Diagnostic Tests

Instruction

Use of Test

1. Hold the slam switch closed, while setting the self-test switch to the **on** position.

The monitor displays the color hue adjustment pattern of 16 rectangles, as follows. Do not attempt any color hue or brightness adjustments unless you are a qualified color TV technician!

Pale Yellow-Green

White

Deep Yellow

Light Green Deep Rose Navy Blue Dark Green Red

Orange

Black

Light Blue Purple Royal Blue Lime Green Red Black

2. Activate any of the coin switches on the coin door.

A convergence pattern appears with a grid of white dots on a black screen. Do not attempt any convergence adjustments unless you are a qualified color TV technician!

3. Set self-test switch to the off position.

Check attract-mode display and readjust brightness if necessary.

NOTICE TO ALL PERSONS RECEIVING THIS DRAWING CONFIDENTIAL: Reproduction forbidden without the specific written permission of Atari, Inc., Sunnyvale, CA. This drawing is only conditionally issued, and neither receipt nor possession thereof confers or transfers any right in, or license to use, the subject matter of the drawing or any design or technical information shown thereon, nor any right to reproduce this drawing or any part thereof. Except for manufacture by vendors of Atari, Inc., and for manufacture under the corporation's written license, no right to reproduce this drawing is granted or the subject matter thereof unless by written agreement with or written permission from the corporation.

Sheet 1, Side B



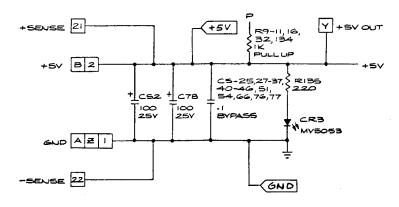
Centipede[™]

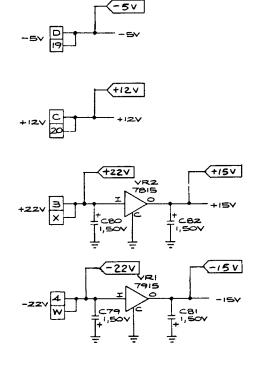
Synchronizer
Signature Analysis Procedure
CAT Box™ Preliminary Set-Up
Power Input
Microprocessor
Address Decoder
RAM
ROM
Memory Map
Section of 037241-01 B

© 1981 Atari, Inc.



