

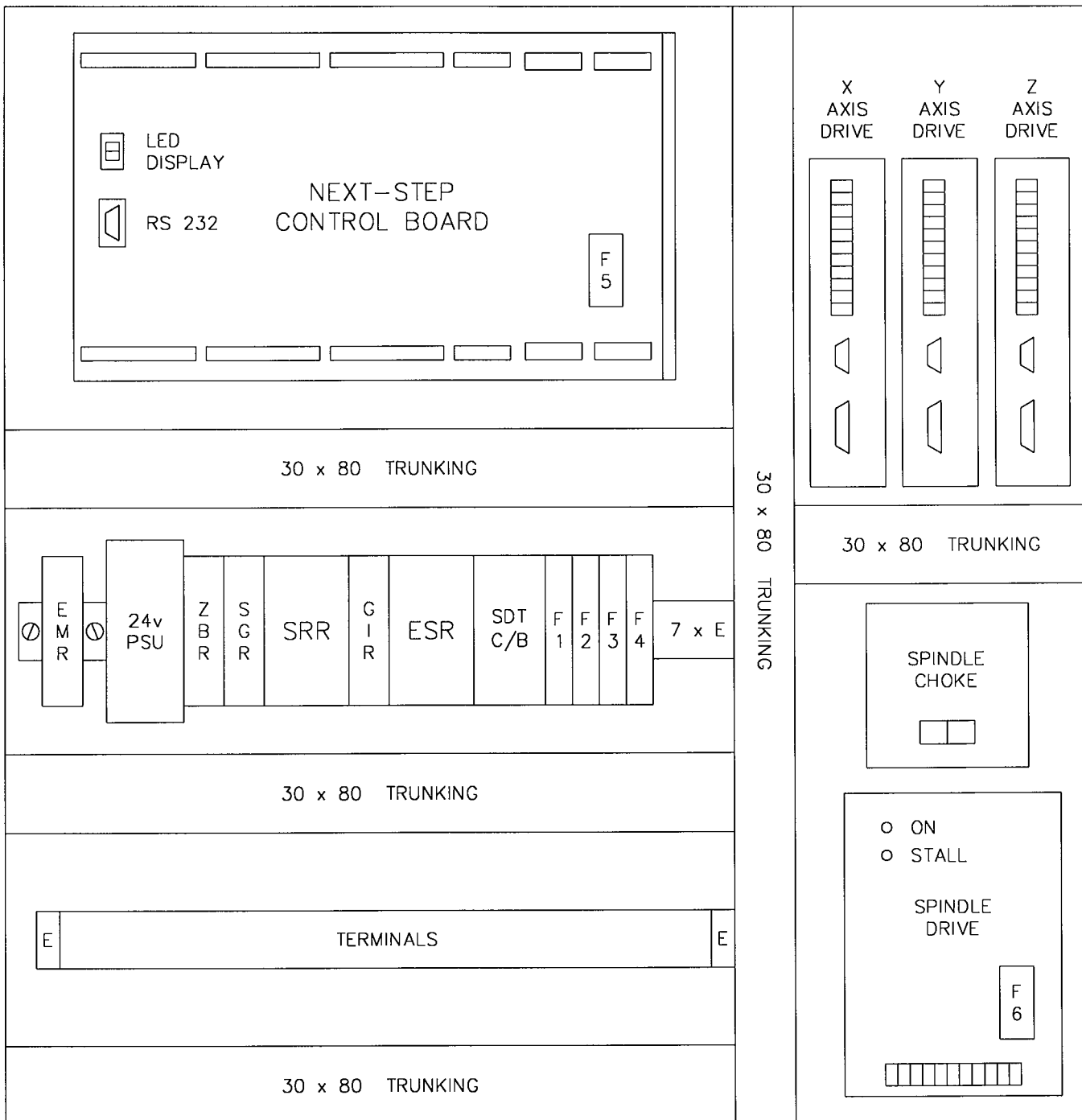
TRITON STEPPER

110v MAINS

11-4-2003

SHEET 1	TS 110 - 1 A	POWER SCHEMATIC
SHEET 2	TS 110 - 2 B	PANEL LAYOUT
SHEET 3	TS 110 - 3 C	RELAY, FUSE AND CIRCUIT BREAKER WIRING DETAILS EMERGENCY STOP CIRCUIT AND Z-AXIS BRAKE WIRNG
SHEET 4	TS 110 - 4 B	TERMINAL AND SPRINT 1200 WIRING DETAILS
SHEET 5	TS 110 - 5	NEXT-STEP WIRING DETAILS
SHEET 6	TS 110 - 6 A	AXIS DRIVE WIRING
SHEET 7	TS 110 - 7	GUARD SWITCH, AXIS AND SPINDLE MOTOR WIRING
SHEET 8	TS 110 - 8	E-STOP P/B, POTS AND DATUM WIRING



