

**Read Before Installing
MPE/iX Release 6.5 PowerPatch 5
Software Release (C.65.05)**

HP e3000 MPE/iX Computer Systems

Edition 5



Manufacturing Part Number: 30216-90358

E1105

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1. Information to Read before Installing MPE/iX 6.5 PowerPatch 5

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2. Patch Information for MPE/iX 6.5 PowerPatch 5

1 Information to Read before Installing MPE/iX 6.5 PowerPatch 5

Improper Version Number in C.65.02

Some systems that were preloaded with MPE/iX release 6.5 PowerPatch, 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.65.05 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.

Predictive Changes SYSSTART during UPDATE

by Gary Robillard, Predictive Support

Due to some customer sites having multiple startup directives in `SYSSTART.PUB.SYS`, the installation job for Predictive has been modified to recognize this. Previously, this Predictive job would just add the "STREAM JPSMON.PRED.SYS" line to the end of `SYSSTART`.

If you prefer NOT to have the Predictive installation job modify your `SYSSTART.PUB.SYS` file, do the following:

Create a file named `NOSYSST.PRED.SYS` with the MPE/iX build command BEFORE installing PowerPatch 5 for MPE/iX 6.5.

```
BUILD NOSYSST.PRED.SYS;DISC=1
```

If the file `NOSYSST.PRED.SYS` exists, it will prevent the Predictive installation from making any `SYSSTART` file modifications.

The Predictive installation job modifies the `SYSSTART` file as follows:

1. Gather STREAMs device and printer queue for STREAMs and OPENQ commands if needed.
2. If `SYSSTART.PUB.SYS` does not exist, a new `SYSSTART` file is created on ldev 1 with the following contents:

```
STARTUP
**
WARMSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
**
COOLSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
****
```

3. If a WARMSTART, COOLSTART, RELOAD or UPDATE section exists and has commands, AND there are no other STREAM commands AND there are no STARTSESS to OPERATOR.SYS commands, then do not modify the `SYSSTART` file.
4. If there are STARTSESS commands but no STARTSESS to OPERATOR.SYS, do not modify the `SYSSTART` file.
5. The command `STREAM JPSMON.PRED.SYS` is removed from the STARTUP section and added to the WARMSTART and COOLSTART sections. If no WARMSTART and COOLSTART sections exist, they are created and contain these commands:

```
**
WARMSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
**
COOLSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
****
```

If the file `NOSYSST.PRED.SYS` exists, it prevents the Predictive job from doing any `SYSSTART` file processing during installation. Therefore, if you do NOT want the "STREAM JPSMON.PRED.SYS" command added to your `SYSSTART` file, create the `NOSYSST.PRED.SYS` file with a build command.

```
BUILD NOSYSST.PRED.SYS;DISC=1
```

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 5 tape before using them for installation of this PowerPatch release. Instructions for restoring the newer versions of AUTOINST and HPINSTAL are located in the *HP 3000 MPE/iX Release 6.5 System Software Maintenance Manual* in the following sections:

AUTOINST Section 5.7 titled "Creating the CSLT Using AUTOINST", step 3, page 121.

HPINSTAL Section 4.3 titled "Preparing to Run HPINSTAL", step 16, page 78.

CR# JAGae78289 / 8606315566

STMSHUT sometimes unable to completely close daemon

During certain installations of the C.65.05 PowerPatch, an installation job has been found to fail due to the inability of the diagnostic monitor to completely shut down. The symptom of the problem is that the job I0231900 will abort, which will trigger the installing tool (usually HPINSTAL) 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:

1. Kill the diagmond daemon.

From MANAGER.SYS, enter

```
: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.

NMCGDV0A job (IHFGDV0A) fails during Update from 6.0 to 6.5

```
:run hpinstal
```

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

NMCGDV0A job (IHFGDV0A) fails during Update from 6.0 to 6.5

When doing an Update from 6.0 to 6.5 using AUTOINST; option 3 (i.e. FOS, SUBSYS plus PowerPatch), an installation job fails due to the inability to extract data from the NMCONFIG.PUB.SYS file. During Phase II of AUTOINST, the installer will abort with the following message:

```
An installation job stream has failed.  Job streaming:  IHFGDV0A.INSTALL.SYS  (INSTERR #23)
```

This condition can be resolved, and the installation can be resumed, by following these steps:

1. Convert the NMCONFIG file. From MANAGER.SYS, enter:

```
:NMMGRVER
```

When asked for the "Fileset to be scanned?" enter:

```
NMCONFIG.PUB.SYS
```

Reply 'YES' to convert the file.

2. Resume the installation. Simply run the installer program again.

```
:Run AUTOINST
```

You will be notified that an interrupted installation has been detected.

