

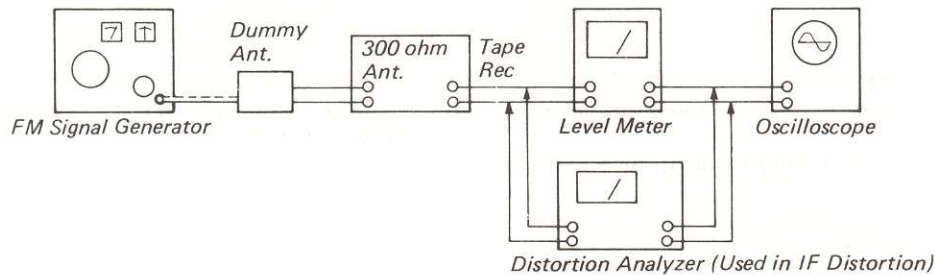
# Scott 350R/RL

## ADJUSTMENT

### Equipment Required

- Audio signal generator.
- Level meter.
- DC voltmeter.
- Oscilloscope.
- Digital frequency counter, 0 – 100 kHz.
- FM multiplex signal generator.
- Circuit tester.
- Distortion analyzer.

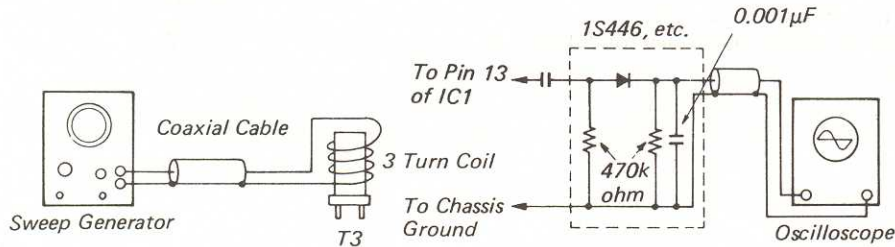
### FM RF Tracking



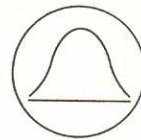
- 1) Apply 90 MHz, 1 kHz and 100% modulated, 65 dBf signal with 75 kHz deviation to the FM antenna terminal.
- 2) Tune the unit to 90 MHz.
- 3) Observe the oscilloscope connected to the Tape Rec output terminal for symmetrical sine wave. If failed, adjust T4.
- 4) Adjust T1, T2 and T3 for maximum level 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 the trimming capacitor, CTf.
- 7) Adjust the trimming capacitors, CTa, CTc, and CTd.
- 8) Repeat above steps until no further improvement is obtained.

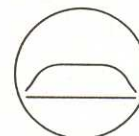
### FM IF Amplifier



- 1) Mute the FM local oscillator by shorting CV6.
- 2) Connect oscilloscope to pin #13 of IC1.
- 3) Apply 10.7 MHz signal from the sweep generator to %3 in the manner as shown above.
- 4) Adjust T5 for correct figure as provided to the right. It may be necessary to increase or decrease the sweep generator output for adjustment convenience.



Correct



Incorrect,  
as too low



Incorrect,  
as too narrow

### IF Distortion

- 1) Apply 98 MHz, 1 kHz and 100% modulated, 65 dBf signal to the unit.

- 2) Adjust T7 for minimum distortion on the distortion analyzer connected to the Tape/Rec output terminal.

### Tuning Meter

- 1) Remove signal generator output from the unit.
- 2) Adjust T6 for exact center reading on the FM Center Tun-

ing meter.

### Signal Strength Meter [FM]

- 1) Apply 98 MHz, 90 dBf signal to the unit.
- 2) Tune the unit for 98 MHz.

- 3) Adjust RV1 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) Rotate RV9 to the point where the signal is muted. Do not rotate too far.

### 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. A deviation of  $\pm 200$  Hz is acceptable.

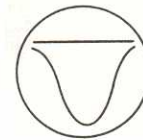
### Stereo Separation

- 1) Apply 98 MHz, 65 dBf left channel signal to the unit modulated with 1 kHz, 9% pilot signal of 6.75 kHz deviation.
- 2) Connect a digital voltmeter to the right channel Tape/Rec output terminal.
- 3) Adjust RV2 for minimum leakage (minimum level) on the voltmeter.

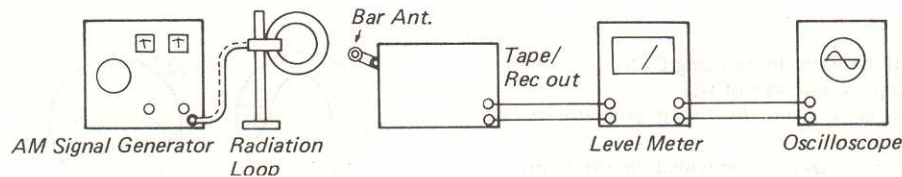
- 4) Apply 98 MHz, 65 dBf right channel signal to the unit modulated same as step 1).
- 5) Move digital voltmeter to the left channel Tape/Rec output terminal.
- 6) Check for minimum and equal leakage on both channels.

### 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.
- 3) Adjust T8 to obtain maximum and symmetrical display as shown to the right.



### AM Tracking



- 1) Apply 600 kHz signal, 30% modulated with 1 kHz to the

AM bar antenna. See test setup figure (Distance between

# Scott 350R/RL

- the AM bar antenna and emitting loop antenna should be 2 feet).
- 2) Adjust signal generator output so that a sine wave appears on the scope.
  - 3) Adjust T9 for maximum audio output on the digital voltmeter connected parallel with the scope. When turning core, always adjust signal generator output to maintain proper level. Do not change voltmeter range. Moreover, always keep the generator output as low as possible to avoid AGC action and to keep the measurements accurate.
  - 4) Adjust the AM loopstick antenna core for maximum output

## Long Wave Tracking (350RL Only)

- 1) Apply 170 kHz generator output modulated 30% with 400 Hz. Set standard radiating loop antenna at a distance of 2 feet to the unit. Set the EXT antenna switch to INT position. Tune the unit for 170 kHz.
- 2) Adjust long wave loop stick antenna core and T10 for maximum output from the Tape/Rec output terminal.

## External Long Wave Antenna Tuning (350RL Only)

- 1) Apply 170 kHz generator output modulated 30% with 400 Hz audio. Set the EXT antenna switch to EXT position.
- 2) Adjust generator output to observe sine wave on the scope.

## AM (MW) Signal Strength Meter

- 1) Apply 1,000 kHz, 1 mV signal to the unit.
- 2) Tune the unit for 1,000 kHz.

- reading on the voltmeter.
- 5) Shift generator frequency to 1,400 kHz with same modulation condition. Retune unit.
  - 6) Repeat 2).
  - 7) Adjust CTe and CTb for 350R for maximum voltmeter reading.
  - 8) Adjust CT1 and CT1 on PSAZ024COX for 350RL for maximum reading on the voltmeter. Take care to mutual symbol numbers in different stage.
  - 9) Repeat above procedure again for no further improvement.

- 3) Shift generator frequency to 320 kHz with same modulation condition.
- 4) Adjust CT2 and CT2 on PSAZ024COX for maximum audio. Take care to mutual symbol numbers in different stage.
- 5) Repeat above procedure for no further improvement.

- 3) Adjust T1 for maximum audio output.
- 4) Shift generator frequency to 320 kHz with same modulation condition.
- 5) Adjust CT3 for maximum audio output.

- 3) Adjust RV4 for 90% reading on the signal strength meter.

## Audio Adjustment

### Equipment Required

Audio signal generator  
DC voltmeter.

