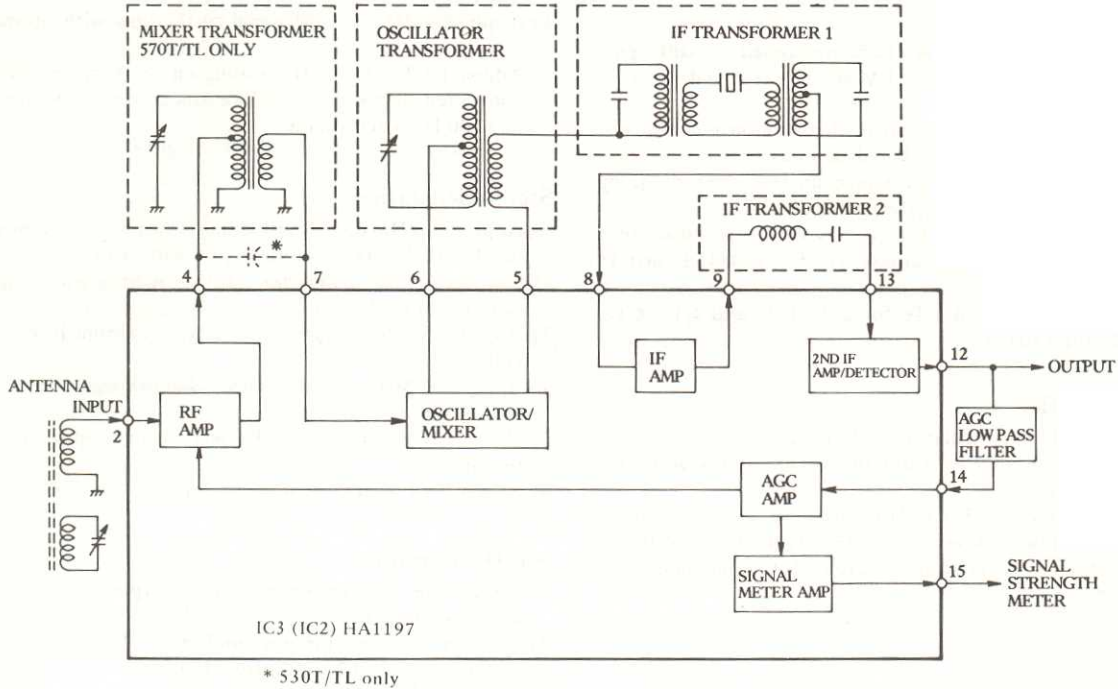


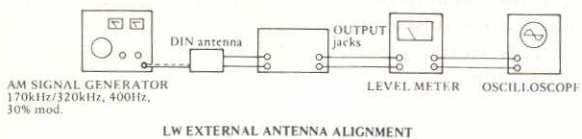
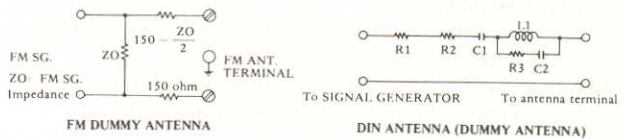
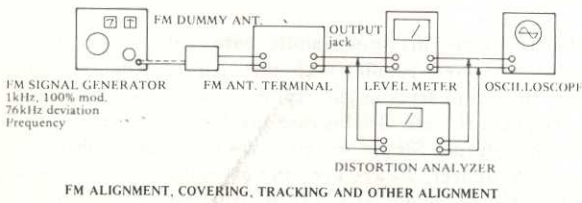
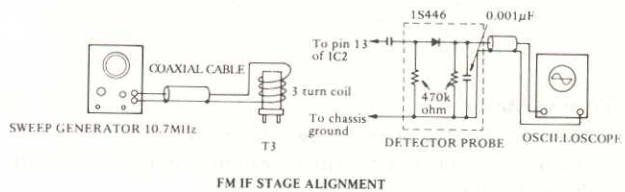
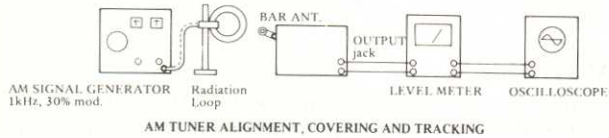
# Scott 530T/TL, 570T/TL

Block Diagram of IC3 (IC2)



## ADJUSTMENT

### Test Set-Ups



## Equipment Required

Audio signal generator.  
Distortion analyzer.  
DC voltmeter.  
Oscilloscope.  
Digital frequency counter, 0–100 kHz.  
FM multiplex signal generator.

## FM RF Tracking

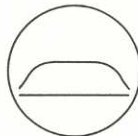
- 1) Apply 90 MHz, 1 kHz and 100% modulated, 65 dBf signal with 76 kHz deviation to the FM antenna terminal.
- 2) Tune the unit to 90 MHz.
- 3) Observe the oscilloscope connected to the output terminal for symmetrical sine wave. If failed, adjust T4.
- 4) Adjust T1, T2, and T3 for maximum level meter reading (connected in parallel with the oscilloscope).
- 5) Readjust the signal generator for 106 MHz, and retune unit.
- 6) Repeat step 3), if failed, adjust CTg for 570T[L], or CTF for 530T[L].
- 7) Adjust CTa, CTc, and CTe for 570T[L], and CTa, CTc, and CTd for 530T[L].

## FM IF Amplifier

- 1) Mute the FM local oscillator by shorting CV4.
- 2) Apply 10.7 MHz signal from the sweep generator to T3. See Set-up figure.
- 3) Adjust T5 and T6 (570TL[L] only) for correct figure as provided below. It may be necessary to increase or decrease the sweep generator output for adjustment convenience.



Correct



Incorrect  
as too low



Incorrect  
as too narrow

## Tuning Meter

- 1) Remove signal generator output from the unit.
- 2) Adjust T7 for exact center reading on the FM Center Tuning meter.

## FM IF Distortion

- 1) Apply 98 MHz, 1 kHz and 100% modulated, 65 dBf signal to the unit.
- 2) Adjust T8 for minimum distortion on the distortion analyzer connected to the Speaker output terminal.

## Signal Strength Meter [FM]

- 1) Apply 98 MHz, 90 dB signal to the unit.
- 2) Tune the unit for 98 MHz.
- 3) Adjust RV1 (or RV7 in the 530T/TL) for 90% reading on the signal strength meter.

## Mute Circuit

- 1) Apply 98 MHz, 20 dBf signal to the unit.
- 2) Tune the unit (with the Mute switch in the Off position).
- 3) Set the Mute switch to the On position.
- 4) Adjust RV5 for 570T[L], and RV6 for 530T[L] so that the signal is muted.

## Pilot Signal (76 kHz)

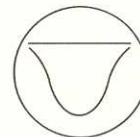
- 1) Apply 98 MHz, 65 dBf signal to the unit with no modulation.
- 2) Adjust RV3 for 76 kHz reading on the frequency counter connected between TP and chassis ground. The deviation of  $\pm 200$  Hz is acceptable.

## Stereo Separation

- 1) Apply 98 MHz, 65 dBf left channel signal to the unit modulated with 1 kHz, 9% pilot signal with 6.75 kHz deviation.
- 2) Connect a DC voltmeter to the right channel speaker output terminal.
- 3) Adjust RV4 for minimum leakage (minimum level) on the voltmeter.
- 4) Apply 98 MHz, 65 dBf right channel signal to the unit modulated same as step 1).
- 5) Move DC voltmeter to the left channel speaker output terminal.
- 6) Adjust RV4 again for minimum level.

## AM IF Amplifier

- 1) Apply 455 kHz sweep generator output to the unit AM antenna terminal.
- 2) Connect scope to the pin number 12 of IC3 for 570T[L] and pin number 12 of IC2 for 530T[L].
- 3) Adjust T13 to obtain maximum and symmetrical display as shown below.



## AM Tracking

- 1) Apply 600 kHz, 30% modulated with 1 kHz to the AM bar antenna. See test setup figure (Distance between the AM bar antenna and emitting loop antenna should be 2 foot).
- 2) Adjust signal generator output so that a sine wave appears on the scope.
- 3) Adjust T14 for maximum audio output on the DC voltmeter connected parallel with the scope. When turning core, the audio level might rapidly increase and the voltmeter goes off scale. In this case, always decrease the signal generator output for proper level. Do not change voltmeter range. Moreover, always keep the generator output as low as possible to avoid AGC action (this will prevent inaccurate adjustments).
- 4) Adjust the AM loopstick antenna core for maximum output reading on the voltmeter.
- 5) Shift generator frequency to 1,400 kHz with same modulation condition.

## Scott 530T/TL, 570T/TL

- 6) Repeat 2).
- 7) Adjust CTd(570T), CT3(570TL), CTe(530T) or CT2 (530TL), for maximum voltmeter reading.
- 8) Adjust CTb and CTf(570T), CT1 and CT2(570TL), CTb (530T), or CT1 (530TL), for maximum reading on the voltmeter.
- 9) Repeat above procedure again.

### Long Wave Tracking (570TL and 530TL only)

- 1) Apply 170 kHz generator output modulated 30% with 400 Hz. See test set-up figure. Set two antennas in a distance of 2 foot. Set the EXT antenna switch to INT position.
- 2) Adjust T15 so that the generator signal is tuned in. Adjust long wave loop stick antenna core (and T11 for 570TL, in addition) for maximum output from the speaker output terminal.
- 3) Shift generator frequency to 320 kHz with same modula-

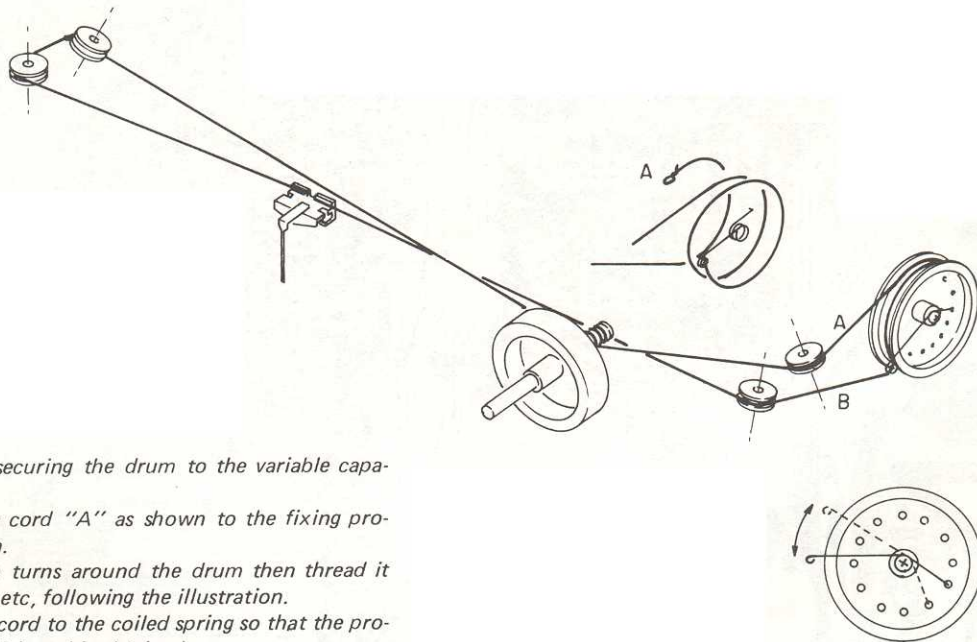
tion condition.

- 4) Adjust CT7 for 570TL and CT5 for 530TL for maximum output from the speaker output terminal.
- 5) Adjust CT4 and CT6 for 570TL and CT3 for 530TL for maximum output from the speaker output terminal.
- 6) Repeat above procedure.

### External Long Wave Antenna Tuning (570TL and 530TL only)

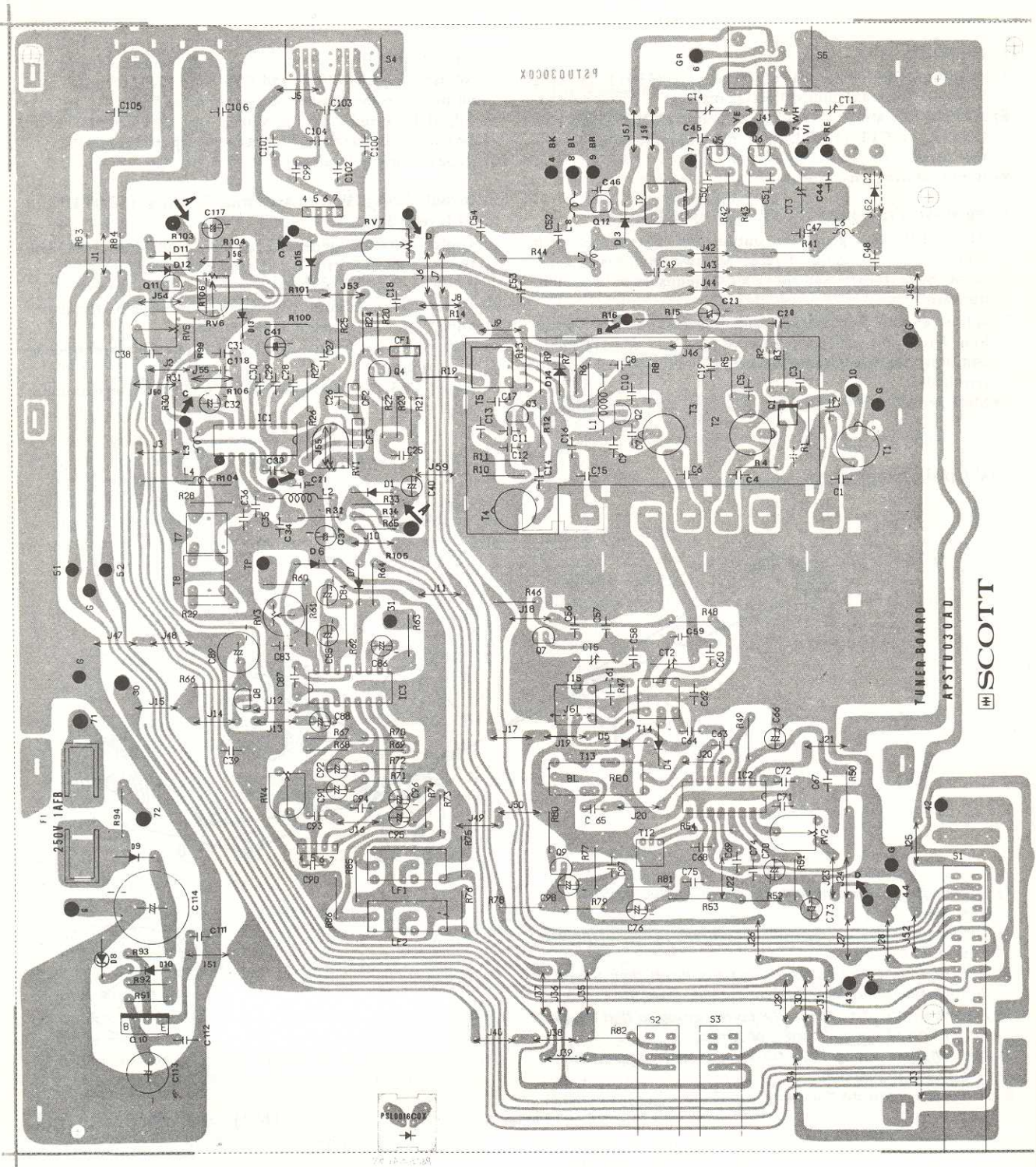
- 1) Apply 170 kHz generator output modulated 30% with 400 Hz audio. Set the EXT antenna switch to EXT position. Use DIN antenna as seen in set-up figure.
- 2) Adjust generator output to observe sine wave on the scope.
- 3) Adjust T9 for maximum audio output.
- 4) Shift generator frequency to 320 kHz with same modulation condition.
- 5) Adjust CT5 for 570TL and CT4 for 530TL for maximum audio output.

