Dell Precision™ Workstations Fan Locations

- Dell Precision Workstation 650 Computer
- Dell Precision Workstation 450 Computer
- Dell Precision Workstation 530 Computer
- Dell Precision Workstation 620 Computer



NOTE: Part numbers listed with each fan are subject to change.



NOTE: Overtemp indicates that the processor temperature has risen, and it does not necessarly indicate a fan failure.



NOTE: *Thermtrip* indicates a catastrophic failure.

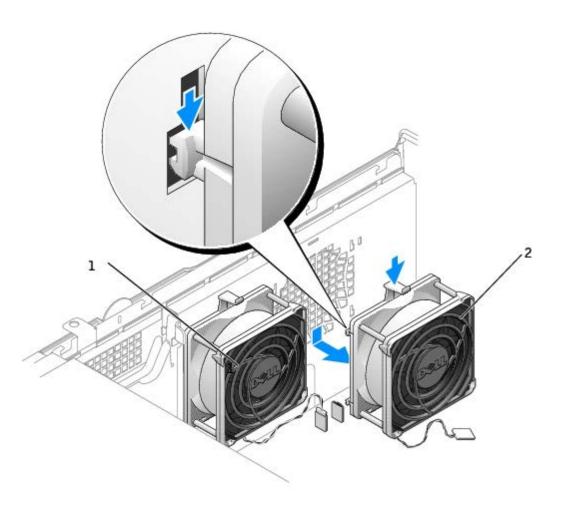
Dell Precision Workstation 650 Computer

Error Messages

Fan Failure		Boot Message (F1/F2)	Event Log Message	
AGP card- cage fan	During boot	Alert! Card-cage fan failure	<date> <time> Out of Range Card-cage Fan</time></date>	
	Run time	On next boot: Alert! Previous fan failure	<date> <time> Out of Range Card-cage Fan</time></date>	
CPU 0 fan	During boot	Alert! CPU 0 Fan Failure	<date) <time=""> Out of Range CPU 0 Fan</date)>	
	Run time	On next boot: Alert! Previous fan failures	<date> <time> Out of Range CPU 0 Fan</time></date>	
CPU 1 fan	During boot	Alert! CPU 1 fan failure	<date> <time> Out of Range CPU 1 Fan</time></date>	
	Run time	On next boot: Alert! Previous Fan Failure	<date> <time> Out of Range CPU 1 Fan</time></date>	
CPU 0 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	<data><time> Out of range CPU 0 Temperature</time></data>	
		On next boot: Alert! Previous processor thermal failure		
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	<data><time> Out of range CPU 0 Temperature</time></data>	
		On next boot: Alert! Previous processor thermal failure	·	
CPU 1 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	<data><time> Out of range CPU 1 Temperature</time></data>	
		On next boot: Alert! Previous processor thermal failure	Temperature	
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	<data><time> Out of range CPU 1 Temperature</time></data>	
		On next boot: Alert! Previous processor thermal failure	remperature	
System Thermtrip	During	System immediately shuts down!		
	boot	On next boot: Alert! Previous shutdown due to thermal event		
	Run	System immediately shuts down!		

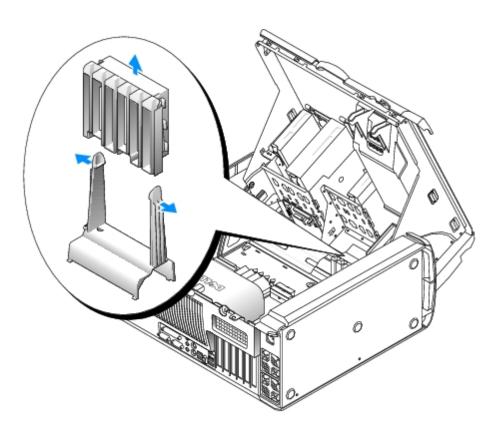
	time	On next boot: Alert! Previous shutdown due to thermal event	
Power supply fan 1	During boot	Alert! Power supply fan failure	<date> <time> Out of Range Power Supply Fan 1</time></date>
	Run time	Alert! Previous fan failure	<date> <time> Out of Range Power Supply Fan 1</time></date>
Power supply fan 2	During boot	Alert! Power supply fan failure	<date> <time> Out of Range Power Supply Fan 2</time></date>
	Run time	Alert! Previous fan failure	<date> <time> Out of Range Power Supply Fan 2</time></date>

