First Class

10 44

118. L

1.1/3

1111

1111

1111

1111

Continued

Game: Zoo Keeper

Subject: Replacing boards Some confusion is arising when replacing boards because there are two J-15 plugs and three R-15 plugs. Diagram A should help if you have this problem.

Mike Bjonfald LMC Service

Williams Service Bulletin

Subject: Firepower II Rom Rev. 2

With Firepower II Roms 0 and 1, Rev. 1, the background sound, Game Adjustment 35, when turned off (01) causes FIREPOWER stand-up targets to not score 1000 points, although all other features associated with these targets operate normally.

Please note that when background sound is adjusted ON (factory setting [00])the above problem does not occur. Firepower Roms 0 and 1, Rev 2, provide for proper scoring when background sound is turned off.

Games beginning with serial numbers 625863 incorporate this change.

Zoo Keeper Figure A



CABLE

MECHANISM

Æ

Jerry Johnston LMC Phonograph Dept.

not to mute out during transfer.

ground then continues on the center wire of the A/C cord, which plugs into the power supply. The above failure will also cause the amp

AMPLIFIER

POWER

Solution: Auto reject still inoperative after adjusting auto trip screw. Problem may be an open in mechanism chassis ground. Check the amplifier A/C line cord plug where it plugs into the power supply in case of poor connection.

Explanation: The mechanism chassis

ground runs from pin 8 (mechanism con-

nector) to the mute plug on the amp. The

Symptom: Auto reject inoperative (not rejecting when no record is present on turntable).

Rowe Phonographs R84 to R88

15422 prosennim, kiloqpennim Atuo2 euneva nneg 9549



Lieberman Music Company



Game: NFL Football and Tapper (Earlier

games)

Subject: Possible logic board + 5VDC short condition

1. Check for +5VDC short condition caused by the shield plate post (two)

touching the +5VDC trace on the solder side of the Video Generator Board (A084-91464L-000).

2. Add an insulating washer between Post 1 and 2 on solder side of Video Generator Board. (See Figure #1 for locations.)



Game: Jr. Pac-Man Field Kit (Shipped before January 6, 1984) Subject: Loss of coin counter pulse when using static filter board. (A080-91465-D595)

Modification:

1. Add 3 inch jumper on solder side as it

is shown in Figure #1.

2. Disregard numbers on female connector of Static Filter Board.





Game: Spy Hunter (upright - serial number 101 to 635)

Subject: Loss of battery memory (25¢ play reverts to 50¢ play)

Modification:

1. Order from Bally Midway Parts Department, a program update kit which consists of 6 (six) EPROMS.



Cecil Waulk, LMC operations manager

2. Replace program EPROMS on CPU Board (PC A080-91442-000) at locations 6D, 7D, 8D, 9D 10D and 11D.

3. The sound I & O board (PC A082-90913-000) dip switch located at B-3 must be set as follows:

ON

SW. #4 1 coin - 1 credit

OFF 2 coins - 1 credit 4. All EPROMS removed from the Spy Hunter CPU board must be in good condition when returning to Bally Midway for credit. (No broken or bent pins) 5. Check out game electrically.

Game: Spy Hunter, (Sit/Down & Upright) Subject: Accelerator pedal and steering assembly

1. A 1K linear pot is used on both Sit/Down and Upright games (Part No. 105E-0004-0002).

 When a 1K linear pot is not available, the 10K linear pot may be used as a replacement (Part No. 105E-0004-0001).
The accelerator linear pot gear is different between the Sit/Down and Upright games.

Sit/Down Part No. 0307-00708-00XF (Lg.) Upright Part No. 0A27-00701-00XF (Small) 4. Other accelerator pedal assembly parts are also different between Sit/Down and Upright. (Refer to the parts catalog.)

5. The parts catalog shows an encoder in place of a linear pot in the accelerator pedal assembly. (This is *not* to be used.)

Game: NFL Football

Subject: Vertical roll condition when adding display monitor. (Slave monitor on top of game)

Modification:

1. Check for proper wiring on monitor interface cable.

2. Change IPU Board IC's at location 11D, 12C, and 12D from 14016 to 4066. (A080-91695-AA34)

3. If needed, adjust vertical rolling with vertical roll pot.

Continued on back