### Dial Cord Stringing



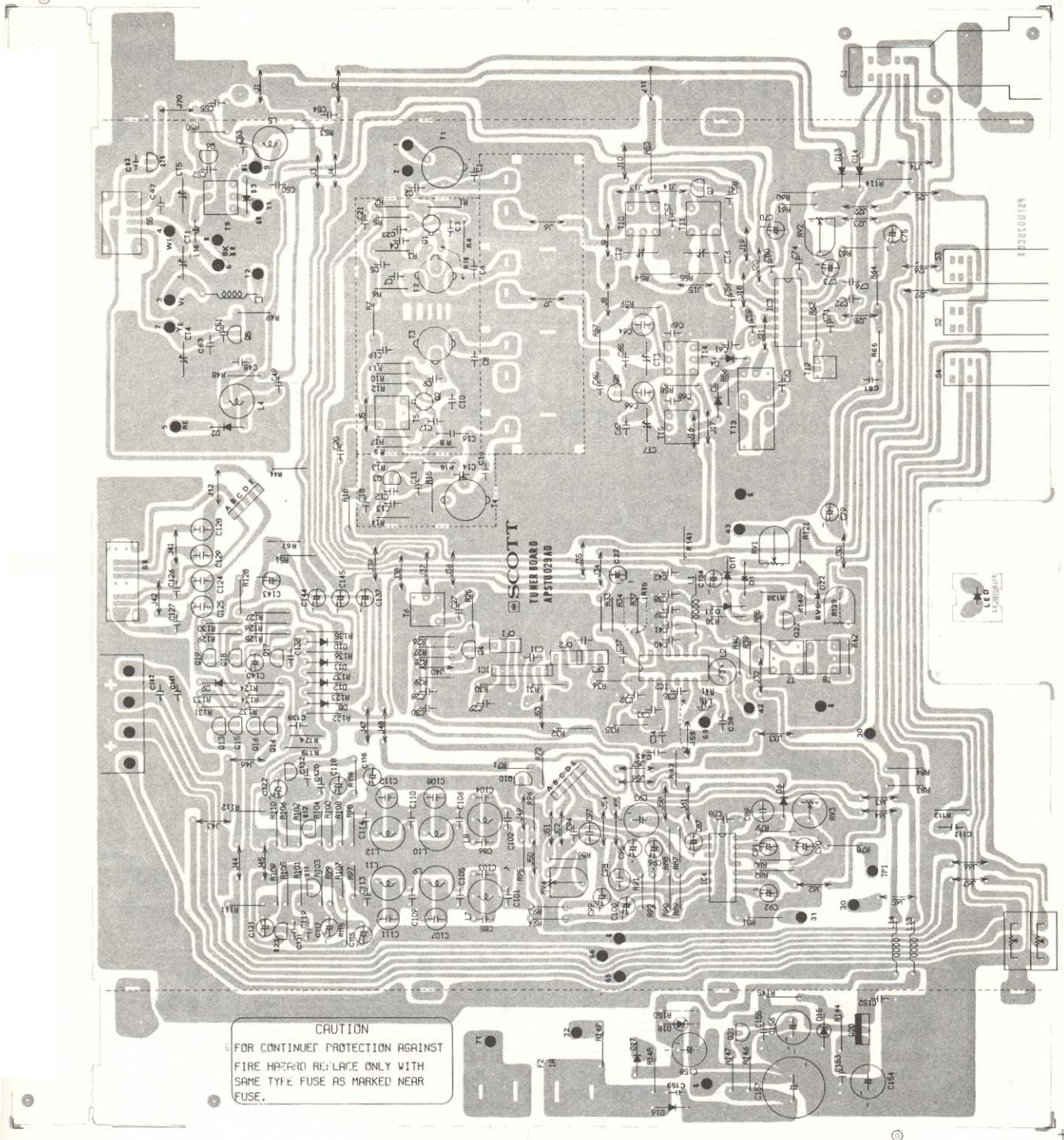
- 1) Loosen the screw securing the drum to the variable capacitor shaft.
- 2) Tie the end of the cord "A" as shown to the fixing protrusion on the drum.
- 3) Wind the cord two turns around the drum then thread it through the rollers, etc, following the illustration.
- 4) Tie the end of the cord to the coiled spring so that the proper tension of the dial cord is obtained.
- 5) Align the pointer position for the correct frequency indication on the tuning dial.
- 6) Secure the screw on the drum.

# PARTS LOCATION DIAGRAM: 530T/TL



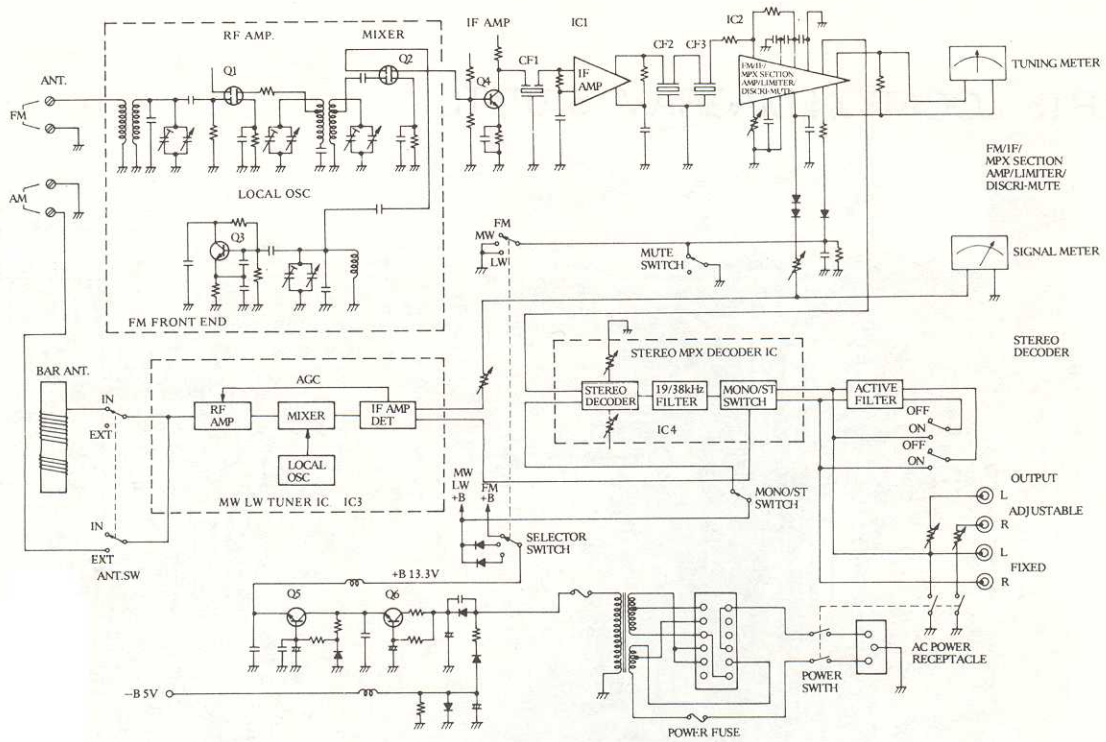
# Scott 530T/TL, 570T/TL

## PARTS LOCATION DIAGRAM: 570T/TL

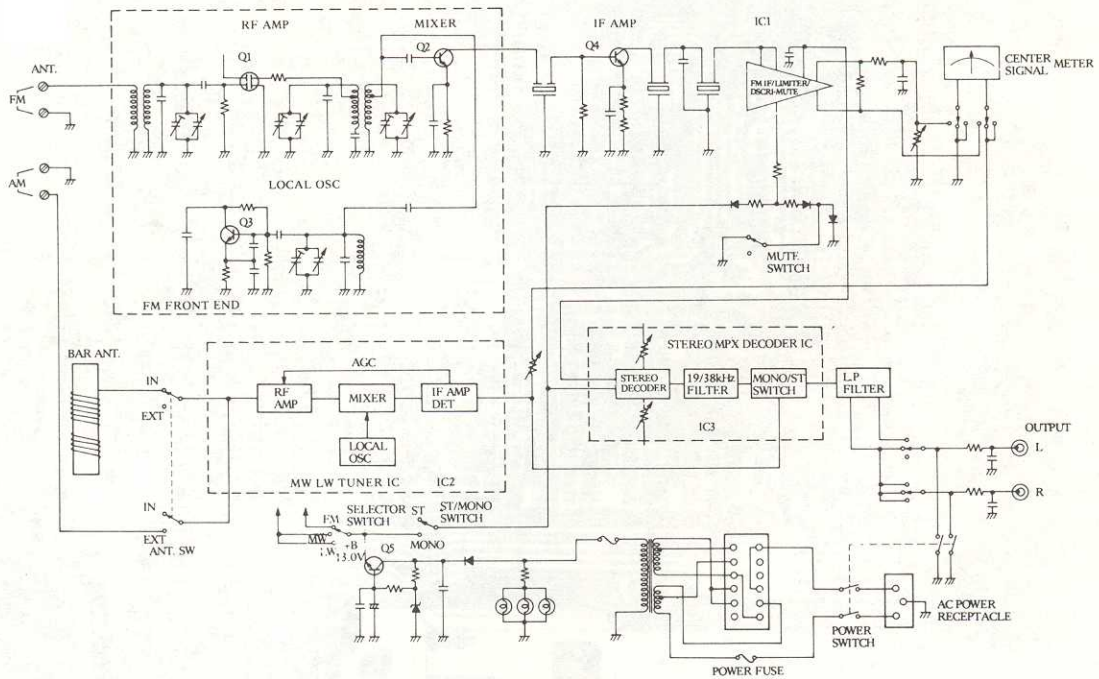


# BLOCK DIAGRAMS

570T/TL



530T/TL



# SCHEMATIC DIAGRAM: 530T

Q1  
3SK73(Y)



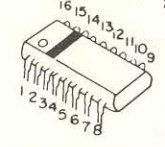
Q2  
2SC1923 (O,R)



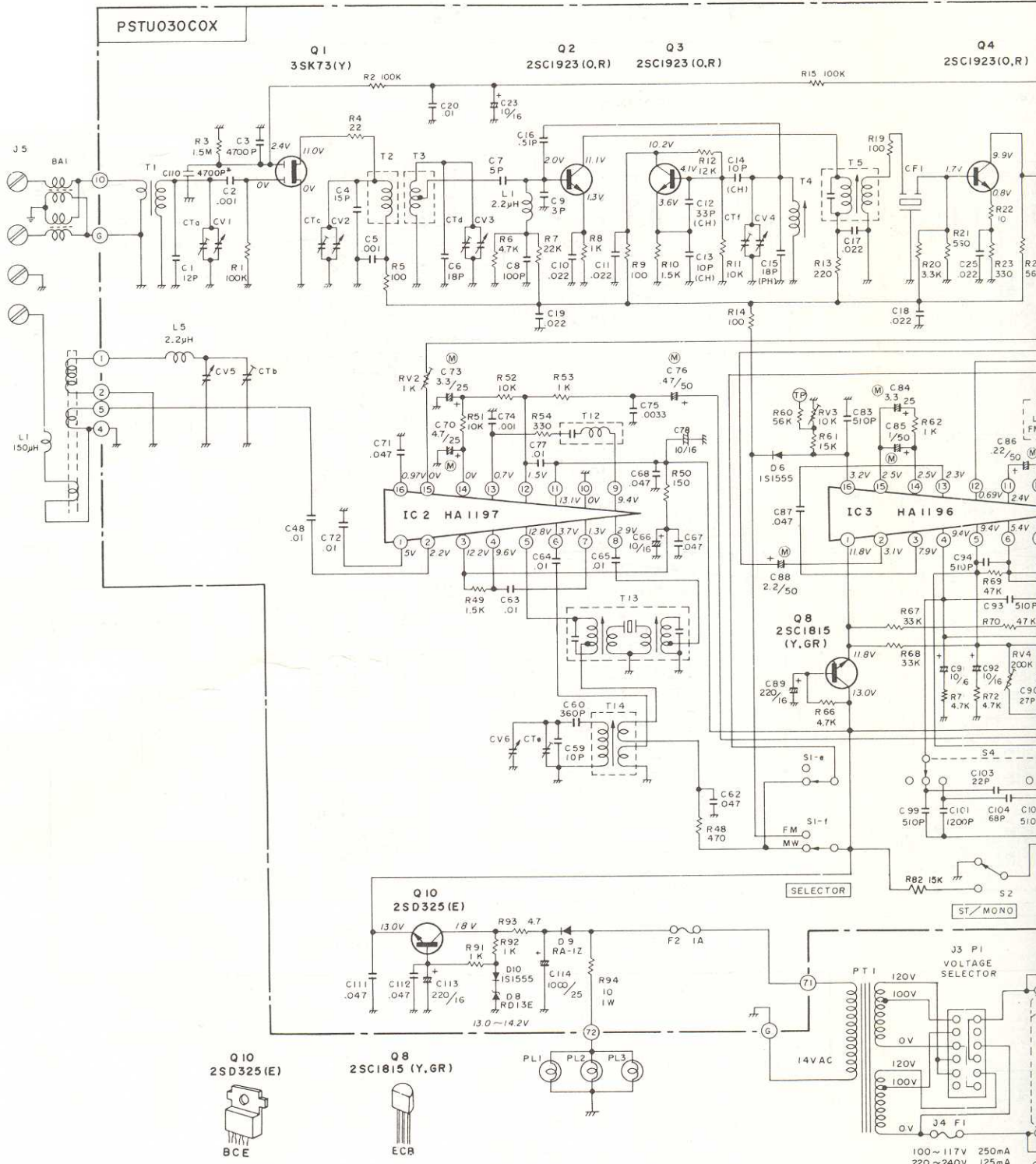
Q3  
2SC1923 (O,R)



