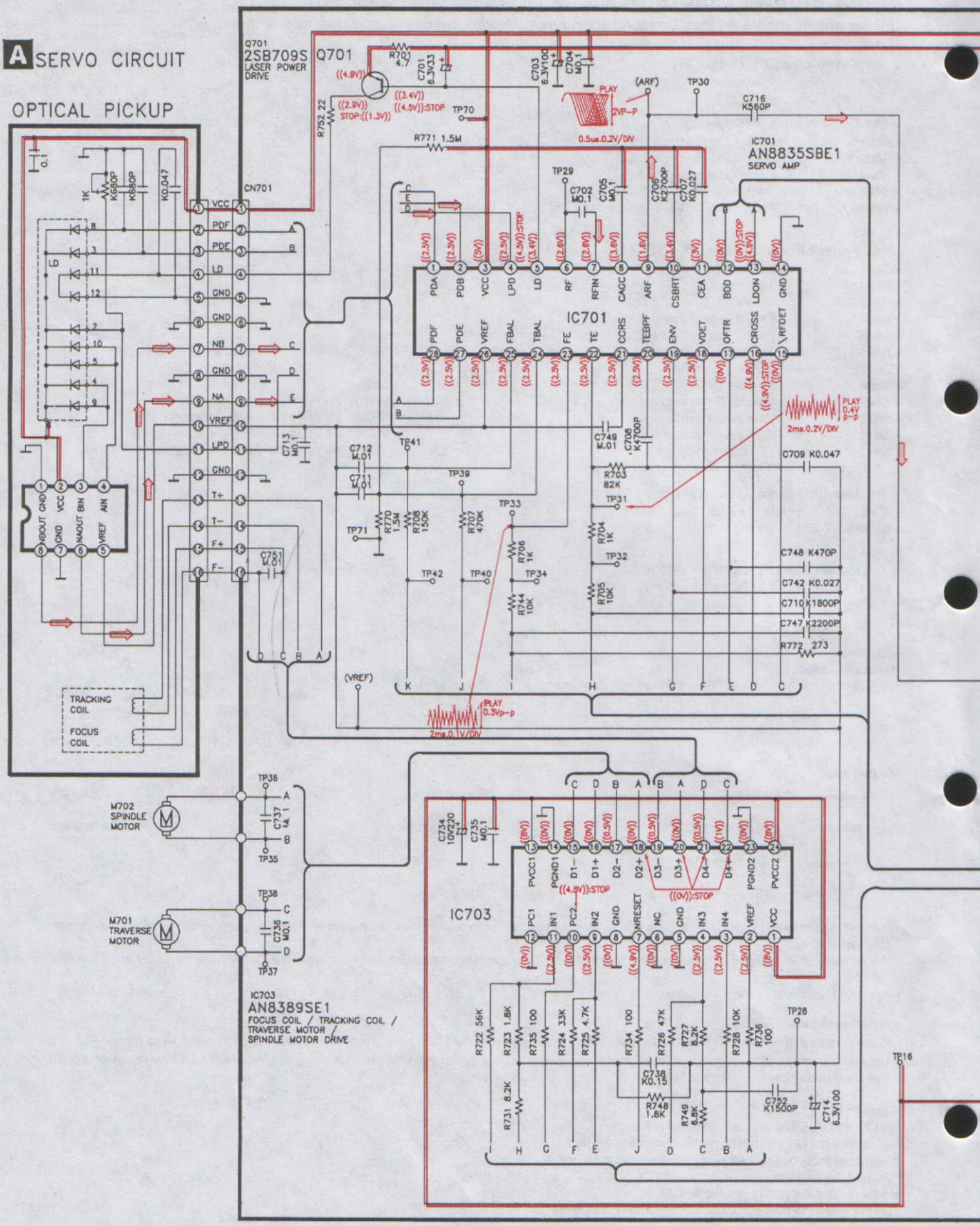
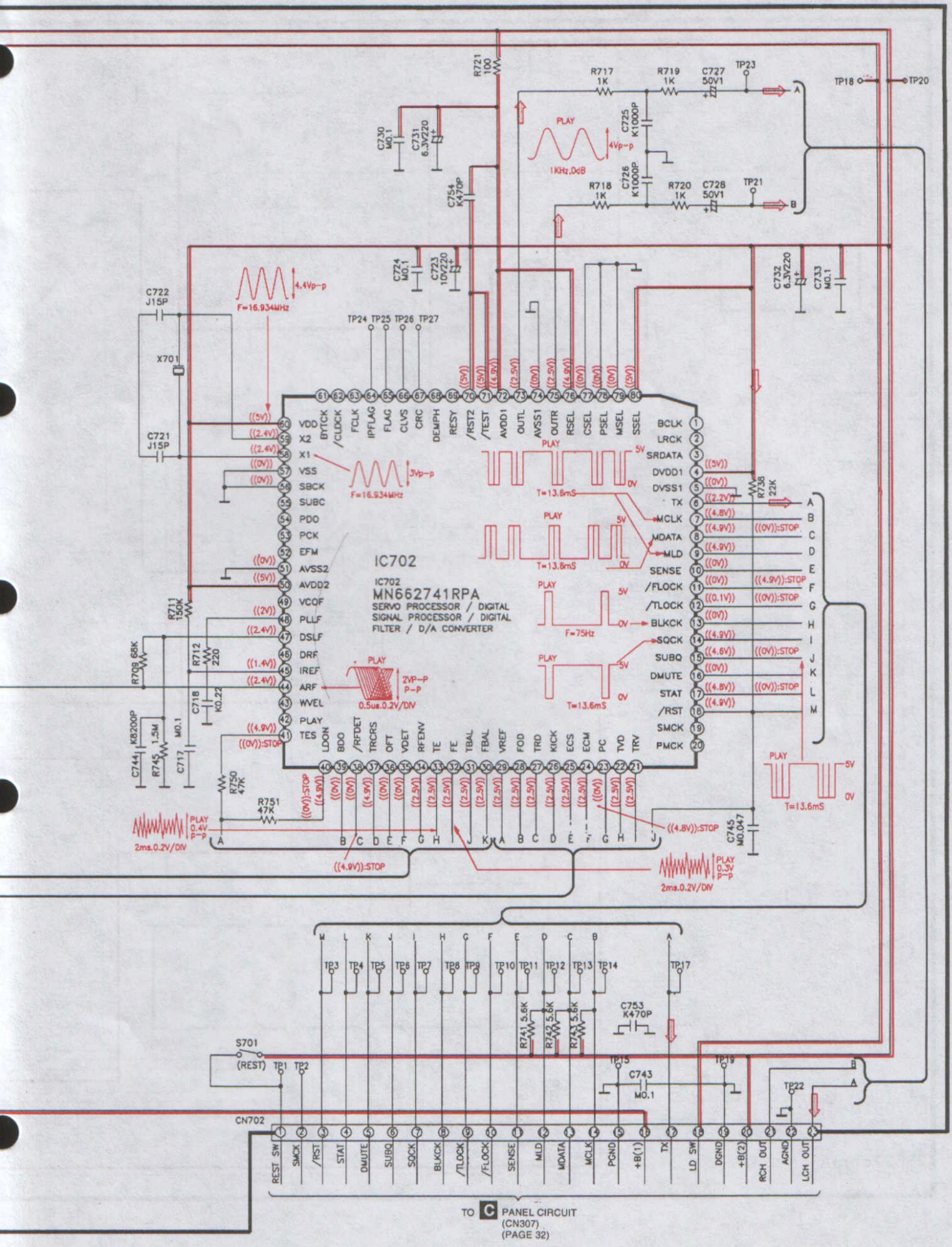
