

Sheet1

MAKE,C,20	MODEL,C,10	SYMPTEM,C,20	CAUSE,C,30
PACKARD BELL	PB300	K.B. DATA LINE ERROR	2 AMP MICROLINE FUSE BLOWN
PACKARD BELL	PB300	NO VIDEO/WON'T BOOT	PRIMARY/VIDEO IC OUT/TIMER CIR
LASER	286/12	WON'T READ HARD DRVIUNIT WITH ST-250R DRIVE	
MAGNAVOX	500/500CD	WON'T BOOT HDD OR A:	CMOS ERROR
SEAGATE	ST-250R	STOPS SPINNING	
SEAGATE	ST-157A	STOPS SPINNING	
ALL IDE HARD DRIVES	ALL	DON'T WORK AFTER LLFDRIVE ERROR MAP GONE	
ALL IDE HARD DRIVES	ALL CONT..	DONT WORK AFTER LLF CONT...	
LEADING TECH	5500/6500	WONT BOOT, BEEPS	CONFLICT WITH MATH COPROCESSC
PACKARD BELL	386SX	WONT HOLD CMOS	SRAM (DALLAS IC) DEFECTIVE
EPSON	200/40 AT	ERROR 162,163 CMOS	6 VOLTS DC BATTERY DEAD
MAGNAVOX	MGP160	WON'T DO ANYTHING	PROCESSOR MODULE BAD
IBM	PS/1	WON'T ACCESS C:	TRIED TO UPGRADE DOS TO 5.0
LEADING TECH	12/286MX	HARD DRIVE CTRL FAIL	HDD CTRL DEFECTIVE
MOST VCR'S	ALL	TRACKING OFF NO ADJ	TAPE GUIDE POSTS LOOSE
MOST VCR'S	ALL	TAPE STUCK WONT EJC	TOO MANY TO LIST
COMPUTERS	ALL	NO POWER NOTHING	POSSIBLE POWER SUPPLY
COMPUTERS	ALL	WONT FORMAT FLOPPY!	POSSIBLE JOSHI VIRUS
PRINTERS	MOST	HEAD CRASHES RIGHT	HOME SENSOR STUCK

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REPAIR,C,70

THE MOUSE AND THE KEYBOARD SHARE THE SAME FUSE THAT IS SOLDERED ON THE NO COMPONANT AVAIL AT THIS TIME M.B. R&R ONLY TO REPAIR
ST-250R WOULD STOP SPINNING, CUSTOMER WOULD LOOK IN CMOS AND SEE TYPE
PRESS CTRL+ALT+INS KEYS WHEN IN CMOS PRESS THE F3 KEY TO SAVE
IF CUSTOMER HAS DATA ON DRIVE INFORM THEM THAT IF THEY REMOVE THE
USE A SMALL SCREW DRIVER AT THE CONNECTION END OF DRIVE TO MOVE THE
MOST IDE DRIVES CAN BE LOW LEVEL FORMATED BUT, THE DRIVE ERROR MAP MAY
CONTINUED BE SURE YOU KNOW WHAT YOU ARE DOING BEFORE LOW LEVEL FORMAT
BIOS PROBLEM WITH MATH CO. GIVES INTR FLOPPY ERRORS, SOMETIMES WILL
THE 386SX COMPUTER (NOTE ACTUAL MODEL NUMBER OF COMPUTER) USES A
THE CMOS IN THIS COMPUTER IS POWERED BY A 6 VOLT BATTERY LOCATED NEXT
THIS COMPUTER MAIN BOARD IS A ISA TYPE, AND THEY USE THE SAME BOARD
THIS COMPUTER HAS A BOOT ROM SET AT DOS 4 (IBM) YOU CAN CHANGE BOOT
THEY CHANGED INSIDES ON THIS MODEL 3 TIMES, THE EARLY VERSION HAS A 8
ALL VCR'S HAVE TAPE GUIDE POSTS THAT MOVE THE TAPE FROM THE CASSETTE
IF YOUR TAPE IS STUCK IN YOUR MACHINE,REMOVE THE TOP COVER AND LOOK
TURN UNIT ON, LISTEN FOR OR FEEL IF YOUR P.S. FAN IS WORKING, IF IT IS
IF YOU TRY TO FORMAT ANY FLOPPY DRIVE AND YOUR FORMAT STATS SAY
CHECK YOUR HOME SENSOR, IF ITS A LEVER TYPE IT SHOULD BE LOCATED AT

