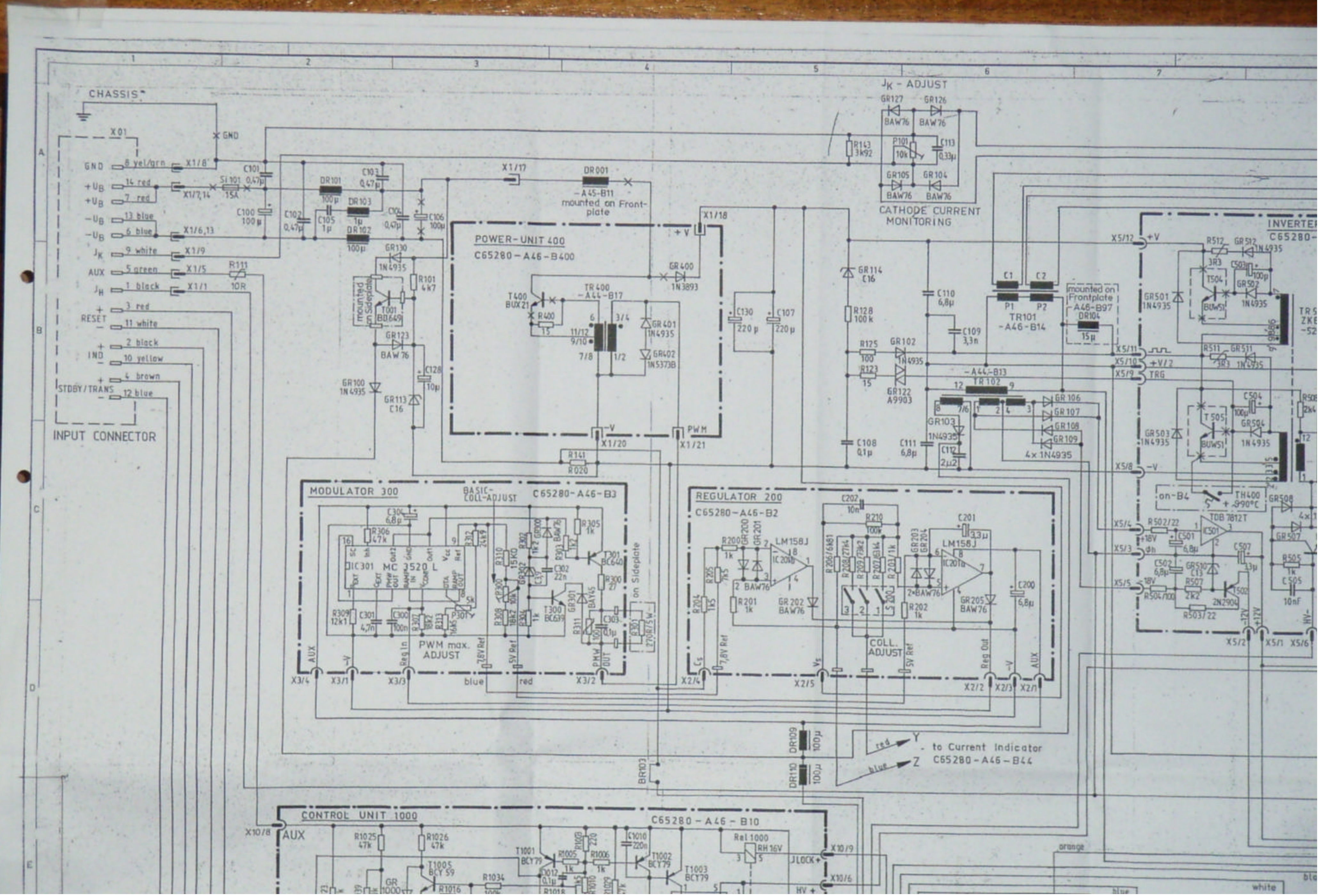
CHASSIS
X01
GND
8 yel/grn
X1/8
+UB
14 red
7 red
X1/7,14
Si101
15A
-UB
13 blue
6 blue
X1/6,13
JK
9 white
X1/9
AUX
5 green
X1/5
JH
1 black
X1/1
R111
10R
RESET
3 red
11 white
IND
2 black
10 yellow
4 brown
STDBY/TRANS
12 blue
INPUT CONNECTOR
C101 0,47µ
C100 100µ
DR101 100µ
C102 0,47µ
C105 1µ
C103 0,47µ
DR103 1µ
DR102 100µ
C104 0,1µ
C106 100µ
X1/17
DR001
- A45-B11
mounted on Front-plate
GR130 1N4935
R101 4k7
T001 BD649
mounted on Sideplate
GR123 BAW76
C128 10µ
GR100 1N4935
GR113 C16
POWER-UNIT 400
C65280-A46-B400
T400 BUX21
R400 15
TR400 -A44-B17
GR400 1N3893
GR401 1N4935
GR402 1N5373B
X1/18
+V
-V
X1/20
PWM
X1/21
R141
R020
C130 220µ
C107 220µ
JK - ADJUST
GR127 BAW76
GR126 BAW76
R143 3k92
P101 10k
C113 0,33µ
GR105 BAW76
GR104 BAW76
CATHODE CURRENT MONITORING
GR114 C16
R128 100k
C110 6,8µ
C109 3,3n
R125 100
R123 15
GR102 1N4935
GR122 A9903
C108 0,1µ
C111 6,8µ
C112 2µ2
GR103 1N4935
C1
C2
P1
P2
TR101 -A46-B14
mounted on Frontplate -A46-B97
DR104 15µ
-A44-B13
TR102
GR106
GR107
GR108
GR109
4x 1N4935
INVERTER
C65280-
X5/12
X5/11
X5/10
X5/9
TRG
+V/2
X5/8
X5/4
X5/3
X5/5
X5/2
X5/1
X5/6
R512
GR512 1N4935
3R3
C503
100p
T504 BUW51
GR502 1N4935
GR501 1N4935
R511