IC3 HA1196



Q4  
2SC1923 (O,R)



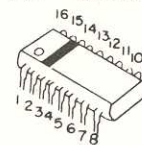
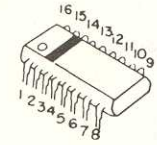
IC3 HA1196

Q4

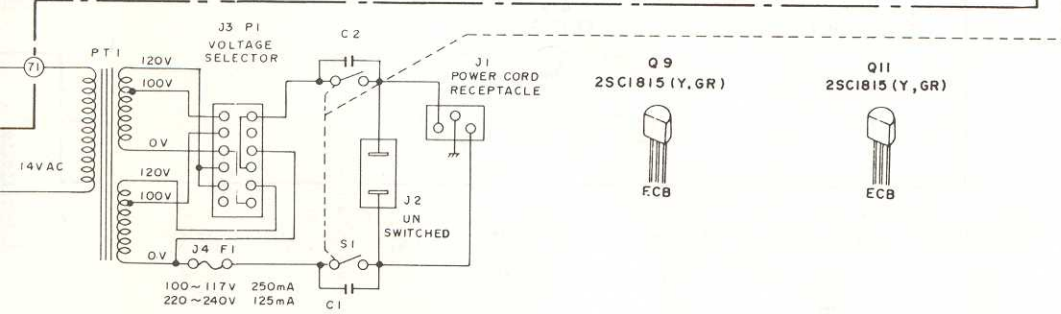
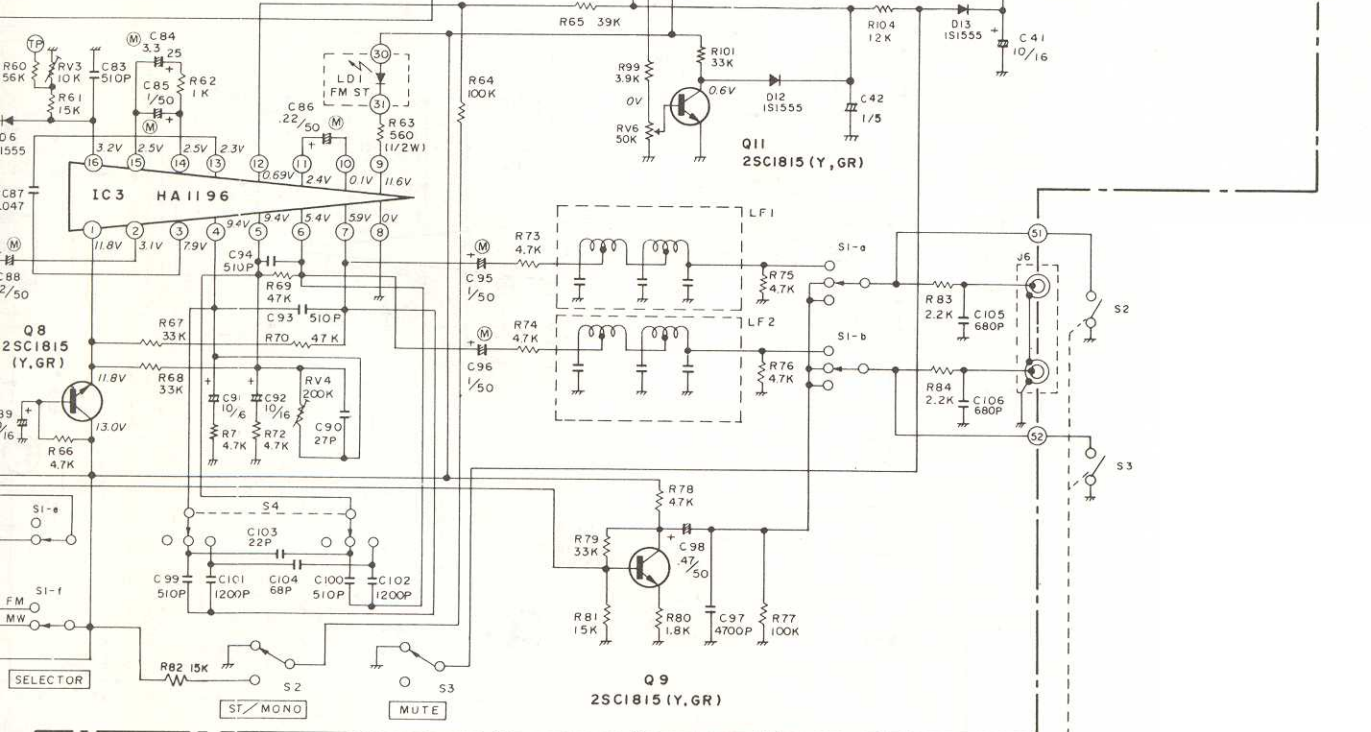
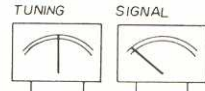
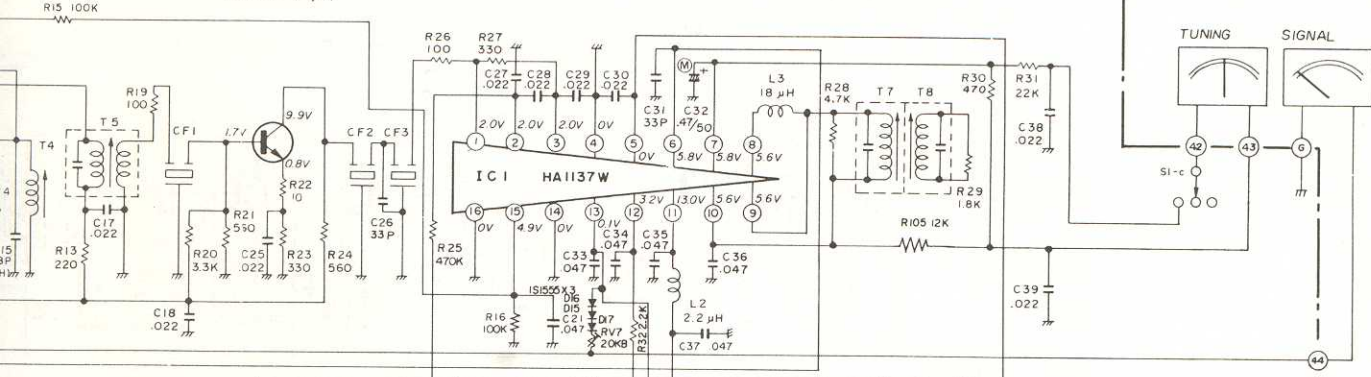
2SC1923(O,R)

IC1 HA1137W

IS1555  
RD13E  
RA-1Z



Q4  
2SC1923(O,R)



NOTES

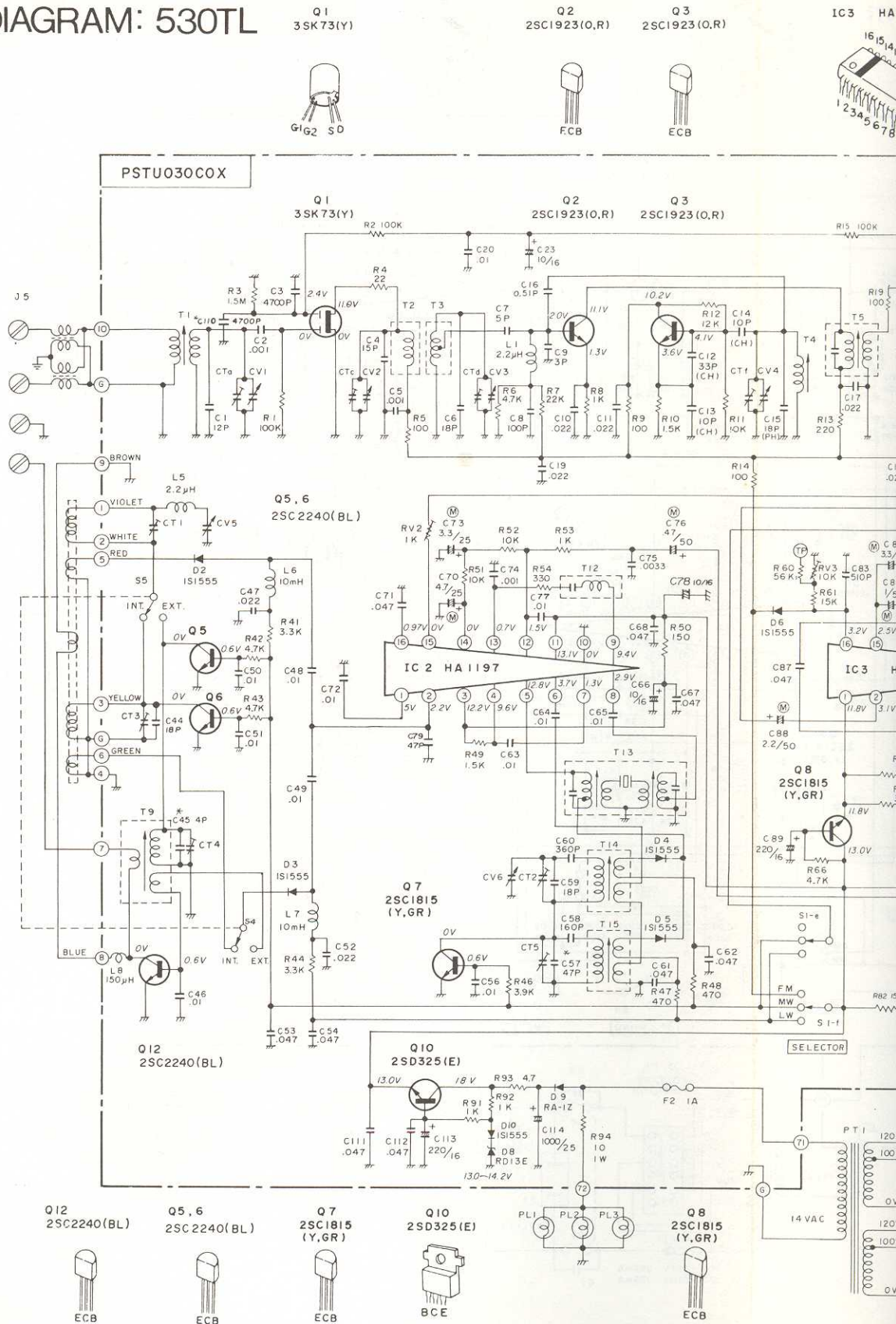
- 1 ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT NO SIGNAL.
- 2 CAPACITOR'S VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED. P=PICO FARAD.
3. RESISTOR'S VALUES ARE IN OHM. K=K OHM
4. \*VARIABLE





# Scott 530T/TL, 570T/TL

## SCHEMATIC DIAGRAM: 530TL



Q1  
3SK73(Y)



Q2  
2SC1923(O,R)



Q3  
2SC1923(O,R)



IC3 HA



Q12  
2SC2240(BL)



Q5,6  
2SC2240(BL)



Q7  
2SC1815(Y,GR)



Q10  
2SD325(E)



PL1 PL2 PL3

Q8  
2SC1815(Y,GR)



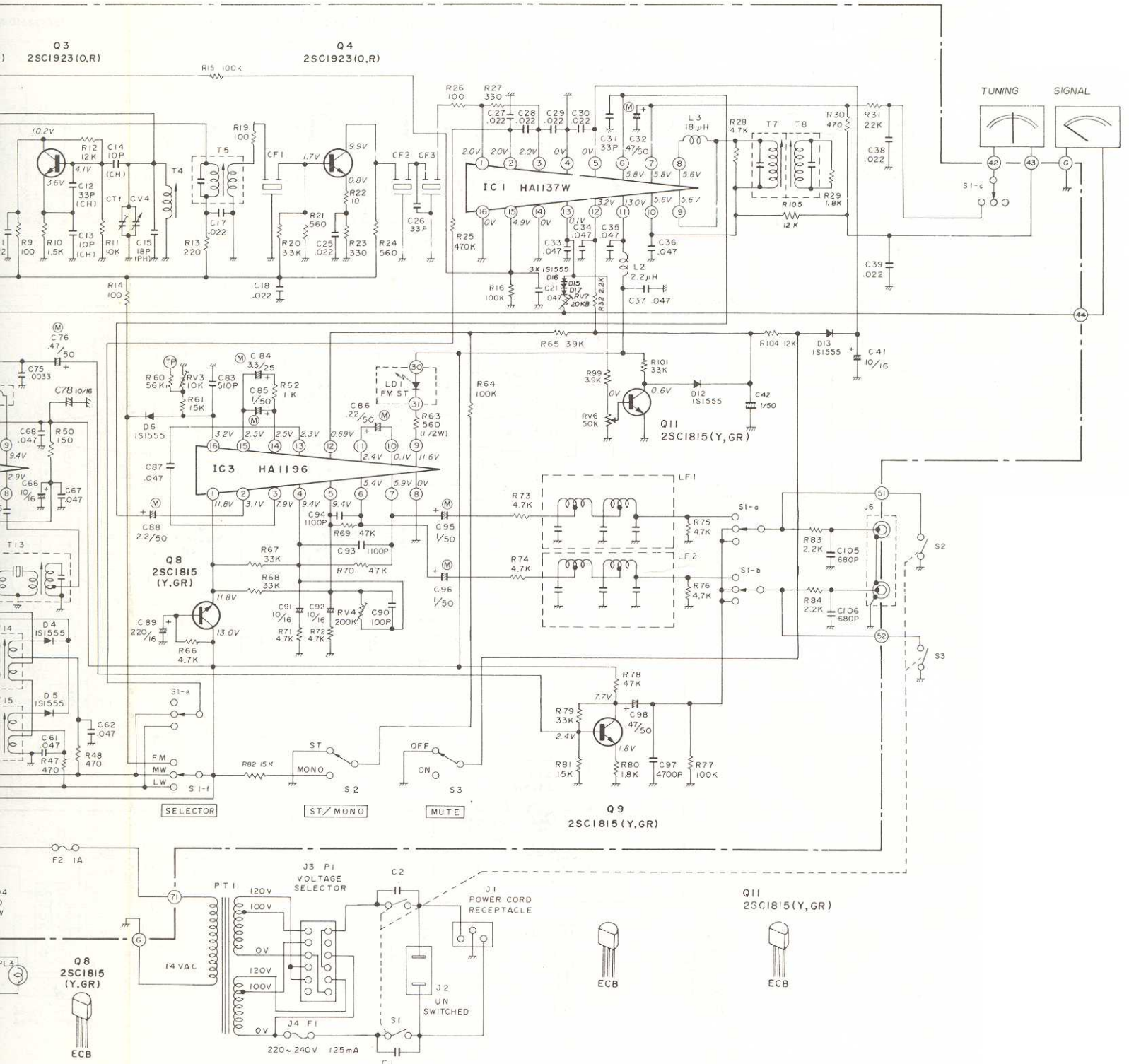
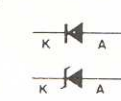
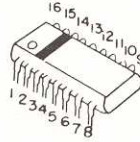
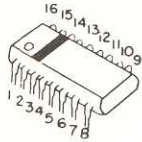
Q3  
2SC1923(O,R)

