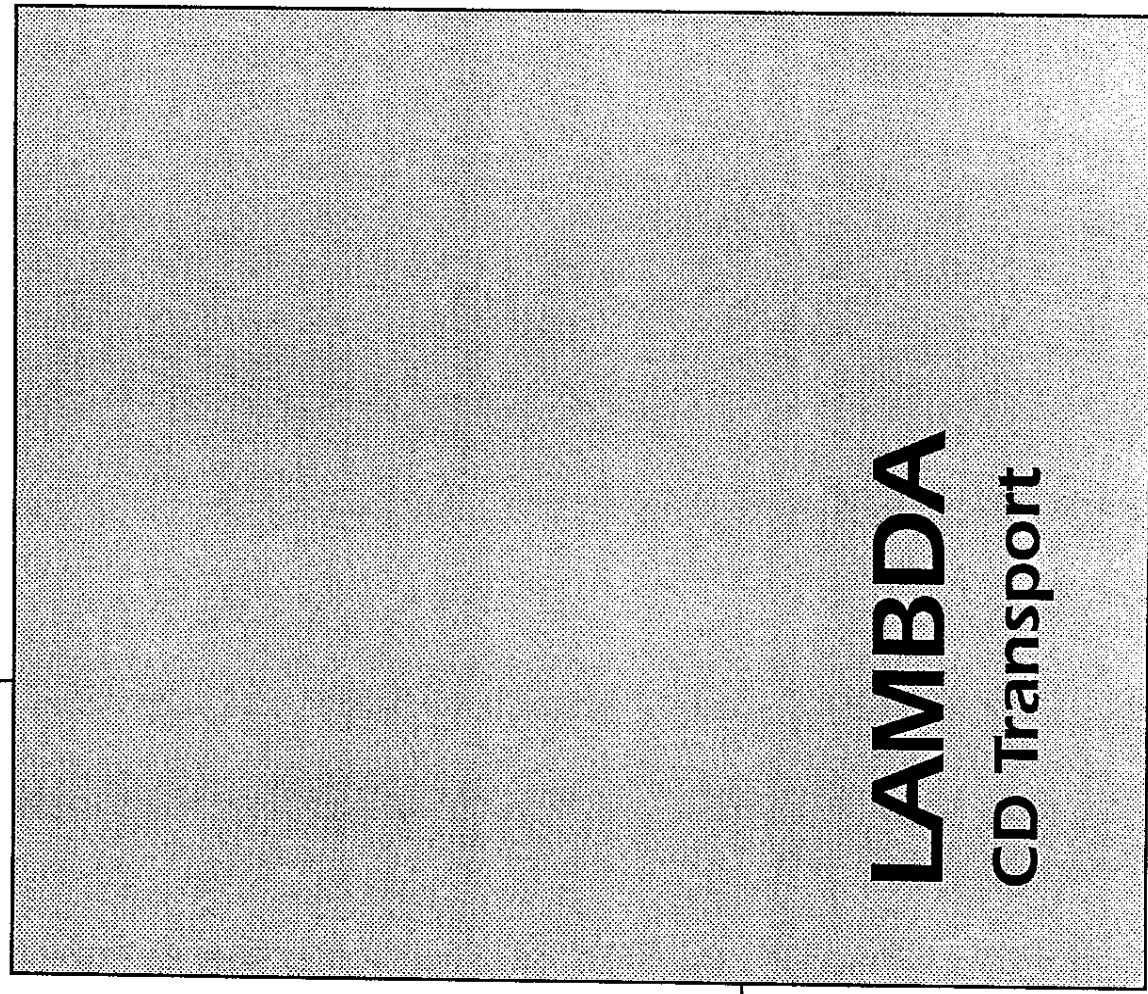


**PS Audio**

**Service Manual**



**LAMBDA**  
**CD Transport**

# TABLE OF CONTENTS

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## DESCRIPTION

1. List of tools required .....	2
2. Disassembly of Lambda CD Drive .....	3-4
3. Block diagram .....	5
5. Schematics .....	6-11