```
"Do you want to resume?"
```

Reply 'YES' to resume.

2 Patch Information for MPE/iX 6.5 PowerPatch 5

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

Patch Index	KPR Number	Description
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APCFDX6B 8606-163680 6.5 APACHE 1.3.9 WITH DSO CAPABILITY

APPGDF6A 1653-083048 PROVIDE TIME STAMPS TO APPC LOGGING MESSAGES ON MPE/IX 6.5

Supersedes: APPFDW6A

ARMLXY7C 8606-214147 ARMSERVER ALIGNMENT TRAP

8606-212870 Supersedes: ARMLX35C

ATCMXA2A 8606-268025 ATC CURSOR GIVES INTERNAL ERROR 852077

Supersedes: ATCMX10A ATCLXV7A ATCLXP6A ATCLXH6A

ATCLX76A ATCLX48A

BBRLXJ1A 8606-180350 BUSINESS BASIC DEC. LIBRARY FIX FOR UNINIT ERR PARM IN BB_DEC_TO_DBL

Supersedes: BBRLXE7A BBRLXA5A

BBXMXA3A 8606-268101 BUSINESS BASIC/IX COMPILER A.00.24: FIX BUGS IN SELECT

D500-154029

BROLXY0B 8606-216551 HPBROWSE/IX 36384A.00.06 HFS FILENAME AND BYTE-STREAM

8606-216564 FILE SUPPORT

8606-216571 Supersedes: BROLXR2B

BT1GD35A 8606-180611 GENERAL FIXES FOR NIO 100BT LINK (B5427BA) ON MPE/IX 6.5 (A0) PATCH

COBMXJ7A 8606-315718 COBOL II/IX OPTIMIZE=1 CAN CAUSE DATA CORRUPTION (BLANKED BYTE)

Supersedes: COBMXB0A

CONGD94A 8606-197296 6.5 CONSOLE HANG IN LDM_GET_WRITE_BUF STATE.

Patch Information for MPE/iX 6.5 PowerPatch 5

Patch Index	KPR Number	Description
DCCGDQ4A	8606-262891	DCC 6.5, NDM INBOUND BUFFER POOL BEING EXCEEDED.
	4701-419655	
	5003-436832	
DTCGDB7A	8606-179267	6.5 DTC HOST DOWNLOADS, EQUIVALENT TO ODMGDB6, OV
	8606-124212	DTCMGR A1440E00.
	5003-443184	Supersedes: DTCFDP1A
	5003-453472	
	4701-425207	
	5003-365064	
	5003-303784	
	1653-024448	
	1653-137406	
	4701-293902	
	1653-160176	
	5003-716183	
DTSGDJ3A	8606-234658	GENERAL FIXES FOR DTS TERMINAL I/O ON MPE/IX 6.5 (I)
	8606-180504	PATCH
	8606-158129	Supersedes: DTSGDF8A DTSGDE3A DTSGD90A DTSGD75A
	8606-131764	DTSGD56A DTSFDY1A DTSFDY6A DTSFDW8A
	8606-152736	DTSFDW4A DTSFDP0A
	8606-199705	
	8606-142450	
	8606-183803	
	8606-185290	
	8606-159159	
	5003-469221	
	1653-304964	
	1653-299800	
	8606-107778	
	5003-462952	
	8606-108226	
	5003-432823	
	5003-461061	
	8606-201933	

Patch Index	KPR Number	Description
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EDTMXF7A 8606-284606 HP EDIT A.02.36: FIX PROBLEM WITH SPOOL FILE DISPLAY AND SAVE.

Supersedes: EDTMX95A EDTMX71A

FDDHD33A 8606-316392 GENERAL FIXES FOR FDDI DRIVER ON ON MPE/IX 6.5 (C0 8606-101907 PATCH)

8606-105953 Supersedes: FDDGDK0A FDDFDP7A

8606-201933

8606-249501

FTPHD74A 8606-340675 GENERAL FIXES FOR FTP FOR 6.5 RELEASE (Q2 PATCH)

8606-265669

8606-331712 Supersedes: FTPHD66A FTPHD46A FTPHD42A FTPHD07A

8606-328875 FTPGDY7A FTPGDU0A FTPGDR3A FTPGDN0A

8606-299250 FTPGDE9A FTPGDD7A FTPGDB4A FTPGD92A

8606-289803 FTPGD63A FTPGD48A FTPGD01A FTPGD00A

8606-273530 FTPFDW0A FTPFDU8A FTPFDP2A

8606-124994

8606-224234

8606-230026

8606-231617

