

ERRATA I TO SIDETRAK

Technical Manual

This is ERRATA I to the SIDETRAK manual dated December 1979. Changes may be found on pages 3 and 4 of the manual. These changes are dated January, 1980. For your convenience fourteen Schematics have been included.

UNIVERSAL GAME BOARD V2.0

1. Sync and Video Generation
2. Video RAM Character Generator and Shift Register
3. Continuation of #2
4. CPU, Page 0 and 1
5. CPU ROM
6. Moving Object Position Counters
7. Moving Object Video Generation
8. I/O Port
9. SIDETRAK Audio,1
10. SIDETRAK Audio,2
11. Universal Power Supply Assembly Harness
12. Coin Harness
13. Control Panel Harness
14. Main Harness

Each time the player passes START on the outside track, another car is added to the train. For each car that is added, points are increased as passengers are picked up. For example, passengers picked up with a one-car train in the outermost track are worth 10 points. The same passengers picked up with two cars bring 20 points. Passengers picked up by three cars in the same outermost lane are worth 30 points, etc.

Play continues until the player crashes into the killer engine. If the player succeeds in picking up all the passengers without crashing into the killer engine, the player is rewarded with a bonus round. The bonus round resets the playing field and the player is given the same number of cars and passengers that he had at the end of play. For example, if there were three cars containing passengers at the end of the successful game, then the same three cars and passengers would appear on the field to begin the bonus round.

II. SELECTABLE OPTIONS

SIDETRAK has three switch selectable options. These are controlled by a 8-position DIP switch located on the main logic board at position 16A. This switch is accessible from the front of the game through the coin door. Figure 1 shows all selectable functions controlled by the 8-position DIP switch.

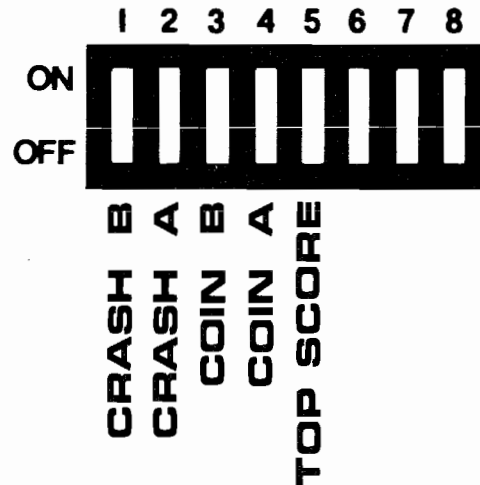
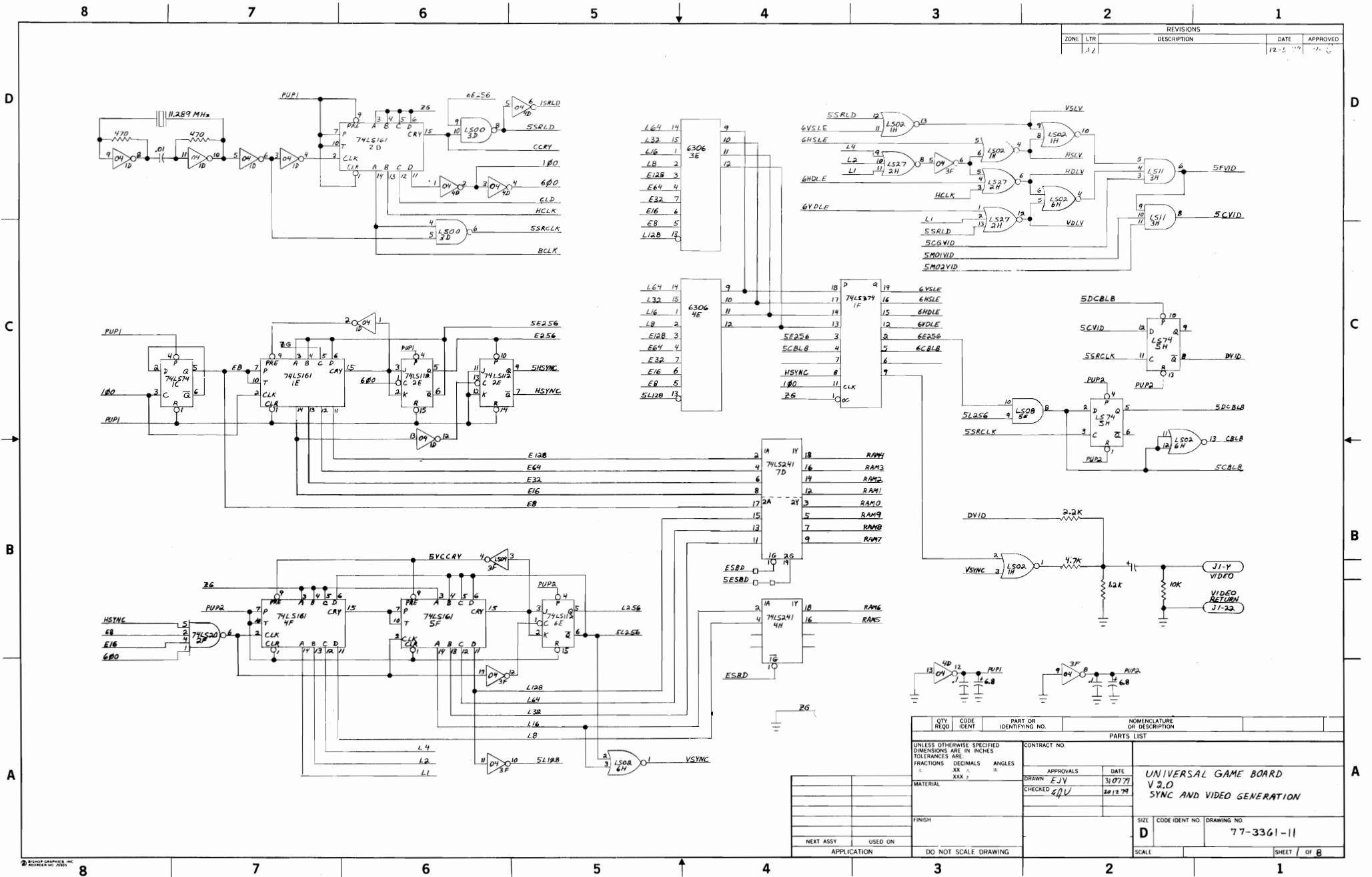


