

School Bus = CPU board
PC-board.

CHUCK

-E-

CHEESE

BUS

Repair
716-759
0360

OWNERS AND SERVICE MANUAL

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INTRODUCTION

GAME FEATURES

The brand new "CHUCK-E-CHEESE BUS" by I.C.E. was designed with the operator in mind. Reliability, low maintenance, and themed cabinetry are the key design features, exactly what is needed to ensure a combination of long life and high profit.

With nearly the entire construction made of Fiberglass the "CHUCK-E-CHEESE BUS" will last for years to come.

Items such as sounds and video were created especially for the "CHUCK-E-CHEESE BUS" to insure a uniqueness that will certainly be a winner among the kids.

GAME PLAY

As coins are inserted into the "CHUCK-E-CHEESE BUS" ride, the sound of a "BUS" starting is heard. When sufficient coins have been inserted, the ride will begin.

First the bus will begin a rocker motion that will continue non stop until the end of the game and Chuck-E-Cheese will appear on the screen to welcome the rider. Next a virtual street appears on the screen and the bus will drive until two students appear at a bus stop. The video bus will then slow down and stop to pick up the children. The bus will then continue down the street to the next bus stop and pick up 2 new passengers. During the ride the bus will make 3 stops to pick up children. The final stop is at the school.

When the ride has ended the screen will retain a picture of the virtual street, but the rocker motion will cease.

SETUP/TESTING/MAINTENANCE

SAFETY PRECAUTIONS

IMPORTANT: FAILURE TO FOLLOW THESE DIRECTIONS CLOSELY COULD CAUSE SERIOUS DAMAGE TO YOU AND/OR YOUR GAME.

WARNING: WHEN INSTALLING THIS GAME, A 3 PRONG GROUNDED RECEPTACLE MUST BE USED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY TO YOURSELF OR OTHERS. FAILURE TO USE A GROUNDED RECEPTACLE COULD ALSO CAUSE IMPROPER GAME OPERATION AND/OR DAMAGE TO THE ELECTRONICS.

DO NOT DEFEAT OR REMOVE THE GROUNDING PRONG ON THE POWER CORD FOR THE SAME REASONS AS GIVEN ABOVE. USING AN IMPROPERLY GROUNDED GAME COULD VOID YOUR WARRANTY.

GAME SET-UP

BEFORE PLUGGING THE GAME IN, OR TURNING IT ON, BE SURE THE GAME HAS BEEN SET TO THE PROPER VOLTAGE. YOUR GAME SHOULD COME PRE-SET FROM THE FACTORY TO THE CORRECT VOLTAGE, HOWEVER IT IS A GOOD IDEA TO CHECK THE A.C. WALL RECEPTACLE VOLTAGE BEFORE PLUGGING THE GAME IN.

ASSEMBLY INSTRUCTIONS

1. Carefully unwrap the ride.
2. Plug the game into a three prong grounded receptacle. **NOTE:** The appliance must be positioned such that the plug is accessible during use.
3. The ride is now ready for startup.

TESTING

After the initial setup, it is time to test your ride for proper operation.

1. Locate the game in it's permanent location.

2. Be sure the game has been properly plugged into a 3 prong grounded outlet, and that the receptacle is in good working order.
3. If using an extension cord, be sure it is a 3 prong grounded type of at least 16 Ga.
4. Verify that the game is set up for the proper voltage.
5. Insert coins at least ten times into the coin mech to assure proper operation.
6. Check the credit counter, located next to the cash box, for proper operation
7. Check game volume inside the bus during busy time of location to set it at the proper level.

CLEANING

Regular cleaning of the game will keep it looking new, and greatly enhance its appeal.

Clean the cabinet sides with a good cleaner such as "Fantastic" or "409" and a soft rag. A mild soapy solution can also be used.

NOTE: DO NOT USE ALCOHOL, THINNERS OF ANY KIND, OR PINBALL PLAY FIELD CLEANERS ON ANY OF THE CABINET SURFACES, ESPECIALLY THE DECALS.