Speaker load resistors, 8 ohms, 100 watts, noninductive.

Digital voltmeter or DC milliammeter.

The following adjustments are the same for both the left and right channel.

## Bias Adjustment

- 1) Connect 8 ohm resistors to the Speaker A terminals.
- 2) Turn the Volume control counterclockwise fully.
- 3) Turn RV5 and RV6 fully counterclockwise.
- 4) Depending on available equipment, use A or B:
  - A. Set digital voltmeter to most sensitive range. Connect probes across R235 and R237 (left channel bias test point). Turn unit on. Let it idle for at least one minute. Adjust RV5 for 40 mV across resistors.
  - B. With unit off, remove jumper between terminals 71 on both PSSA005COX and PSPW035COX, and connect ammeter, set to 100 mA range. Adjust RV5 for 40 mA.**Important:** There are three strips of terminal #71 on

- PSSA005COX, one for the left channel, one for the right channel and another for low level circuitry. Refer to the Adjustment location diagram for correct ammeter test point for each channel.
- 5) Perform the same procedure for the right channel, except measure voltage across R236 and R238 (right channel bias test point) or replace jumper from terminal #71 on both PSSA005COX and PSPW035COX with ammeter. Adjustment is made with RV6.
  - 6) Leave the receiver on for about 30 minutes, then recheck measurement. A tolerance of  $\pm 25\%$  is acceptable. Readjust if necessary.



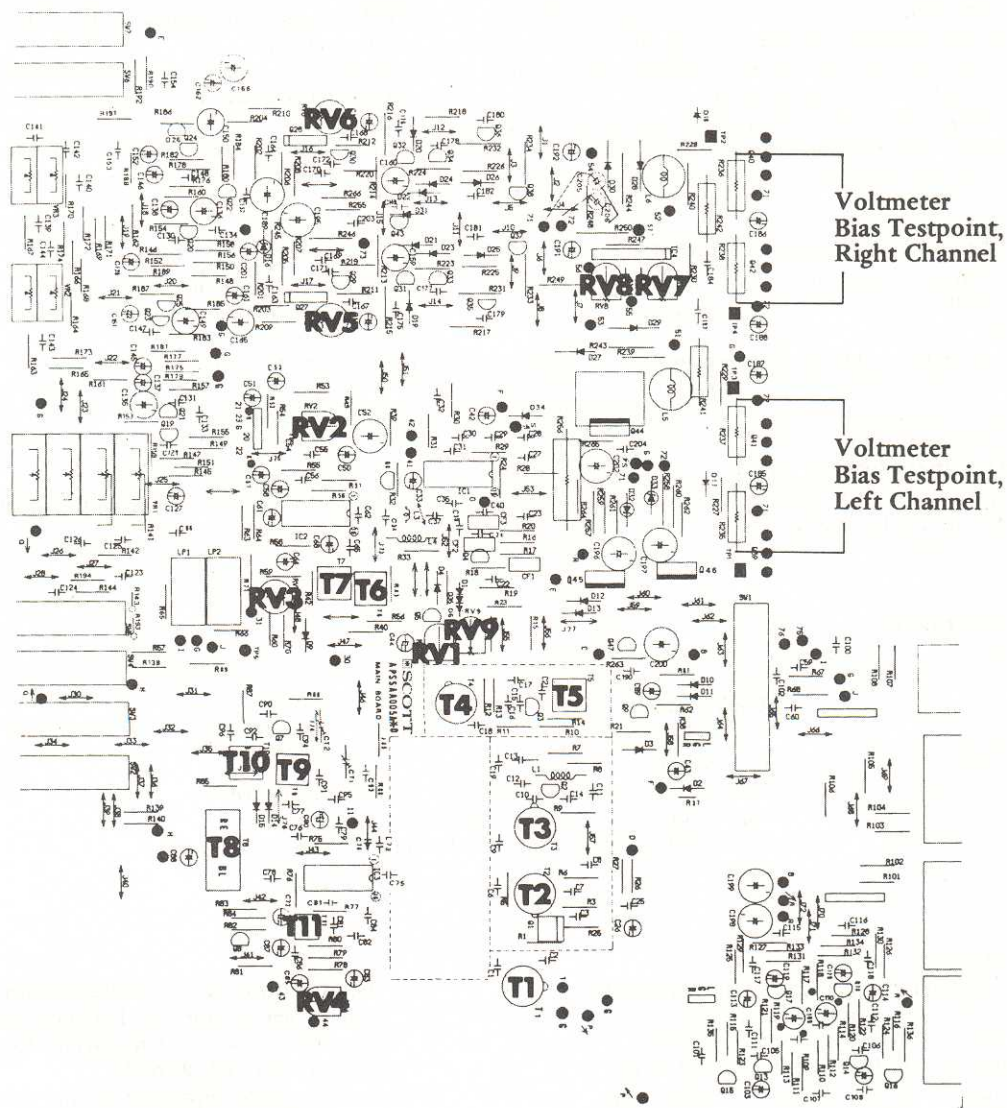
## Power Meter Calibration

- 1) Connect the audio signal generator to the receiver and apply 1 kHz signal to Aux input, left channel.
- 2) Connect voltmeter across the left channel load resistor.
- 3) Turn power on.
- 4) Adjust the signal generator output so as to obtain 2.83 volts

on the voltmeter.

- 5) Check that the left channel meter indicates 1 watt, if not adjust RV7.
- 6) Perform above steps on the right channel, adjusting RV8 if necessary.

