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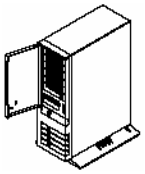
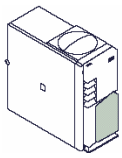
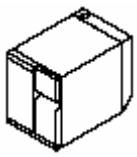
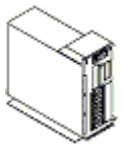
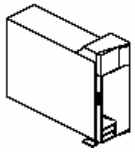
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Note: The *Brisque 5.x Solutions Guide* provides guidelines for determining the optimal Brisque configuration for customers. The document is posted on the Brisque 5 TechPlanet site at
http://techplanet.creo.com/software_solutions/workflow_software/brisque/nav/v51/overview.htm

13 Feb 2007

By: Meir Zackri

1. Platforms

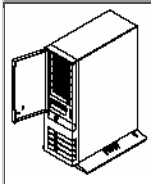
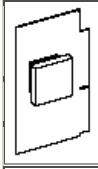
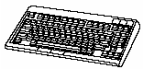
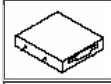
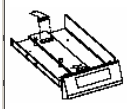
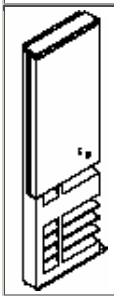
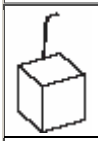
	Model	Nickname	Processors	Brisque generation
	E30 (7024-E30)	"Victory"	1 – "Single"	1st
	F50 (7025-F50)	"Wildcat"	2 – "Dual" 4 – "Quad"	1st
	43P-140 (7043-140)	"Tiger1"	1 – "Single"	1st
	43P-150 (7043-150)	"Tiger2"	1 – "Single"	2nd
	44P-170 (7044-170)	"Hammerhead"	1 – "Single"	2nd - "Performance"
	6F1 (7025-6F1)	"Condor LE"	2 – "Dual" 4 – "Quad" 6 – "Sixt"	2nd - "Performance"
	6E3 (7029-6E3)		1 – "Single" 2 – "Dual"	3rd - "Express"
	6E4 (7028-6E4)		4 – "Quad"	3rd - "Express"

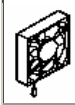
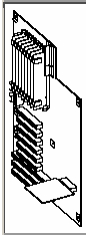
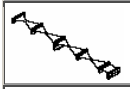
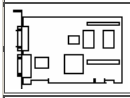
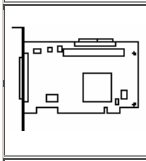
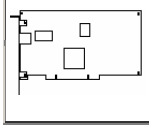
Parts may have several vendor part numbers:

- IBM P/N – IBM's marketing channel, mostly during the product life cycle.
- FRU P/N (Field Replacing Unit) – IBM's Service channel, after product life cycle.

The FRU number that appears on the part is not necessarily updated—needs a replacement FRU.

1.1 E30 Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10795	IBM RS/6000 VIC.233 config B (233 MHz)	7024-E30		Note 1
	605A10765	233MHZ CPU for E30	4344	03N3989 / 07L8001 / 09P0854	
	605A10760	166MHZ CPU for E30	4313	93H2431	Note 2
	605B50138	133MHZ CPU for E30		73H3614 / 40H5381	
	605B00140	E30 - 32MB DIMM	4132	65G4617	List
	605B10905	E30 - 64MB DIMM	4164	39H9837	
	605B00145	E30 - 128MB DIMM	4168	73H3451	
	605E50412	USA keyboard	6900	82G3295	Past use
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605E50404	Mouse 3 BUTTON	6041	93H9113	Past use
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605E50446	IBM diskette drive for RS/6000		93F2361 / 10L6097	
	605C70091	Cable floppy		11H8073	
	607A10060	CDROM drive X20 for RS/6000	2619	93H8050	
	605E40021	CDROM drive X4	2616	88G4921	
	605C70092	LCD cable		40H2264	
	605B50136	LCD assembly		40H2359	
	605S20139	E30-NEW LCD assembly		93H4859	
	605S20131	E30-NEW LCD tray without bezel		93H2319	
	605S20132	E30-LCD new bezel/lens ONLY		93H6130	
	605S20135	Front panel bezel assembly		40H2344 / 93H3424	
	605A40096	Power Supply		40H2115 / 93H3504	
	605C70088	Power Supply cable		40H2120	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	210C03010	Battery E30/ F50/ 43P/ 44P (CR2032)		CR2032	Note 3
	605S20141 (605E50448)			15F8409 / 33F8354	
	605E50447	FAN assembly		06H2647	
	605B50137	System planar		93H4808 / 40H2177	Note 4
	605C70089	SCSI internal 7-connectors cable		12H1169 / 52G0170	
	607A20100	2.2GB STARFIRE (IBM's original)		74G7007	List
	See disk list	4, 9, 18, 36, 73, 146 GB disk			
	605E00120	S15 PCI GRAPHIC Adapter		11H6095	Slot: 1 List
	605B00250	GXT110P PCI Graphic Adapter	2839	93H7983 / 40H5838	
	605E00060	SCSI2 FAST/WIDE PCI Adapter (Label: 4-A)	2408 6208	73H3562 / 93H8406 / 11H8085	Slot: 2 List
	605B00300	ULTRA SCSI PCI-BUS Adapter (Label: 4-K)	6206	93H3809	
	605E00070	10BT Ethernet PcNet (Label: 8-Z)	2987	11H8130 / 93H7766	Slot: 3 List
	605B00240	3COM Fast Ethernet ADP. RS6000 (No label)	2986	94H0385 / 93H1845	

1.1.1 E30 Optional Adapters

Adapter	Brisque		Ripro Server	
	Slot	Details	Slot	Details
SFL	6	List		
TSP	6	List		
Rotation	4	List		
LanC	5	List	5	List
2nd SCSI	5	List	6	List

1.1.2 E30 Notes

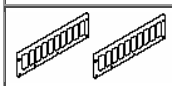
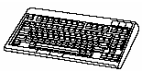
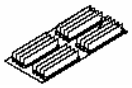
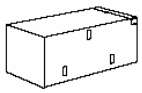
Note 1: This machine is not supported in Brisque v5.x

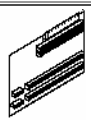
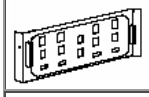
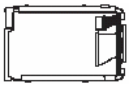
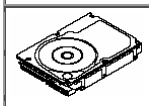
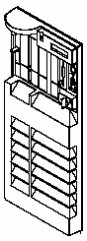
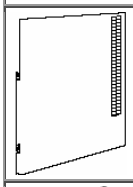
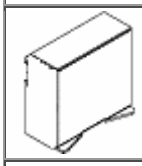
Note 2: 133/166MHz supported only on Brisque v3.0
233MHz supported in Brisque v3.0, v4.x

Note 3: You can buy the battery CR42032 locally in any shop.

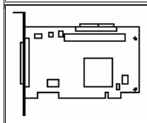
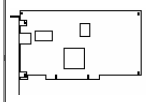
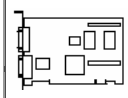
Note 4: The System planar holds the VPD information (Machine ID, etc.) on it. When replacing the board with a new one, you should swap the VPD chip from the old board with the new.

1.2 F50 Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10832	RS/6000 F50-332MHz config C (2CPU, 9GB, 256MB RAM)	7025-F50		
	605B00420	F50 2-WAY 604E 332MHZ Processor board	4359	93H8945 / 73H4768	
 (Kit)	605B00310	F50 kit of 64MB SDRAM (2x 32MB DIMMs)	4107	Kingston: KTM-F50/64	Note 1
	605B00330	F50/6F1/44P kit of 256MB SDRAM (2x 128MB DIMMs)	4110	44P3586 Kingston: KTM-F50/256	List
 (Module)	603-00291	F50 - 32MB x1 SDRAM module (service)		93H4700	Note 1
	609-00244	F50/44P/6F1 - 128MB x1 module (service)		93H4702 / 21L3876	List
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605B00470	F50 - Memory card	4093	03N4173 / 93H2641	Note 2
	605E00160	F50 Fan assembly #1		73H3577	
	605E00170	F50 Fan assembly #3		40H1424	
	605E00180	F50 Fan assembly #2 & #4		40H1433	
	605B00360	F50 Service Processor		93H4214 / 03N3677	
	605C00080	F50 Serial/Parallel card and cables		93H6010 / 93H5834	
	605C70081	F50 U-SCSI to 1ST 6 Pack cable (with termination) P/Ns: 605C00130 + 609-00311	2446		
	605C00130	F50 U-SCSI to 6 Pack cable (without termination)		06H6660 / 06H6876	
	609-00311	F50 terminator for U-SCSI 6-PACK cable		88G3977	Note 3
	605C00220	F50 4-DROP internal SCSI cable (for cdrom & system disk)		73H3596	
	605E00190	F50 Power Supply		40H3134 / 93H9789	
	605E50446	IBM diskette drive for RS/6000		93F2361 / 10L6097	
	607A10060	CDROM drive X20 for RS6000	2619	93H8050	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	210C03010	Battery E30/ F50/ 43P/ 44P (CR2032)		CR2032	Note 4
	605S20141 (605E50448)			15F8409 / 33F8354	
	605B00385	F50 I/O planar (upper board)		03N3297 / 73H4746 / 07L6594	
	605B00380	F50 system card (lower board)		73H1925 / 07L9718	
	605B00480	F50 SCSI Backplane (hot swap)	6519	93H2166	
	605E00140	F50 - hot swap disk carrier + cable	6528		
	607A00030	HD 4.5GB IBM (original)	9394	76H2697	List
	607A00031	HD IBM 9.1GB (original)	2908	07N3675 / 59H6926	
	See disk list	9, 18, 36, 73, 146 GB disk			
	605E00200	F50 - display panel		06H7082	
	605C00090	F50 Cable (Display panel)		93H1816	
	605E00204	F50 operator panel control		93H2922	Note 5
	605E00201	F50 - bezel operator panel		73H0870	
	605E00205	F50 VPD chip		93H6857	Note 5
	605E00202	F50 front bezel without bay covers		93H9872	
	605E00203	F50 – door assembly right side		93H8544	
	605E00206	F50 – chassis (covers + doors)		93H5758	
	605E00269	F50 5.25" blank bezel		11H8176	
	605E00270	F50 adapt 5.25" bezel		11H8178	
	605E00271	F50 bezel slim		40H5392	

TOP

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605B00300	Ultra SCSI PCI – BUS Adapter (Label: 4-K)	6206	93H3809	Slot: 1 (Brisque) List
	605B00240	3COM Fast Ethernet Adap. RS6000 (No label)	2986	94H0385 / 93H1845	Slot: 2 (Brisque)
	605B00320	IBM 10/100 Fast Ethernet Adapter (Label: 9-P)	2968	94H0823	List
	605B00250	GXT110P PCI Graphic Adapter (No label)	2839	93H7983 / 40H5838	Slot: 3
	605B00400	GXT120P Graphic Adapter PCI (Label: 1-P)	2838	93H2534 / 08L0895	List

1.2.1 F50 Optional Adapters

Adapter	Brisque		BrisqueServe / Timna	
	Slot	Details	Slot	Details
SFL	5	List		
TSP	5	List		
2nd TSP	6			
Rotation	8	List		
LanC	4	List	4	List
Ethernet 10/100	9	List	2, 5, 6, 7	List
Gigabit	4	List	4	List
SCSI Diff	7	List	1, 8	List
SCSI LVD (Dual channel)	9	List		
RAID adapter	9	List		

1.2.2 F50 Notes

Note 1: Please use the kit P/N for adding memory (must add 2 DIMMS), and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

Note 2: On one Memory card you can add up to 2GB of memory DIMMs. You may have a 2nd Memory board but the total amount of memory is limited to 3GB.

Note 3: On Brisque stations, the termination is connected to the upper cable (605C00220) with the cdrom and system disk.

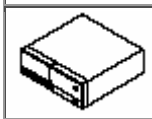
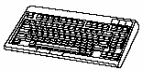
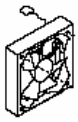
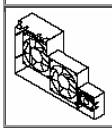
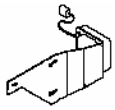
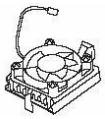
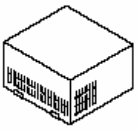
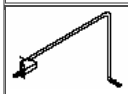
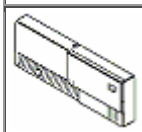
Note 4: You can buy the battery CR42032 locally in any shop.

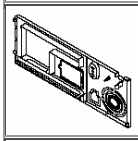
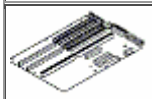
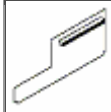
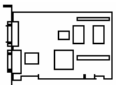
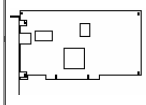
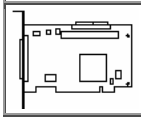
Note 5: The operator panel control assembly holds the VPD information (Machine ID, etc.) on it. When replacing the board with a new one, you should swap the VPD chip from the old board with the new one.

