

**Read Before Installing
MPE/iX Release 6.5 PowerPatch 4
Software Release C.65.04**

HP e3000 MPE/iX Computer Systems



i n v e n t



**Manufacturing Part Number: 30216-90349
E0703**

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1. Information You Need Before Installing MPE/iX 6.5 PowerPatch 4

Improper version number in C.65.02

Some systems that were preloaded with MPE/iX release 6.5 PowerPatch of Express 2, have been found to have a typographical error in line 3 of the HPSWINFO.PUB.SYS file. Specifically, the third line of HPSWINFO.PUB.SYS shows "MPE/iX MIT C6502" instead of "MPE/iX MIT C.65.02".

This problem causes Patch/iX to fail (during a patch installation) with the following error:

```
"ERROR: HP Patch/iX failed to read the VUFs from the HPSWINFO.PUB.SYS
file (PMERR 156)."
```

Before installing the C.65.04 PowerPatch, check to see if you have this condition. If the condition exists, edit the HPSWINFO file to change the VUF to C.65.02.

CR# JAGae50566 / 8606286627

HPINSTAL & AUTOINST work file needs to be larger

Version E.12.01 of AUTOINST and version B.13.03 of HPINSTAL have a fix for this and these versions **must be restored** from the 6.5 PowerPatch 4 tape before using them for installation of this PowerPatch release.

:NMMAINT,26 may report missing MTERMDSM

After certain installations of the C.65.04 PowerPatch, the file MTERMDSM.DIAG.SYS may be missing, resulting in the following warning message when nmmaint,26 is run:

```
NM program file: MTERMDSM.DIAG.SYS      ** NOT INSTALLED **
```

The 'missing' MTERMDSM file is actually the same as TERMDSM. No problem exists, and no action needs to be done, but TERMDSM can be copied to MTERMDSM.DIAG.SYS to avoid the warning message.

CR# JAGae78289 / 8606315566

:STMSHUT sometimes unable to completely close daemon

During certain installations of the C.65.04 PowerPatch, an installation job has been found to fail due to the inability of the diagnostic monitor to completely shutdown. The symptom of the problem is that the job I0231900 will abort, which will trigger the installing tool (usually HPINSTALL) to systematically abort. Within the spoolfile of this jobstream, the following failure text is seen:

```
:purge /usr/lib/libmcats.sl
EXCLUSIVE VIOLATION: FILE ACCESSED EXCLUSIVELY (FSERR 91)
Unable to purge file "/usr/lib/libmcats.sl". (CIERR 384)
REMAINDER OF JOB FLUSHED.
```

This condition can be resolved, and the installation can be resumed, by following these steps (user entries are in **bold** below):

1. Kill the diagmond daemon.

From MANAGER.SYS,

```
:run sh.hpbin.sys
$ ps -ef | grep diagmond
```

The above command should return a line similar to this:

```
0 65584 1 0 Jan 01 1:10 /usr/sbin/stm/uut/bin/sys/diagmond
  ^^^^^
```

Note this number. It is the pid number of the process that needs to be killed. Issue the kill command for this pid:

```
$kill 65584 (for pid# 65584)
```

Now, verify that the process has been aborted, by repeating the 'ps' command:

```
$ ps -ef | grep diagmond
```

There should not be any entries returned. Merely a line-feed. If the entry is still showing, use this kill command:

```
$kill -9 65584 (for pid# 65584)
```

2. Resume the installation. Merely run the installer program again. Make sure you are in the INSTALL group, and issue the run command.

```
:run hpinstal
```

The installation process will detect where it left off, and will resume from that point.

2. Patch Information for MPE/iX 6.5 PowerPatch 4

The following table provides a list of patch index numbers and a description of the patch.

