

JANUARY - MARCH 1990**ISSUE 28**

ISSUE 28 - JAN-FEB-MAR 90**SECTION 1****1 INFO**

-
- 28/1-0.0 INDEX - INFO SECTION TECHTOPICS 28.
 - 28/1-1.1 SERVICE TRAINING SCHEDULE, JANUARY - JUNE 1990.
 - 28/1-2.1 SERVICE WARRANTY POLICY NUMBERS AND CONDITIONS.
-

ISSUE 28 - JAN-FEB-MAR 90**SECTION 2****2 PARTS**

-
- 28/2-0.0 INDEX - PARTS SECTION TECHTOPICS ISSUE28.
 - 28/2-1.1 ERRATUS #2 - PARTS PRICE BOOK ISSUED SEPT. 1, 1989.
 - 28/2-2.1 A2091 SPARE PARTS LIST.
-

ISSUE 28 - JAN-FEB-MAR 90**SECTION 3****3 AMIGA**

-
- 28/3-0.0 INDEX - AMIGA SECTION TECHTOPICS ISSUE 28.
 - 28/3-1.1 A2620/A2630 COPROCESSOR NEW ROM UPGRADE.
 - 28/3-2.1 A590 FAST FILE SYSTEM UPDATE.
 - 28/3-3.1 A2286 UPGRADE ROMS V3.6 AND PAL CHIPS
 - 28/3-4.1 A2088 UPGRADE ROM
 - 28/3-5.1 A2091 MEMORY AUTO-CONFIGURATION LIMITATIONS.
 - 28/3-6.1 A2620/A2630 IC MEMORY 262,144 ADDRESS X 4 BIT DRAM.
 - 28/3-7.1 A2091 IC MEMORY 262,144 ADDRESS X 4 BIT DRAM.
 - 28/3-8.1 A2091 HDC - POWER CABLE AND DATA CABLE AVAILABILITY.
 - 28/3-9.1 IMPORTANT NOTICE - AMIGA 1000 KEYBOARDS
 - 28/3-10.1 A2091 ROM UPGRADE TO REVISION 6.1.
 - 28/3-11.1 A590 ROM UPGRADE TO REVISION 6.1.
 - 28/3-12.1 KIT A590 HDD EXCHANGE (EPSON HM755 TO WD93028-X-A).
 - 28/3-13.1 A2091 SYSTEM SCHEMATICS, CBM PN# 314674-01 RELEASE.
 - 28/3-13.2 ENCLOSURE: A2091 SYSTEM SCHEMATICS.
-

ISSUE 28 - JAN-FEB-MAR 90**SECTION 4****4 CBM**

-
- 28/4-0.0 INDEX - CBM SECTION TECHTOPICS ISSUE 28.
 - 28/4-1.1 WARRANTY CLAIMS FOR C64 A-TYPE PCB'S.
 - 28/4-2.1 WARRANTY CLAIMS FOR DISCONTINUED COMMODORE PRODUCTS.
-

ISSUE 28 - JAN-FEB-MAR 90**SECTION 5****5 PC**

-
- 28/5-0.0 INDEX - PC SECTION TECHTOPICS ISSUE 28.
 - 28/5-1.1 915 3.5" FLOPPY DISK DRIVE CONFIGURATION.
 - 28/5-2.1 BIOS ROM REV 4.38 UPGRADE - PC10-III, PC20-III, COLT.
 - 28/5-3.1 COPROCESSOR CIRCUIT MODIFICATION - PC30-III/COLT286.
WARRANTY POLICY NUMBER - WPC30-0590.
 - 28/5-4.1 PC40-III PCB REVISION 8.X - DMA CHANNEL 7 ACKNOWLEDGE
SIGNAL.
-

- 28/1-0.0 INDEX - INFO SECTION TECHTOPICS 28.
 28/1-1.1 SERVICE TRAINING SCHEDULE, JANUARY - JUNE 1990.
 28/1-2.1 SERVICE WARRANTY POLICY NUMBERS AND CONDITIONS.

28/1-1.1 SERVICE TRAINING SCHEDULE, JANUARY - JUNE 1990.