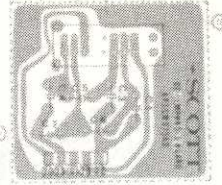
## Adjustment Location



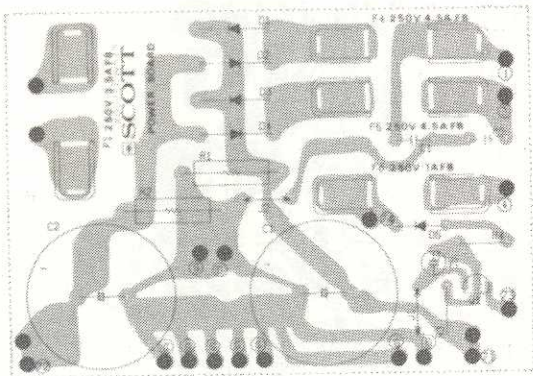
# Scott 350R/RL



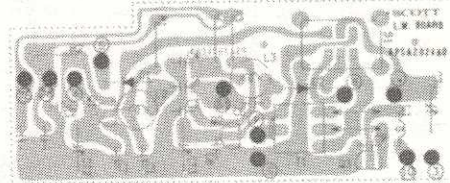
[PSLD018COX]  
Stereo FM Indicator



[PSSW073COX]  
Deemphasis



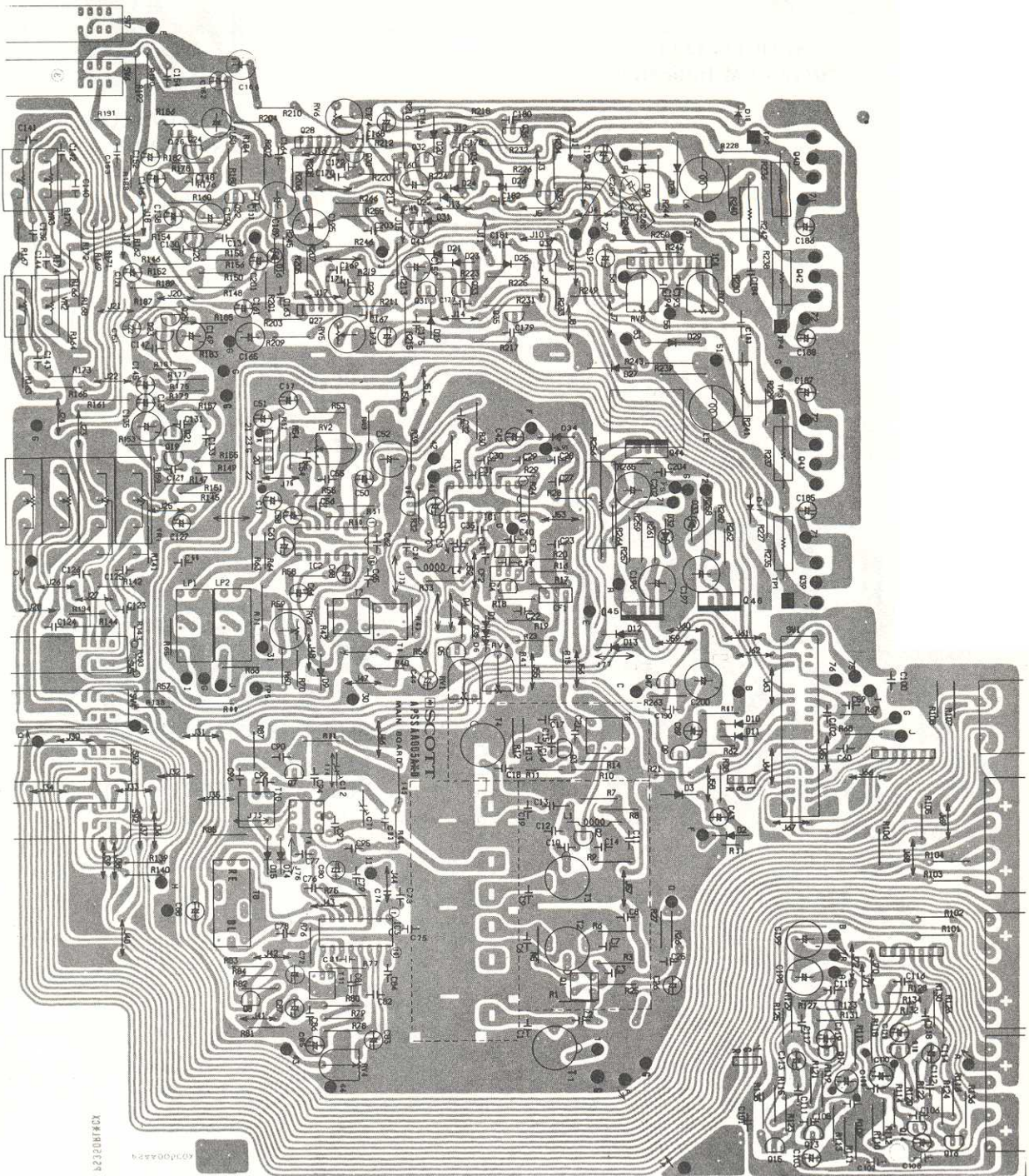
[PSPW035COX]  
Power Supply



[PSAZ024COX]  
Long Wave (350RL only)