Figure 1. Functions of the 8-position DIP Switch

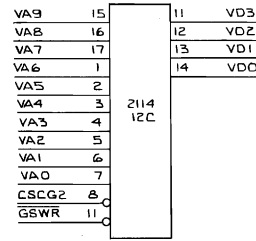
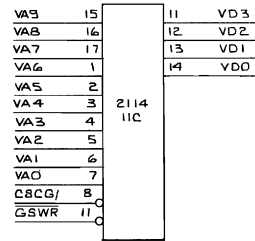
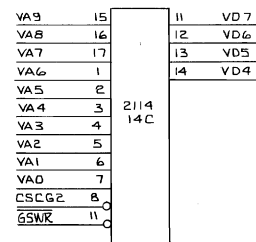
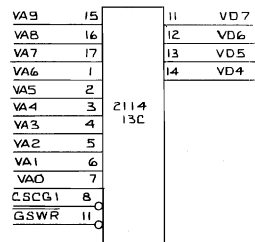
Following are the switch settings for the selection of options:

A. COINAGE	Switch 4	Switch 3
2 Player - 1 Coin	ON	ON
1 Player - 1 Coin	ON	OFF
2 Player - 2 Coin		
1 Player - 2 Coin	OFF	ON
2 Player - 4 Coin		
B. CRASHES (Turns)	Switch 2	Switch 1
2 Crashes	ON	ON
3 Crashes	ON	OFF
4 Crashes	OFF	ON
5 Crashes	OFF	OFF
C. TOP THIS SCORE	Switch 5	
Credit awarded for topping score	OFF	
Credit <u>not</u> awarded for topping score	ON	

