## IDENTIFICATION

PRODUCT CODE: MAINDEC-08-DHTMG-A-D

PRODUCT NAME: THE-E DRIVE FUNCTION TIMER

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MAINTAINER! DIAGNOSTIC GROUP

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#### NOTE

THERE ARE SIX DIAGNOSTIC PROGRAMS ASSOCIATED WITH THE TMB-E DECMAGTAPE CONTROL AND ITS TRANSPORT SYSTEM, ALTHOUGH PHYSICALLY SEPARATE, THESE PROGRAMS MUST BE TREATED AS A LARGE INTEGRATED TEST. AND TO ENSURE PROPER SYSTEM OPERATION, THESE TESTS MUST BE EXECUTED IN THE ORDER DELINEATED BELOW.

IF A GIVEN TEST SHOULD FAIL AND IT APPEARS THAT A FIX HAS BEEN FOUND. ALL PROGRAMS MUST ONCE AGAIN BE RUN. ONLY WHEN ALL TESTS HAVE RUN WITHOUT ANY UNACCEPTABLE ERRORS CAN THE THEME SYSTEM BE CONSIDERED UP.

### TME-E DIAGNOSTIC PROGRAMS' ORDER OF EXECUTION

- 1. TMB-E CONTROL TEST PART 1 (MAINDEC-08-DHTMA)
- 2. TMB-E CONTROL TEST PART 2 (MAINDEC-08-DHTMB)
- 3. THE E DRIVE FUNCTION TIMER (MAINDEC + 08 DHTMC)
- 4. THERE DATA RELIABILITY 9 TRACK (MAINDEC-DE-DHTMD)
- 5. TMB-E DATA RELIABILITY 7 TRACK (MAINDEC-08-DHTME)
- 6. THE-E RANDOM EXERCISER (MAINDEC-08-DHTMF)

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#### 1. ABSTRACT

THE THE DRIVE FUNCTION TIMER ASSISTS IN THE TESTING OF THE THEE CONTROL UNIT AND TULO TAPE UNIT. SELECTED OPERATIONS ARE EXECUTED, TIMED, AND THE TIMES ARE THEN PRINTED (IN MILLISECONDS). THERE IS NO LIMIT OR ERNOR TESTING FACILITIES IN THE PROGRAM, THE DECISION ON THE VALIDITY OF TIMES MEASURED MUST BE MADE BY THE OPERATOR. ANY CONFIGURATION OF UP TO 8 TULO TAPE UNITS (7 AND 9 CHANNEL) MAY BE SELECTED.

- 2. REQUIREMENTS
- 2.1 HAKOWARE

PDP-8/E, 8/M. 8/F TELETYPE OR COMPATIBLE DEVICE (TTY) TMB-E DECMAGTAPE CONTROL TUID MASTER/SLAVE TRANSPORT SYSTEM

2.2 MEMORY

THIS PROGRAM REQUIRES 4K OF MEMORY AND MAY RESIDE IN ANY MEMORY FIELD.

2.3 PRELIMINARY PROGRAMS

ALL PROCESSOR/MEMORY DIAGNOSTICS TMB-E CONTROL TEST PART 1 TMB-E CONTROL TEST PART 2

PROGRAM: LOADING PROCEDURE

LOAD THE PROGRAM INTO ANY DESIRED MEMORY FIELD USING THE STANDARD BINARY LOADER TECHNIQUE.

- 4. PROGRAM STARTING PROCEDURE
  - A. LOAD ADDRESS 0200
  - B. LOAD THE EXTENDED ADDRESS WITH THE PROGRAM FIELD.
  - C. CLEAR SWITCHES
  - D. DEPRESS CLEAR, THEN CONTINUE