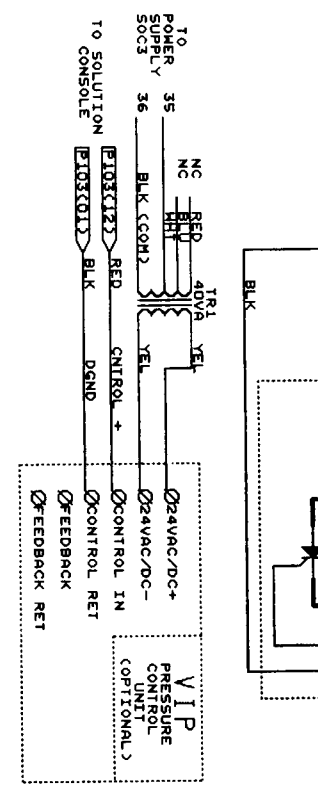
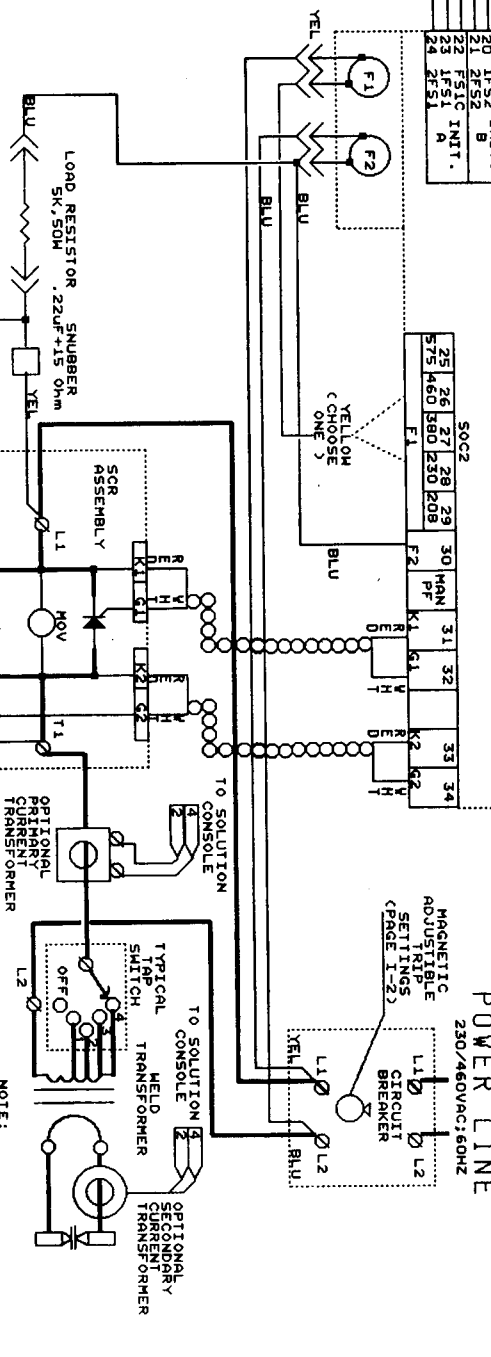
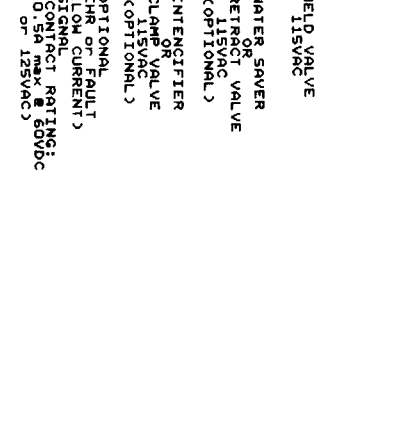
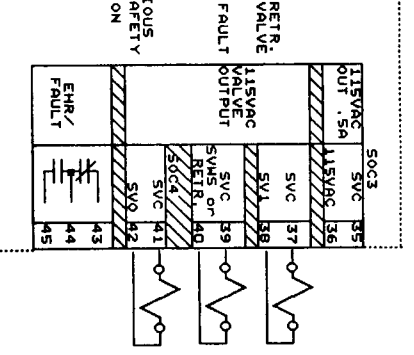
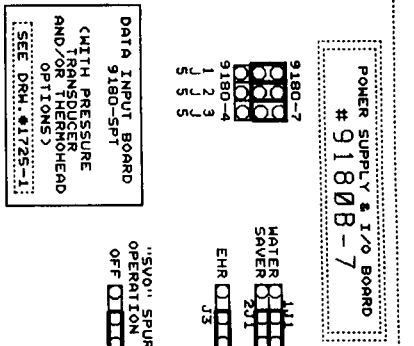
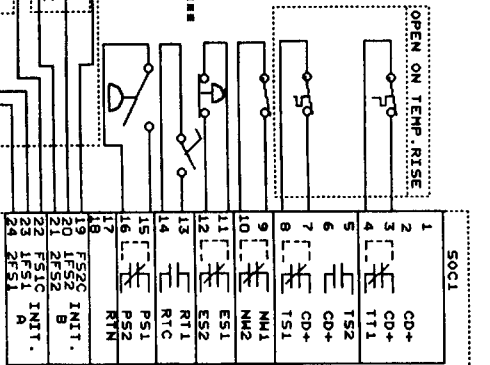
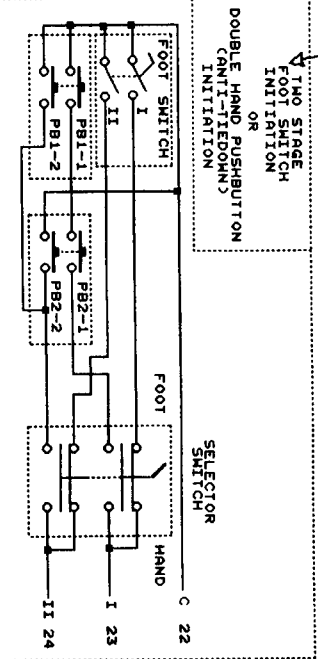
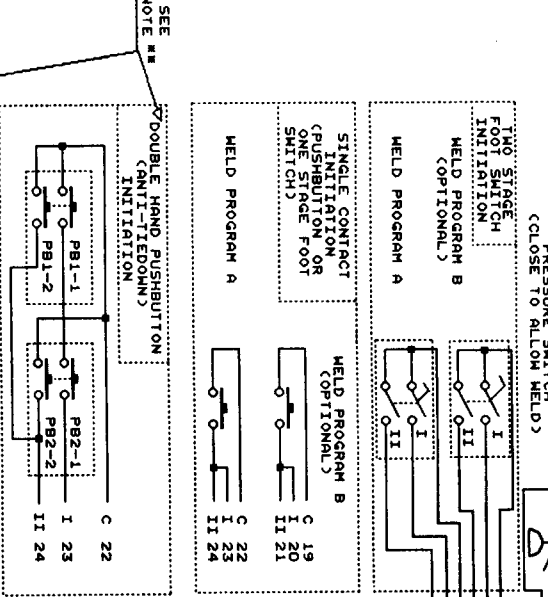