8606-250162

8606-250495

8606-256482

8606-269614

8606-267935

8606-269712

8606-270473

8606-276240

8606-281685

8606-284297

8606-287785

8606-293906

8606-294908

8606-297039

8606-299646

8606-299968

8606-300719

8606-300832

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Patch Index	KPR Number	Description
	8606-300832	
	8606-302727	
	8606-189630	
	8606-199287	
	8606-187862	
	8606-204821	
	8606-183738	
	8606-187118	
	8606-145107	
	8606-138260	
	8606-143977	
	8606-170528	
	8606-173012	
	8606-172992	
	8606-178095	
	8606-178930	
	8606-125285	
	8606-172033	
	5003-224923	
	8606-147033	
	8606-125044	
	8606-105688	
	8606-106784	
	8606-132067	
	4701-385195	
	1653-254177	
	8606-109983	
	8606-107309	
	8606-106612	
	8606-126714	
	8606-129405	
	1653-295980	
	5003-454017	
	1653-298141	
	8606-130089	
	8606-213959	
	8606-212581	

Patch Index	KPR Number	Description
	8606-214235	
	8606-310306	
FWSLXT5B	8606-201006	PROVIDE REV. 3728 FIRMWARE FILE FOR 28696A FW SCSI DEVICE ADAPTER
HPCMXP1A	8606-357185	C/IX A.06.06: FIXES OPTIMIZATION PROBLEMS.
INFKXH6C	D500-387787	INFORM 32246A.11.04 FIX PARENT/CHILD ITEM NOT IN ANY DATA SET OR FILE
INTGDG3A	8606-156115	GENERAL FIXES FOR INTERSRV PRODUCTS ON MPE/IX 6.5 (C)
	8606-169406	
	4701-371708	Supersedes: INTFDX3A INTFDP9A
	8606-183008	
	8606-230083	
	1653-202150	
ITOED07B	4701-401919	PROVIDE 5.5 FUNCTIONALITY IN XL.PUB.SYS FOR 6.0 & 6.5 HP3000 ITO AGENT
JDBLXU8B	8606-132652	JDBC SHOULD BE ABLE TO HANDLE TRANSLATIONS
	8606-179196	UNICODE<->ROMAN8
		Supersedes: JDBLXB6A
LANHD34A	8606-316392	GENERAL PATCH FOR 6.5 PUSH LAN/XL LINK & TOKEN RING
	8606-230463	DRIVER (D0)
	8606-201933	Supersedes: LANGDL6A LANGDH3A
	8606-257355	
LAPGDN7A	8606-260739	GENERAL FIXES FOR LAPB DRIVER ON MPE/IX 6.5 (B0)
LNKLG1A	8606-172037	CUMULATIVE PATCH: MISCELLANEOUS LINKEDIT FIXES.
LSSGDJ6A	8606-222304	GENERAL FIXES FOR LSS/IX ON 6.5 (A PATCH)
MCMFDW3A	8606-127018	GENERAL FIXES FOR MCM ON MPE/IX 6.5
	8606-157863	
MIRMXP7A	8606-351194	MIRVUTIL CONTIGVOL IMPROVEMENTS; SA2188 DURING
	8606-362119	SHOWUSERLOG COMMAND
		Supersedes: MIRMX23B

Patch Information for MPE/iX 6.5 PowerPatch 5

Patch Index	KPR Number	Description
MPEKX92D	5003-413914	AIFSCPUT 3058 DOESN'T WORK IF NO AIF LOGGING, AND NOT VV.UU.FF Supersedes: MPELXD5A
MPEKXD3B	4701-392274	SYSGEN PORTION OF HAFO (MPEKXD2, MPEKXD3, MPEKXD4, MPELX95)
MPEKXK4E	5003-346130	SA615 DURING MPEX COPY FROM ONE VOLUME SET TO ANOTHER Supersedes: MPEKXG3C
MPEKXR9C	5003-458489	SPOOLF;PRINT OF UNLINKED SPOOLFILES FAILS WITH MPEKXG0 INSTALLED
MPEKXV3B	5003-466391	CREATE MPE-NAMED FILE VIA NON-MPE NAMED SYMLINK--NO FILENAME IN FLAB Supersedes: MPEKXE4C MPELX18B
MPEKXY5C	8606-107128	SA773 OR FILES LEFT ACCESSED, WHEN USING NFS/IX PRODUCT
MPELX24C	5003-462507	SA1482 WHILE PROCESSING AN AIF PORT INTERRUPT (REPLACES MPEKXV6)
MPELX34C	8606-127873	FIX 128 BYTE BOUNDARY CORNER CASE WITH TLB CAUSING BOOT FAILURES
