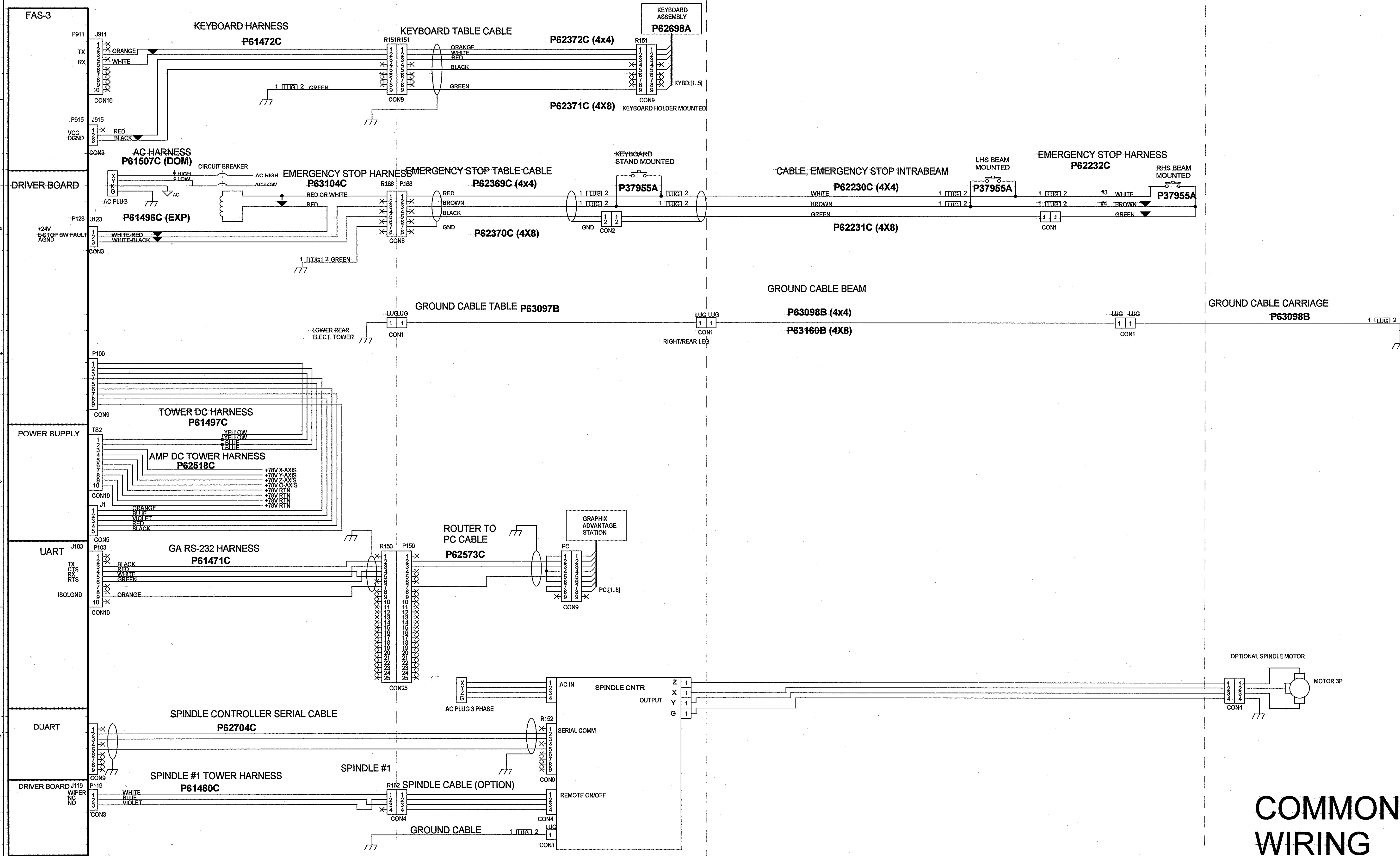


TOWER

TABLE

BEAM

Z-HOOD



REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL
1	PRELIMINARY		
A	EC P50198 INITIAL RELEASE	T.G.S. 1/22/97	<i>[Signature]</i>

NOTES:

File Location : F:\TSOTERIE\CDG3692\_A.DSN  
Last Modified : Wednesday, January 22, 1997

NOTES:

1.) Unless otherwise specified, the part numbers shown are common to both a 4x4 and a 4x8 table.

2.) The symbol ▼ indicates a wire pair

3.) The symbol ○ indicates a shielded wire(s).