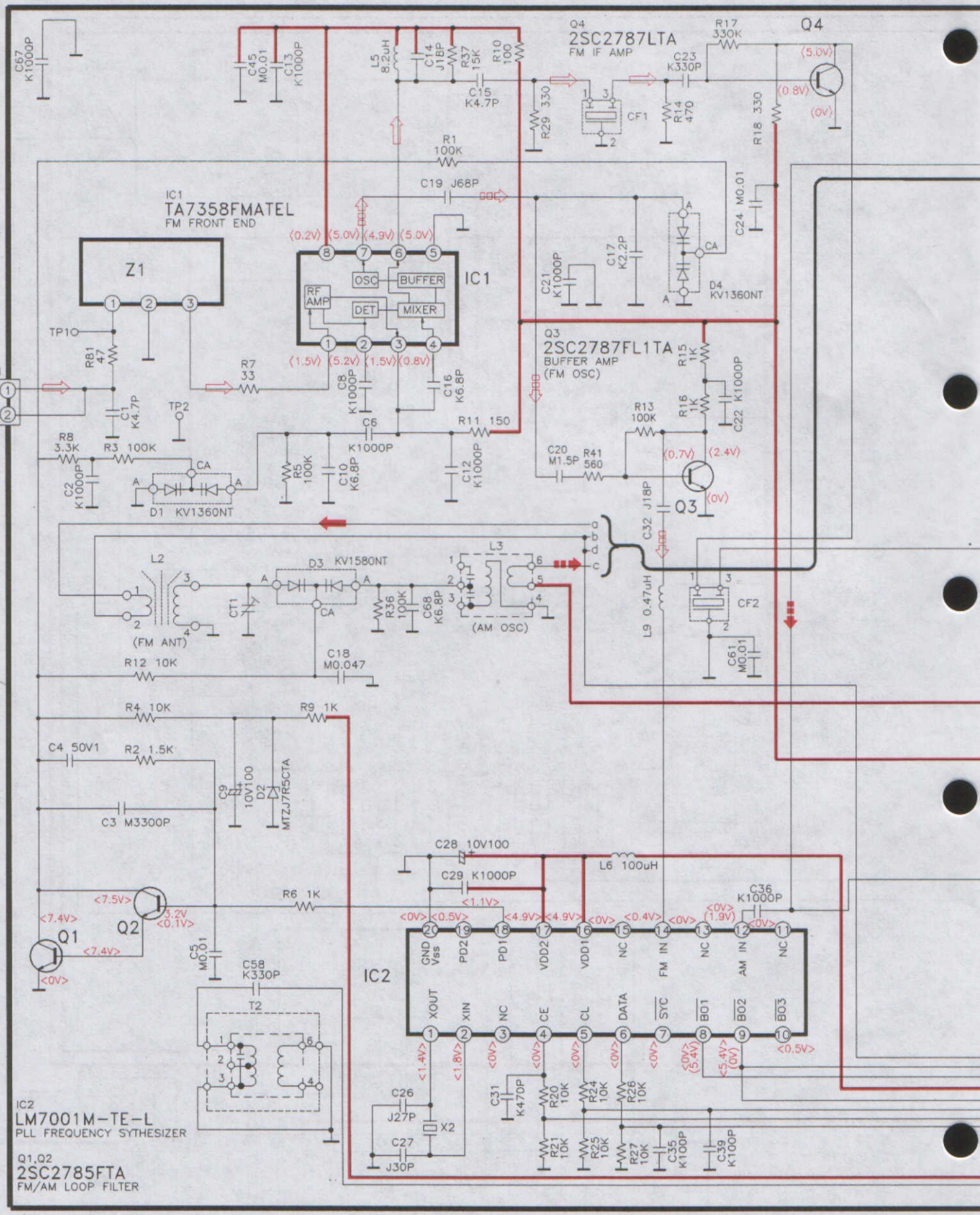