## TOOLS REQUIRED

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1. Phillips head #1 screwdriver
2. Phillips head #2 screwdriver
3. Solder iron
4. Solder wick
5. Solder sucker or equivalent
6. Hollow shaft nut driver #6
7. Digital multimeter

## DISASSEMBLY OF LAMBDA CD DRIVE

**Caution:** Before servicing any equipment, unplug unit from all electrical sources.

### I. STEPS TO REMOVE MAIN CIRCUIT BOARD.

1. Remove (10) screws securing TOP cover with a #2 Phillips screwdriver.
2. Desolder wires connecting (1) Tiffany RCA plug to Main circuit board.
3. Desolder (1) AES/EBU connector from Main circuit board. (Note: AES/EBU is an option. Some units may not have this type of connector.)
4. Carefully remove AT&T optical coupler from Main circuit board. (Note: AT&T is an option. Some units may not have this type of connector.)
5. Desolder (2) wires connected to "standby" label on the Main circuit board.
6. Unplug (3) flat ribbons from the Main circuit board.
7. Using a #2 Phillips screwdriver, remove (4) screws securing Main circuit board to chassis bottom.
8. Carefully remove Main circuit board from chassis, front end first.

### II. STEPS TO REMOVE POWER SUPPLY CIRCUIT BOARD.

1. Carefully unplug (2) female quick disconnects from ON/OFF switch.
2. Unplug (2) flat ribbons from circuit board.
3. Using a #1 Phillips screwdriver, remove (2) screws and bolts securing the IEC inlet unit.
4. Using a #2 Phillips screwdriver, remove (5) screws securing the Power Supply circuit board to chassis bottom.
5. Carefully remove circuit board from chassis, front end first.

**Caution:** Before servicing any equipment, unplug unit from all electrical sources.

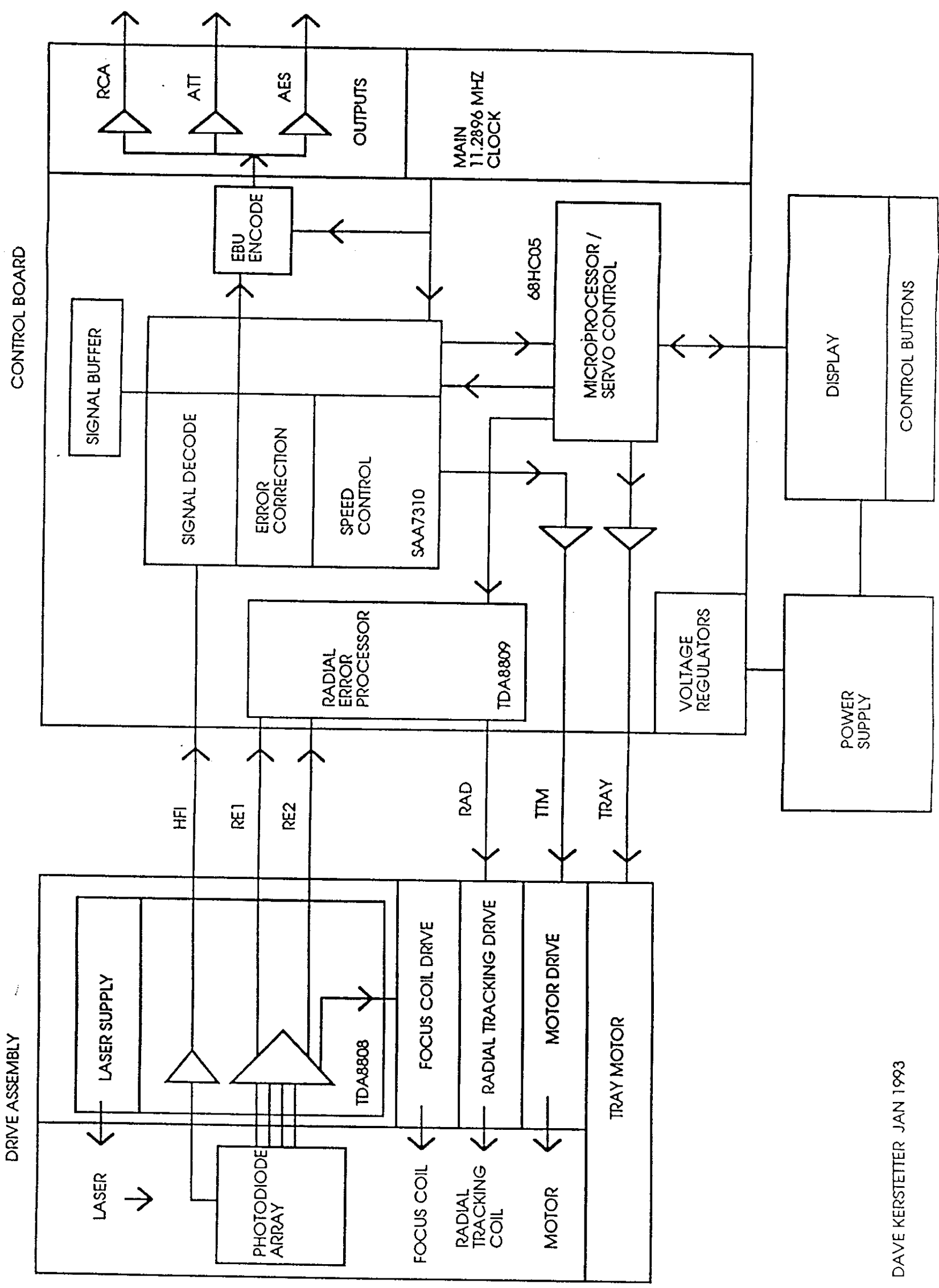
#### **II. STEPS TO REMOVE DISPLAY PANEL.**