Patch Index	Description
APCFDX6B	- 6.5 APACHE 1.3.9 WITH DSO CAPABILITY
APPGDF6A	- PROVIDE TIME STAMPS TO APPC LOGGING MESSAGES ON MPE/IX 6.5
ARMLXY7C	- ARMSERVER ALIGNMENT TRAP
ATCLXV7A	- IMAGE/SQL INTERNAL ERROR 137,0,0,0 (DBERR 13553) VERSION
BBRLXJ1A	- BUSINESS BASIC DEC. LIBRARY FIX FOR UNINIT ERR PARM IN
BBXMXA3A	- BUSINESS BASIC/IX COMPILER A.00.24: FIX BUGS IN SELECT
BROLXY0B	- HPBROWSE/IX 36384A.00.06 HFS FILENAME AND BYTE-STREAM FILE
BT1GD35A	- GENERAL FIXES FOR NIO 100BT LINK (B5427BA) ON MPE/IX 6.5 (A0)
COBMB0A	- COBOL II/IX PERFORMANCE PROBLEM
CONGD94A	- 6.5 CONSOLE HANG IN LDM_GET_WRITE_BUF STATE.
DCCGDQ4A	- DCC 6.5, NDM INBOUND BUFFER POOL BEING EXCEEDED.
DTCGDB7A	- 6.5 DTC HOST DOWNLOADS, EQUIVALENT TO ODMGDB6, OV DTCMGR
DTSGDJ3A	- GENERAL FIXES FOR DTS TERMINAL I/O ON MPE/IX 6.5 (I) PATCH
EDTMXF7A	- HP EDIT A.02.36: FIX PROBLEM WITH SPOOL FILE DISPLAY AND SAVE.
FDDHD33A	- GENERAL FIXES FOR FDDI DRIVER ON MPE/IX 6.5 (C0 PATCH)
FTPGDY7A	- GENERAL FIXES FOR FTP FOR 6.5 RELEASE (L2 PATCH).
FWSLXT5B	- PROVIDE REV. 3728 FIRMWARE FILE FOR 28696A FW SCSI DEVICE
INFKXH6C	- INFORM 32246A.11.04 FIX PARENT/CHILD ITEM NOT IN ANY DATA SET OR
INTGDG3A	- GENERAL FIXES FOR INTERSRV PRODUCTS ON MPE/IX 6.5 (C)
ITOED07B	- PROVIDE 5.5 FUNCTIONALITY IN XL.PUB.SYS FOR 6.0 & 6.5 HP3000 ITO
JDBLXU8B	- JDBC SHOULD BE ABLE TO HANDLE TRANSLATIONS UNICODE<-->ROMAN8
LANHD34A	- GENERAL PATCH FOR 6.5 PUSH LAN/XL LINK & TOKEN RING DRIVER (D0)
LAPGDN7A	- GENERAL FIXES FOR LAPB DRIVER ON MPE/IX 6.5 (B0)
LNKLXG1A	- CUMULATIVE PATCH: MISCELLANEOUS LINKEDIT FIXES.
LSSGDJ6A	- GENERAL FIXES FOR LSS/IX ON 6.5 (A PATCH)
MCMFDW3A	- GENERAL FIXES FOR MCM ON MPE/IX 6.5
MIRMX23B	- VOLUTIL COPYVOL *ERROR: SUBSYS 192, INFO: 652; FIX FOR MIRVUTIL
MPEKX92D	- AIFSCPUT 3058 DOESN'T WORK IF NO AIF LOGGING, AND NOT VV.UU.FF
MPEKXD3B	- SYSGEN PORTION OF HAFO (MPEKXD2, MPEKXD3, MPEKXD4, MPELX95)
MPEKXK4E	- SA615 DURING MPEX COPY FROM ONE VOLUME SET TO ANOTHER
MPEKXR9C	- SPOOLF;PRINT OF UNLINKED SPOOLFILES FAILS WITH MPEKXG0 INSTALLED
MPEKXV3B	- CREATE MPE-NAMED FILE VIA NON-MPE NAMED SYMLINK--NO FILENAME IN
MPEKXY5C	- SA773 OR FILES LEFT ACCESSED, WHEN USING NFS/IX PRODUCT
MPELX24C	- SA1482 WHILE PROCESSING AN AIF PORT INTERRUPT (REPLACES MPEKXV6)
MPELX34C	- FIX 128 BYTE BOUNDARY CORNER CASE WITH TLB CAUSING BOOT FAILURES
MPELX37B	- ADDRESSES MULTIPLE PROBLEMS WITH TAR UTILITY
MPELX42C	- Y2K LEAP YEAR PROBLEM W/CM HPYEAR/HPMONTH/ETC. VARS/JCWS, AND
MPELX47B	- DAT/DEBUG FIXES. HP__VERSION, RM_SEMAPHORE FIX AND
MPELX53B	- AIFSYSWIDEGET W/ITEMS 6001, 6201 DOESN'T RETURN ALL
MPELX63A	- DEFINITION OF AIFACCTPUT IN AIFINTR FILE CAUSES PROBLEMS WITH C.
MPELX67B	- HPDATECONVERT DOES NOT ACCEPT A VALID OUTPUT DATE PARAMETER
MPELX68A	- CALLING NM CKERROR CAUSES DATA MEMORY PROTECTION TRAP
MPELX69A	- HPMC OR HANG DURING BOOT AFTER INSTALLING PATCHES ON 64MB MEMORY
MPELX82C	- SYSTEM HANG CAUSED BY AIFDEVICEGET CALL REQUESTING ITEM #13006
MPELX88A	- AIFFILELPUT ITEM 4101 DOES NOT RECOGNIZE LARGEFILES.
MPELX89F	- DEBUG DOES NOT ALWAYS HANDLE BREAKPOINTS CORRECTLY
MPELX93B	- OS CHANGES FOR CLUSTER/IX PRODUCT
MPELXB2A	- CI COPY COMMAND WITHOUT TARGET FILENAME CAN ABORT JOB/SESSION.
MPELXB7D	- CAN'T INSTALL 959 OR 969 WITH A TAPE CREATED ON A 979 OR 989