1.2.3 F50 kits P/N

	Parts includes	Sales P/N	Kit P/N
Memory expansion kit	Memory expansion board	015-00725A	605B00470

1.3 43P-140 (Tiger1) Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10820	RS6000 TIGER 43P-140 332MHz (config A)	7043-140		Note 1
	605B00340	43P 64MB DRAM DIMM (43P-140)	4114	42H2774	List
	605B00490	43P 128MB DRAM DIMM (43P-140)	4115	93H6823	
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605E50446	IBM diskette drive for RS/6000		93F2361 / 10L6097	
	605S20151	Diskette cable assembly for 43P		93H1821	
	607A10060	CD-ROM drive X20 for RS6000	2619	93H8050	
	210C03010	Battery E30/ F50/ 43P/ 44P (CR2032)		CR2032	Note 2
	605S20141 (605E50448)			15F8409 / 33F8354	
	605S20164 (502D1L881)	Front FAN assembly for 43P		07L9844	Note 3
	605S10777	Speaker and 2 front fans assembly (exist only in few old machines)		40H7584	Note 4
	605S20158	Media FAN assembly		93H1817	
	605E00131	CPU fansink for 43P		93H9648	
	605S20148	Power Supply for 43P		40H7566 / 40H7564	
	605S20162	Power Supply for Tiger1 only		40H7561	
	605S20144	Power switch assembly for 43P		73H0438	
	605S20146	Front bezel + operator panel for 43P		93H3500	
	605S20150	1MB L2 Cache card for 43P-140		75H5463	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605S20147	Rear panel for 43P-140		06H8488	
	605S20149	System board 332MHZ for 43P-140		93H9334	Note 5
	605S20152	Internal SCSI cable for 43P-140		73H0435	
	605S20153	Riser card for 43P-140		73H4532	
	607A00030	HD 4.5GB IBM (original)	9394	76H2697	List
	See disk list	4, 9, 18, 36, 73, 146 GB disk			
	605B00250	GXT110P PCI graphic adapter (No label)	2839	93H7983 / 40H5838	Slot: 1
	605B00400	GXT120P graphic adapter PCI (Label: 1-P)	2838	93H2534 / 08L0895	List
	605B00240	3COM Fast Ethernet ADP. RS6000 (No label)	2986	94H0385 / 93H1845	Slot: 2
	605B00320	IBM 10/100 Fast Ethernet adapter (Label: 9-P)	2968	94H0823	List
	605B00300	ULTRA SCSI PCI-BUS adapter (Label: 4-K)	6206	93H3809	Slot: 5 List

1.3.1 43P-140 Optional Adapters

Adapter	Brisque		Ripro Server	
	Slot	Details	Slot	Details
SFL	3	List		
TSP	3	List		
Rotation	4	List		
LanC	4	List	4	List

1.3.2 43P-140 Notes

Note 1: This machine is not supported in Brisque v5.x.

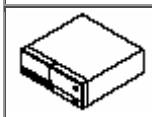
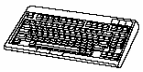
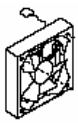
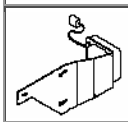
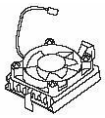
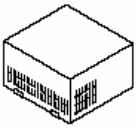
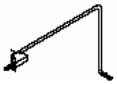
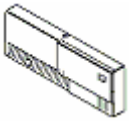
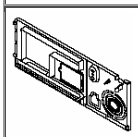
Note 2: You can buy the battery CR42032 locally in any shop.

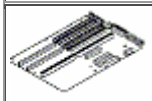
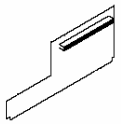
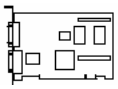
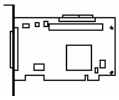
Note 3: 605S20164 is the P/N of the FAN module that assembled in IBM
502D1L881 is the P/N of the FAN module that assembled in Creo

Note 4: 2 “small” fans that been replaced by the “large” fan Creo P/N: 605S20164

Note 5: The System board holds the VPD information (Machine ID, etc.) on it. When replacing the board with a new one, you can’t swap the VPD chips; a new license should be obtained for the new Machine ID.

1.4 43P-150 (Tiger2) Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10821	RS6000 Tiger 43P-150 375MHz (config A1)	7043-150		
	605B00610	128MB DRAM DIMM 43P-150	4150	19L1809	List
	605B00620	256MB DRAM DIMM 43P-150	4169	29L3302	
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605E50446	3.5 diskette drive		76H4091 / 10L6097	
	605S20151	Diskette cable assembly for 43P		93H1821	
	607A10060	CDROM drive X20 for RS6000	2619	93H8050	Note 1
	607A10062	CDROM drive X32 for RS6000	2624	97H7610	
	605B00823	IBM CD-ROM x40 for RS/6000		97H7796	
	210C03010	Battery E30/ F50/ 43P/ 44P (CR2032)		CR2032	Note 2
	605S20141 (605E50448)			15F8409 / 33F8354	
	605S20164 (502D1L881)	Front FAN assembly for 43P		07L9844	Note 3
	605S20158	Media fan assembly		93H1817	
	605E00131	CPU fansink for 43P		93H9648	
	605S20148	Power Supply for 43P		40H7566 / 40H7564	
	605S20144	Power switch assembly for 43P		73H0438	
	605S20146	Front bezel + operator panel for 43P		93H3500	
	605S20155	Rear panel for 43P-150		07L9084	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605S20156	System board 375MHz for 43P-150		41L5177	
	605S20163	Internal SCSI cable for 43P-150		40H7572	
	605S20157	Riser card for 43P-150		08L1417	Note 4
	607A00031	HD IBM 9.1GB (IBM's original)	2908	07N3675 / 59H6926	List
	607S00008	9GB system disk for Tiger (IBM)		25L1861	
	See disk list	9, 18, 36, 73, 146 GB disk			
	605B00400	GXT120P graphic adapter PCI (Label: 1-P)	2838	93H2534 / 08L0895	Slot: 1 (Brisque)
	605B00401	GXT130P graphic adapter PCI (Label: 1-T)	2830	11K0313	List
	605B00300	ULTRA SCSI PCI-BUS adapter (Label: 4-K)	6206	93H3809	Slot: 5 List

1.4.1 43P-150 Optional Adapters

Adapter	Brisque		BrisqueServe / Timna	
	Slot	Details	Slot	Details
SFL	3	List		
TSP	3	List		
Rotation	4	List		
LanC	4	List	4	List
Graphics			2	List
Ethernet	2	List	5	List
SCSI Ultra			1	List
SCSI Diff	2	List	3, 4	List
RAID adapter	2	List		
SCSI LVD (Dual channel)	2	List		

1.4.2 43P-150 Notes

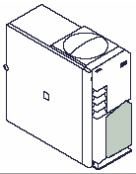
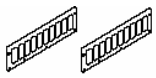
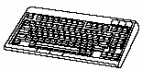
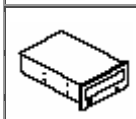
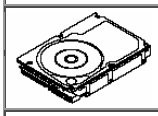
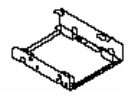
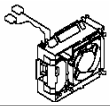
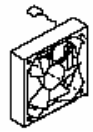
Note 1: The optical drive can be either: SCSI CD-ROM (x20 / x32 / x40)
or: IDE DVD-ROM (609-00173) with IDE to SCSI converter (609-00174)

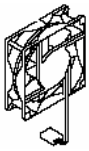
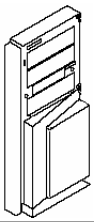
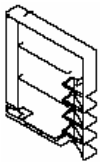
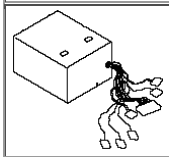
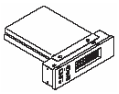
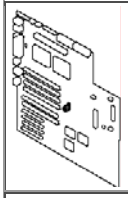
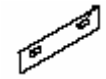
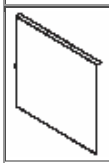
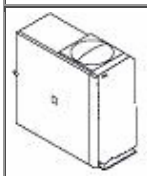
Note 2: You can buy the battery CR42032 locally in any shop.

Note 3: 605S20164 is the P/N of the FAN module that assembled in IBM
502D1L881 is the P/N of the FAN module that assembled in Creo

Note 4: The Riser card holds the VPD information (Machine ID, etc.) on it.
When replacing Riser card to a new one, you should swap the VPD chip from the old card with the new.

1.5 44P-170 (Hammerhead) Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10870	RS/6000 44P-170 400MHz	7044-170		Note 1
	605B00365	44P-170 processor card	4360	09P0272	
 (Kit)	605B00330	F50/6F1/44P kit of 256MB SDRAM (2x 128MB DIMMs)	4110	44P3586 Kingston: KTM-F50/256	Note 2 List
	605B00335	6F1/44P kit of 512MB SDRAM (2x 256MB DIMMs)	4119	Kingston: KTM-H70/512	
	609-00246	44P kit of 1024MB SDRAM (2x 512MB DIMMs)	4121	Kingston: KTM44P170/1024	
 (Module)	609-00244	F50/6F1/44P - 128MB x1 DIMM (service)		93H4702 / 21L3876	Note 2 List
	609-00243	6F1/44P - SDRAM 256MB x1 DIMM (service)		07L9030 / 44P3585	
	609-00238	44P - SDRAM 512MB x1 DIMM (service)		09P0491 / 09P0482 / 44P3588	
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605B00823	IBM CD-ROM x40 for RS/6000		97H7796	Note 3
	609-00173	IBM IDE DVD-ROM for RS/6000	2634	53P2735	
	609-00174	IBM DVD IDE-to-SCSI conversion	4253	00P5167	
	605E00272	Disk 18GB 10K U-SCSI 44P-170		09P4429 / 07N3174	List
	See disk list	18GB, 36GB, 73GB, 146GB disk			
	605E00259	Disk mounting kit for 44P-170	6561	09P1749	
	605E50446	IBM diskette drive for RS/6000		93F2361 / 10L6097	
	605E00260	44P-170 fan/speaker assembly		41L6172	
	605E00261	44P-170 processor fan		03N4134	
	609-00021	44P-170 top front fan		10L5575	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	609-00152	44P-170 7-Drop SCSI cable		41L6178	
	605E00262	44P-170 rear fan		10L5574	
	605E00264	44P-170 front bezel		11K0035	
	605E00267	44P-170 bezel door		11k0653	
	605E00265	44P-170 power supply		41L5215 / 09P1266	
	605E00266	44P-170 operator panel with bezel & cable		11k0696	Note 4
	605S20176	Operator panel bezel (44P-170)		11K0695	
	605S20165	44P-170 system board		09P1134 / 09P2017	
	605S20172	Foot base (44P-170)		00P1626	
	605S20173	Foot swivel (44P-170)		00P1627	
	605S20174	Media bay shield (44P-170)		10L5608	
	605S20175	Left side cover (44P-170)		11R0704	
	605E00263	44P-170 keylock assembly		12J5102	
	609-00078	44P-170 CHASSIS + COVERS		09P4486	
	210C03010	Battery E30/F50/43P/44P (CR2032)		CR2032	Note 5
	605S20141 (605E50448)			15F8409 / 33F8354	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605B00401	GXT130P graphic adapter PCI (Label: 1-T)	2830	11K0313	Slot: 6 List

1.5.1 44P-170 Optional Adapters

Adapter	Brisque		BrisqueServe	
	Slot	Details	Slot	Details
TSP	4	List		
2nd TSP	5			
Rotation	3	List		
Gigabit	2	List	1	List
2nd Ethernet	2	List		
SCSI LVD (Dual channel)	1	List	5	List
SCSI Diff	5	List		
RAID adapter	2	List	2	List
Fiber Channel			2	List

1.5.2 44P-170 Notes

Note 1: Includes:
- System disk – 18GB (P/N: 3102) or 36GB (P/N: 3119)
- Memory – 512MB (P/N: 4120) or 1GB (P/N: 4121)

Note 2: Please use the kit P/N for adding memory (must add 2 DIMMS) and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

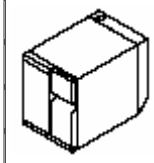
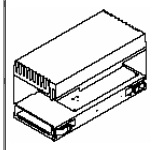
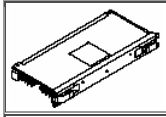
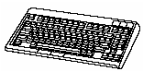
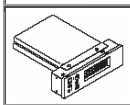
Note 3: The optical drive can be either: SCSI CD-ROM (605B00823) or: IDE DVD-ROM (609-00173) with IDE to SCSI converter (609-00174)

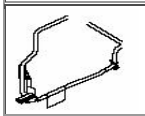
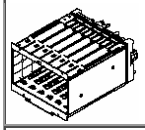
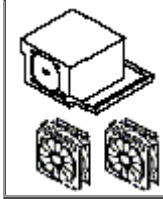
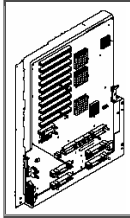
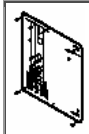
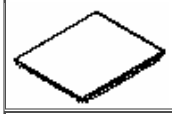
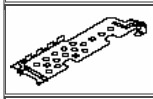
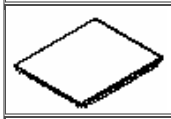
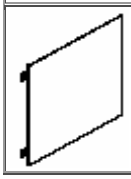
Note 4: The operator panel holds the VPD information (Machine ID, etc.) on it. When replacing the panel with a new one, you should swap the VPD chip from the old operator panel with the new.