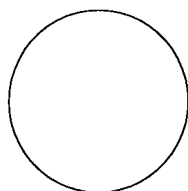


AXIS DRIVE TRANSFORMER

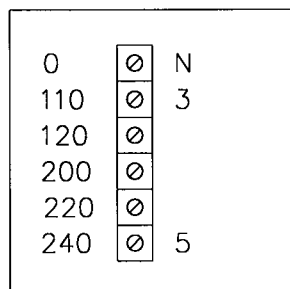
RECTIFIER



CAPACITOR



TRANSFORMERS AND DRIVE COMPONENTS ON BOTTOM OF CABINET

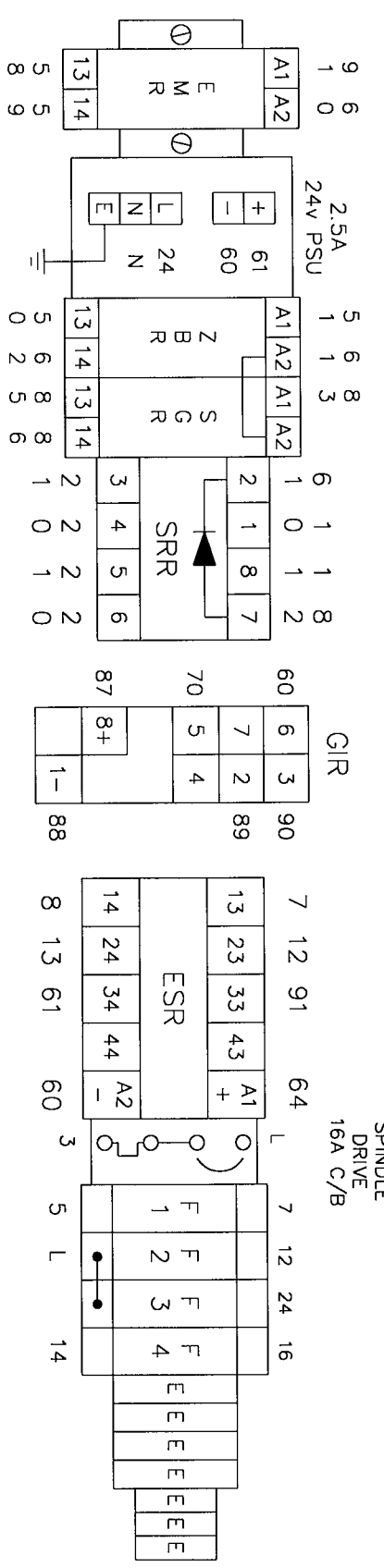
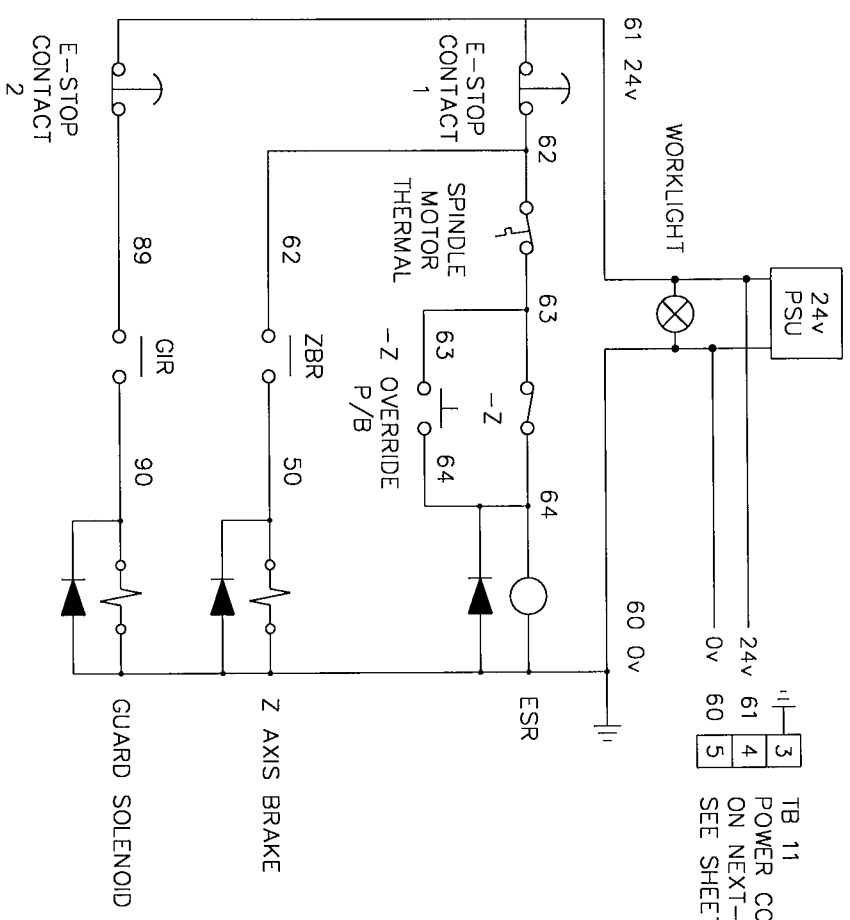


