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IMC

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LMC News Notes

Volume 1, Number 4

September 1982

303-534-6308

Tempest Owners Wells-Gardner Color X-Y Monitor

Increased resistance of R106, the 22-ohm, 2-watt resistor located in the degausing circuit can be directly responsible for continued opening of the 5-amp Slo Blo fuses. We have had an increasing number of sets being serviced wherein this resistor has been the primary culprit — CHECK IT!

Russ Dvergsten, LMC

Rowe Phonographs R82 and R83

We have noticed an increase in the memory and Memorec units coming in for repair because of bookkeeping and loss of selection problems when power is turned off. The trouble is usually attributed to battery failure. The units are almost 5 years old. The memory battery should read 3.6v (Part # 201-17740) The Memorec battery should read 2.4v (Part # 302-07631).

N.B. Please include notes on the Rowe music computers and mechanism control boards when returning for repair.

Nels Nerison, LMC

Rowe Phonographs R84 to R85

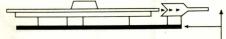
Symptom

Puts records in wrong slots or on floor of juke box.

Solution

- 1. Service switch off and 99 top center.
- 2. Verify that transfer arm is centered between belt guides and over the record when magazine is locked.
- 3. Loosen 3 screws on magazine motor mounting plate, and adjust as necessary to center arm.

- 1. With transfer arm down (play position) and record on turntable, service switch
- 2. Check to see that the V cut on the end of transfer arm is centered with the record. If not, plate and counter assembly is usually bent down.



System USC1 **Service Hint**

The Bandshell is still a popular work horse, but the right-hand light box (Part # 497961) is no longer available. A duplicate can be constructed in about two hours using plastic divider cards (available at office supply stores) and Super Glue. A template is available through the service department upon request.

Nels Nerison, LMC

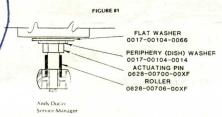
Service Bulletins From Bally

Midway Mfg. Co.

Game: TRON (serial No. 101-1200) Subject: Control Assembly Condition: Loose actuating pin

Modification

- 1. Add a flat washer, a periphery washer and a roller as shown in Figure #1.
- Check out mechanically.



Notes

- 1. Torque actuating pin to 75 in/lbs 10%.
- 2. A light grease (0017-00008-0087) must be put between the actuating pin and

Game: TRON Subject: Buy-in Feature

- 1. The Buy-in Feature allows the player to continue the play sequence in the next game by adding a coin before the alloted time expires (all scores reset).
- 2. The 1 and 0 Sound Board Dip Switch located at B-3 must have switch #3 in the ON position for this feature.
- 3. Check out game electrically.

Game: GALAGA Subject: Loss of Base Ship

- 1. Occasionally, the game may subtract one of the player's Base Ships, even though the player has not lost the bat-
- 2. To prevent this condition, change the 74LS259 at location 3C on the Galaga CPU Board (P.C. A084-91404-E508). Use Texas Instruments components only.



Cecil Waulk, LMC operations manager

Bulletin from Atari Dig Dug

Problem:

Four credits for one coin

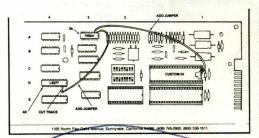
Solution:

Do the following modification (for early PCBs only). There are two ways you can tell apart old and new PCBs:

- 1. Older PCBs are marked as part no. A038156, and newer PCBs are part no.
- 2. Early PCBs have large 40-pin chips located near their centers. Newer PCBs have these chips along one edge, away from the edge connector.

Modification:

- 1. Cut trace between pins 18 & 19 of LS377, located at 4D (see illustration below).
- 2. Jumper pin 1 of 74SO4 at location 3A to the feed-through, as shown below.
- 3. Jumper pin 2 of 74SO4 (at location 3A) to feed-through between pins 1 & 42 of the custom integrated circuit location 1/2C (see illustration below).



URBO

Service Note from Sega/Gremlin

To improve the reliability of the Steering Sensor Board (P.N. 834-0119), a simple modification has been made to the PCB (P.N. 171-0065) as follows:

- 1. Remove R2 and R5.
- 2. Replace R2 and R5 with two 180 ohm 1/4 watt 5% resistors (P.N. 471-0181).
- 3. Cut the PCB clad at that point between the base of the transistors Q1 and Q3, and the "top" of the resistors R2 and R5, as indicated in Fig. 1.
- 4. Add an additional set of resistors (180 ohm 1/4 watt 5%) across the cuts made in the PCB, effectively putting each resistor in series with the base of each transistor. Please correct page 124 of vour Owner's Manual (P.N. 420-0681) to reflect the modification.