IF YOU HAVE ANY QUESTIONS OR COMMENTS REGARDING INSTALLATION OR PROPER FUNCTION OF YOUR GAME, PLEASE CALL OUR SERVICE DEPARTMENT AT 1-716-759-0360

QUICK TROUBLESHOOTING/PROGRAMMING

PROBLEM	PROBABLE CAUSE	SOLUTION
NO RIDE POWER	BLOWN A.C. POWER FUSE (15 AMP SLO BLO) GAME NOT PLUGGED IN OR CORD DAMAGED BLOWN CIRCUIT BREAKER	REPLACE WITH PROPER FUSE PLUG IN OR CHECK CORD FOR DAMAGE CHECK/RESET CIRCUIT BREAKER
RIDE WILL NOT TAKE MONEY	BAD COIN SWITCH COINS PER CREDIT SETTING INCORRECT BAD COIN MECHANISM LOOSE OR DAMAGED HARNESSING BAD MAIN P.C. BOARD	CHECK W/METER AND REPLACE CHECK PROGRAMMABLE SETTING ADJUST OR REPLACE CHECK W/METER - REPAIR REPLACE MAIN BOARD
MONITOR DOES NOT COME ON YET RIDE STILL WORKS	FUSE TO MONITOR HAS BLOWN HARNESSING TO MONITOR DISCONNECTED OR DAMAGED MONITOR OR MONITOR PCB IS DAMAGED	REPLACE FUSE CHECK HARNESSING REPLACE MONITOR OR PCB
MONITOR HAS POWER (CRACKLES) BUT NO VIDEO	SWITCH ON POWER SUPPLY IS OFF JAMMA CABLE DISCONNECTED FROM PCB VIDEO HARNESS DISCONNECTED FROM MONITOR BAD HARNESS OR PCB	TURN SWITCH ON PLUG IN CABLE RE-CONNECT VIDEO HARNESS REPAIR HARNESS OR REPLACE PCB
NO ROCKER MOTION AT COIN UP, LIGHTS FLASH, RIDE HAS GOOD VIDEO AND AUDIO	BAD AC RELAY J1 JUMPER ON PCB OUT OF PLACE P10 CONNECTOR DIS LODGED BROKEN OR BAD CRIMP ON RELAY HARNESS BAD PCB	REPLACE RELAY RE-CONNECT J1 JUMPER RE-INSERT P10 CONNECTOR FIX OR REPAIR HARNESS REPLACE PCB
RIDE DOES NOT START BUT ACCEPTS COINS	BROKEN OR DISCONNECTED HARNESS TO COIN SWITCH BAD COIN SWITCH BAD PCB	FIX OR CONNECT HARNESS REPLACE COIN SWITCH REPLACE PCB
NO FLASHING LIGHTS OR FLUORESCENCE	BAD DC RELAY P10 CONNECTOR DISCONNECTED BROKEN OR BAD CRIMP TO RELAY POWER BAD PCB	REPLACE RELAY CONNECT P10 CONNECTOR FIX HARNESS REPLACE PCB
ONE OR TWO LIGHTS NOT WORKING	BAD BULBS BROKEN HARNESS TO LIGHTS	REPLACE BULBS REPAIR HARNESS
NO AUDIO	VOLUME POTS TURNED DOWN HARNESS TO SPEAKER DAMAGED SPEAKER BAD BAD PCB	TURN VOLUME POTS UP FIX HARNESS REPLACE SPEAKER REPLACE PCB
BAD VIDEO	SCREEN MISALIGNMENT BAD MONITOR BAD PCB	RE ALIGN SCREEN USING MONITOR ADJUSTMENT PAD ATTACHED TO MONITOR CHASSIS REPLACE MONITOR REPLACE PCB

NOTE: THE COIN COUNTERS ARE LOCATED NEXT TO THE CASH BOX.

PROGRAMMING: TO CHANGE THE NUMBER OF COINS REQUIRED FOR ONE RIDE, PRESS THE PROGRAM BUTTON UNDER THE HOOD. ADVANCE THROUGH THE AVAILABLE OPTIONS FOR COINS PER RIDE, DISPLAYED ON THE SCREEN, USING THE TEST BUTTON. WHEN THE CORRECT OPTION IS SELECTED, PRESS THE PROGRAM BUTTON TO EXIT.