IC3 HA1196

Q4  
2SC1923(O,R)

IC1 HA1137W

IS1555  
RD13E  
RA-12

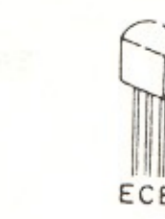
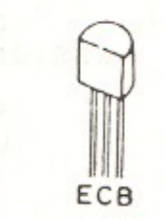
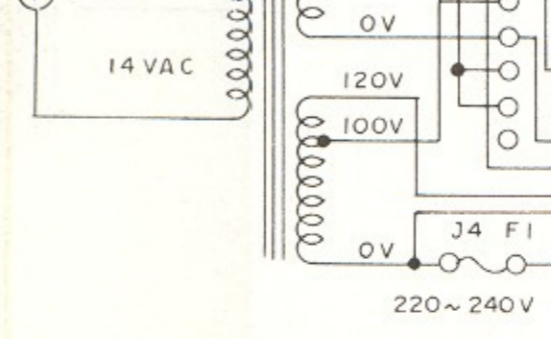
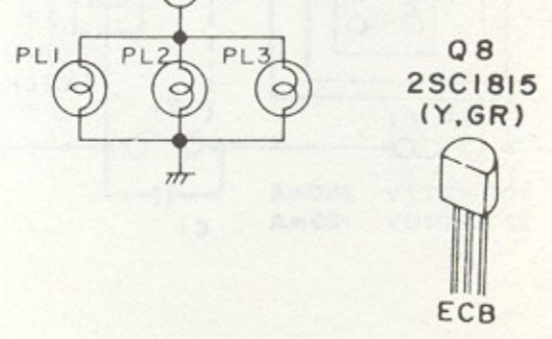
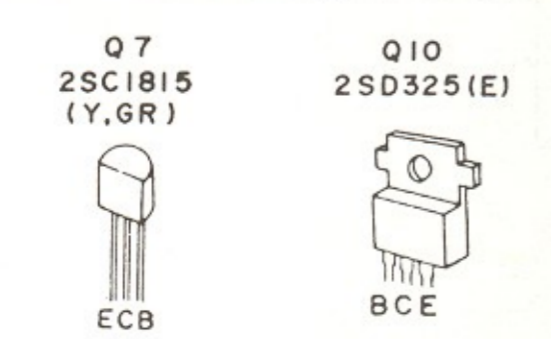
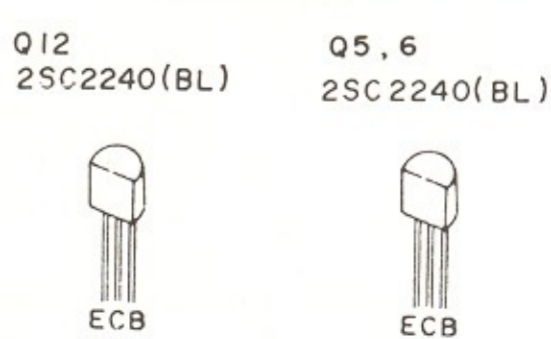
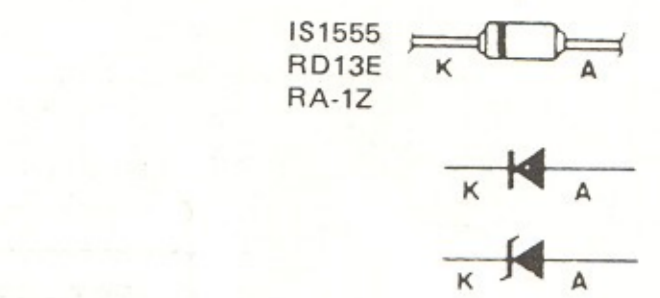
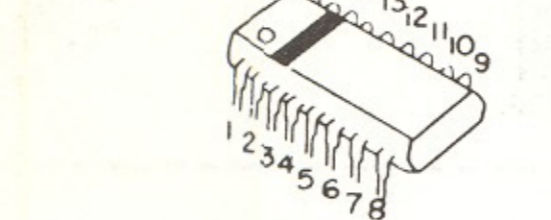
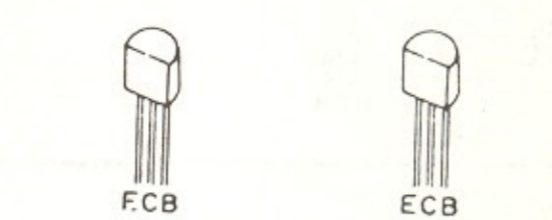
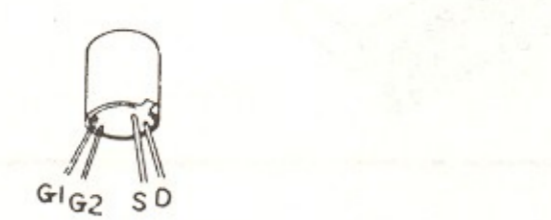
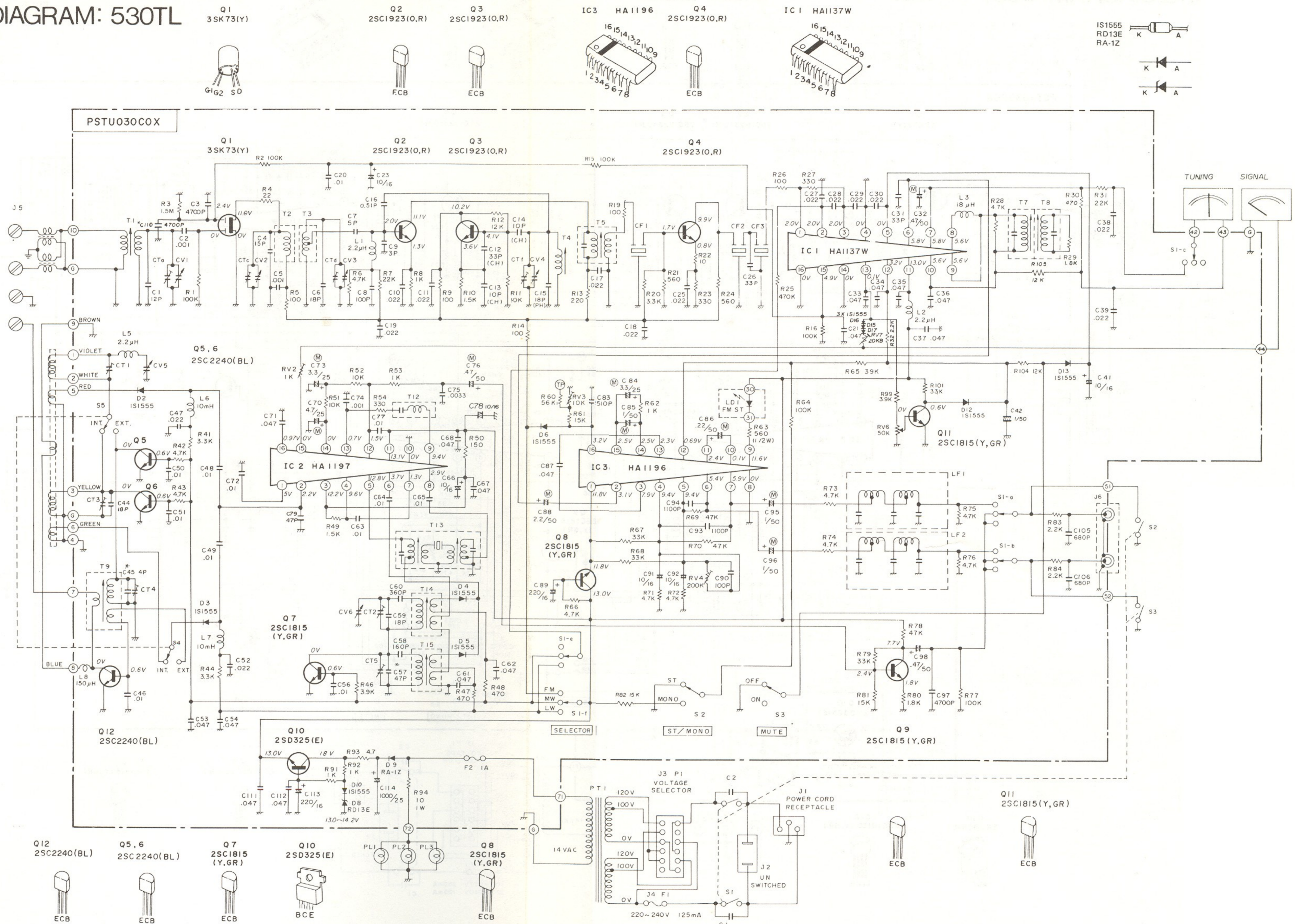


- NOTES
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  2. CAPACITOR'S VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED. P=PICO FARAD
  3. RESISTOR'S VALUES ARE IN OHM. K=KOHM
  4. \*VARIABLE

# SCHEMATIC DIAGRAM: 530TL

## Scott 530T/TL, 570T/TL

1000 M-READ OUT



NOTES  
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 4. \*VARIABLE

530T/TL

PSTU030COX

| Symbol No.                            | Description                   | Part Code  |
|---------------------------------------|-------------------------------|------------|
| S1 (530TL)                            | Slide switch, 6P-3T, MW/LW/FM | SH060303ZB |
| S1 (530T)                             | " 6P-2T, AM/FM                | SH060201ZB |
| S2, 3                                 | " 2P-2T, Stereo-Mono, Mute    | SL020215ZB |
| S4 (530TL)                            | " 2P-2T, LW Antenna SW        | SS020233ZA |
| S5 (530T)                             | " 4P-3T, Deemphassis          | SS040305ZL |
| Q1                                    | FET, 3SK73                    | QTL0073XAT |
| Q2-4                                  | Transistor, 2SC1923           | QTC1923XAT |
| Q5 (530TL), 6 (530TL),<br>12 (530TL)  | " 2SC2240                     | QTC2240XAT |
| Q7 (530TL), 8, 9, 11                  | " 2SC1815                     | QTC1815XAT |
| Q10                                   | " 2SD325                      | QTD0325XAC |
| IC1                                   | IC, HA1137W                   | QQMA1137AB |
| IC2                                   | " HA1197                      | QQMA1197AB |
| IC3                                   | " HA1196                      | QQMA1196AB |
| D2-6 (530TL except<br>D6), 10, 12, 13 | Silicon diode, 1S155          | QDSS1555XT |
| D8                                    | Zenner diode, RD13E (13V)     | QDZRD13EXA |
| D9                                    | Silicon diode, RA-1Z          | QDSRA1ZXXD |
| D15                                   | " MA26T0-A                    | QVEMA26TAN |
| L1, 2                                 | RFC, 2.2 $\mu$ H              | LCADA3038A |
| L3                                    | " 18 $\mu$ H                  | LF180JC01K |
| L6 (530TL), 7 (530TL)                 | " 10mH                        | LF103KC01S |
| L8 (530TL)                            | " 150 $\mu$ H                 | LF151KA01T |
| RV2                                   | Trimming resistor, 1k (B)     | RPGNB10201 |
| RV3                                   | " 10k (B), Dust-proof         | RPJNB10302 |
| RV4                                   | " 200k (B)                    | RPGNB20401 |
| RV6                                   | " 50k (B)                     | RPGNB50301 |
| RV7                                   | " 20k (B)                     | RPGNB20301 |
| T1                                    | RFT, FM antenna               | TRA7JZ004S |
| T2, 3                                 | " FM RF, FM mixer             | TR10MQ003M |
| T4                                    | " FM osc                      | TRA7JZ003S |
| T5                                    | IFT, FM IF                    | TR10MA003S |
| T7                                    | " "                           | TR10MM013M |
| T8                                    | " "                           | TR10MM014M |
| T9 (530TL)                            | RFT, Long wave RF             | TR10MZ001M |