Power Input



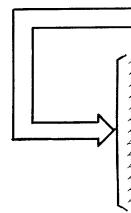


Denotes a test point

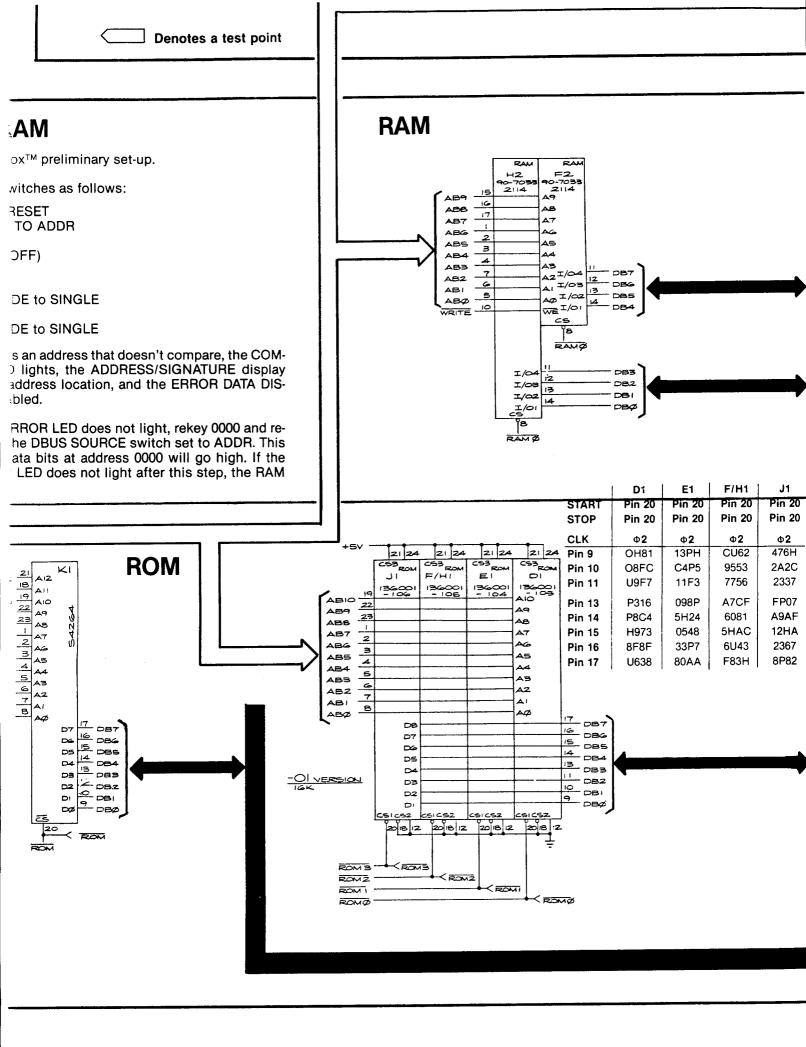
Testing the

- 1. Perform the CA
- 2. Set the CAT Bo
 - a. Press TEST
 - b. DBUS SOUR
 - c. BYTES to 10
 - d. R/W MODE
 - e. R/W to WRI
 - f. Key in 0000

 - g. Toggle R/W h. R/W to REA
 - i. Toggle R/W
- 3. If the CAT Box PARE ERROR shows the faili PLAY switch is
- 4. If the COMPAR peat the test w ensures that the **COMPARE ERF** is good.







from J2, ground J2 pin 1.

Memory Map

J1 Pin 20 Pin 20 Φ2 476H 2A2C 2337 FP07 A9AF 12HA 2367 8P82

MEMORY MAP										
HEXA- DECIMAL ADDRESS	R/W	D7	D6	D 5		ATA D3	D2	D1	D0	FUNCTION
0000-03FF		D	D	D	D	D	D	D	D	RAM
0400-07BF 07C0-07CF 07D0-07DF 07E0-07EF 07F0-07FF		D D D	D D D	D D D D	D D D	D D D D	D D D D	D D D D	00000	Playfield RAM Motion Object Picture Motion Object Vert. Motion Object Horiz. Motion Object Color
0800 0801	R R	D D	D D	D D	D D	D D	D D	D D	D D	Option Switch 1 (0 = On) Option Switch 2 (0 = On)
0C00 0C01	R R R R R R R R R	D	D D	D D	D D	D D	D	D	D	Horizontal Trak Ball TM Inputs VBLANK (1 = VBlank) Self-Test (0 = On) Cocktail Cabinet (1 = Cocktail) R,C,L Coin Switches (0 = On) SLAM (0 = On) Player 2 Fire Switch (0 = On) Player 1 Fire Switch (0 = On) Player 2 Start Switch (0 = On) Player 1 Start Switch (0 = On)
0C02 0C03	R R R	D D	D	D	D	D D	D D	D D	D D	Vertical Trak Ball™ Inputs Player 1 Joystick (R, L, Down, Up) Player 2 Joystick (0 = On)
1000-100F 1404 140C	R/W W W	D	D	D	D	D D D	D D D	D D D	D D	Custom Audio Chip Playfield Color RAM Motion Object Color RAM
1600 1680 1700	W W R	D D	D D	D D	D D	D D D	D D D	D D D	D D D	EA ROM Address & Data Latch EA ROM Control Latch EA ROM Read Data
1800	W						_			IRQ Acknowledge
1C00 1C01 1C02 1C03 1C04 1C07	W W W W	D D D D D D								Left Coin Counter (1 = On) Center Coin Counter (1 = On) Right Coin Counter (1 = On) Player 1 Start LED (0 = On) Player 2 Start LED (0 = On) Trak Ball TM Flip Control (0 = Player 1)
2000 2400	w w									WATCHDOG Clear Trak Ball™ Counters
2000-3FFF	R									Program ROM