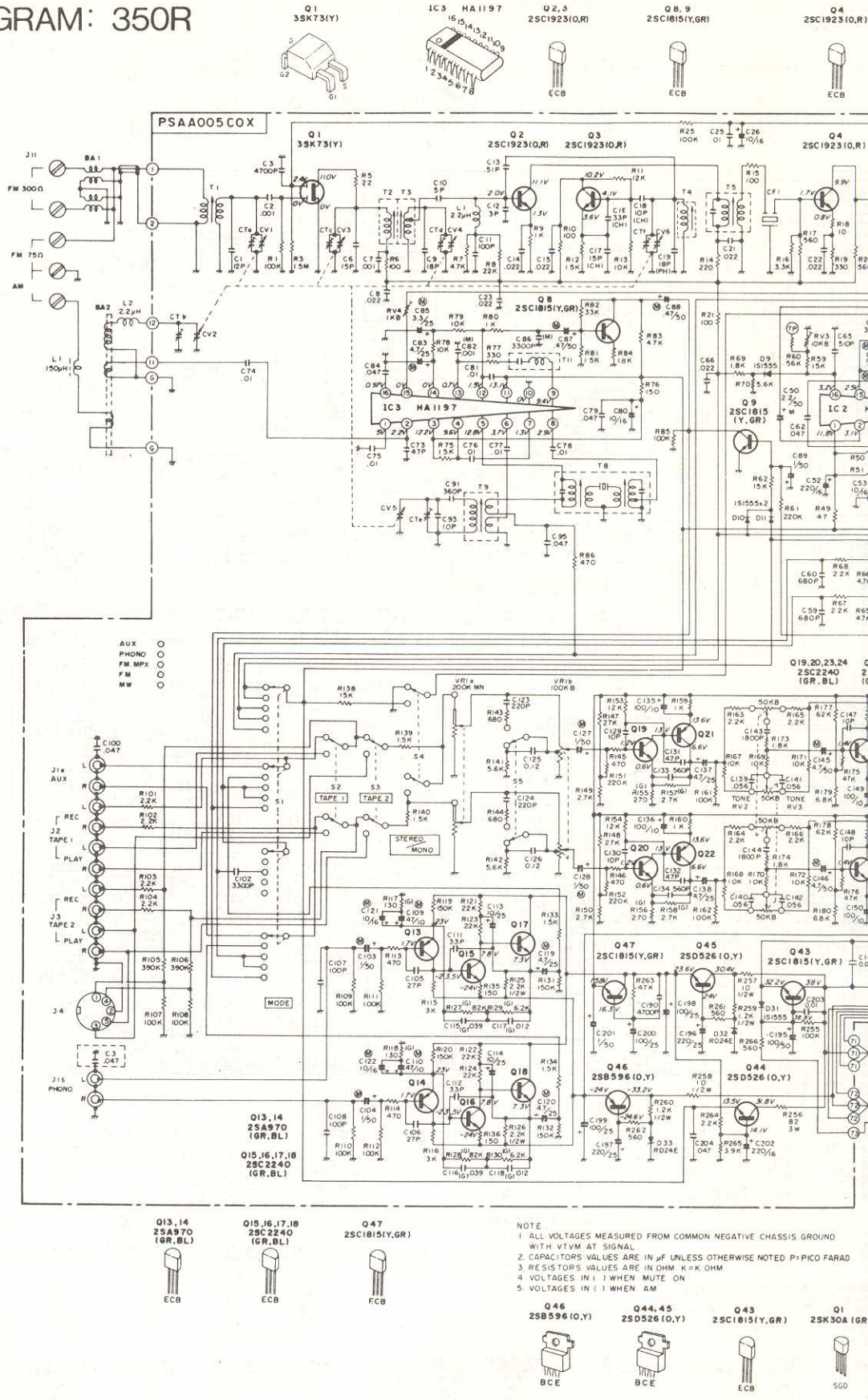
# PARTS LOCATION DIAGRAM: 350R/RL



[PSAA005COX] AM/FM Front End/IF/Demodulator/AF



# SCHEMATIC DIAGRAM: 350R

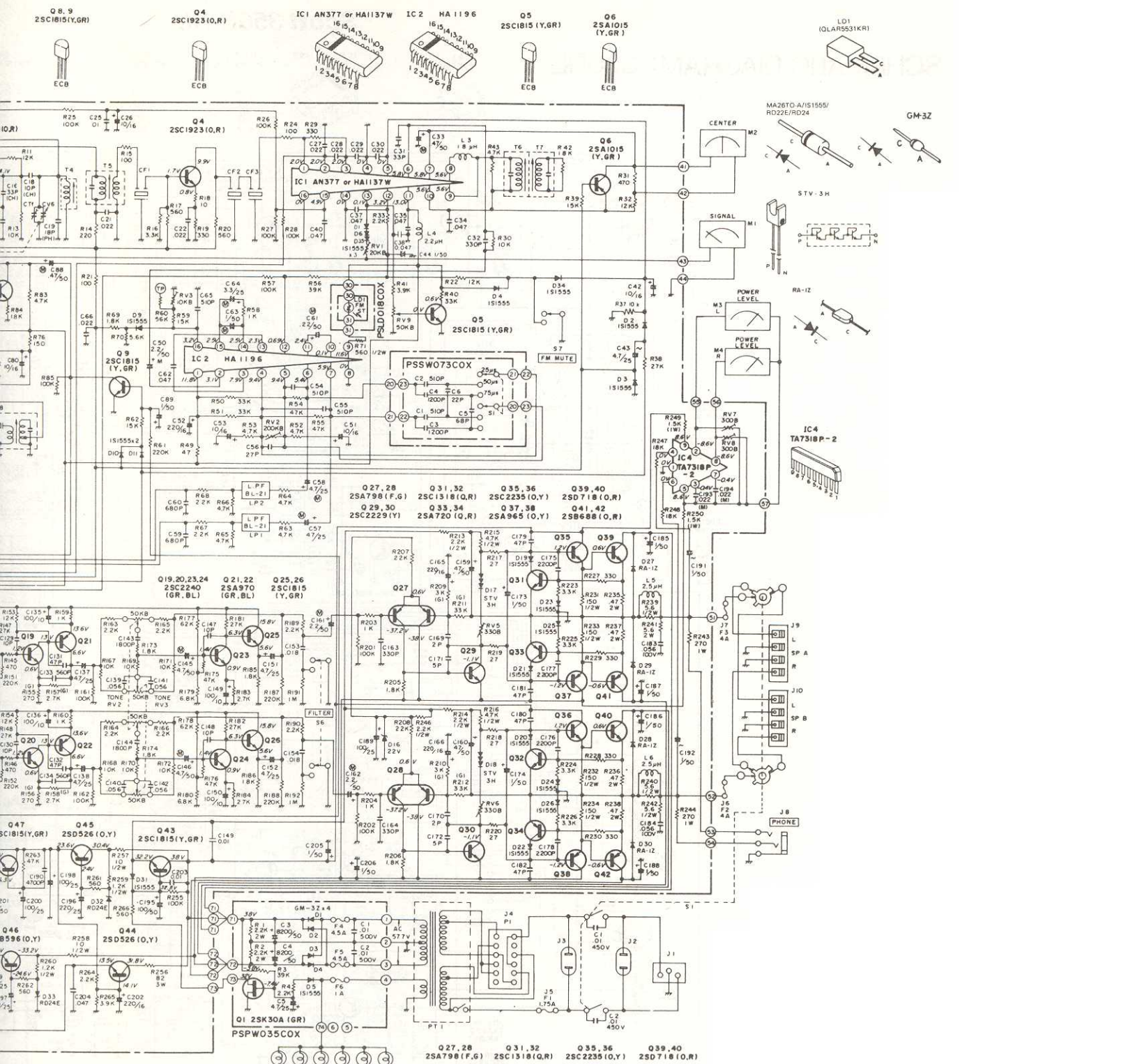


NOTE  
 1 ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT SIGNAL  
 2 CAPACITOR VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED P=PICO FARAD  
 3 RESISTOR VALUES ARE IN OHM K=K OHM  
 4 VOLTAGES IN ( ) WHEN MUTE ON  
 5 VOLTAGES IN ( ) WHEN AM

Q13,14 2SA970 (GR,BL)  
 Q15,16,17,18 2SC2240 (GR,BL)  
 Q47 2SC1815(Y,GR)

Q46 2SB596(O,Y) BCE  
 Q44,45 2SD526(O,Y) BCE  
 Q43 2SC1815(Y,GR) ECB  
 Q1 2SK30A (GR) SGO





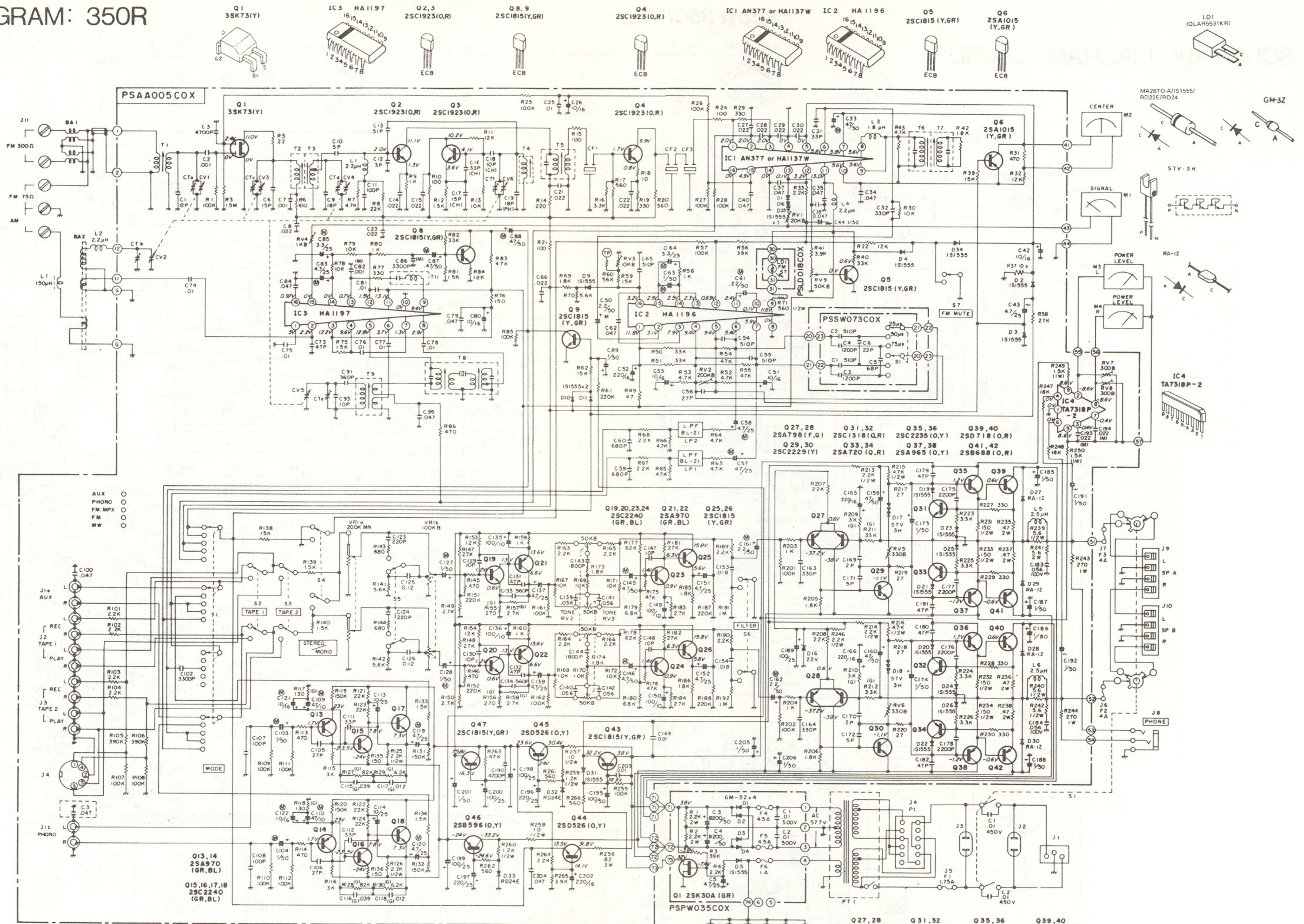
MEASURED FROM COMMON NEGATIVE CHASSIS GROUND  
 SIGNAL  
 VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED P=PICOFARAD  
 VALUES ARE IN OHM K=X OHM  
 WHEN MUTE ON  
 WHEN AM

