

Hard Disk and Diskette Drives

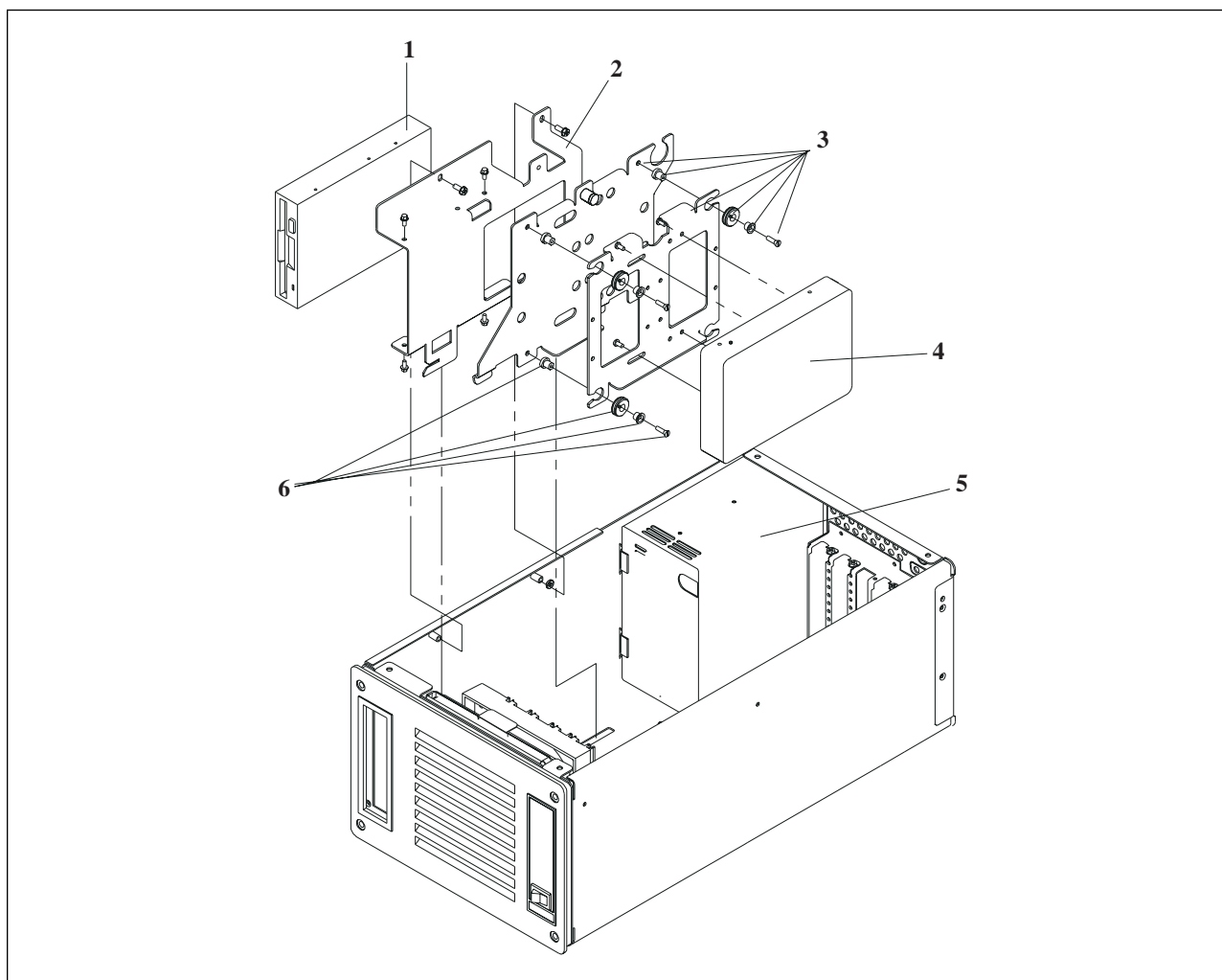


Figure 9-2. Hard Disk and Diskette Drives

Table 9-2. Hard Disk and Diskette Drives

Figure Index Number	FRU Part Number	FRU Description
1	93F2361	1.44MB diskette drive
2	78H5491	Diskette drive mounting bracket
3	78H5492	Hard disk drive mounting plates (contains 4 shock mounts and 2 plates)
4	06H8419 07H0383 75H7497	Hard disk drive IDE (drive only) 850MB drive 1.2GB drive 1.6GB drive
5	76H3268	Power supply (200 watt)
6	78H5498	Shock mount kit (contains everything for 4 mounts)