SPINDLE DRIVE TRANSFORMER MOUNTED TO RIGHT OF ELECTRICAL PLATE

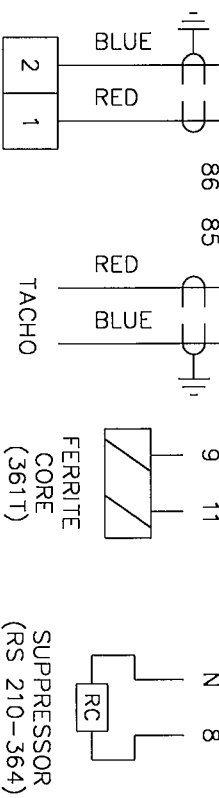
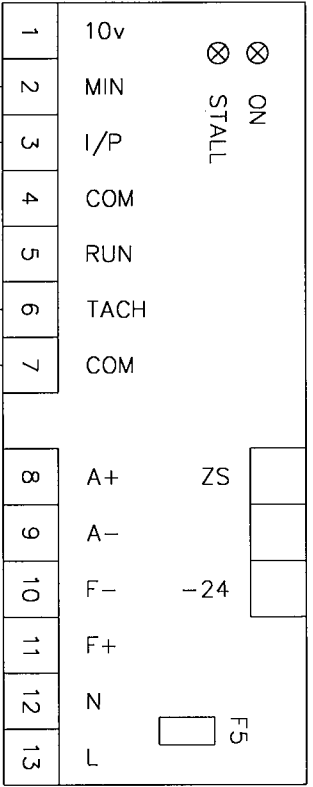
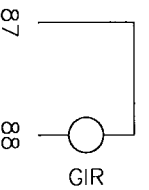
TRITON STEPPER
PANEL
LAYOUT

SHEET 2
TRITON
NEXT-STEP

TB 11
POWER CONNECTOR
ON NEXT-STEP BOARD
SEE SHEET 4

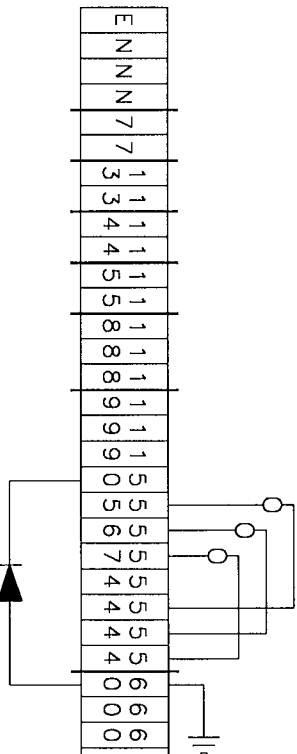


SPRINT 1200



0-10v FROM
DENSTEP TB 7
SEE SHEET 4

BEAD CAPACITORS RS 264-5015



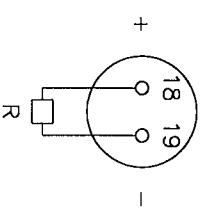
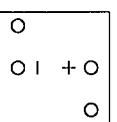
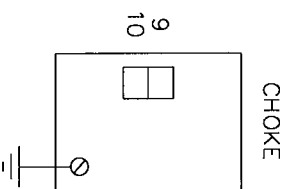
DIODE
RS 261-176