1990 TRAINING SCHEDULE, JANUARY THRU JUNE. PLEASE CONTACT JOHN DIMEO FOR MORE INFORMATION.

MONTH	DATE	TRAINING DAYS	PRODUCTS	STATUS
MAY	2-4	WED-FRI	PC	OPEN
MAY	7-11	MON-FRI	MONITORS	OPEN
MAY	14-18	MON-FRI	AMIGA	OPEN
JUNE	6-8	WED-FRI	CBM	OPEN
JUNE	11-15	MON-FRI	MONITORS	OPEN
JUNE	18-22	MON-FRI	AMIGA	OPEN

[REPEAT OF 27/1-2.1]

28/1-2.1 SERVICE WARRANTY POLICY NUMBERS AND CONDITIONS.

THE INFO SECTION OF TECHTOPICS WILL INCLUDE, AS A STANDARD FEATURE, A LIST OF ACTIVE FIELD FIXES WHICH ARE COVERED UNDER WARRANTY.

THIS FEATURE WILL ALWAYS BE THE FIRST BULLETIN IN THE INFO SECTION, AND WILL BE UPDATED VIA THE SERVICE BULLETIN BOARD, CTOC, WHENEVER A CHANGE IN THE WARRANTY STATUS OF FIELD FIXES IS ISSUED.

A WARRANTY POLICY NUMBER HAS BEEN ASSIGNED TO EACH ACTIVE FIELD FIX COVERED UNDER WARRANTY. EFFECTIVE IMMEDIATELY, ALL CLAIMS BEING SUBMITTED BY AUTHORIZED SERVICE CENTERS MUST INCLUDE THE WARRANTY POLICY NUMBER, AS THE PART NUMBER, ON THE NARDA FORM.

28/1-2.1 SERVICE WARRANTY POLICY NUMBERS AND CONDITIONS. (CONT)

ACTIVE COMMODORE FIELD SERVICE WARRANTY FIXES, AS OF 2/5/90

- 1) 1084S-P MONITOR
WARRANTY POLICY NUMBER - W1084-1288
(INSTRUCTIONS ARE INCLUDED WITH 1084S-P REPAIR KIT, CBM PN# 314891-01).
- 2) A2000 REV6.0 PCB
WARRANTY POLICY NUMBER - W2000-0989
(SEE TECHTOPIC BULLETINS - 27/3-1.1, 27/3-2.1 & 27/3-3.1, IN AMIGA SECTION 3, UNDER A2000 PAST BULLETINS FOR DETAILS).
- 3) A2286 AT BRIDGEBOARD
WARRANTY POLICY NUMBER - W2286-1289
(SEE TECHTOPIC BULLETIN - 28/3-3.1 IN AMIGA SECTION 3, UNDER CURRENT BULLETINS FOR DETAILS).
- 4) PC30-III REV 1.4 PCB/COPROCESSOR -
WARRANTY POLICY NUMBER - WPC30-0590
(SEE TECHTOPIC BULLETIN 28/5-3.1 IN PC SECTION 5, UNDER CURRENT BULLETINS FOR DETAILS).

END 28/1.

2

PARTS

ISSUE 28 - JAN-FEB-MAR 90

SECTION 2 - PARTS

PAGE 1

28/2-0.0 INDEX - PARTS SECTION TECHTOPICS ISSUE28.
 28/2.1.1 ERRATUS #2 - PARTS PRICE BOOK ISSUED SEPT. 1, 1989.
 28/2-2.1 A2091 SPARE PARTS LIST.

28/2-1.1 ERRATUS #2 - PARTS PRICE BOOK ISSUED SEPT. 1, 1989.

PLEASE MAKE TO FOLLOWING ADDITIONS, SUBSTITUTIONS,
 AND CORRECTIONS TO THE RED PARTS PRICE BOOK ISSUED
 SEPT. 1, 1989.

PART NUMBER	DESCRIPTION	PRODUCT	DEALER BILLING	ACTION
1540001-03	PCB ASSY- LONG	1540/1541		NLA
1540048-01	PCB ASSY-ALPS	1541	\$88.00	REMOVE SUB
251868-01	POWER SUPPLY ASSY	1541	SUB TO 1540002-01	
252083-02	DRIVE ASSY-NEWT	128D/1571		USED ON 1571 ALSO
252092-01	DRIVE ASSY-ALPS	1571	SUB TO 314673-01	
310163-01	PCB ASSY	+4		NLA
312711-01	DRIVE ASSY, HARD 20MB - WESTERN DIGITAL		CHANGE DESCRIPTION	
312711-02	DRIVE ASSY, HARD 20MB - WD OR EPSON		CHANGE DESCRIPTION	
314093-01	KEY SINGLE	VIC	NLA	
314673-01	KIT 1571 REPLACEMENT (FROM ALPS DRIVE TO NEWT)		\$148.50	