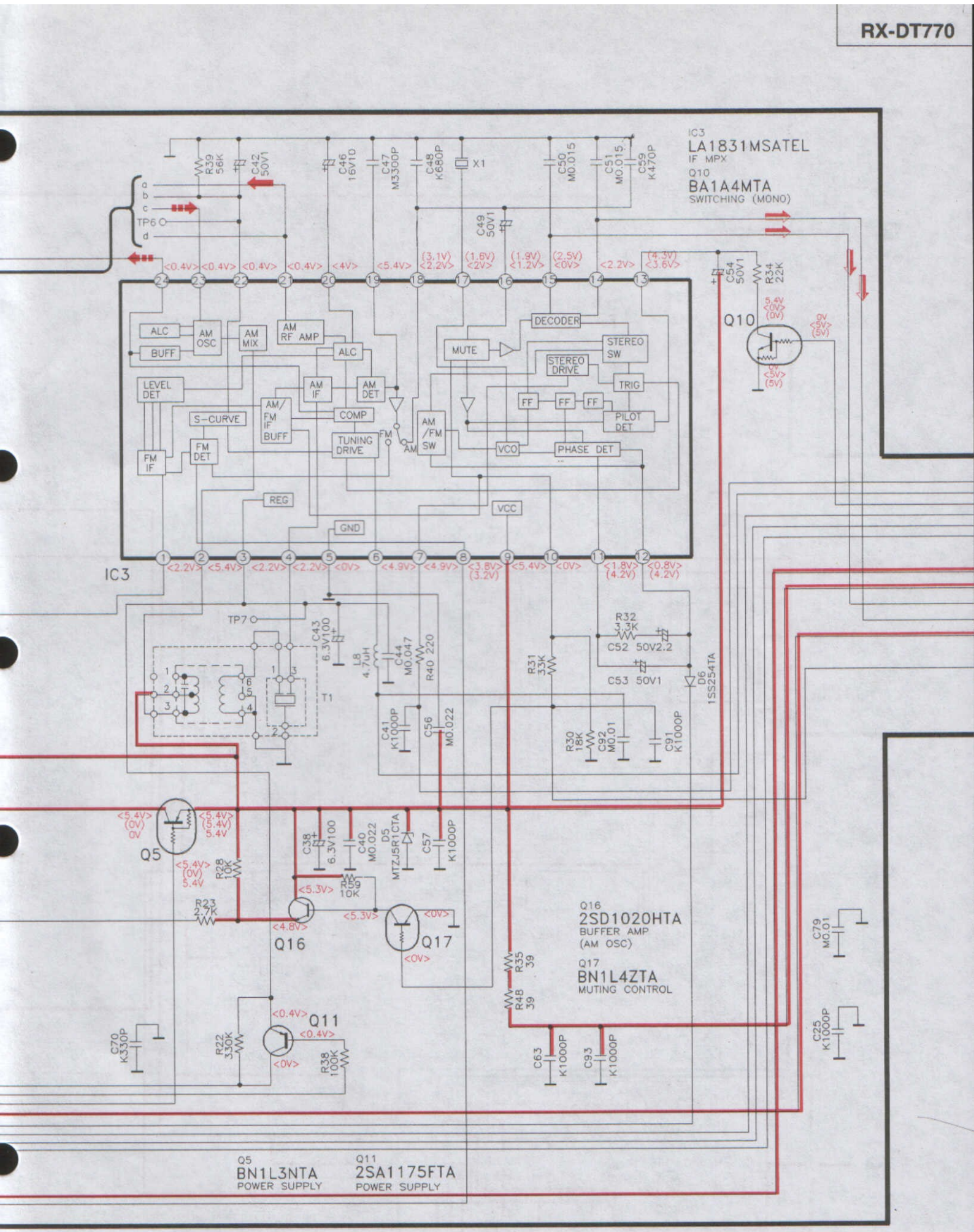
■ Schematic Diagram