MPELX37B	8606-108936	ADDRESSES MULTIPLE PROBLEMS WITH TAR UTILITY
MPELX42C	8606-130344	Y2K LEAP YEAR PROBLEM W/CM HPYEAR/HPMONTH/ETC. VARS/JCWS, AND ALMANAC
MPELX53B	8606-129050	AIFSYSWIDEGET W/ITEMS 6001, 6201 DOESN'T RETURN ALL
	8606-141904	USERS/GROUPS/ACCTS Supersedes: MPEKXE9C
MPELX63A	4701-136457	DEFINITION OF AIFACCTPUT IN AIFINTR FILE CAUSES
	5003-117184	PROBLEMS WITH C.
MPELX67B	8606-131939	HPDATECONVERT DOES NOT ACCEPT A VALID OUTPUT DATE PARAMETER
MPELX68A	8606-140041	CALLING NM CKERROR CAUSES DATA MEMORY PROTECTION TRAP
MPELX69A	8606-139788	HPMC OR HANG DURING BOOT AFTER INSTALLING PATCHES ON 64MB MEMORY SYS

Patch Index	KPR Number	Description
MPELX82C	5003-445676	SYSTEM HANG CAUSED BY AIFDEVICEGET CALL REQUESTING ITEM #13006
MPELX88A	8606-131451	AIFFILELPUT ITEM 4101 DOES NOT RECOGNIZE LARGEFILES.
MPELX89F	8606-147200	DEBUG DOES NOT ALWAYS HANDLE BREAKPOINTS CORRECTLY.
MPELXB2A	8606-139675	CI COPY COMMAND WITHOUT TARGET FILENAME CAN ABORT JOB/SESSION.
MPELXB7D	8606-155305	CAN'T INSTALL 959 OR 969 WITH A TAPE CREATED ON A 979 OR 989 SYSTEM
MPELXC2B	8606-129077	FIXES FOR MULTIPLE JOBQUEUES: SA773, SYSTEM HANG &
	5003-454934	INCORRECT JOBCOUNTS
	8606-160797	
MPELXC4B	8606-156321	MEMLOGD DAEMON NOT RUNNING ON 6.5 SYSTEMS W/BETWEEN 3.75GB & 4GB MEM
MPELXD0B	8606-145242	HANG - LOOP IN XM_GET_GUFD_ACTIVE_TRANSACTIONS
MPELXG9A	8606-155237	SVIPCUTL ABORTS WITH LDRERR 472
MPELXH7A	8606-177317	SYSTEM HANG WHEN USING AIF PORTS OR AIF:PE ON SYSTEMS WITH BLOCK TLB
MPELXH9A	8606-179819	SA1048 FROM SAMPLER_HANDLER WHEN RUNNING PERFORMANCE COLLECTION TOOLS
MPELXJ3C	8606-180975	AIFCHANGELOGON ERROR HANDLING FIXES
MPELXJ6B	8606-133734	SA 615 SS143 TRYING TO DEALLOCATE A PLFD LOCKED BY SOME OTHER THREAD
MPELXK3B	8606-177505	JOBQFILE CORRUPT AFTER START RECOVERY RESULTS IN SYSTEM HANG.
MPELXL5A	8606-185208	NEWCI COMMAND RESULTS IN 'UNKNOWN COMMAND NAME' AFTER MPELXG3
		Supersedes: MPELXG3B MPELX13C
MPELXP3A	8606-162794	BULDACCT GIVING CIERR 9166 AND 9445 WHEN MORE THAN 1020 DIRS IN A DIR
		Supersedes: MPEKXY7E
MPELXQ4B	8606-193490	REQUEST CHANGE IN LABEL MGMT COMPILE OPTIONS TO SPEED UP FILE CREATION

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Patch Index	KPR Number	Description
MPELXR0A	8606-127273	INTRODUCE DEBUG ACCESS TO PDC AND I/O SPACE ON 6.5 AND LATER
MPELXT0A	5003-345553 4701-383950	NEW PATCH TO INCLUDE MPEJXV9(5.5), MPEKXL0(6.0), AND MPEKXX4(6.5).
MPELXT1B	8606-194199 8606-180352	NETWORK SPOOLER: 2 FIXES FOR PJJ SYNTAX ERRORS, NMS 9621 Supersedes: MPELXL8B MPELXE0B MPELX91B MPELX39C
MPELXT7D	8606-200506	SA -996 DURING PURGE OF A CIR OR RIO FILE
MPELXU7A	8606-195718	3-WAY DEADLOCK INVOLVING CM KSAM FILES AT THE START OF ONLINE BACKUP
MPELXU9B	1653-247346	OLD LOG4ONLN.PUB.SYS CONFIG TRAILS NEED TO BE DELETED AFTER REBOOT Supersedes: MPEKXX5C MPEKXD4B
