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COMMODORE BUSINESS MACHINES, INC.

28/3-1.1   A2620/A2630 COPROCESSOR NEW ROM UPGRADE.

A NEW SET OF ROMS FOR BOTH THE A2620 AND A2630 HAVE BEEN
RELEASED AND WILL BE AVAILABLE THROUGH THE PARTS DEPARTMENT
SOON. THE NEW PART NUMBERS ARE 390282-04 AND 390283-04.

THE NEW ROMS CORRECT AUTOCONFIG AND OUT OF MEMORY ERRORS.

[REPEAT OF 27/3-4.1]

28/3-2.1   A590 FAST FILE SYSTEM UPDATE.

THE A590 HARD DRIVE COMES WITH FACTORY INSTALLED SOFTWARE. ON
SOME UNITS THE FAST FILE SYSTEM WHICH WAS INSTALLED NEEDS TO BE
UPDATED FOR CERTAIN THIRD PARTY SOFTWARE TO OPERATE
CORRECTLY.

28/3-2.1   A590 FAST FILE SYSTEM UPDATE.   (CONT)

TO UPDATE THE A590 WITH THE NEW VERSION OF FAST FILE SYSTEM USE THE INSTALL DISK, WHICH IS INCLUDED WITH THE A590, RUN "HD TOOL BOX" BY CLICKING TWICE ON ICON, CLICK BOX MARKED "PARTITION DRIVE", THEN CLICK BOX MARKED "ADVANCED OPTIONS", THEN CLICK ICON MARKED "ADD/UPDATE FILESYSTEM".

THE NEW VERSION OF FAST FILE WILL AUTOMATICALLY BE INSTALLED BY THIS OPERATION.

[REPEAT OF 27/3-5.1] [REVISED AS OF 1-3-90]

28/3-3.1   A2286 UPGRADE ROMS V3.6 AND PAL CHIPS

THE FOLLOWING IC'S ARE AVAILABLE FOR UPGRADING THE A2286.

                    ROM   - U57 - PART NUMBER 380682-03
                    ROM   - U56 - PART NUMBER 380683-03
                    PAL I - U33 - PART NUMBER 380686-05
                    PAL III - U55 - PART NUMBER 380684-02

THESE ROMS FIX THE AUTO-CONFIGUATION ERRORS (LIBRARY NOT FOUND AND AMOUSE SETUP FAILURE) AND PROTECTION MODE SOFTWARE CRASHES (WITH CERTAIN THIRD PARTY PROGRAMS THAT LOCK UP).

THE ROM UPGRADE IS COVERED UNDER WARRANTY AND A STANDARD CARD REPLACEMENT RATE OF $25.00 WILL BE CREDITED TO YOUR ACCOUNT.

ALL FOUR CHIPS MUST BE REPLACED. IN ORDER FOR CREDIT TO BE ISSUED, THE OLD IC'S MUST BE RETURNED TO THE PARTS DEPARTMENT.

THE WARRANTY POLICY NUMBER FOR THIS FIX IS - W2286-1289.

[REPEAT OF 27/3-6.1]

28/3-4.1   A2088 UPGRADE ROM.

A NEW ROM REVISION HAS BEEN ISSUED TO UPGRADE THE A2088.

ROM - U28 - PART NUMBER - 380788-06

THIS ROM FIXES AUTO-CONFIGUATION ERRORS CAUSED BY SOME THIRD PARTY SOFTWARE AND HARDWARE.

THIS IS AN IN-LINE CHANGE AND IS NOT COVERED UNDER STANDARD WARRANTY. DEALER BILLING IS $7.70.

[REPEAT OF 27/3-7.1]

28/3-5.1   A2091 MEMORY AUTO-CONFIGURATION LIMITATIONS.

THE A2091 HARD DISK CONTROLLER INCLUDES SOCKETS FOR THE INSTALLATION OF DRAM CHIPS FOR MEMORY EXPANSION. JUMPERS ARE PRESENT ON THE BOARD, AND ARE DESCRIBED IN THE USERS MANUAL WHICH SUPPORT THE PRESENCE OF NONE, 512K, 1M, 2MB OF MEMORY, HOWEVER ONLY THE NONE AND THE 2M-BYTE SETTINGS WORK CORRECTLY IN ALL SYSTEM CONFIGURATIONS.

IF EITHER THE 512K OR 1M SETTING IS USED THE BOARD MAY NOT FUNCTION CORRECTLY, DEPENDING ON WHETHER OTHER BOARDS CONTAINING MEMORY ARE PRESENT AND ARE IN SLOTS THAT ARE CONFIGURED BY THE SYSTEM BEFORE THE SLOT CONTAINING THE A2091. WHEN THIS SITUATION OCCURS THE WRONG "BANK" OF CHIPS ON THE A2091 IS SELECTED AND THE SYSTEM WILL NOT BOOT.

