CRUIS'N EXOTICA

S E C T I O N FIVE

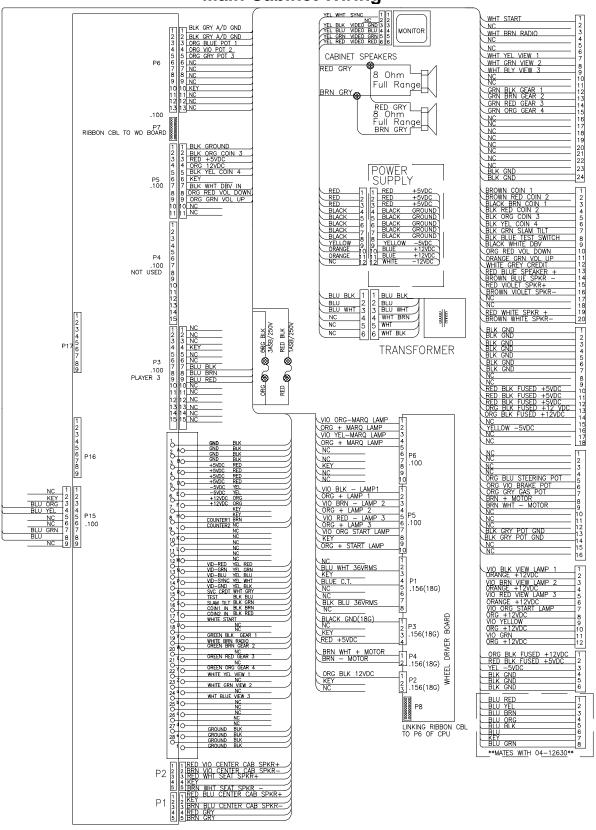
WIRING

FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR	FUNCTION
Ground	Black	А	1	Black	Ground
Ground	Black	В	2	Black	Ground
+5VDC	Red	С	3	Red	+5VDC
+5VDC	Red	D	4	Red	+5VDC
-5VDC	Yellow	Е	5	Yellow	-5VDC
+12VDC	Orange	F	6	Orange	+12VDC
	Key	Н	7	Key	
Counter 2	N/C	J	8	Brown	Coin Counter 1
	N/C	K	9	N/C	
	N/C	L	10	N/C	
	N/C	М	11	N/C	
Video Green	Yellow/Green	N	12	Yellow/Red	Video Red
Video Sync	Yellow/White	Р	13	Yellow/Blue	Video Blue
Service Credits	White/Gray	R	14	Yellow/Black	Video Ground
Slam Tilt	Black/Green	S	15	Black/Blue	Test Switch
Coin 2	Black/Red	Т	16	Black/Brown	Coin 1
	N/C	U	17	White	Start
Gear 1	Green/Black	V	18	N/C	
Gear 2	Green/Brown	W	19	White/Brown	Radio Switch
Gear 3	Green/Red	Х	20	N/C	
Gear 4	Green/Orange	Y	21	N/C	
	N/C	Z	22	White/Yellow	View 1 Switch
	N/C	а	23	White/Green	View 2 Switch
	N/C	b	24	White/Blue	View 3 Switch
	N/C	С	25	N/C	
	N/C	d	26	N/C	
Ground	Black	е	27	Black	Ground
Ground	Black	f	28	Black	Ground
SOLDER SIDE				COMPONENT	Γ SIDE