1. Unplug (1) flat ribbon from vertical circuit board.
2. Desolder (2) wires connecting OPEN/CLOSE switch to vertical circuit board.
3. Using a #2 Phillips screwdriver, remove (4) screws securing Display Panel to front face plate.
4. Carefully remove Display Panel from front chassis.

#### **IV. STEPS TO REMOVE ON SWITCH, OPEN/CLOSE SWITCH.**

1. Desolder (2) wires connected to each small circuit board.
2. Using a #2 Phillips screwdriver, remove (2) screws (located behind PS Audio logo) on top and bottom securing the front face plate to chassis.
3. Using a #6 hollow shaft nut driver, remove (4) nuts securing the front face plate to main chassis.
4. Carefully remove face plate from main chassis. (Note: Gold buttons may fall out once the circuit boards are removed. Simply re-insert the buttons if accidentally removed.)

# CD PLAYER BLOCK DIAGRAM

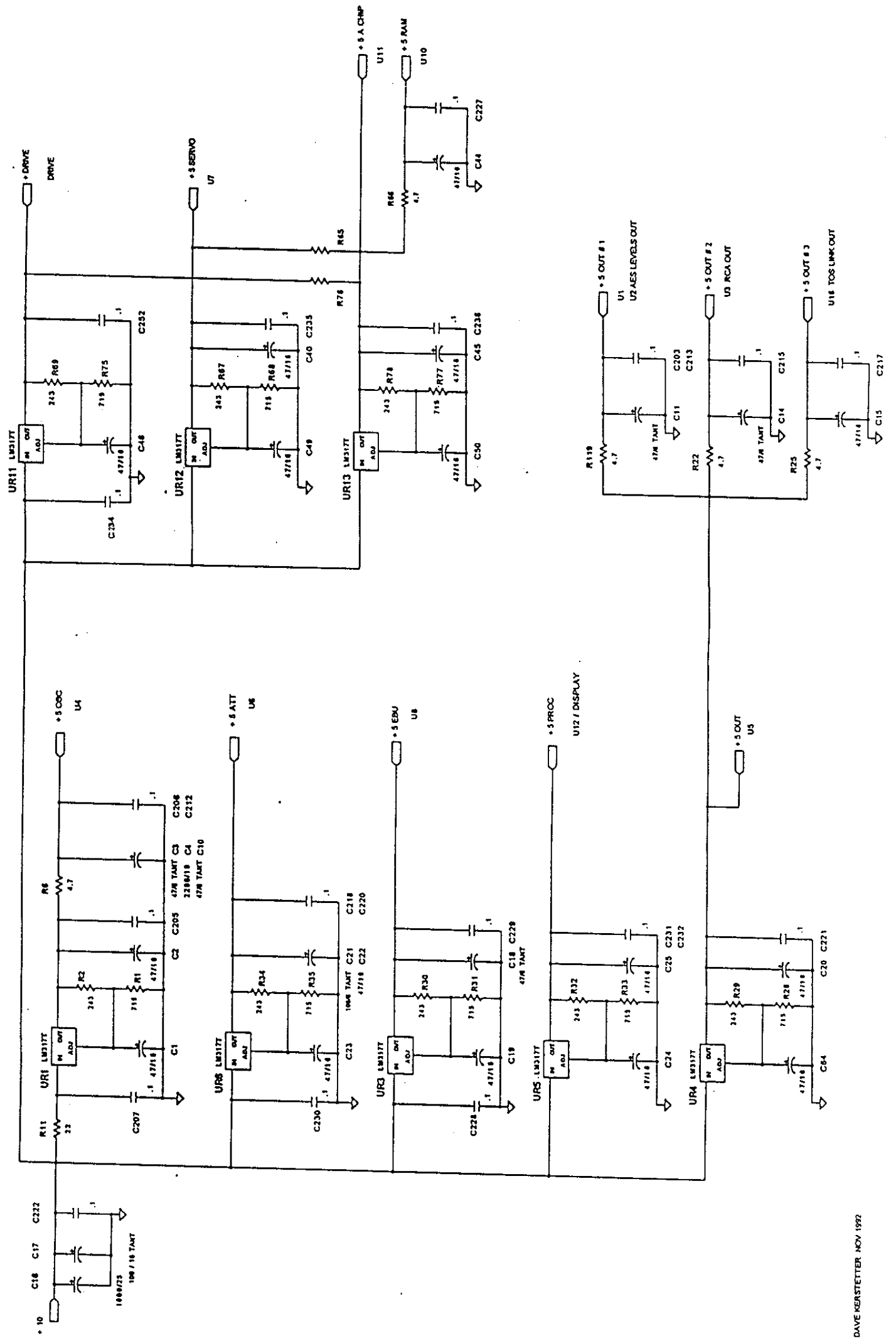


DAVE KERSTETTER JAN 1993



# PS 'LAMBDA' Control Board Power Supply Pg. 1

BOARD TL4









# PS 'LAMBDA' PLAYER SUPPLY

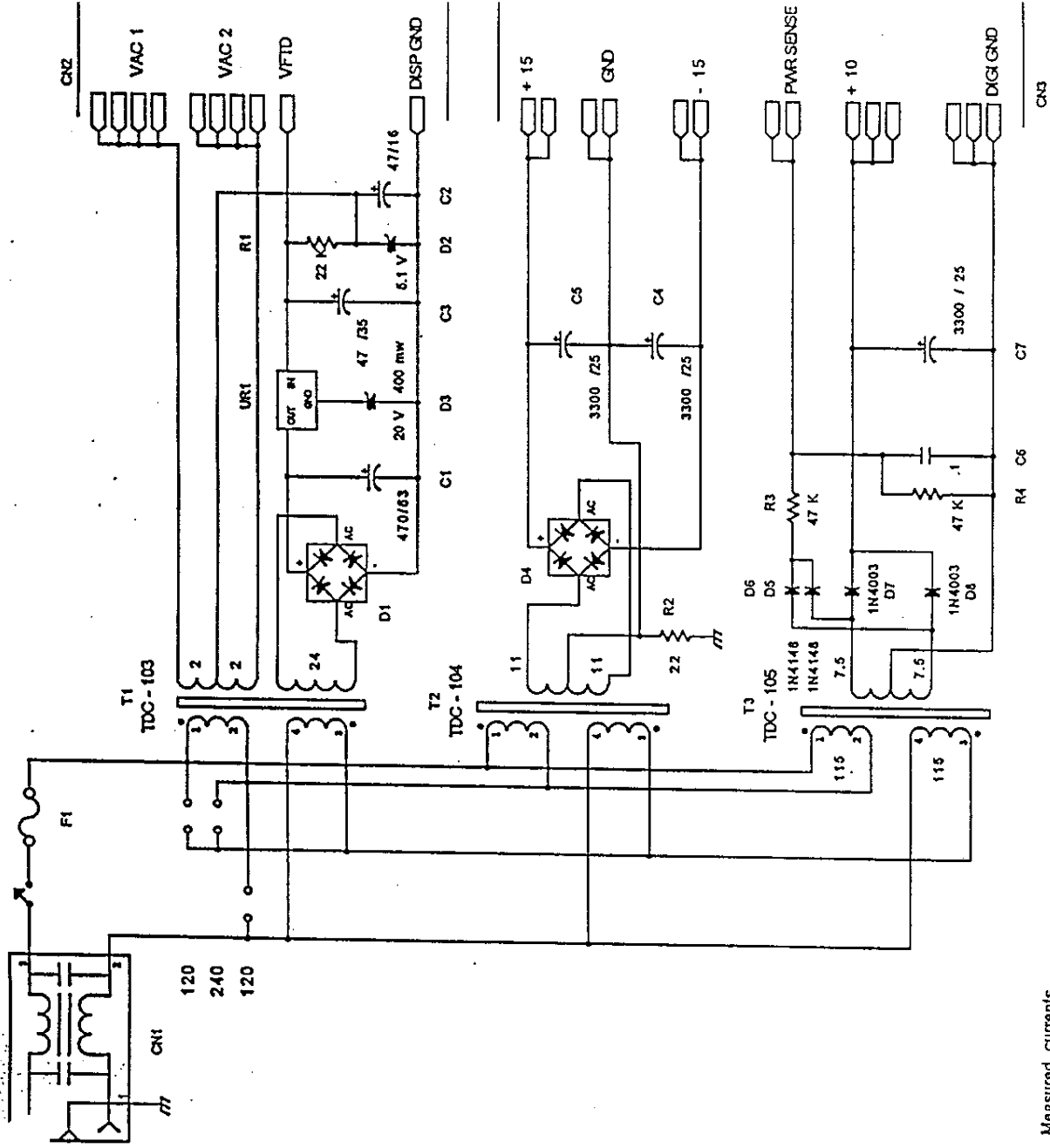
BOARD TL-3

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PS AUDIO INTL INC

720 406 8967

P.11



Measured currents

SIGNAL	CURRENT	POWERS
VAC 1 - VAC 2	250 MA AC	DISPLAY FILAMENT
+ 25	45 MA	DISPLAY / DISPLAY DRIVER
+15	300 MA MAX	[ +9V ALL ANALOG FUNCTIONS MOTORS +5 LOGIC
-15	300 MA MAX	
+ 10	400 ma MAX	