PN 0U231 — CPU fan, independently replaceable, two per system

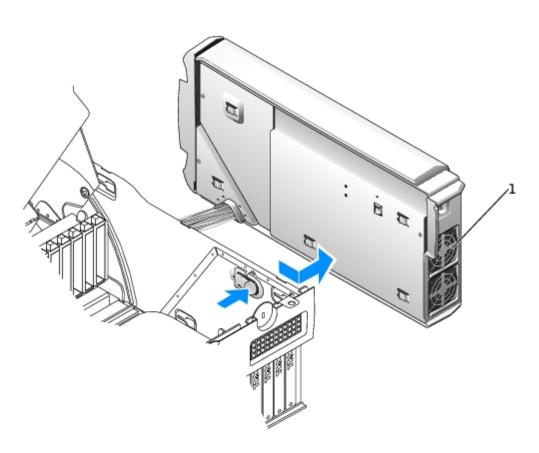


1	CPU 1 fan
2	CPU 0 fan

PN 5M486 — AGP card cage fan



PN 1M475 — Power supply fan, 460W (dual fan power supply)

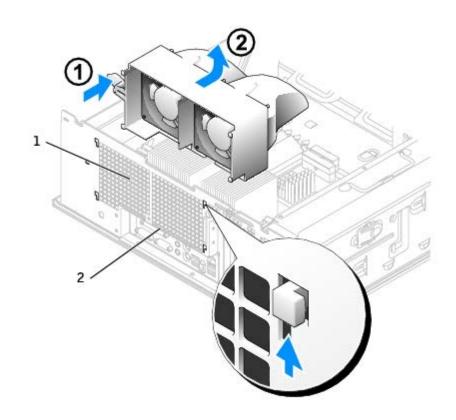


Dell Precision Workstation 450 Computer

Error Messages

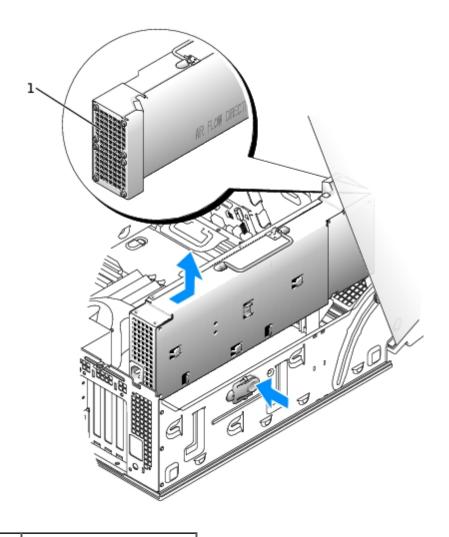
Fan Failure		Boot Message (F1/F2)	Event Log Message	
CPU 0 fan	During boot	Alert! CPU 0 Fan Failure	<date) <time=""> Out of Range CPU 0 Fan</date)>	
	Run time	On next boot: Alert! Previous fan failures	<date> <time> Out of Range CPU 0 Fan</time></date>	
CPU 1 fan	During boot	Alert! CPU 1 fan failure	<date> <time> Out of Range CPU 1 Fan</time></date>	
	Run time	On next boot: Alert! Previous Fan Failure	<date> <time> Out of Range CPU 1 Fan</time></date>	
CPU 0 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<data><time> Out of range CPU 0 Temperature</time></data>	
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<data><time> Out of range CPU 0 Temperature</time></data>	
CPU 1 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<data><time> Out of range CPU 1 Temperature</time></data>	
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<data><time> Out of range CPU 1 Temperature</time></data>	
System Thermtrip	During boot	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event		
	Run time	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event		
Power supply fan 1	During boot	Alert! Power supply fan failure	<date> <time> Out of Range Power Supply Fan 1</time></date>	
	Run time	Alert! Previous fan failure	<date> <time> Out of Range Power Supply Fan 1</time></date>	
Power supply fan 2	During boot	Alert! Power supply fan failure	<date> <time> Out of Range Power Supply Fan 2</time></date>	
	Run time	Alert! Previous fan failure	<date> <time> Out of Range Power Supply Fan 2</time></date>	

PN 7P974 — Dual CPU fans/shroud assembly



1	CPU 0 fan
2	CPU 1 fan

PN 2P222 — Power supply fan, 360W



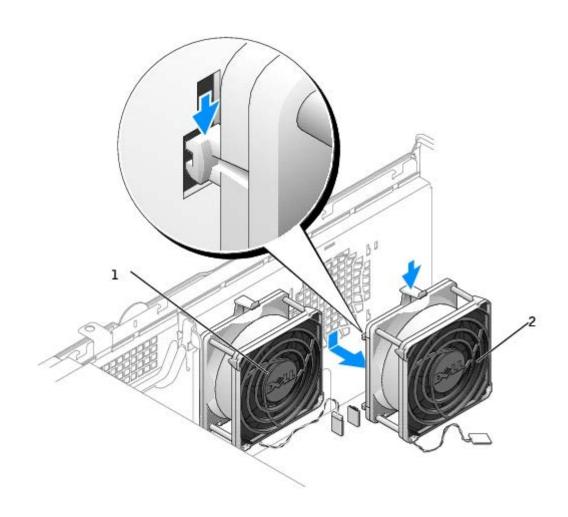
1 power supply fans (2)

