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#### OPENING YOUR HOLLYWOOD CRANE

#### REMOVE CRATING FROM THE MACHINE

- 1. Remove keys from inside coin returns, unlock top coin door.
- 2. Release latch on inside right hand wall of machine.
- 3. Open complete front of machine by pulling on coin door opening and control panel.
- 4. Untie bungy cords from mechanism.
- 5. Remove spacer blocks from mechanism.
- 6. Push mechanism to middle of machine, both back and to the right.
- 7. Plug in unit ~ mechanism will return to home position.
- 8. To test machine, coin up by either quarter switch or DBA.
- 9. If DBA installed you must first press start button before joystick will activate.
- 10. After coin up and start/joystick will move mechanism forward and reverse, left and right and red button on joystick will drop claw assembly.
- 11. If any of the above fail refer to diagnostics or phone Hollywood Service (818)767-0981.

#### REMOVING CLAW MECHANISM ASSEMBLY

- 1. Firstpull c 1 awmechanism forward to the **forward** most position in the cabinet. This will rest the mechanism on the parking rods installed 3" above 1/2" **rods** that **the** carriage rides on.
- 2. Then unplug 24 pin molex connector on the ceiling of the cabinet.
- 3. Remove mechanism harness from punduit channelling on the ceiling of the cabinet bring all wiring harnesses to the mechanism.
- 4. Remove cotter keys from the 1/2" traveling rods that the carriage assembly rides on.
- 5. Pull 1/2" traveling rods out through the front of the cabinet. This will release mechanism and rest it on the parking rods 3" above traveling rods. Now mechanism is ready to be removed from cabinet.

## REMOVING THE KELAY BOARD

- 1. Unplug two wiring harness assemblys from relay board 24 pin molex connectors.
- 2. Unplug 3 pin AC input molcx connector.
- 3. Remove 1/4" hex head screws from top of relay board that mounts the relay board to the back wall.
- 4. Then relay board is ready for removal lift up from bottom bracket and relay board is removed.

### REMOVE JOYSTICK CONTROL PANEL ASSEMBLY

#### FOK DOLLAR BILL REPAIR OK COIN ACCUMULATOR REPAIR

- 1. Unplug 6 pin molex connector, unplug 10 pin molex connector, and unplug 2 pin molex connector if the machine is equipped with DBA.
- 2. Unscrew six control panel screws which are located in the back of of the control panel, inside the front door. This will release the control panel for easy access to joystick, DBA, and coin accumulator.

Your Holl ywood Crane is designed into a component system so that each component can be removed and be sent back to the factory if warranty service or major repairs are needed to be done to each assembly. Easy for easy service on location.

## PROBLEMS & DIAGNOSES

Tr.

PROBLEMS_	DIAGNOSES POSSIBILITIES
Won't coin up	Fl open 110vac to trans #1 F4 open 12vdc to relays & motors Loose coi; switch wires
Won't drop claw	String wound up backwards LS3 improperly adjusted Loose joystick button wires
Claw won't close	Check for easy claw movement Possible broken wire inside claw Claw strength adjusted to low
Mech won't return home	F3 open LS #3 improperly adjusted •
Motor #3 won't shut off when reversing	LS #4 impraperly adjusted
Motor #2 won't stop when reversing to allow motor #1 to reverse	LS #5 improperly adjusted •
Motor #1 won't stop when reversing	LS #1 improperly adjusted
No DC voltage at F3 & F4	Check <b>F1</b> Possible <b>Bad</b> Bridge Rectifier
Game time too short	Adjust game time