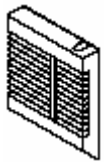
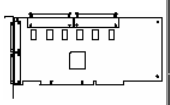
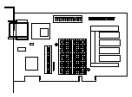
Note 5: You can buy the battery CR42032 locally in any shop.

Note 6: Slot 1, 2: PCI 3.3 volt slots
Slot 3, 4, 5, 6: PCI 5 volt slots (for: Graphics, TSP, Rotation adapters).

1.6 6F1 Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605A10882	pSeries 6F1 2WAY 450MHz (C2)	7025-6F1		Note 1
	605A10884	pSeries 6F1 4WAY 450MHz (D2B)			
	605A10888	pSeries 6F1 6WAY 668MHz (E3B)			
	605A10892	pSeries 6F1 2WAY 600MHz (C3A)			
	605A10894	pSeries 6F1 4WAY 600MHz (D3C)			
	605A10896	pSeries 6F1 6WAY 750MHz (E4C)			
	605B00802	6F1 2WAY R6000 450MHz PROC. (label: 24A2)	5202	21P4751	
	605B00804	6F1 4WAY R6000 450MHz PROC. (label: 24A3)	5204	21P4760	
	605B00806	6F1 6WAY R6000 668MHz PROC. (label: 25BF)	5216	23L7799	
	605B00832	6F1 2WAY R6000 600MHz PROC. (label: 25BD)	5212	23L7785	
	605B00834	6F1 4WAY R6000 600MHz PROC. (label: 25BE)	5214	23L7794 / 53P0984	
	605B00836	6F1 6WAY R6000 750MHz PROC. (label: 25F2)	5221	53P1334	
 (Kit)	605B00330	F50/6F1/44P kit of 256MB SDRAM (2x 128MB)	4110	44P3586 Kingston: KTM-F50/256	Note 2 List
	605B00335	6F1/44P kit of 512MB SDRAM (2x 256MB)	4119	Kingston: KTM-H70/512	
	605B00336	6F1 kit of 1024MB SDRAM (2x 512MB)	4100	Kingston: KTM-F80/1024	
 (Module)	609-00244	F50/6F1/44P - 128MB x1 DIMM (service)		93H4702 / 1L3876 / 44P3586	Note 2 List
	609-00243	6F1/44P - SDRAM 256MB x1 DIMM (service)		07L9030 / 09P3906 / 44P3585	
	609-00249	6F1 - SDRAM 512MB x1 DIMM (service)		07L9758	
	605B00811	6F1 Memory Board 16 Position	4075	04N4808 / 53P3206	
	605S20143	IBM keyboard USA (Ivory)	6600	75H9505 / 37L2546	
	605S20140	IBM mouse (Ivory)	6041	76H5084 / 10L6145	
	605B00815	6F1 Operator Panel assembly		24L1593	Note 3
	605E00268	6F1 IBM Diskette Drive (BLACK)		76H4091	
	605B00824	6F1 CDROM drive x40		97H7795	Note 4

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605B00807	6F1 IBM 18GB 10K Ultra3 Disk	3153	00P1520 / 00P3829 / 09P4435 / 09P3922	List
	605B00821	6F1 IBM 36GB 10K Ultra3 Disk	3129	00P1519 / 00P3831 / 09P3923	
	605B00825	6F1/6E4 IBM 73GB 10K Ultra3 Disk	3159	09P4888 / 00P3833	
	605B00810	6F1 IBM SCSI to 6 Pack cable	2432	4N2273	
	605B00812	6F1 IBM SCSI Hot Swap 6 Pack	6553	04N4270	
	605B00814	6F1 Power Supply (service)		21P6417 / 53P1079 / 53P2830 / 97P4024	Note 5
	605B00816	6F1 Fan assembly (service)		24L1730	Note 5
	605S20166	6F1 Redundant P.S. and FANS P/Ns: 1x605B00814 + 2x605B00816	6548		Note 5
	609-00035	6F1 System board assembly		09P1175	
	164-00007	Battery 6F1/ 6E3/ 6E4 (CR2450)		CR2450 IBM's FRU: 16G8095	Note 6
	609-00071	6F1 Cable plate assembly (MOUSE + KEYBOARD)		04N3087	
	292D2U995	6F1 Carrier			
	605B00822	6F1 IBM PCI Card Divider		44L0041	
	605S20177	6F1 Top Cover OEM		04N3706	
	609-00180	6F1 Side Cover		04N3705	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	605B00813	6F1 Front Cover		04N3443	
	605B00818	6F1 Rear Cover		04N3450	
	605B00301	IBM Dual CH. ULTRA-2 SCSI adapter (Label: 4-R)	6205	07L8732 / 3N3606	Slot: 4 List
	605B00303	IBM Dual CH. ULTRA-3 SCSI adapter (Label: 4-Y)	6203	09P2544	
	605B00401	GXT130P graphic adapter PCI (Label: 1-T)	2830	11K0313	Slot: 6 List
	609-00395	CMPTR,CABLE,ASSY,POWER,6F1		23L8082 / 04N5192	

1.6.1 6F1 Optional Adapters

Adapter	Brisque		BrisqueServe	
	Slot	Details	Slot	Details
TSP	7	List		
2nd TSP	11			
Rotation	12	List		
Gigabit	5	List	5, 10	List
Fiber Channel	10	List	8, 9	List
2nd Ethernet	8	List	8	List
2nd SCSI LVD (Dual channel)	3	List	3	List
SCSI Diff	9	List		
RAID adapter	3	List	3	List

1.6.2 6F1 Notes

Note 1: Includes disks: 18GB system disk (P/N:3153) & 2x36GB disk (2x P/N:3129)

Includes memory: 2 way – 450MHz: 512MB (2x P/N:4110)
600MHz: 1GB (2x P/N:4119)
4 way – 450MHz: 1GB (2x P/N:4119)
600MHz: 1.5GB (2x P/N:4110 & 2x P/N:4119)
6 way – 668MHz: 1.5GB (2x P/N:4110 & 2x P/N:4119)
750MHz: 2GB (2x P/N:4100)

Note 2: Please use the kit P/N for adding memory (must add 2 kits / 4 DIMMS) and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

Note 3: The operator panel holds the VPD information (Machine ID, etc.) on it. When replacing the panel with a new one, you should swap the VPD chip with the new.

Note 4: The optical drive can be either: SCSI CD-ROM (605B00824)
or: IDE DVD-ROM (609-00173) with IDE to SCSI converter (609-00174)

Note 5: Please use the kit P/N (605S20166) for ordering parts from IBM and the separated P/Ns (605B00814/ 605B00816) for service.

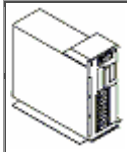
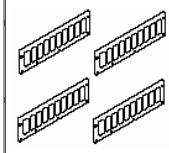
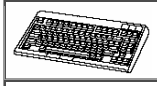
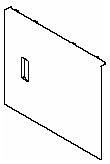
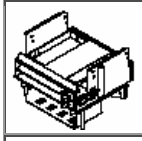
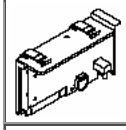
Note 6: You can buy the battery CR42450 locally in any shop.

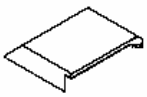
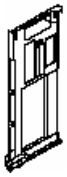
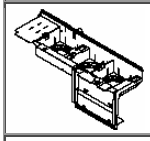
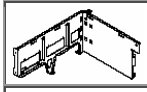
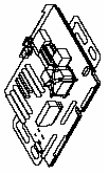
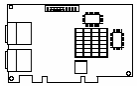
Note 7: Slot 3, 4, 5, 8, 9, 10: PCI 3.3volt slots
Slot 6, 7, 11, 12: PCI 5volt slots (For: Graphics, TSP, Rotation - adapters)

1.6.3 6F1 kits P/N

	Parts includes	**Sales P/N**	**Sales P/N**
6F1 redundancy kit	Additional: system disk + PS + fans	501R49888	510K3R592

1.7 6E3 Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	606-00030	pSeries 6E3 1WAY 1.2GHz (conf H1A)	7029-6E3		Note 1
	606-00037	pSeries 6E3 2WAY 1.2GHz (conf H2A)			
 (Kit)	609-00224	6E3 Kit of 1024MB (4x 256MB) DIMMs, DDR SDRAM	4446		List Note 2
	609-00225	6E3 Kit of 2048MB (4x 512MB) DIMMs, DDR SDRAM	4447		
	609-00226	6E3 Kit of 4096MB (4x 1028MB) DIMMs, DDR SDRAM	4448		
	609-00227	6E3 Kit of 8192MB (4x 2048MB) DIMMs, DDR SDRAM	4449		
 (Module)	609-00228	6E3- 256MB x1 DIMM, 8NS (service)		00P5765	List Note 2
	609-00229	6E3- 512MB x1 DIMM, 8NS (service)		00P5767	
	609-00230	6E3- 1024MB x1 DIMM, 8NS (service)		00P5771	
	609-00231	6E3- 2048MB x1 DIMM, 8NS (service)		00P5773	
	609-00093	RS/6000 Keyboard black	8700	32P5200	
	609-00092	RS/6000 3- Button mouse black	8741	09P4455	
	609-00201	6E3 Left Side Access Cover		53P4402	
	609-00203	6E3 Operator Panel		53P6230 / 97P2000 / 97P3352	Note 3
	609-00206	6E3 Operator Panel Power Cable		97P3715 / 97P5198	
	609-00207	6E3 Media Bay Chassis		97P2313	
	609-00211	6E3 Slim Line Diskette Drive (black)	2611	08K9606	
	609-00212	6E3 Slim Line DVD ROM Drive (black)	2640	00P4775	
	609-00214	6E3 Service Processor assembly		80P5573 / 80P2388	
	164-00007	Battery 6F1/ 6E3/ 6E4 (CR2450)		CR2450 IBM's FRU: 16G8095	Note 4
	609-00213	6E3 PCI Divider (small)		53P4325	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	609-00217	6E3 PCI Mounting/Divider		53P4521	
	609-00282	6E3 Top Handle (for thick door)		97P5284	Note 5
	609-00202	6E3 Top Handle (for thin door)		53P6139	
	609-00283	6E3 Front Door OEM (thick door)		97P4148	Note 5
	609-00204	6E3 Front Door OEM (thin door)		53P6249	
	609-00284	6E3 Front Bezel OEM (thick door)		97P5909	Note 5
	609-00205	6E3 Front Bezel OEM (thin door)		53P6247	
	609-00208	6E3 Fans Tray Cable		53P4483	
	609-00209	6E3 Fans Tray		97P2304 / 97P4349	
	609-00210	6E3 Fan Assembly		97P3153 / 53P4612	
	609-00215	6E3 AC Power Supply	6266	53P5617	
	609-00216	6E3 Power Supply Mounting Bracket		53P3935	
	609-00218	6E3 1 Way 1.2GHz System Backplane		80P2408 / 80P4315 / 80P2749 / 80P3108	Note 6
	609-00263	6E3 2 Way 1.2 GHz System Backplane		80P4308 / 80P2741 / 80P2401 / 80P3099	Note 6
	609-00220	6E3 Disk Drive Backplane	6574	00P5684	
	609-00221	6E3 1.2V Voltage Regulator Module		53P5621	
	609-00222	6E3 1.8V voltage Regulator Module		24P6892	
	609-00223	6E3 2.5V Voltage Regulator Module		53P5623	
	609-00232	6E3- 36GB Ultra3 10KRPM Disk	3273	00P3068 / 00P3831	
	609-00233	6E3- 73GB Ultra3 10KRPM Disk	3274	00P3072 / 00P3833	List
	609-00145	6E3/6E4 146GB Ultra3 10K Disk	3275	00P2665 / 00P3835	
	609-00079	GXT135P PCI graphic adapter (Label: 2849)	2849	00P2530/ 00P5758	Slot: 3 List

1.7.1 6E3 Optional Adapters

Adapter	Brisque	
	Slot	Details
TSP_U	5	List
2nd TSP_U	4	
Gigabit	1	List
Fiber Channel	2	List
SCSI LVD (Dual channel)	6	List
SCSI Diff	2	List
RAID adapter	6	List

1.7.2 6E3 Notes

Note 1: 1-way machine includes:

- 1GB memory (FC: 4446)
- 36GB system disk (FC: 3273)
- 1x 73GB disk (FC: 3274)
- GXT-135P graphic adapter (FC: 2849)

2-way machine includes:

- 2GB memory (FC: 4447)
- 36GB system disk (FC: 3273)
- 2x 73GB disk (FC: 3274)
- GXT-135P graphic adapter (FC: 2849)

Note 2: Please use the kit P/N for adding memory (must add 4 DIMMS) and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

Note 3: The operator panel holds the VPD information (Machine ID, etc.) on it. When replacing the panel with a new one, you should modify the VPD accordingly. Please call support for instructions.