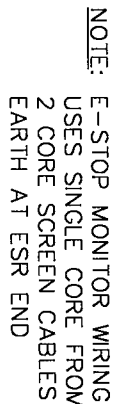
- FUSES ON DINRAIL
- F1 SPINDLE DRIVE 10 AMP
 - F2 AXIS DRIVE TRANS 6.3 AMP
 - F3 24v PSU 3.15 AMP
 - F4 AXIS DRIVES 3.15 AMP

- FUSES ON COMPONENTS
- F5 DENSTEP BOARD 6.3 AMP
 - F6 SPINDLE DRIVE 16 AMP

TOROIDAL AXIS DRIVE TRANSFORMER

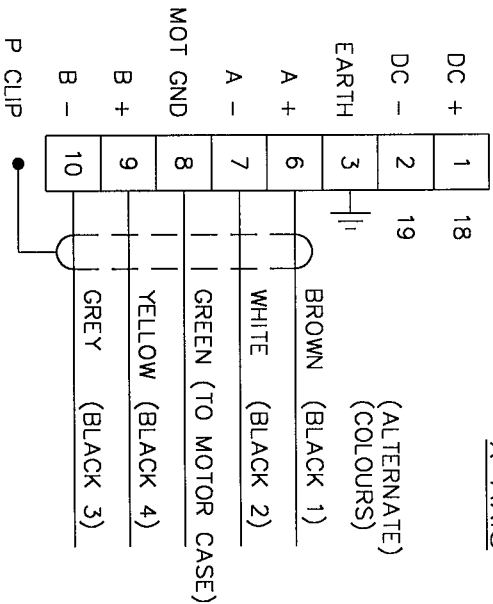
13	BROWN	115	45	RED	14
N	VIOLET	0	0	BLACK	15
13	GREY	115	45	YELLOW	14
N	BLUE	0	0	ORANGE	15