Top Cover

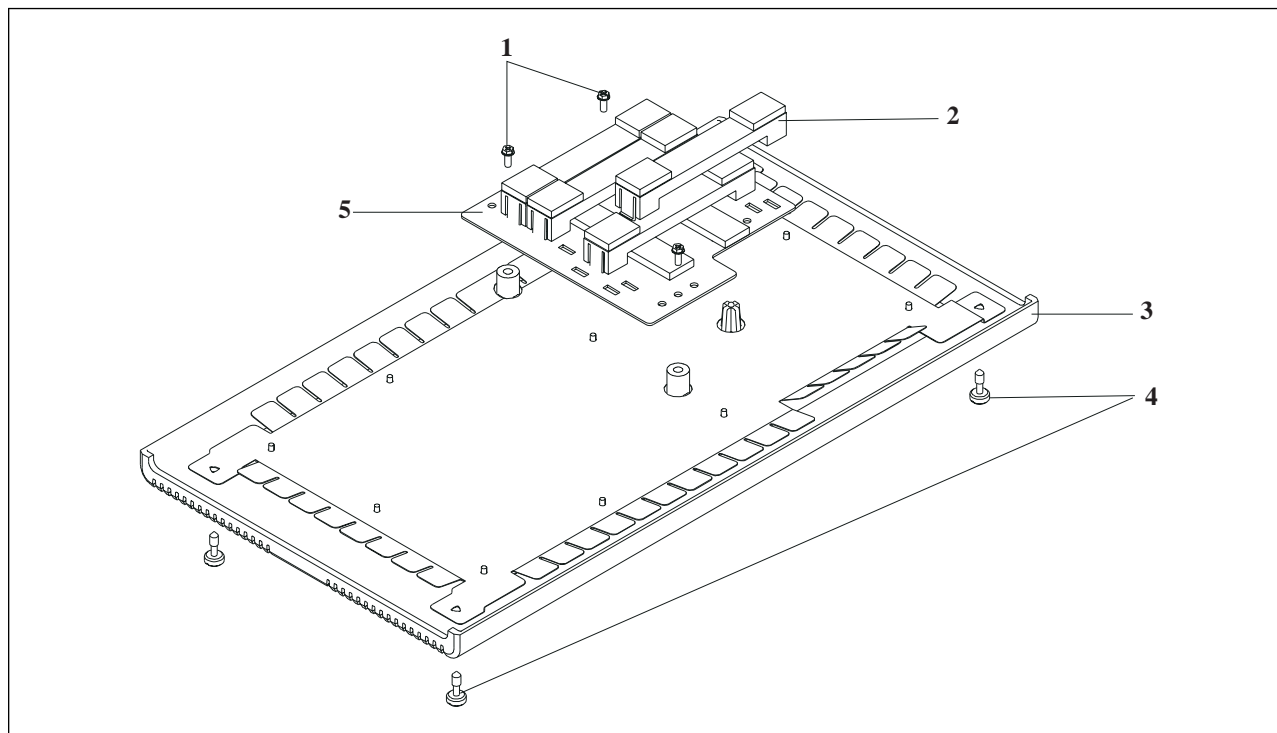


Figure 9-3. Top Cover

Table 9-3. Top Cover

Figure Index Number	FRU Part Number	FRU Description
1	78H5497	Mounting screws (contained in miscellaneous package)
2	06H4247	Card hold-down spacers (contains 3 spacers)
3	78H5494	Cover assembly (contains top and bottom covers)
4	78H5497	Top cover screws (contained in miscellaneous package)
5	78H5495	Hold-down plate (does not contain spacers)
Not shown	78H5497	Card hold-down spacers (contained in miscellaneous package)