Note 4: You can buy the battery CR42450 locally in any shop.

Note 5: If a replacement for the old thin door is ordered, be aware that all three new parts should be ordered:

old version (thin door) –

6E3 Front Door OEM (thin door)	Creo P/N: 609-00204 - FRU: 53P6249
6E3 Front Bezel OEM (thin door)	Creo P/N: 609-00205 - FRU: 53P6247
6E3 Top Handle (for thin door)	Creo P/N: 609-00202 - FRU: 53P6139

new version (thick door) –

6E3 Front Door OEM (thick door)	Creo P/N: 609-00283 - FRU: 97P4148
6E3 Front Bezel OEM (thick door)	Creo P/N: 609-00284 - FRU: 97P5909
6E3 Top Handle (for thick door)	Creo P/N: 609-00282 - FRU: 97P5284

Note 6: You may replace the entire machine instead of replacing System Backplane:

- To replace a defective 1-CPU System board (Creo P/N: 609-00218) please order a 1-CPU machine (Creo P/N: 606-00030).
- To replace a defective 2-CPU System board (Creo P/N: 609-00263) please order a 2-CPU machine (Creo P/N: 606-00037).

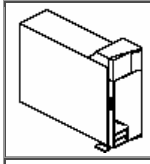
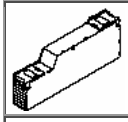
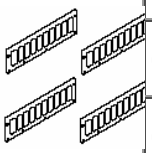
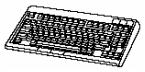
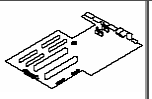
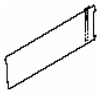
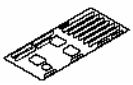
Note 7: Slots 1, 2, 3: PCI-X slots (3.3 Volts) for short boards.
Slots 4, 5, 6: PCI-X slots (3.3 Volts) for long boards.

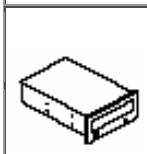
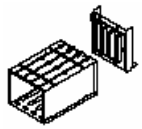
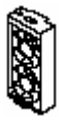
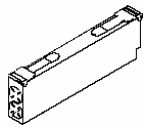
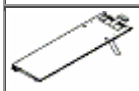
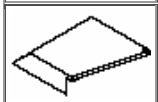
Don't use: TSP board (only TSP_U) or Rotation board (s/w rotation only).

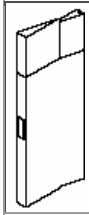
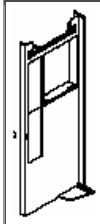
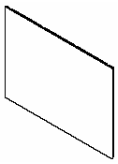
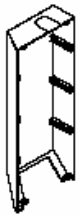
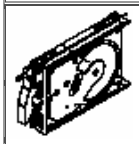
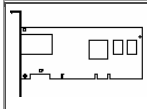
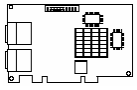
1.7.3 6E3 kits P/N

	Parts includes	Sales P/N	kit P/N
6E3 redundancy kit	Additional: system disk + PS	015-00390A	518-00477A
6E3 disk backplane	Additional: disk backplane (for additional disks)	015-00603A	015-00603A

1.8 6E4 Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	606-00013	pSeries 6E4 4-Way 1.45GHz (X-2D)	7028-6E4		Note 1
	609-00104	6E4 –1.45GHz, 2-Way Processor Assembly	5127	00P2736	
 (Kit)	609-00136	6E4 - Kit of 1024MB (4x 256MB DIMMs)	4451		Note 2 List
	609-00137	6E4 - Kit of 2048MB (4x 512MB DIMMs)	4452		
	609-00138	6E4 - Kit of 4096MB (4x 1024MB DIMMs)	4453		
	609-00139	6E4 - Kit of 8192MB (4x 2048MB DIMMs)	4454		
 (Module)	609-00140	6E4 - 256MB x1 DIMM, 8ns (service)		53P3224	Note 2 List
	609-00141	6E4 - 512MB x1 DIMM, 8ns (service)		53P3226	
	609-00142	6E4 - 1024MB x1 DIMM, 8ns (service)		53P3230	
	609-00143	6E4 - 2048MB x1 DIMM, 8ns (service)		53P3232	
	609-00093	RS/6000 KEYBOARD BLACK	8700	32P5200	
	609-00092	RS/6000 3- BUTTON MOUSE BLACK	8741	09P4455	
	609-00127	6E4 System Board/ Backplane		00P4488 / 80P3931 / 80P4417	
	164-00007	Battery 6F1/ 6E3/ 6E4 (CR2450)		CR2450 IBM's FRU: 16G8095	Note 3
	609-00103	6E4 PCI Plastic Light Air Flow Separator		00P2799	
	609-00097	6E4 Six Slotted PCI Riser Card		09P5290 / 80P3940	
	609-00101	6E4 Media Device Support Shelf		00P4133	
	609-00100	6E4 Media (CDROM or Floppy) Carrier Tray		00P2797	
	609-00099	6E4 Diskette Drive (Black)	2605	76H4091	
	609-00098	6E4 Diskette Drive Cage (Black)		09P5902	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	609-00129	6E4 Diskette Drive Flat Cable		09P5863	
	609-00125	6E4 Diskette Drive Power Cable		09P5864	
	609-00130	6E4 IDE CD-ROM FLAT CABLE		09P5868	
	609-00120	6E4- X20-X48 IDE CDROM Drive (black)	2633	33P3203	Past use
	609-00173	IBM IDE DVD-ROM FOR RS/6000	2634	53P2735	
	609-00102	6E4 Disk Drive Cage + Backplane Assembly		00P4132	
	609-00105	6E4 PCI Cooling Fans (2Fans)		09P5866	
	609-00126	6E4 PCI Cooling Fans 3&4 Power Cable		09P5900	
	609-00096	6E4 Processor Cooling Fan	6557	09P5865	
	609-00106	6E4 Power Supply	6273	00P4342	
	609-00107	6E4 Top Cover Assembly		00P3789	
	609-00108	6E4 Top Cover Rear Mounting Bracket		00P3695	
	609-00109	6E4 System Bottom Mounting Plate		00P2810	
	609-00110	6E4 System Base & Right Cover Assembly		00P3790	
	609-00128	6E4 Operator Panel		00P3210	Note 4
	609-00111	6E4 Operator Panel EMC Bracket		00P3787	
	609-00112	6E4 Operator Panel Bracket		00P2811	
	609-00113	6E4 Operator Panel EMC Filler		00P4637	
	609-00114	6E4 Top Cap		00P2871	
	609-00115	6E4 Disk Drive Access Cover		00P2869	

	Creo P/N	Description	IBM P/N	FRU P/N (service)	
	609-00116	6E4 Front Door OEM		00P2868	
	609-00117	6E4 Front Bezel OEM		09P5885	
	609-00118	6E4 Left Side Outer Access Cover		00P2593	
	609-00119	6E4 Rear Cover		00P2591	
	609-00122	6E4 Backplane to Operator Panel Cable		09P5870	
	609-00123	6E4 -2-Drop Media Devices Power Cable		09P5867	
	609-00124	6E4 Disk Drive Backplane Power Cable		09P5888	
	609-00131	6E4 Disk Backplane 50pin Flat Cable		09P5895	
	609-00132	6E4 Disk Backplane 68pin Flat Cable		09P5889	
	609-00133	6E4 Internal to External SCSI Flat Cable		09P5869	
	609-00134	6E4 Rack Indicator Cable		09P5899	
	609-00144	6E4 - 36GBUltra3 10KRPM Disk	3158	00P3068 / 00P3831 / 00P3923	List
	605B00825	6E4 - 73GB Ultra3 10KRPM Disk	3159	09P4888 / 00P3833	
	609-00145	6E4 - 146GB Ultra3 10KRPM Disk	3275	00P2665 / 00P3835	
	603-00365	10/100/1000 Ethernet PCI-X (label: 5701)	5701	00P3056	Slot: 2 List
	609-00079	GXT135P PCI graphic adapter (label: 2849)	2849	00P2530 00P5758	Slot: 3 List

TOP

1.8.1 6E4 Optional Adapters

Adapter	Brisque	
	Slot	Details
TSP_U	6	List
2nd TSP_U	5	
Fiber Channel	1	List
SCSI LVD (Dual channel)	4	List
SCSI Diff	1	List
RAID adapter	4	List

1.8.2 6E4 Notes

Note 1: Includes:

- 2x 2-way processor (FC: 5127)
- 2x 2GB RAM (FC: 4452)
- 1x 36GB disk (FC: 3158) – system disk
- 2x 73GB disk (FC: 3159) - till 05/2005
- 2x 146GB disk (FC: 3275) - from 05/2005
- 1x GXT-135P Graphic adapter (FC: 2849)
- 1x Gigabit Copper (FC: 5701)

Note 2: Please use the kit P/N for adding memory (must add 4 DIMMS) and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

On 6E4 4-way (4 CPU) you must add 2 quads (8 DIMMs).

Note 3: You can buy the battery CR42450 locally in any shop.

Note 4: The operator panel holds the VPD information (Machine ID, etc.) on it. When replacing the panel with a new one, you should swap the VPD chip from the old operator panel with the new one.

Note 5: Slots 1, 2, 3, 4, 5, 6: PCI-X slots (3.3 Volts) for long boards

Don't use: TSP board (only TSP_U) or Rotation board (s/w rotation only).

1.8.3 6E4 kits P/N

	Parts includes	Sales P/N	Kit P/N
6E4 redundancy kit	Additional: system disk + PS	015-00475A	518-00480A

2. Modules

Brisque boards:

- Graphics adapter
- Ethernet adapter
- Gigabit adapter – Fiber / Copper
- SCSI adapter – SE / Differential / LVD
- SCSI RAID adapter
- Fiber Channel

Creo boards:

- SFL
- TSP (75/ 100/ 300)
- Rotation (128/ 256)
- LanC

BrisqueServe boards:

- Graphics adapter
- Ethernet adapter
- Gigabit adapter – Fiber / Copper
- SCSI adapter – SE / Differential / LVD
- SCSI RAID adapter
- LanC
- Fiber Channel

Memory modules:

- E30
- 43P-140
- 43P-150
- F50
- 44P-170
- 6F1
- 6E3
- 6E4

Disk drives

- 4GB
- 9GB
- 18GB
- 50GB
- 36GB
- 73GB
- 146GB
- 300GB

External cables

- SCSI
- SFL
- Gigabit
- TSP

Monitors

- LCD
- CRT

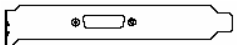
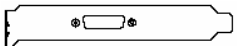
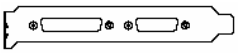
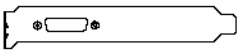
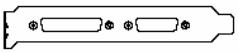
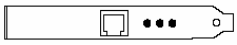
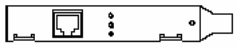
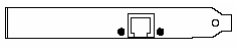
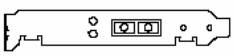
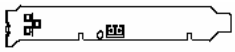
Modems

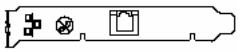
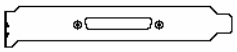
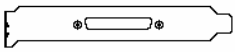
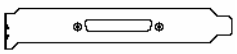
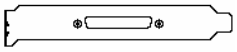
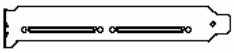
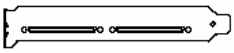
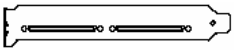
- 14,400
- 28,800
- 33,600
- 56K
- ISDN

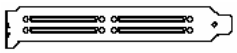
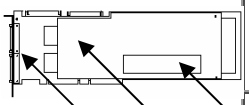
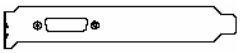
External Disk Tower

- 73GB
- 146GB

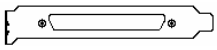
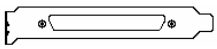
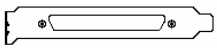
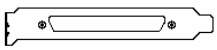
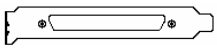
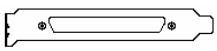
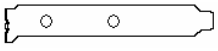
2.1 Brisque boards