MPELXV8B	8606-202134 5003-462440 8606-135212	HANGS OR SA1516 CAUSED BY GUFDP OPEN SEMAPHORE NOT BEING UNLOCKED Supersedes: MPELX15D
MPELXW2A	8606-133384	JOB/SESSION HANGS DUE TO GDPD SEMAPHORE NOT BEING RELEASED
MPELXY3B	8606-215123	AFTER MPELXU4 FINFO GIVES INCORRECT EOF FOR UNOPENED/UNACCESSED FILES Supersedes: MPELXU4B
MPELXY8C	8606-211465	SA1350 DURING TERMINATION OF A PROCESS WITH DEBUG BREAKPOINTS SET
MPEMX00D	8606-220532	DCE CDSADV HANGS WITH MPELXL2 AND MPELXW8 PATCHES ON MPE/IX 6.5, 7.0 Supersedes: MPELXY6D MPELXU5F MPELXW8D MPELXX3C MPELXK5A MPELXP2B MPELXN4A MPELXL2I PX1LXC8A MPEKXU1F MPELX51D MPEKX86J
MPEMX02B	8606-217821	SYSTEM HANG DUE TO 2-WAY DEADLOCK BETWEEN NETWORK SOCKET SEMAPHORES Supersedes: MPEKXX0D MPELXA7B MPELXT9B
MPEMX13B	8606-222933	SA 614 DUE TO TRAP FROM TM_MFB_DISC.TM_WRITE_PRIME Supersedes: MPELXJ7B

Patch Index	KPR Number	Description
MPEMX27B	8606-227964	HANG OR SA1516 WITH MPELX41 INSTALLED. Supersedes: MPELX41B
MPEMX29A	8606-225491	CATALOG CHANGES FOR MPEMX28 FIXES (CONSOLE HANG DUE TO ESCAPE SEQ) Supersedes: MPELXG7A MPELX98A MPELX95A
MPEMX38C	8606-226955	SA0 DOING A DISCFREE ON VOLUME SET WHICH IS BEING 8606-241934 VSCLOSE`D
MPEMX39A	8606-173839	HPMC POSSIBLE DURING SHUTDOWN ON > 3.75GB MEMORY SYSTEMS
MPEMX43B	8606-180156	FIXES FOR MULTIPLE JOBQUEUES (TOTAL COUNTER, JS 61, 8606-180157 CIWARN 10008) 8606-180158 Supersedes: MPEMX28C MPELXV2B
MPEMX74A	8606-223461	IODFAULT GENERIC DEVICE IDS TO SUPPORT CURRENT AND FUTURE DISKS Supersedes: MPELXQ3B MPELXL1B MPELXC3C MPELX59C MPELX40C
MPEMXE2C	8606-288084	ARRAYLOG -E REPORTS ERROR NUMBER : 50 AND HLIO CHAIN TABLE LEAKS.
MPEMXE6A	8606-292571	IMPROVED INTERNAL ERROR MESSAGES (SYSCAT) Supersedes: MPELX33C
MPEMXF6A	8606-267267	RESTORE/COPY OF LARGE AMOUNTS OF DATA CAN CAUSE VSM TABLE EXHAUSTION
MPEMXG0A	5003-454843	SA775 WHEN LOAD_SOM ENCOUNTERS A MALFORMED NMXL FILE Supersedes: MPEMX90B MPELXN2B MPELXC6B MPELXB8A MPELX44D MPELX87B
MPEMXH2A	8606-308481	SYSTEM ABORT 16 WHEN BOOTING FROM A NEW STAGE WHICH DOESN' T CONTAIN NL
MPEMXJ1A	8606-300920	SADPATCH DOES NOT ACKNOWLEDGE THE CORRECT HP DIAGNOSTIC PASSWORD Supersedes: MPEMX19A
MPEMXL6C	8606-337965	OS DAT/DEBUG MACRO FIXES AND ENHANCEMENTS 8606-297155 8606-302492 Supersedes: MPELX47B

Patch Index	KPR Number	Description
	8606-327251	
	8606-146338	
	8606-334232	
	8606-214092	
MPEMXP6A	8606-351194	VOLUTIL CONTIGVOL IMPROVEMENTS; SA2188 DURING
	8606-362119	SHOWUSERLOG COMMAND
		Supersedes: MPEMX22B MPELX81B
MPEMXR6C	8606-382338	SA2003 WHEN PURGING A FILE WITH LARGE, PREALLOCATED EXTENTS
		Supersedes: MPEMXQ1A MPEMXK3A MPEMXH8A MPEMXE5A
		MPEMX99A MPEMXB3A MPEMXB2A MPEMX81C
		MPEMXA9A MPELXV3A MPEMX67A MPEMX70A
		MPEMX32A MPEMX34A MPEMX21A MPEMX11A
		MPELXW3C MPELXV0C MPELXQ5B MPELXW7B
		MPEKXR0E MPELXM5C MPELXL3C MPELXH8E
		MPELXH5D MPELXF8B MPELXA1C MPELX86A
		MPELX71A MPEKXG6D MPELXK9B MPELXJ9C
