

# VIKING MEMORY

## INSTALLATION GUIDE

IBM®

ThinkPad 380, 380D, 380E, 380X, 380XD, 385, 385E, 385ED, 385XD; 560, 560E, 560X



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**SPEED • POWER • PERFORMANCE®**

The IBM ThinkPad 380, 380D, 380E, 385, 385E, 385ED and 560E come standard with 16MB of memory soldered. They can be expanded to a maximum of 80MB by installing the following Viking Components memory options into their one available expansion slot.

The IBM ThinkPad 380X, 380XD, 385XD and 560X come standard with 32MB of memory soldered. They can be expanded to a maximum of 96MB by installing the following Viking Components memory options into their one available expansion slot.

The IBM ThinkPad 560 comes standard with 8MB of memory soldered. It can be expanded to a maximum of 40MB by installing the following Viking Components memory options into its one available expansion slot.

Description	Viking P/N
8MB EDO SO DIMM	I7340, RI7340
16MB EDO SO DIMM	I7341, RI7341
32MB EDO SO DIMM	I7342, RI7342
64MB EDO SO DIMM**	I0268, RI0268

\*\*Only available for the 380, 380D, 380E, 380X, 380XD, 385, 385E, 385ED and 385XD models.

### ⚠ Caution:

Electro Static Discharge (ESD) can damage electronic components. Before touching the memory module, ensure that you are discharged of static electricity by touching a grounded metal object.

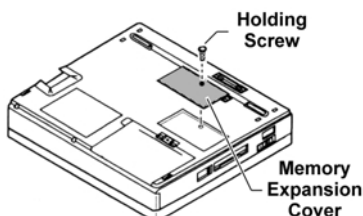
## INSTALLATION INSTRUCTIONS:

1. Turn the computer off and disconnect the AC power supply and any other cables from the unit.

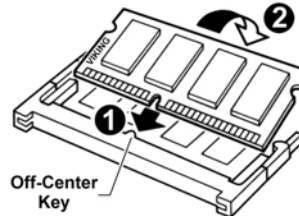
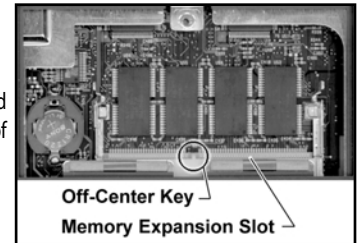
**Note: If the unit appears to be powered down, ensure that it is not in Suspend mode.**

2. Turn the computer upside-down and rotate it so that you are facing the front of the system. Remove the battery from the system. If you are not familiar with this procedure, please refer to your computer's "Owner's Manual."

3. Locate the memory expansion cover on the right-side of the bottom panel. Also locate its holding screw. Use a small Phillips screwdriver to remove the holding screw. Remove the cover by lifting it upwards.



4. Locate the memory expansion slot and notice the location of the off-center notch of the expansion slot.



5. To install a memory module, insert the module into the expansion slot at an angle and then push it down until it clicks into place. To be certain that the module is installed correctly, ensure that the off-center notch on the module is aligned with the off-center notch of the expansion slot. The module can only be installed one way due to the position of the notch.

6. Replace the memory expansion cover and be sure to secure its holding screw.

7. Insert the battery back into its compartment and turn the system right-side up.

8. Replace the AC power supply and any other cables you may have disconnected.

9. Open the display screen. Press and hold the "F1" key, then turn your computer on to start the Easy-Setup program. You can confirm the memory size count at the upper left corner as the program starts. To test the memory, select "Test" then "Memory" from the main menu of Easy-Setup. If an error is detected the module will need to be reinstalled. If an "OK" message appears, exit the Easy-Setup program.

10. After installing the memory into the ThinkPad 560, you will need to create a new hibernation file. Please continue to step 11. If you have just upgraded a ThinkPad 380 or 380D and were using hibernation mode before the starting the upgrade, you will need to create a new hibernation file. Please refer to "Creating the Hibernation File" in your computer's "Owner's Manual." If you do not need to create a new hibernation file, your installation is complete.

11. If you are using OS/2 or Windows, start the ThinkPad Features program. Click on the "Battery" icon. Then click on the "Suspend/Hibernation/Resume options" icon. Next click on the "Enable Hibernation" button in the menu. Make sure the hard disk drive in the computer is selected. Press the "OK" button to create the hibernation file.

12. If you are using DOS only, type: PS2 HFILE C at the command prompt. Press the "Enter" key and the hibernation file is created on the "C Drive".

The installation is now complete.

## WARRANTY & DISCLAIMERS:

All Viking Components products have been thoroughly tested free of defects in material and workmanship. If any malfunction should occur while using one of our products in its recommended environment, Viking, at its option, will repair or replace the product at no charge, provided the product or any part thereof has not been abused, misused, neglected, replaced, repaired or modified. Viking shall make the final determination as to the existence and the cause of any defect. Viking will not repair or replace products designated as having a "Limited Lifetime" which fail solely because their estimated life has expired. No warranty is made with respect to customer products produced to original purchaser specifications except as specifically stated in writing by Viking.

All shipping costs shall be the responsibility of the purchaser.

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