| Symbol No.  | Description                            | Part Code  |
|---|--|------------|
| T12   | IFT, AM IF                             | TR07BM001M |
| T13   | „ (+ Filter), AM IF/filter             | FBR455A18Q |
| T14   | RFT, AM osc                            | TR10MZ002M |
| T15 (530TL)   | „ Long wave osc                        | TR10MZ003M |
| CF1-3   | Ceramic filter, 10.7 MHz, dual-element | FB10R7F14M |
| LF1, 2  | Lowpass filter, MPX output             | FJRR38L04C |
| CT1-4 (530TL)   | Trimming capacitor, 8p                 | CTX1080P06 |
| CT5 (530TL)   | „ 15p                                  | CTX1150P01 |
| CV (530T)   | Variable capacitor, 6-gang             | CVA2433G02 |
| CV (530TL)  | „ 6-gang                               | CVA2433G01 |
| R63   | Metal-oxide film R, 560, 1/2W          | RGHANJ561N |
| R94   | „ 10, 1W                               | RX1ANJ100N |
| C1  | Ceramic capacitor, 12p                 | CCGB120KOT |
| C2, 5   | „ 0.001                                | CKGB102KBT |
| C3, 97  | „ 0.0047                               | CKFB472KBT |
| C4  | „ 15p                                  | CCGB150KOT |
| C6, 44 (530TL),<br>59 (530TL)   | „ 18p                                  | CCGB180KOT |
| C7  | „ 5p                                   | CCGB050DOT |
| C8, 90 (530TL)  | „ 100p                                 | CCGB101KOT |
| C9  | „ 3p                                   | CCGB030DOT |
| C10, 11, 17, 18, 25,<br>27-30, 38, 39, 47<br>(530L), 52 (530TL)                       | „ 0.022                                | CKFB223ZFT |
| C12   | „ 33p                                  | CCFB330KCT |
| C13, 14   | „ 10p                                  | CCGB100DCT |
| C15   | „ 18p (PH)                             | CCGB180KPT |
| C16   | Minic capacitor, 0.51p                 | CG2HR51KNN |
| C20, 46 (530TL),<br>48-51 (530TL except<br>C48), 56, 63-65,<br>72, 115                | Ceramic capacitor, 0.01                | CKFB103ZFT |
| C21, 33-37, 53 (530TL),<br>54 (530TL), 61 (530TL),<br>62, 67, 68, 71, 87,<br>111, 112 | „ 0.047                                | CKFB473ZFT |
| C23   | Electrolytic capacitor, 10, 16V        | CEVD100ALX |
| C26, 31   | Ceramic capacitor, 33p                 | CCGB330KOT |
| C32, 76, 38   | Electrolytic-capacitor, 0.47           | CEEGR47ZMN |
| C41, 66, 78, 91, 92   | Electrolytic capacitor, 10, 16V        | CEWD100ALX |
| C42   | „ 1                                    | CEAG010ALX |
| C45   | Ceramic capacitor, 4p                  | CCGB040COT |
| C57   | „ 47p                                  | CCGB470KOT |
| C58   | Styroflex capacitor, 160p              | CQSC161JCF |
| C60   | „ 360p                                 | CQSC361JCF |
| C59 (530T)  | Ceramic capacitor, 10p                 | CCGB100DOT |
| C70   | Electrolytic capacitor, 4.7, 25V       | CEEE4R7ZMN |
| C73, 84   | „ 3.3, 25V                             | CEEE3R3ZMN |
| C74   | Mylar capacitor, 0.001                 | CQMB102KTH |

## Scott 530T/TL, 570T/TL

| Symbol No.   | Description                       | Part Code  |
|--|-----------------------------------|------------|
| C75  | Mylar capacitor, 0.0033           | CQMB332KTH |
| C77  | " 0.01                            | CQMB103KTH |
| C79  | Ceramic capacitor, 47p            | CCDB470KOT |
| C83, 93 (530T),<br>94 (530T), 99 (530T),<br>100 (530T) | Styroflex capacitor, 510p         | CQSC511JCF |
| C85, 95, 96  | Electrolytic capacitor, 1 (MS)    | CEEG010ZMN |
| C86  | " 0.22                            | CEEGR22ZMN |
| CC88   | " 2.2                             | CEEG2R2ZMN |
| C89, 113   | " 220, 16V                        | CEAD221ALX |
| C90 (530T)   | Ceramic capacitor, 27p            | CCGB270KOT |
| C101 (530T),<br>102 (530T)                             | Mylar capacitor, 1200p            | CQMB122K1H |
| C103 (530T)  | Ceramic capacitor, 22p            | CCGB220KOT |
| C104 (530T)  | " 68p                             | CCGB680KOT |
| C105, 106  | " 680p                            | CKGB681KBT |
| C93 (530TL),<br>94 (530TL)                             | Styroflex capacitor, 1100p        | CQSC112JCF |
| C110   | Ceramic capacitor, 4700p          | CKFB472KBT |
| C114   | Electrolytic capacitor, 1000, 25V | CEEE102ALX |

### PSLD016COX

|     |          |            |
|-----|----------|------------|
| LD1 | LED, Red | QLAR5531KR |
|-----|----------|------------|

### Main Chassis

|       |   |                          |
|-------|---|--------------------------|
| PT1   | Power transformer, Youth  | TPE48001Y                |
| J1    | AC power receptacle, UL/CSA listed  | YJA03S002U               |
| J2    | AC accessory outlet, UL/CSA listed  | YJA020005U               |
| J3    | Voltage selector receptacle   | YJZ10S001U               |
| P1    | Voltage selector plug   | YPZ06S004U               |
| J4    | Fuse holder, UL listed  | YHF1S3001U               |
| J5    | Antenna terminals   | YTD04S004U               |
| J6    | RCA jacks, Output   | YPJ02S009U               |
| S1    | Lever switch, Power, (US/Canada)<br>" (Europe)  | SL020219VA<br>SL020220SA |
| C1, 2 | US/Canada:<br>Ceramic capacitor, 0.0047, 125VAC<br>Europe:<br>Oil-paper capacitor, 0.01, 450VAC | CKDX472PMM<br>CNST103MAN |
| F1    | US/Canada:<br>Fuse, primary, 250mA, 250V<br>Europe:<br>Fuse, primary, 125mA, 250V               | ZFBQ25104V<br>ZFBQ13103V |
| F2    | Fuse, secondary, 1A, 250V   | ZFBQ10203Z               |
| S2, 3 | Leaf switch, Audio mute, etc.   | SF010115ZE               |
| M1    | Meter, Signal, 500 $\mu$ A  | ZMG2052N01               |

| Symbol No.  | Description                       | Part Code   |
|-------------|-----------------------------------|-------------|
| M2          | Meter, Center-tuning, 250 $\mu$ A | ZMF4052K01  |
| BA2 (530T)  | Ferrite loop-stick antenna, AM    | TEAR155E01  |
| BA2 (530TL) | " Long wave                       | TEAR200M01  |
| PL1-4       | Lamp, 14V/80mA                    | ZPA1481103U |
| L1 (530T)   | RFC, 150 $\mu$ H                  | LF151KA01T  |
| L5          | " 2.2 $\mu$ H                     | LCADA3038A  |
| BA1         | FM antenna balance                | TV750301A2  |
| C3          | Ceramic capacitor, 0.022          | CKDB223ZFM  |

### Mechanical Component

| Exploded View No. | Description               | Part Code  |
|-------------------|---------------------------|------------|
| 49                | Escutcheon (530T)         | AM530T**02 |
| "                 | " (530TL)                 | AM530TL*02 |
| 57                | Cabinet cover             | MU897SX011 |
| 54                | Bottom plate              | MS986SL002 |
| 56                | Bottom plate leg          | VM280EB001 |
| 1                 | Front chassis             | MB972SL002 |
| 31                | Rear panel                | MB972SE037 |
| 22                | Side chassis bridge, left | MU852SL002 |
| 24                | " right                   | MU852SL001 |
| 16                | Dial scale bridge         | ML942SM001 |
| 48                | Dial pointer              | MJ312SM001 |
| 12                | Dial scale (530T)         | VS843AC001 |
| "                 | " (530TL)                 | VS843AC002 |
| 47                | Pointer bracket           | VK121NB001 |
| 21                | Stringing pulley, left    | MS546SZ002 |
| 17                | " right                   | MZ333SZ001 |
| 2                 | Tuning flywheel assembly  | AVFLYWL009 |
| 8                 | Lamp housing              | VB632SW001 |
| 15                | Mounting bracket holder   | MC371SZ002 |
| 52                | Knob, Tuning              | MN386AA026 |
| 50                | " Mode                    | MN376AA019 |
| 51                | " ST-Mono, Mute           | VN360SX001 |
| 53                | " Power                   | VN370SX001 |



## Scott 530T/TL, 570T/TL

### REPLACEMENT PARTS LIST: 570T/TL

PSTU029COX

| Symbol No.  | Description                          | Part Code  |
|---|--------------------------------------|------------|
| S1 (570T)   | Slide switch, AM/FM, 2P-2T           | SH020201ZB |
| S1 (570TL)  | " MW/LW/FM, 2P-3T                    | SH020301ZB |
| S2-4  | " Stereo/Mono, Mute, MPX Fil., 2P-2T | SL020215ZB |
| S5 (570TL)  | " Antenna Int-Ext, 2P-2T             | SS020233ZB |
| S6 (570T)   | " 75-50-25 $\mu$ S, 4P-3T            | SS040305ZL |
| J1  | RCA jacks, 4-pin, Outputs            | YJP04S016U |
| VR1   | VR, 20k(A), Output Level             | RVQA203A01 |
| CV (570TL)  | Variable capacitor, 7-gang, Tuning   | CVA3433G03 |
| CV (570T)   | " 7-gang, Tuning (Alps)              | CVA3433G02 |
| IC1   | IC, $\mu$ PC555H, IF amplifier       | QQM00555BA |
| IC2   | " HA11225, quadrature detector       | QQM11225AB |
| IC3   | " HA1197, AM RF/IF                   | QQMA1197AB |
| IC4   | " HA1196, PLL decoder                | QQMA1196AB |
| Q1, 2   | FET, 3SK45                           | QT10045XXB |
| Q3, 4   | Transistor, 2SC1923                  | QTC1923XAT |
| Q5 (570TL), 6 (570TL),<br>10, 25 (570TL)          | " 2SC2240                            | QTC2240XAT |
| Q7 (570TL), 8 (570TL),<br>12-14, 17, 19           | " 2SC1815                            | QTC1815XAT |
| Q15, 16, 18, 23, 24                               | " 2SA1015                            | QTA1015XAT |
| Q20   | " 2SD325                             | QTD0325XAC |
| Q21   | " 2SC1509                            | QTC1509XBN |
| D1-14 (570T except<br>D2-5, 12-14), 17,<br>19, 21 | Silicon diode, 1S1555                | QDSS1555XT |
| D15   | Zenner diode, RD13E (13V)            | QDZRD13EXA |
| D16   | Silicon diode, RA-1Z                 | QDSRA1ZXXD |
| L1, 3, 13, 14                                     | RFC, 2.2 $\mu$ H                     | LCADA3038A |
| L2  | " 18 $\mu$ H                         | LF180JC01K |
| L4 (570TL), 5 (570TL)                             | " 10mH                               | LF103KC01S |
| L7, 8   | " 68mH                               | LF683JC01K |
| L9, 10  | " 56mH                               | LF563JC01K |
| L11, 12   | " 39mH                               | LF393JC01K |
| L16 (570TL)                                       | " 150 $\mu$ H                        |            |
| T1  | RFT, FM antenna                      | TRA7JZ007S |
| T2  | " FM RF                              | TR10MQ002M |
| T3  | " FM mix                             | TR10MQ003M |
| T4  | " FM local                           | TR10MQ004M |
| T5, 6   | " FM IF                              | TR10MA013S |
| T7  | " "                                  | TR10MM013M |
| T8  | " "                                  | TR10MM014M |
| T9 (570TL)  | " Long wave antenna                  | TR10MZ001M |
| T10   | " AM RF                              | TR10MN006M |
| T11 (570TL)                                       | " Long wave RF                       | TR10MP005M |
| T12   | " AM IF                              | TR07BM001M |
| T13   | " (Filter), AM IF, filter            | FBR455A18Q |
| T14   | RFT, AM osc                          | TR10MZ002M |
| T15 (570TL)                                       | " Long wave osc                      | TR10MZ003M |

Certain parts are used solely for the single model specified in bracket which follows the symbol No.

| Symbol No.   | Description                      | Part Code   |
|--|----------------------------------|-------------|
| D22, 23  | Silicon diode, 1N60              | QDGI1N60XXT |
| RV1  | Trimming resistor, 20k (B)       | RPGNB20301  |
| RV2  | " 1k (B)                         | RPGNB10201  |
| RV3  | " 10k (B), Dust-proof            | RPGNB10302  |
| RV4  | " 200k (B)                       | RPGNB20401  |
| RV5  | " 10k (B)                        | RPGNB10301  |
| CF1-3  | Ceramic filter, 10.7 MHz, FM IF  | FB10R7F14M  |
| CT1-6 (570TL)  | Trimming capacitor, 8p*          | CTX1080P06  |
| CT7 (570TL)  | " 15p                            | CTX1150P01  |
| R81  | Metal-oxide-film R, 560**, 1/2W  | RGHAPJ561N  |
| R149   | " 10, 1W                         | RX1ANJ100N  |
| C1   | Ceramic capacitor, 15p           | CCDB150KOT  |
| C2, 4, 9, 101  | " 0.001                          | CKDB102ZFT  |
| C3   | " 0.0047                         | CKDB472ZFT  |
| C5, 7, 10, 19, 21, 27,<br>48-53 (570TL except<br>C49), 58-62 (570TL<br>except C59, 61, 62),<br>80, 83 (570TL), 159 | " 0.01                           | CKFB103ZFT  |
| C6   | " 18p                            | CCDB180KOT  |
| C7   | "                                |             |
| C8   | " 18p                            | CCGB180KOT  |
| C10  | "                                |             |
| C11, 17, 18, 28-34,<br>44, 45  | " 0.022                          | CKFB223ZFT  |
| C12  | " 33p                            | CCFB330KCT  |
| C13, 63 (570TL)  | " 10p                            | CCGB100DCT  |
| C14  | " 10p (UJ)                       | CCDB100DUM  |
| C15  | " 22p                            | CCGB220KRT  |
| C16  | Minic capacitor, 3p              | CG2H3R9KNN  |
| C20, 82, 131, 132  | Ceramic capacitor, 47p           | CCGB470KOT  |
| C24  | " 0.0047                         | CKDB472PEM  |
| C35  | " 33p                            | CCGB330KOT  |
| C36  | Electrolytic, 0.47, 50V          | CEAGR47ZMN  |
| C38-40, 41, 42,<br>54-57 (570TL except<br>C56), 68 (570TL),<br>69, 71, 74, 88, 152,<br>153, 155,                   | Ceramic capacitor, 0.047         | CKFB473ZFT  |
| C43  | " 4700p                          | CKDB472PEM  |
| C46  | Electrolytic, 1                  | CEAG010ALX  |
| C47 (570TL)  | Ceramic capacitor, 4p            | CCGB040COT  |
| C64  | Styroflex capacitor, 360p        | CQSC361JCF  |
| C65  | Ceramic capacitor, 15p           | CCGB150KOT  |
| CC66 (570TL)   | Styroflex capacitor, 150p        | CQSC151JCF  |
| C67 (570TL)  | Ceramic capacitor, 39p           | CCGB391KOT  |
| C70, 78, 95, 96, 140   | Electrolytic capacitor, 10, 16V  | CEWD100ALX  |
| C73  | " 4.7, 25V                       | CEEE4R7ZMN  |
| C75, 90  | Electrolytic capacitor, 3.3, 25V | CEEE3R3ZMN  |
| C76  | Mylar capacitor, 0.001           | CQMB102KTH  |

\* All capacitors are rated in micr-farad and have the voltage rating of 50V, unless otherwise specified.