	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
2.1.1	**Graphic adapter**						
	S15 (Not supported on v5)	-	605E00120	2657	11H6095	E30 (slot1)	V3.0 V4.x
	GXT-110P (Not supported on v5)	-	605B00250	2839	93H7983/ 40H5838	E30 (slot1) 43P-140(1)	V3.0 V4.x
	GXT-120P	1-P	605B00400	2838	93H2534/ 08L0895	43P (slot1) F50 (slot3)	V3.0 V4.x V5.x
	GXT-130P (* Brisque V3 required a newer AIX CD-ROM and diskette)	1-T	605B00401	2830	11K0313	43P (slot1) F50 (slot3) 44P (slot6) 6F1 (slot6)	V3.0* V4.x V5.x
	GXT-135P (Supported: v5 and up)	2849	609-00079	2849	00P2530/ 00P5758	43P-150(1) F50 (slot3) 44P (slot6) 6F1 (slot6) 6E3 (slot3) 6E4 (slot3)	V5.x
2.1.2	**Ethernet adapter**						
	10BT Ethernet Pcnet	8-Z	605E00070	2987	11H8130/ 93H7766	E30 (slot3)	V3.0 V4.x V5.x
	10/100 Ethernet 3Com (Not supported on v5)	-	605B00240	2986	94H0385/ 93H1845	E30 (slot3) F50 (slot2) 43P-140(2)	V3.0 V4.x
	10/100 Ethernet	9-P	605B00320	2968	94H0823	43P (slot2) F50 (slot2) 44P (slot2) 6F1 (slot8)	V3.0 V4.x V5.x
	10/100 Ethernet II (Supported:v4 and up)	A-F	605B00322	4962	09P3196	43P-150(2) F50 (slot2) 44P (slot2) 6F1 (slot8)	V4.x V5.x
2.1.3	**Gigabit adapter – Fiber**						
 (SC fiber optic)	Gigabit Ethernet SX adapter (Fiber) (Supported: v3 and up)	9-U	605A00250	2969	09P2098/ 07L8916	F50 (slot4) 44P (slot2) 6F1 (slot5)	V3.0 V4.x V5.x
 (LC fiber optic)	Gigabit Ethernet SX adapter (Fiber) PCI-X (Supported: v5 and up)	5700	609-00285	5700	00P3055/ 00P4499	F50 (slot4) 44P (slot2) 6F1 (slot5) 6E3 (slot1) 6E4 (slot2)	V5.x

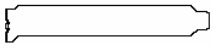
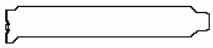
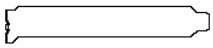
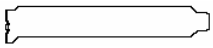
	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
2.1.4	**Gigabit adapter – Copper**						
	10/100/1000 Ethernet (supported: v4 and up)	A-A	605E00273	2975	00P1690/ 09P0684	F50 (slot4) 44P (slot2) 6F1 (slot5) 6E3 (slot1) 6E4 (slot2)	V4.x V5.x
	10/100/1000 Ethernet PCI-X (supported: v5 and up)	5701	603-00365	5701	00P3056	F50 (slot4) 44P (slot2) 6F1 (slot5) 6E3 (slot1) 6E4 (slot2)	V5.x
	SK-9821 10/100/1000 Ethernet (Copper). By: Syskonnect		609-00329		SK-9821 V2.0	F50 (slot4) 44P (slot2) 6F1 (slot5) 6E3 (slot1) 6E4 (slot2)	V4.x * V5.x * *Note 1
2.1.5	**SCSI adapter**						
	SCSI-2 Single-Ended (Not supported on v5)	4-A	605E00060	2408/ 6208	73H3562/ 93H8406/ 11H8085	E30 (slot2)	V3.0 V4.x
	Ultra Single-Ended	4-K	605B00300	6206	93H3809	E30 (slot2) 43P (slot5) F50 (slot1)	V3.0 V4.x V5.x
2.1.6	**SCSI Different**						
	Ultra Differential (5 Volts PCI slot) (Not supported on 6E3 & 6E4 machines)	4-L	605B00410	6207	40H6595	43P (slot2) F50 (slot7)	V3.0 V4.x V5.x
	Ultra Differential (Universal PCI slot) (For Trendsetter MPE)	4-U	605B00415	6204	11K0671	43P (slot2) F50 (slot7) 44P (slot5) 6F1 (slot9) 6E3 (slot2) 6E4 (slot1)	V3.0 V4.x V5.x
2.1.7	**SCSI LVD**						
 (VHDCI)	Dual Channel Ultra2 (supported: v3 and up)	4-R	605B00301	6205	07L8732/ 3N3606	43P-150(2) F50 (slot9) 44P (slot1) 6F1 (slot4)	V3.0 V4.x V5.x
 (VHDCI)	Dual Channel Ultra3 (supported: v4 and up)	4-Y	605B00303	6203	09P2544	43P-150(2) F50 (slot9) 44P (slot1) 6F1 (slot4) 6E3 (slot6) 6E4 (slot4)	V4.x V5.x
 (VHDCI)	Dual Channel Ultra320 (supported: v5 and up)	5702	603-00366	5712	97P3359	43P-150(2) F50 (slot9) 44P (slot1) 6F1 (slot4) 6E3 (slot6) 6E4 (slot4)	V5.x

	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
2.1.8	**SCSI RAID adapter**						
 (VHDCI) 	PCI 4-Channel Ultra3 SCSI RAID adapter (Supported on Brisque V4 and up) Parts for service:	4-X	609-00164	2498		43P-150(2) F50 (slot9) 44P (slot2) 6F1 (slot3) 6E3 (slot6) 6E4 (slot4)	V4.x V5.x
	Part#1: Battery		609-00236		37L6903		
	Part#2:128MB Cache +Battery		609-00237		37L6902		
	Part#3: BASE CARD		609-00235		37L6892		
2.1.9	**Fiber Channel**						
	Cambex PC1000 1GB FC Copper HBA FC adapter, single loop 64 bit copper GBIC, (** Brisque V5 required an update)		609-00001			6F1 (slot10)	V4.x V5.x**

Brisque boards (By Creo)

	Description	Creo P/N		Machine & Slot	Brisque version
2.1.10	**TSP board**				
	TSP 75 Assembly For: most CTP / CTF Not for: Dolev800V3 & Magnus VLF V-type Only on 5 Volts PCI platforms (not: 6E3, 6E4 & Mac G5)	503D03465M		E30 (slot-6) 43P (slot-3) F50 (slot-5 & slot-6) 44P (slot-4 & slot-5) 6F1 (slot-7 & slot-11)	V3.0 V4.x V5.x
	TSP75 UNI Assembly For: most CTP / CTF Not for: Dolev800V3 & Magnus VLF V-type Universal PCI: 5V/ 3.3V (all platforms)	503-00091A		E30 (slot-6) 43P (slot-3) F50 (slot-5 & slot-6) 44P (slot-4 & slot-5) 6F1 (slot-7 & slot-11) 6E3 (slot-5 & slot-4) 6E4 (slot-6 & slot-5)	V3.0 V4.x V5.x
	TSP75 UNI CTP Assembly Only for: CTP Not for: CTF (Dolev) & Magnus VLF V-type Universal PCI: 5V/ 3.3V (all platforms, not for Mac)	503-00276A		E30 (slot-6) 43P (slot-3) F50 (slot-5 & slot-6) 44P (slot-4 & slot-5) 6F1 (slot-7 & slot-11) 6E3 (slot-5 & slot-4) 6E4 (slot-6 & slot-5)	V3.0 V4.x V5.x
	TSP100 Assembly Only for: Dolev800V3. Only on 5 Volts PCI platforms (not: 6E3, 6E4 & Mac G5)	503D3E755L		E30 (slot-6) 43P (slot-3) F50 (slot-5 & slot-6) 44P (slot-4 & slot-5) 6F1 (slot-7 & slot-11)	V3.0 V4.x V5.x
	TSP100 UNI Assembly Only for: Dolev800V3. Universal PCI: 5V/ 3.3V (all platforms)	503-00089A		E30 (slot-6) 43P (slot-3) F50 (slot-5 & slot-6) 44P (slot-4 & slot-5) 6F1 (slot-7 & slot-11) 6E3 (slot-5 & slot-4) 6E4 (slot-6 & slot-5)	V3.0 V4.x V5.x
	TSP300 Assembly Only for: Magnus VLF V-type Universal PCI: 5V/ 3.3V (all platforms, not for Mac)	503-00017B		6F1 /4 (slot-7) 6F1 /6 (slot-7) 6E3 (slot-5) 6E4 (slot-6)	V5.1
2.1.11	**SFL board**				
	SFL-PCI board Assembly	503C40960S		E30 (slot-6) 43P (slot-3) F50 (slot-5)	V3.0 V4.x

2.1.12 Rotation board

	ROTATION 128MB Assembly (5 Volts PCI)	503D2L300		E30 (slot-4) 43P (slot-4) F50 (slot-8) 44P (slot-3) 6F1 (slot-12)	V3.0 V4.x V5.x
	ROTATION 256MB Assembly (5 Volts PCI)	503D2L500		E30 (slot-4) 43P (slot-4) F50 (slot-8) 44P (slot-3) 6F1 (slot-12)	V3.0 V4.x V5.x
	ROTATION2 128MB Assembl. (5 Volts PCI)	503D3E383		E30 (slot-4) 43P (slot-4) F50 (slot-8) 44P (slot-3) 6F1 (slot-12)	V3.0 V4.x V5.x
	ROTATION2 256MB Assembl. (5 Volts PCI)	503D3E384		E30 (slot-4) 43P (slot-4) F50 (slot-8) 44P (slot-3) 6F1 (slot-12)	V3.0 V4.x V5.x

2.1.13 LanC board

	LANC FAST Ethernet PCI (Not supported on Brisque 4.1 and up)	503C40596S		E30 (slot-5) 43P (slot-4) F50 (slot-4)	V3.0 V4.0

2.1.14 Brisque Boards Notes

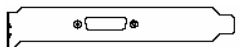
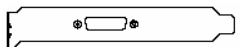
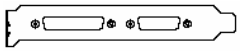
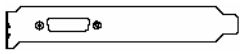
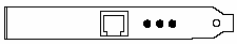
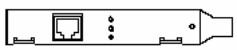
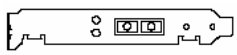
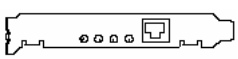
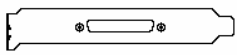
Note 1: To support the Gigabit Copper board SK-9821 (by Syskonnect), load the diskette that comes with the board:

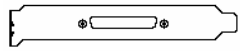
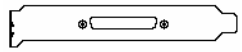
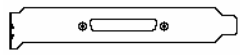
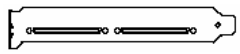
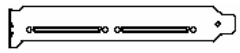
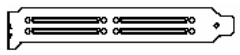
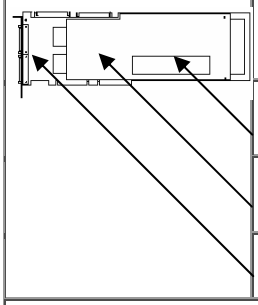
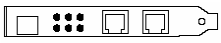
- For Brisque v4.x load: “Drivers for AIX 4.3.3” diskette (651-00339A)
- For Brisque v5.x load: “Drivers for AIX 5.2” diskette (651-00389A)

2.1.15 Brisque Boards kits P/N

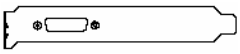
Board	Sales P/N	Kit P/N	Item P/N
Graphics adapter GXT-135P	015-00242A		609-00079
Ethernet 10/100 adapter	015-00150A	518-00164A	605B00322
Gigabit Fiber ver4	501R44957	510K1M297	605A00250
Gigabit Fiber ver5	015-00699A	518-00974A	609-00285
Gigabit Copper 10/100/1000 ver4 / ver5	501R49702	518-01226B	609-00329
Gigabit Copper ver5	015-00697A	518-00973A	603-00365
SCSI LVD Dual Channel adapter ver4	015-00113A	518-00094A	605B00303
SCSI LVD Dual Channel adapter ver5	015-00702A	518-00996A	603-00366
SCSI Differential	501R44828		605B00415

2.2 Brisque Serve boards

	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
2.2.1	**Graphic adapter**						
	S15	-	605E00120	2657	11H6095	E30 (slot1)	V3.0 V4.0
	GXT-110P	-	605B00250	2839	93H7983/ 40H5838	E30 (slot1) 43P-140(1)	V3.0 V4.0
	GXT-120P	1-P	605B00400	2838	93H2534/ 08L0895	43P (slot1) F50 (slot3)	V3.0 V4.0
	GXT-130P (V3 require a new AIX CD and diskette)	1-T	605B00401	2830	11K0313	43P (slot1) F50 (slot3) 44P (slot6) 6F1 (slot6)	V3.0* V4.0
2.2.2	**Ethernet adapter**						
	10BT Ethernet Pcnet	8-Z	605E00070	2987	11H8130/ 93H7766	E30 (slot3)	V3.0 V4.0
	10/100 Ethernet 3Com	-	605B00240	2986	94H0385/ 93H1845	E30 (slot3) F50 (slot2) 43P-140(2)	V3.0 V4.0
	10/100 Ethernet	9-P	605B00320	2968	94H0823	43P (slot2) F50 (slot2) 44P (slot2) 6F1 (slot8)	V3.0 V4.0
	10/100 Ethernet II	A-F	605B00322	4962	09P3196	43P-150(2) F50 (slot2) 44P (slot2) 6F1 (slot8)	V4.0
2.2.3	**Gigabit adapter - Fiber**						
 (SC fiber optic)	Gigabit Ethernet SX adapter (Fiber)	9-U	605A00250	2969	09P2098/ 07L8916	F50 (slot4) 44P (slot1) 6F1 (slot5)	V3.0 V4.0
2.2.4	**Gigabit adapter - Copper**						
	10/100/1000 Ethernet	A-A	605E00273	2975	00P1690/ 09P0684	F50 (slot4) 44P (slot2) 6F1 (slot5)	V4.0
	SK-9821 10/100/1000 Ethernet (Copper). By: Syskonnect (*need driver diskette)		609-00329		SK-9821 V2.0	F50 (slot4) 44P (slot2) 6F1 (slot5)	V4.0*
2.2.5	**SCSI adapter**						
 (68 pin)	SCSI-2 Single-Ended	4-A	605E00060	2408/ 6208	73H3562/ 93H8406/ 11H8085	E30 (slot6)	V3.0 V4.0