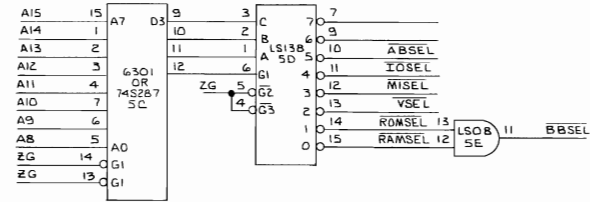
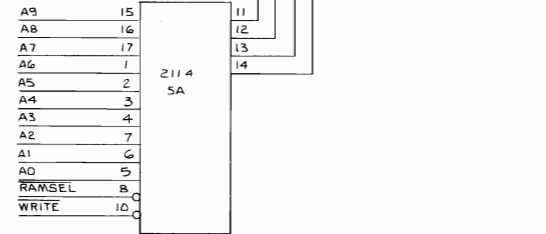
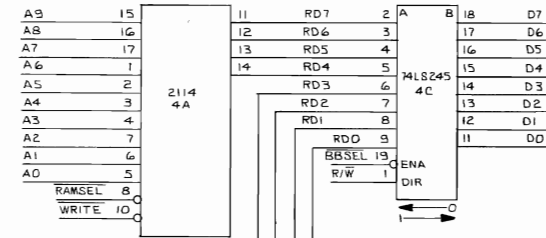
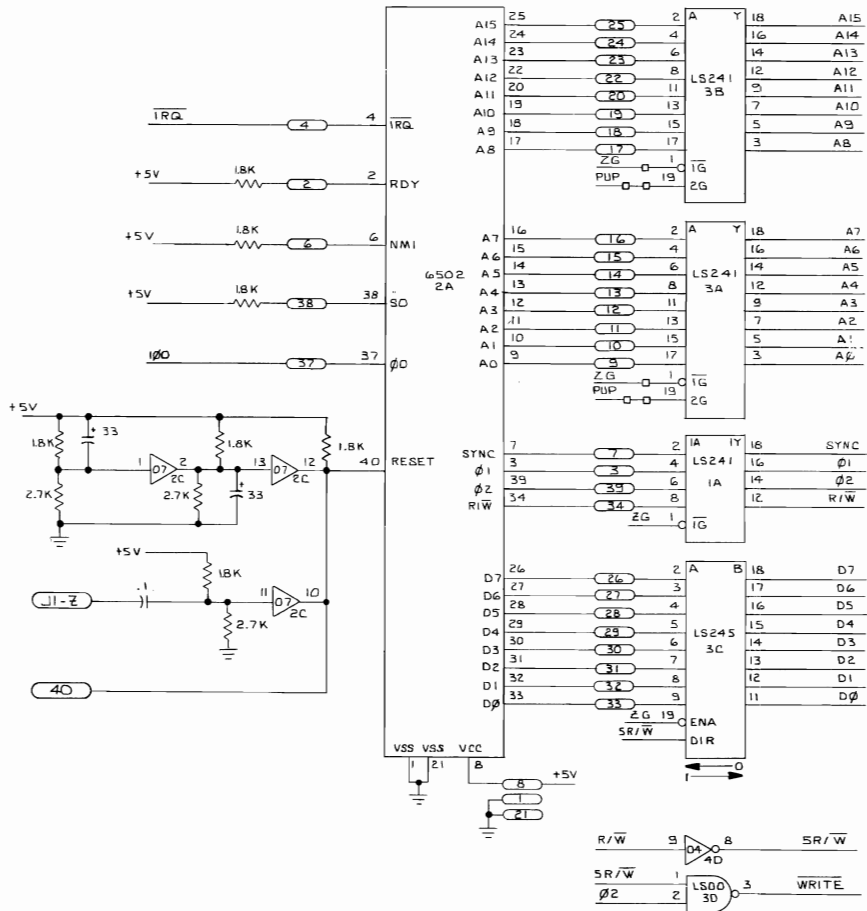
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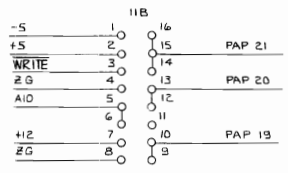
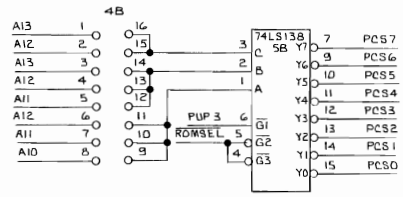
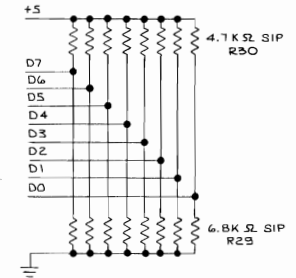
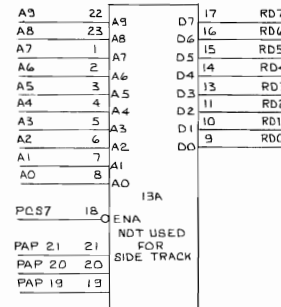
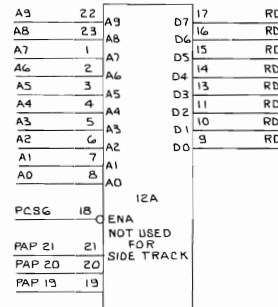
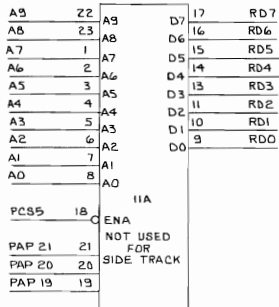
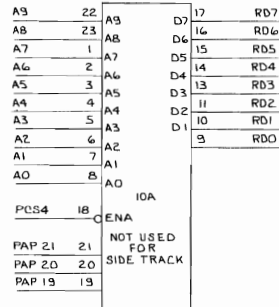
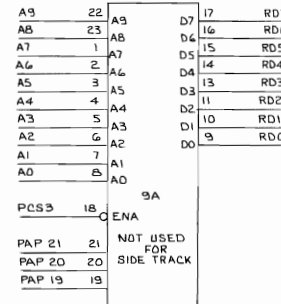
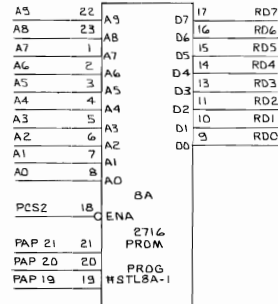
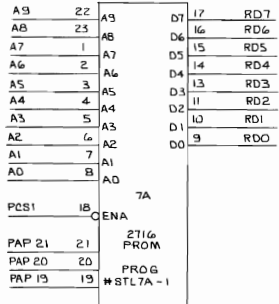
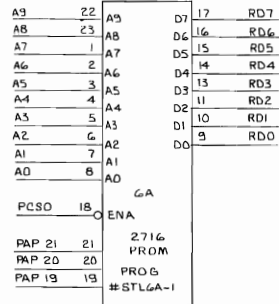
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NEXT ASSY USED ON APPLICATION		CHECKED GJV	20/12/77
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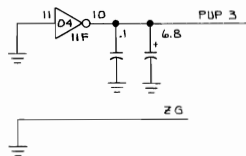
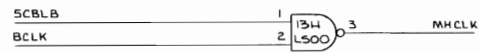
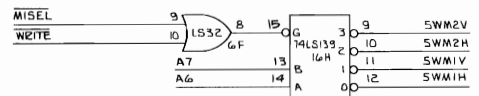
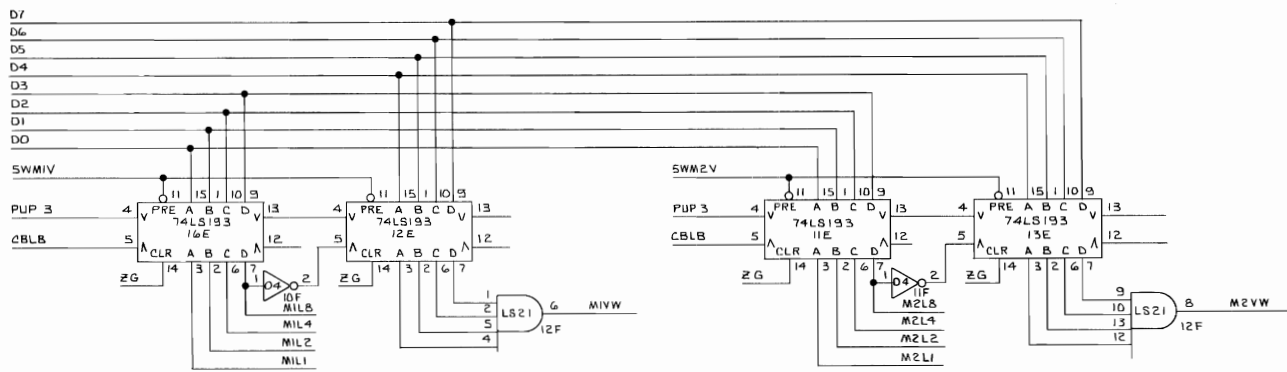
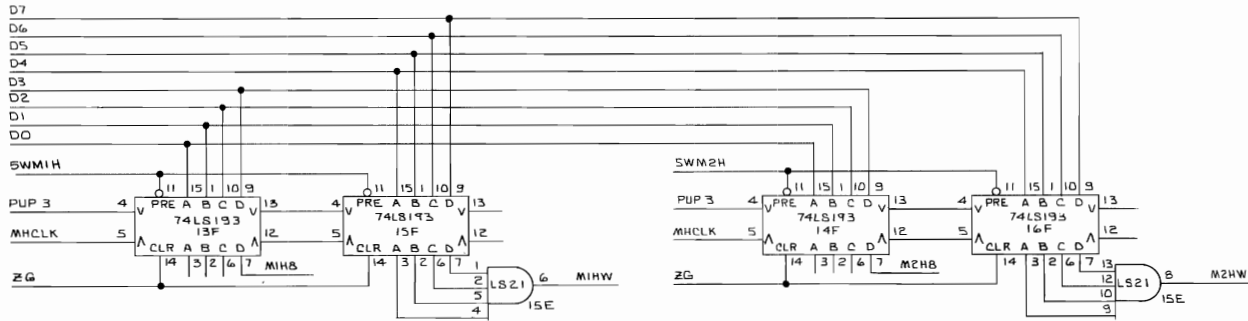
UNIVERSAL GAME BOARD V2.0		
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DATE: 12-4-79		REVISED:
3 OF 8		DRAWING NUMBER: 77-3361-11-A2