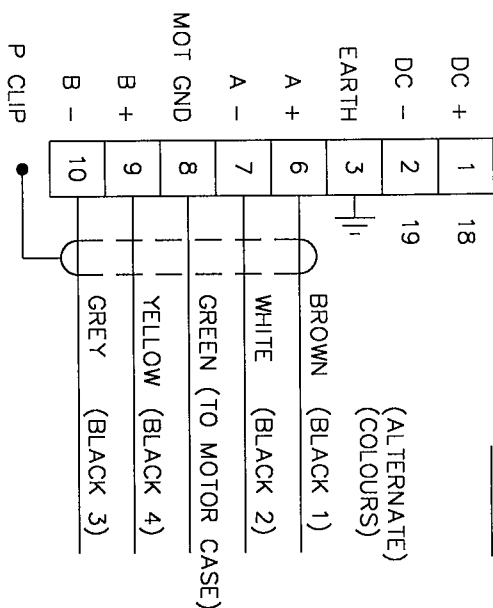
X1 POWER CONNECTOR

X AXIS



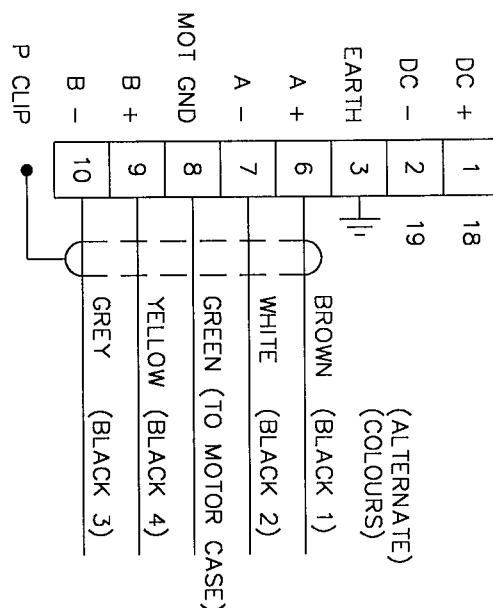
X1 POWER CONNECTOR

Y AXIS



X1 POWER CONNECTOR

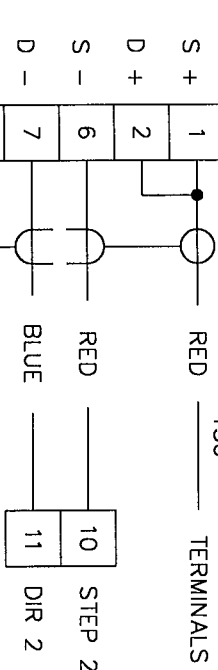
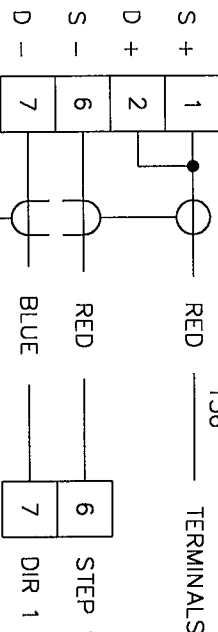
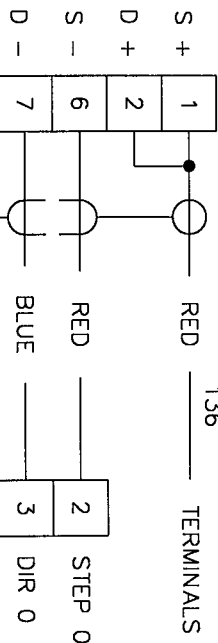
Z AXIS



X2
9 WAY MALE

X2
9 WAY MALE

X2
9 WAY MALE



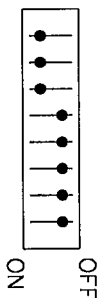
NEXT-STEP
16 WAY HEADER

NEXT-STEP
16 WAY HEADER

NEXT-STEP
16 WAY HEADER

STEP 2	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
STEP 1																
STEP 0																

AXIS SIGNALS FROM
16 WAY HEADER
ON NEXT-STEP
TOP VIEW
OF HEADER

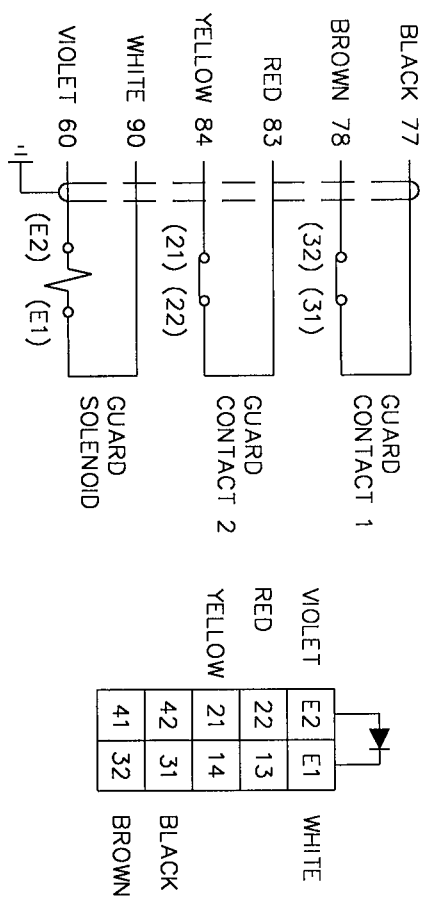
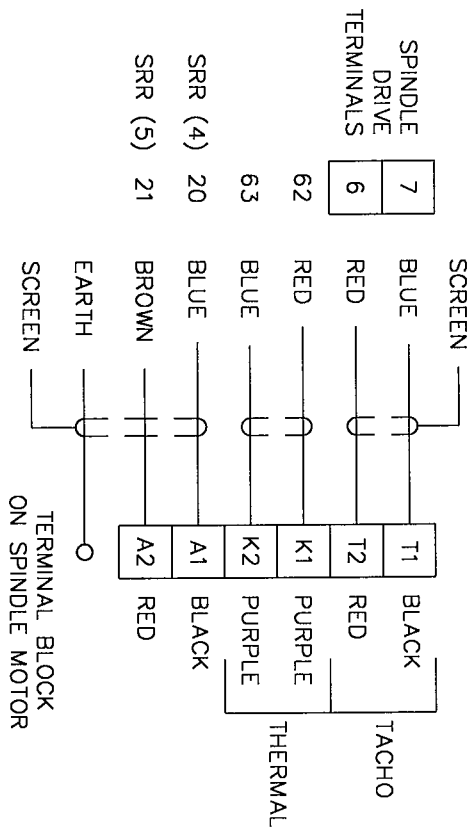


