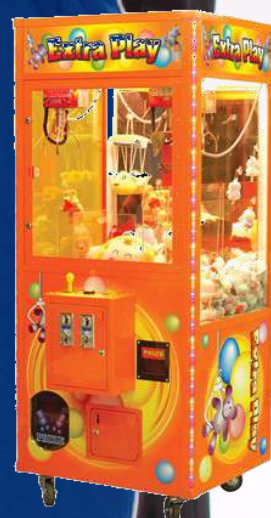


# MACHINE MANUAL

## FEILOLI EXTRA PLAY



2012

# Machine Specifications

WHAT WE CALL THIS MACHINE	FEILOILI EXTRA PLAY CRANE
MANUFACTURER	FEILOLI ELECTRONIC CORP
MODEL	EXTRA PLAY PLUSH
BOARD TYPE	FEILOLI
IC CHIP	LGSKW
SIZE OF MACHINE	STANDARD

## Adjusting Voltages

### Method 2

TURN POWER OFF
TO ADJUST HIGH OR INITIAL VOLTAGE PUT SWITCH 5 ON BANK 4 INTO UP POSITION
TURN MACHINE ON AND CLAWS WILL SNAP SHUT
USE THE H KNOB FOR ADJUSTING THE H OR INITIAL VOLTAGE
TO ADJUST HIGH OR INITIAL VOLTAGE PUT SWITCH 5 ON BANK 4 INTO UP POSITION
TURN MACHINE ON AND CLAWS WILL SNAP SHUT
USE THE H KNOB FOR ADJUSTING THE H OR INITIAL VOLTAGE
TO ADJUST HIGH OR INITIAL VOLTAGE PUT SWITCH 5 ON BANK 4 INTO UP POSITION
TURN MACHINE ON AND CLAWS WILL SNAP SHUT
USE THE H KNOB FOR ADJUSTING THE H OR INITIAL VOLTAGE
NB IT MAY BE EASIER TO SET HIGH AND MEDIUM THE SAME TO MIMIC WMH CRANES

Push Test button
Play machine
Make quick adjustments with H M and L knob while in play—quite difficult on this machine

## Order of Voltages

Normal	H	M	L
Frequency Turn	H	M	H

SINCE M IS A COMMON VOLTAGE TO BOTH TYPES OF PLAY YOU MUST ENSURE M IS STRONG ENOUGH TO HOLD ON TO PRIZE

## Frequency Settings

Use the following combination of dipswitches on Bank 1 to achieve desired frequency
1=1    2=2    3=3    4=5    5= 10    6=20    leave 7 and 8 off
Eg A frequency of 12 is switch 5 and switch 2 on because they add to 12—all others off
A frequency of 10 is switch 5 only on and all others off
Remember to account for lollies by decreasing frequency of win compared to a standard crane

# Dipswitch Settings

BANK 1 –FREQUENCY		
OFF	ON	YOU CHOOSE THESE TO REFLECT DESIRED FREQUENCY
1		FREQUENCY VALUE 1
2		FREQUENCY VALUE 2
3		FREQUENCY VALUE 3
4		FREQUENCY VALUE 5
5		FREQUENCY VALUE 10
6		FREQUENCY VALUE 20
7		FREQUENCY VALUE 30
8		FREQUENCY VALUE 50

BANK 2 - VARIOUS		
OFF	ON	WHAT DOES THIS PIN DO?
	1	CLAW MOVES TO CENTER AT BEGINNING OF PLAY
	2	NO OF \$1 COINS INSERTED(OFF) VS NO OF CREDITS (ON)
3		WARNING SOUNDFD IF TILTED– TILT BOB NOT USED
4		LEAVE OFF TO MAKE LOLLY CLAW CENTER
5		DISABLE LOLLY CRANE– USEFUL IF SENDING LOLLY GANTRY FOR REPAIRS OR DOING REPEATED TESTS
6		n/a
7		n/a
8		n/a