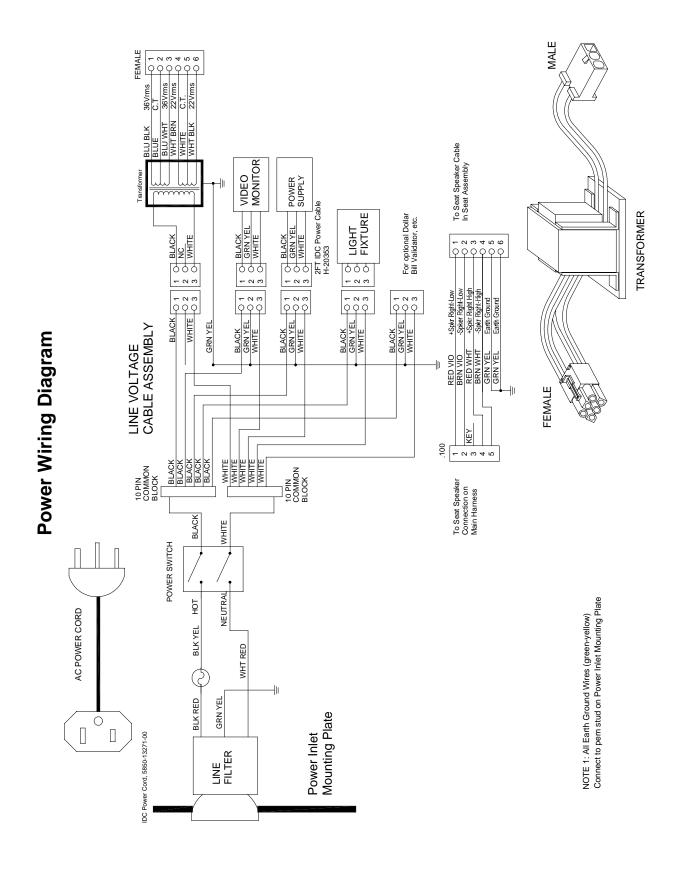
Dashboard Wires (Not part of the Main JAMMA Harness)							
Wheel Motor Black Brown/White + Green/Black Gear Shift 1 (1st)							
Wheel Motor Red	Brown -	Green/Brown	Gear Shift 2 (2 nd)				
Red	+5V Steering	Green/Red	Gear Shift 3 (3 rd)				
Orange/Blue	Steering Position	Green/Orange	Gear Shift 4 (4 th)				
Black	Ground Steering	Black	Gear Ground				

DC Power Sou	rce Voltage Limits						
FUNCTION	RANGE LIMITS	ID	ID	RANGE LIMITS	FUNCTION		
Digital Circuits	+4.90V to +5.10V	+5V	-5V -4.75V to -5.25V Audio; Lights				
Audio; DBV	+11.5V to +12.5V	12V	/ NOTE: +5V is adjustable on the power supply.				