Bottom Cover and IBM SBC

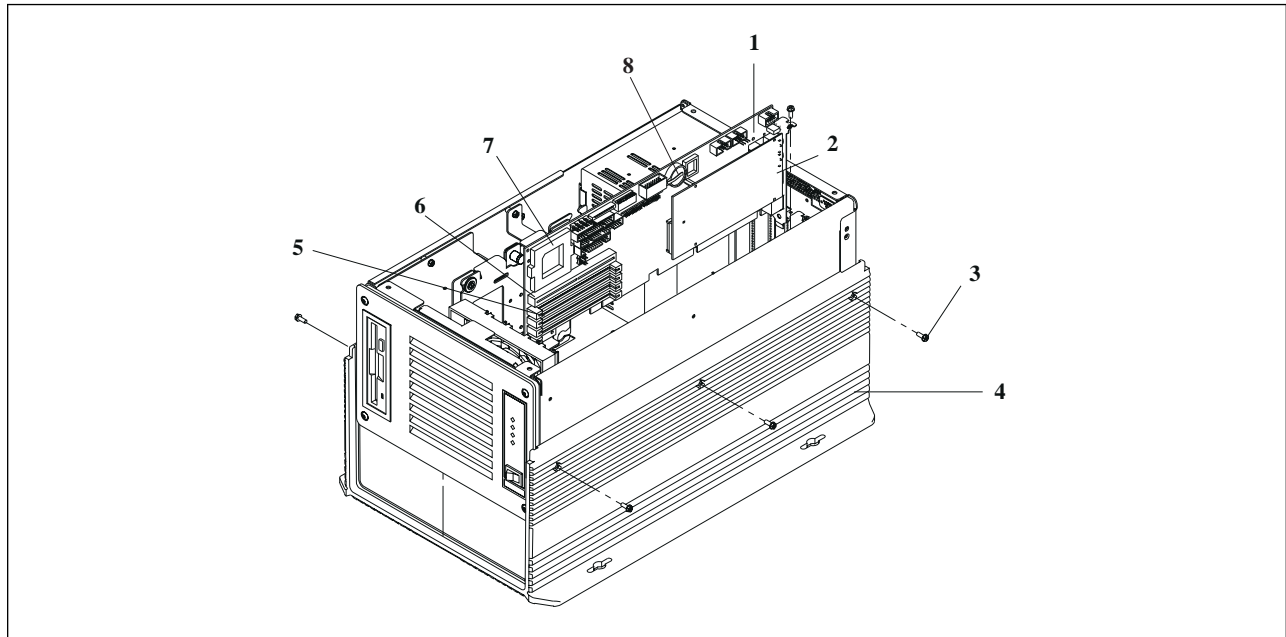


Figure 9-4. Bottom Cover and IBM SBC

Table 9-4. Bottom Cover and IBM SBC

Figure Index Number	FRU Part Number	FRU Description
1	76H4841 76H4378	IBM 586 SBC (without Ethernet) IBM 586E SBC (with Ethernet)
2	76H4383	Analog Video PCI Mezzanine Card (PMC) Form Factor Card (Analog Video PMC Form Factor Card)
3	78H5497	Cover screws (contained in miscellaneous package)
4	78H5494	Cover assembly (contains top and bottom covers)
5	76H4386 76H4387 76H4388 76H4389	4MB memory SIMM, 60ns EDO, parity, gold tab 8MB memory SIMM, 60ns EDO, parity, gold tab 16MB memory SIMM, 60ns EDO, parity, gold tab 32MB memory SIMM, 60ns EDO, parity, gold tab
6	76H4390 76H4391	256KB cache memory module 512KB cache memory module
7	76H4380 76H4381 76H4382	Processor 100MHz with heat sink and clip Processor 133MHz with heat sink and clip Processor 166MHz with heat sink and clip
8	33F8354	Memory-retention (lithium) battery
Not shown	76H5374	Analog Video PMC Form Factor Card mounting (for Bill of Materials without Ethernet)
Not shown	76H4379	Analog Video PMC Form Factor Card mounting (for Bill of Materials with Ethernet)
Not shown	76H4384	IBM SBC Keyboard/mouse cable
Not shown	78H5497	Rubber feet (contained in miscellaneous package)