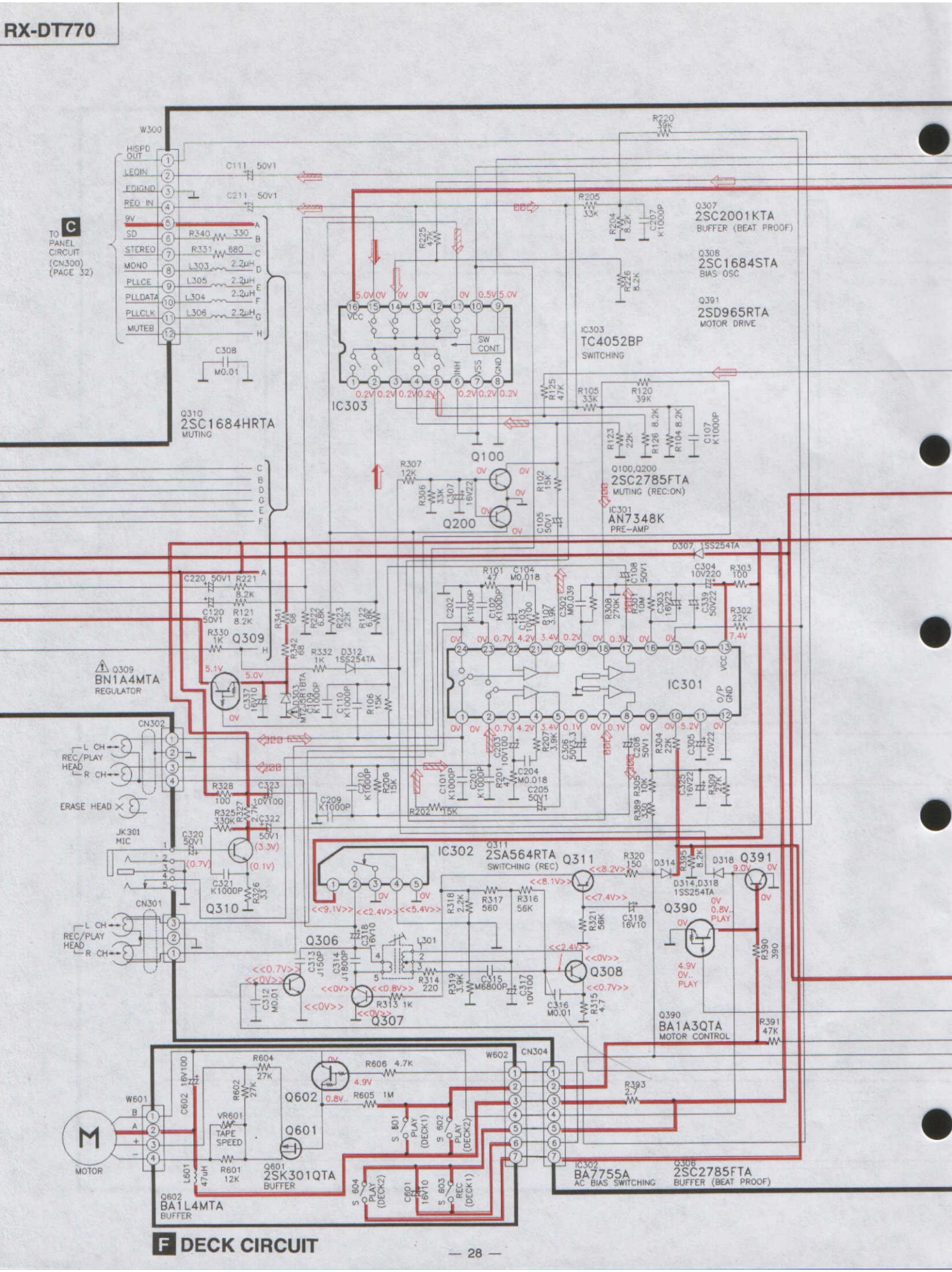



IC702
IC702
MN662741RPA
SERVO PROCESSOR / DIGITAL
SIGNAL PROCESSOR / DIGITAL
FILTER / D/A CONVERTER
X701
F=16.934MHz
4.4Vp-p
3Vp-p
2Vp-p
PLAY
1KHz,0dB
4Vp-p
T=13.8mS
F=75Hz
T=13.6mS
0.5us.0.2V/DIV
2ms.0.2V/DIV
0.4V P-P
0.3V P-P
TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27
S701
(REST)
CN702
REST SW
SMCK
/RST
STAT
DMUTE
SUBQ
SOCK
BLKCK
/TLOCK
/FLOCK
SENSE
MLD
MDATA
MCLK
PGND
+B(1)
TX
LD SW
DGND
+B(2)
RCH OUT
AGND
LCH OUT
TO C PANEL CIRCUIT
(CN307)
(PAGE 32)