\*\* Resistors are rated in ohm and have the wattage rating of 1/4W, unless otherwise specified.

# SCHEMATIC DIAGRAM: 570T

Q1  
3SK45(B)



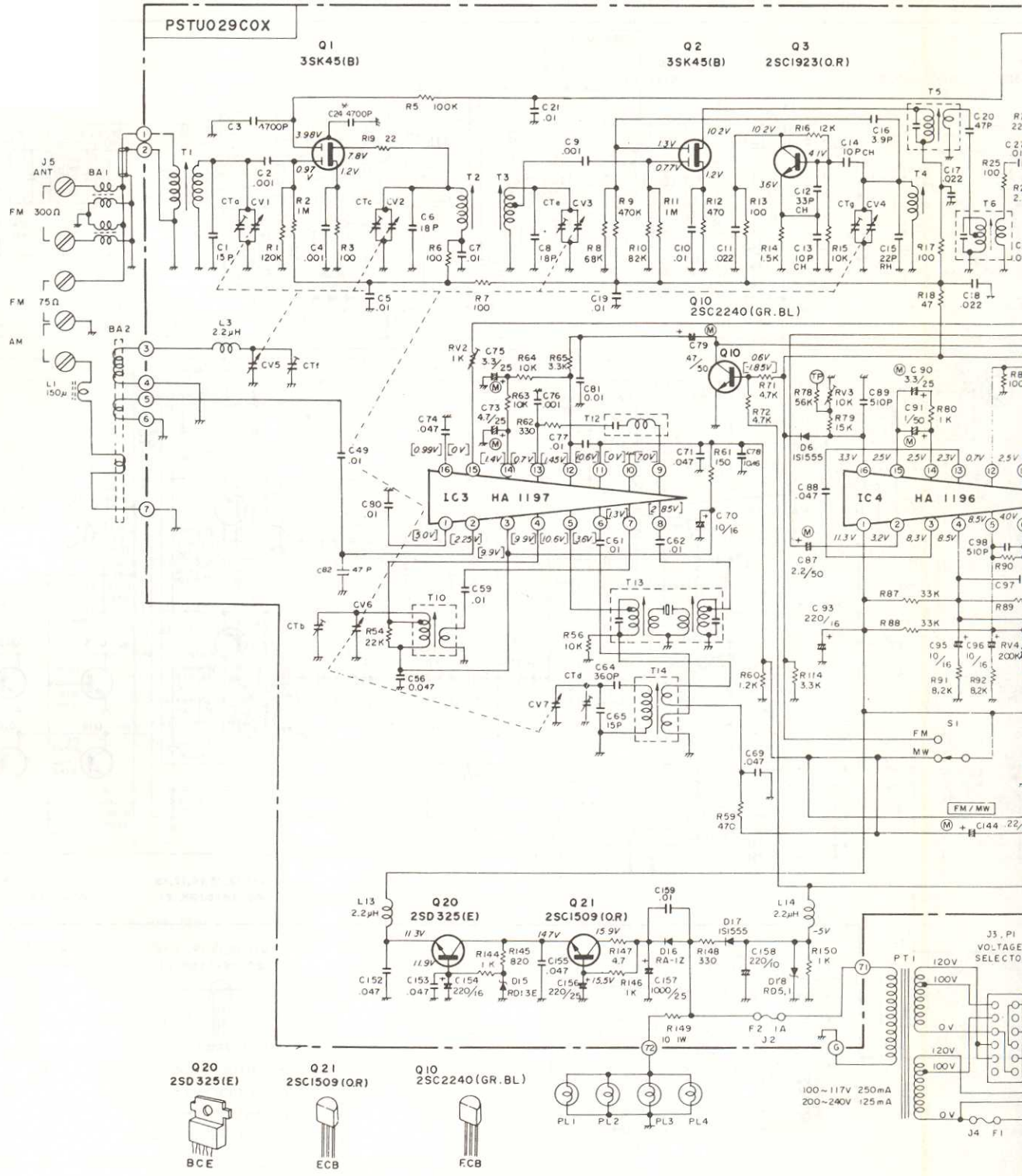
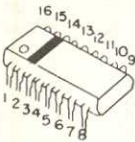
Q2  
3SK45(B)



Q3  
2SC1923(O.R)



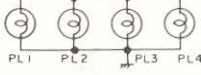
IC4 HA 1196



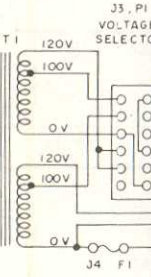
Q20  
2SD325(E)  
BCE

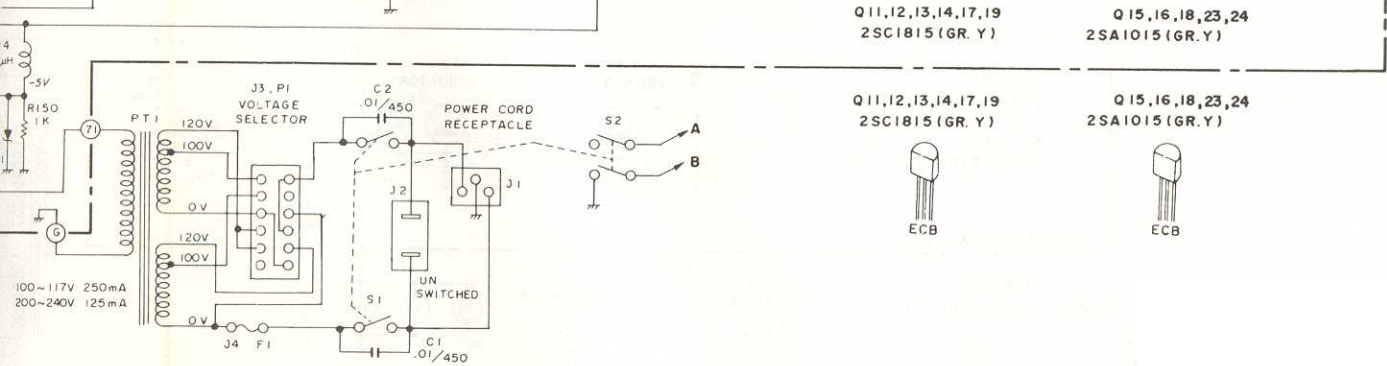
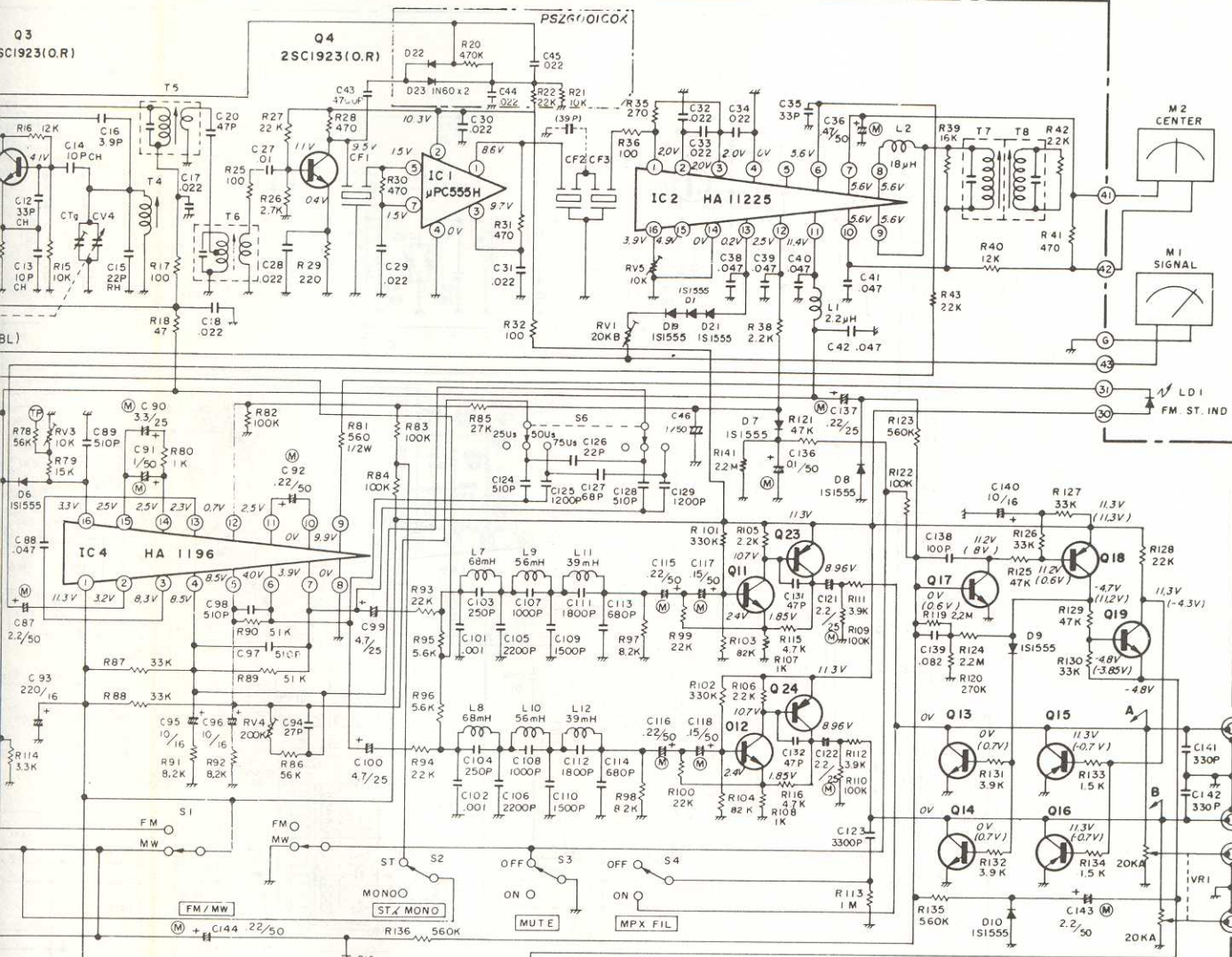
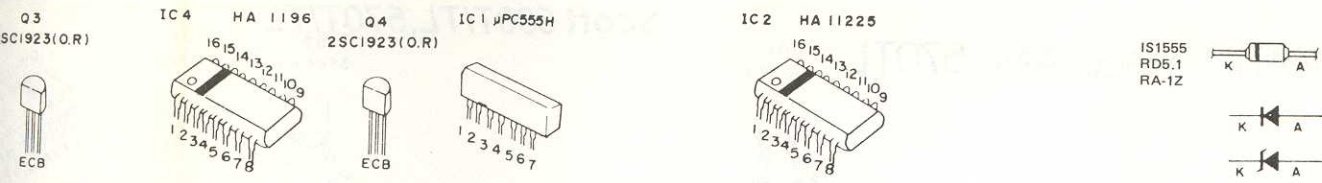
Q21  
2SC1509(O.R)  
ECB