Fans and Filters

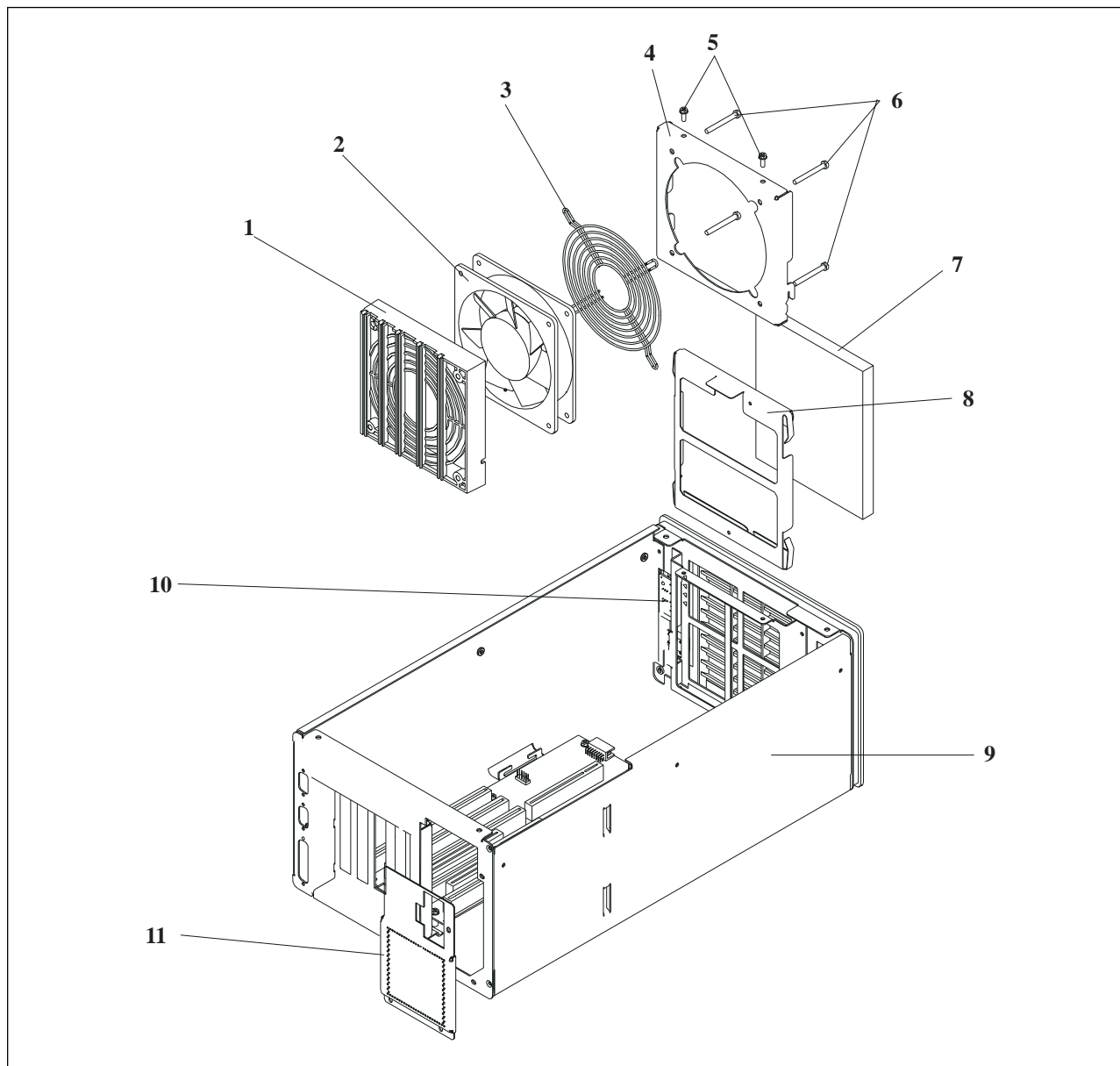


Figure 9-5. Fans and Filters

<i>Table 9-5. Fans and Filters</i>		
Figure Index Number	FRU Part Number	FRU Description
1	06H8154	Fan guard/card holder
2	06H4283	Fan
3	06H4971	Fan grill
4	78H5488	Fan bracket
5	78H5497	Mounting screws (contained in miscellaneous package)
6	78H5497	Fan mounting screws (contained in miscellaneous package)
7	78H5489	Filter element (contains 3)
8	78H5490	Filter assembly (contains filter and frame)
9	78H5496	Chassis assembly
10	06H4264	LED board
11	76H6809	Power supply cover

Mouse

Table 9-6. Enhanced Mouse

FRU Number	FRU Description
06H4595	Enhanced Mouse II

Keyboards

Note: Keyboard FRUs do not include keyboard cable, unless otherwise indicated.

Table 9-7. Enhanced Industrial Keyboards (101 and 102 keys)

FRU Number	FRU Description
1394974	Canadian French
1394972	English (U.S.)
1394977	French (ID 120)
1394976	French (ID 189)
1394978	German
1394979	Italian (ID 141)
1394980	Italian (ID 142)
1394981	Spanish (Latin American)
1394987	Swiss/German/French

Table 9-8. Enhanced Keyboard with TrackPoint II (includes cable)

FRU Number	FRU Description
06H4842	English (U.S.)

Table 9-9. Keyboard Cable

FRU Number	FRU Description
72X8537	Keyboard cable

Power Cords

This product is equipped with a 3-wire power cord and plug for the user's safety. Use this power cord in conjunction with a properly grounded electrical outlet to avoid electrical shock.

Table 9-10 (Page 1 of 2). Power Cords

FRU Number	FRU Description
13F9979	Afghanistan
13F9979	Angola
14F0033	Antigua
72X8508	Argentina
72X8508	Australia
13F9979	Austria
62X1045	Bahamas
14F0033	Bahrain
14F0015	Bangladesh
62X1045	Barbados
13F9979	Belgium
62X1045	Bermuda
62X1045	Bolivia
62X1045	Brazil
14F0033	Brunei
13F9979	Bulgaria
14F0015	Burma
16F2258	Canada
62X1045	Cayman Islands
14F0069	Chile
62X1045	Colombia
62X1045	Costa Rica
14F0033	Cyprus
13F9979	Czechoslovakia
13F9997	Denmark
62X1045	Dominican Republic
14F0033	Dubai (UAE)
13F9979	Egypt
62X1045	Ecuador
62X1045	El Salvador
14F0069	Ethiopia
13F9979	Finland
13F9979	France
13F9979	Germany
14F0033	Ghana
13F9979	Greece
62X1045	Guatemala
62X1045	Guyana
62X1045	Haiti
62X1045	Honduras
14F0033	Hong Kong
13F9979	Hungary
13F9979	Iceland
14F0033	India
13F9979	Indonesia
13F9979	Iran
14F0033	Iraq
14F0033	Ireland
14F0087	Israel
14F0069	Italy
62X1045	Jamaica
62X1045	Japan
13F9979	Jordan
14F0033	Kenya
62X1045	Korea (South)
14F0033	Kuwait

Table 9-10 (Page 2 of 2). Power Cords

FRU Number	FRU Description
13F9979	Lebanon
62X1045	Liberia
14F0069	Libya
13F9979	Luxembourg
14F0033	Malaysia
14F0033	Malawi
14F0033	Malta
13F9979	Martinique
13F9979	Mauritius
62X1045	Mexico
13F9979	Mozambique
14F0033	Nepal
13F9979	Netherlands
62X1045	Netherlands Antilles
72X8508	New Zealand
62X1045	Nicaragua
14F0033	Nigeria
13F9979	Norway
14F0033	Oman
62X1045	Panama
14F0015	Pakistan
72X8508	Paraguay
62X1045	Peru
62X1045	Philippines
13F9979	Poland
13F9979	Portugal
14F0033	Peoples Republic of China
14F0033	Qatar
13F9979	Romania
13F9979	Russia
62X1045	Saudi Arabia
14F0033	Sierra Leone
14F0033	Singapore
14F0033	Somalia
14F0015	South Africa
13F9979	Spain
14F0015	Sri Lanka
13F9979	Sudan
62X1045	Surinam
13F9979	Sweden
14F0051	Switzerland
13F9979	Syria
62X1045	Taiwan
14F0033	Tanzania
16F2258	Thailand
62X1045	Trinidad
13F9979	Turkey
14F0033	Uganda
14F0033	United Kingdom
62X1045	United States
72X8508	Uruguay
62X1045	Venezuela
13F9979	Zaire
14F0033	Zambia
13F9979	Zimbabwe

Part 5. Appendixes

The Appendixes contain supplemental information that is generally not required by the user or service person, as well as safety information. Much of the information in the Appendixes is useful in planning computer system configuration and physical site preparation.