ISSUE 28 - JAN-FEB-MAR 90

SECTION 2 - PARTS

PAGE 2

28/2-1.1 ERRATUS #2 - PARTS PRICE BOOK ISSUED SEPT. 1, 1989. (CONT)

PART NUMBER	DESCRIPTION	PRODUCT	DEALER BILLING	ACTION
314675-01	KIT A1000 DRIVE REPLACEMENT (327142-01 IS FOR A500, KIT ADDS BRACKET TO ALLOW USE IN A1000)		\$110.00	
315739-02	MANUAL USER 2286/2088		CHANGE TO -03	
317746-01	DISKETT, 1.3 WB	A500/A2000	CHANGE TO -03	
318029-02	IC 8520R4 1MHZ CIA		SUB TO -03 (2MHZ)	
326114-01	CASE, BOTTOM C64		NLA	
327136-01	INSULATION SHEET A1000		NLA	
328191-01	IC 6570-33 A1000		SUB TO -02	
380042-01	KIT, PC10-1 HD MOUNTING		NLA	
380788-06	IC BIOS PC-EMUL		\$7.70	ADD
380787-01	IC FDC 9268		SUB TO 312710-01	
380788-04	IC BIOS PC-EMUL		SUB TO 380788-06	
390306-01	IC 8742 KB CNTRL PC40-III		SUB TO 390341-01	
602070-05	IC RGBI MB7051G3 1902/1080		SUB TO 602073-85	
602073-85	IC MB7112E RGBI 1902/1080		\$8.25	ADD
602191-03	CAP ELECT 2200UF 1403		SUB TO 602190-12	
903508-04	CORD POWER		SUB TO 252164-01	

[REPEAT OF 27/2-3.1]

ISSUE 28 - JAN-FEB-MAR 90

SECTION 2 - PARTS

PAGE 3

28/2-2.1 A2091 SPARE PARTS LIST.

COMMODORE PARTS DEPARTMENT NOW HAVE THE FOLLOWING PARTS IN STOCK.

PART NUMBER	DESCRIPTION	PRODUCT	RETURN CREDIT	DEALER BILLING
314674-01	SYSTEM SCHEMATICS	A2091		\$16.50
363227-02	USER MANUAL (ENG.)	A2091		\$ 4.00
317806-01	DISK ASSY CNTRL PROGS/INSTALL	A2091		\$11.00
313440-01	HARD DRIVE 40MB SCSI (QUANTUM)	A2091	\$100.00	\$575.00
312769-01	PCB ASSY (REV 4)	A2091	\$165.00	\$280.00
390333-03	IC 16L8A RAM CNTRL	A2091		\$ 5.50
390563-02	IC DMAC	A2091		\$78.50
390206-01	IC WD33C93	A2091		\$44.00
390509-01	IC EPROM ODD DRIVER	A2091		\$ 9.90
390508-01	IC EPROM EVEN DRIVER	A2091		\$ 9.90

END 28/2.

3

AMIGA

ISSUE 28 - JAN-FEB-MAR 90

SECTION 3 - AMIGA

PAGE 1

-
- 28/3-0.0 INDEX - AMIGA SECTION TECHTOPICS ISSUE 28.
 - 28/3-1.1 A2620/A2630 COPROCESSOR NEW ROM UPGRADE.
 - 28/3-2.1 A590 FAST FILE SYSTEM UPDATE.
 - 28/3-3.1 A2286 UPGRADE ROMS V3.6 AND PAL CHIPS
 - 28/3-4.1 A2088 UPGRADE ROM
 - 28/3-5.1 A2091 MEMORY AUTO-CONFIGURATION LIMITATIONS.
 - 28/3-6.1 A2620/A2630 IC MEMORY 262,144 ADDRESS X 4 BIT DRAM.
 - 28/3-7.1 A2091 IC MEMORY 262,144 ADDRESS X 4 BIT DRAM.
 - 28/3-8.1 A2091 HDC - POWER CABLE AND DATA CABLE AVAILABILITY.
 - 28/3-9.1 IMPORTANT NOTICE - AMIGA 1000 KEYBOARDS
 - 28/3-10.1 A2091 ROM UPGRADE TO REVISION 6.1.
 - 28/3-11.1 A590 ROM UPGRADE TO REVISION 6.1.
 - 28/3-12.1 KIT A590 HDD EXCHANGE (EPSON HM755 TO WD93028-X-A).
 - 28/3-13.1 A2091 SYSTEM SCHEMATICS, CBM PN# 314674-01 RELEASE.
 - 28/3-13.2 ENCLOSURE: A2091 SYSTEM SCHEMATICS.
-