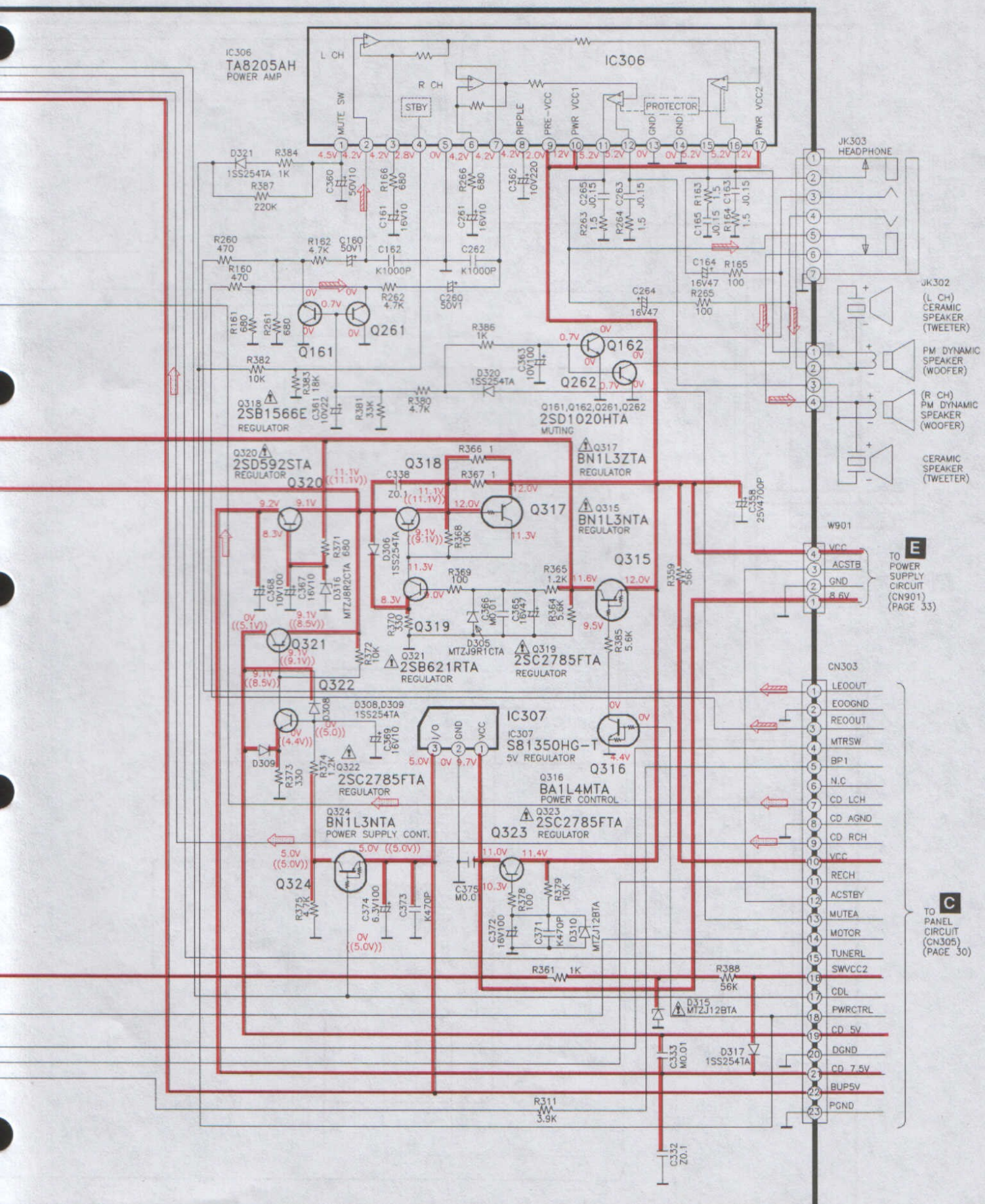
B MAIN CIRCUIT

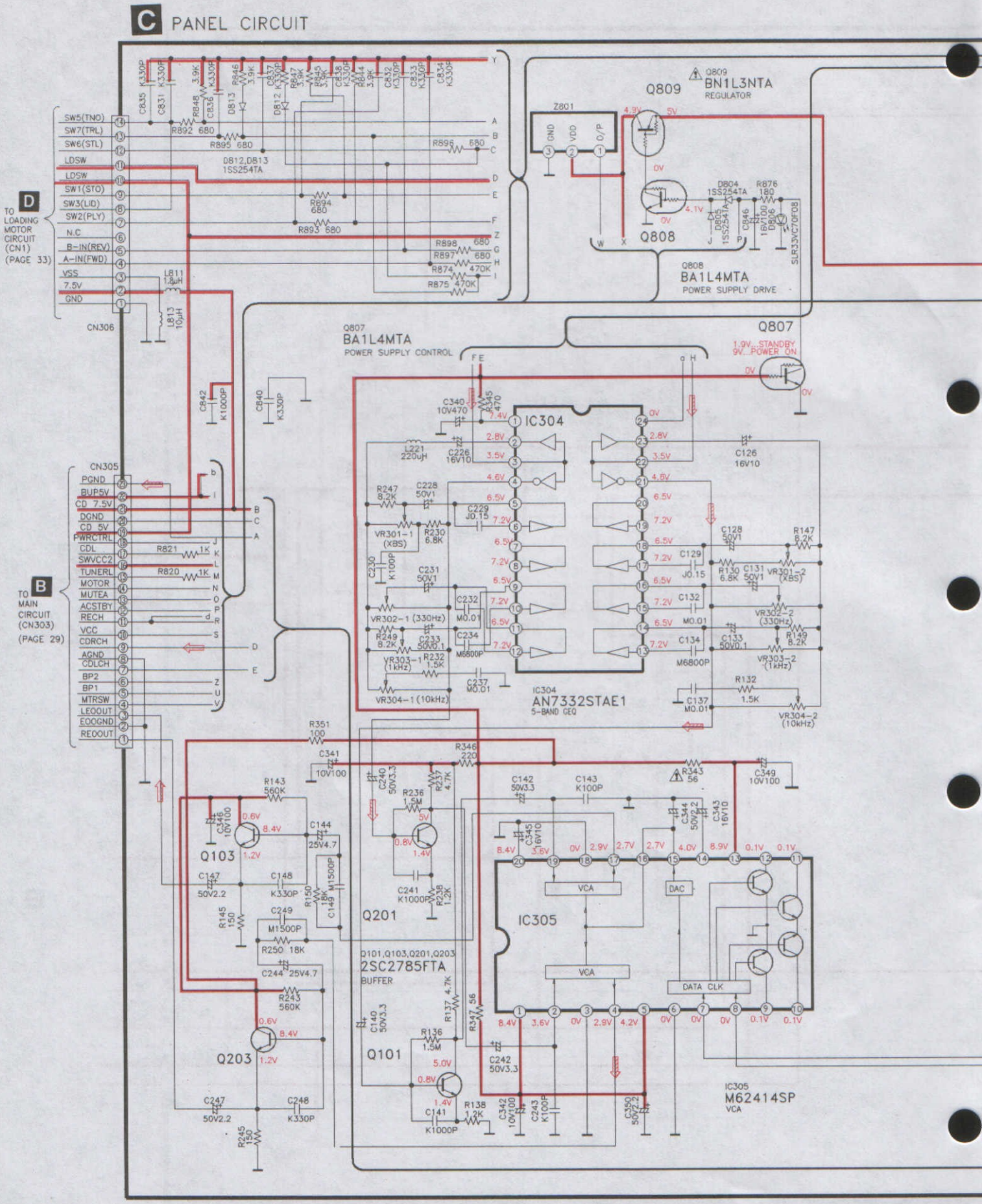


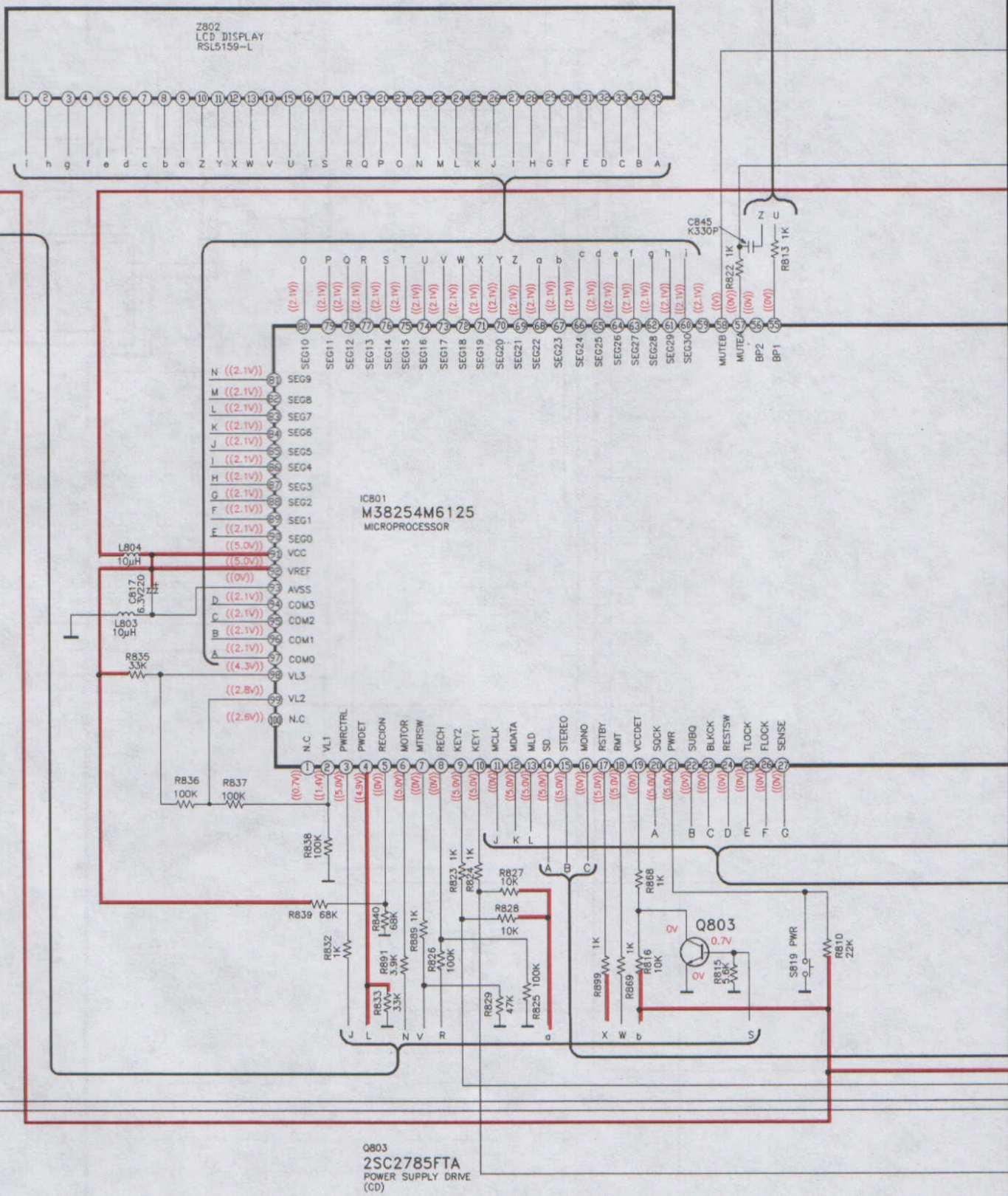

IC3
LA1831MSATEL
IF MPX
Q10
BA1A4MTA
SWITCHING (MONO)
IC3
ALC
BUFF
AM OSC
AM MIX
AM RF AMP
ALC
LEVEL DET
AM IF
AM DET
S-CURVE
AM/FM IF BUFF
COMP
FM IF
FM DET
TUNING DRIVE
FM
AM
AM/FM SW
MUTE
DECODER
STEREO SW
STEREO DRIVE
TRIG
FF
FF
FF
PILOT DET
VCO
PHASE DET
REG
VCC
GND
Q10
TP6
TP7
T1
Q5
Q11
Q16
Q17
BUFFER AMP
(AM OSC)
MUTING CONTROL
Q5
BN1L3NTA
POWER SUPPLY
Q11
2SA1175FTA
POWER SUPPLY

