HTA/COBRA A/S

6 CHANNEL DATA

DIGITAL OUT

H G F E D C B A GD

DIGITAL IN

4 3 2 1

ANALOG OUT

3 2 1
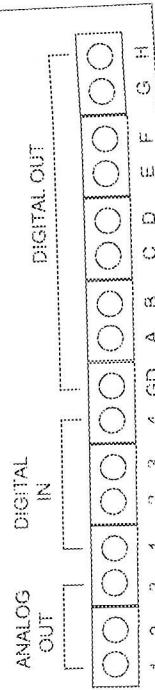
RED/ORG WIRE (A/S FUNCTION)

GRN/BLK WIRE (A/S START RUN)
SOLDER WITH GRN/BLK WIRE FROM
DISPLAY START RUN,
AND SAME TERMINAL ON THE DATA
BOARD.

**RELAY**

1
2
3
4
5
6
7
8
9
10
11
12

COBRA / HTA RELAY BOARD
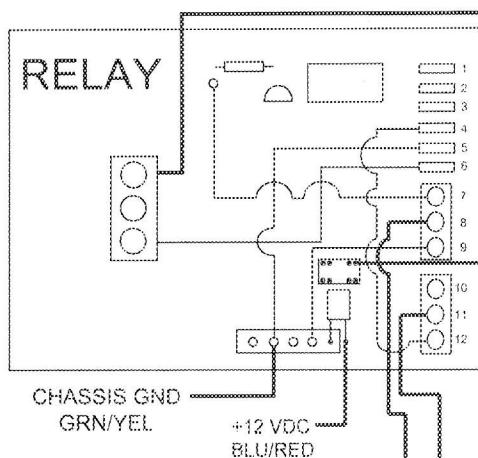
JUMPERS

COBRA
7-8 & 10-11

HTA
8-9 & 11-12

CHASSIS GND
GRN/YEL

+12 VDC
BLU/RED

GREY

AUTOSAMPLER I.F.
INTERFACE.

WHT/GRY

VERTICAL OVEN BOARD

D VACUUM PUMP	(OFF / ON)	
E PURGE GAS	(OFF / ON)	
F TRAP 1 HEAT	(OFF / ON)	
G VALVE #1	(LOAD / INJECT)	
H READY INHIBIT	(OFF / ON)	