	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
 (68 pin)	Ultra Single-Ended	4-K	605B00300	6206	93H3809	E30 (slot2) 43P (slot5) F50	V3.0 V4.0
2.2.6	**SCSI Different**						
 (68 pin)	Ultra Differential (5 Volts PCI slot)	4-L	605B00410	6207	40H6595	43P (slot2) F50 (slot1)	V3.0 V4.0
 (68 pin)	Ultra Differential (universal PCI slot)	4-U	605B00415	6204	11K0671	43P (slot2) F50 (slot1) 44P (slot5) 6F1 (slot9)	V3.0 V4.0
2.2.7	**SCSI LVD**						
 (VHDCI)	Dual Channel Ultra2	4-R	605B00301	6205	07L8732/ 3N3606	43P-150(2) F50 (slot9) 44P (slot1) 6F1 (slot4)	V3.0 V4.0
 (VHDCI)	Dual Channel Ultra3	4-Y	605B00303	6203	09P2544	43P-150(2) F50 (slot9) 44P (slot1) 6F1 (slot4)	V4.0
2.2.8	**SCSI RAID adapter**						
 (VHDCI)	PCI 4-CHANNEL Ultra3 SCSI RAID adapter Parts for service:	4-X	609-00164	2498		43P-150(2) F50 (slot9) 44P (slot2) 6F1 (slot3)	V4.0
	Part#1: Battery		609-00236		37L6903		
	Part#2:128MB Cache +Battery		609-00237		37L6902		
	Part#3: Base card		609-00235		37L6892		
2.2.9	**LanC board**						
	LANC Fast Ethernet PCI		503C40596S			E30 (slot5) 43P (slot4) F50 (slot4)	V3.0 V4.0
2.2.10	**Fiber Channel**						
	FC Host PCI Bus Adapter – Emulex		607S00719			43P-150 F50	V3.0
	Emulex LP8000 FC HBA DB9 Copper GBIC FC host bus adapter, single loop 64 bit		607S00822			43P-150 F50	V3.0 V4.0

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	Description	Code (Label)	Creo P/N	IBM P/N	FRU P/N (service)	Machine & Slot	Brisque version
	Cambex PC1000 1GB FC Copper HBA FC adapter, single loop 64 bit copper GBIC		609-00001			F50 44P (slot2) 6F1 (slot8)	V4.0

2.3 Memory modules

Size	Creo P/N	Description	IBM P/N	Kingston's P/N	FRU P/N (service)	Total slots
2.3.1 E30 Memory						
32MB	605B00140	DIMM of 32MB (E30)	4132	KTM-F30/32	65G4617	8 DIMMs
64MB	605B10905	DIMM of 64MB (E30)	4164	KTM-F30/64	39H9837	
128MB	605B00145	DIMM of 128MB (E30)	4168		73H3451	
Minimum requirement: Brisque v3.0=128MB, v4.0=256MB, v4.1=256MB (recommended 512MB)						
2.3.2 43P-140 Memory						
64MB	605B00340	DIMM of 64MB (43P-140)	4114	KTM-43P/64	42H2774	6 DIMMs
128MB	605B00490	DIMM of 128MB (43P-140)	4115	KTM-43P/128	93H6823	
Minimum requirement: Brisque v3.0=128MB, v4.0=256MB, v4.1=256MB (recommended 512MB)						
2.3.3 43P-150 Memory						
128MB	605B00610	DIMM of 128MB (43P-150)	4150	KTM43P150/128	19L1809	4 DIMMs
256MB	605B00620	DIMM of 256MB (43P-150)	4169	KTM43P150/256	29L3302	
Minimum requirement: Brisque v3.0 & v4.x=256MB, v4.1 recommended 512MB, v5.x=1024MB						
2.3.4 F50 Memory						
64MB	605B00310	Kit of 64MB - F50 (2x 32MB DIMMs)	4107	KTM-F50/64		8 Pairs Note 1 Note 2
	603-00291	DIMM of 32MB (F50) (For service)			93H4700	
256MB	605B00330	Kit of 256MB – F50, 6F1, 44P (2x 128MB DIMMs)	4110	KTM-F50/256	44P3586	
	609-00244	DIMM of 128MB (F50,6F1,44P) (For service)			93H4702/ 21L3876/ 44P3586	
F50 2way Minimum: Brisque v3.0=256MB, v4.x=512MB, v4.1 recommended 1024MB, v5.x=2048MB F50 4way Minimum: Brisque v3.0=512MB, v4.x=512MB, v4.1 recommended 1024MB, v5.x=2048MB						
2.3.5 44P-170 Memory						
256MB	605B00330	Kit of 256MB – F50, 44P, 6F1 (2x 128MB DIMMs)	4110	KTM-F50/256		2 Pairs Note 1
	609-00244	DIMM of 128MB (F50,44P,6F1) (For service)			93H4702/ 21L3876/ 44P3586	
512MB	605B00335	Kit of 512MB – 44P, 6F1 (2x 256MB DIMMs)	4119	KTM-H70/512		
	609-00243	DIMM of 256MB (44P, 6F1) (For service)			07L9030 / 44P3585	

Size	Creo P/N	Description	IBM P/N	Kingston's P/N	FRU P/N (service)	Total slots
1GB	609-00246	Kit of 1024MB – 44P (2x 512MB DIMMs)	4121	KTM44P170/102		
	609-00238	DIMM of 512MB (44P-170) (For service)			09P0491/ 09P0482/ 44P3588	
Minimum requirement: Brisque v4.x=512MB, v5.x=1536MB						
2.3.6 6F1 Memory						
256MB (512MB)	605B00330	Kit of 256MB – F50, 44P, 6F1 (2x 128MB DIMMs)	4110	KTM-F50/256	44P3586	4 Quads Quad= 2 kits Note 1
	609-00244	DIMM of 128MB (F50,6F1,44P) (For service)			93H4702/ 21L3876/ 44P3586	
512MB (1GB)	605B00335	Kit of 512MB – 44P-170, 6F1 (2x 256MB DIMMs)	4119	KTM-H70/512		
	609-00243	DIMM of 256MB (44P-170,6F1) (For service)			07L9030/ 09P3906	
1GB (2GB)	605B00336	Kit of 1024MB – 6F1 (2x 512MB DIMMs)	4100	KTM-F80/1024		
	609-00249	DIMM of 512MB (6F1) (For service)			07L9758	
6F1-2way Minimum requirement: Brisque v4.x= 512MB, v4.1 recommended 1024MB, v5.x=1024MB 6F1-4way Minimum requirement: Brisque v4.x=1024MB, v4.1 recommended 1536MB, v5.x=1536MB 6F1-6way Minimum requirement: Brisque v4.x=1536MB, v4.1 recommended 2048MB, v5.x=2048MB						
2.3.7 6E3 Memory						
1GB	609-00224	Kit of 1024MB – 6E3 (4x 256MB DIMMs)	4446			2 Quads Note 1
	609-00228	DIMM of 256MB (6E3) (For service)			00P5765	
2GB	609-00225	Kit of 2048MB – 6E3 (4x 512MB DIMMs)	4447	(KTM-P615/2G*)		
	609-00229	DIMM of 512MB (6E3) (For service)			00P5767	
4GB	609-00226	Kit of 4096MB – 6E3 (4x 1024MB DIMMs)	4448	(KTM-P615/4G*)		
	609-00230	DIMM of 1024MB (6E3) (For service)			00P5771	
8GB	609-00227	Kit of 8192MB – 6E3 (4x 2048MB DIMMs)	4449			
	609-00231	DIMM of 2048MB (6E3) (For service)			00P5773	
6E3-1way Minimum requirement: Brisque v5.x=1024MB 6E3-2way Minimum requirement: Brisque v5.x=2048MB						

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2.3.8 6E4 Memory

1GB	609-00136	Kit of 1024MB – 6E4 (4x 256MB DIMMs)	4451			4 Quads Note 1 Note 2
	609-00140	DIMM of 256MB (6E4) (For service)			53P3224	
2GB	609-00137	Kit of 2048MB – 6E4 (4x 512MB DIMMs)	4452	(KTM-P630/2G*)		
	609-00141	DIMM of 512MB (6E4) (For service)			53P3226	
4GB	609-00138	Kit of 4096MB – 6E4 (4x1024MB DIMMs)	4453	(KTM-P630/4G*)		
	609-00142	DIMM of 1024MB (6E4) (For service)			53P3230	
8GB	609-00139	Kit of 8192MB – 6E4 (4x 2048MB DIMMs)	4454			
	609-00143	DIMM of 2048MB (6E4) (For service)			53P3232	
6E4-4way Minimum requirement: Brisque v5.x=4096MB						

2.3.9 Memory Modules Notes

Note 1: Please use the kit P/N for adding memory (must add 2 or 4 DIMMS) and use the DIMM P/N (FRU) for replacing a faulty single DIMM.

Note 2: On F50 you may add up to 2GB of memory DIMMs on one Memory card. You may have a 2nd memory card but the total amount of memory is limited to 3GB.

Note 3: On 6E4, the DIMMs are located in the two Processor modules. You must add two identical quads (8 DIMMs) at the same time—4 DIMMs in each Processor module.

* Not qualified yet

2.3.10 Memory kits P/N

Machine	RAM size	Sales P/N	Kit P/N	Item P/N	Remark
E30	32MB			605B00140	Up to 8 DIMMs
	64MB	501R44771	510K51647	605B10905	
	128MB	501R44936	510K52693	605B00145	
43P-140	64MB			605B00340	Up to 6 DIMMs
	128MB	501R44796	510K51088	605B00490	
43P-150	128MB			605B00610	Up to 4 DIMMs
	256MB	501R49184	510K1M064	605B00620	
F50	64MB (2x 32MB DIMMs)			605B00310	Up to 8 kits
	256MB (2x 128MB DIMMs)	501R44938	510K51087	605B00330	
	512MB (4x 128MB DIMMs)	501R49569	510K1R302	605B00330 x2	Up to 4 kits
44P-170	256MB (2x 128MB DIMMs)			605B00330	Up to 2 kits
	512MB (2x 256MB DIMMs)	501R49568	510K1R301	605B00335	
	1024MB (2x 512MB DIMMs)	015-00042A	518-00020A	609-00246	

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6F1	512MB (4x 128MB DIMMs)	501R49569	510K1R302	605B00330 x2	Up to 4 kits
	1024MB (4x 256MB DIMMs)	501R49570	510K1R303	605B00335 x2	
	2048MB (4x 512MB DIMMs)	015-00016A	518-00001A	605B00336 x2	
6E3	1024MB (4x 256MB DIMMs)	015-00471A	518-00611A	609-00224	Up to 2 kits
	2048MB (4x 512MB DIMMs)	015-00472A	518-00612A	609-00225	
	4096MB (4x1024MB DIMMs)	015-00473A	518-00613A	609-00226	
6E4	2048MB (8x 256MB DIMMs)			609-00136 x2	Up to 2 kits
	4096MB (8x512MB DIMMs)	015-00387A	518-00476A x2	609-00137 x2	
	8192MB (8x1024MB DIMMs)	015-00389A	518-00478A x2	609-00138 x2	

2.4 Disk drives

Creo P/N	Disk description	Vendor P/N (Seagate) ST1xxx=FH ST3xxx=LP	E30	43P	F50	44P	6F1	6E3	6E4	External Tower		Replaced by Creo P/N
										Old	New	
2.4.1 4GB												
607A20180	4GB LP U-SCSI (7200 RPM)	ST34371W	X	X								607A20185
607A20185	4GB XL U-SCSI (7200 RPM)	ST34572W	X	X								607A20186
607A20186	4GB LP U-SCSI (7200 RPM)	ST34573W	X	X								607A20371
2.4.2 9GB												
607A20200	9GB U-SCSI (7200 RPM)	ST19171W	X		X							607A20195
607A20195	9GB LP U-SCSI (7200 RPM)	ST39173W	X	X	X							607A20250
607A20250	9GB LP Ultra2 SCSI (7200 RPM)	ST39175LW	X	X	X							607A20305
607A20305	9GB XL USCSI-160 (7200 RPM)	ST39236LW	X	X	X							607A20371
2.4.3 18GB												
607A20205	18GB FW USCSI (7200 RPM)	ST118273W			X*							607A20260
607A20260	18GB LP Ultra2 SCSI (7200 RPM)	ST318275LW		X	X*							607A20325
607A20325	18GB XL USCSI-160 (7200 RPM)	ST318436LW	X	X	X*							607A20370
607A20370	18GB ES USCSI-160 (7200 RPM)	ST318437LW	X	X	X*							607A20371
607A20371	18GB ES2 Ultra 160 (7200 RPM)	ST318438LW	X	X	X*							607A20455
607A20335	18GB LP USCSI-160 (10K RPM)	ST318404LW				X						607A20385
607A20385	18GB XL (10K RPM)	ST318405LW				X						607A20435
607A20435	18GB ES USCSI-160 (10K RPM)	ST318406LW				X						607A20455