Appendix A. Notices	A-1
Trademarks and Service Marks	A-1
Required Electronic Emission and Connectivity Notices	A-2
Class A Federal Communications Commission Statement	A-2
Industry Canada Compliance Statement	A-2
United Kingdom	A-2
European Union (EU) Electromagnetic Compatibility Directive	A-2
Germany	A-3
Japan	A-4
Korea	A-4
Safety Notices (Multi-Lingual Translations)	A-4
Safety Information	A-10
General Safety	A-10
Electrical Safety	A-11
Safety Inspection Guide	A-14
Handling Electrostatic-Discharge-Sensitive Devices	A-15
Grounding Requirements	A-15
Laser Compliance Statement	A-15
German Power Switch Statement	A-16
Power Cord Notice	A-16
Appendix B. System Records	B-1
Appendix C. 7587 Industrial Computer Physical Dimensions	C-1
Appendix D. Jumpers, Switches, and Pin Assignments	D-1
Hard Disk Drive Jumper Settings	D-2
IBM 7587 Industrial Computer Cable Connectors	D-3
IBM SBC Switch Settings	D-4
Serial Port Pin Assignments	D-5
Appendix E. Interrupt and DMA Assignments	E-1
Interrupt Request Assignments	E-1
DMA Channel Assignments	E-2
Appendix F. S3 Trio64V+ Super VGA Driver Installation	F-1
Default Resolutions	F-1
Operating Systems	F-1
Selecting a Monitor Using the Configuration/Setup Utility Program	F-2
Installing Windows 3.1 Video Drivers	F-2
Alternative Method for Changing Resolutions	F-3
Updating the Windows 3.1 Video Driver	F-3
Installing Windows 95 Video Drivers	F-4
Alternative Method for Changing Resolutions	F-4
Installing Windows NT Video Drivers	F-5
Installing OS/2 and OS/2 Warp Video Drivers	F-5

Installing Video Drivers for CAD Panacea	F-6
Installing Video Drivers for MicroStation PC	F-7

Appendix A. Notices

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service can be used. Subject to IBM's valid intellectual property or other legally protectable rights, any functionally equivalent product, program, or service can be used instead of the IBM product, program, or service. The evaluation and verification of operation in conjunction with other products, except those expressly designated by IBM, are the responsibility of the user.

IBM may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
500 Columbus Avenue
Thornwood NY 10594
U.S.A.

Trademarks and Service Marks

The following terms are trademarks of the IBM Corporation in the United States or other countries, or both:

IBM	Micro Channel
PS/2	Personal System/2
TrackPoint II	

Microsoft, Windows, and the Windows 95 logo are trademarks or registered trademarks of Microsoft Corporation.

Other company, product, and service names may be trademarks or service marks of others.

Required Electronic Emission and Connectivity Notices

Class A Federal Communications Commission Statement

Federal Communications Commission (FCC) Statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Compliance Statement

This Class A digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

United Kingdom

Notice to United Kingdom Users

This apparatus is approved under General Approval number NS/G/1234/J/100003 for indirect connection to public telecommunications systems in the United Kingdom.

European Union (EU) Electromagnetic Compatibility Directive

This product is in conformity with the protection requirements of EU Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to CISPR 22 / European Standard EN 55022. The limits for Class A equipment were derived for commercial and industrial environments to provide reasonable protection against interference with licensed communication equipment.

Attention:

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case, the user may be required to take adequate measures. If the Ethernet port is connected, 100 ohm category 5 shielded twisted-pair Ethernet cable must be used to reduce the potential for causing interference to radio and TV communications and to other electrical or electronic equipment. IBM cannot accept responsibility for any interference caused by other-than-recommended cables and connectors.

Germany

Zulassungsbescheinigung laut Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) vom 30. August 1995

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Der Aussteller der Konformitätserklärung ist die:

International Business Machines
Industrial Computers
P.O. Box 1328
Boca Raton FL 33429-1328
U.S.A.

Informationen in Hinsicht EMVG Paragraph 3, Abs. 2:

Das Gerät erfüllt die Schutzanforderungen nach EN 50082-1 und EN 55022 Klasse A.

EN 55022 Klasse A Geräte bedürfen folgender Hinweise:

Nach dem EMVG:

"Geräte dürfen an Orten, für die sie nicht ausreichend entstört sind, nur mit besonderer Genehmigung des Bundesministeriums für Post und Telekommunikation oder des Bundesamtes für Post und Telekommunikation betrieben werden. Die Genehmigung wird erteilt, wenn keine elektromagnetischen Störungen zu erwarten sind." (Auszug aus dem EMVG, Paragraph 3, Abs. 4)

Dieses Genehmigungsverfahren ist nach Paragraph 9 EMVG in Verbindung mit der entsprechenden Kostenverordnung (Amtsblatt 14/93) kostenpflichtig.