		MPELXG6C MPELXE2B MPELXF2B MPELXG5B
		MPELX38E MPELXD7A MPELXD3A MPELXB0A
		MPELX97A MPELX75A MPELX70A MPELX66A
		MPEKXY0D MPEMX76B MPELXU2B MPELXB3A
		MPELXF7A MPELXA2A
MPEMXT6A	8606-391126	STORE ERROR RETRIEVING FILE LIST OF LARGE TURBOIMAGE DATABASE
		Supersedes: MPEMXJ6A MPEMXK1A MPEMXH6A MPEMXB6C
		MPEMX85B MPEMX93A MPEMX64A MPELXY4A
		MPELXR9A MPELXL9B MPELXL7B MPELXK1A
		MPELXH3A MPELXG2A MPELXC7B MPELXF4A
		MPELX26D MPELX94B MPELX85B MPELX58B
		MPELX62B MPELX57B MPEKXJ4I MPELX14E
		MPEKX43D MPEKXH3E
MPEMXU5A	8606-401785	FSCHECK ERROR HEADER RECORD MAIN_REC COUNT DID NOT MATCH ACTUAL COUNT
		Supersedes: MPELXL0A MPEMXT5A MPEMXQ6A MPEMXM0C
		MPEMXN8A MPEMXE1C MPEMXG1A MPEMXA1A
		MPEMX92A MPELX93B MPEMX77A MPEMX75A
		MPEMX41A MPEMX36C MPEMX25C MPELXR8A

Patch Index	KPR Number	Description
		MPELXN9A MPELXM2A MPELXJ2A MPELXE3B MPELXC5B MPELX84C MPEKXD2B MPEKXD1A MPELX72C
NMCGDM5A	8606-143672	GENERAL FIXES FOR NMMGR ON MPE/IX 6.5 (F) PATCH
	8606-129395	
	8606-155933	Supersedes: NMCGDD2A NMCGD87A NMCGD12A NMCGD04A
	8606-156227	
	8606-175312	
	8606-143669	
	8606-196541	
	8606-135837	
NMSHD77A	8606-351808	GENERAL FIXES FOR NMS/IX ON 6.5 (E PATCH)
	8606-195035	
	8606-135837	Supersedes: NMSGDT1A NMSGDK9A NMSGDD3A NMSGDA4A
	8606-207282	
	8606-274274	
NRCMXT8A	8606-392040	SUPPORT TOOLS UPDATE - MIRRINFO, FWSCSI AND XMTIME
		Supersedes: NRCMXR1A NRCMXN4A NRCMXH1A NRCMXB8A NRCMX88A NRCMX20A NRCLXX9B NRCLXP0A NRCLXJ5B NRCLX54B
NSRGDE6A	8606-147395	GENERAL FIXES FOR DOMAIN NAME SERVICE ROUTINES ON 6.5
	4701-326645	(A1 PATCH)
	8606-202904	Supersedes: NSRGD68A
NSSHD10A	8606-294605	GENERAL FIXES FOR NS SERVICES ON MPE/IX 6.5 (04 PATCH)
	1653-235218	
	4701-300855	Supersedes: NSSGDA7A NSSGD21A NSSFDQ4A
	4701-310417	
	4701-354779	
	4701-371682	
	4701-374041	
	4701-380287	
	4701-382234	
	5003-300830	

Patch Index	KPR Number	Description
	5003-301341	
	5003-325852	
	5003-330506	
	5003-339390	
	5003-359943	
	5003-360420	
	5003-375444	
	5003-379974	
	5003-434464	
	5003-450270	
	5003-469122	
	8606-127983	
	8606-180749	
	8606-187034	
	8606-207282	
NSTHDD5A	8606-381067	GENERAL FIXES FOR NS TRANSPORT ON MPE/IX 6.5 (C1)
	1653-271494	PATCH
	1653-277780	Supersedes: NSTHDC7A NSTHDC6A NSTHD52A NSTHD20A
	1653-290882	NSTHD00A NSTGDV3A NSTGDR6A NSTGDN9A
	1653-296160	NSTGDK5A NSTGDG0A NSTGDB1A NSTGDA2A
	1653-296426	NSTGD66A NSTGD60A NSTGD31A NSTGD16A
	1653-311704	NSTGD10A NSTFDY4A NSTFDX5A NSTFDR2A
	4701-413088	NSTFDN9A
	4701-430595	
	5003-325423	
	5003-326025	
	5003-397059	
	5003-402107	
	5003-404608	
	5003-425983	
	5003-437616	
	5003-442483	
	5003-442715	
	5003-447102	
	5003-454173	
	5003-457499	
	5003-458596	

Patch Index	KPR Number	Description
	5003-466615	
	8606-104097	
	8606-104557	
	8606-104842	
	8606-104923	
	8606-106004	
	8606-108834	
	8606-109657	
	8606-114484	
	8606-114910	
	8606-125590	
	8606-128099	
	8606-128926	
	8606-130239	