GAME REPAIR

WARNING: ALWAYS REMOVE POWER FROM THE GAME BEFORE ATTEMPTING ANY SERVICE, UNLESS NEEDED FOR SPECIFIC TESTING. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SERIOUS INJURY TO YOURSELF AND/OR OTHERS.

TROUBLESHOOTING PHILOSOPHY

To find problems with the game, always check the obvious first. See that the game is plugged in, and that all of the fuses are good.

Next, check to see that all of the connectors are firmly seated, and that no wires have been pulled out.

When trying to find out if specific components are bad or not, try swapping them with components from another "CHUCK E CHEESE BUS" ride (if available) to see if the problem moves with the component, or stays where it was. This will help you decide if you have a problem with a specific component, or maybe a problem with either the wiring or the main p.c. board. Use extreme caution when using probes or volt meters if the game is powered up. If checking continuity, it is important to disconnect the harnessing at both ends, as attached they may yield erroneous results.

If a p.c. board is suspected as causing your problems, check to see that all of the I.C. chips are firmly seated on the board.

MAIN P.C. BOARD REPLACEMENT

1. Remove all A.C. power from the game.
2. Remove hood from the ride via 5 bolts.
3. Remove the 4 mounting screws that secure the main board cover in place.
4. Carefully remove all of the connectors from the main p.c. board.
5. Remove the 4 long plastic hexagon nuts that secure the board to the main board housing.
6. Gently pull the p.c. board from the mounting studs.

7. Reassemble in the reverse order using a new main p.c. board.

LENS REPLACEMENT

1. Remove all A.C. power from the game.
2. Using a flat head screw driver carefully pry the retaining clip holding the lens in place.
3. Carefully remove the broken lens and install new lens.
4. Re - install the lens retainer clip.

BULB REPLACEMENT

1. Remove all A.C. power from the game.
2. Locate lens housing of bad bulb.
3. Using a flat head screw driver carefully pry the retaining clip holding the lens in place.
4. Carefully remove the broken lens and install new lens.
5. Replace old bulb with new bulb.
6. Reassemble in reverse order.

MONITOR REPLACEMENT

1. Remove all A.C. power from the game
2. Remove hood from the ride via 5 bolts.
3. Disconnect harness to monitor.
4. Loosen and remove 4 screws holding monitor in place.
5. Remove monitor from under the hood.
6. Re-assemble in reverse order.

CORD REPLACEMENT

IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER OR ITS SERVICE AGENT OR A SIMILARLY QUALIFIED PERSON IN ORDER TO AVOID A HAZARD.