Nach der EN 55022:

"Dies ist eine Einrichtung der Klasse A. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen und dafür aufzukommen."

Anmerkung:

Um die Einhaltung des EMVG sicherzustellen, sind die Geräte wie in den Handbüchern angegeben zu installieren und zu betreiben.

Japan

Japanese Voluntary Control Council for Interference (VCCI) Statement

This equipment is in the 1st Class category (information equipment to be used in commercial and/or industrial areas) and conforms to the standards set by the Voluntary Control Council for Interference by Information Technology Equipment aimed at preventing radio interference in commercial and industrial areas.

Consequently, when used in a residential area or in an adjacent area thereto, radio interference may be caused to radios and TV receivers, and so forth.

Read the instructions for correct handling.

Korea

Korean Communications Statement

Please note that this device has been approved for business purpose with regard to electromagnetic interference. If you find this is not suitable for your use, you may exchange it for a non-business one.

Safety Notices (Multi-Lingual Translations)

The following safety notices are provided in English, French, German, Italian, and Spanish languages.

Safety Notice 1

Before removing any FRU, power-off the system unit, unplug all power cords from electrical outlets, remove the battery pack, then disconnect any interconnecting cables.

Avant de retirer une unité remplaçable en clientèle, mettez le système hors tension, débranchez tous les cordons d'alimentation des socles de prise de courant, retirez la batterie et déconnectez tous les cordons d'interface.

Die Stromzufuhr muß abgeschaltet, alle Stromkabel aus der Steckdose gezogen, der Akku entfernt und alle Verbindungskabel abgenommen sein, bevor eine FRU entfernt wird.

Prima di rimuovere qualsiasi FRU, spegnere il sistema, scollegare dalle prese elettriche tutti i cavi di alimentazione, rimuovere la batteria e poi scollegare i cavi di interconnessione.

Antes de quitar una FRU, apague el sistema, desenchufe todos los cables de las tomas de corriente eléctrica, quite la batería y, a continuación, desconecte cualquier cable de conexión entre dispositivos.

Safety Notice 2

Some standby batteries contain a small amount of nickel and cadmium. Do not disassemble it, recharge it, throw it into fire or water, or short-circuit it. Dispose of the battery as required by local ordinances or regulations. Use only the battery in the appropriate parts listing. Use of an incorrect battery can result in ignition or explosion of the battery.

Certaines batteries de secours contiennent du nickel et du cadmium. Ne les démontez pas, ne les rechargez pas, ne les exposez ni au feu ni à l'eau. Ne les mettez pas en court-circuit. Pour les mettre au rebut, conformez-vous à la réglementation en vigueur. Lorsque vous remplacez la pile de sauvegarde ou celle de l'horloge temps réel, veillez à n'utiliser que les modèles cités dans la liste de pièces détachées adéquate. Une batterie ou une pile inappropriée risque de prendre feu ou d'exploser.

Die Bereitschaftsbatterie, die sich unter dem Diskettenlaufwerk befindet, kann geringe Mengen Nickel und Cadmium enthalten. Sie darf nur durch die Verkaufsstelle oder den IBM Kundendienst ausgetauscht werden. Sie darf nicht zerlegt, wiederaufgeladen, kurzgeschlossen, oder Feuer oder Wasser ausgesetzt werden. Die Batterie kann schwere Verbrennungen oder Verätzungen verursachen. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Beim Ersetzen der Bereitschafts- oder Systembatterie nur Batterien des Typs verwenden, der in der Ersatzteilliste aufgeführt ist. Der Einsatz falscher Batterien kann zu Entzündung oder Explosion führen.

Alcune batterie di riserva contengono una piccola quantità di nichel e cadmio. Non smontarle, ricaricarle, gettarle nel fuoco o nell'acqua né cortocircuitarle. Smaltirle secondo la normativa in vigore (DPR 915/82, successive disposizioni e disposizioni locali). Quando si sostituisce la batteria dell'RTC (real time clock) o la batteria di supporto, utilizzare soltanto i tipi inseriti nell'appropriato Catalogo parti. L'impiego di una batteria non adatta potrebbe determinare l'incendio o l'esplosione della batteria stessa.

Algunas baterías de reserva contienen una pequeña cantidad de níquel y cadmio. No las desmonte, ni recargue, ni las eche al fuego o al agua ni las cortocircuite. Deséchelas tal como dispone la normativa local. Utilice sólo baterías que se encuentren en la lista de piezas. La utilización de una batería no apropiada puede provocar la ignición o explosión de la misma.

Safety Notice 3

The battery pack contains small amounts of nickel. Do not disassemble it, throw it into fire or water, or short-circuit it. Dispose of the battery pack as required by local ordinances or regulations. Use only the battery in the appropriate parts listing when replacing the battery pack. Use of an incorrect battery can result in ignition or explosion of the battery.

La batterie contient du nickel. Ne la démontez pas, ne l'exposez ni au feu ni à l'eau. Ne la mettez pas en court-circuit. Pour la mettre au rebut, conformez-vous à la réglementation en vigueur. Lorsque vous remplacez la batterie, veillez à n'utiliser que les modèles cités dans la liste de pièces détachées adéquate. En effet, une batterie inappropriée risque de prendre feu ou d'exploser.