BANK 3—CREDITS FOR COINS		
OFF		FOR \$1 PER PLAY SWITCH 1 ON AND LL OTHERS OFF
		FOR \$2 PER PLAY SWITCH 1 AND 4 ON, ALL OTHERS OFF

BANK 4		
OFF	ON	WHAT DOES THIS PIN DO?
	1	CLEARC CREDIT MEMORY AFTER MACHINE TURNED OFF
	2	CLAW DROPS AT FRONT
3		LOW OR FINAL VOLTAGE ADJUSTMENT WHEN ON
4		MED OR MIDDLE VOLTAGE ADJUSTYMENT WHEN ON
5		HIGH OR INITIAL VOLTAGE WHEN ON
	6	ATTRACT MUSIC– HAVE SWITCH ON TO ENSURE MUSIC OFF
7		SENSOR ADJUSTMENT MODE—SEE NEXT PAGE
9		PLAY UNTIL WIN OPTION> LEAVE OFF

# PCB Board Connector Pins

J4	SECOND COIN MECH
J7	WIN METER
J6	JOYSTICK & DROP BUTTON
J3	SPEAKER AND FREE PLAY
J10	CREDIT DISPLAY BOARD
J5	COIN MECH 1
J2	POWER
J1	GANTRY

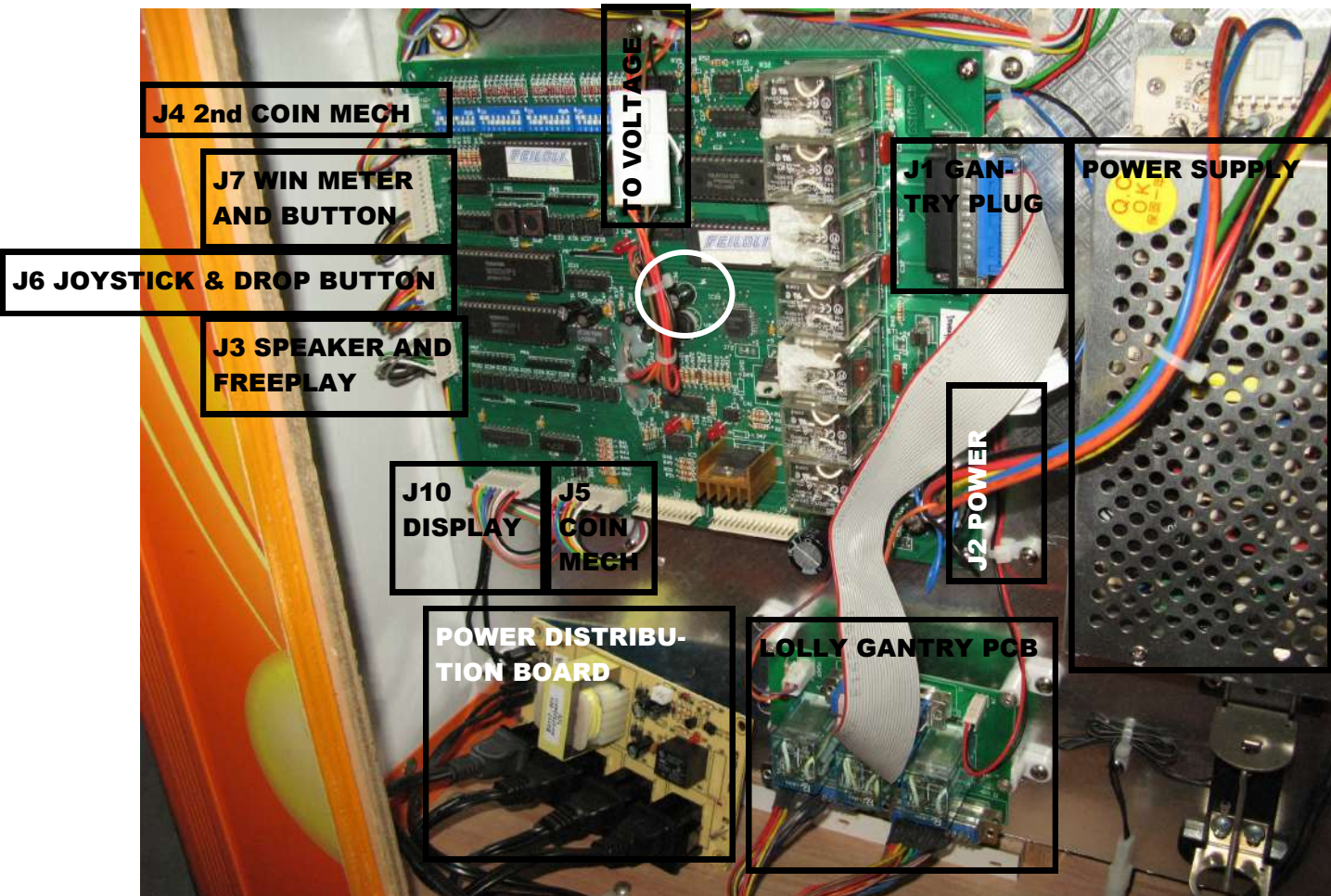
## Error Codes

ERROR CODE	WHAT DOES IT MEAN?
01	UP DOWN MOVEMENT RESTRICTED– CHECK FOR TANGLES
02	FORWARD BACK RESTRICTED—CHECK FOR OBSTRUCTIONS
03	LEFT RIGHT RESTRICTED—USUALLY WIRE ON STOP LEFT SWITCH HAS COME OFF—NEEDS RESOLDERING
04	SWITCH ON \$2 COIN MECH LEFT IN UP POSITION
05	SWITCH ON \$1 COIN MECH LEFT IN UP POSITION
08	PCB ERROR—TRY HOLDING IN FREEPLAY AND TURNING ON AND RELEASE WHEN DISPLAY SCREEN LIGHTS

## How to adjust prize sensor

HAVE MACHINE TURNED OFF
PUT PIN 7 ON BANK 4 TO ON POSITION