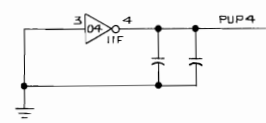
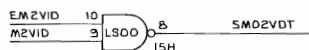
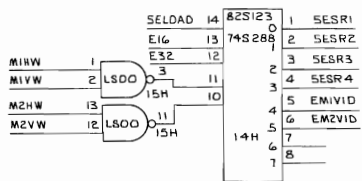
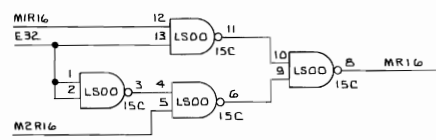
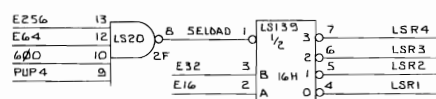
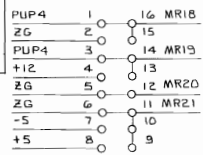
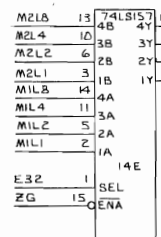
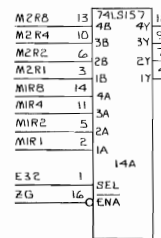
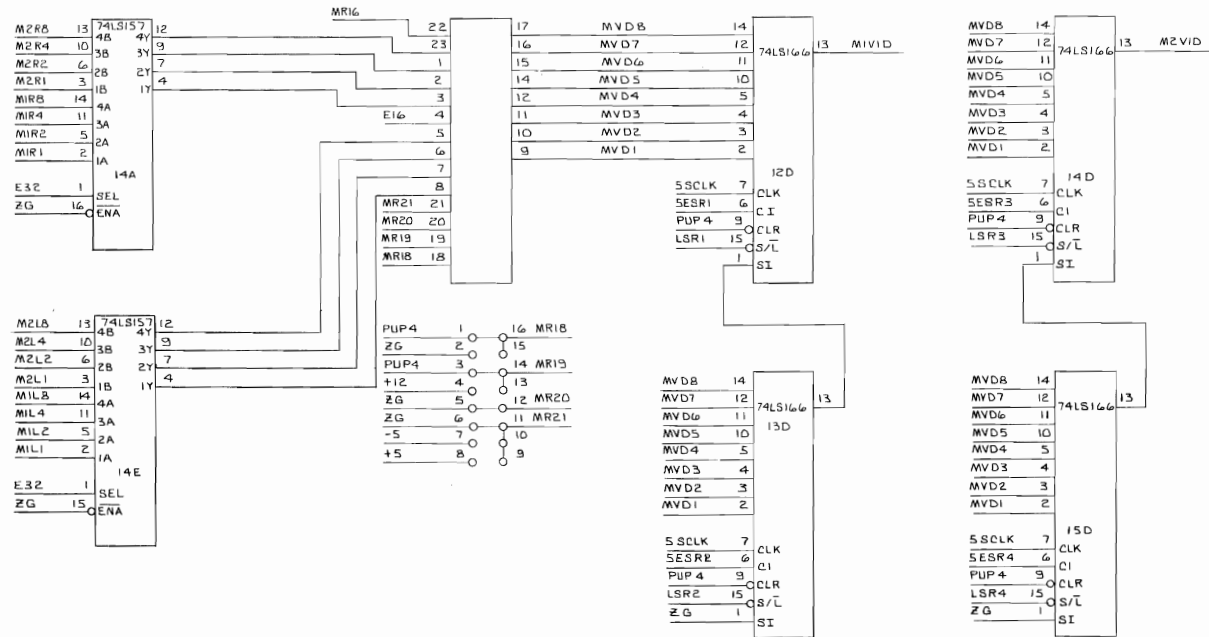
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4 OF 8		17-5361-11-A2	