- |                         |                       |                   |                                     |                            |                           |                        |                         |                         |                         |
|-------------------------|-----------------------|-------------------|-------------------------------------|----------------------------|---------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Q44, 45<br>2SD526 (O,Y) | Q43<br>2SC1815 (Y,GR) | Q1<br>2SK30A (GR) | Q19, 20, 23, 24<br>2SC2240 (GR, BL) | Q21, 22<br>2SA970 (GR, BL) | Q25, 26<br>2SC1815 (Y,GR) | Q29, 30<br>2SC2229 (Y) | Q33, 34<br>2SA720 (O,R) | Q37, 38<br>2SA965 (O,Y) | Q41, 42<br>2SB688 (O,R) |
|-------------------------|-----------------------|-------------------|-------------------------------------|----------------------------|---------------------------|------------------------|-------------------------|-------------------------|-------------------------|





# SCHEMATIC DIAGRAM: 350R

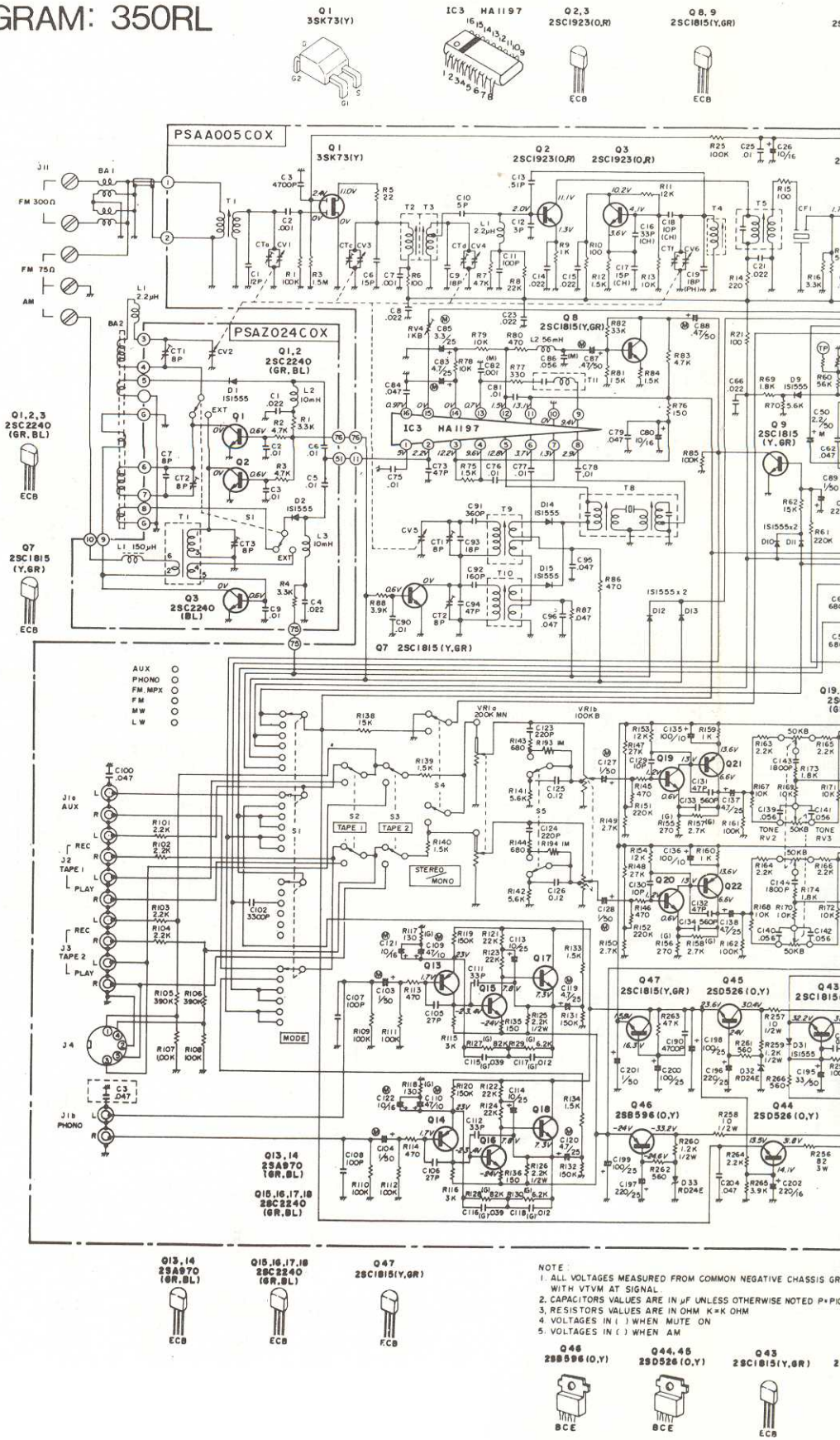


- NOTE**  
 1. ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT SIGNAL.  
 2. CAPACITORS VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED P=PICO FARAD  
 3. RESISTORS VALUES ARE IN OHM K=K OHM  
 4. VOLTAGES IN ( ) WHEN MUTE ON  
 5. VOLTAGES IN ( ) WHEN AM
- |                                    |   |                             |                           |                              |                             |                         |   |                                    |                                    |                             |                              |                              |                              |
|------------------------------------|---|-----------------------------|---------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------------------|------------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| Q13,14<br>2SA970<br>(GR,BL)<br>ECB | Q15,16,17,18<br>2SC2240<br>(GR,BL)<br>ECB | Q47<br>2SC1815(Y,GR)<br>FCB | Q46<br>2SB596(O,Y)<br>BCE | Q44,45<br>2SD526(O,Y)<br>BCE | Q43<br>2SC1815(Y,GR)<br>ECB | Q1<br>2SK30A(GR)<br>S60 | Q19,20,23,24<br>2SC2240<br>(GR,BL)<br>ECB | Q21,22<br>2SA970<br>(GR,BL)<br>FCB | Q25,26<br>2SC1815<br>(Y,GR)<br>FCB | Q29,30<br>2SC2229(Y)<br>ECB | Q33,34<br>2SA720(O,R)<br>ECB | Q37,38<br>2SA965(O,Y)<br>ECB | Q41,42<br>2SB688(O,R)<br>ECB |
|------------------------------------|---|-----------------------------|---------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------------------|------------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|



# Scott 350R/RL

## SCHEMATIC DIAGRAM: 350RL



NOTE:  
 1. ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GRO...  
 WITH VTVM AT SIGNAL.  
 2. CAPACITORS VALUES ARE IN μF UNLESS OTHERWISE NOTED P=PI...  
 3. RESISTORS VALUES ARE IN OHM K=K OHM  
 4. VOLTAGES IN ( ) WHEN MUTE ON  
 5. VOLTAGES IN ( ) WHEN AM