Patch Index	Description
MPPELXC2B	- FIXES FOR MULTIPLE JOBQUEUES: SA773, SYSTEM HANG & INCORRECT
MPPELXC4B	- MEMLOGD DAEMON NOT RUNNING ON 6.5 SYSTEMS W/BETWEEN 3.75GB & 4GB
MPPELXD0B	- HANG - LOOP IN XM_GET_GUFD_ACTIVE_TRANSACTIONS
MPPELXG9A	- SVIPCUTL ABORTS WITH LDRERR 472
MPPELXH7A	- SYSTEM HANG WHEN USING AIF PORTS OR AIF:PE ON SYSTEMS WITH BLOCK
MPPELXH9A	- SA1048 FROM SAMPLER_HANDLER WHEN RUNNING PERFORMANCE COLLECTION
MPPELXJ3C	- AIFCHANGELOGON ERROR HANDLING FIXES
MPPELXJ6B	- SA 615 SS143 TRYING TO DEALLOCATE A PLFD LOCKED BY SOME OTHER
MPPELXK3B	- JOBQFILE CORRUPT AFTER START RECOVERY RESULTS IN SYSTEM HANG.
MPPELXL0A	- FSCHECK ONLINE HELP RETURNS A *ERROR: SUBYS: 0, INFO: 4.
MPPELXL5A	- NEWCI COMMAND RESULTS IN 'UNKNOWN COMMAND NAME' AFTER MPPELXG3
MPPELXP3A	- BULDACCT GIVING CIERR 9166 AND 9445 WHEN MORE THAN 1020 DIRS IN
MPPELXQ4B	- REQUEST CHANGE IN LABEL MGMT COMPILE OPTIONS TO SPEED UP FILE
MPPELXR0A	- INTRODUCE DEBUG ACCESS TO PDC AND I/O SPACE ON 6.5 AND LATER
MPPELXT0A	- NEW PATCH TO INCLUDE MPEJXV9(5.5), MPEKXL0(6.0), AND
MPPELXT1B	- NETWORK SPOOLER: 2 FIXES FOR P.JL SYNTAX ERRORS, NMS 9621
MPPELXT7D	- SA -996 DURING PURGE OF A CIR OR RIO FILE
MPPELXU7A	- 3-WAY DEADLOCK INVOLVING CM KSAM FILES AT THE START OF ONLINE
MPPELXU9B	- OLD LOG4ONLN.PUB.SYS CONFIG TRAILS NEED TO BE DELETED AFTER
MPPELXV3A	- SA0 FROM LOCK_OBJECT+\$78 AFTER INSTALLING MPPELXG6
MPPELXV8B	- HANGS OR SA1516 CAUSED BY GUFD OPEN SEMAPHORE NOT BEING UNLOCKED
MPPELXW2A	- JOB/SESSION HANGS DUE TO GDPD SEMAPHORE NOT BEING RELEASED
MPPELXY3B	- AFTER MPPELXU4 FINFO GIVES INCORRECT EOF FOR UNOPENED/UNACCESSED
MPPELXY8C	- SA1350 DURING TERMINATION OF A PROCESS WITH DEBUG BREAKPOINTS
MPPEMX00D	- DCE CDSADV HANGS WITH MPPELXL2 AND MPPELXW8 PATCHES ON MPE/IX 6.5,
MPPEMX02B	- SYSTEM HANG DUE TO 2-WAY DEADLOCK BETWEEN NETWORK SOCKET