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-CONFIGURATION 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-CONFIGURATION 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 CONFIGURATION 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.

4

CBM

ISSUE 28 - JAN-FEB-MAR 90

SECTION 4 - CBM

PAGE 1

- 28/4-0.0 INDEX - CBM SECTION TECHTOPICS ISSUE 28.
- 28/4-1.1 WARRANTY CLAIMS FOR C64 A-TYPE PCB'S.
- 28/4-2.1 WARRANTY CLAIMS FOR DISCONTINUED COMMODORE PRODUCTS.

28/4-1.1 WARRANTY CLAIMS FOR C64 A-TYPE PCB'S

WHEN RETURNING A C64 A-TYPE PCB, PART NUMBER 250407-04, AS A WARRANTY CLAIM, YOU MUST INCLUDE A COPY OF THE CUSTOMERS BILL OF SALE.

IF IT IS A 90 DAY PARTS WARRANTY, YOU MUST PROVIDE US WITH A COPY OF YOUR PURCHASE INVOICE.

SHOULD THERE BE NO PAPER WORK SENT WITH THE PCB, THE PCB WILL BE RETURNED TO YOU AND NO CREDIT ISSUED.

[REPEAT OF 27/4-3.1]

28/4-2.1 WARRANTY CLAIMS FOR DISCONTINUED COMMODORE PRODUCTS.

EFFECTIVE IMMEDIATELY, ALL WARRANTY CLAIMS FOR DISCONTINUED COMMODORE PRODUCTS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING, WILL REQUIRE A COPY OF THE CUSTOMER BILL OF SALE TO BE RETURNED WITH THE WARRANTY CLAIM PAPERWORK. THE SERIAL NUMBER OF THE UNIT MUST BE INCLUDED ON THE NARDA FORM. CLAIMS WITHOUT THIS INFORMATION WILL BE REJECTED.

ANY QUESTIONS SHOULD BE DIRECTED TO THE TECHNICAL HOTLINE.

+4	1581	2002	1802	MPS802	1526
C16	C128	1701	1902	MPS803	
VIC 20	C128D	1702	1902A	DPS1101	
C64	1070	1702T	1084	1515	
1541	1080	CM141	MPS1000	1520	
1571	1080A	C1802	MPS801	1525	

END 28/4.

-
- 28/5-0.0 INDEX - PC SECTION TECHTOPICS ISSUE 28.
28/5-1.1 915 3.5" FLOPPY DISK DRIVE CONFIGURATION.
28/5-2.1 BIOS ROM REV 4.38 UPGRADE - PC10-III, PC20-III, COLT.
28/5-3.1 COPPROCESSOR CIRCUIT MODIFICATION - PC30-III/COLT286.
WARRANTY POLICY NUMBER - WPC30-0590.
28/5-4.1 PC40-III PCB REVISION 8.X - DMA CHANNEL 7 ACKNOWLEDGE SIGNAL.
-

28/5-1.1 915 3.5" FLOPPY DISK DRIVE CONFIGURATION.

THE 915 3.5" FLOPPY DISK DRIVE FOR THE PC'S ARE SHIPPED CONFIGURED FOR USE AS A 1.44 MB DRIVE, USED ON OUR PC40-III AND COLT 286. THIS DRIVE CAN ALSO BE USED AS A 720K DRIVE ON XT (PC10-III & PC20-III).

TO DO SO YOU MUST SOLDER A JUMPER AT J4, ON THE INTERFACE PCB, WHICH WILL ACTIVATE "MOTOR ON" WITH THE "DRIVE SELECT" SIGNAL. ALL OTHER INSTALLATION PROCEDURES REMAIN THE SAME. TO USE THE DRIVE AS A 720K DEVICE, YOU MUST ALSO ADD THE DRIVEPARM COMMAND TO YOUR CONFIG.SYS FILE, FOUND IN YOUR MSDOS USERS GUIDE.