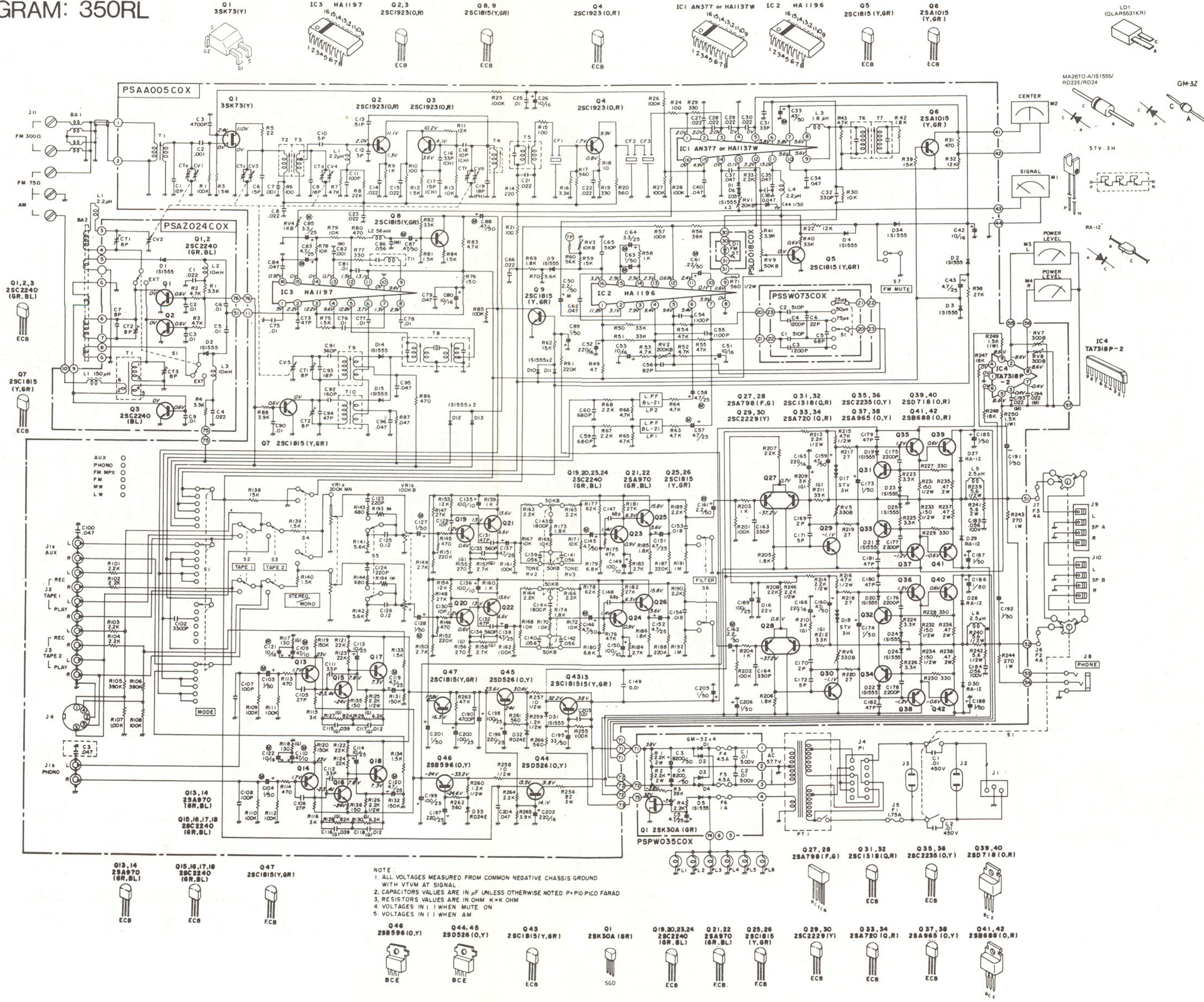






# SCHEMATIC DIAGRAM: 350RL

## Scott 350R/RL



NOTE:  
 1. ALL VOLTAGES MEASURED FROM COMMON NEGATIVE CHASSIS GROUND WITH VTVM AT SIGNAL.  
 2. CAPACITORS VALUES ARE IN  $\mu$ F UNLESS OTHERWISE NOTED  $P =$  PICO FARAD  
 3. RESISTORS VALUES ARE IN OHM K=K OHM  
 4. VOLTAGES IN ( ) WHEN MUTE ON  
 5. VOLTAGES IN ( ) WHEN AM



## Scott 350R/RL

### REPLACEMENT PARTS LIST: 350R/RL

Symbol No.	Description	Part Code
<b>[PSAA005COX] AM/FM Front End/IF/Demodulator/AF</b>		
L1, 4	RFC, 2.2 $\mu$ H	LCADA3038A
L2 (350RL only)	" 56mH	LF563KC01S
L3	" 18 $\mu$ H	LF180JC01K
L5, 6	" 2.5 $\mu$ H	LA3QH1323B
RV1	Trimming resistor, 20k (B)	RPGNB20301
RV2	" 200k (B)	RPGNB20401
RV3	" 10k (B)	RPGNB10301
RV4	" 1k (B)	RPGNB10201
RV5, 6	" 330 (B), dust-proof	RPJNB33101
RV7, 8	" 300 (B)	RPGNB30102
RV9	" 50k (B)	RPGNB50301
CV (350R only)	Variable capacitor, Tuning	CVA2433G02
CV (350RL only)	"	CVA2433G01
T1	RFT, FM antenna input	TRA7JZ004S
T2, 3	" FM RF load, FM mix input	TR10MQ003M
T4	" FM local oscillator	TRA7JZ003S
T5	IFT, 10.7 MHz	TR10MA003S
T6	" 10.7 MHz	TR10MM013M
T7	" 10.7 MHz	TR10MM014M
T8	IFT + ceramic filter, 455 kHz	FBR455A18Q
T9	RFT, AM local oscillator	TR10MZ002M
T10 (350RL only)	" long wave local oscillator	TR10MZ003M
T11	IFT, 455 kHz	TR07BM001M
CF1-3	Ceramic filter, 10.7 MHz, 2-element	FB10R7F14M
LP1, 2	19/38 kHz filter, BL-211	FJRR38L04C
CT1 (350RL only)	Trimming capacitor, 8p	CTX1080P06
CT2 (350RL only)	" 15p	CTX1150P01
Q1	FET, 3SK73	QTL0073XAT
Q2-4	Transistor, 2SC1923	
Q5, 7 (350RL only), 8, 9	" 2SC1815	QTC1815XAT
Q6	" 2SA1015	QTA1015XAT
Q13, 14, 21, 22	" 2SA970	QTA0970XAT
Q15-20, 23, 24	" 2SC2240	QTC2240XAT
Q25, 26	" 2SC1815	QTC1815XAT
Q27, 28	" 2SA798	QTA0798XEE
Q29, 30	" 2SC2229	QTC2229XBT

