced only with an identical battery or with a type recommended by the manufacturer.

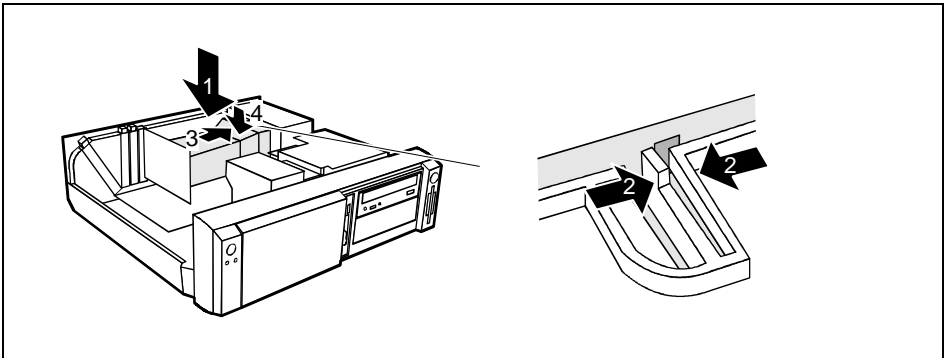
Do not throw lithium batteries into the trashcan. It must be disposed of in accordance with local regulations concerning special waste.

Make sure that you insert the battery the right way round. The plus pole must be on the top!



- ▶ Lift the contact (1) a few millimeters and remove the battery from its socket (2).
- ▶ Insert a new lithium battery of the same type in the socket (3).

Installing ventilation duct



- ▶ Lift the ventilation duct into the unit (1).
- ▶ Press the clip together (2).
- ▶ Insert the ventilation duct into the guide holes (3) in the power supply.
- ▶ Push the ventilation duct downward until the clip engages (4).
- ▶ Close the system unit (see "[Assembling the system unit](#)").

Technical data

Electrical data

Regulations complied with:	EN 60950 / VDE 0805 UL 1950 CSA 22.2 No.950
Protection class:	I
Rated voltage range: (selectable)	100 V - 125 V / 200 V - 240 V
Frequency:	50 Hz - 60 Hz
Max. rated current	
• System unit with monitor socket:	100 V -125 V/5.5 A 200 V -240 V/3.0 A
• Monitor socket (output)	100 V -125 V/3 A 200 V -240 V/1.5 A
Maximum power draw in operation:	< 60 W *)
Minimum power draw in operation: reduced by Windows 9x <i>Power management advanced_</i>	< 35 W *)
Power draw in energy saving mode:	< 30 W *)
Power draw in the 'ready' status	< 5 W *)
Noise emission:	Sound power level (L_{WAd}) < 55 dB (A) *)
*) These values only apply for a SCENIC 600 / SCENIC xB with the configuration below. When additional or other components are incorporated, the power consumption or the sound emission (L_{WAd}) in energy saving mode may exceed the requirements for the environment symbol ("Blue Angel") (30 W or 55 dB).	
Processor (512 Kbyte cache):	Pentium III Processor at 600 MHz
Main memory:	192 Mbyte
Floppy disk drive:	1.44 Mbyte
Hard disk drive:	6.4 Gbyte
CD-ROM drive:	32fold
Graphics:	Matrox MGA G100 AGP
LAN:	10/100 Mbit Ethernet Controller onboard

Dimensions

Width/depth/height: 454 mm/475 mm/ 138 mm

Weight

in basic configuration ca. 11 kg (107.9 N) in basic configuration

Environmental conditions

Environment class (3K2) DIN IEC 721 part 3-3
Environment class (2K2) DIN IEC 721 part 3-2

Temperature:

- Operating (3K2) 15 °C 35 °C
- Transport (2K2) -25 °C 60 °C

Condensation in operating must be avoided.

Clearance required to ensure adequate ventilation:

- left-hand side min. 200 mm
- front min. 200 mm
- rear min. 200 mm



Do not place several system units one above the other.

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