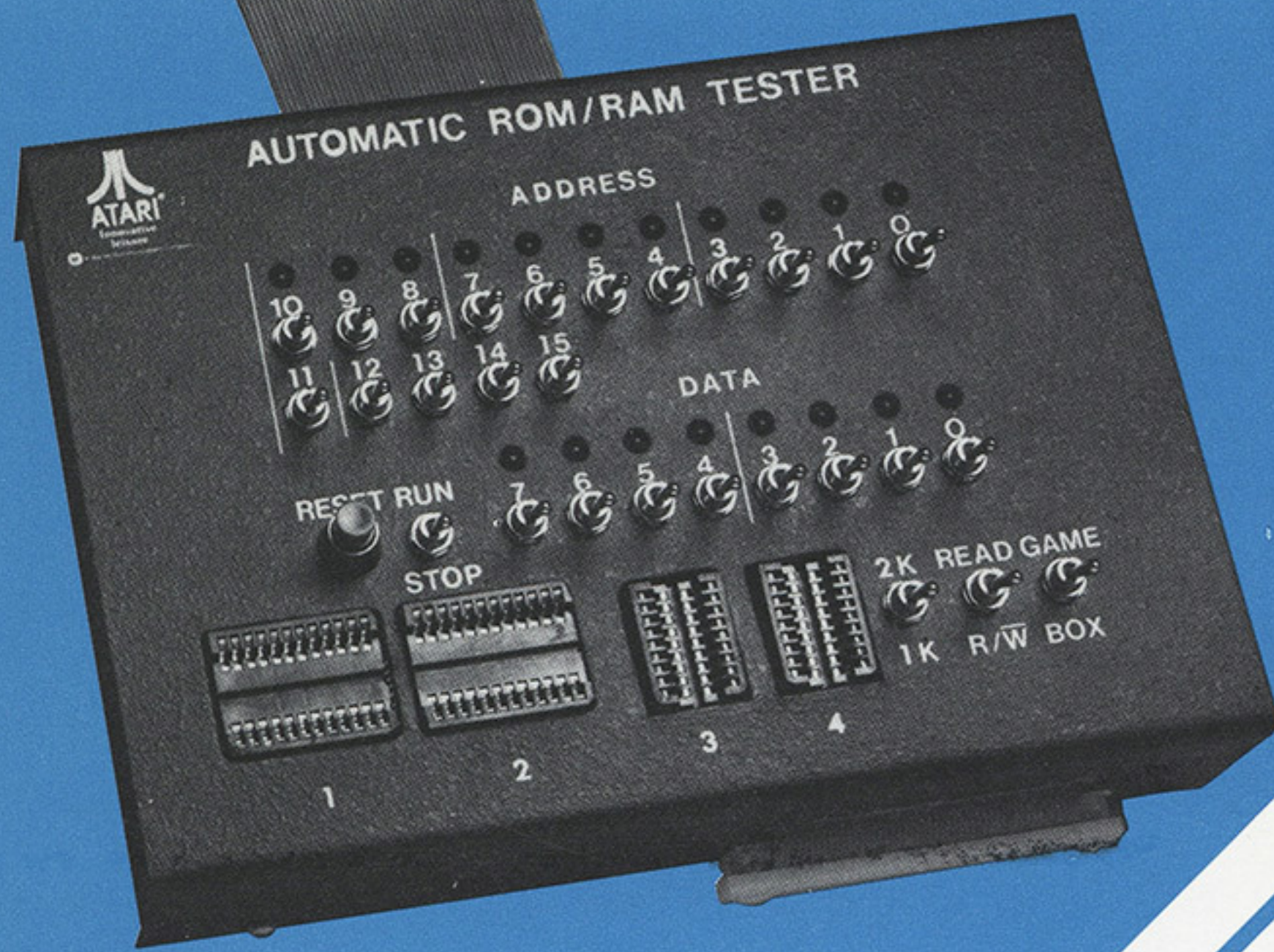


# ATARI TEST FIXTURES

Three Atari test fixtures are available to fulfill service requirements and assure efficient testing of video and pinball games. The CTF-1 Video Test Fixture, the PBS-1 Pinball Simulator, and the portable Automatic ROM/RAM Tester are all designed to meet

the specific needs of the game technician. These units are available through Atari Distributors, or you may contact Atari Customer Service for further information: California (800) 538-1611 or New Jersey (800) 631-5374.



