

ENTRY MAP

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IF THE STOP CODE IN STORAGE LOCATION 0000 WAS 6420 OR 6421 RECORD THE CONTENTS OF THE FOLLOWING STORAGE LOCATIONS UP TO ADDRESS 0010. ENSURE THE DISKETTE IS NOT DAMAGED, AND THE PROBLEM OCCURS ON MORE THAN ONE DISKETTE. CHECK FOR PROBLEM USING ANOTHER DIAGNOSTIC DISKETTE.

FAILING DISKETTE.

IF IT IS DIFFICULT TO REMOVE OR INSERT A DISKETTE IN THE DRIVE, CHECK THE HEAD LOAD BAIL RETURN SPRING AND THE HEAD BACKSTOP SCREW. SEE MAINTENANCE INFORMATION MANUAL PARAGRAPH A3.10.2.

AFTER ANY ADJUSTMENT OR PART REPLACEMENT, THE DISKETTE UNIT MUST BE TESTED. IF THE PROBLEM HAS NOT BEEN CORRECTED, START THE DIAGNOSTIC PROCEDURE AGAIN. BEFORE STARTING THE FOLLOWING STEPS, REMOVE POWER FROM THE DISKETTE UNIT DEVICE AND CHECK FOR THE FOLLOWING PROBLEMS:  
(SEE MAINTENANCE INFORMATION MANUAL PARAGRAPH A2.3, A2.4 AND A2.5)

DIRT IN DISKETTE OR DISKETTE DRIVE  
BELT OFF OR DAMAGED  
RESEAT CARDS (BOTH DRIVE CONTROL AND VFO (VARIABLE FREQUENCY OSCILLATOR) CARDS.)  
RESEAT CABLES  
LOOSE OR DAMAGED CABLE TERMINATION CARD CONNECTOR  
DRIVE MOTOR BINDING OR NOT TURNING  
BROKEN COVER/PIVOT  
LOOSE PULLEY(S)  
DRIVE BAND BROKEN OR DAMAGED

WITH POWER ON, CHECK +5V, -5V AND +24V ON THE DISKETTE UNIT DRIVE CONTROL CARD (THE TOLERANCE IS + OR - 10%). SEE MAINTENANCE LOGIC DIAGRAM VOL. 1 SF140 FOR TEST POINTS. IF VOLTAGES ARE NOT CORRECT GO TO POWER SUPPLY MAP 4880, ENTRY POINT A.

OPEN THE DISKETTE UNIT DOOR AND CHECK THE THREE VOLTAGES AGAIN. THIS TIME WHILE LOOKING AT THE MULTIMETER POWER THE DISKETTE UNIT DEVICE OFF. IT SHOULD TAKE AT LEAST 2 SECONDS FOR THE MULTIMETER TO FALL TO 1V. IF THE MULTIMETER FELL TO 1V IN LESS THAN 2 SECONDS GO TO POWER SUPPLY MAP 4880, ENTRY POINT A. YOU PROBABLY HAVE AN OPEN CAPACITOR.

IF THE POWER ON INDICATOR ON THE DISKETTE UNIT IS OFF BUT IT IS STILL WORKING CORRECTLY GO TO POWER SUPPLY MAP 4880.

IF ANY PROBLEMS ARE FOUND, SEE MAINTENANCE INFORMATION MANUAL INDEX FOR REPAIR PROCEDURE.

THIS IS THE ENTRY POINT FOR ALL ERRORS FOUND AND INDICATING THE DISKETTE UNIT DEVICE. SEE INSTRUCTIONS GIVEN IN THE LAST MAP STEP SPECIFYING WHICH DISKETTE UNIT MAP TO GO TO. BELOW IS A LIST OF THE DISKETTE UNIT MAPS AVAILABLE.

#### 1. DISKETTE UNIT READ ERRORS

(NO DATA RECEIVED OR DATA RECEIVED WITH ERRORS.)  
GO TO MAP 0172, DISKETTE UNIT READ ERROR MAP (PN 1635096).

#### 2. DISKETTE UNIT NOT READY

(WRONG INDEX PULSE SENSED OR WRONG DISKETTE INSERTED IN THE DISKETTE DRIVE.)  
GO TO MAP 0173, ENTRY POINT A, NOT READY MAP (PN 1635097).

#### 3. DISKETTE UNIT SEEK ERROR

(FAILED TO READ DESIRED TRACK ADDRESS BECAUSE OF A SEEK TO WRONG TRACK, OR READ ID ERROR OCCURRED AFTER A SEEK TO CORRECT TRACK.)  
GO TO MAP 0174, DISKETTE UNIT SEEK ERROR MAP.

#### 4. DISKETTE UNIT ERASE UNSAFE

(ERASE CURRENT IS ON WHEN ERASE GATE IS OFF OR ERASE CURRENT IS OFF WHEN ERASE GATE IS ON.)  
GO TO MAP 0175, DISKETTE UNIT ERASE UNSAFE MAP (PN 1635099).