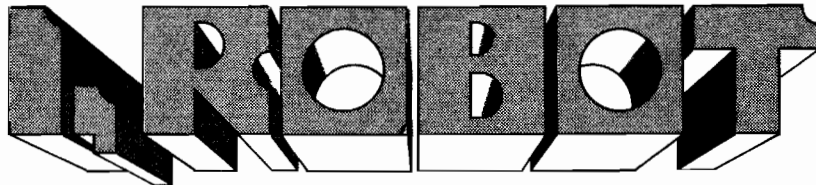


## Supplement to



### **Operators Manual (TM-251, 1st printing) and Schematic Package (SP-251, 1st printing)**

This Supplement provides documentation for revisions made to the items below:

- Table 1-2 Settings for Bonus Interval and Play Options
- Accounting and Options self-test screen
- Joystick self-test screens
- CPU and video printed-circuit boards
- EMI Shield PCB
- Cabinet-mounted assemblies
- Control panel hardware and start switch wire colors
- CPU and video PCB schematics

Keep this supplement with your I, ROBOT manual and schematic package for future reference.



## Table 1-2

Toggle Switch 8 has changed as follows:

<b>FROM:</b>	On	Doodle City for 2 Minutes 10 Seconds ◀
	Off	Doodle City for 3 Minutes 5 Seconds
<b>TO:</b>	On	English Game Prompts ◀
	Off	German Game Prompts

## Accounting and Options

A language option has been added to Screen 1—Accounting and Options. The game-play prompts can be set in either English or German. Also, Doodle City time limitations have been revised. The time can be set to between 1½ and 10 minutes by simultaneously pressing the START 1 button and moving the joystick while in Screen 1.

## Joystick Centering

The joystick centering screens have been revised to provide more detailed test readings. The joystick centering procedure will remain the same.

**Screen 3—Joystick Test 1** provides the X- and Y-axis decimal reading (instead of hexadecimal) of the joystick in the upper right hand corner.

**Screen 4—Joystick Test 2** provides minimum and maximum X- and Y-axis readings of the joystick. The screen also shows the present joystick reading in the *NOW* column. The joystick is centered if the number that appears in the *NOW* column is between the minimum and maximum readings.

## CPU Printed-Circuit Board

The following parts have been added to the CPU PCB

R84, R86	220 $\Omega$ , $\pm 5\%$ , ¼ W Resistor	110000-221
R85	620 $\Omega$ , $\pm 5\%$ , ¼ W Resistor	110000-621

Also, the 10 k $\Omega$  resistor at RN1 and RN2 is a 9-Pin resistor (not 10-Pin).

## Video Printed-Circuit Board

The following parts have been added to the Video PCB

C98	0.22 $\mu$ F, 25 V, Ceramic Capacitor	122004-224
CR2	Type-IN5818 Diode	131025-001

## EMI Shield PCB

EMI Shield PCB part number A037667-03 is used in the I, ROBOT game (not A037667-02). The EMI Shield PCB assembly drawing and its parts list are provided at the back of this Supplement.

## Cabinet-Mounted Assemblies

The changes to the Cabinet-Mounted Assemblies parts list are as follows:

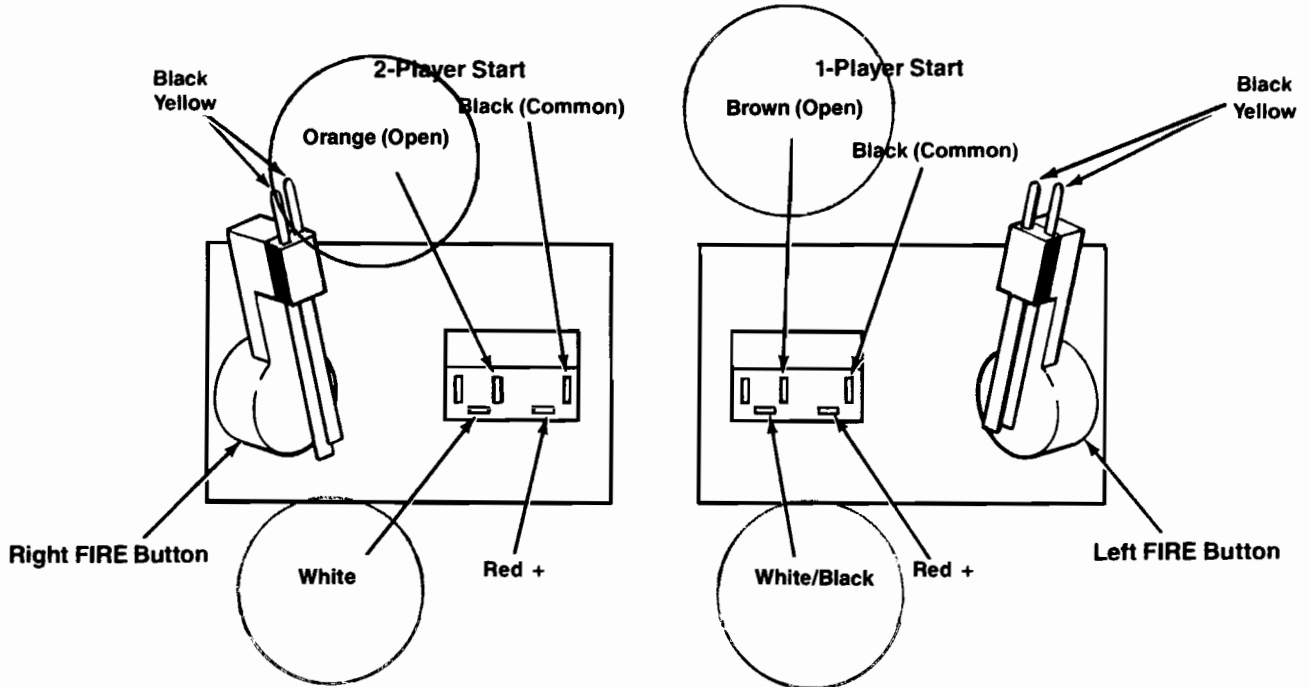
US-built games use power cord part no. **A042815-01**.

Ireland-built games use power cord part no. **A042815-02**.

## Control Panel

The Locknut (part no. 75-941S) has been replaced with a Nut/Washer Assembly (part no. 75-99511).

The start switch wire colors should be as follows:



## Schematic Package

Note the following changes to the I, ROBOT schematics:

### Sheet 3B (CPU Schematic):

FROM:

ABZ	4	AZ	
ABI	5	A1	4B
ABΦ	6	AD	
XSTORE	9	STR	
RECALL	10	RE	
SAVRAM	7	CS	
WRITE	11	WE	
		3D	

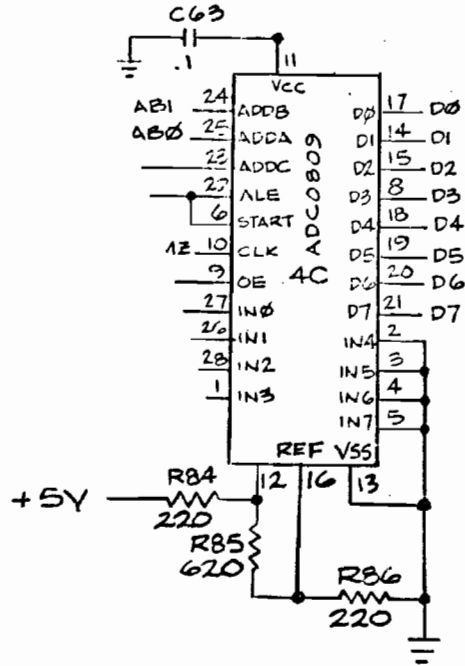
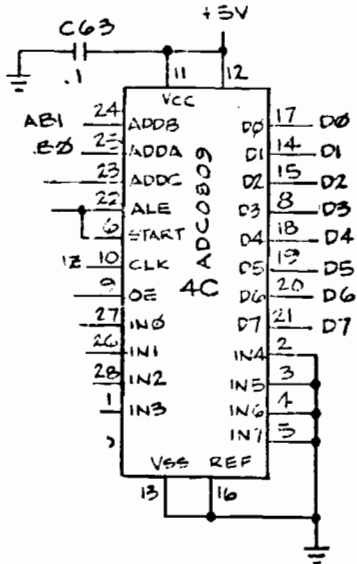
TO:

ABZ	4	AZ	
ABI	5	A1	4B
ABΦ	6	AD	
XSTORE	9	STR	
RECALL	10	RE	
SAVRAM	7	CS	
WRITE	11	WE	
		VSS	
		8	

Sheet 3B (CPU Schematic), continued:

FROM:

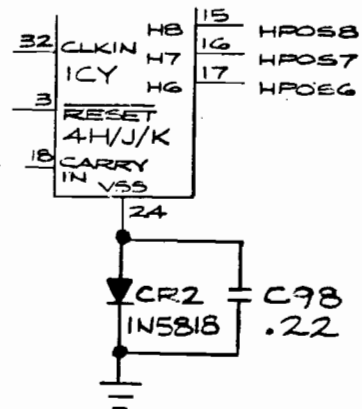
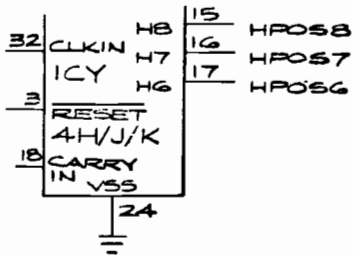
TO:

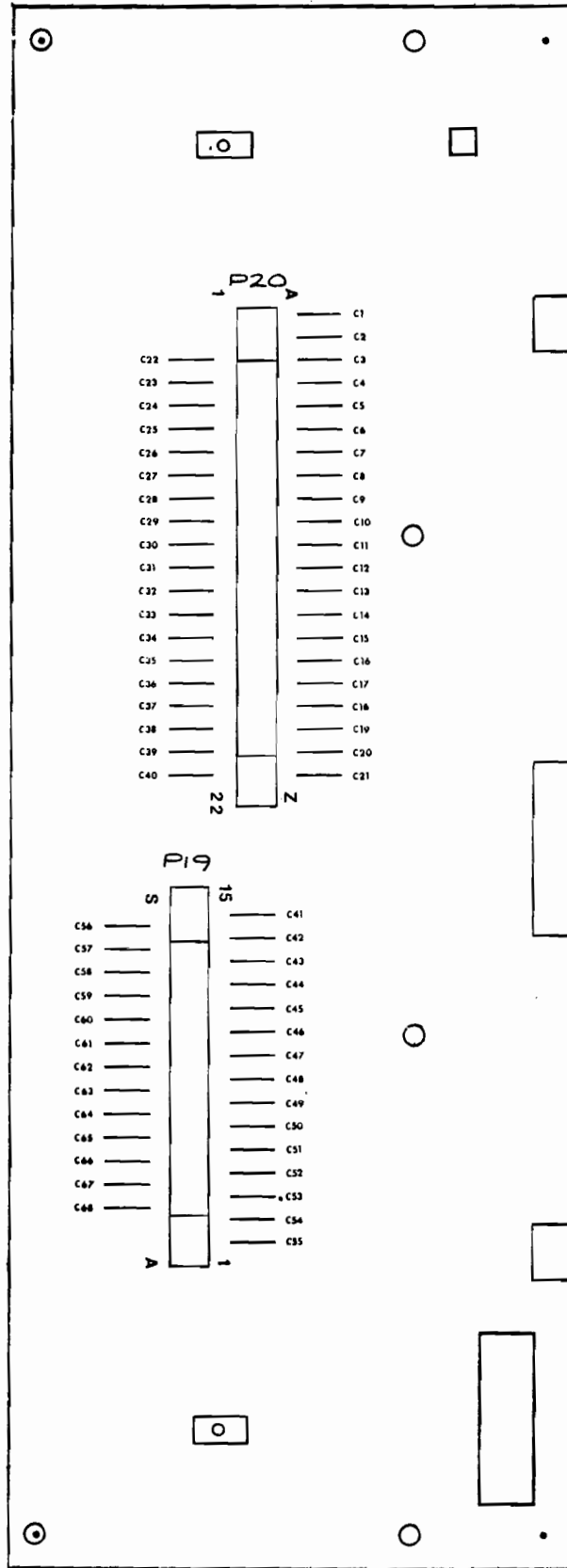


Sheet 10B (Video Schematic):

FROM:

TO:





**EMI Shield Printed-Circuit Board Assembly  
A037667-03 B**

## EMI Shield Printed-Circuit Board Parts List

Designator	Description	Part No.
<b>Capacitors</b>		
C1, C2	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C5	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C6-C8	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C10, C11	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C16-C18	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C20	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C21	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C23	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C25-C30	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C36	0.01 $\mu$ F, 25 V, Ceramic Capacitor	122005-103
C37	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C40	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C47	1000 pF, 100 V, Ceramic Capacitor	122016-102
C48-C51	470 pF, 100 V, Ceramic Capacitor	122016-471
C52, C53	1000 pF, 100 V, Ceramic Capacitor	122016-102
C54-C57	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
C64	0.1 $\mu$ F, 50 V, Ceramic Capacitor	122002-104
<b>Connectors</b>		
P19	30-Pin Connector (Acceptable substitute is part no. 179046-030)	179073-030
P20	44-Pin Connector (Acceptable substitute is part no. 179046-044)	179073-044