Akkus enthalten geringe Mengen von Nickel. Sie dürfen nicht zerlegt, wiederaufgeladen, kurzgeschlossen, oder Feuer oder Wasser ausgesetzt werden. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Beim Ersetzen der Batterie nur Batterien des Typs verwenden, der in der Ersatzteilliste aufgeführt ist. Der Einsatz falscher Batterien kann zu Entzündung oder Explosion führen.

La batteria contiene piccole quantità di nichel. Non smontarla, gettarla nel fuoco o nell'acqua né cortocircuitarla. Smaltirla secondo la normativa in vigore (DPR 915/82, successive disposizioni e disposizioni locali). Quando si sostituisce la batteria, utilizzare soltanto i tipi inseriti nell'appropriato Catalogo parti. L'impiego di una batteria non adatta potrebbe determinare l'incendio o l'esplosione della batteria stessa.

Las baterías contienen pequeñas cantidades de níquel. No las desmonte, ni recargue, ni las eche al fuego o al agua ni las cortocircuite. Deséchelas tal como dispone la normativa local. Utilice sólo baterías que se encuentren en la lista de piezas al sustituir la batería. La utilización de una batería no apropiada puede provocar la ignición o explosión de la misma.

Safety Notice 4

CAUTION

The lithium battery presents a fire, explosion, or severe burn risk. Do not recharge it, remove its polarized connector, disassemble it, heat it above 100 C (212 F), incinerate it, or expose its cell contents to water. Dispose of the battery as required by local ordinances or regulations. When replacing the battery, use only Part No. 33F8354. Use of another battery could result in ignition or explosion of the battery. Replacement batteries can be ordered from IBM or IBM Authorized Dealers.

ADVARSEL

Litiumbatteriet kan forårsage brand, eksplosion eller alvorlige brandsår. Det må ikke genoplades, åbnes, udsættes for mere end 100 grader C, brændes eller komme i berøring med vand. Desuden må man ikke fjerne forbindelsesstikket fra det. Litiumbatteriet destrueres som foreskrevet af myndighederne. Ved udskiftning af litiumbatteriet anvendes partnummer 33F8354. Brug af andre former for batterier kan medføre, at batteriet brænder eller eksploderer. Nye batterier bestilles gennem IBM eller IBM-forhandleren.

WAARSCHUWING

De lithiumbatterij kan brand- en explosiegevaarlijk zijn. De batterij mag niet worden opgeladen, gedemonteerd, verbrand of boven 100°C worden verhit. Laat de inhoud niet in aanraking komen met water en verwijder de gepolariseerde aansluiting niet. Bescherm het milieu; lever oude batterijen in bij inzamelpunten. Gebruik ter vervanging uitsluitend batterijen met bestelnummer 33F8354. Gebruik van andere batterijen kan leiden tot ontbranding of explosie. Nieuwe batterijen kunnen worden besteld bij IBM of geautoriseerde IBM-dealers.

ATTENTION !

Prenez garde aux risques d'incendie, d'explosion et de brûlures graves liés à l'utilisation d'une pile au lithium. Ne rechargez pas la pile, n'en retirez pas le connecteur et ne la démontez pas. Ne la chauffez pas au-delà de 100°C (212°F) et n'en exposez pas le contenu à l'eau. Détruisez-la conformément à la réglementation en vigueur. Si vous la remplacez, commandez une pile de rechange sous la référence 33F8354 : toute autre pile risquerait de prendre feu ou d'exploser. Les piles de rechange peuvent être obtenues auprès d'IBM ou d'un distributeur agréé IBM.

VAROITUS

Litiumparisto voi syttyä tuleen, räjähtää tai aiheuttaa vakavia palovammoja. Älä koskaan lataa paristoa uudelleen, irrota pariston polarisoitua liitintä, pura paristoa, kuumenna paristoa yli 100°C lämpötilaan, polta paristoa tai päästä vettä pariston sisään. Hävitä paristo paikallisten määräysten mukaisesti. Vaihda pariston tilalle ainoastaan tuote 33F8354. Muun pariston käyttö voi johtaa sen syttymiseen tai räjähtämiseen. Vaihtoparistoja voi tilata IBM:stä tai valtuutetulta IBM-jälleenmyyjältä.

ACHTUNG

Lithiumbatterien sind feuergefährlich, explosiv und können schwere Verätzungen verursachen. Bei Außerbetriebsetzen (Verschrotten) des Gerätes örtliche Entsorgungsrichtlinien für Sondermüll beachten. Die Batterie darf nicht mit Wasser in Berührung gebracht, über 100 Grad erhitzt, wieder aufgeladen, repariert oder zerlegt werden. Eine verbrauchte Batterie nur durch eine Batterie mit der Teilenummer 33F8354 ersetzen. Andere Batterien können sich entzünden oder explodieren. Ersatzbatterien können von IBM oder einem IBM Vertragshändler bezogen werden.

Safety Notice 4 (continued)

ATTENZIONE

La batteria al litio può incendiarsi, esplodere o procurare serie bruciature. Evitare di ricaricarla, toglierle il connettore polarizzato, smontarla, riscaldarla ad una temperatura superiore ai 100 gradi centigradi, incendiarla o gettarla in acqua. Per eliminarla seguire le procedure di sicurezza aziendali e quanto stabilito dal DPR 915 del 10-9-82 e successive disposizioni. Sostituire solo con la parte IBM N. 33F8354. L'uso di una diversa batteria potrebbe provocare incendi o esplosioni. Ordinare le batterie all'IBM o ai rivenditori autorizzati.