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Gerber Scientific Products

151 Batson Drive  
Manchester, CT 06040  
(800) 843-1515

TITLE SCHEMATIC, SABRE WIRING DIAGRAM

DRAWN J. BORRELLI/L. DUFFANY DATE Friday, December 20, 1996

APPROVED *[Signature]* DATE 1/22/97

MODEL NO. R4 DRAWING NO. P63692D REV. A

SCALE NONE SHEET 1 OF 5 SIZE D

COMMON WIRING

TOWER

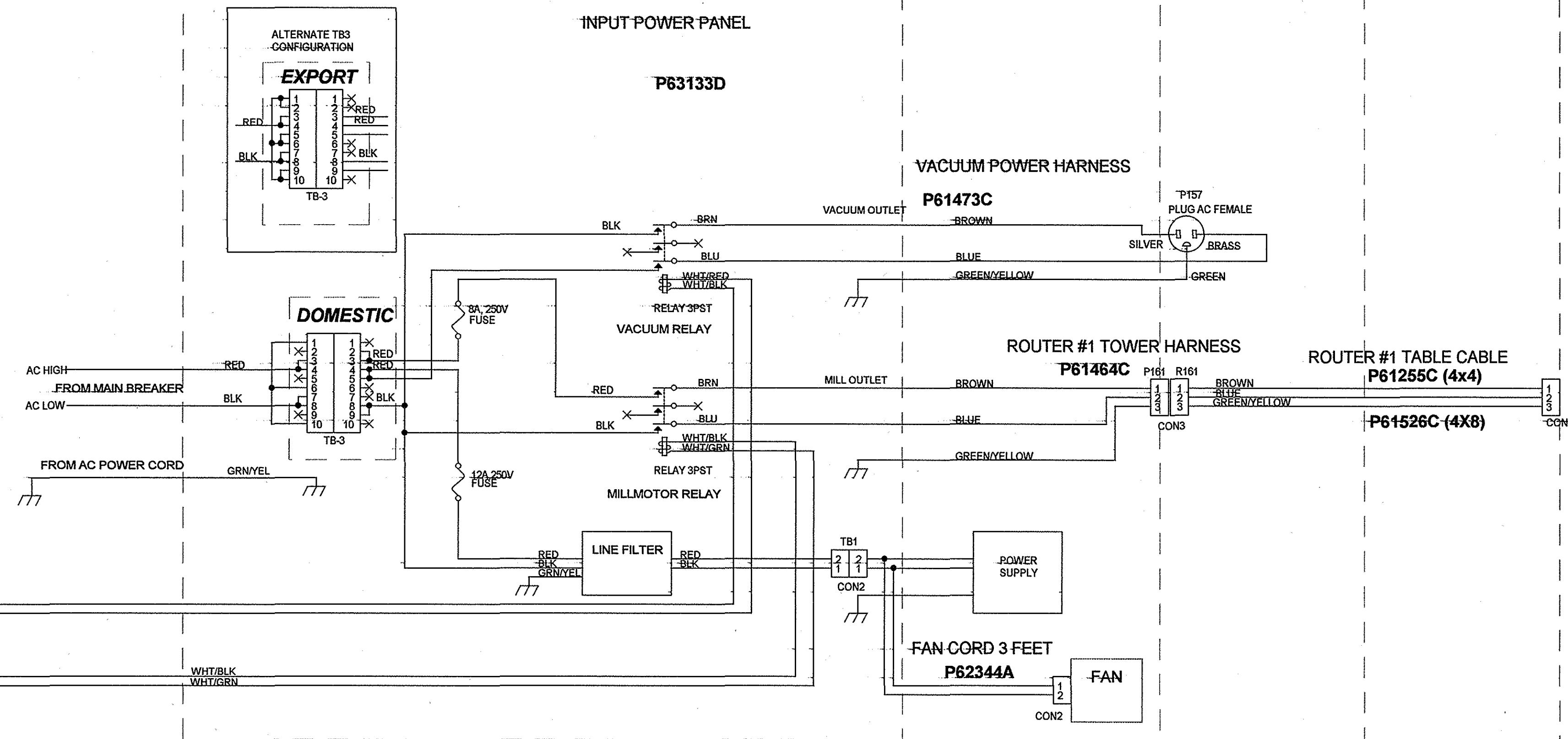