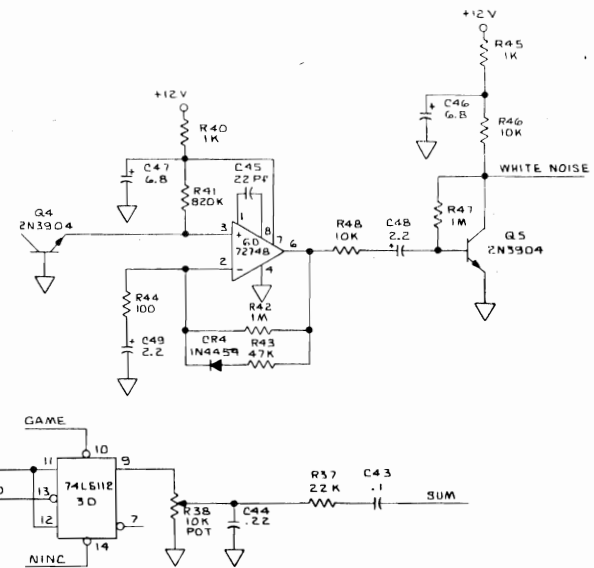
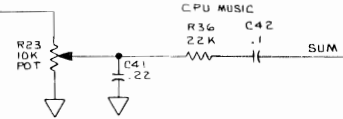
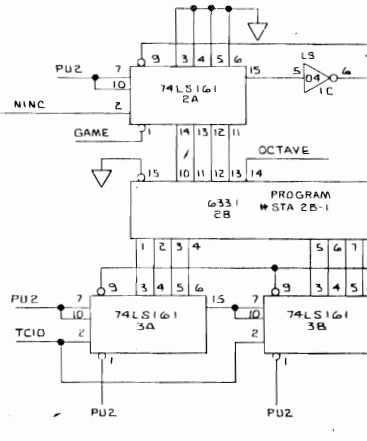
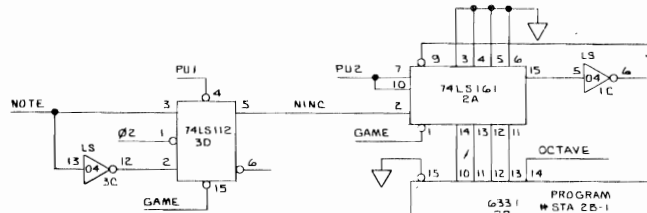
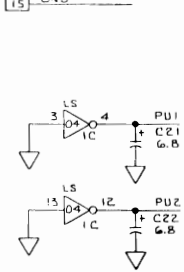
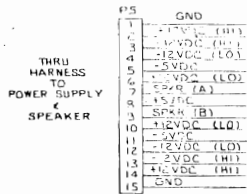
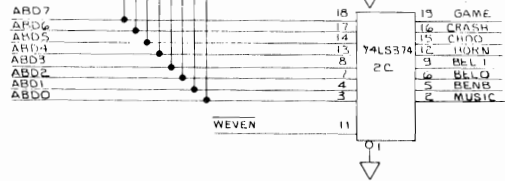
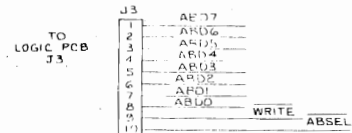
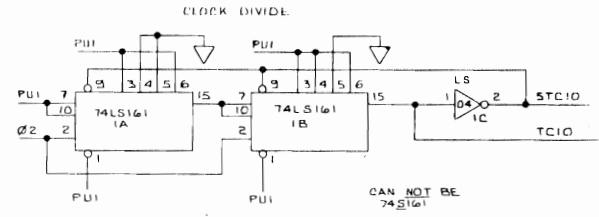
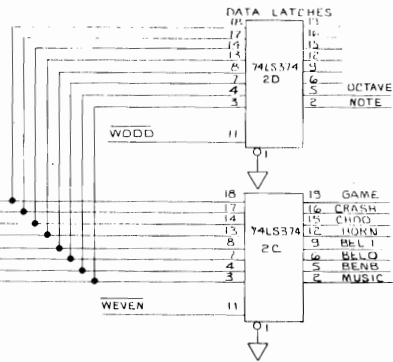
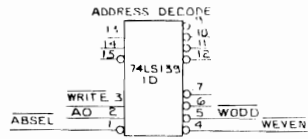
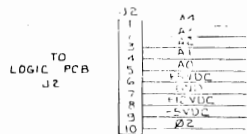
EXIDY INC.		
DATE: 12-14-79	APPROVED BY: <i>[Signature]</i>	DRAWN BY: <i>[Signature]</i>
UNIVERSAL GAME BOARD V2.0 CPU ROM		
5 OF 8		DRAWING NUMBER: 77-5364-11-A2