	8606-134230	
	8606-134863	
	8606-138076	
	8606-151861	
	8606-152658	
	8606-154796	
	8606-159845	
	8606-162349	
	8606-168856	
	8606-169352	
	8606-171294	
	8606-174426	
	8606-174449	
	8606-174790	
	8606-180014	
	8606-180217	
	8606-181824	
	8606-182274	
	8606-185990	
	8606-186773	
	8606-189222	
	8606-198419	
	8606-198894	
	8606-200275	

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Patch Index	KPR Number	Description
	8606-202562	
	8606-205404	
	8606-217960	
	8606-218133	
	8606-232667	
	8606-241875	
	8606-241914	
	8606-249651	
	8606-252796	
	8606-254218	
	8606-257335	
	8606-267660	
	8606-269347	
	8606-272847	
	8606-285610	
	8606-286850	
	8606-297205	
	8606-297985	
	8606-302842	
	8606-311133	
	8606-313326	
	8606-344330	
	8606-349406	
	8606-378129	
	8606-383055	
	8606-388358	
NSXGD05A	8606-174788	GENERAL FIXES FOR NS X.25 ON MPE/IX 6.5 (A0 PATCH)
ODBMXR7A	8606-381537	ODBCLINK/SE VERSION G.04.02 FOR 6.5 7.0 AND 7.5 Supersedes: ODBMXH7A ODBMXG6A ODBMXE0A ODBMXD4A ODBMX78B ODBMX57B ODBLXE8B ODBLX27C
ODIMXN2A	8606-349534	STM ONLINE DIAGNOSTICS B8343AA.75.05 GENERAL UPDATE
	8606-344345	RELEASE Supersedes: ODIMXL3A ODIMXE9A ODIMX96A ODIMX66A ODILXU1A ODIGXW7A ODILXG0A ODILXE6A ODILX77A

Patch Index	KPR Number	Description
OSPMXQ7A	8606-329232	REMOVE DEPENDENCY ON DISK MODEL #S IN OEM1/DSM1
	8606-352999	RULESETS
	8606-324293	Supersedes: OSPMXH3A OSPMX89A OSPLXY9A OSPLX96A
	8606-204551	OSPLX78A
	8606-321877	
PARMX97A	8606-225011	PASCAL/IX LIBRARY A.05.05.04: FIX TRAP ON OPENING PIPE
PSIGDN5A	5000-704320	GENERAL FIXES FOR PSI COMMON ON MPE/IX 6.5 (B0)
	8606-241622	
	8606-257493	Supersedes: PSIGDM7A
	8606-255193	
	8606-260739	
	8606-263624	
	8606-266676	
PTDHD49A	8606-174457	GENERAL FIXES FOR TELNET ARPA SERVICES ON 6.5 (K 8606-175456 PATCH)
	8606-219917	Supersedes: PTDHD25A PTDGDR1A PTDGDK4A PTDGD82A
	8606-177947	PTDGD18A PTDFDX0A PTDFDT4A PTDFDT0A
	8606-188790	PTDFDN5A
	8606-194879	
	8606-194441	
	4701-422436	
	8606-105644	
	8606-145097	
	8606-128471	
	8606-144009	
	8606-110880	
	8606-135179	
	8606-105676	
	5003-450791	
	8606-103646	
	8606-108146	
	5003-465229	
	8606-125817	
	8606-127187	
	8606-126741	

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Patch Index	KPR Number	Description
	1653-289421	
	8606-145672	
	8606-163420	
	8606-169841	
	8606-165041	
	8606-219640	
	8606-250349	
	8606-250491	
	8606-259714	
	8606-264334	
	8606-286302	
	8606-297984	
PX2LXB1B	5003-273706	TOBYTE CAN CREATE HUGE BYTESTREAM FILES WHEN TRIM (-T) IS USED.
PX2LXC0B	8606-145790	POSIX RLOG UTILITY DISPLAYS WRONG DATES AFTER DEC 31, 1999.
PX2LXD4B	8606-165126	THE SHELL PROGRAM PS.HPBIN.SYS CANNOT BE RUN IN BATCH.
QUEMX68A	8606-201967	QUERY/IX HP32216D.03.21 RECORD FIND RELEASES LOCK AND
	8606-225099	NO QUIT(1234)
	8606-228193	Supersedes: QUELXP5B QUELXJ0B QUELXE9C QUELXD6C QUELXA4C
RJEGDP7A	8606-255193	RJE CAUSES SA1403 FROM IO SERVICES AFTER MEMORY
