RR-8.5: MOTOR DRIVER BOARD (pg 1 of 3)

Removal

- 1. Remove Enclosure Assembly (RR-1.3).
- 2. Tilt back Card Cage (RR-8.0).

Remove Motor Driver Board.

- Disconnect 15 Motor Driver Board cables.

Replacement

- Install Motor Driver Board:
- a. Place board into Card Guide and position over circuit board standoffs.
 - b. Press into place.

CAUTION!

Do not plug P13 into J11, or P11 into J13. Ensure P4 is connected to J4 on Motor Driver Board. (Connector P4 will also fit board connector J7, which is not used.)

2. Connect 15 Motor Driver Board cables.

4	Removal & Replacement Procedures	RR-8.5: Motor Driver Board
	LCx [®] Analyzer Service Manual (Text P/N 47278-102)	

PL-8	Block diagram:
	Motor Driver Bd.

-	_	,
		Chapter

Contents

Manual Contents

Screen

Index

4 - 94

CD Main

RR-8.5: Motor Driver Board (pg 2 of 3)

Replacement (cont)

- 3. Reposition and secure Card Cage.
- 4. Install Enclosure Assembly.
- 5. Observe Buffer Temp Voltage:
 - a. From READY menu, press:
 - MONITOR
 - HND CTRL
 - TEMP
 - b. Verify that voltage readings are not 0.0V or 5.0V.

Replacement, step 5 (cont)

- c. NEXT (to scroll through all temperatures)
- d. If any voltage is either 0.0V (shorted), or 5.0V (open), inspect the appropriate cable:

Buffer cable at Motor Driver J12
Air cable at Motor Driver J11

Remote cable at Motor Driver J16
Optics cable at Motor Driver J14
Reagent cable at Motor Driver J13

4 - 95

DILUENT TEM	9 3	(5) 10) 1	0 2.	9 4 3 V	ON
NEXT		HEAT_C	N		XIT

RR8-5a.ds4

4 Removal & Replacement Procedures RR-8.5: Motor Driver Board LCx[®] Analyzer Service Manual (Text P/N 47278-102)

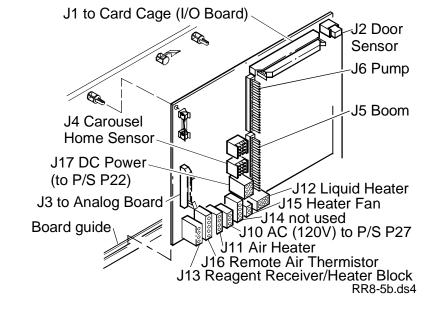
PL-8 Block diagram: Motor Driver Bd. Chapter Manual CD Main Index Contents Contents Screen

RR-8.5: Motor Driver Board (pg 3 of 3)

Verification

Perform these procedures:

- Dispense Check (VP-13)
- MEIA Temperature Check (VP-28)
- Boom Check (VP-7)



4 Removal & Replacement Procedures RR-8.5: Motor Driver Board 4 - 96
LCx® Analyzer Service Manual (Text P/N 47278-102)

PL-8	Block diagram:
	Motor Driver Bd.

Chapter	Manual	CD Main	Index
Contents	Contents	Screen	