COBRA AUTOSAMPLER

START N.O.
START COM.
GC READY
5 VDC
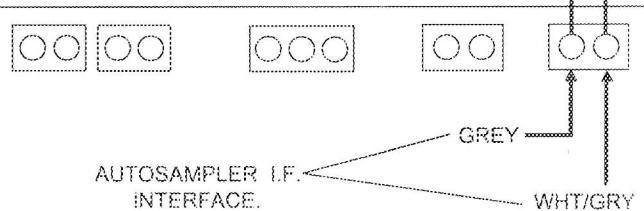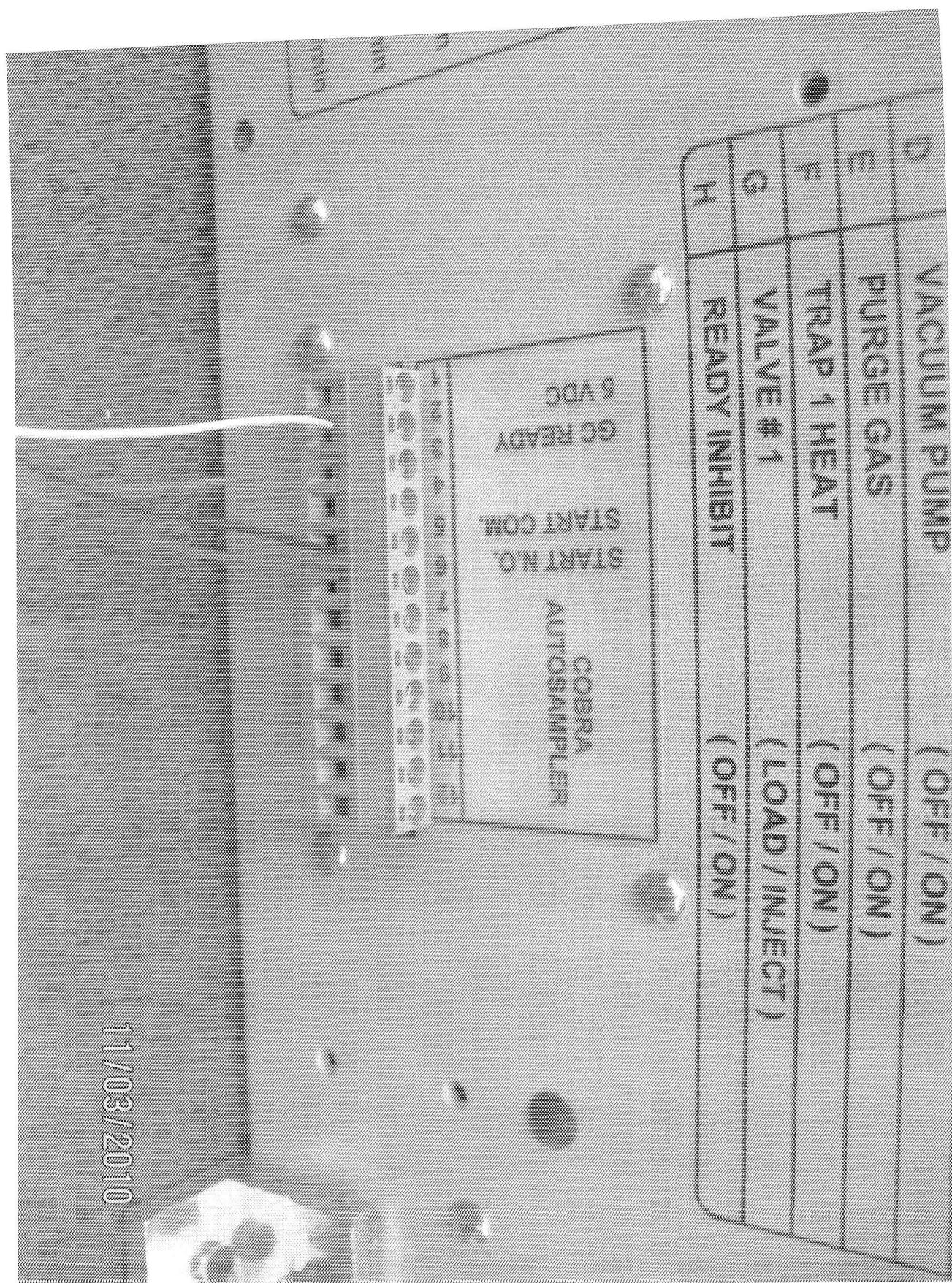
The Cobra L/S has a 25 pin "D" connector on the rear of the cabinet for External I/O connections. i.e. GC Ready, GC Start, Data Start, etc. The following is a list and pin locations for the signals. Note: the Cobra L/S is supplied with an External I/O cable that will be specific to your GC system however, not all functions shown will be wired in your cable. Be certain the cable you received is correct for your system, see Figure 9.0 for complete cable connections.

Pin # Cobra	Signal	Pin# G.C.
— 24	Signal Ground	
	In 1 Ground	
	In 2 Ground	
	In 3 Ground	
	GC Start N/O	6 Red
	GC Start N/C	
	Data Start Com	
	Auxiliary N/O	
	Auxiliary N/C	
4	GC Ready Input	3 Green
8	GC Start Com	5 Black
9	Data Start N/O	
0	Data Start N/C	
1	Auxiliary Com	
2	Spare Out N/O	
3	Spare Out N/C	
4 — 1	Ground	
5	5 VDC Out	2 White

0.0 Remote Control (RS 232 Serial Link)

The Cobra L/S can be Remote Controlled through its Serial Interface Link, labeled "RS 232." This may be accomplished in either the "Remote or Local" Mode (this is programmed in the Methods). Commands may be received from either the Host PC or the keypad, however the keypad is LOCKED out with a message on the on the LCD while the PC is programming. The Cobra L/S is started by a signal generated by either the GC Ready signal, the Host PC or the keypad.

The Cobra L/S requires a 9 conductor cable to Receive, Transmit and Ground, fed straight through. If you do not have a cable consult the factory. Plug the cable into the 9 position "D" connector on the rear of the Cobra L/S labeled "RS 232" and then into the 9 pin serial connector on the rear of your PC.