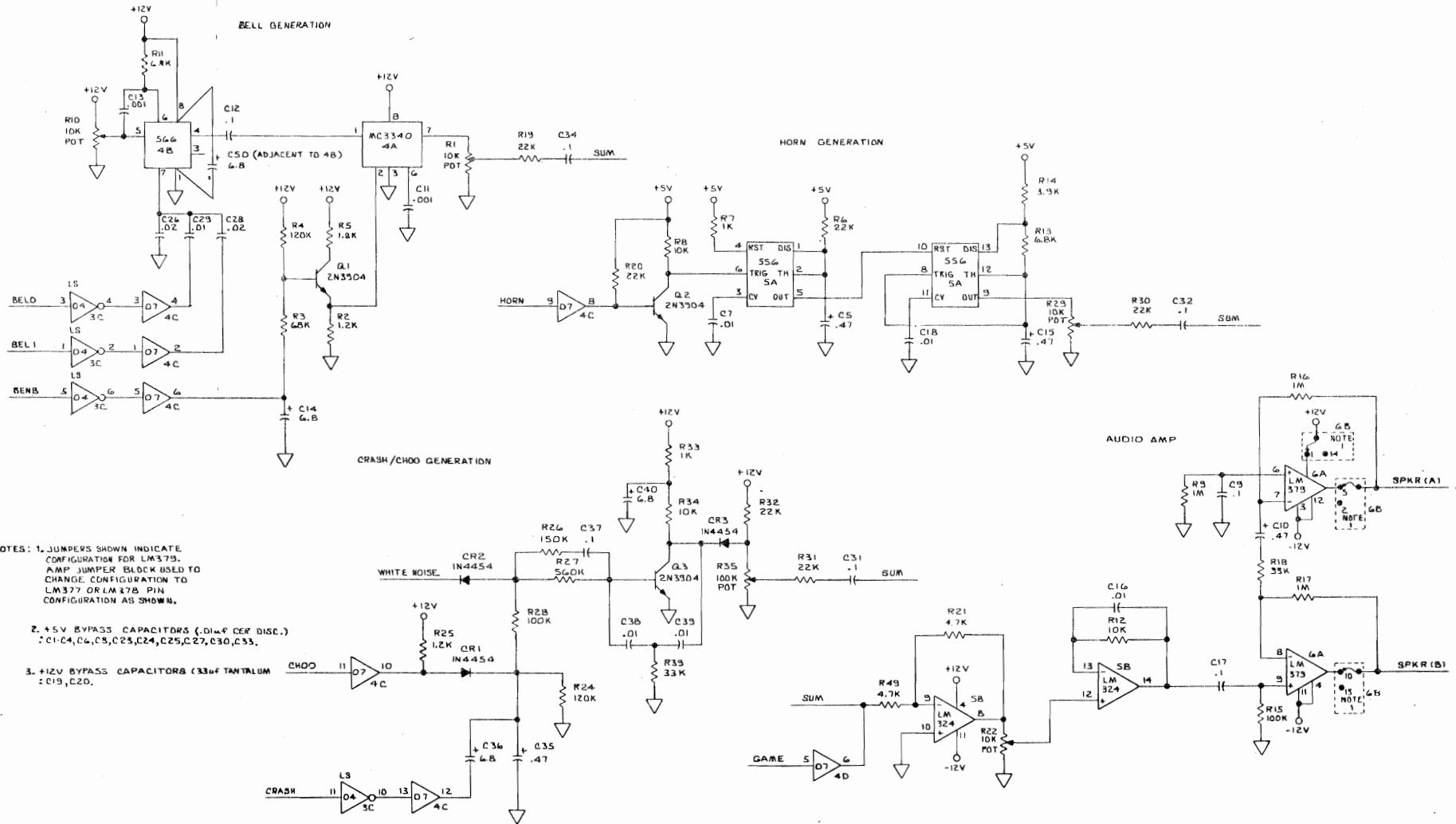
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DATE: 12-20-79	<i>W.M.C.</i>	REVISED:
UNIVERSAL GAME BOARD V2.0 MOVING OBJECT POSITION COUNTERS		
6 OF 8	DRAWING NUMBER:	77-3361-11-A2



SCALE:	APPROVED BY: <i>[Signature]</i>	DRAWN BY: <i>[Signature]</i>
DATE:	REVIEWED:	
UNIVERSAL GAME BOARD V2.0		
MOVING OBJECT VIDEO GENERATION		
7 OF 8	DRAWING NUMBER 77-3361-11-A2	