Creo P/N	Disk description	Vendor P/N (Seagate) ST1xxx=FH ST3xxx=LP	E30	43P	F50	44P	6F1	6E3	6E4	External Tower		Replaced by Creo P/N
										Old	New	
607A20440	18GB ES (10K) CSA - 80 pins	ST318406LC					X*					605B00807
605E00272	IBM 18GB 10K	IBM's 3102 FRU: 09P4429		X		X						(in use)
605B00807	IBM 18GB 10K (carrier for 6F1)	IBM's 3153 FRU: 09P4435 / 09P3922 / 00P3829					X**					(in use)
2.4.4	**50GB**											
607A20290	50GB Ultra2 SCSI (7200 RPM)	ST150176LW	X		X*							607A20376
2.4.5	**36GB**											
607A20270	36GB Ultra2 - SCSI (7200 RPM)	ST136475LW	X	X	X*							607A20375
607A20375	36GB ES (7200 RPM)	ST336737LW	X	X	X*					X		607A20376
607A20376	36GB ES2 (7200 RPM)	ST336738LW	X	X	X*					X		607A20455
607A20345	36GB LP USCSI-160 (10K RPM)	ST336704LW				X						607A20395
607A20395	36GB LP USCSI-160 (10K RPM)	ST336705LW				X						607A20396
607A20396	36GB ES DISK (10K RPM)	ST336706LW				X						607A20455
607A20455	36GB USCSI320 (10K RPM)	ST336607LW	X	X	X*	X				X		(in use)
605B00821	IBM 36GB 10K (carrier for 6F1)	IBM's 3129 FRU: 09P4445 /09P3831/ 09P3923					X**					(in use)
609-00232	IBM 36GB 10K (carrier for 6E3)	IBM's 3273 FRU: 00P3068 /09P3831						X**				(in use)
609-00144	IBM 36GB 10K (carrier for 6E4)	IBM's 3158 FRU: 00P3068 /09P3831/ 00P3923							X**			(in use)
2.4.6	**73GB**											
607A20350	73GB USCSI-160 10K SCA (80 pin)	ST173404LC									X	607A20400
607A20400	73GB LP 10KRPM SCA (80 pins)	ST373405LC									X	607A20458
607A20458	73GB USCSI-320 10K SCA (80 pin)	ST373307LC									X	607-00079
607-00079	73GB 10K USCSI-320 SCA	ST373207LC									X	(in use)
607A20405	73GB LP 10KRPM	ST373405LW				X						607A20457
607A20457	73GB 10K USCSI-320	ST373307LW	X	X	X*	X				X		607-00078

TOP

Creo P/N	Disk description	Vendor P/N (Seagate) ST1xxx=FH ST3xxx=LP	E30	43P	F50	44P	6F1	6E3	6E4	External Tower		Replaced by Creo P/N
										Old	New	
607-00078	73GB 10K USCSI-320	ST373207LW	X	X	X*	X				X		(in use)
605B00825	IBM 73GB 10K (with carrier for 6F1/6E4)	IBM's 3159 FRU: 09P4888 / 09P3833					X**		X**			(in use)
609-00233	IBM 73GB 10K (carrier for 6E3)	IBM's 3274 FRU: 00P3072 /09P3833						X**				(in use)
609-00160	IBM 73GB 10K Ultra160 disk for Exp-300 RAID	IBM: 06P5756 FRU: 06P5760										(in use)
603-00297	IBM 73GB 10K Ultra320 disk for Exp-320 RAID	IBM's 4073 FRU: 55P4124										(in use)
2.4.7	**146GB**											
607A20460	146GB U320 10K SCA (80 pins)	ST3146807LC									X	607-00081
607-00081	146GB 10K USCSI320 SCA	ST3146707LC									X	(in use)
607A20459	146GB U320 10K	ST3146807LW										
607-00080	146GB 10K USCSI320	ST3146707LW	X	X	X*	X				X		(in use)
609-00145	IBM 146GB 10K Ult3 (with carrier for 6F1/6E3/6E4)	IBM's 3275 FRU: 00P2665 /00P3835					X**	X**	X**			(in use)
609-00161	IBM 146GB 10K Ultra160 disk for Exp-300 RAID	IBM: 32P0750 FRU: 32P0760										(in use)
603-00298	IBM 146GB 10K Ultra320 disk for Exp-320 RAID	IBM's 4146 FRU: 55P4128										(in use)
2.4.8	**300GB**											
607-00083	300GB 10K USCSI320 SCA	ST3300007LC ****										(New)- TBD
607-00082	300GB 10K USCSI320	ST3300007LW ****										(New)- TBD

2.4.9 Disk Drives Notes

Black text = old and discontinued

Green text = in current use

SCA = Single Connector Attachment (80 pins)

External Tower: old = Discontinued, new= Current "SCA" 73GB / 146GB

* Hot Swap Carrier needed for additional disks (use old one when replacing disk)
  On Brisque F50, the carrier is needed only for user disks (Data Volume).
  It is not needed for the system disk (the standard E30/43P/44P kit can be used).

** Includes Hot Swap Carrier.

*** System disk for Brisque version 3.0 can be only 4GB or 9GB.

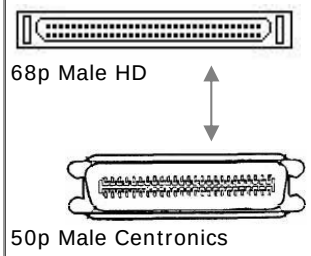
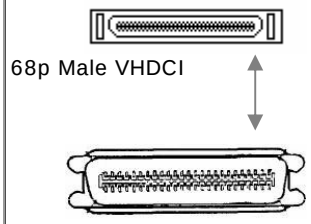
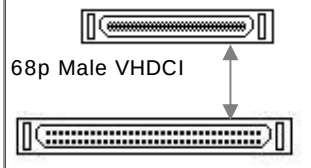
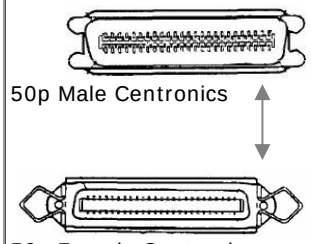
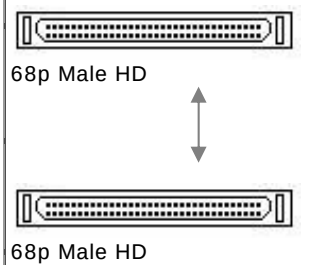
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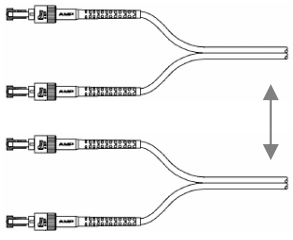
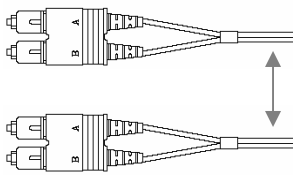
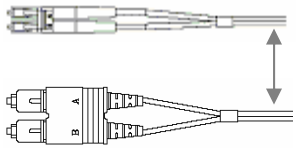
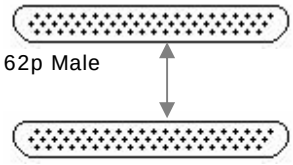
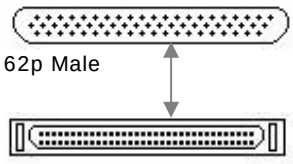
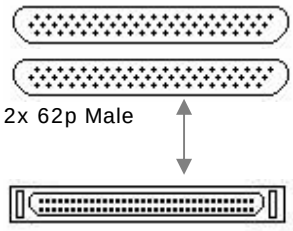
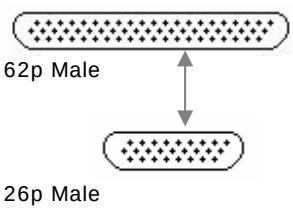
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2.4.10 Disk kits P/N

Disk / machine	Sales P/N	Kit P/N	Item P/N
36GB for: E30, 43P, 44P	501R49565	510K1R298	607A20455
36GB for: F50	501R49497	510K1P979	607A20455 + carrier
36GB for: 6F1	501R49567	510K1R300	605B00821
36GB for: 6E3	015-00390A	518-00477A	609-00232
36GB for: 6E4		518-00480A	609-00144
73GB for: E30, 43P, 44P	501R49566	510K1R299	607-00078
73GB for: F50	501R58009	510K3R880	607-00078 + carrier
73GB for: 6F1, 6E4	501R49822	510K3R365	605B00825
73GB for: 6E3	015-00470A	518-00610A	609-00233
73GB for: External disk tower	501R49401	510K1R067	607-00079
73GB (x7) for: Exp300 RAID	015-00305A	518-00375A	609-00160 x7
73GB (x7) for: Exp320 RAID	015-00467A	518-00608A	603-00297 x7
146GB for: E30, 43P, 44P	015-00711A	518-01026A	607-00080
146GB for: F50	015-00712A	518-01027A	607-00080 + carrier
146GB for: 6F1, 6E3, 6E4	015-00474A	518-00614A	609-00145
146GB for: External disk tower	015-00111A	518-00090A	607-00081
146GB (x7) for: Exp300 RAID	015-00306A	518-00376A	609-00161 x7
146GB (x7) for: Exp320 RAID	015-00468A	518-00609A	603-00298 x7

2.5 External cables

Connectors	Creo P/N	Description	Connection
	199D50450	Cable 68 to 50 Centronics L=1M	On-board 43P and F50, Ultra SCSI board. For example, to Iris.
	199D50460	Ultra VHDCI 68 to 50 Centronics L=1M	On-board 44P, 6F1, 6E4 & Ultra2, Ultra3, Ultra320 Dual channel adapter For example, to Iris.
	199D50465	Ultra VHDCI 68 to HPDB 68, L=1.5M	On-board 44P, 6F1, 6E4 & Ultra2, Ultra3, Ultra320 Dual channel adapter For example, to Tower.
	199B20015	Cable Centronics 50F/50M L=3M	50pin extension cable To Iris
	199D20031 (Tower original)	SCSI-3 Cable (68PIN PLGX2) L=0.9M	On-board 43P and F50, Ultra SCSI board For example, to Tower.
	199D20026	SCSI-3 Cable (68PIN PLGX2) L=1M	
	199D20027	SCSI3 (68PIN PLGX2) Cable L=1.5M	
	199D20027A	SCSI 3 (68PIN PLGX2) L=20M with Ferrite	SCSI Differential adapter To Trendsetter MPE.