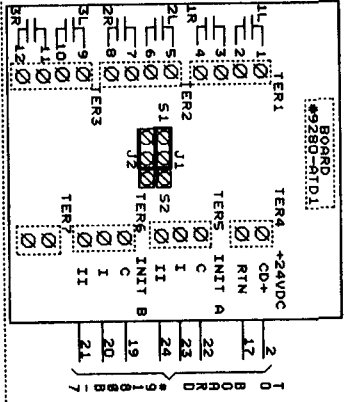
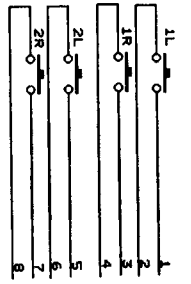
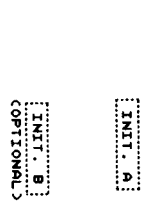
LIGHT CURTAIN (TO ACTIVATE)
 OR
 RETRACT FOOT SWITCH (TO DEACTIVATE)
 PRESSURE SWITCH (CLOSE TO ALLOW WELD)
 NO WELD SWITCH (OPEN TO PREVENT WELD)
 EMERGENCY STOP PUSH-BUTTON (NO LOCKOUT) (OPEN TO STOP)
 SCRATCH TEMP. SENSOR
 TRANSFORMER TEMP. SENSOR
 SCRATCH TEMP. SENSOR