Dell Precision Workstation 530 Computer

Fan Failure		Boot Message (F1/F2)	Event Log Message	
AGP card-cage fan	During boot	Alert! Card cage fan not detected	Out Of Range Card-cage Fan	
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Card-cage Fan	
CPU 0 fan	During boot	Alert! CPU 0 fan not detected	Out Of Range CPU 0 Fan	
	Run time	On next boot: Alert! Previous fan failure	Out Of Range CPU 0 Fan	
CPU 1 fan	During boot	Alert! CPU 1 fan not detected	Out Of Range CPU 1 Fan	
	Run time	On next boot: Alert! Previous fan failure	Out Of Range CPU 1 Fan	
CPU 0 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	Out Of Range CPU 0 Temperature	
		On next boot: Alert! Shutdown due to thermal event		
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute	Out Of Range CPU 0 Temperature	

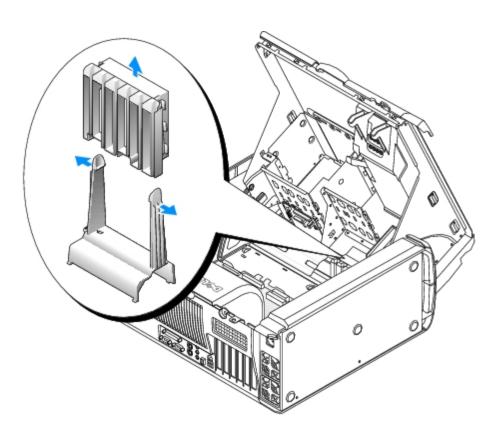
		On next boot: Alert! Previous temperature failure at Processor 1			
CPU 1 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	Out Of Range CPU 1 Temperature		
	Run time	On next boot: Alert! Previous shutdown due to thermal event	Out Of Range CPU 1		
	Run time	NOTE: The computer will shut down if this issue is not resolved within about 1 minute.	Temperature		
		On next boot: Alert! Previous temperature failure at Processor 2			
Power supply fan 1	During boot	Alert! Power supply fan failure	Out Of Range Power Supply Fan 1		
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Power Supply Fan 1		
Power supply fan 2	During boot	Alert! Power supply fan failure	Out Of Range Power Supply Fan 2		
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Power Supply Fan 2		
System Thermtrip	During boot	System immediately shuts down!	Out Of Range CPU 0 Temperature		
Пиеннир		On next boot: Alert! Previous shutdown due to thermal event	Temperature		
	Run time	System immediately shuts down!	Out Of Range CPU 0 Temperature		
		On next boot: Alert! Previous shutdown due to thermal event.	remperature		
System Thermtrip	During boot	System immediately shuts down!	Out Of Range CPU 1 Temperature		
		On next boot: Previous shutdown due to thermal event	remperature		
	Run time	System immediately shuts down!	Out Of Range CPU 1		
		On next boot: Alert! Previous shutdown due to thermal event	Temperature		