Symbol No.	Description	Part Code
Q31, 32	" 2SC1318XDN	QTC1318XDN
Q33, 34	" 2SA720	QTA0720XBN
Q35, 36	" 2SC2235	QTC2235XAT
Q37, 38	" 2SA965	QTA0965XAT
Q43	" 2SC1815	QTC1815XAT
Q44, 45	" 2SD526	QTD0526XAT
Q46	" 2SB596	QTB0596XAT
Q47	" 2SC1815	QTC1815XAT
IC1	IC, AN377	QQMAN377AN
IC2	" HA1196	QQMA1196AB
IC3	" HA1197	QQMA1197AB
IC4	" TA7318P-2	QQM07318AT
D1	Silicon diode, MA26TO-A	QVEMA26TAN
D2-4, 9-11, 12-15 (350RL only), 19-26, 31, 34	" 1S1555	QDSS1555XT
D16	Zenner diode, RD22E	QDZRD33EDA
D17, 18	TR diode, STV33H	QVESTV3HXD
D27-30	Silicon diode, RA-1Z	QDSRA1ZXXD
D32, 33	Zenner diode, RD24	QDZRD24EBA
J1-3	RCA jacks, Phono input etc.	YJP04S016U
J4	5-p jack, DIN-type	YJD05S011Z
S1 (350RL only)	Rotary switch, 4P6T, Power/Speaker	SH040604UN
S1 (350R only)	" 4P5T, Power/Speaker	SH040506UN
S2	" 2P3T, Tape 1	SL020305ZB
S3-7	Sliding switch, DPDT, Tape 2 etc.	SL020215ZB
VR1	VR, concentric 4G, 200k (MN)/100k (B)	RVGA204X07
VR2, 3	" 50k (B) + 50k (B), Treble/Bass	RVQA503B05
R71	MOF resistor, 500, 1/2W	RGHANJ561N
R125, 126, 213, 214	" 2.2k, 1/2W	RGHANJ222N
R215, 216	" 4.7k, 1/2W	RGHANJ472N
R231, 232	" 150, 1/2W	RGHANJ151N
R235-238	Cement resistor, 0.47, 2W	RF02SKR47B
R239, 240	MOF resistor, 5.6, 1/2W	RXHANJ5R6N
R241, 242	" 5.6, 2W	RX2ANJ5R6N
R243, 244	" 270, 1W	RG1ANJ271N
R246	" 2.2k, 1/2W	RGHANJ222N
R249, 250	" 1.5k, 1W	RG1ANJ152N
R256	Cement resistor, 82, 3W	RF03SK320B



## Scott 350R/RL

Symbol No.	Description	Part Code
R257, 258	MOF resistor, 10, 1/2W	RXHANJ100N
R259, 260	" 1.2km, 1/2W	RGHANJ12ZN
C1	Ceramic capacitor, 12p	CCGB120KOT
C2, 7	" 0.001	CKGB102KBT
C3	" 4,700p	CKGB472ZFT
C6	" 15p	CCGB150KOT
C8, 14, 15, 21-23, 27-30	" 0.022	CKFB223ZFT
C9, 19	" 18p	CCGB180KOT
C10	" 5p	CCGB050DOT
C11	" 100p	CCGB101KOT
C12	" 3p	CCGB030COT
C13	Minic capacitor, 0.51p	CG2HR51KMN
C16, 31	Ceramic capacitor, 33p	CCFB330KCT
C17	" 15p	CCGB150KCT
C18	" 10p	CCGB100DCT
C25	" 0.01	CKFB103ZFT
C26, 51, 53	Electrolytic capacitor, 10, 16V	CEVD100ALX
C32	Ceramic capacitor, 330p	CCFB331KOT
C33	Electrolytic capacitor, 0.47	CEEGR47ZMN
C34, 35, 37, 38, 40	Ceramic capacitor, 0.047	CKFB473ZFT
C42	Electrolytic capacitor, 10, 16V	CEVD100ALX
C43	" 4.7, 25V	CEAE4R7NLX
C44	" 1	CEAG010ALX
C54/55 (350RL only)	Styroflex capacitor, 1,100p	CQSC112JCF
C50	Electrolytic capacitor, 2.2	CEEGR2R2ZMN
C52	" 220, 16V	CEED221ALX
C54/55 (Euro 350R only)	Styroflex capacitor, 510p	CQSC511JCF
C56	Ceramic capacitor, 82p	CCGB820KOT
C57, 58	Electrolytic capacitor, 4.7, 25V	CEEE4R7ZMN
C59, 60	Ceramic capacitor, 680p	CKGB681KBT
C61	Electrolytic capacitor, 0.22	CEEGR22ZMN
C62	Ceramic capacitor, 0.047	CKFB473ZFT
C63	Electrolytic capacitor, 1	CEEG010ZMN
C64	" 3.3, 25V	CEEE3R3ZMN
C65	Styroflex capacitor, 510p	CQSC511JCF
C66	Ceramic capacitor, 0.022	CKFB223ZFT
C56 (Euro 350R only)	" 27p	CCGB270KOT
C54/55 (US 350R only)	Styroflex capacitor, 1,800p	CQSC182JCF
C72, 121, 122	Electrolytic capacitor, 10, 16V	CEED100ZMN
C73, 80	Ceramic capacitor, 47p	CCGB470KOT
C74 (350R only), 75-78, 90 (350RL only)	" 0.01	CKFB103ZFT



Symbol No.	Description	Part Code
C79, 84, 100	" 0.047	CKFB473ZFT
C81	Mylar capacitor, 0.01	CQMB103KEH
C82	" 0.001	CQMB102KEH
C83, 119, 120	Electrolytic capacitor, 4.7, 25V	CEEE4R7ZMN
C85	" 3.3, 25V	CEEE3R3ZMN
C86 (350R only), 102	Mylar capacitor, 0.0033	CQMB332KEH
C87, 88	Electrolytic capacitor, 0.47	CEEGR47ZMN
C89	" 1	CEVG010ALX
C91	Styroflex capacitor, 360p	CQSC361JCF
C92 (350RL only)	" 160p	CQSC161JCF
C93 (350RL only)	Ceramic capacitor, 18p	CCGB180KOT
C94 (350RL only), 131, 132	" 47p	CCGB470KOT
C95, 96 (350RL only)	" 0.047	CKFB473ZFT
C86, (350RL only)	Mylar capacitor, 0.056	CQMB563KEH
C93 (350R only), 129, 130	Ceramic capacitor, 10p	CCGB100DOT
C103, 104, 127, 128	Electrolytic capacitor, 1	CEEG010ZMN
C105, 106	Ceramic capacitor, 27p	CCGB270KOT
C107, 108	" 100p	CCGB101KOT
C109, 110	Electrolytic capacitor, 47, 10V	CEEC470ZMN
C111, 112	Ceramic capacitor, 33p	CCGB330KOT
C113, 114	Electrolytic capacitor, 10, 25V	CEVE100ALX
C115, 116	Mylar capacitor, 0.039	CQMB393GEH
C117, 118	" 0.012	CQMB123GEH
C123, 124	Ceramic capacitor, 220p	CCFB221KOT
C125, 126	Mylar capacitor, 0.12	CQMB124KEH
C133, 134	Ceramic capacitor, 560p	CCFB561KOT
C135, 136	Electrolytic capacitor, 100, 10V	CEEC010ALX
C137, 138, 151, 152	" 4.7, 25V	CEVE4R7ALX
C139-142	Mylar capacitor, 0.056	CQMB563KEH
C143, 144	" 0.0018	CQMB182KEH
C145, 146	Electrolytic capacitor, 4.7	CEEG4R7ZMN
C148	Ceramic capacitor, 10p	CCGB100DOT
C149, 150	Electrolytic capacitor, 100, 10V	CEEC101ALX
C153, 154	Mylar capacitor, 0.018	CQMB183KEH
C147/148 (350RL only)	Ceramic capacitor, 68p	CCGB680KOT
C149	" 0.01	CKDB103ZFM
C159, 160	" 47	CEEG470ALX
C161, 162	Electrolytic capacitor, 2.2	CEEG2R2ZMN
C163, 164	Ceramic capacitor, 330p	CCFB331KOT
C165, 166	Electrolytic capacitor, 220, 6.3V	CEAB221ALX
C169, 170	Ceramic capacitor, 2p	CCGB020COT
C171, 172	" 5p	CCGB050DOT