NOTE:
 IF NOT USED PLACE JUMPER BETWEEN CORRESPONDING TERMINALS AS SHOWN ON SOCI LEGEND.
 SEE DOC. #1799-B7 ANTI-TIEDOWN INITIATION USING PHOTOELECTRIC TOUCH SWITCHES OR SINGLE POLE TECHNICAL MANUALS OR RETRACT SWITCH GO TO "SOLUTION" CONTROL AS FOLLOWS: CORRESPONDING INPUT FUNCTION.
 UNITROL ELECTRONICS INC.
 702 LANDMEHR RD.
 NORTHERTON, IL 60062
 T11
 SOLUTION HOOK-UP DIAGRAM -AC WAVE OUTPUT
 Size Document Number 1812-87-AC
 REV 2
 Date: January 8, 2001 Sheet 1 of 1

MECHANICAL PUSHBUTTONS

TYPE OF
PUSHBUTTONS
1L, 1R & 2L, 2R:
MECHANICAL ACTION,
MOMENTARY ACTION,
N. O. CONTACT

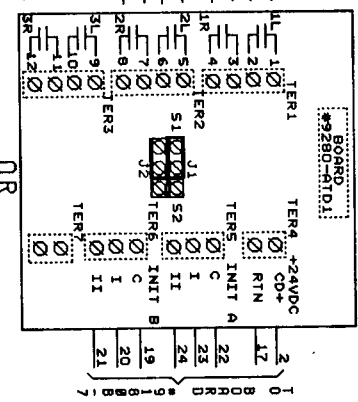
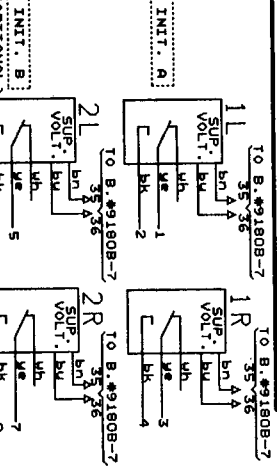


NON-MECHANICAL TOUCH BUTTONS

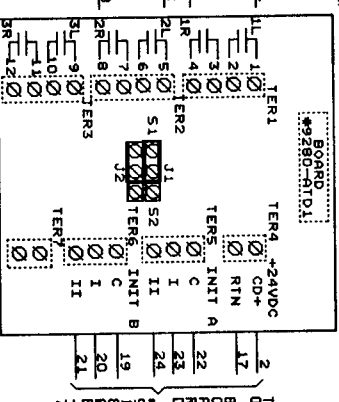
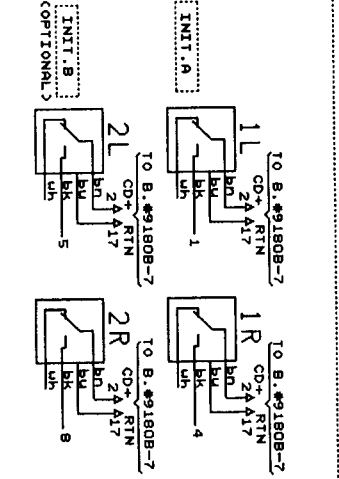
WARNING!