EXIDY INC.
 DATE: 12/11/79
 SIDE TRACK AUDIO
 10F 2



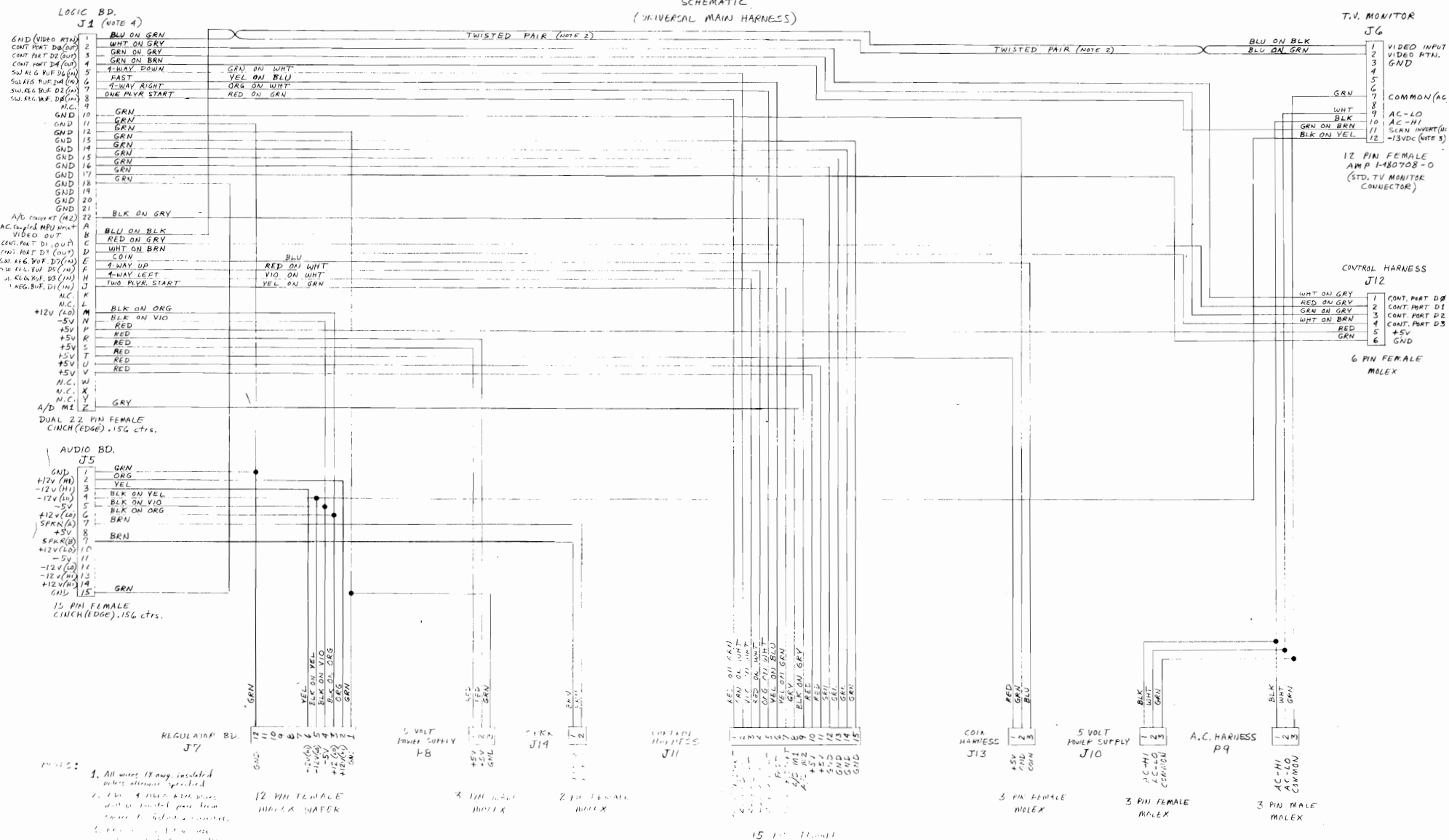
NOTES: 1. JUMPERS SHOWN INDICATE CONFIGURATION FOR LM379. AMP JUMPER BLOCK USED TO CHANGE CONFIGURATION TO LM377 OR LM378 PIN CONFIGURATION AS SHOWN.

2. +5V BYPASS CAPACITORS (.01µF CER DISC.) : C1-C4, C6, C8, C23, C24, C25, C27, C30, C33.

3. +12V BYPASS CAPACITORS (33µF TANTALUM) : C19, C20.

EXIDY INC.		
DATE: 12-11-78	APPROVED BY: <i>GRB</i>	DESIGNED BY: <i>GRB</i>
SIDE TRACK AUDIO		
2 OF 2		17-3265-11-A2

SIDE TRAK MAIN HARNESS SCHEMATIC (DRIVER'S MAIN HARNESS)