TURN MACHINE ON IT WILL COUNT DOWN 88,77,66,55,44,33,22 AND STOP ON 11
USING SMALL FLATHEAD SD ADJUST SMALL ORANGE KNOB RECESSED INTO SIDE OF PRIZE SENSOR UNTIL THE RED LIGHT LED JUST STAYS OFF.
TURN THE SCREWDRIVER BACKWARDS AND FORWRADS TO MAKE THE LIGHT GO OFF AND ON. THE CLOSER THE LIGHT IS TO TURNING ON THE MORE SENSITIVE IT IS
THE RED LED APPEARS ON THE SIDE OF THE SENSOR AND ALSO ON THE PCB BOARD
RUN YOUR HAND OR DROP PRIZE IN FRONT AND SEE IF RED LED BLIPS ON
PUT PIN 7 ON BANK 4 BACK ON REBOOT AND TEST

# PCB Plugs Diagram



THE VOLTAGE CONTROL BOARD IS EITHER 3 KNOBS ON THE MAIN PCB BOARD OR ON THE SMALL 3 KNOB VOLTAGE ADJUSTMENT BOARD WHICH IS FOUND IN THE COIN MECH AREA.

WHEN RECONNECTING A BOARD CHECK YOUR WORK AGAINST THIS DIAGRAM AND

ENSURE ALL PLUGS ARE CONNECTED AND ARE PLUGGED INTO THE CORRECT NUMBERS ON THE BOARD. INSPECT CLOSELY FOR MISALIGNMENT OF PLUGS AND BENT PINS. THERE ARE 8 PLUGS TO RECONNECT, BUT SOME BOARDS HAVE AN EXTRA FLOATING PLUG WHICH GOES UP TO THE VOLTAGE ADJUSTMENT BOARD

VOLUME IS IN THE MIDDLE OF THE BOARD—SEE CIRCLE

THE SMALL BOARD UNDERNEATH IS THE LOLLY GANTRY BOARD AND HAS 5 PLUGS

THE BOARD ON THE LEFT BOTTOM IS THE POWER DISTRIBUTION BOARD