

SELF DIAGNOSTIC OVERVIEW

Provides service personnel a convenient service aid by a visual display of error codes generated by the microcomputer and displayed on the digitron.

OPERATIONAL PROCEDURE

With the remote control, press and hold the "MENU" key until the word MENU appears in the display. Then press 4, 3, 2, 1 and then "ENTER". The self diagnostic procedure will sequence through the 8 step procedure. If an error is detected, a code number will flash approximately 5 times and then return to its initial mode of operation.

NOTES

1. Error codes will not be stored. The program must be re-initialized as described in the preceding step.
2. Pin numbers refer to IC501 microcomputer, unless otherwise stated.

DISPLAY	DESCRIPTION	INPUT SIGNAL	CIRCUIT STATUS	SERVICE POINTS
"D1"	•Tape Loading Error	•Mode SW Pos. S1, S2, S3, S4 Pins: 25, 24, 23, 22 •Load Motor Pins: 60 (+) Pins: 59 (-)	•Mode SW Position not changed within 6 seconds after cassette loading attempt.	•Loading motor, mech problems, gears, timing •Mode SW Position
"D2"	•Tape Loading Error	•Mode SW Pos. S1, S2, S3, S4 Pins: 25, 24, 23, 22 •Load Motor Pins: 60	•Mode SW Position not changed within 6 seconds after cassette loading attempt.	•Mode SW Contacts
"D3"	•CST Loading Error	•Mode SW Pos. S1, S2, S3, S4 Pins: 25, 24, 23, 22 •Load Motor Pins: 60	•Mode SW Position not changed within 6 seconds after cassette loading attempt.	•Mode SW Contacts
"D4"	•CST Loading Error	•Mode SW Pos. S1, S2, S3, S4 Pins: 25, 24, 23, 22 •Load Motor Pins: 60	•CST SW must be activated within 3 seconds, otherwise unit shut down will occur.	•CST SW or Connector Contacts
"D5"	•DRUM Motor Error	•Head SW(30Hz) Pulses Pin18	•Drum Motor (Slow Start) •Motor must be up to speed within 3 seconds of operation	•Drum Motor and Control Circuits
"D6"	•Reel Rotational Error	•Supply Take-up Reel Pulses, Pins 79, 80	•CFG Signal present, but take-up pulses are missing. (Capstan motor running)	•Capstan belt •Idler and reel gears damaged •ST/U Sensors
"D7"	•Capstan Motor Error	•Capstan FG Pulses	•No CFG Signal	•Capstan control ckt. •Motor assy. •IC501 Ckt.
"F1"	•Tuner Signal Input	•CVin Pin 56	•Composite Sync not detected, RF or Video Signal loss.	•Loss of C-sync Tuner Line Video Path

VCR should be in PB mode for D5, D6 and D7. Stop mode for F1, cassette loading D3, D4 and tape loading D1 and D2.