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REPAIR1,C,70

MOTHER BOARD, IF THE MOUSE OR KEYBOARD HAS A SHORT IT WILL BLOW THE BUS TYPE VIDEO CARD (VGA) WON'T WORK EITHER. FW R&R M.B. CASH 1 FOR DRIVE TYPE (WHICH IS A 10MEG DRIVE) CUST WOULD CHANGE TYPE TO 46 DON'T CHANGE ANYTHING---CMOS BUG IF CUST ADDS OR REMOVES ANYTHING DRIVE AND USE A SMALL SCREW DRIVER AT THE CONNECTION END OF THE DRIVE MOTOR HOUSING RING THATS CONNECTED TO THE PLATTER ASSEMBLY, JUST MO NOT BE AVAILABLE FOR THE CUSTOMER TO REENTER, MOST IDE DRIVES ARE LLF ING A DRIVE, AS YOU CAN RUIN THAT DRIVE--SOME IDE DRIVES HAVE NOT BOOT UP, JUST STAYS AT VIDEO BIOS VERSION DISPLAY SCREEN, CAN'T DALLAS 50 BYTE SRAM IC BATTERY POWER IS NOT NEEDED WITH A SRAM TYPE TO THE POWER SUPPLY ON THE MOTHER BOARD, YOU CAN SUB WITH ANY 6-7VDC FOR THEIR 286 AND 386SX COMPUTERS THEY JUST HAVE TWO DIFFERENT PARAMETERS IN CMOS TO BOOT ROM, C:DRIVE, OR A:DRIVE CALL MANUFACTUREF BIT HDD INTERFACE(XT) WITH A WD93044X(XT)IDE DRIVE AND THEY HAVE A 16 TO THE SERVO WHERE YOUR VIDEO HEADS ARE LOCATED, THESE LOOSEN UP AFT FOR THE CASSETTE LOADING MOTOR IF YOU CAN FIND IT MANUALLY MOVE THE CHECK TO MAKE SURE THAT THE 115/230 VOLT SLIDE SWITCH IS IN THE 115VAC FORMATING 360K, EVEN THOUGH YOU HAVE A HIGH DENSITY DISK IN THE DRIVE THE FRONT OF THE CARRAGE CAVITY ON THE LEFT SIDE, TRY MOVING IT WITH

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REPAIR2,C,70

FUSE, FW R&R M.B. IF CASH R&R FUSE COST 2.00 FUSE 60-80 LAB

GIVE CUST ESTIMATE AT CURRANT M.B. PRICE

DRIVE STILL WOULD'NT WORK USE DEBUG G=C800:5 CHOOSE NON STANDARD DRIV

CMOS FREAKS OUT--TAKES 5 SECONDS TO FIX NEW M.B. SAME PROBLEM

THEY CAN MOVE THE DRIVE MOTOR HOUSING RING, REINSTALL AND DRIVE WORKS

THE RING A LITTLE BIT--REINSTALL DRIVE AND CUST CAN BACKUP HIS DATA

AT THE FACTORY, AND THE FACTORY DOES NOT RECOMEND LLF IDE DRIVES

PRPRIATORY SOFTWARE TO LLF IT. SO BE CAREFULL

SET MEMORY DIP SWITCHS CORRECTLY,ONLY FIX (REMOVE MATH COPROCESSOR)

CMOS, THIS CHIP IS DEFECTIVE AND WILL NEED TO BE REPLACED

PC BATTERY, USE THE REFERENCE DISKETTE TO RESET CMOS

PROCESSOR MODULES, CHECK YOUR PROCESSOR MODULE FIRST. ITS CHEEPER

OR RETAILER BEFORE CHANGING DOS VERSION, IT WILL SAVE SOME DOWNTIME

BIT IDE/FLOPPY INTERFACE/CTRL ALSO,USE AT IDE HDD AND 86 THE 8BIT CARD

A PERIOD OF TIME, A SCOPE IS NEEDED TO CORRECTLY ADJUST THE HEIGHT

THE DRIVE TO EJECT THE TAPE, DO NOT FORCE TAPE OUT, TAKE VCR TO SERVIC

POSSITION, IF YES CHECK THAT +5/-5 +12/-12VDC SHOWS AT P.S./M.B. CONCT

ITS POSSIBLE THAT YOU HAVE JOSHI OR RELATED VIRUS, USE VIRUS CK TO RPR

YOUR FINGER IN OR OUT TO UNSTICK IT. (WITH POWER OFF) IF NOT,SERVICE