Red light runs too often Adjust timer off

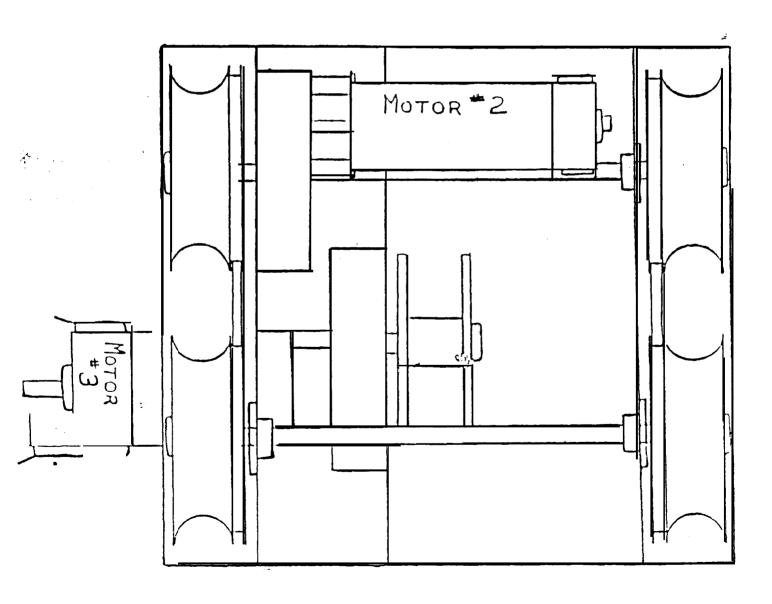
Red light runs too long Adjust timer on

# $\underline{C\ A\ G\ E\ A\ S\ S\ E\ M\ B\ L\ Y}$

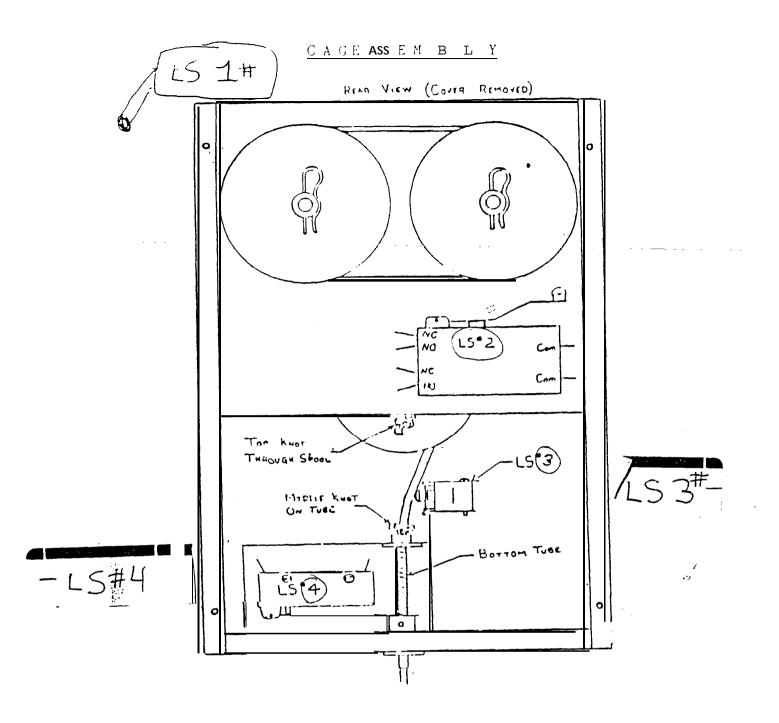
# TOP VIEW

MOTOR 2 - CAGE MOTOR - MOVES CAGE ASSEMBLY LEFT TO RIGHT.

MOTOR 3 - STRING MOTOR - RAISES AND LOPERS CLAW ASSEMBLY.



<u>:30</u>



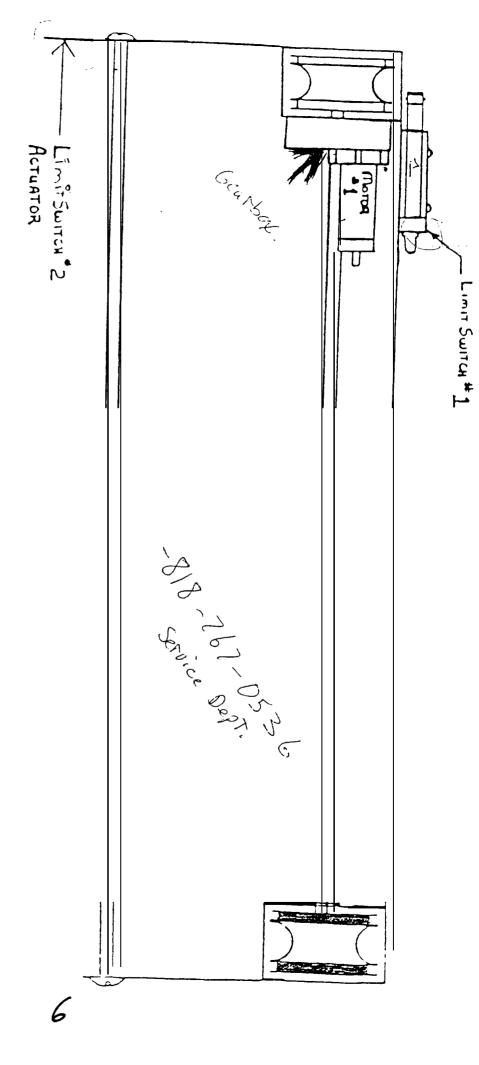
LIMIT SWITCH 2 - HAS TWO FUNCTIONS.

