



October 21, 1982

## SERVICE BULLETIN

SUBJECT: ELECTROHOME GO7 HVL CIRCUIT

Servicing the monitor with a  $B+\ voltage\ of\ 138.5\ VDC$  or more could be quite time consuming.

- 1. Remove all power from monitor.
- 2. Disconnect the collector of transistor X701.
- 3. Apply power to monitor.
- 4. Check for a raster (lit screen). If no raster is obtained, turn up the brightness control to verify a no raster condition.
- 5. With a raster, measure B+ at the emitter of the power regulator transistor X04.
- 6. B+ normal with a raster, the problem will be in the protection circuit. Check X701 & D701.
- 7. B+ still high with raster indicates the problem is in the power regulator circuit. Check X04, X901, X902, D905 & C905.
- 8. With a no raster condition, the problem will be in the horizontal section. Check from the oscillator to the horizontal output (IC501, X501, T-501, X01 & T-502).
- 9. Remember to reconnect the collector of X701.

Kevin Moeller Service Technician

KM/dd





October 27, 1982

#### SERVICE BULLETIN

GAME:

**TRON** 

SUBJECT: LIMITED BUY-IN FEATURE

- 1. This feature enables the player to continue his game by inserting an additional coin before the timer runs out. He has this option only until he completes the third phase of the game (Basic).
- 2. Option switch #1 setting at B3 controls the Buy-In feature.
- 3. Switch 3 ON, the Buy-In feature is allowed and switch 3 OFF, the Buy-In feature is not allowed.
- 4. Check out electrically.

Andy Ducay Service Manager





October 27, 1982

#### SERVICE BULLETIN

## **UNIVERSAL TESTER**

## --- AUDIO/VIDEO CONNECTOR---

The Audio/Video Connector is located on the Tester's Interface Connector Panel. This is an M.R.A.C. 14 pin configuration. The signals supplied to each of the 14 pins are as follows:

A Horizontal Sync.	J +5 Volts
B Vertical Sync.	K Audio 1
C Red	L Return
D Green	M Audio 2
E Blue	N Return
F Ground	P Audio 3
H V-Audio	R Return

On the other end of this cable you will find 2 connectors, one of which an AMP 9 pin configuration. This connector is to be used for connection to your speaker system. The signals supplied to each of the 9 pins are as follows:

1	Audio 1	6	Return 1
2	+ 5 Volts	7	Ground
3	V-Audio	8	Return 3
4	Return 2	9	Audio 3
5	Audio 2		

Andy Ducay Service Manager





September 15, 1982

# SERVICE BULLETIN

GAMES: TRON & SOLAR FOX

SUBJECT: POWER SUPPLY (A082-90412-C000)

- 1. A 68 ohm 1/2 watt resistor has been added between +5VDC and common.
- 2. This resistor is a dummy load for proper voltage measurement when the logic board is disconnected.
- 3. The dummy load resistor will not effect the logic system if it is missing.

Andy Ducay Service Manager





September 16, 1982

## SERVICE BULLETIN

GAME:

**TRON** 

SUBJECT: OBJECTIONABLE VERTICAL LINE (LOWER RIGHT

SIDE OF VIDEO SCREEN)

# MODIFICATION

- 1. Adjust vertical center, vertical shift controls and move objectionable line to the edge of video screen.
- 2. Check cycle game for correct boundry alignment.

Andy Ducay Service Manager





September 16, 1982

# SERVICE BULLETIN

GAME:

TRON

SUBJECT: SELF-TEST BAD ROM LOCATIONS

- 1. When a bad rom is located in self-test the video screen will indicate location 02, 03, etc.
- 2. Due to computer type letters this  $\boldsymbol{0}$  is really the letter D which locates a bad rom.
- 3. I repeat, what looks like an 0 is the letter D.

**Andy Ducay** Service Manager





October 6, 1982

## SERVICE BULLETIN

## \* ATTENTION \*

## WE HAVE CHANGED OUR NAME!

The Midway Mfg. Co. has a new name. Our new name is now BALLY MIDWAY MFG. CO.

- 1. For Pinball Service, please call the BALLY PINBALL DIVISION at their Toll Free Number (800) 323-3555.
- 2. For Video Game Service, please call BALLY MIDWAY MFG. CO. at our Toll Free Number (800) 323-7182.

Andy Ducay Service Manager





October 6, 1982

# SERVICE BULLETIN

GAME: TRON

SUBJECT: LEG LEVELER CLEARANCE AT LOGIC BOARD

- 1. When leg levelers are inserted without leg leveler nuts the left leveler can damage the logic board.
- 2. Use only 2 inch type leg levelers with leg leveler nuts (Part Number 0017-00102-0048).
- 3. Check visually.

Andy Ducay Service Manager