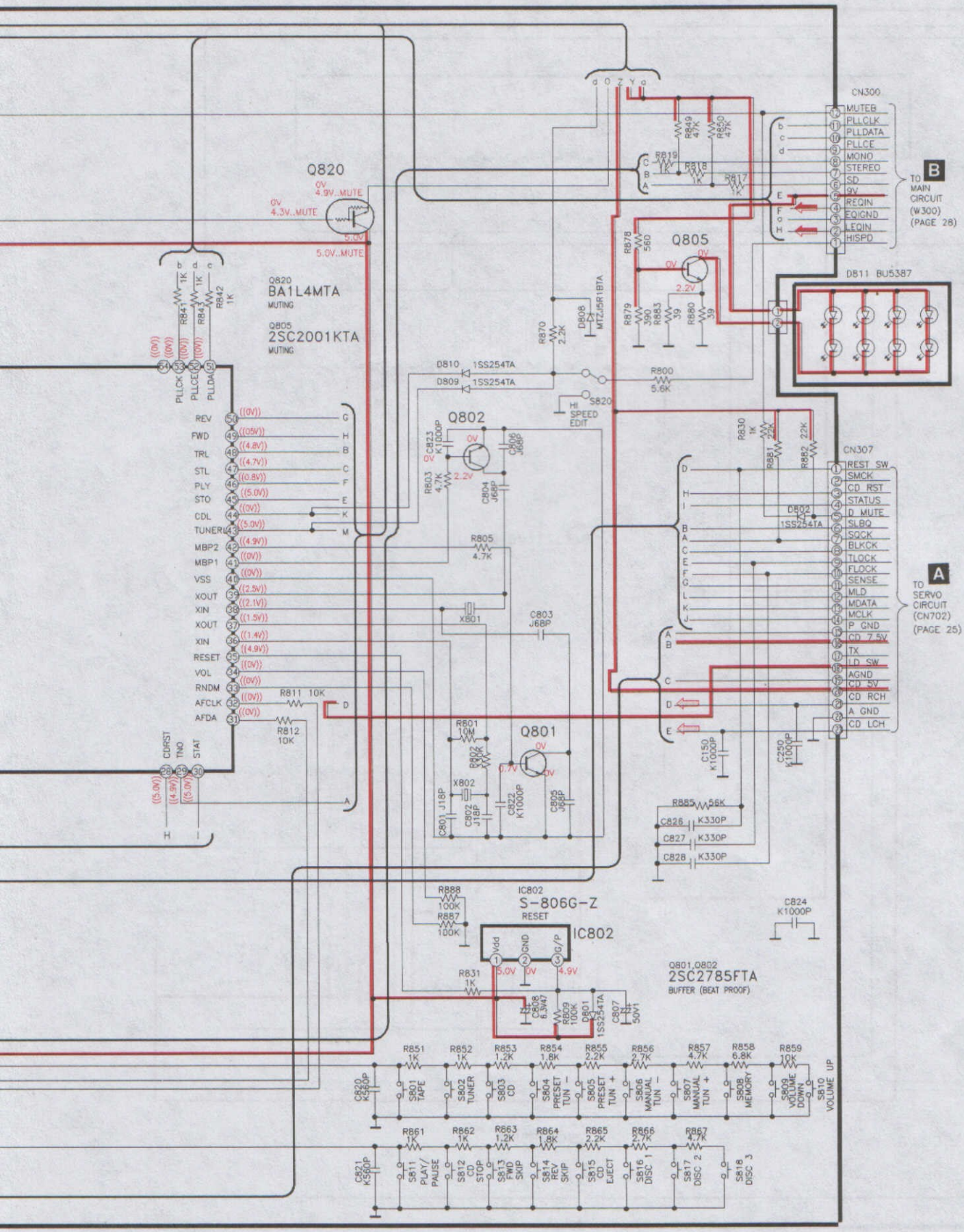


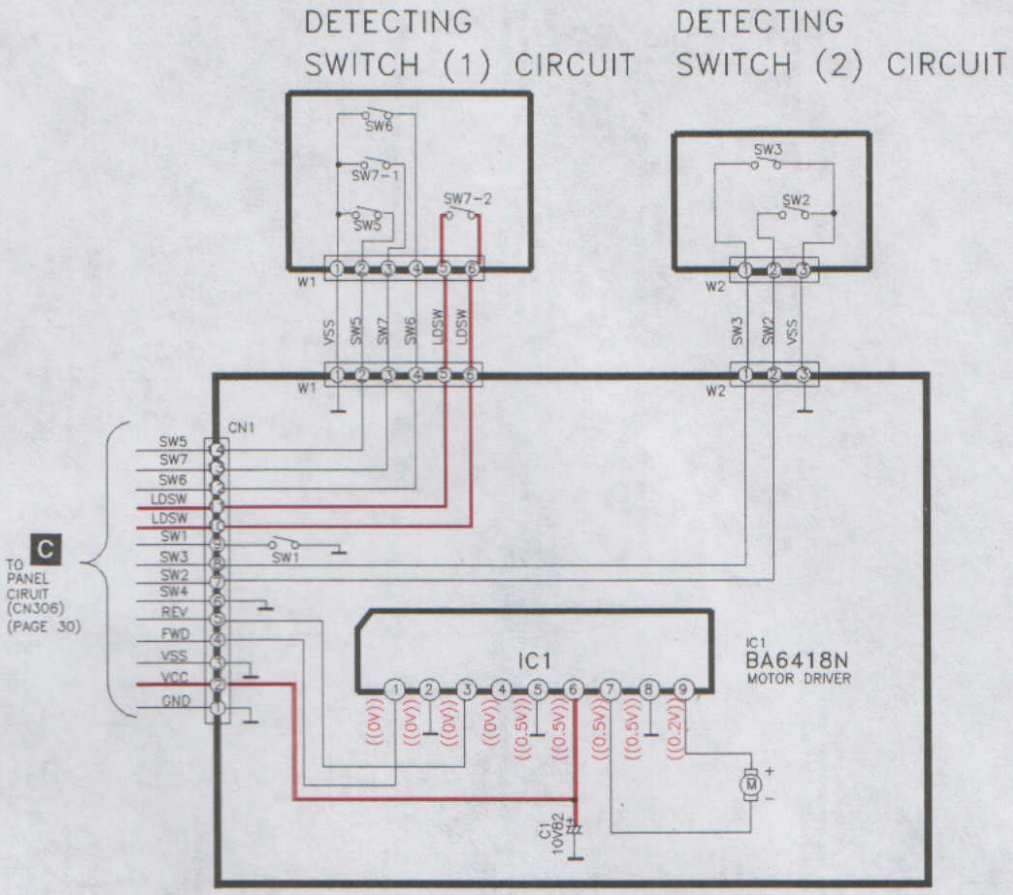
F DECK CIRCUIT


IC306
TA8205AH
POWER AMP
L CH
R CH
STBY
MUTE SW
RIPPLE
PRE-VCC
PWR VCC1
PROTECTOR
GND
PWR VCC2
JK303
HEADPHONE
JK302
(L CH)
CERAMIC
SPEAKER
(TWEETER)
PM DYNAMIC
SPEAKER
(WOOFER)
(R CH)
PM DYNAMIC
SPEAKER
(WOOFER)
CERAMIC
SPEAKER
(TWEETER)
Q161
Q261
Q162
Q262
Q161,Q162,Q261,Q262
2SD1020HTA
MUTING
Q318
2SB1566E
REGULATOR
Q320
2SD592STA
REGULATOR
Q317
BN1L3ZTA
REGULATOR
Q315
BN1L3NTA
REGULATOR
Q319
2SC2785FTA
REGULATOR
Q321
2SB621RTA
REGULATOR
Q322
IC307
S81350HG-T
5V REGULATOR
Q316
BA1L4MTA
POWER CONTROL
Q323
2SC2785FTA
REGULATOR
Q324
BN1L3NTA
POWER SUPPLY CONT.
W901
VCC
ACSTB
GND
8.6V
TO E
POWER SUPPLY CIRCUIT (CN901) (PAGE 33)
CN303
LEOOUT
EOOGND
REOOUT
MTRSW
BP1
N.C
CD LCH
CD AGND
CD RCH
VCC
RECH
ACSTBY
MUTEA
MOTOR
TUNERL
SWVCC2
CDL
PWRCTRL
CD 5V
DGND
CD 7.5V
BUP5V
PGND
TO C
PANEL CIRCUIT (CN305) (PAGE 30)