IN MOST CASES THE INITIAL INSTALLATION OF THE A2091 WILL NOT CAUSE ANY IMMEDIATE PROBLEM, BUT CONCERN EXISTS THAT WHEN THE CUSTOMER ADDS ADDITIONAL BOARDS TO THE SYSTEM, THE CONFIRGUATION WILL CHANGE AND THE A2091 BOARD WILL NO LONGER WORK. OBVIOUSLY, THIS WOULD LEAD TO SOME CONFUSION ABOUT WHICH BOARD IS ACTUALLY CAUSING PROBLEMS.

28/3-5.1   A2091 MEMORY AUTO-CONFIGURATION LIMITATIONS.   (CONT)

WE STRONGLY RECOMMEND USING ONLY THE NONE AND 2M-BYTE
SETTINGS, HOWEVER IF THE SMALLER SETTINGS ARE REQUIRED THEN
THE BEST OPTION IS TO PUT THE A2091 BOARD IN THE "FIRST" SLOT. IN
ALL US PRODUCTION (REV4 AND REV6) MOTHERBOARDS, THIS IS THE
SLOT NEAREST THE POWER SUPPLY (NOT INCLUDING THE CO-PROCESSOR
SLOT). ON OLDER MOTHER BOARD REVISIONS, IT IS THE SLOT FARTHEST
AWAY FROM THE POWER SUPPLY.

[REPEAT OF 27/3-8.1]

28/3-6.1   A2620/A2630 IC MEMORY 262,144 ADDRESS X 4 BIT DRAMS.

COMMODORE PARTS DEPARTMENT DOES NOT SUPPLY DRAM IC'S FOR
MEMORY UPGRADES. THE FOLLOWING VENDORS (VENDOR PART NUMBER
INCLUDED) HAVE BEEN QUALIFIED FOR USE IN THE A2620 OR A2630. THESE
ARE "ZIP" TYPE IC'S.

NEC	D424256V-10
TOSHIBA	TC51425AZ-10
MATSUSHITA	MN414256L-10
FUJITSU	MB81C4256-10

PLEASE NOTE: USER MANUALS RECOMMEND CUSTOMERS TAKE THEIR
UNITS TO AN AUTHORIZED SERVICE CENTER TO HAVE
MEMORY UPGRADES DONE.

IMPROPER INSTALLATION WILL VOID CREDIT ISSUED
FOR A RETURNED REPAIRABLE UNIT.

[REPEAT OF 27/3-10.1]

28/3-7.1   A2091 IC MEMORY 262,144 ADDRESS X 4 BIT DRAMS.

COMMODORE PARTS DEPARTMENT DOES NOT SUPPLY DRAM IC'S FOR
MEMORY UPGRADES. THE FOLLOWING VENDORS (VENDOR PART NUMBER
INCLUDED) HAVE BEEN QUALIFIED FOR USE IN THE A2091. THESE ARE
"DIP" TYPE IC'S.

NEC	D424256C-10
TOSHIBA	TC514256P-10
MATSUSHITA	MN414256L-10
TEXAS INSTR.	TMC44C2256-10N

PLEASE NOTE: USER MANUALS RECOMMEND CUSTOMERS TAKE THEIR
UNITS TO AN AUTHORIZED SERVICE CENTER TO HAVE
MEMORY UPGRADES DONE.

IMPROPER INSTALLATION WILL VOID CREDIT ISSUED
FOR A RETURNED REPAIRABLE UNIT.

28/3-8.1   A2091 HDC - POWER CABLE AND DATA CABLE AVAILABILITY.

THE A2091 HARD DISK CONTROLLER, PACKAGED WITHOUT A HARD DRIVE
(THE A2091-40, CONTAINS A 40MB HARD DRIVE), SHOULD CONTAIN A
POWER CABLE (CBM# 312646-01) AND A DATA CABLE (CBM# 312573-01) TO
CONNECT TO THE DRIVE, AS INDICATED ON PAGE 3 OF THE USER MANUAL.

SEVERAL UNITS HAVE BEEN SHIPPED WITHOUT THESE ITEMS. ANY
DEALER/SERVICER WHO HAS RECIEVED A2091'S WITHOUT CABLES
SHOULD CALL THE 800 TECH HOT LINE AND REQUEST THE CABLES BE
SENT OUT (THERE IS NO CHARGE). PLEASE HAVE THE COMMODORE
INVOICE NUMBER TO GIVE TO THE TECHNICIAN WHEN YOU CALL.

28/3-9.1   IMPORTANT NOTICE - AMIGA 1000 KEYBOARDS.

AMIGA 1000 KEYBOARDS PART NUMBER - 327063-01.

EFFECTIVE IMMEDIATELY, A1000 KEYBOARDS WILL NOT BE SHIPPED
UNTIL A DEFECTIVE KEYBOARD IS RETURNED TO COMMODORE ATTN:
SERVICE DEPARTMENT (DO NOT SEND TO PARTS DEPOT).

ALL CURRENT ORDERS HAVE BEEN CANCELED. NEW ORDERS MUST BE
RE-ENTERED. NO ORDER WILL BE HONORED WITHOUT A DEFECTIVE A1000
KEYBOARD HAVING BEEN RETURNED.