SET SWITCHES
AS SHOWN FOR
ALL DRIVES

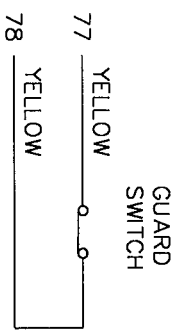
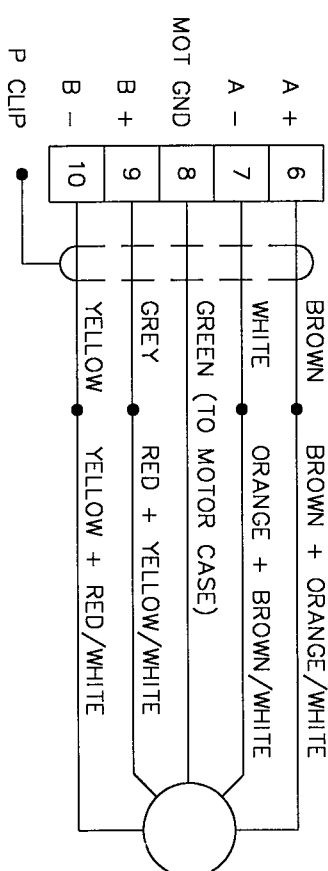
NEXT-STEP
EXTRA INPUTS
SEE SHEET 6

TRITON STEPPER
AXIS DRIVE
WIRING

SHEET 6
TRITON
NEXT-STEP

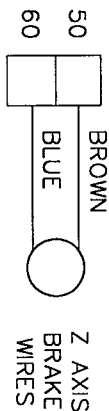
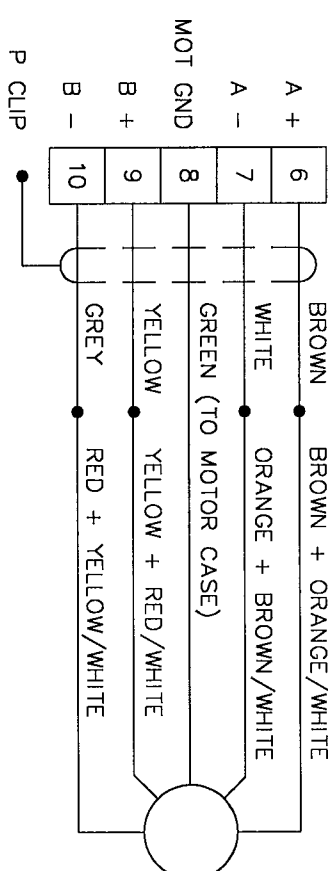


Y AXIS MOTOR



IF GUARD INTERLOCK FITTED
CONNECT AS SHOWN ABOVE

X + Z AXIS MOTORS



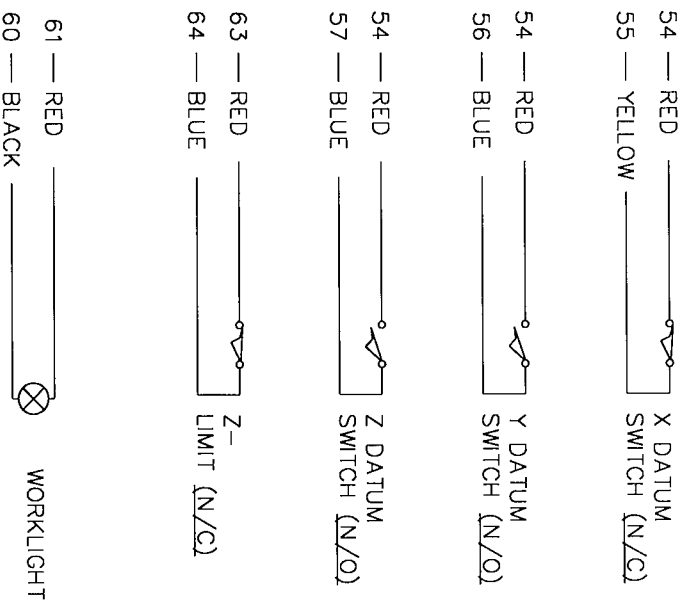
TRITON STEPPER
GUARD SWITCH, AXIS AND
SPINDLE MOTOR WIRING

SHEET 7

TRITON

NEXT-STEP

NOTE:
Y AND Z DATUM SWITCHES ARE
WIRED DIFFERENTLY TO X DATUM



REAR VIEW OF
OVERRIDE POTS