CN3

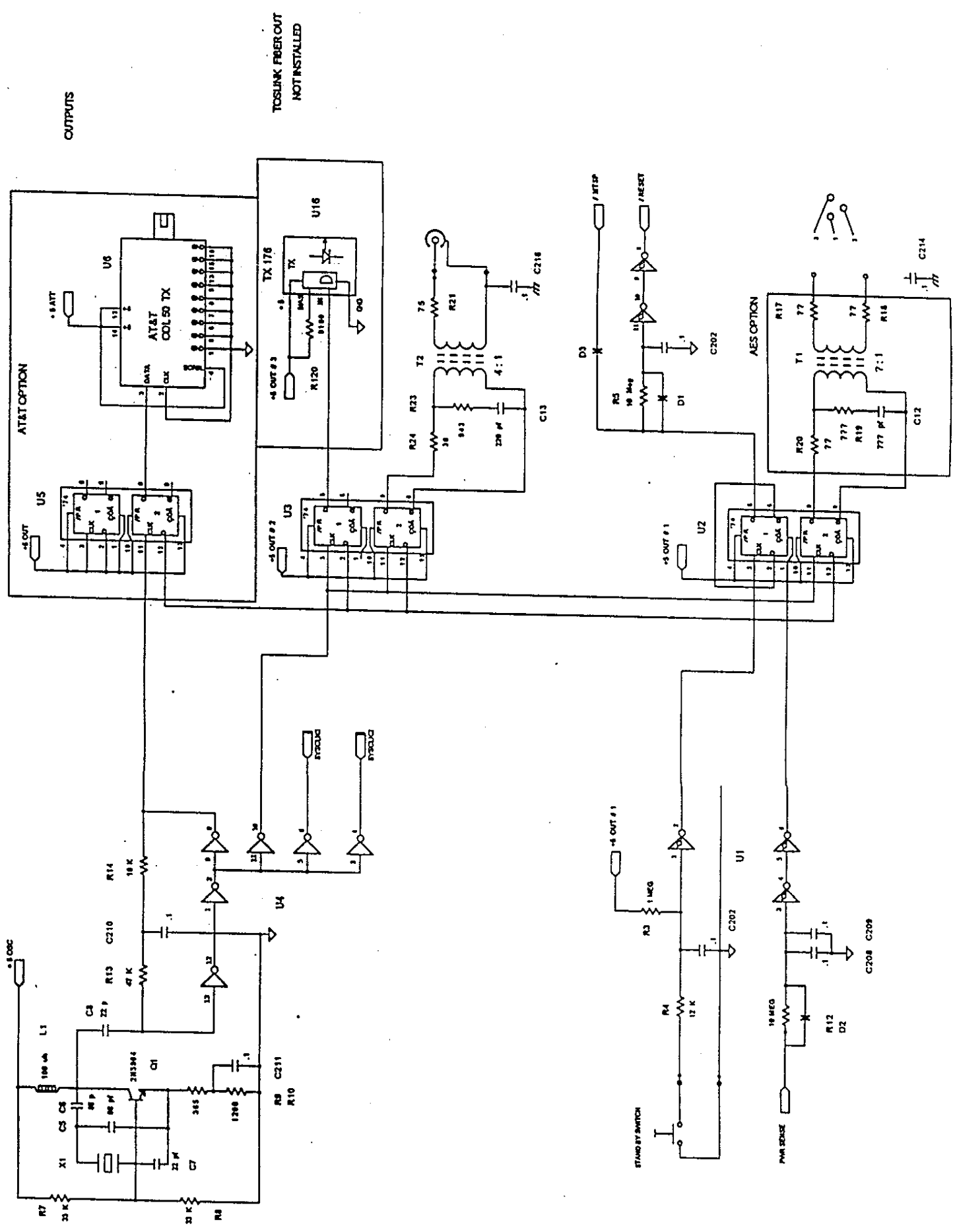
+10	+10
D GND	+10
D GND	D GND
SENSE	SENSE
GND	GND
-15	-15
+15	+15

CN2

VAC1	VAC1	VAC2	VAC2	VFTD
VAC1	VAC1	VAC2	VAC2	GND

# PS 'LAMBDA' Control Board Pg. 2

BOARD TL4



TOSLINK FIBER OUT  
NOT INSTALLED

DAVE KERSTETTER NOV 1992