FUNCTION 1 RETURNS CAGE ASSEMBLY TO HOME POSITION

FUNCTION 2 - ACTIVATES WHEN CAGE REACHES HOME SENDS CARRIAGE TO HOME POSITION.

LIMIT SWITCH 3 - (STRING SWITCH) - SENSES SLACK IN STRING AND AUTOMATICALLY RETURNS CLAW TO HOME POSITION.

LIMIT SWITCH 4 - ACTIVATES WHEN CLAW REACHES HOME SENDS CAGE TO HOME POSITION.



MOTOR 1 - (CARRIAGE MOTOR) MOVES CARRIAGE FORWARD AND REVERSE.

LIMIT SWITCH 1 - 2 FUNCTIONS

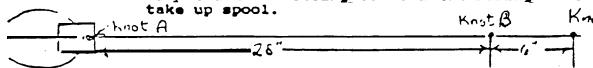
FUNCTION 1 - (HOME SWITCH) SHUTS MACHINE DOWN WHEN MECHANISM REACHES HOME.

FUNCTION 2 - ALLOWS STRING TO DROP AFTER CAGE MOVES FROM HOME POSITION.

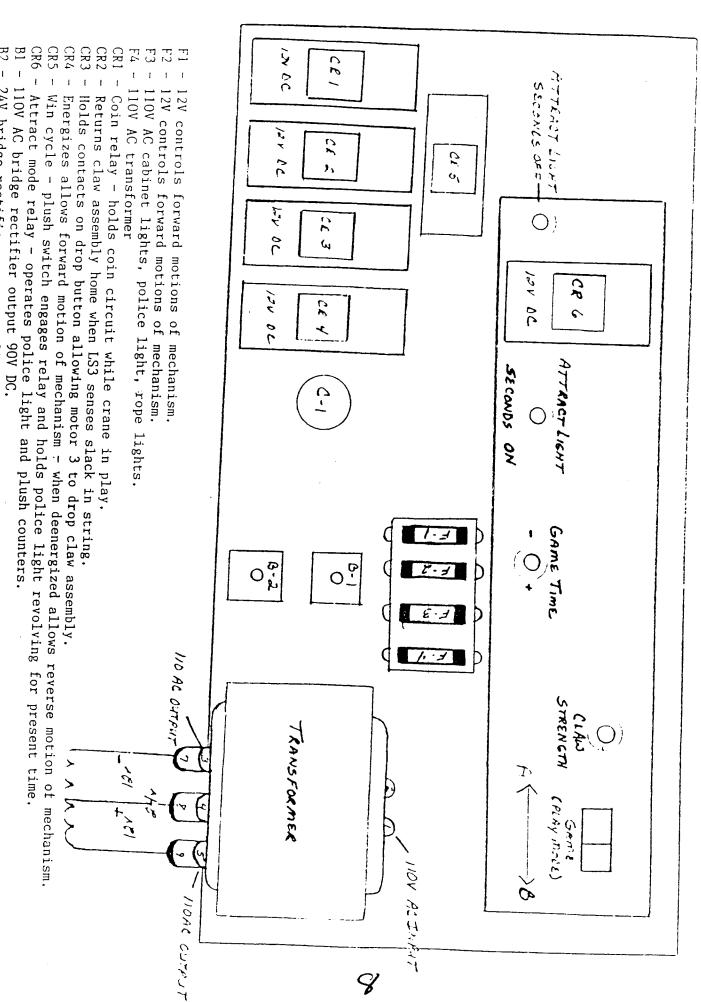
#### REPLACEMENT OF STRING.

- 1) Remove rear cover of small carriage (4 screws)
- 2) Remove cap from claw (2 craws)
- 3) Cut bring from claw cap
- 4) Pull string up through the bottom of the mall carriage
- 5) Remove string from takeup spool.
- NOTE: There is a knot in the string about 6 inches from the upper end, and one knot on the very end of the string to hold the string in the take up spool.

