Field Change Order Number: 00-XP1000 F001
Field Change Order Name: XP1000 NT4 – EV6 V2.3
Customer Document Number: FA-05105-01

COMPAQ **Field Change Order Instructions**

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Applicability:

Compaq Professional Workstations XP1000 **Windows NT** systems

2-5-2 Part#	6-3 Part#	Description
SN-E2F6W-V2	143860-B21	NT SBB/CTO
SN-E2F6W-CA	129117-B21	CIP only – upgrade only for NT
SN-E2F6Q-C*	380406-37*	NT PACKAGED SYSTEMS, CHINESE
SN-E2F6Q-E*	380406-02*	NT PACKAGED SYSTEMS, EUROPEAN
SN-E2F6Q-H*	380406-39*	NT PACKAGED SYSTEMS, JAPANESE/ENGLISH
SN-E2F6Q-J*	380406-29*	NT PACKAGED SYSTEMS, JAPANESE
SN-E2F6Q-V*	380406-00*	NT PACKAGED SYSTEMS, USA

Problem Statement:

XP1000 workstations configured with EV6 V2.3 chips are incompatible with Windows NT4.0 SP4 and SP5.

Symptom:

Customers with XP1000 workstations with EV6 2.3 chips that install Windows NT4.0 SP4 or SP5 will experience system hangs.

Solution:

A new version of the EV6 chip, V2.4, has been tested with NT4.0 SP5 and the problem has been resolved.

Replace XP1000 EV6 V2.3 system board, 54-25088-01 with either the 54-25088-04 or 54-25088-05 XP1000 EV6 V2.4 system board.

Replace	Replacement	EQ-Kit to Order
54-25088-01 EV6 V2.3 500Mhz system board	54-25088-04 or –05 EV6 V2.4 500Mhz system Board	EQ-01769-01, EV6 V2.4 500Mhz system board, Update Floppy

Additional Information:

Quick Check: N/A

Pre/CO-Requisite: N/A

Mean Time To Install: 30 minutes

Tool/Test Equipment: N/A

Field Change Order Parts Information:

FCO KIT Number	DESCRIPTION OF CONTENTS
EQ-01769-01	XP1000 FCO kit
54-25088-04 or –05	Qty 1, EV6 V2.4 System Module, 500Mhz
QA-4FAAD-UW	HAL, PAL, and AlphaBIOS update kit
AK-RJSLA-CA	Update Floppy
AV-QM1NB-TH	Alpha Sys Upd Win NT SEL
FA-05105-01	Compaq Field Change Order Instructions

Special Instructions: None

Installation Procedure:

For pictorial instructions, reference the on line XP1000 Service guide (Compaq Internal Access Only)
http://inline.compaq.com/pg/ecg/wkstns/prods/XP1000docs.asp

> **Warning:** *CPU and memory modules have parts that operate at high temperatures. Wait 2 minutes after power is removed before handling these parts*

Replacement & Upgrade

1. Shutdown the operating system.

2. Turn power off.

3. UNPLUG the line cord from the system enclosure.

4. Loosen the 3 thumb screws on the rear of the system enclosure.

5. Remove the top/side cover.

6. Using the handles on the front of the CPU module, unplug the CPU module.

7. Remove the new CPU module from the static bag and make sure the handles on the front of the module are closed completely.

8. Line up the new CPU module with the 2 card guides at each side and slide the CPU module along the guides until the CPU module is seated in the motherboard connector. Be sure the module is FULLY SEATED in the connector. The gold fingers of the CPU module should NOT be visible.

9. Replace the top/side cover and tighten the thumb screws on the rear.

10. Plug the line cord back into the system enclosure.

11. Installing HAL and PAL:

> **CAUTION: The two software items in this package MUST be installed in the proper order, or the system will fail to boot! The HAL/PAL software must be installed first, followed by the AlphaBIOS firmware.**

   a. Boot Windows NT V4.0.

   b. Insert the update floppy, AK-RJSLA-CA, from this kit and invoke it by entering:

        a:\update

   c. Answer the questions presented in the installation
      wizard. Compaq recommends that you allow the software
      to create an uninstall directory; this provides a backup
      of the older files. If you are asked whether to replace
      any files, answer "yes."

   d. At the end of this installation procedure, Windows NT will be rebooted automatically.

12. Installing AlphaBIOS:

    a. At the AlphaBIOS boot screen, press F2 to enter the
       AlphaBIOS menu environment.

    b. Insert the update floppy, AK-RJSLA-CA, from this kit and invoke it
       by selecting the "Upgrade AlphaBIOS" option.

    c. Follow the on-screen instructions.

    d. At the end of this installation procedure, the firmware will be restarted automatically.
       In addition, please press the reset button or power-cycle the system to ensure that the
       new firmware is booted before resuming production.

Notes:

The HAL and PAL portion of this kit must be installed by invoking the UPDATE program in the
kit in order to assure proper operation. The UPDATE program will install all appropriate files from
the kit into the system. If the UPDATE procedure asks you if it should replace your OEM-supplied
HAL, please select "Yes."

HAL Revision G (provided in this package) supersedes the Windows NT 4.0 Service Pack 6 (SP6)
release HAL, as well as Compaq OEM HAL Release F.

**C A U T I O N: Use ALL ESD safety precautions to prevent DOA's on material in kit. The module,
as with all modules, contain electrostatic discharge sensitive devices (ESDS).   The use of the Velostat
Kit or ESD module box is essential to prevent damage, which may not be noticed immediately.**