TABLE

BEAM

Z-HOOD

DRIVER BOARD

FAS 3



ENCODER PORT RIBBON CABLE  
P61601C

EXTERNAL PORT RIBBON CABLE  
P61600C

DRIVER BOARD

COMMON  
WIRING 2

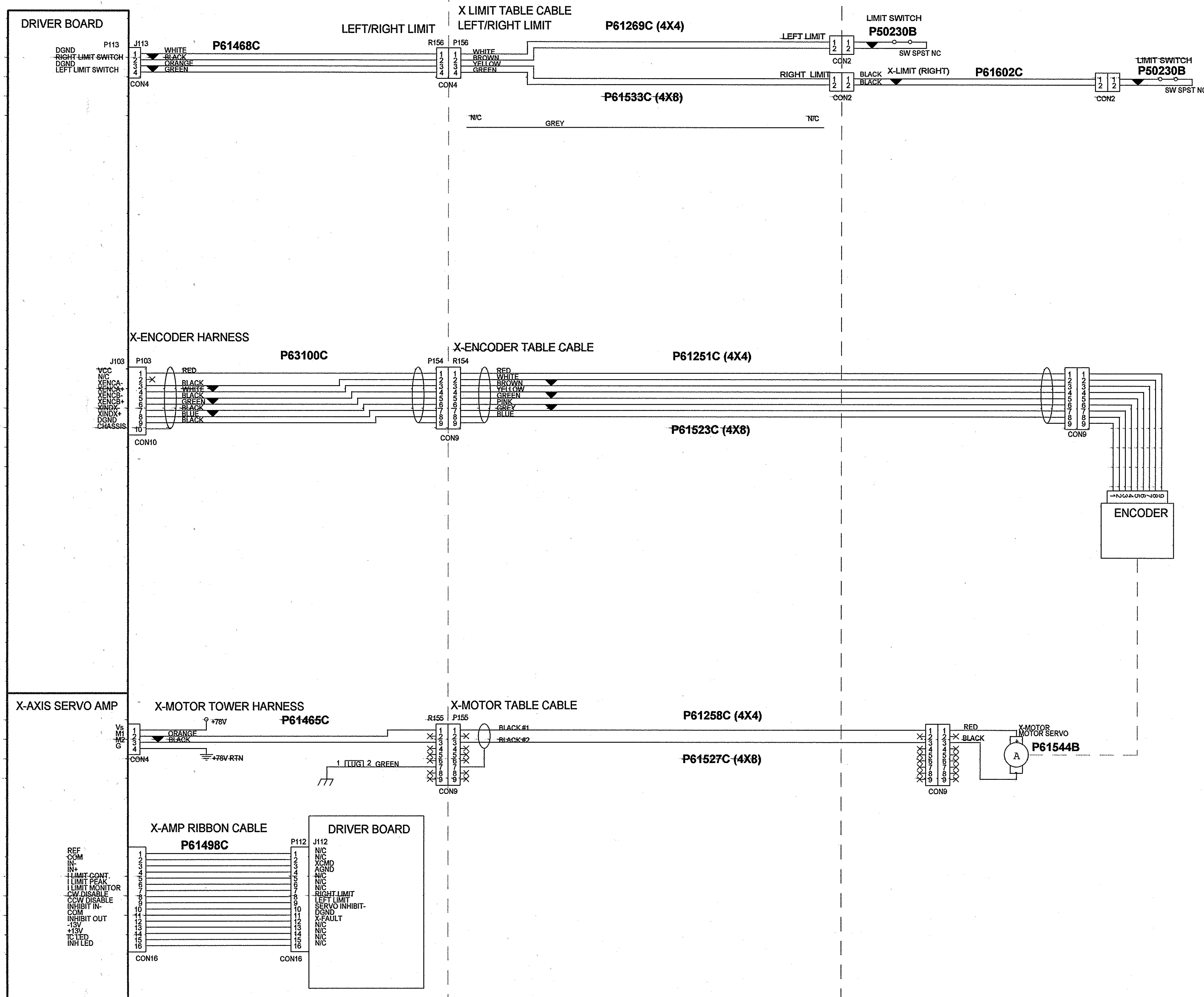
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL
1	PRELIMINARY		
EC P50198		T.G.S.	
-A	INITIAL RELEASE	1/22/97	<i>[Signature]</i>

# TOWER

## TABLE

# BEAM

## Z-HOOD

[illegible]

NOTES:

File Location : F:\TSOTER\ECID63692\_A.DSN

Last Modified: Wednesday, January 22, 1997

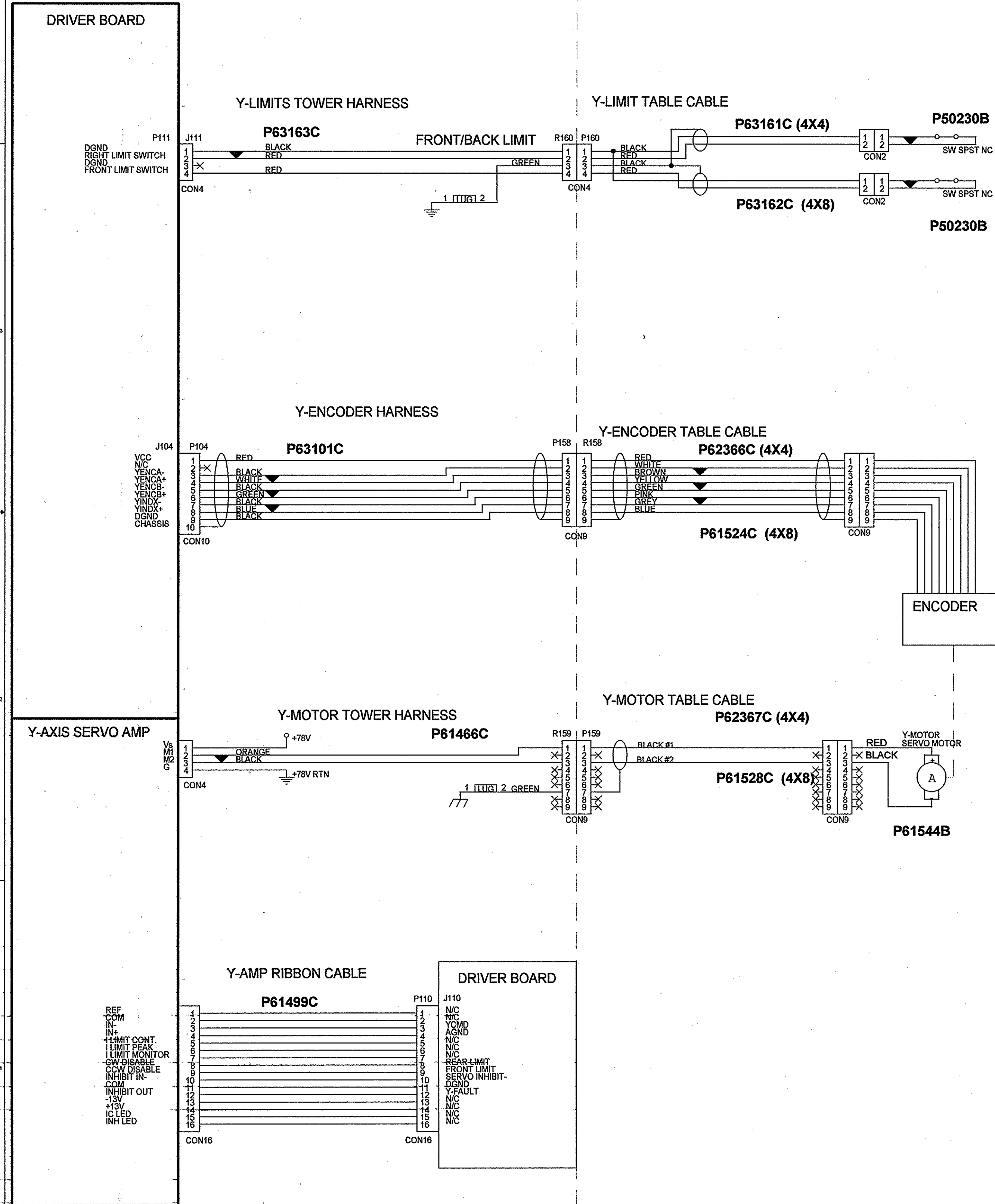
<p align="center"><b>PROPRIETARY</b></p> <p>This print is the property of GERBER SCIENTIFIC PRODUCTS, INC. and must not be reproduced either in full or in part without written approval of GERBER SCIENTIFIC PRODUCTS, INC.</p>			
<p align="center"><b>Gerber</b></p> <p align="center">Scientific Products</p>		<p align="center">151 Batson Drive Manchester, CT 06040 (860) 643-1515</p>	
<p><b>TITLE</b></p> <p align="center"><b>SCHEMATIC, SABRE WIRING DIAGRAM</b></p>			
<p><b>DRAWN</b></p> <p align="center"><b>BORRELLI, L. DUFFANY</b></p>		<p><b>DATE</b></p> <p align="center">February 06, December 06, 1996</p>	
<p><b>APPROVED</b></p> <p align="center"><i>[Signature]</i></p>		<p><b>DATE</b></p> <p align="center">1/22/97</p>	
<p><b>MODEL NO.</b></p> <p align="center"><b>R4</b></p>		<p><b>DRAWING NO.</b></p> <p align="center"><b>P633692D</b></p>	
<p><b>SCALE</b></p> <p align="center">NONE</p>		<p><b>REV.</b></p> <p align="center"><b>A</b></p>	
<p><b>SHEET</b></p> <p align="center">3</p>		<p><b>OF</b></p> <p align="center">5</p>	
<p><b>SIZE</b></p> <p align="center"><b>D</b></p>		<p><b>SIZE</b></p> <p align="center"><b>D</b></p>	