  Knot B

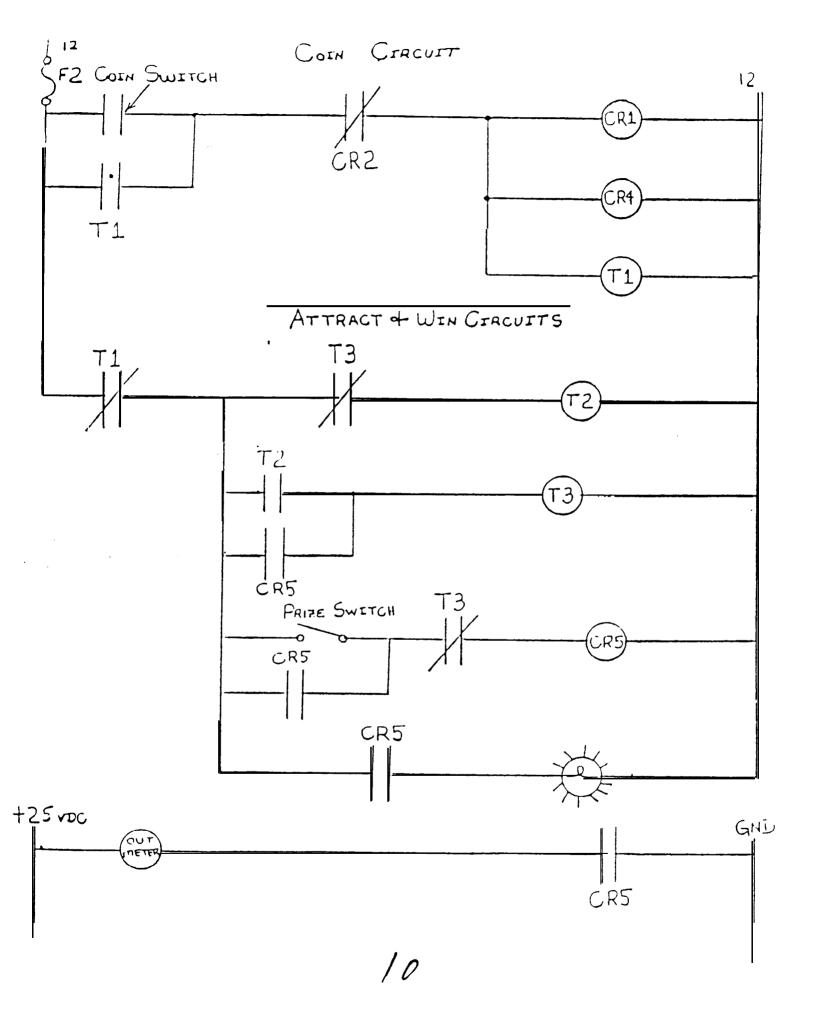


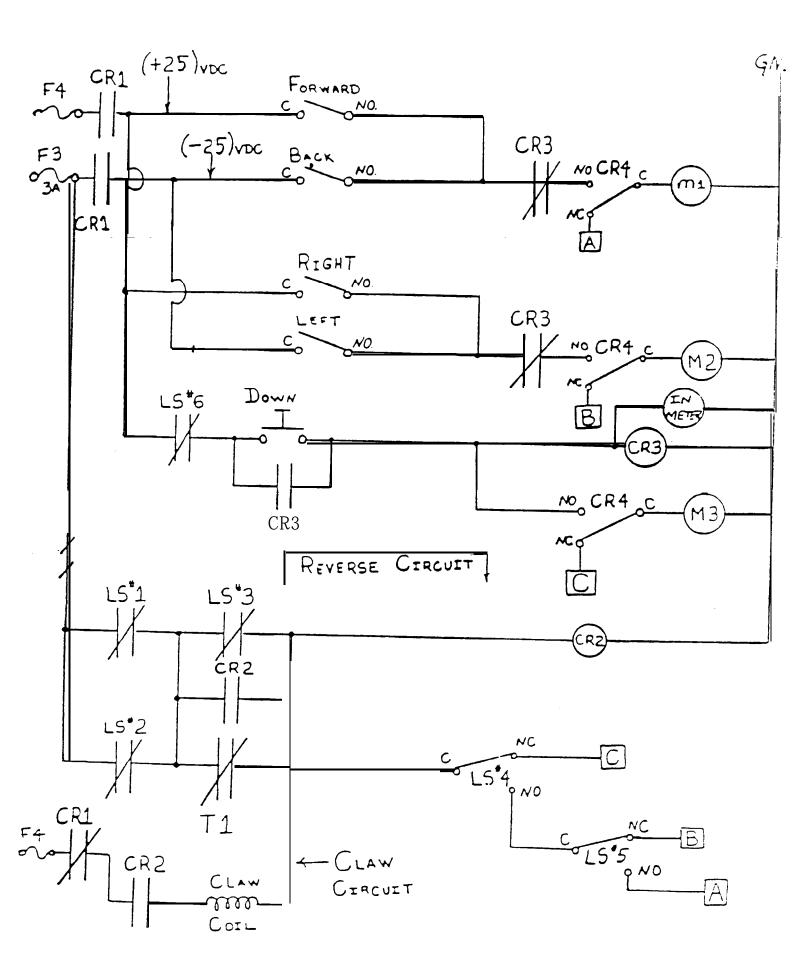
- 6) Placement of new string
  - a) Place the first knot about 8 inches in from one end
  - b) Place the (C) or upper end through the hole in the take up ● pool
  - c) Push the other end down through the tube in the bottom of the mechanism
  - d) Make sure the knot is proparly placed in the string protruding from the outside of the take up spoolss to allow LS#3 to activate when the middle knot comes into contact with the bottom tube
- 7) Replace the string through the claw cap and tie a knot there as to allow the cap to be about 2 inches from the bottom of the ploy field, with the knot in the middle restring on the tube
- 8) Replace cap on claw
- 9) Before replacing rear cover, plug in machine and chock for proper operation
- 10) Replace rear cover