28/5-2.1 BIOS ROM REV 4.38 UPGRADE - PC10-III, PC20-III, COLT.

A NEW BIOS ROM, REVISION 4.38, CBM PART NUMBER - 318085-05, HAS BEEN RELEASED FOR THE PC10-III, PC20-III, COLT, AND THE SELECT EDITION.

THIS IS CONSIDERED A RUNNING CHANGE, AND IS NOT COVERED BY WARRANTY. CUSTOMERS MUST PAY FOR THIS UPGRADE. DEALER BILLING IS \$33.00.

THE NEW ROM REV 4.38, ADDS A NEW SETUP FEATURE WHICH EMULATES THE "AT" SETUP UTILITY. TO RUN THE "AT" SETUP UTILITY, PRESS <CNTRL-ALT-ESC>. THE SCREEN RESEMBLES THE PC40-III SETUP.

28/5-2.1 BIOS ROM REV 4.38 UPGRADE - PC10-III, PC20-III, COLT. (CONT)

DEFAULT CONFIGURATION IS:

ON BOARD LPT AT 3BC H
ON BOARD COM AT 3F8 H
ON BOARD MOUSE ENABLE, USING IRQ2
4.77 SYSTEM SPEED

BIOS REVISION 4.38 SUPPORTS THE 5720 IO/MOUSE CONTROLLER, AND REAL TIME CLOCK ACCESS - LIKE "AT" SYSTEMS, CLOCK IS SET DURING SETUP, THE SETCLOCK UTILITY DOES NOT NEED TO BE RUN.

28/5-3.1 COPROCESSOR CIRCUIT MODIFICATION - PC30-III/COLT286.

WARRANTY POLICY NUMBER - WPC30-0590.

INSTALLING A MATH COPROCESSOR (80287) IN THE PC30-III, OR COLT286, REVISION 1.4 (PCB ASSY# 313236-02) PCB WILL REQUIRE THE FOLLOWING MODIFICATIONS. NO REVISION IS NECESSARY WITH REVISION 8.1 (PCB ASSY# 313235-01).

- 1) SOLDER A #28 AWG WIRE FROM PIN 34 OF U302 (80287) TO PIN 49 OF U801 (FE3000).
- 2) ON SCHEMATIC #313236 REV 1.4, (PAGE 5-23 IN COLT286, OR PC30-III SERVICE MANUAL) INDICATE AN ACTIVE LOW ON SIGNAL NNPCS' (80287 - CHIP SELECT).
- 3) PC30-III, COLT286, PCB ASSEMBLY #313235-01, REVISION 1.4 BECOMES REVISION 1.5 WITH THIS MODIFICATION.

A NEW WARRANTY POLICY NUMBER - WPC30-0590, HAS BEEN ASSIGNED TO THIS FIELD FIX. THIS NUMBER MUST APPEAR IN THE "PART NUMBER" FIELD OF THE NARDA FORM. PROOF OF PURCHASE OF A 80287 MATH COPROCESSOR MUST BE SUBMITTED WITH THE NARDA FORM TO VALIDATE THE WARRANTY. A WARRANTY LABOR RATE OF \$30.00 WILL BE ISSUED FOR THIS FIX.

ISSUE 28 - JAN-FEB-MAR 90

SECTION 5 - PC

PAGE 3

28/5-4.1 PC40-III PCB REVISION 8.X - DMA CHANNEL 7 ACKNOWLEDGE SIGNAL.

EXPANSION HARDWARE WHICH UTILIZES DMA CHANNEL 7 (DRQ7, NDACK7' ON PC40) REQUIRE A MODIFICATION TO THE PC40-III REVISION 8.X PCB.

CONNECT JUMPER, ON TRACE SIDE OF PCB, FROM U803 PIN #7 (74F138, SEE PAGE 5-26, PC40-III SERVICE MANUAL) TO CN502 PIN #32 (EXPANSION BUS, SEE PAGE 5-22, PC40-III SERVICE MANUAL). THIS MODIFICATION MAKES THE PCB REVISION 8.2C.

THIS IS CONSIDERED PART OF THIRD PARTY EXPANSION CARD INSTALLATION AND IS NOT COVERED UNDER WARRANTY.

END 28/5.