Main Cabinet Wiring



Control Cabinet Wiring GRN BLK GEAR 1 GRN BRN GEAR 2 GRN RED GEAR 3 GRN ORG GEAR 4 KEY 1 WHT START GRN BLK Gear Shift 1 GRN BRN Gear Shift 2 GRN RED Gear Shift 3 WHT BRN RADIO GRN ORG Gear Shift 4 NC WHT YEL VIEW 1 WHT GRN VIEW 2 WHT BLY VIEW 3 KEY BLK GND Gear Shift Gnd BLK GND Gear Shift Gnd BLK GND BLK GND RED 5VDC RED 5VDC RED 5VDC KEY ORG BLU STEERING BLK GRY A/D GND 1 NC 2 GRN BLK GEAR 1 3 GRN BRN GEAR 2 4 GRN RED GEAR 3 5 GRN ORG GEAR 4 KEY ORG BLU STEERING BLK GRY A/D GND 1 VIO ORG+ VIEW 3 LAMP 2 KEY 3 ORG - VIEW 3 LAMP 4 BILK GND VIO ORG + VIEW 3 LAMP - VIEW 3 LAMP - VIEW 3 LAMP SWITCH GND ORG START 5 WHT WHT 1 NC #259 or 2 ORG Equivalent Signal VIO BLK - START LAMP 23 BLK GND 24 BLK GND + START LAMP - VIEW 1 LAMP + VIEW 1 LAMP ORG VIO BRN ORG 1 BRN COIN 1 \bigcirc 2 NC 3 BLACK BRN COIN 1 4 BLK RED COIN 2 5 BLK ORG COIN 3 6 BLK YEL COIN 3 7 BLK GRN SLAM TILT 8 BLK BLUE TEST SWITCH 9 BLACK WHITE DBV 10 GRG RED VOL DOWN 11 GRANGE GRN VOL UP VIO RED VIEW 3 LAMP ORG WHT YEL WHT GRN VIO RED ORG - VIEW 2 LAMP + VIEW 2 LAMP WHT YEL VIEW 1 SW VIEW 2 SW VIEW 3 SW WHT GRN WHT BLU WHT BLU KEY VIEW 3 SW 10 KEY 11 SWITCH GROUND 12 BLACK BLACK 11 ORANGE GRN VÖL UP 12 WHITE GREY CREDIT 13 RED BLUE SPEAKER + 14 BROWN BLUE SPKR -15 RED VIOLET SPKR+ 16 BROWN VIOLET SPKR-17 NC + WHEEL MOTOR BL<u>ACK</u> BRN WHT (M) MOTOR BROWN - WHEEL MOTOR 1 RED DASH ASSEMBLY -5VDC 1 COIN LAMPS GND 2 GROUND 3 COIN 1 4 COIN 2 5 18 NC 18 NC 19 RED WHITE SPKR + 20 BROWN WHITE SPKR-YELLOW YELLOW YEL BRN BLACK BLK BRN YEL BRN BLACK BLK BRN BLK RED RED KEY 6V BULB 1 BLK GND 2 BLK GND #555 or Equivalent BLK RED RED COIN METER 1 BROWN BROWN NC BLK GRN SLAM TILT BLK GRN 8 NC 9 NC 10 RED BLK FUSED +5VDC 11 RED BLK FUSED +5VDC 12 RED BLK FUSED +5VDC 12 RED BLK FUSED +12 VDC 14 ORG BLK FUSED +12 VDC 14 NC +5VDC GROUND COIN 3 COIN 4 BI ACK 14 NC 15 YELLOW -5VDC 16 NC 17 NC BLK ORG BLK YEL BLK WHI COIN DOLLAR BILL **METER** BLACK GROUND BLACK Ground NC NC NC ORG BLU STEERING POT ORG VIO BRAKE POT ORG GRY GAS POT BRN + MOTOR BRN WHT - MOTOR KEY WHT GRY Service SERVICE SW - VOLUME + VOLUME TEST SWITCH 2 3 4 5 6 ORG RED - Vol ORG GRN + Vol BLK BLU Test Sw **COIN VAULT ASSEMBLY** 12 13 14 15 NC BLK GRY POT GND BLK GRY POT GND FOOT PEDAL **ASSEMBLY** T VIO BLK VIEW LAMP 1 2 ORANGE +12VDC 3 VIO BRN VIEW LAMP 2 4 ORANGE +12VDC 5 VIO RED VIEW LAMP 3 6 ORANGE +12VDC 7 VIO ORG 51ART LAMP 8 ORG +12VDC 10 ORG +12VDC 10 ORG +12VDC 5KOHM POT RED ORG VIO ORG GRY KEY BLACK +5V STEERING KEY GND-PEDALS BLK GRY RED BLU RED BLU NC 4 5 VIO GRN ORG +12VDC CABINET SPEAKER 8 Ohm T ORG BLK FUSED +12VDC 2 RED BLK FUSED +5VDC 3 YEL -5VDC 4 BLK GND 6 BLK GND BRN BLU BRN BLU RED WHT RED WHT NC NC 2 KEY 3 NC 4 2 3 4 5 SEAT SPEAKER 8 0hm BRN WHT BRN WHT RED WHT 8 0hm BRN WHT RED WHT SEAT WOOFER SPEAKER ∐BRN WHT



CPU Board LED Indicator Status Chart								
DESIGNATION	LOCATION	FUNCTION	COLOR	STATE	MEANING			
LED 6	Bottom Center	Diagnostic	Green	Off	Abnormal Game Play			
				On	Abnormal Game Play			
				Blinking	Signals Normal Game Play			
LED 5	Bottom Center	I/O	Green	Off	PIC Recognized			
				On	PIC Not Recognized			
LED 4	Bottom Center	Sound	Orange	Off	Abnormal Operation			
				On	Abnormal Operation			
				Blinking	Signals Normal Operation			
LED 3	Bottom Center	Power	Red	Off	Power Not Received			
				On	Signals Normal Operation			
				Blinking	Abnormal Power Reception			

H-Bridge Board LED Indicator Status Chart						
If Status LED Flashes	Check to Make Sure					
1 or 10 times	The motor's power connector is connected.					
	The left encoder is connected.					
2 times	The motor's power connector is connected.					
	The right encoder is connected.					
3 times	The left micro switch is connected.					
	The left micro switch is not stuck.					
4 times	The right micro switch is connected.					
	The right micro switch is not stuck.					
5 times	The left encoder is connected.					
6 times	The right encoder is connected.					
7 times	The left motor's power connections are not reversed.					
8 times	The right motor's power connections are not reversed.					
9 times	The fuse isn't blown.					
	The 48V power supply connection is attached to the board.					