LIKE MOST SOLID-STATE DEVICES NON-MECHANICAL TOUCH BUTTONS ARE AS EQUALLY LIKELY TO FAIL IN THE CONDUCTING ("ON") STATE AS IN THE NON-CONDUCTING ("OFF") STATE. THEREFORE, NON-MECHANICAL TOUCH BUTTONS ARE USED TO INITIATE YOUR PROGRAM. IF A FALSE OPERATION COULD BE DANGEROUS, PLEASE PROVIDE AN APPROPRIATE GUARDING DEVICES OR RELATED SAFETY CONTROLS. NON-MECHANICAL TOUCH BUTTONS MUST BE INSTALLED AND MAINTAINED TO MEET ALL APPROPRIATE OSHA AND ANSI B11 MACHINE SAFETY STANDARDS.

TYPE OF
TOUCH BUTTONS
1L, 1R & 2L, 2R:
"OPTO-TOUCH"
PHOTOELECTRIC SWITCHES WITH ELECTROMECHANICAL RELAY ACTION,
MOMENTARY ACTION,
("BANNER" MOD. OTBAS OR EQUIVALENT)
Supply Voltage 120VAC.



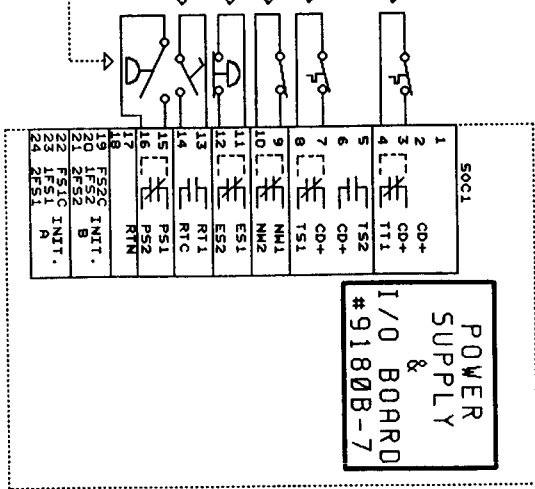
TYPE OF
TOUCH BUTTONS
1L, 1R & 2L, 2R:
PHOTOELECTRIC SWITCHES WITH SOLID STATE OUTPUT
("OPTO-TOUCH")
MOMENTARY ACTION,
("BANNER" MOD. OTBAS OR EQUIVALENT)
Supply Voltage 10-30VDC.



DOUBLE HAND PUSHBUTTON ANTI-TIEDOWN INITIATION

USING SINGLE POLE SWITCHES
REQUIRES OPTION BOARD #9280-RTD1

- TRANSFORMER ("N.C." CONTACT) OPEN IF OVERT.
- SCREEN TEMP. SENSOR OPEN IF OVERT.
- NO WELD SWITCH (NO WELD TO PREVENT EMERGENCY STOP)
- PUSH-BUTTON ("N.C." CONTACT) OPEN TO START
- LOGIC CURTAIN (TO DEACTIVATE RETRACTION SWITCH OR LATCHED CONTACT)
- PRESSURE SWITCH (PRESSURE TO ALLOW WELD)



POWER SUPPLY & I/O BOARD #9180B-7

1	CD+
2	CD+
3	TT1
4	TT1
5	T52
6	CD+
7	CD+
8	T51
9	NM1
10	NM2
11	ES1
12	ES2
13	RT1
14	RT1
15	PS1
16	PS2
17	RTN
18	ES2C INT.
20	ES2C B
21	ES2C INT.
22	ES1C INT.
23	ES1C INT.
24	ES1C INT.
25	ES1C INT.

NOTE:
* IF NOT USED PLACE JUMPER BETWEEN SOCIAL LEGEND, OBTAIN OR RETRACT SWITCH GO TO PROGRAM 87/93 AND CHOOSE CORRESPONDING INPUT FUNCTION.