

IDENTIFICATION

PRODUCT CODE: MAINDEC-08-DHTMA-A-D
PRODUCT NAME: TMB-E CONTROL TEST PART 1
DATE CREATED: DECEMBER 4, 1972
MAINTAINER: DIAGNOSTIC GROUP
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NOTE

THERE ARE SIX DIAGNOSTIC PROGRAMS ASSOCIATED WITH THE TM8-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 TM8-E SYSTEM BE CONSIDERED UP.

TM8-E DIAGNOSTIC PROGRAMS' ORDER OF EXECUTION

1. TM8-E CONTROL TEST PART 1 (MAINDEC-08-DHTMA)
2. TM8-E CONTROL TEST PART 2 (MAINDEC-08-DHTM8)
3. TM8-E DRIVE FUNCTION TIMER (MAINDEC-08-DHTMC)
4. TM8-E DATA RELIABILITY 9 TRACK (MAINDEC-08-DHTMD)
5. TM8-E DATA RELIABILITY 7 TRACK (MAINDEC-08-DHYME)
6. TM8-E RANDOM EXERCISER (MAINDEC-08-DHTMF)

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1. ABSTRACT

THE TM8-E CONTROL TEST PART 1 IS AN INTEGRATED SERIES OF SUB-TESTS DESIGNED TO AID IN THE CHECKOUT AND MAINTENANCE OF THE TM8-E DECMAGTAPE CONTROL WITHOUT DEPENDENCE ON TRANSPORT SYSTEM USE. VERSATILITY OF USAGE IS AFFORDED THROUGH A MODEST KEYBOARD MONITOR AND SWITCH REGISTER CONTROL OPTIONS.

THIS PROGRAM CONSISTS OF 12 MAJOR TESTS (TEST 01 THROUGH TEST 14) EACH OF WHICH CONSISTS OF A NUMBER OF SUBTESTS DESIGNATED BY THE LETTERS A THROUGH Z.

2. REQUIREMENTS

2.1 HARDWARE

PDP-8/E, 8/M, 8/F
TELETYPE OR COMPATIBLE DEVICE (TTY)
TM8-E DECMAGTAPE CONTROL

2.2 MEMORY

THIS PROGRAM REQUIRES 4K OF MEMORY AND MAY RESIDE IN ANY MEMORY FIELD. ALL OF EXISTING MEMORY IS USED TO TEST THE ABILITY OF THE TM8-E TO ADDRESS CORRECTLY DURING DMA TRANSFERS.

2.3 PRELIMINARY PROGRAMS

ALL PROCESSOR/MEMORY DIAGNOSTICS