GR511 1N4935
T505 BUW51
C504 100µ
GR504 1N4935
GR503 1N4935
on-B4
TH400 +90°C
GR508
R502/22
+18V
C501 6,8µ
TDB 7812T
IC501
C502 6,8µ
GR510 C13
-18V
R504/100
R507 2k2
T502 2N2904
R503/22
C507 3,3µ
R505 1k
C505 10nF
-12V
+12V
HV-
MODULATOR 300
BASIC-COLL-ADJUST
C65280-A46-B3
C304 6,8µ
R306 47k
IC301 MC 3520 L
R309 12k1
C301 4,7n
C300 100n
R302 8k2
R313
P301
PWM max. ADJUST
R312 2k49
R310 15k0
R308 18k2
R305 1k
T301 BC640
R300 27
T300 BC639
GR301 BAY45
C302 22n
R311
C303 0,1µ
R301 270R/5W
on Sideplate
AUX
X3/4
-V
X3/1
Reg In
X3/3
7,8V Ref
blue
5V Ref
red
PWM OUT
X3/2
REGULATOR 200
C65280-A46-B2
C202 10n
R210 100k
C201 3,3µ
LM158J
IC201a
IC201b
R200 1k
GR200
GR201
R205 7k5
R204 1k5
R201 1k
GR202 BAW76
2 BAW76
2xBAW76
R206/6k81
R208/27k4
R209/13k2
R207/6k34
R203/1k
R202 1k
GR203
GR204
GR205 BAW76
C200 6,8µ
COLL. ADJUST
Cs
7,8V Ref
X2/4
Vs
X2/5
5V Ref
Reg Out
X2/2
X2/3
X2/1
DR109 100µ
DR110 100µ
BR103
red
blue
Y
Z
to Current Indicator
C65280-A46-B44
CONTROL UNIT 1000
C65280-A46-B10
X10/8
AUX
R1025 47k
R1026 47k
T1001 BCY79
T1005 BCY59
R1034
R1016
R1005 1k
R1006 1k
R1008 220
C1010 220n
T1002 BCY79
T1003 BCY79
Rel 1000
RH 16V
LOCK+
X10/9
X10/6
HV+
orange
white
blue
1
2
3
4
5
6
7
A
B
C
D
E