ADVARSEL

På grunn av brann- og eksplosjonsfare må ikke litiumsbatterier lades opp, taes fra hverandre, brennes eller utsettes for sterk varme over 100°C. Ikke fjern de polariserte tilkoblingene eller utsett batteriene for vann. Brukte batterier bør kastes så raskt som mulig og i henhold til gjeldende forskrifter. Bruk bare batterier med delnummer 33F8354 når du bytter batteri. Bruk av feil batteri kan føre til at batteriet antennes eller eksploderer. Nye batterier kan bestilles fra autoriserte IBM PC-forhandlere.

CUIDADO

A pilha de lítio representa um risco de incêndio, explosão ou de graves queimaduras. Não a recarregue, remova o conector polarizado, desmonte, aqueça acima de 100°C (212°F), queime ou molhe o conteúdo da célula. Destrua a pilha de acordo com os regulamentos locais. Quando substituir a pilha, utilize apenas a peça com o número de referência 33F8354. A utilização de qualquer outra pilha poderá ocasionar auto-ignição ou explosão da pilha. Podem ser encomendadas pilhas sobresselentes à IBM ou aos seus Concessionários Autorizados.

VARNING:

Litiumbatterier kan explodera eller börja brinna. Ladda inte upp det, ta inte bort dess polariserade anslutningar, upphetta det inte över 100°C, ta inte isär det och utsätt inte batteriets cellinnehåll för vatten. Om du ska byta batteriet ska du byta till ett batteri med beställningsnummer 33F8354. Om du använder något annat batteri kan det antändas eller explodera. Beställ batterier från IBM eller från en av IBM auktoriserad återförsäljare.

PRECAUCION

La batería de litio representa un peligro de incendio, explosión o de graves quemaduras. No la recargue, quite su conector polarizado, desmonte, caliente a más de 100°C (212°F), la incinere o someta su contenido al agua. Deshágase de la batería según los reglamentos u ordenanzas locales. Utilice como recambio sólo el número de pieza No. 33F8354. La utilización de otra batería podría provocar su deflagración o explosión. Las baterías de recambio pueden pedirse a IBM o a Concesionarios Autorizados IBM.

Safety Notice 5

Though main batteries have low voltage, a shorted or grounded battery can produce enough current to burn combustible materials or personnel.

Bien que le voltage des batteries principales soit peu élevé, le court-circuit ou la mise à la masse d'une batterie peut produire suffisamment de courant pour brûler des matériaux combustibles ou causer des brûlures corporelles graves.

Obwohl Hauptbatterien eine niedrige Spannung haben, können sie doch bei Kurzschluß oder Erdung genug Strom abgeben, um brennbare Materialien zu entzünden oder Verletzungen bei Personen hervorzurufen.

Sebbene le batterie di alimentazione siano a basso voltaggio, una batteria in corto circuito o a massa può fornire corrente sufficiente da bruciare materiali combustibili o provocare ustioni ai tecnici di manutenzione.

Aunque las baterías principales tienen un voltaje bajo, una batería cortocircuitada o con contacto a tierra puede producir la corriente suficiente como para quemar material combustible o provocar quemaduras en el personal.

Safety Information

This section contains the safety information that you need to be familiar with before servicing an Industrial Computer.

General Safety

Follow these rules to ensure general safety.

- Observe good housekeeping in the area of the system units during and after maintenance.
 - When lifting any heavy object:
 1. Ensure you can stand safely without slipping.
 2. Distribute the weight of the object equally between your feet.
 3. Use a slow lifting force. Never move suddenly or twist when you attempt to lift.
 4. Lift by standing or by pushing up with your leg muscles; this action removes the strain from the muscles in your back. *Do not attempt to lift any objects that weigh more than 16 kg (35 lb) or objects that you think are too heavy for you.*
 - Do not perform any action that causes hazards to the customer, or that makes the equipment unsafe.
 - Before you start the system unit, ensure that other service representatives and the customer's personnel are not in a hazardous position.
 - Place removed covers and other parts in a safe place, away from all personnel, while you are servicing the system unit.
 - Keep your tool case away from walk areas so that other people will not trip over it.
 - Do not wear loose clothing that can be trapped in the moving parts of a system unit. Ensure that your sleeves are fastened or rolled up above your elbows. If your hair is long, fasten it.
 - Insert the ends of your necktie or scarf inside clothing or fasten it with a nonconductive clip, approximately 8 centimeters (3 inches) from the end.
 - Do not wear jewelry, chains, metal-frame eyeglasses, or metal fasteners for your clothing.
- Remember:** Metal objects are good electrical conductors.
- Wear safety glasses when you are: hammering, drilling, soldering, cutting wire, attaching springs, using solvents, or working in any other conditions that might be hazardous to your eyes.
 - After service, reinstall all safety shields, guards, labels, and ground wires. Replace any safety device that is worn or defective.
 - Reinstall all covers correctly before returning the system unit to the customer.