B2-24V bridge rectifier - converts 24V AC to DC for supply voltage to mechanism.

- R1 = 10 k ohms 1/2 W
- R2 = 20 ohms 10 W
- R3 = 1.5 k ohms 1 W
- R4 = 1 ohm 5 W
- R5 = 10 k ohme 1/2 W
- R6 = 1.5 k ohms 1 W
- R7 = 3.3 k ohms 1/2 W
- **R8** = 1.5 k ohms 1 W
- R9 = 3.3 k ohms 1/2 W
- Cl = 1500 uf/50 v
- C2 = 1500 uf/50 v
- $c3 = 1500 \, uf/50 \, v$
- VR1 = 100 k ohms variable control
- VR2 = 50 k ohms variably control
- VR3 = 50 k ohms variable control
- RHEO1 = 25 ohms 25 W variable resistor
- SW1 = switch
- TR1 = 2N6044 transistor
- TR2 = 2N6044 traneletor
- TH3 = 2N6044 transistor
- TR4 = 2N6044 traneletor
- CHI = relay
- D1,D2 = 10 A diodes





```
J1
 Pin.
          Description.
     1 = Power -V to Joustick (Left common)
     2 = From Joystick (Right & left_N/O)
     3 = Fower AV to Joustick (Back & Right common)
     4 = From Joustick (Front & Back N/O)
     5 = From Joystick - Nutton(common)
     6 = Power to Joustick - Buttom(N/O)
     7 = Power -V to Joustick (Front common)
     8 = AC4 constant
     9 = AC- constant
10,11
12,14
   15
      == NA
    13 = From Prize Swich =
    16 = To Prize Counter 4
    17 = To Run Counter -V
    18 = Police Light ACT SW
    19 = To Frize Swich =
    20 ≈ Police Light ΔC™
    21 " To Cain Swich t
    22 = From Coin Swich 4
    23 = OutPut For Boor Lights +
    24 - Neutral to Door Lights/Run Counter/Prize Counter
J2
 l'in.
         Description
     1 - Clau - V when Off Home
     ⊇ :: Neutral To Motor 1,2,3
     3 □ I SS (NO) Sens For Motor 1
     4 % IS1 (C) -V constant
5,21
22-23 F NA
     6 = Motor 3 (Ur & Down)
     7 = 1 = S^{\bullet}(r) -U constant
     8 = 1 S6 (NC) 4 Veonstant
     9 = LS6 (C) Off Home Swith <math>\pm V
    10 = Hotor 1 (Back & Front)
    11 = ClautySW
    12 = LS4(C) Fower I. o senswhen offHome
    13 = I S2 (NC) Power -V to Clow Off Home
    14 = 1 S3 (HC ) Fower to slack switch when Off Home
    15 = 1.93 (C) flower to swich complet from Off Home sui chl S1 &2
    16 | 1 SS (NC) Sens To Motor?
        - I S4 (RC) Sens ToMotor3
    18 m Motor 2 (Left & Right)
    19 = LSI (NC) fower -V to Clow Off Home
    20 ACT
    24 AC=
```