Q10  
2SC2240(GR. BL)  
FCB



100-117V 250mA  
200-240V 125mA

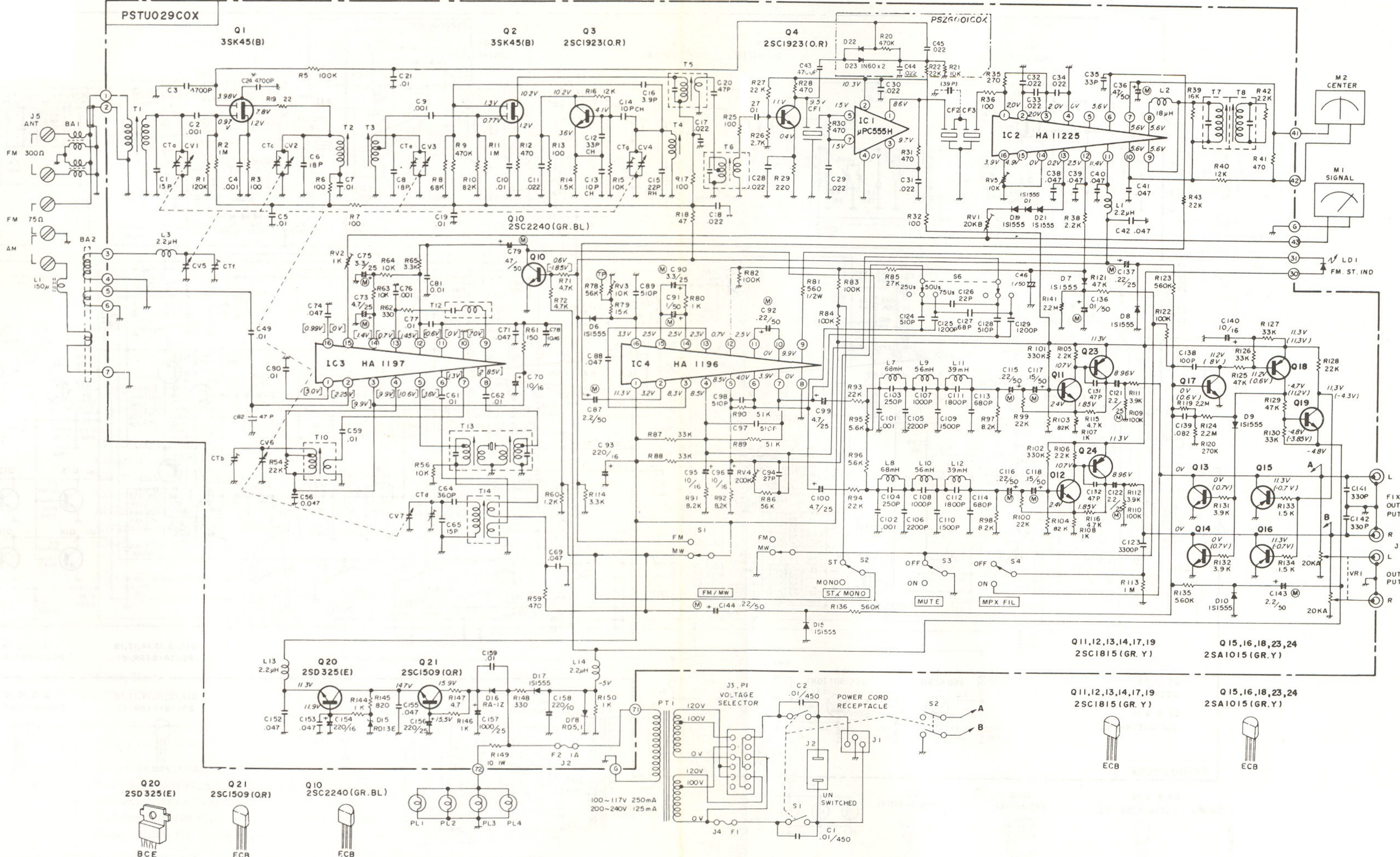
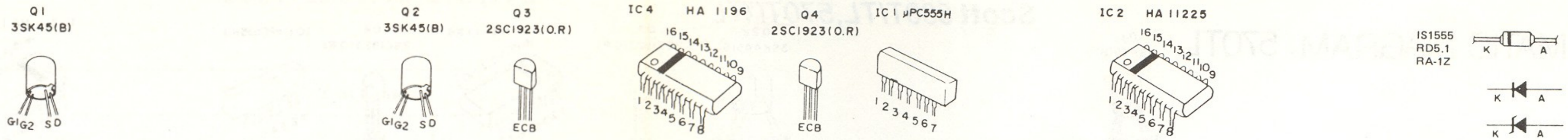




NOTE

- 1 ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT NO SIGNAL.
- 2 CAPACITOR'S VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED P=PICO FARAD
- 3 RESISTOR'S VALUES ARE IN OHM K=K OHM
- 4 VOLTAGES IN ( ) WHEN MUTE ON
- 5 VOLTAGES IN [ ] WHEN AM
- 6 \*VARIABLE

# SCHEMATIC DIAGRAM: 570T

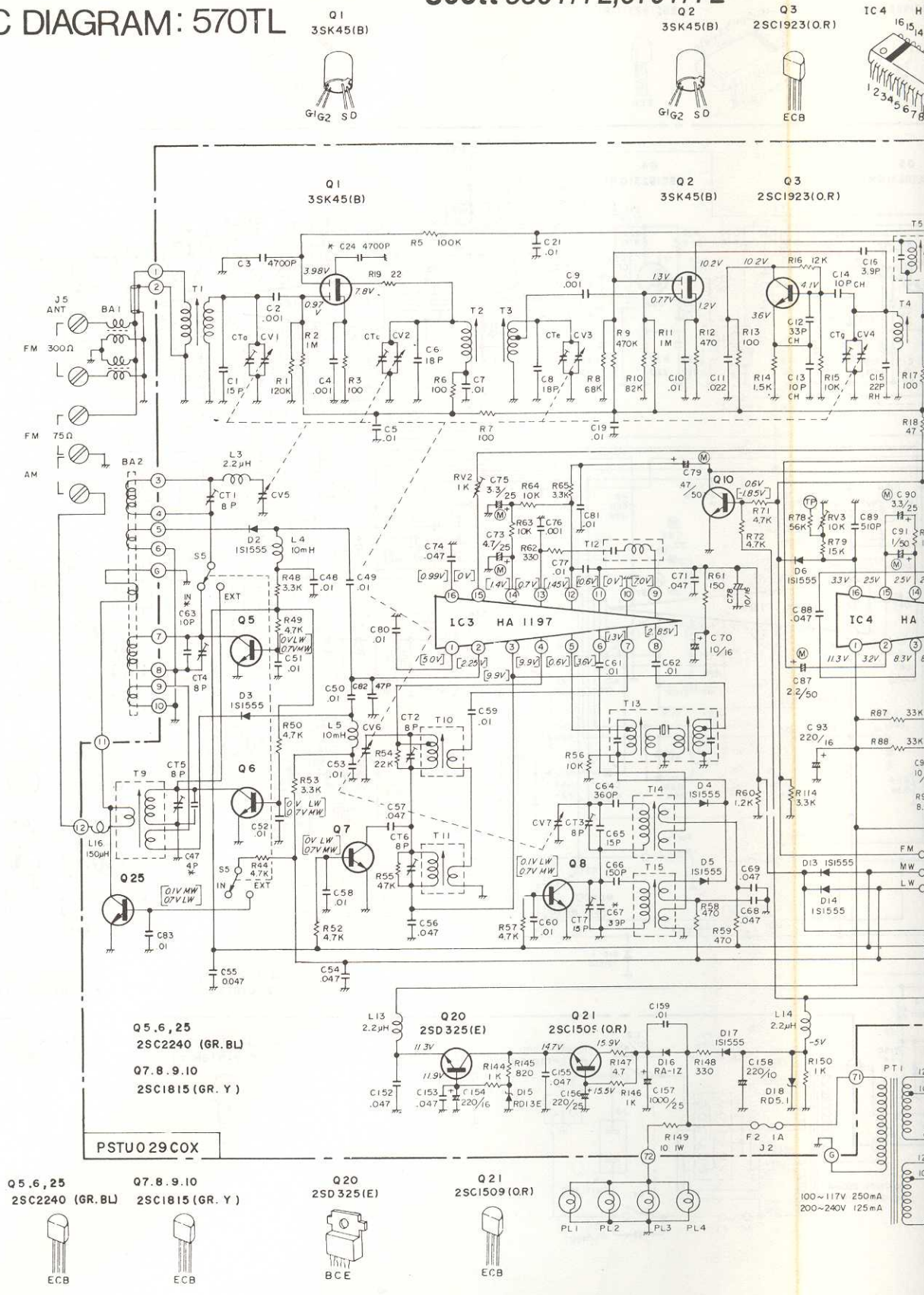


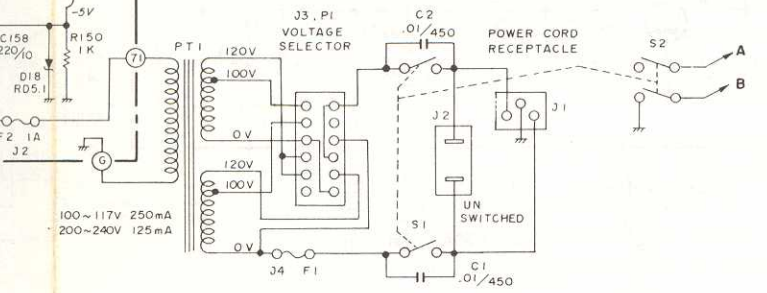
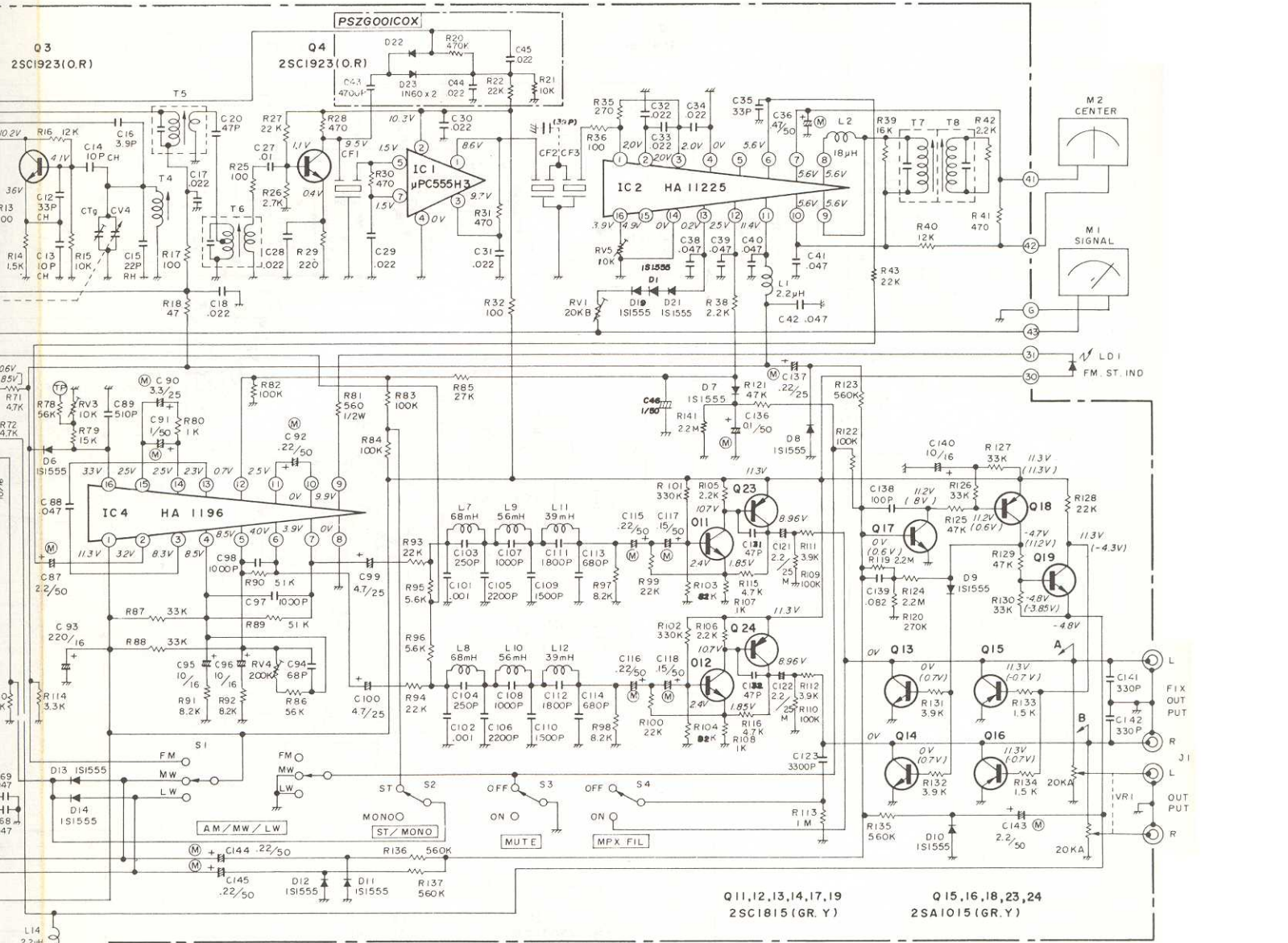
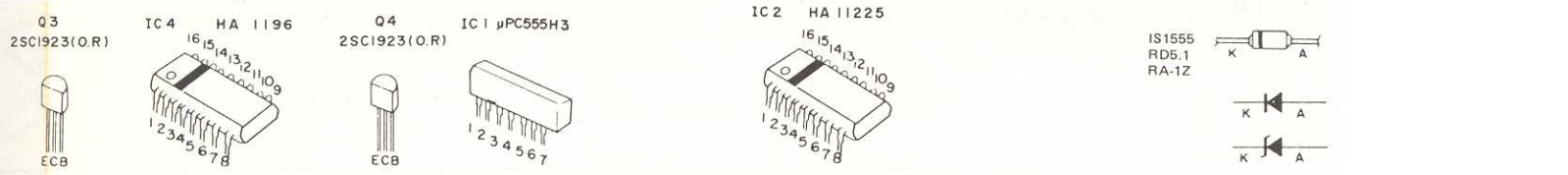
NOTE

- ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT NO SIGNAL
- CAPACITOR'S VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED
- P=PICO FARAD
- RESISTOR'S VALUES ARE IN OHM, K=K OHM
- VOLTAGES IN ( ) WHEN MUTE ON
- VOLTAGES IN [ ] WHEN AM
- \*VARIABLE

# SCHEMATIC DIAGRAM: 570TL

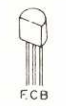
## Scott 530T/TL, 570T/TL





Q11,12,13,14,17,19 2SC1815 (GR. Y)  
Q15,16,18,23,24 2SA1015 (GR. Y)

Q11,12,13,14,17,19 2SC1815 (GR. Y)  
Q15,16,18,23,24 2SA1015 (GR. Y)