28/3-10.1   **A2091 ROM UPGRADE TO REVISION 6.1.**

NEW ROMS ARE AVAILABLE FOR THE A2091 FROM THE PARTS
DEPARTMENT. THESE NEW ROMS ARE USED IN BOTH THE A2091 AND THE
A590.

          PART NUMBERS: 390722-01 IC ROM ODD REV 6.1
                                 390721-01 IC ROM EVEN REV 6.1

THIS PREVENTS ILLEGAL READS AND WRITES TO LOCATION ZERO OF
AMIGA WORKING STORAGE WHICH SOME THIRD PARTY APPLICATION
SOFTWARE ATTEMPTS.

THIS IS CONSIDERED AN IN-LINE CHANGE, AND IS NOT COVERED UNDER
WARRANTY. DEALER COST FOR THE NEW ROMS IS $33.00 EACH.

28/3-11.1   **A590 ROM UPGRADE TO REVISION 6.1.**

NEW ROMS ARE AVAILABLE FOR THE A590 FROM THE PARTS
DEPARTMENT. THESE NEW ROMS ARE USED IN BOTH THE A2091 AND THE
A590.

          PART NUMBERS: 390722-01 IC ROM ODD REV 6.1
                                 390721-01 IC ROM EVEN REV 6.1

28/3-11.1   A590 ROM UPGRADE TO REVISION 6.1.   (CONT)

THIS PREVENTS ILLEGAL READS AND WRITES TO LOCATION ZERO OF AMIGA WORKING STORAGE WHICH SOME THIRD PARTY APPLICATION SOFTWARE ATTEMPTS.

THIS IS CONSIDERED AN IN-LINE CHANGE, AND IS NOT COVERED UNDER WARRANTY. DEALER COST FOR THE NEW ROMS IS $33.00 EACH.

28/3-12.1   KIT A590 HDD EXCHANGE (EPSON HM755 TO WD93028-X-A)

WHEN REPLACING AN EPSON HM755 HARD DRIVE FROM AN A590, YOU MUST ORDER KIT NUMBER 314678-01. THE HARD DRIVE COMES IN THE KIT. THE KIT CONTAINS:

> 314679-01   CABLE ASSY 34P DATA W/BEND
> 314681-01   CABLE ASSY 4P POWER
> 312711-03   DRIVE ASSY HDD 20MB WD93028-X-A

THIS IS NECESSARY BECAUSE PCB ASSEMBLY 312615-01, (WHICH IS USED WITH AN EPSON DRIVE), HAS THE CABLE CONNECTOR ON THE LEFT, AND PCB ASSEMBLY 312615-02, (WHICH IS USED WITH WD DRIVE), HAS THE CABLE CONNECTOR ON THE RIGHT. THE KIT ALLOWS YOU TO REPLACE THE EPSON DRIVE WITH THE WD DRIVE WITHOUT REPLACING THE PCB.

28/3-13.1   A2091 SYSTEM SCHEMATICS, CBM PN# 314674-01 RELEASE.

MAILED WITH TECHTOPICS ISSUE 28, FOR AMIGA AUTHORIZED SERVICE CENTERS ONLY, ARE THE A2091 SYSTEM SCHEMATICS.

28/3-13.2   ENCLOSURE: A2091 SYSTEM SCHEMATICS.

ENCLOSED IN TECHTOPICS ISSUE 28, CBM PN# 314674-01, A2091 SYSTEM SCHEMATICS.

END 28/3.

29/3-14.1   A3000 SECOND DRIVE CONFIGUATION.

WHEN ADDING A SECOND 3 1/2" FLOPPY DRIVE TO AN A3000, THE FIRST
FLOPPY (DF0:) MUST BE MOVED TO THE OPEN SLOT TO THE RIGHT. THE
SECOND FLOPPY (DF1:) MUST BE PUT WHERE DF0: WAS ORIGANALLY.

NOTE: MAKE SURE THAT THE DRIVE SELECT ON THE SECOND DRIVE
      (DF1:) IS CONFIGURED TO D1, ALSO JUMPER 351 MUST BE
      MOVED TO PINS 1 AND 2 TO ENABLE THE DRIVE.

IF YOU NEED FURTHER INFORMATION, PLEASE CONTACT THE 800
TECHNICAL SUPPORT LINE.

29/3-15.1   1950 SYSTEM SCHEMATICS, CBM PN# 314036-01 RELEASE.

MAILED WITH TECHTOPICS ISSUE 29, FOR AMIGA AUTHORIZED SERVICE
CENTERS ONLY, ARE THE 1950 SYSTEM SCHEMATICS.

29/3-15.2   ENCLOSURE: 1950 SYSTEM SCHEMATICS.

ENCLOSED IN TECHTOPICS ISSUE 29, CBM PN# 314036-01, 1950 SYSTEM
SCHEMATICS.

END 29/3