CPU DIP Switch 1 Settings

Function	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
Dedicated	OFF							
Kit	ON							
Motion Disabled		OFF						
Motion Enabled		ON						
Stand Up Style Cabinet			OFF					
Sit Down Style Cabinet			ON					
Wheel Invert Disabled				OFF				
Wheel Invert Enabled				ON				
Unused					OFF			
					ON			
Link Disabled						OFF		
Link Enabled						ON		
Linking I.D. Number								
Master (Game Number 1)							OFF	OFF
Slave (Game Number 2)							ON	OFF
Slave (Game Number 3)							OFF	ON
Slave (Game Number 4)							ON	ON

CPU DIP Switch 2 Settings

DIP Switch 2 Settings	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
COUNTRY CODE								
USA	OFF*	OFF*	OFF*	OFF*	OFF*			
GERMANY	ON	OFF	OFF	OFF	OFF			
FRANCE	OFF	ON	OFF	OFF	OFF			
CANADA	ON	ON	OFF	OFF	OFF			
SWITZERLAND	OFF	OFF	ON	OFF	OFF			
ITALY	ON	OFF	ON	OFF	OFF			
UK	OFF	ON	ON	OFF	OFF			
SPAIN	ON	ON	ON	OFF	OFF			
AUSTRALIA	OFF	OFF	OFF	ON	OFF			
JAPAN	ON	OFF	OFF	ON	OFF			
TAIWAN	OFF	ON	OFF	ON	OFF			
AUSTRIA	ON	ON	OFF	ON	OFF			
BELGIUM	OFF	OFF	ON	ON	OFF			•
SWEDEN	OFF	OFF	OFF	OFF	ON			
FINLAND	ON	OFF	OFF	OFF	ON			
NETHERLANDS	OFF	ON	OFF	OFF	ON			
NORWAY	ON	ON	OFF	OFF	ON			
DENMARK	OFF	OFF	ON	OFF	ON			
HUNGARY	ON	OFF	ON	OFF	ON			
GENERAL	ON	ON	ON	OFF	ON			
USA1/GER1/FR1/SPN1/AUSTRIA1/GEN1						OFF	OFF	
USA3/GER1/FR1/SPN1/AUSTRIA1/GEN3						ON	OFF	
USA7/GER1/FR1/SPN1/AUSTRIA1/GEN5						OFF	ON	
USA8/GER1/FR1/SPN1/AUSTRIA1/GEN7						ON	ON	
CAN1/SWI1/ITL1/UK1/JPN1/TWN1/BLGN1	4					OFF	OFF]
CAN2/SWI2/ITL2/UK2/JPN2/TWN2/BLGN2	4					ON	OFF	1
CAN3/SWI3/ITL3/UK3/JPN3/TWN3/BLGN3	4					OFF	ON	1
NTHRLDS1/FNLD1/NRWY1/DNMK1/HUN1	4					OFF	OFF	
NTHRLDS2						ON	OFF	

^{*} Denotes default setting. Switches 1 through 5 select country. Switches 6 and 7 are used to select one of four modes for each country.

NOTES ON COINAGE:

There are many ways to select the type and quantity of currency recognized by the game machine.

- 1. The most common coin combinations for several countries are pre-programmed and can be selected from the table when Standard Pricing is activated (see Game Adjustments).
- 2. DIP Switch settings may be changed with the power switched on. Set any switch and then observe the screen to verify that the desired selection is enabled. **NOTE:** If CMOS Coin Settings are active, switch settings for an individual Country will have no effect.
- 3. Some European countries may accept currency used in other countries. The most popular coinage settings are listed beneath 'Other' in the Standard Pricing Table.
- 4. Alternate settings are listed beneath 'General' in the Standard Pricing Table.

NOTES