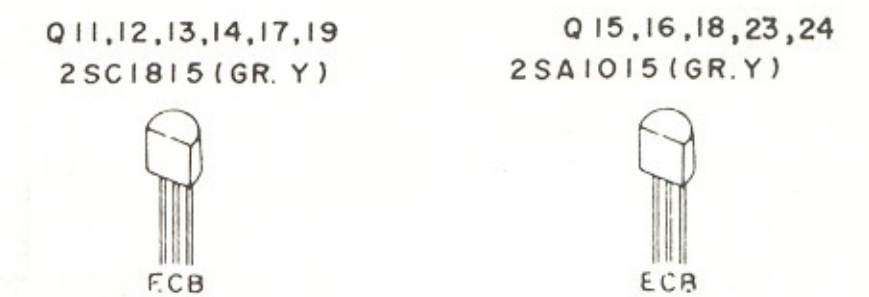
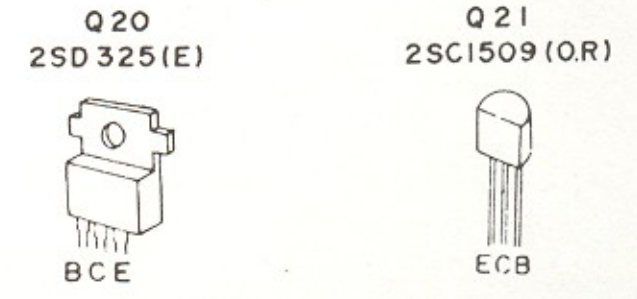
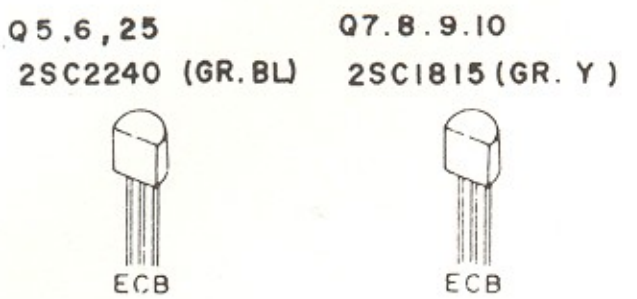
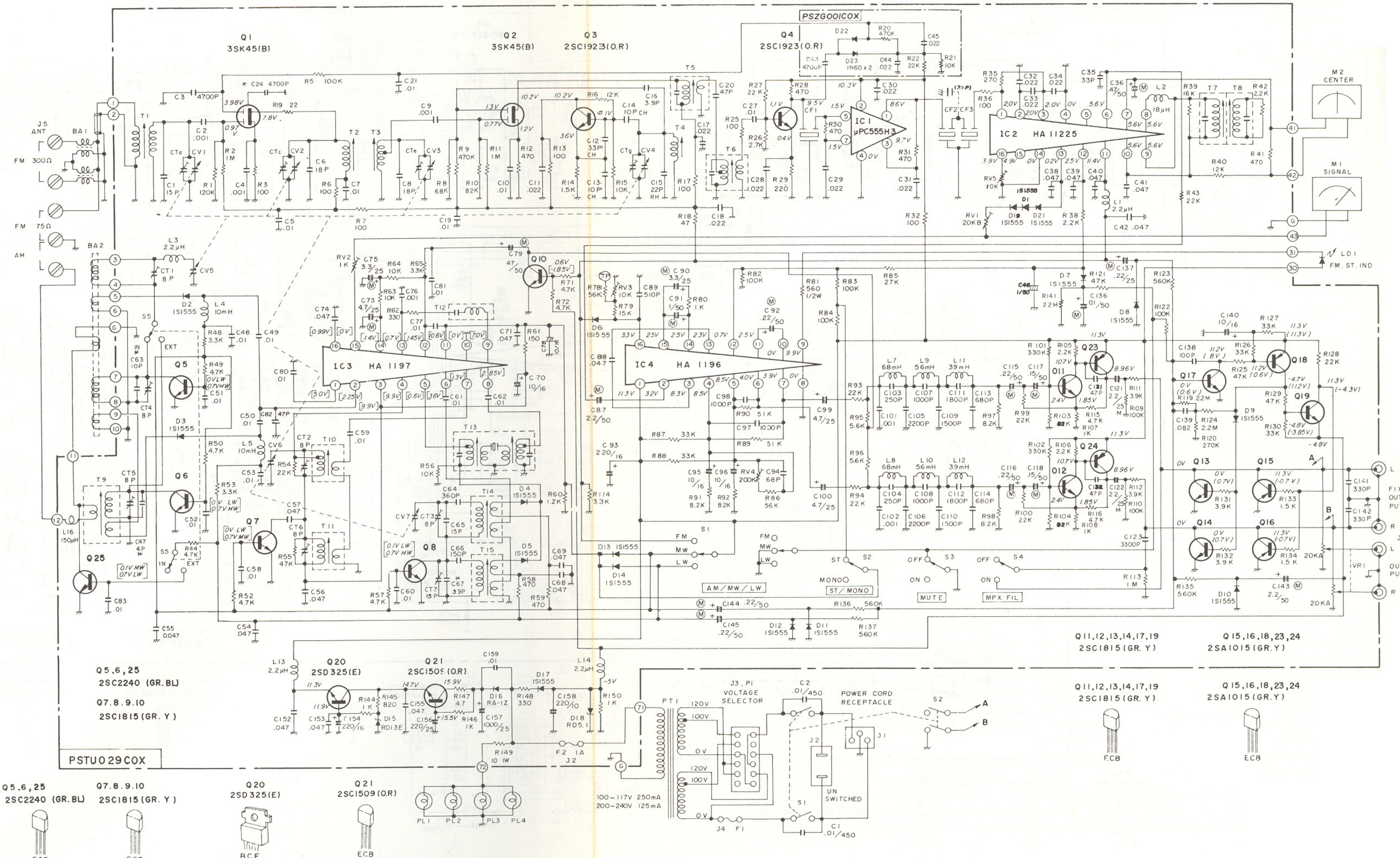
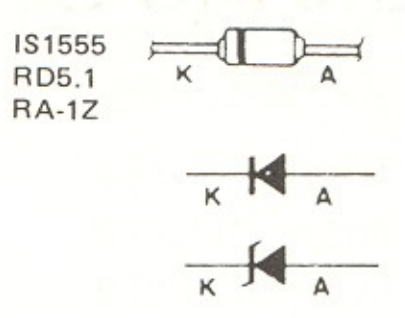
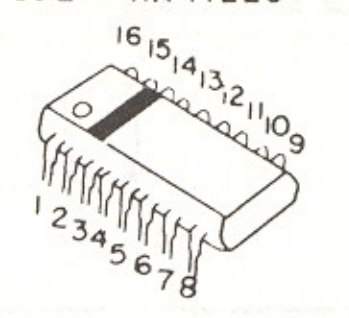
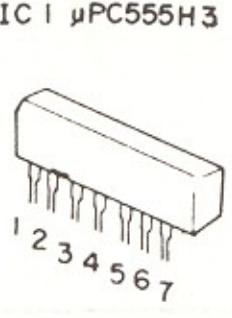
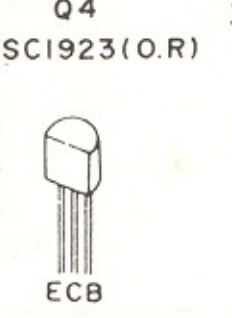
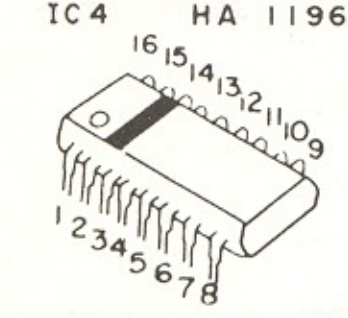
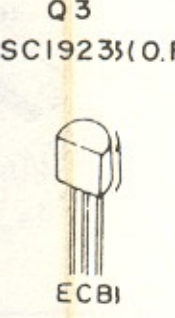
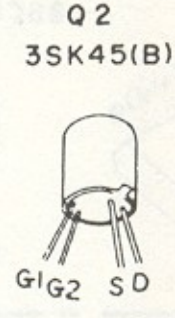
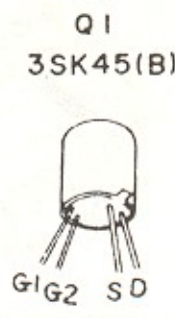


NOTE

- ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT NO SIGNAL.
- CAPACITOR'S VALUES ARE IN μF UNLESS OTHERWISE NOTED. P=PICO FARAD.
- RESISTOR'S VALUES ARE IN ΩMM K=K OHM.
- VOLTAGES IN [ ] WHEN MUTE ON.
- VOLTAGES IN ( ) WHEN MW LW.
- \*VARIABLE

# SCHEMATIC DIAGRAM: 570TL

## Scott 530T/TL, 570T/TL



NOTE

- ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT NO SIGNAL.
- CAPACITOR'S VALUES ARE IN µF UNLESS OTHERWISE NOTED. P=PICO FARAD.
- RESISTOR'S VALUES ARE IN OHM, K=K OHM.
- VOLTAGES IN ( ) WHEN MUTE ON.
- VOLTAGES IN [ ] WHEN MW, LW.
- \* VARIABLE.



## Scott 530T/TL,570T/TL

| Symbol No.  | Description                      | Part Code  |
|---|----------------------------------|------------|
| C77, 81   | Mylar capacitor, 0.01            | CQMB103KTH |
| C79   | " 0.47                           | CEAGR47ZMN |
| C87   | Electrolytic capacitor, 2.2      | CEAG2R2ZMN |
| C89, 97 (570TL),<br>98 (570TL), 124<br>(570TL), 128 (570TL) | Styroflex capacitor, 510p        | CQSC511JCF |
| C91   | Electrolytic capacitor, 1 (MS)   | CEAG010ZMN |
| C92   | " 0.22                           | CEAGR22ZMN |
| C93, 154  | " 220, 16V                       | CEFD221ALX |
| C94 (570TL)   | Ceramic capacitor, 68p           | CCGB680KOT |
| C97 (570TL),<br>98 (570TL)                                  | Styroflex capacitor, 0.001       | CQSC102JCF |
| C99, 100  | Electrolytic capacitor, 4.7, 25V | CEWF4R7ALX |
| C101, 102   | Ceramic capacitor, 0.001         | CKGB102KBJ |
| C103, 104   | Styroflex capacitor, 250p        | CQSC251JCF |
| C105, 106   | Mylar capacitor, 0.0022          | CQMB222JTH |
| C107, 108   | Styroflex capacitor, 1000p       | CQSC102JCF |
| C109, 110   | Mylar capacitor, 0.0015          | CQMB152JFH |
| C111, 112   | Styroflex capacitor, 1800p       | CQSC182JCF |
| C113, 114   | " 680p                           | CQSC681JCF |
| C115, 116, 137  | Electrolytic capacitor, 0.22     | CEAGR22ZMN |
| C117, 118   | " 0.15                           | CEAGR15ZMN |
| C121, 122   | Electrolytic capacitor, 2.2, 25V | CEAF2R2ZMN |
| C123  | Mylar capacitor, 3300p           | CQMB332KTH |
| C125 (570TL)  | Mylar capacitor, 1200p           | CQMB122KTH |
| C126 (570TL)  | Ceramic capacitor, 22p           | CCGB220KOT |
| C127 (570TL)  | " 68p                            | CCGB680KOT |
| C129 (570TL)  | Mylar capacitor, 1200p           | CQMB122KTH |
| C94 (570TL)   | Ceramic capacitor, 27p           | CCGB270KOT |
| C136  | Electrolytic capacitor, 0.01     | CEAG0R1ZMN |
| C138  | Ceramic capacitor, 100p          | CCGB101KOT |
| C139  | Mylar capacitor, 0.082           | CQMB823KTH |
| C141, 142   | Ceramic capacitor, 330p          | CCFB331KOT |
| C143  | Electrolytic capacitor, 2.2, 25V | CEAE2R2ZMN |
| C144, 145 (570TL)   | " 2.2, 50V                       | CEAGR22ZMN |
| C156  | Electrolytic capacitor, 220, 25V | CEFF211ALX |
| C157  | " 1000, 25V                      | CEAE102ALX |
| C158  | " 220, 10V                       | CEFC221ALX |

### PSLD016COX

|     |          |            |
|-----|----------|------------|
| LD1 | LED, Red | QLAR5531KR |
|-----|----------|------------|

### Main Chassis

|     |   |            |
|-----|---|------------|
| PT1 | Power transformer, Youth                  | TPE48A001Y |
| J1  | AC power receptacle, UL/CSA listed, 3-pin | YJA03S002U |
| J2  | Accessory outlet, UL/CSA listed           | YJA020005U |
| J3  | Voltage selector receptacle               | YJZ10S001U |
| P1  | Voltage selector plug                     | YPZ06S004U |
| J4  | Fuse holder, UL listed                    | YHF1S3001U |

| Symbol No.  | Description                       | Part Code  |
|-------------|-----------------------------------|------------|
| J5          | Antenna terminals                 | YTD05D001U |
| S2, 3       | Leaf switch, audio mute etc.      | SF010115ZF |
| S1          | Lever switch, Power               | SL020220SA |
| C1, 2       | Oil-paper capacitor, 0.01, 450VAC | CNST103MAN |
| F1 (US/CSA) | Fuse, 250mA, 250V, UL listed      | ZFBQ25104V |
| F1 (Europe) | „ 125mA, 250V, UL listed          | ZFBQ13103V |
| F2          | Fuse, secondary, 1A, 250V         | ZFBQ10203Z |
| M1          | Meter, Signal, 500 $\mu$ A        | ZMG2052N01 |
| M2          | „ Center-tuning, 250 $\mu$ A      | ZMF4052K01 |
| BA1         | RFT, FM antenna balance           | TV750301A2 |
| BA2         | Loop stick antenna                | TEAR200M01 |
| PL1-4       | Lamp, 14V/80mA                    | ZPA148103U |
| L1 (570T)   | AM antenna input, 15 $\mu$ H      | LF151KA01S |

### Mechanical Component

| Exploded View No. | Description                 | Part Code  |
|-------------------|-----------------------------|------------|
| 43                | Escutcheon (570T)           | AM570T**01 |
| „                 | „ (570TL)                   | AM570TL*01 |
| 52                | Cabinet cover               | MU897SX010 |
| 49                | Bottom plate                | MS986SZ015 |
| 50                | Bottom plate leg            | VM280EB001 |
| 1                 | Front chassis               | MB972SZ006 |
| 32                | Rear panel                  | MB972SE03S |
| 23                | Left chassis bridge         | MU852SZ002 |
| 25                | Right chassis bridge        | MU852SZ003 |
| 15                | Dial scale bridge           | ML942SM001 |
| 42                | Dial pointer                | MJ312SM001 |
| 41                | Dial pointer bracket        | VK121NB001 |
| 12                | Dial scale (570T)           | VS843AC001 |
| „                 | „ (570TL)                   | VS843AC002 |
| 20                | Stringing pulley, left      | MS546SZ002 |
| 16                | „ right                     | MZ333SZ001 |
| 2                 | Tuning flywheel assembly    | AVFLYWL009 |
| 9                 | Meter lamp housing          | VB632SW001 |
| 22                | Mounting bracket holder     | MC371SZ002 |
| 46                | Knob, Tuning                | MN386AA026 |
| 44                | „ Mode                      | MN376AA019 |
| 47                | „ Output Level              | MN276XA020 |
| 45                | „ ST-Mono, FM Mute, MPX Fil | VN360SX001 |
| 48                | „ Power                     | VN370SX001 |