C PANEL CIRCUIT
D
TO LOADING MOTOR CIRCUIT (CN1) (PAGE 33)
B
TO MAIN CIRCUIT (CN303) (PAGE 29)
CN306
CN305
SW5(TNO)
SW7(TRL)
SW6(STL)
LDSW
LDSW
SW1(STO)
SW3(LID)
SW2(PLY)
N.C
B-IN(REV)
A-IN(FWD)
VSS
7.5V
GND
PGND
BUP5V
CD 7.5V
DGND
CD 5V
PWRCTRL
CDL
SWVCC2
TUNERL
MOTOR
MUTEA
ACSTBY
RECH
VCC
CDRCH
AGND
CDLCH
BP2
BP1
MTRSW
LEOUT
EOOGND
REOUT
D812,D813
1SS254TA
Q809
BN1L3NTA
REGULATOR
Z801
GND
VDD
O/P
Q808
BA1L4MTA
POWER SUPPLY DRIVE
D804
1SS254TA
D805
1SS254TA
D806
SLR33VC70F08
Q807
BA1L4MTA
POWER SUPPLY CONTROL
1.9V...STANDBY
9V...POWER ON
IC304
AN7332STAE1
5-BAND GEQ
VR301-1 (XBS)
VR301-2 (XBS)
VR302-1 (330Hz)
VR302-2 (330Hz)
VR303-1 (1kHz)
VR303-2 (1kHz)
VR304-1 (10kHz)
VR304-2 (10kHz)
Q101,Q103,Q201,Q203
2SC2785FTA
BUFFER
Q103
Q201
Q203
Q101
IC305
M62414SP
VCA
VCA
DAC
DATA CLK

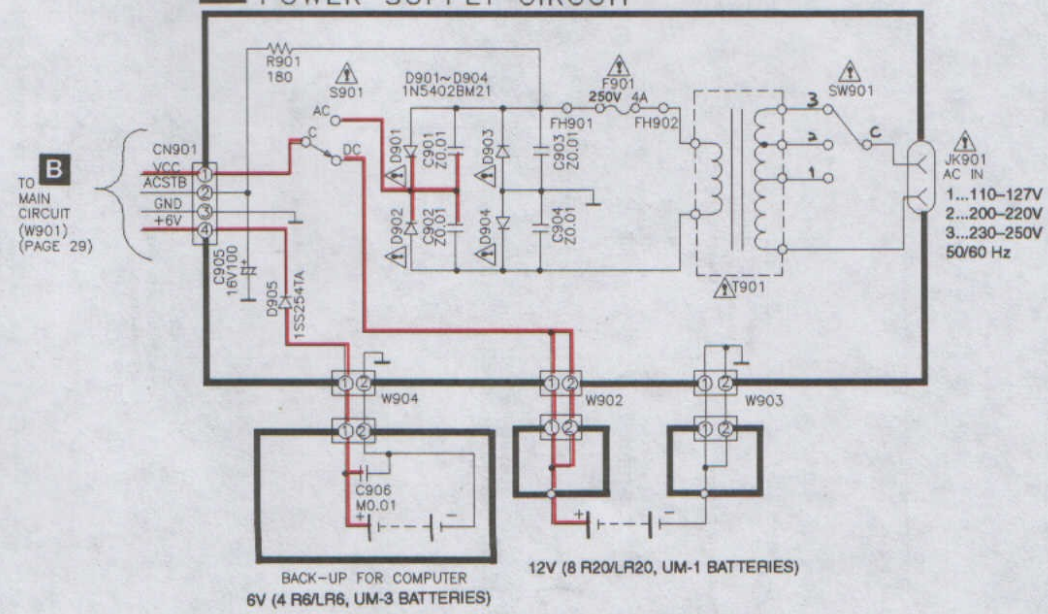

Z802
LCD DISPLAY
RSL5159-L
IC801
M38254M6125
MICROPROCESSOR
Q803
2SC2785FTA
POWER SUPPLY DRIVE
(CD)
C845
K330P
R813 1K
R822 1K
L804
10μH
L803
10μH
C817
6.3V220
R835
33K
R836
100K
R837
100K
R838
100K
R839 68K
R840
68K
R832
1K
R891
33K
R833
33K
R885 1K
R826
100K
R829
47K
R825 100K
R823 1K
R824 1K
R827
10K
R828
10K
R868
1K
R816
10K
R815
3.3K
R869
1K
R899
1K
S819 PWR
R810
22K
0V
0.7V
0V


CN300
MUTEB
PLLCLK
PLLDATA
PLLCE
MONO
STEREO
SD
9V
REQIN
EQIGND
LEQIN
HISPD
TO MAIN CIRCUIT (W300) (PAGE 28)
Q820
BA1L4MTA
MUTING
Q805
2SC2001KTA
MUTING
Q802
Q801
Q805
D811 BU5387
D810 1SS254TA
D809 1SS254TA
D808 MTZJ5R1BTA
D802 1SS254TA
D801 1SS254TA
S820
HI SPEED EDIT
X801
X802
CN307
REST SW
SMCK
CD RST
STATUS
D MUTE
SLBQ
SQCK
BLKCK
TLOCK
FLOCK
SENSE
MLD
MDATA
MCLK
P GND
CD 7.5V
TX
LD SW
AGND
CD 5V
CD RCH
A GND
CD LCH
TO SERVO CIRCUIT (CN702) (PAGE 25)
IC802
S-806G-Z
RESET
Vdd
GND
O/P
Q801,Q802
2SC2785FTA
BUFFER (BEAT PROOF)
REV
FWD
TRL
STL
PLY
STO
CDL
TUNER
MBP2
MBP1
VSS
XOUT
XIN
RESET
VOL
RNDM
AFCLK
AFDA
CDRST
TNO
STAT
PLLCK
PLLCE
PLLDA
S801 TAPE
S802 TUNER
S803 CD
S804 PRESET TUN −
S805 PRESET TUN +
S806 MANUAL TUN −
S807 MANUAL TUN +
S808 MEMORY
S809 VOLUME DOWN
S810 VOLUME UP
S811 PLAY/PAUSE
S812 CD STOP
S813 FWD SKIP
S814 REV SKIP
S815 CD EJECT
S816 DISC 1
S817 DISC 2
S818 DISC 3



D LOADING MOTOR CIRCUIT

E POWER SUPPLY CIRCUIT



BATTERY CIRCUIT