	8606-256454	UPGRADE FROM 2 TO 8 GB
RPGMXJ8A	8606-320424	RPG/IX A.00.21 CUMULATIVE PATCH
SCOMXQ8A	8606-370484	CPU QUEUE SHOWS HIGH VALUES...
	8606-335213	Supersedes: SCOMXN1A SCOMXK8A SCOMXH4A SCOMXD7A SCOMX72A SCOLXR6B SCOLXB9B
SDLGDP9A	8606-267493	MPE SNA SDLC/IX 6.5 LARGE MEMORY: HP-PB DRIVER NOT
	8606-259125	RELEASING IOVAS
	5003-444547	Supersedes: SDLFDR6A

Patch Index	KPR Number	Description
SIMGD07A	8606-127455	FIX FOR DOUBLE PRINTING OF LAST PAGE AND READ MODIFIED
	1653-220798	ALL FLAG PROBLEM
SNAGDQ1A	8606-261849	SA1458 FROM CREATE_OBJECT IN HPSNAOPENUSER ON 6.5
		Supersedes: SNAGDG1A SNAGDD9A SNAGD79A SNAGD71A
		SNAFDR5A
SNMHD28A	8606-303544	GENERAL FIXES FOR MPE/IX 6.5 SNMP (F PATCH)
	8606-215702	
	8606-135837	Supersedes: SNMGDT4A SNMGDM0A SNMGDD1A SNMFDY7A
	8606-206689	SNMFDL0A
	5000-713164	
	4701-384503	
	5003-414284	
	8606-172609	
	8606-105736	
	8606-128953	
	8606-108632	
SPTMX04B	8606-143347	SPT/IX B1776A/B1777A A.07.02 AIF/PE HANG FIX
		Supersedes: SPTLXR1B SPTLXC9B
SQLMXL7A	8606-307719	ALLBASE/SQL A.G3.45 FOR MPE/IX 6.5, 7.0 AND 7.5
		Supersedes: SQLMXG8A SQLMX37B SQLLXD8C SQLLX50C
STRHDD9A	8606-134134	GENERAL FIXES FOR STREAMS/IX ON MPE 6.5 RELEASE (H
	8606-128070	PATCH)
	4701-423996	Supersedes: STRHDB4A STRHDA9A STRGDL3A STRGD77A
	5003-430017	STRGD02A STRFDV3A STRFDP5A
	8606-245179	
	8606-212542	
	8606-252710	
	8606-245307	
	8606-384928	
	8606-322326	
	8606-317293	

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Patch Index	KPR Number	Description
TIXMXC3B	8606-284008	GB FILE LEFT OPEN EVEN NO ACCESSOR TO THE DATABASE.
	8606-266870	
	8606-257226	Supersedes: TIXMX73B TIXMX63B TIXMX31B TIXMX12B
	8606-268617	TIXLXW6B TIXLXL4A TIXLXH2C TIXLXE5A
		TIXLXB5A TIXLX74C
TRRLXP7B	D500-140475	TRANSACT/IX RUN TIME 30138A.07.02 LONG BANNERS AND
	D500-109819	TITLE OPTION FIXES
TRXLXP8B	8606-174766	TRANSACT/IX COMPILER 30138A.07.02 INTRINSIC CALLS AND
	8606-175370	IPFILE COMPILE
TSMHD31A	8606-316308	GENERAL FIXES FOR TERMDSM FOR 6.5 RELEASE (04 PATCH).
	8606-189379	
	8606-178330	Supersedes: TSMGD57A TSMGD13A TSMGD08A
	8606-176448	
VG1GD38A	8606-180611	GENERAL FIXES FOR NIO 100VG LINK (B5426BA) ON MPE/IX 6.5 (A0) PATCH
VGCGDH0A	8606-130885	GENERAL FIXES FOR NIO VG-BT DRIVER ON MPE/IX 6.5 (C0)
	8606-139395	PATCH
	8606-135284	Supersedes: VGCFDU7A
	8606-167613	
	8606-245136	
	8606-223348	
	8606-177943	
	8606-222304	
VGFDH32A	8606-316392	GENERAL FIXES FOR NIO VG-BT FORMATTER ON MPE/IX 6.5
	8606-130885	(D0) PATCH
	8606-139395	Supersedes: VGFGDH1A VGFGD41A VGFFDU6A
	8606-135284	
	8606-167613	
	8606-180611	
	8606-201933	
	8606-231571	
	8606-159637	

Patch Index	KPR Number	Description
	8606-223379	
VPLIX49C	8606-131968	VPLUS WITH ARB ENABLED RETURNS YEAR '00' AS 'A0' AND '10' AS 'B0', ETC
XPMMX65A	8606-249488	FIX TO HP SURESTORE E RAID MANAGER XP (RM) UTILITIES FOR ERR 242 Supersedes: XPMLXD9A