PARTS LISTING

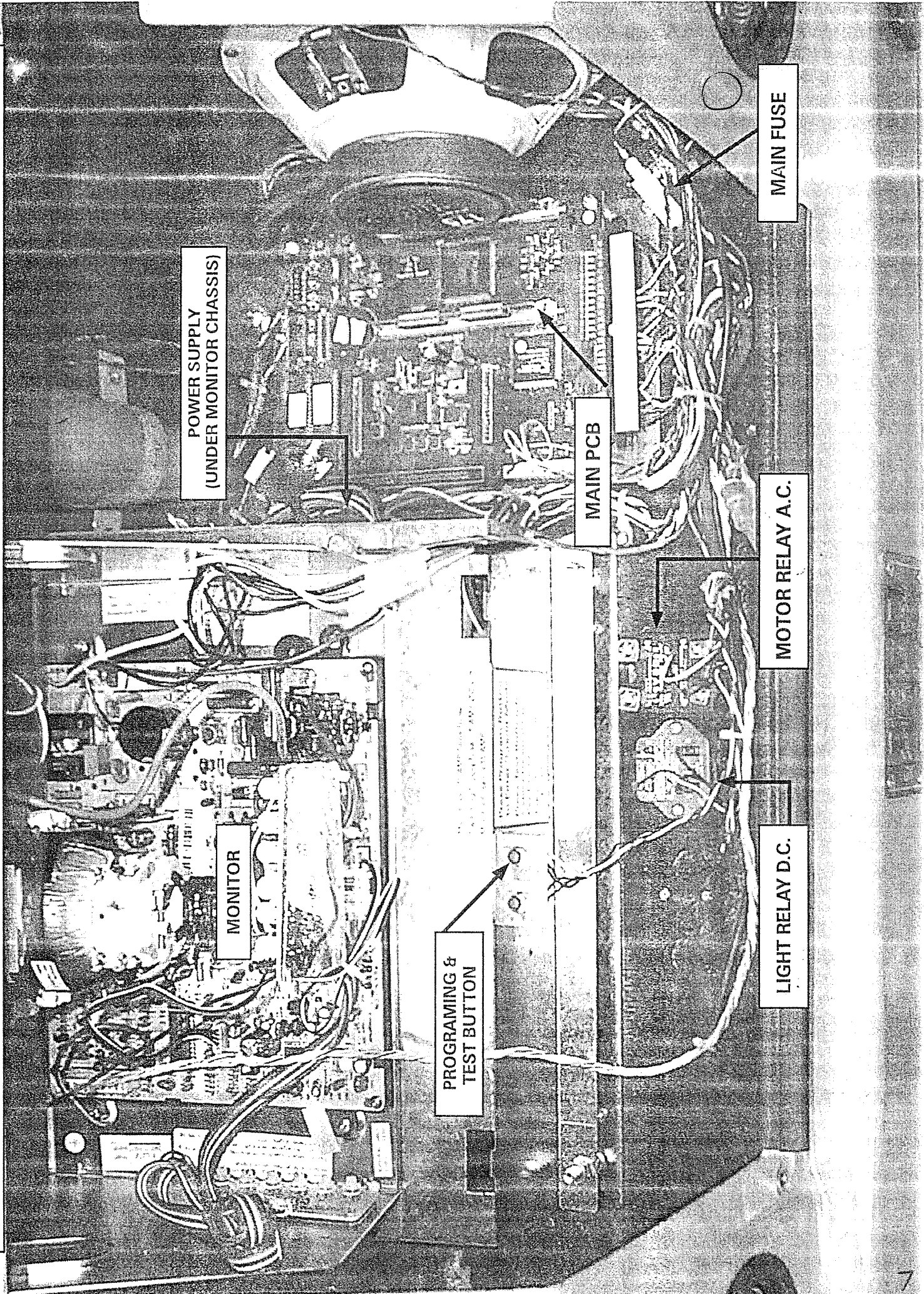
2111	AC RELAY
8176	DC RELAY
BG2009	8" SPEAKER (WOOFER)
2289	RESET BUTTON
CB2035X	PCBA (EPROM)
LP2034X	PCBA (MAIN BOARD)
PC20407	3.2 V BATTERY
CG2006X	FLASH LIGHT ASSY.
CG3006X	HEADLIGHT ASSY.
CG2006	RED LENS
CG3006	CLEAR LENS
FF2010	POWER SUPPLY
FP2007	SPEAKER 4" ROUND
MON 13C	13" MONITOR CGA

U45

U25

U20
U23
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WARNING: Unplug from outlet before servicing.



WARRANTY

I.C.E. warrants all components in the CHUCK-E-CHEESE BUS ride, to be free of defects in material and workmanship for a period of ninety days from the date of purchase.

This warranty does not cover items damaged due to normal wear and tear, subjected to abuse, improperly assembled, modified, repaired, or operated in a fashion other than described in the service manual.

If your CHUCK-E-CHEESE BUS ride fails to conform to the above mentioned warranty, I.C.E.'s sole liability shall be, at its' discretion, to repair or replace any defective component with a new or remanufactured component of equal to or greater O.E.M. specification.

I.C.E. will assume no liability whatsoever, for costs associated with labor to replace defective parts, or travel time associated therein.

I.C.E.'s obligation will be to ship free of charge, replacement parts by UPS ground, U.S. Mail, or other comparable shipping means. Any Express Mail or Overnight shipping expense is at the cost of the purchaser.

Products will be covered under the warranty only when:

1. The serial number of the game with the defective part is given.
2. The serial number of the defective part, if applicable, is given.
3. Defective parts are returned to I.C.E., shipping prepaid, in a timely fashion, if requested by I.C.E.
4. A copy of the sales receipt is available as proof of purchase upon request of I.C.E.

I.C.E. distributors are independent, privately owned and operated. In their judgment, they may sell parts or accessories other than those manufactured by I.C.E. We can not be responsible for the quality, suitability, or safety of any non-I.C.E. part, or any modification, including labor, which is performed by such distributor.