MPPEMX13B	- SA 614 DUE TO TRAP FROM TM_MFB_DISC.TM_WRITE_PRIME
MPPEMX19A	- SADPATCH UNABLE TO MODIFY START WHEN > 2GB; MPEKXR2 FIX DROPPED
MPPEMX22B	- VOLUTIL COPYVOL *ERROR: SUBSYS 192, INFO: 652
MPPEMX27B	- HANG OR SA1516 WITH MPPELX41 INSTALLED.
MPPEMX29A	- CATALOG CHANGES FOR MPPEMX28 FIXES (CONSOLE HANG DUE TO ESCAPE
MPPEMX38C	- SA0 DOING A DISCFREE ON VOLUME SET WHICH IS BEING VSCLOSE`D
MPPEMX39A	- HPMC POSSIBLE DURING SHUTDOWN ON > 3.75GB MEMORY SYSTEMS
MPPEMX43B	- FIXES FOR MULTIPLE JOBQUEUES (TOTAL COUNTER, JS 61, CIWARN
MPPEMX74A	- IODFAULT GENERIC DEVICE IDS TO SUPPORT CURRENT AND FUTURE DISKS
MPPEMX76B	- SYSTEM HANGS OR SA773 WITH WORKGROUPS USING MIN/MAX CPU
MPPEMX77A	- DISKS FAIL TO MOUNT AFTER MPEKXD1 IF NOT PRESENT DURING INITIAL
MPPEMX85B	- SHADOW ERROR -38 AND -19 DURING ONLINE PARTIAL BACKUPS
MPPEMX90B	- HPGETPROCPLABEL ABORTS IF BUILDXL LIMIT= BAD NUMBER
MPPEMXE2C	- ARRAYLOG -E REPORTS ERROR NUMBER: 50 ISSUE WITH HLIO CHAIN
MPPEMXE6A	- IMPROVED INTERNAL ERROR MESSAGES (SYSCAT)
NMCGDM5A	- GENERAL FIXES FOR NMMGR ON MPE/IX 6.5 (F) PATCH
NMSGDT1A	- GENERAL FIXES FOR NMS/IX ON 6.5 (D PATCH)
NRCMXH1A	- SUPPORT TOOLS UPDATE
NSRGDE6A	- GENERAL FIXES FOR DOMAIN NAME SERVICE ROUTINES ON 6.5 (A1 PATCH)
NSSGDA7A	- GENERAL FIXES FOR NS SERVICES ON MPE/IX 6.5 (03 PATCH)
NSTHD00A	- GENERAL FIXES FOR NS TRANSPORT ON MPE/IX 6.5 (B6) PATCH
NSXGD05A	- GENERAL FIXES FOR NS X.25 ON MPE/IX 6.5 (A0 PATCH)
ODBMX78B	- ODBCLINK/SE VERSION G.00.00 FOR 6.0, 6.5, 7.0
ODIMX96A	- STM ONLINE DIAGNOSTICS B8343AA.75.02 GENERAL UPDATE RELEASE
OSPMX89A	- UNRESOLVED EXTERNALS WHEN ODIMX66A INSTALLED.
PARMX97A	- PASCAL/IX LIBRARY A.05.05.04: FIX TRAP ON OPENING PIPE
PSIGDN5A	- GENERAL FIXES FOR PSI COMMON ON MPE/IX 6.5 (B0)
PTDGR1A	- GENERAL FIXES FOR TELNET ARPA SERVICES ON 6.5 (I PATCH)
PX2LXB1B	- TOBYTE CAN CREATE HUGE BYTESTREAM FILES WHEN TRIM (-T) IS USED.