Connectors	Creo P/N	Description	Connection
	138E00090	MULTIMODE FIBER Cable 50/125 L=30M	SFL board to Dolev
	138E00100	MULTIMODE FIBER Cable 50/125 L=50M	
	138E00110	MULTIMODE FIBER Cable 50/125 L=100M	
	199O01004	GIGABIT F.O. Cable SC 30M	SC-SC cable for old “SC” Gigabit optic card (9-U), or for new “LC” Gigabit card (5700) with LC to SC converter: 609-00313
	216-00044	Cable, F.O. SC, 60M	
	609-00313	FIBER Cable SC to LC 2M +SC/SC CONVERTER	LC to SC converter to extend SC-SC cable 199O01004 for new “LC” Gigabit optic card (5700)
	609-00314	FIBER Cable SC to LC 30M	LC to SC cable for new “LC” Gigabit optic card (5700)
	504L1L670	Cable, 62 PIN D-TYPE PLG-PLG L=30	One TSP to: Lotem400/ Lotem800 (FH), ThermoFlex Mid/Narrow
	199D20025	LOTEM I/F to TSP 68P HP-62PD L=20M	One TSP to: Lotem 800 II Quantum S & F, Lotem 400 Quantum S
	199D20025A	LOTEM/TS I/F to TSP 68P HP-62PD L=30M	One TSP to: Trendsetter MCE Family, Lotem 800II S & F
	199D20022	LOTEM/TS I/F(68P) to TSP(62P) X2 L=30M	Two TSP to: Lotem 800 II Quantum S & F, Lotem 400 Quantum S
	199D20024	LOTEM I/F(68P) to TSP(62P) X2 L=20M	Two TSP to: Lotem 800 II Quantum S & F, Lotem 400 Quantum S
	199D06226	TSP HIGH FREQUENCY Cable L=30M (62P to 26P)	One TSP to: V3, Dolev

2.6 Monitors

Creo P/N	Description	Vendor P/N	Color	Machines
2.6.1 LCD				
608-00007	TFT 15" WHITE FLAT Monitor	PHILIPS: 150B5CG/27 SAMSUNG: 153S	White (Ivory)	43P-150, F50, 44P, 6F1
608-00008	TFT 15" WHITE FLAT Monitor	PHILIPS: 150S6FG/27	White (Ivory)	
608-00002	15" LCD TFT Monitor (SILVER COLOR)	AOC: LM520A LG: L1530S	Silver	6E3, 6E4
611A10400	Monitor AOC 15.1" TFT LCD WHITE	AOC: LM-500	White (Ivory)	43P-150, F50, 44P, 6F1
611A10410	IBM-T545 TFT 15" Monitor (T53)	IBM: 6653HW2-GR	White (Ivory)	43P-150, F50, 44P, 6F1
611A10411	IBM-T540 TFT 15" FLAT Monitor (T11)	IBM: 9511AW4-GR	White (Ivory)	43P-150, F50, 44P, 6F1
611A10450	IBM-T750 TFT 17" Monitor (T57)	IBM: 6657HW2-GR	White (Ivory)	Option for: 43P-150, F50, 44P, 6F1
2.6.2 CRT (old)				
611A10010	Monitor 15" M/SCAN A/VOLT North	Sony: CPD-15SF1 / Sony: CPD-15SF2	White (Ivory)	Old platforms
611A10220	MultiScan 15" Monitor 100SF	Sony: CPD-100SF	White (Ivory)	Old platforms
611A10221	MultiScan 15" Monitor 100ES	Sony: CPD-100ES	White (Ivory)	Old platforms
611A10230	MultiScan 15" Monitor 105F	Sony: CPD-105F	White (Ivory)	Old platforms
611A10320	MultiScan 15" Monitor 110EST	Sony: CPD-110EST	White (Ivory)	Old platforms
611A10340	MultiScan 15" Monitor E100	Sony: CPD-E100	White (Ivory)	Old platforms
611A10350	MultiScan 17" Monitor E210	Sony: CPD-E210	White (Ivory)	Old platforms
611A10395	15" CRT Monitor	IBM: T3107EU (E54)	White (Ivory)	Brisque 250 43P-150 (250MHz)

2.7 Modems

Creo P/N	Description	Vendor P/N	
2.7.1 External Modem			
605A70401	EXTERNAL 56K MODEM - see: note 1	ZOOM TECHNOLOGIES INC. P/N: 3049 - see: note 3	(new)
		US Robotics P/N: USR813453B see: note 3 & note 4	(new)
		Diamond Multimedia Systems, INC. Model: SUP2312 with: v3. 1088Bb P/N: DSE56EP-KI	(old)
		Diamond Multimedia Systems, INC. Model: SUP2311 P/N: 326080KI-001	(old)
605A70400	EXTERNAL SUPRAFAX MODEM (14,400 / 28,800 / 33,600) - see: note 1	Diamond Multimedia Systems, INC. P/N: 50-V34E-MC	(old)
		Diamond Multimedia Systems, INC. P/N: 70-V34E-PM/M	(old)
		Diamond Multimedia Systems, INC. P/N: 9050004-01	(old)
2.7.2 External ISDN Modem			
605A80370	CMPTR, MODEM, ISDN, EUROPEAN, SERIAL - see: note 2	Multi-Tech Systems INC. P/N: MTA128ST	(new)
		Zyxel Communications CO. P/N: OMNI-NET DATA	(old)

2.7.3 Modems Notes

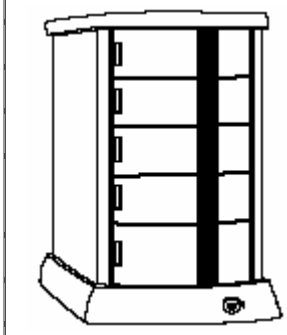
Note 1: External SERIAL Modem:
- Includes both: 110V P.S. (US) and 220V P.S. (Europe).

Note 2: External SERIAL IDSN Modem:
- Optional in Europe, should be purchased locally (not via KIL.)

Note 3: Have UL & CE certification.

Note 4: There is a jumper setting on this model.

2.8 External Disk Tower

	Creo P/N	Description	Vendor P/N	Quantity
	370N10080	Fortra 4DR, 1CH, LVD, enclosure	JMR: FT04-L11-1	1
	605S00070	Power supply for Tower FT04	JMR: DSSH-085	1
	605S00071	Blower for Tower FT04	JMR: FAD-00014	1
	199D20031	SCSI-3 cable (68PIN PLGX2)	JMR: CBL-00532	1
	199D50465	Ultra VHDCI 68 to HPDB 68 1.5M	Sinbon: A9103458 TelAd: NLZ99190A	Note 1
	184G50075	SCSI-3 SE/LVD Termination	JMR: CAN-01883	1
	184G50090		Genic: TE-11A50	Note 2
	651-00266C	U/D for Brisque Disk Drives	Creo 651-00266C	1
	607-00079	73GB 10K USCSI320 SCA disk	ST373207LC	Up to 4
	607-00081	146GB 10K USCSI320 SCA DISK	ST3146707LC	

2.8.1 External Disk Tower Notes

Note 1: For E30, 43P, F50—use the 68p to 68p cable (199D20031)
For 44P, 6F1, 6E3, 6E4—use the 68p to VHDCI 68p cable (199D50465)

Note 2: Original termination (184G50075) arrived with the Tower.
For service, use the other termination (184G50090).

2.8.2 External Disk Tower kits P/N

	Parts includes	Sales P/N	Kit P/N
External Tower 73GB SCA	Tower + 1x 73GB disk	501R49400	501S4L086
External Tower 146GB SCA	Tower + 1x 146GB disk	015-00110A	010-00072A
Add 73GB disk for external Tower SCA	1x 73GB disk	501R49401	510K1R067
Add 73GB disk for external Tower SCA	1x 146GB disk	015-00111A	518-00090A

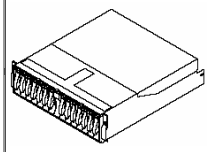
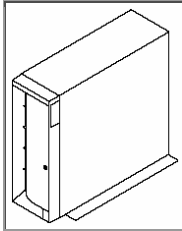
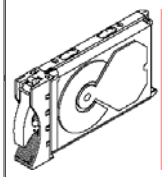
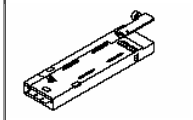
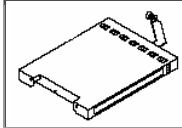
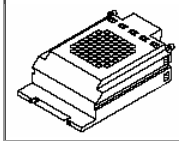
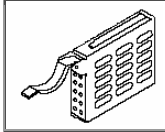
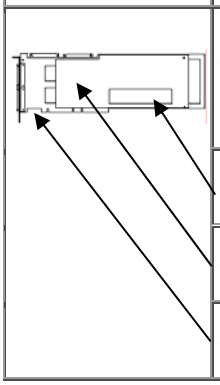
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3. RAIDs

a) Exp300 RAID

b) Exp320 RAID

3.1 Exp300 RAID Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	Quantity
	609-00157	IBM Exp300 Storage EXPANSION UNIT - see: note 1		19K1157	1
	603-00292	IBM Exp300 chassis with MIDPLANE		19K1170, 19K1239	1
	609-00162	IBM EXP RACK to TOWER conversion kit		09L3378, 09N7296	1
	609-00160	IBM 73GB 10K Ultra160 disk Exp300 - see: note 2	06P5756	06P5760	7 or 14
	609-00161	IBM 146GB 10K Ultra160 disk Exp300 - see: note 2	32P0750	32P0760	7 or 14
	609-00163	2M SCSI cable for Exp300 (VHDCI 68 X2)		09N7276	2
	609-00165	IBM Exp300 switch card adapter		19K1173	1
	609-00166	IBM Exp300 ESM card adapter		19K1171	2
	609-00167	IBM Exp300 Power Supply UNIT		07K5985	2
	609-00168	IBM Exp300 Bridge card adapter		19K1172	1
	609-00164	PCI 4-CHANNEL Ultra3 SCSI RAID adapter - see: note 3	2498		1 List
	609-00236	BATTERY FOR PCI 4-CHANNEL RAID adapter - see: note 4		37L6903	
	609-00237	128MB Cache + Battery (PCI RAID adapter) - see: note 3		37L6902	
	609-00235	PCI 4-CHANNEL RAID adapter - Base card - see: note 3		37L6892	

3.1.1 Exp300 RAID Notes

Note 1: Includes: all internal components (power supplies, controllers, etc.)
Not included: disk drives and covers (rack to tower conversion).

Note 2: To upgrade “Half capacity” RAID (7 drives) to “Full capacity” RAID (14 drives), 7 drives should be added (same size as the existing drives: 73GB or 146GB).

Note 3: The RAID adapter board (P/N: 609-00164) is an assembly, which consists of:

- Base card (P/N: 609-00235)
- 128MB cache card & battery (P/N: 609-00237)

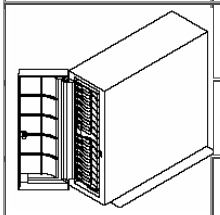
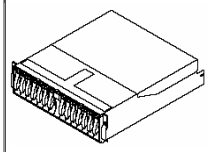
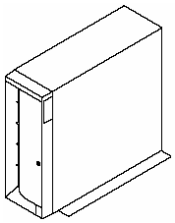
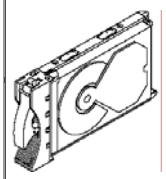
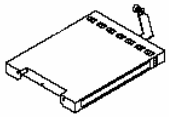
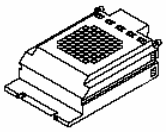
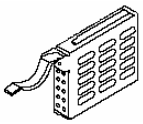
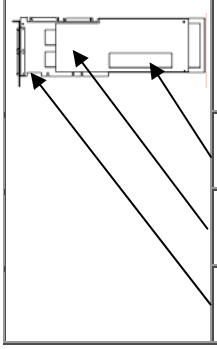
To order a board—use the “marketing” number (P/N: 609-00164).

To repair a board (by IBM) —use the “service” P/N for each specific part:

- Disassemble the board to its components (base /cache)
- Send each card separately, use its specific part number (609-00235 /609-00237).
- Keep the screws and other parts that bind the two cards.

Note 4: The 128MB cache card (P/N: 609-00237) includes the Battery (P/N: 609-00236).

3.2 Exp320 RAID Spare Parts

	Creo P/N	Description	IBM P/N	FRU P/N (service)	Quantity
	609-00251	IBM Exp320 (7X73GB) Storage UNIT - see: note 1	2104-TS4 (EXP-1)		
	609-00252	IBM Exp320 (7X146GB) Storage UNIT - see: note 1	2104-TS4 (EXP-1A)		
	609-00253	IBM Exp320 (14X146GB) Storage UNIT - see: note 1	2104-TS4 (EXP-1B)		
	603-00303	IBM Exp320 Chassis with MIDPLANE		97P1501	1
	609-00162	IBM EXP RACK to TOWER conversion kit (Exp300 & Exp320)		09L3378, 09N7296	1
	603-00297	IBM 73GB 10K Ultra320 disk Exp320 - see: note 2	4073	55P4124	7 or 14
	603-00298	IBM 146GB 10K Ultra320 disk Exp320 - see: note 2	4146	55P4128	7 or 14
	603-00299	3M SCSI cable for Exp320 (VHDCI 68 X2)	5303	09L3301	2
	603-00300	IBM Exp320 ESM card assembly	2642	97P1508	2
	603-00301	IBM Exp320 Power Supply UNIT	3430	97P1515	2
	603-00302	IBM Exp320 Bridge card assembly		97P1511	1
	609-00164	PCI 4-CHANNEL Ultra3 SCSI RAID adapter - see: note 3	2498		1 List
	609-00236	BATTERY FOR PCI 4 CHANNEL RAID adapter - see: note 4		37L6903	
	609-00237	128MB CACHE + BATTERY (PCI RAID adapter) - see: note 3		37L6902	
	609-00235	PCI 4-CHANNEL RAID adapter - BASE CARD - see: note 3		37L6892	

3.2.1 Exp320 RAID Notes

Note 1: With all components, includes disk drives and covers.

Note 2: To upgrade “Half capacity” RAID (7 drives) to “Full capacity” RAID (14 drives), 7 drives should be added (same size as the existing drives: 73GB or 146GB).

Note 3: The RAID adapter board (P/N: 609-00164) is an assembly, which consists of:

- Base card (P/N: 609-00235)
- 128MB cache card & battery (P/N: 609-00237)

To order a board—use the “marketing” number (P/N: 609-00164).

To repair a board (by IBM) —use the “service” P/N for each specific part:

- Disassemble the board to its components (base /cache).
- Send each card separately, use its specific part number (609-00235 /609-00237)
- Keep the screws and other parts that bind the two cards.

Note 4: The 128MB cache card (P/N: 609-00237) includes the Battery (P/N: 609-00236).