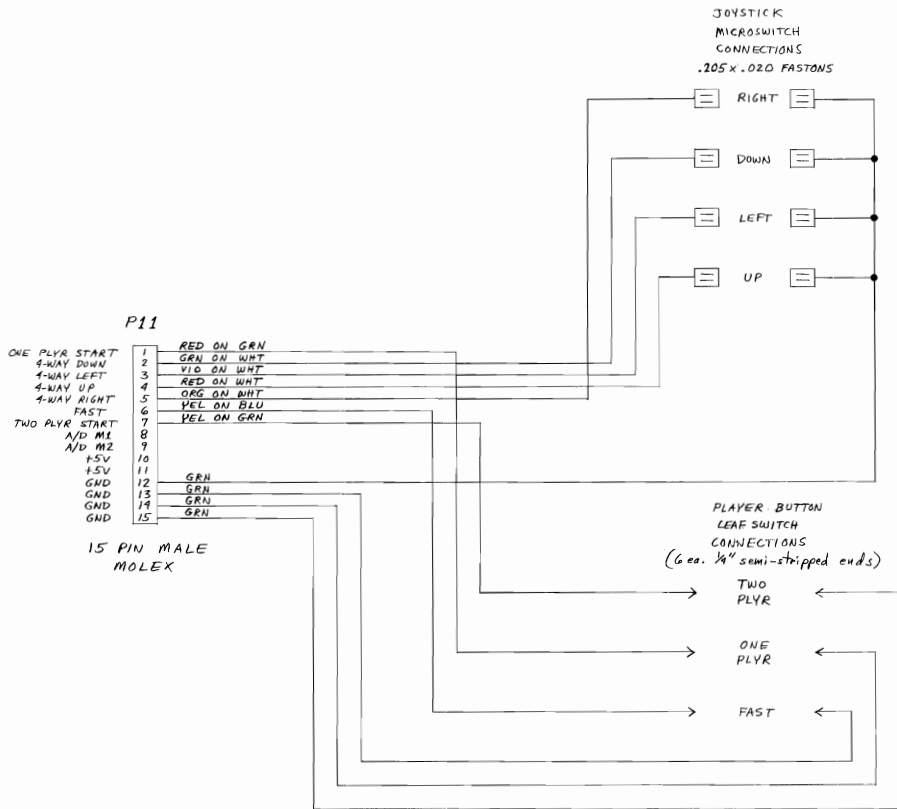


- NOTES:
- All wires 18 awg. insulated unless otherwise specified.
 - Use 4 pin. ATR cables when in contact with them.
 - Use 1/2" dia. heat shrink tubing.
 - Use 1/2" dia. heat shrink tubing.
 - Use 1/2" dia. heat shrink tubing.

ST 30-1157

11-6-79

SIDE TRAK
CONTROL PANEL HARNESS
SCHEMATIC

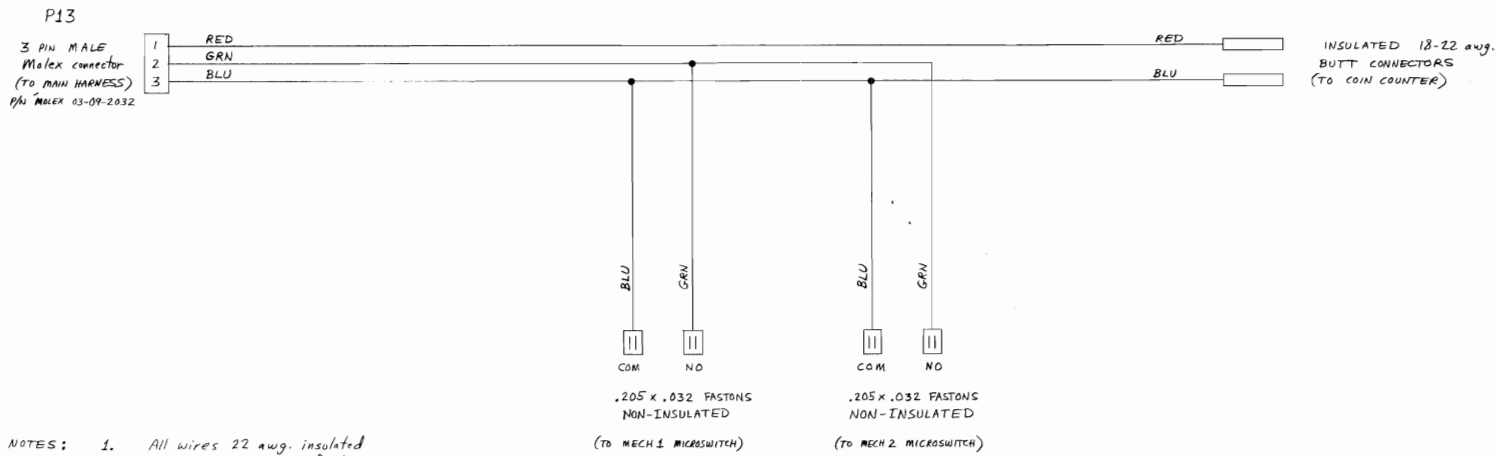


- NOTES:
1. All wires 22 awg. insulated unless otherwise specified.
 2. ABSOLUTELY NO SUBSTITUTIONS ON SPECIFIED WIRE COLORS

ST 30-3188

11-6-79

SIDE TRAK
 COIN HARNESS SCHEMATIC
 (UNIVERSAL COIN
 HARNESS)

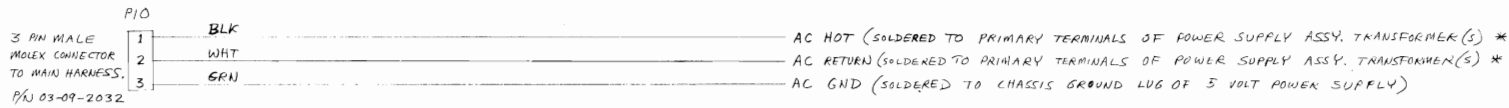


- NOTES:
1. All wires 22 awg. insulated unless otherwise specified.
 2. ABSOLUTELY NO SUBSTITUTIONS ON SPECIFIED WIRE COLORS

ST 30-3189

11-6-79

UNIVERSAL POWER SUPPLY ASSEMBLY
HARNESS SCHEMATIC



* Which transformer leads or terminals used varies with manufacturer and input AC voltage requirements

- NOTES: 1. All wires 18 awg insulated unless otherwise specified
2. ABSOLUTELY NO SUBSTITUTIONS on specified wire colors