## Scott 350R/RL

Symbol No.	Description	Part Code
C173, 174	Electrolytic capacitor, 1	CEVG010ALX
C175-178	Ceramic capacitor, 0.0022	CKGB222ZFT
C179-182	Ceramic capacitor, 47	CCGB470KOT
C183, 184	Mylar capacitor, 0.056	CQMC563KEH
C185-188, 205, 206	Electrolytic capacitor, 1	CEVG010ALX
C189	" 100, 25V	CEEE101ALX
C190	Ceramic capacitor, 0.0047	CKGB472ZFT
C191, 192	Electrolytic capacitor, 1	CEAG010NLN
C193, 194	Mylar capacitor, 0.022	CQMB223KEH
C195	Electrolytic capacitor, 33	CEAG330ALX
C196, 197	" 220, 25V	CEEE221ALX
C198-200	" 100, 25V	CEEE101ALX
C201	" 1	CEVG010ALX
C202	" 220, 16V	CEED221ALX
C203	Ceramic capacitor, 0.01	CKFB103ZFT
C204	" 0.047	CKFB473ZFT

### [PSLD018COX] Stereo Indicator

LD1	LED, Protection, red	QLAR5531KR
-----	----------------------	------------

### [PSSW073COX] Deemphasis Switch (Euro 350R/RL Only)

S1	Sliding switch, 4P3T, 25-50-75 $\mu$ S	SS040305ZL
C1, 2	Styroflex capacitor, 510p	CQSC511JCF
C3, 4	Mylar capacitor, 1,200p	CQMB122JEH
C5	Ceramic capacitor, 68p	CCGB680KOT
C6	" 22p	CCGB220KOT

### Electrical Parts on Main Chassis

#### 350R US/Canada Version

P1	AC power cord/plug, UL listed	ACAC029ULA
J1, 2	AC accessory outlet	YJA020005U
J3, 4	Fuse housing, Speaker Protect	YHF1S3006U
J5	1/4" stereo jack, Headphone	YJS03S016Z
J6, 7	Terminal, 4p, Speaker Output	YTS04S007U
J8	Antenna terminal, 5p	YTD05D001U
J9	Terminal, Ground	YTD01S001U
S1	Rotary switch, Power/Speaker, UL	SU025105VA



Symbol No.	Description	Part Code
PT1	AC power transformer, UL listed	TPA85V001Y
M1	Meter, 500 $\mu$ A, Signal strength	ZMG2052N02
M2	" $\pm$ 250 $\mu$ A, Center tune	ZMF4052K02
M3, 4	" 250 $\mu$ A, L/R power meter	ZMD2052K01
PL1-6	Lamp, 14V, 80mA	ZPA148103U
BA1	FM 300 ohm antenna coil	TV750301AZ
BA2	Loopstick antenna	TEAR155E01
L1	RFC, AM antenna input, 150 $\mu$ H	LF151KA01T
L2	" " 2.2 $\mu$ H	LCADA3038A
C1	Ceramic capacitor, 4,700p, 1.4kV	CKDX472PMM
C3	" 0.047	CKDB473ZFT
F1	Fuse, primary, 3.5A, UL listed	ZFBQ35201U
F2, 3	" Speaker protect, 4A	ZFBQ40205V
F4, 5	" secondary, 4.5A	ZFBQ45201U
F6	" " 1A	ZFBQ10202U
Q39, 40	Transistor, 2SD718	QTD0718XAT
Q41, 42	" 2SB688	QTB0688XAT

### 350R European Version/350RL

J1	AC power receptacle, 3-phase, UL	YJA03S002U
J2, 3	AC accessory outlet, UL listed	YJA020005U
J4	Voltage selector receptacle	YJZ10S001U
P1	" plug	YPZ06S004U
J5	Fuse housing, AC line	YHF1S3001U
J6, 7	" Speaker Protect	YHF1S3006U
J8	1/4", stereo, Headphone	YJS03S016Z
J9, 10	Terminal, Speaker output	YTS04S007U
J11	5p, Antenna terminal	YTD05D001U
J12	Terminal, Ground	YTD01S001U
S1	Rotary switch, Power/Speaker, SEMKO	SU025106SA
PT1	AC power transformer	TPA85A001Y
M1	Meter, 500 $\mu$ A, Signal strength	ZMG2052N02
M2	" $\pm$ 250 $\mu$ A, FM Center tune	ZMF4052K02



## Scott 350R/RL

Symbol No.	Description	Part Code
M3, 4	Meter, 250 $\mu$ A, AF power output	ZMD2052K01
PL1-6	Lamp, 14V, 80mA	ZPA148103U
BA1	FM 300 ohm antenna input	TV750301AZ
BA2 (Euro 350R)	Loopstick antenna	TEAR155E01
BA2 (350RL)	"	TEAR200M01
L1 (Euro 350R)	RFC, AM antenna input, 150 $\mu$ H	LF151KA01T
L2 (Euro 350R only)	" " 2.2 $\mu$ H	LCADA3038A
L1 (350RL)	" " 2.2 $\mu$ H	LCADA3038A
C1, 2	Oil-paper capacitor, 0.01, 450V	CNST103MAN
C3	Ceramic capacitor, 0.047	CKDB473ZFT
F1	Fuse, 1.75A, AC primary	ZFBQ18202Z
F2, 3	" 4A, Speaker protect	ZFBQ40205Z
F4, 5	" 4.5A, AC secondary	ZFBQ45202Z
F6	" 1A, "	ZFBQ10206V
Q39, 40	Transistor, 2SD718	QTD0718XAT
Q41, 42	" 2SB688	QTB0688XAT

### Mechanical Parts

Exploded View No.	Description	Part Code
	Escutcheon (350R)	AM350R**01
	" (350RL)	AM350RL*01
	Front chassis	MB972SL004
	Chassis	MU865SL002
	Rear panel (US 350R)	MB972SE051
	" (Euro 350R)	MB972SE052
	" (350RL)	MB972SE053
	Chassis bridge	MU852SL004
	Dial scale bridge	ME86EAA034
	Dial pointer guiding rail	MS826SL001
	Head sinker, AF power amplifier	MU853AD001
	Tuning flywheel	AVFLYWL009
	Bottom plate	MS986SL001
	Cabinet cover	MU893SX002
	Knob, Tuning	MN386AA026
	" Volume	MN296XA003
	" Balance	MN296XA002



Exploded View No.	Description	Part Code
	Knob, Power/Speaker	MN376AA019
	" Treble/Bass	MN276XA020
	" lever switches	VN360SX001
	Dial pointer	MJ311BC001
	Dial scale (350R)	VS848AC001
	" (350RL)	VS848AC002

### Miscellaneous

Description	Part Code
Operating manual (European 350R)	KT350R**AE
" (US/Canada 350R)	KT350R**XX
" (350RL)	KT350RL*XX
Carton (European 350R)	KP350RE*01
" (US/Canada 350R)	KP350RUL01
" (350RL)	KP350RL*01

### [PSPW035COX] Power Supply

Symbol No.	Description	Part Code
Q1	FET, 2SK30A	QTK0030XBT
D1-4	Silicon diode, GM-3Z	QDSGM3ZXXD
D5	" 1S1555	QDSS1555XT
R1, 2	MOF resistor, 2.2k, 2W	RG2ANJ222N
C1, 2	Ceramic capacitor, 0.01, 500V	CKDE103PEM
C3, 4	Electrolytic capacitor, 8,200	CEQ1G82201
C5	" 4.7/25	CEEE4R7ALX
	Fuse housing	YHF0P0003Z