Patch Index	Description
PX2LXC0B	- POSIX RLOG UTILITY DISPLAYS WRONG DATES AFTER DEC 31, 1999.
PX2LXD4B	- THE SHELL PROGRAM PS.HPBIN.SYS CANNOT BE RUN IN BATCH.
QUEMX68A	- QUERY/IX HP32216D.03.21 RECORD FIND RELEASES LOCK AND NO
RJEGDP7A	- RJE CAUSES SA1403 FROM IO SERVICES AFTER MEMORY UPGRADE FROM 2
SCOMXD7A	- PCS/SCOPE/IX B1794B.NN.55.02 - SYSTEM TYPE REFORMATTED INTO 10
SDLGDP9A	- MPE SNA SDLC/IX 6.5 LARGE MEMORY: HP-PB DRIVER NOT RELEASING
SIMGD07A	- FIX FOR DOUBLE PRINTING OF LAST PAGE AND READ MODFIED ALL FLAG
SNAGDQ1A	- SA1458 FROM CREATE_OBJECT IN HPSNAOPENUSER ON 6.5
SNMGDT4A	- GENERAL FIXES FOR MPE/IX 6.5 SNMP (E PATCH)
SPTMX04B	- SPT/IX B1776A/B1777A A.07.02 AIF/PE HANG FIX
SQLLXD8C	- ALLBASE/SQL A.G3.22 FOR MPE/IX 6.0, 6.5 AND 7.0
STRGDL3A	- GENERAL FIXES FOR STREAMS/IX ON MPE 6.5 RELEASE (E PATCH)
TIXMXC3B	- GB FILE LEFT OPEN EVEN NO ACCESSOR TO THE DATABASE.
TRRLXP7B	- TRANSACT/IX RUN TIME 30138A.07.02 LONG BANNERS AND TITLE OPTION
TRXLXP8B	- TRANSACT/IX COMPILER 30138A.07.02 INTRINSIC CALLS AND IPFILE
TSMHD31A	- GENERAL FIXES FOR TERMDSM FOR 6.5 RELEASE (04 PATCH).
VG1GD38A	- GENERAL FIXES FOR NIO 100VG LINK (B5426BA) ON MPE/IX 6.5 (A0)
VGCGDH0A	- GENERAL FIXES FOR NIO VG-BT DRIVER ON MPE/IX 6.5 (C0) PATCH
VGFDH32A	- GENERAL FIXES FOR NIO VG-BT FORMATTER ON MPE/IX 6.5 (D0) PATCH
VPLIX49C	- VPLUS WITH ARB ENABLED RETURNS YEAR '00' AS 'A0' AND '10' AS
XPMMX65A	- FIX TO HP SURESTORE E RAID MANAGER XP (RM) UTILITIES FOR ERR 242