



# SERVICE NOTE

**EFFECT:** CARNIVAL  
DIGGER

**NUMBER:** 01

SERVICE NOTE

IT HAS BEEN FOUND THAT, IN SOME AREAS OF THE COUNTRY, A GAME WILL GIVE A FREE CREDIT IF A STATIC CHARGE IS APPLIED TO IT. TO ALLEVIATE THIS PROBLEM, THE FOLLOWING MODIFICATION IS RECOMMENDED;

1. TURN OFF GAME POWER.
2. REMOVE THE PHOTO-COIN ASSEMBLY BOARD, LOCATED INSIDE THE COIN DOOR.
3. LOCATE IC U1, A 555 IC, ON THE PHOTO-COIN BOARD.
4. TURN THE BOARD OVER, AND CUT THE ETCH BETWEEN PINS 2 AND 6 OF U1.
5. CAREFULLY SOLDER A 100K RESISTOR (ENCLOSED) FROM PIN 8 OF U1 TO PIN 2 OF U1.
6. SOLDER A 12" LENGTH OF WIRE (ENCLOSED) FROM PIN 2 OF U1. ATTACH THE OTHER END OF THIS WIRE TO THE TOP OF THE PHOTO-COIN BOARD. THIS WIRE SHOULD FORM A LOOP. THIS WIRE ACTS AS AN R.F. SHIELD AND THE UNSOLDERED END SHOULD BE WRAPPED AROUND WITHOUT BEING HOOKED UP TO ANYTHING.
7. SOLDER A 22 OHM RESISTOR (ENCLOSED) BETWEEN PINS 6 AND 7 OF U1.
8. RE-INSTALL THE PHOTO-COIN BOARD IN ITS EDGE CONNECTOR.

NOW, THE GAME WILL NO LONGER GIVE A FREE CREDIT WHEN A STATIC CHARGE IS APPLIED.

PLEASE CALL GREMLIN/SEGA AT (714) 277-8700, X239, IF YOU HAVE ANY QUESTIONS.

THANK YOU,   
 REPLACE 1 MEG RESISTOR THAT IS JUST TO THE RIGHT OF U1 WITH A 220 KOHM.   
 REMOVE PHOTO COIN BOARD TO CHANGE OVER TO MICRO SWITCH SYSTEM.

CUSTOMER SERVICE

SM/PLP