TOWER

TABLE

BEAM

Z HOOD



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
1	PRELIMINARY		
-A	EC P50198	T.G.S.	
	INITIAL	172297	
	RELEASE		

NOTES:

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TITLE  
SCHEMATIC, SABRE WIRING DIAGRAM

DRAWN  
J. BORRELLI, DUFFANY

DATE  
Thursday, December 10, 1996

APPROVED  
[Signature]

DATE  
11/22/97

MODEL NO.  
R4

DRAWING NO.  
P63692D

REV  
A

SCALE  
NONE

SHEET  
4 OF 5

SIZE  
D

Y-AXIS



TOWER

TABLE

BEAM

Z-HOOD

DRIVER BOARD

Z-LIMITS TOWER HARNESS

Z LIMIT TABLE CABLE  
UPLIMIT

P61271C(4X4)

Z-LIMIT (UP)

LIMIT SWITCH  
P50230B

P109  
J109  
1 WHITE  
2 BLACK  
3 ORANGE  
4 GREEN  
CON4

P61470C

UP LIMIT

R165

P165

1 WHITE  
2 BROWN  
3 YELLOW  
4 GREEN  
CON4

N/C GREY

P61535C (4X8)

N/C

Z-ENCODER HARNESS

P63102C

Z ENCODER TABLE CABLE

P61253C (4X4)

P61525C (4X8)

J102  
VCC  
NIC  
ZENCA+  
ZENCA-  
ZENCB+  
ZENCB-  
ZINDX+  
ZINDX-  
DND  
CHASSIS  
CON10

P102

1 RED  
2 BLACK  
3 WHITE  
4 BLACK  
5 GREEN  
6 BLACK  
7 BLUE  
8 BLACK  
CON10

P163

R163

1 RED  
2 WHITE  
3 BROWN  
4 GREEN  
5 PINK  
6 BLUE  
CON9

CON9

ENCODER

Z-AXIS SERVO AMP

Z-MOTOR TOWER HARNESS

Z MOTOR TABLE CABLE

P61620C (4X4)

P61529C (4X8)

V6  
M2  
G  
CON4

P61467C

1 ORANGE  
2 BLACK  
CON4

+78V  
+78V RTN

R164

P164

1 BLACK #1  
2 BLACK #2  
CON9

1 11/16 2 GREEN  
CON9

CON9

RED  
BLACK

Z-MOTOR  
SERVO MOTOR  
P61544B

Z-AMP RIBBON CABLE  
P61500C

DRIVER BOARD

REF  
COM  
IN-  
LIMIT CONT  
LIMIT PEAK  
LIMIT MONITOR  
CW DISABLE  
CCW DISABLE  
INHIBIT IN-  
COM  
INHIBIT OUT  
-15V  
+15V  
IC LED  
INH LED

P108  
J108  
1 N/C  
2 N/C  
3 ZCMD  
4 AGND  
5 N/C  
6 N/C  
7 ZDOWN  
8 ZUP  
9 SERVO INHIBIT-  
10 DND  
11 ZFAULT  
12 N/C  
13 N/C  
14 N/C  
15 N/C  
16 N/C  
CON16

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL
1	PRELIMINARY		
A	EC P50198 INITIAL RELEASE	T.G.S. 1/22/97	<i>[Signature]</i>

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TITLE  
SCHEMATIC, SABRE WIRING DIAGRAM

DRAWN  
J. BORRELLIN, DUFFANY

DATE  
Friday, December 06, 1996

APPROVED  
*[Signature]*

DATE  
1/22/97

MODEL NO.  
R4

DRAWING NO.  
P63692D

SCALE  
NONE

SHEET  
5 OF 5

SIZE  
D

Z-AXIS