PN 929FF — CPU fan, independently replaceable, two per system

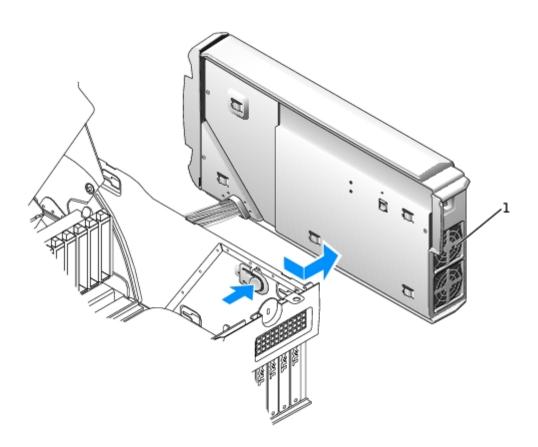


1	CPU 1 fan		
2	CPU 0 fan		

PN 0C252 — AGP card cage fan



PN 1M475 — Power supply fan, 460W

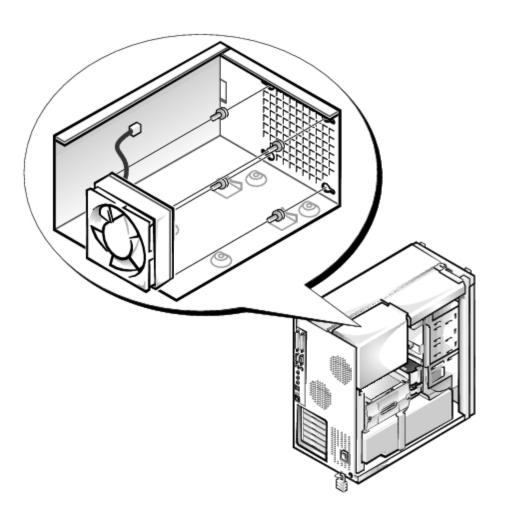


Dell Precision Workstation 620 Computer

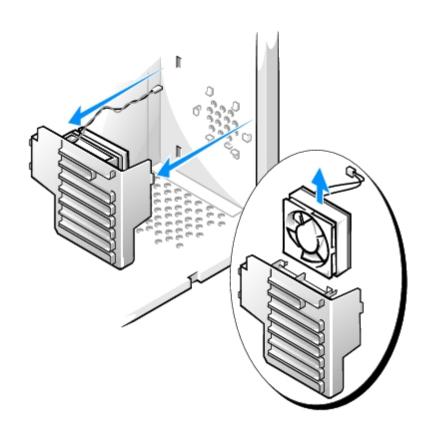
NOTE: Precision Workstation 620 computers do not have an event log.

Fan Failure		Boot Message (F1/F2)
AGP card-cage fan	During boot	No message
	Run time	No message
CPU fan	During boot	Alert! CPU fan not detected
	Run time	On next boot: Alert! Previous system fan failure
CPU 0 Overtemp	During boot	NOTE : The computer will shut down if this issue is not resolved within about 1 minute.
		On next boot: Alert! Previous shutdown due to thermal event
CPU 1 Overtemp	During boot	NOTE: The computer will shut down if this issue is not resolved within about 1 minute
		On next boot: Alert! Previous temperature failure at Processor 1
System	During	System immediately shuts down!
Thermtrip	boot	On next boot: Alert! Previous shutdown due to thermal event
	Run time	System immediately shuts down!
		On next boot: Alert! Previous shutdown due to thermal event
Power supply fan 1	During boot	Alert! Power supply fan failure
	Run time	On next boot: Alert! previous power supply fan failure
Power supply fan 2	During boot	Alert! Power supply fan failure
	Run time	On next boot: Alert! Previous power supply fan failure
System fan (memory riser fan)	During boot	Alert! System fan not detected
	Run time	On next boot: Alert! Previous system fan failure

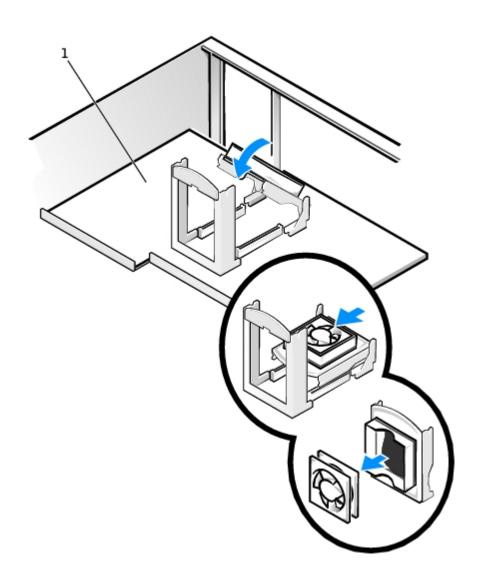
PN D0744 — CPU/system fan (service kit to replace fan, not the bracket, which can be reused.)



PN 8329R — AGP fan

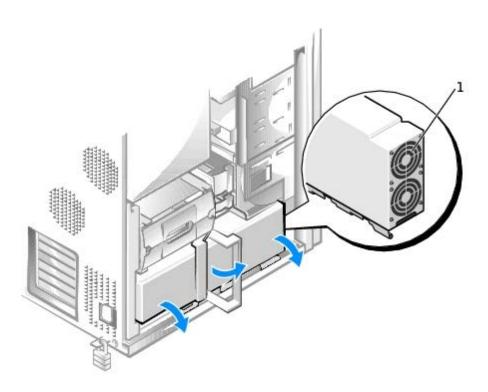


PN 7069P — Memory riser fan



1 memory riser fan

PN 41UFC — Power supply fans



1 power supply fans (2)

Information in this document is subject to change without notice.
© 2003 Dell Computer Corporation. All rights reserved. Printed in the U.S.A.

Reproduction in any manner whatsoever without the written permission of Dell Computer Corporation is strictly forbidden.

Trademarks used in this text: *Dell, Dell Precision*, and the *DELL* logo are trademarks of Dell Computer Corporation. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Computer Corporation disclaims any proprietary interest in trademarks and trade names other than its own.