## AUTOMATIC ROM/RAM TESTER

A portable test unit for both video and pinball microprocessor PCB's. Tests all memory components quickly without removing them from the board. Also simulates other functions of the games to check different circuits on the board. The ROM/RAM Tester can be used in the field as well as in the service shop to help identify PCB problem areas.



## CTF-1 VIDEO TEST FIXTURE

Designed for quick troubleshooting on video PC boards. Compact benchtop unit is the ultimate aid for video technicians. Can test Atari video games from Pong® thru advanced microprocessor games of the future.

## PBS-1 PINBALL SIMULATOR SYSTEM

A complete pinball playfield simulator allows for out-of-the-cabinet thorough testing of Atari pinball PCB's. A selector switch cabinet and a display cabinet are included to simulate all functions of the game and help to pinpoint any problem areas.



## CTF-1

The CTF-1 Video Test Fixture is a valuable tool to optimize service capability and insure minimum downtime on the majority of Atari video games. CTF-1 is a self-contained bench-top unit that simulates all game functions out of cabinet.

- Includes a high quality 12" black and white monitor with external power switch and controls to display the video images of the game under test.
- Easily accessible switch controls to simulate game functions.
- An optional 3½ digit Fluke meter Model 8000A may be mounted on the panel. 4-2

amp rocker type circuit breakers are included as a protection to the PCB under test.

- Two Variacs with 0-40 VAC provides necessary AC power for the board being tested.
- All modules are standard 19" rack mounts.
- Uses a standard electrical outlet.
- Dimensions: Height 32", Width 27½", Depth 17"

The CTF-1 is the same test fixture used by Atari technicians to troubleshoot video games. It is a complete simulation system that insures quick troubleshooting and minimum downtime.

## AUTOMATIC ROM/RAM TESTER

A portable test unit designed to automatically check all memory functions as well as enable the technician to quickly test associated game function circuits on video and pinball microprocessor PC board.

Complete with harness and edge connector to easily attach to game PCB's on location or in the service shop.

Automatically tests program memory components without removing them from the board using a comparative check.

Includes 4 sockets for testing different ROM, RAM and PROM memory components and a series of switches and LED indicators for checking associated game circuits by providing manual control of microprocessor data and address lines to the technician.

The operating manual provided with the unit includes memory maps for previous micro-processor games to check other game function circuits. Memory maps for newer games are available in the game service manual or on request.

Tests both 1K and 2K PROMS quickly and efficiently.

Can be used if the built-in self-test system is not operating.

Easy-to-follow instructions and compact size (8¾" x 6¼" x 2") makes the Automatic ROM/RAM Tester easy to take on service calls and convenient to use. This is a valuable time-saving tool for technicians to troubleshoot micro-processor games.

## PBS-1 SIMULATOR

This pinball test system is designed to help technicians analyze and troubleshoot Atari pinball PC boards. It is a bench-top unit that simulates all game functions in order to evaluate where problem areas may occur.

PBS-1 consists of two units: Selector Switch Cabinet includes 46 buttons and two toggle switches to activate the game functions. The Display Cabinet includes a power supply equivalent to that of the pinball cabinet, and a series of indicator LEDs with loads to test all lamp and solenoid drivers and to help identify problem areas.

This unit comes complete with harness and connectors to attach the four pinball PCB's

(Processor, Auxiliary, Score and Match Credit) to the PBS-1.

Cardboard overlays for the two PBS-1 units are provided for each Atari pinball game to define the function of each of the buttons, lights and switches on these units.

A complete step-by-step troubleshooting guide is included. This gives general operating information and an easy-to-follow flow chart to help the technician pinpoint problem areas.

The unit operates using a standard electrical outlet.

Dimensions:

Selector Switch Cabinet, 12" x 10" x 4¼"  
Display Cabinet, 15¼" x 11¼" x 10"

The PBS-1 is a valuable aid to expedite repairs and minimize downtime on Atari pinball games.



© A Warner Communications Company

Atari Inc. 1265 Borregas Avenue, Sunnyvale, CA 94086 (408) 745-2500