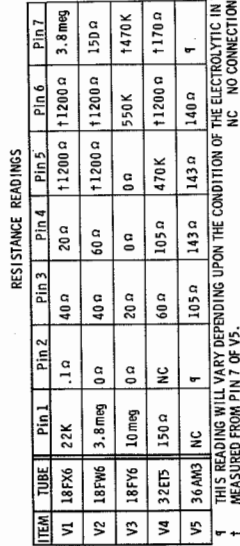


PARTS LIST AND DESCRIPTIONS (Continued)

CABINETS & CABINET PARTS (cont)

NAME		PART NO.	DESCRIPTION
Knob, Volume		742-0050	Model 5C18
"		742-0051	Model 5T18B
"		742-0049	Model 5T18T
Knob, Dimmer		740-0228	Models 5C12R, 5C12T, 5C12W, 5C18
Knob, Sleep-On-Off		740-0328	Models 1212, 1219, 1288
"		740-0255	Models 5C10B, 5C10P, 5C11B, 5C11T, 5C16B, 5C16T
"		"	Models 5C12R, 5C12T, 5C12W, 5C18
"		"	Models 5C17B, 5C17T
Knob, On-Off		740-0419	Models 1100, 1111, 1160
"		740-0321	Models 1300, 1301, 1308, 1309, 1322
Pushbutton, Snooze		740-0170	Model 5C17B
"		740-0409	Model 5C17T
"		740-0408	Model 5C18
"		740-0407	Models 1300, 1301, 1308, 1309, 1322
Pointer, Dial		792-0029	Models 1600, 1701, 1704, 1708, 1709
Crystal, Clock		717-0011	Models 1100, 1111, 1160
"		717-0010	Models 1212, 1219, 1288
"		717-0005	Models 5C10B, 5C10P, 5C11B, 5C11T, 5C16B, 5C16T, 5C17B, 5C17T
"		721-0033	Models 5C12R, 5C12T, 5C12W, 5C18
Dial		822-0083	Models 5T12R, 5T12T, 5T12W, 5T18
Cabinet Back		822-0011	Model 1100
"		822-0012	Model 1111
"		822-0086	Model 1160
"		822-0084	Model 1212
"		822-0085	Model 1219
"		822-0075	Model 1288
"		822-0079	Model 1300
"		822-0077	Model 1301
"		822-0078	Model 1308
"		822-0076	Model 1309
"		822-0069	Model 1322
"		822-0023	Model 1400
"		822-0024	Model 1401
"		813-0128	Model 1402
"		813-0134	Model 1403
"		813-0133	Model 1404
"		813-0135	Model 1405
"		813-0136	Model 1406
"		813-0137	Model 1407
"		813-0146	Model 1408
"		813-0154	Model 1409
"		813-0155	Model 1410
"		813-0156	Model 1411
"		813-0157	Model 1412
"		813-0158	Model 1413
"		813-0159	Model 1414
"		813-0160	Model 1415
"		813-0161	Model 1416
"		813-0162	Model 1417
"		813-0163	Model 1418
"		813-0164	Model 1419
"		813-0165	Model 1420
"		813-0166	Model 1421
"		813-0167	Model 1422
"		813-0168	Model 1423
"		813-0169	Model 1424
"		813-0170	Model 1425
"		813-0171	Model 1426
"		813-0172	Model 1427
"		813-0173	Model 1428
"		813-0174	Model 1429
"		813-0175	Model 1430
"		813-0176	Model 1431
"		813-0177	Model 1432
"		813-0178	Model 1433
"		813-0179	Model 1434
"		813-0180	Model 1435
"		813-0181	Model 1436
"		813-0182	Model 1437
"		813-0183	Model 1438
"		813-0184	Model 1439
"		813-0185	Model 1440
"		813-0186	Model 1441
"		813-0187	Model 1442
"		813-0188	Model 1443
"		813-0189	Model 1444
"		813-0190	Model 1445
"		813-0191	Model 1446
"		813-0192	Model 1447
"		813-0193	Model 1448
"		813-0194	Model 1449
"		813-0195	Model 1450
"		813-0196	Model 1451
"		813-0197	Model 1452
"		813-0198	Model 1453
"		813-0199	Model 1454
"		813-0200	Model 1455
"		813-0201	Model 1456
"		813-0202	Model 1457
"		813-0203	Model 1458
"		813-0204	Model 1459
"		813-0205	Model 1460
"		813-0206	Model 1461
"		813-0207	Model 1462
"		813-0208	Model 1463
"		813-0209	Model 1464
"		813-0210	Model 1465
"		813-0211	Model 1466
"		813-0212	Model 1467
"		813-0213	Model 1468
"		813-0214	Model 1469
"		813-0215	Model 1470
"		813-0216	Model 1471
"		813-0217	Model 1472
"		813-0218	Model 1473
"		813-0219	Model 1474
"		813-0220	Model 1475
"		813-0221	Model 1476
"		813-0222	Model 1477
"		813-0223	Model 1478
"		813-0224	Model 1479
"		813-0225	Model 1480
"		813-0226	Model 1481
"		813-0227	Model 1482
"		813-0228	Model 1483
"		813-0229	Model 1484
"		813-0230	Model 1485
"		813-0231	Model 1486
"		813-0232	Model 1487
"		813-0233	Model 1488
"		813-0234	Model 1489
"		813-0235	Model 1490
"		813-0236	Model 1491
"		813-0237	Model 1492
"		813-0238	Model 1493
"		813-0239	Model 1494
"		813-0240	Model 1495
"		813-0241	Model 1496
"		813-0242	Model 1497
"		813-0243	Model 1498
"		813-0244	Model 1499
"		813-0245	Model 1500
"		813-0246	Model 1501
"		813-0247	Model 1502
"		813-0248	Model 1503
"		813-0249	Model 1504
"		813-0250	Model 1505
"		813-0251	Model 1506
"		813-0252	Model 1507
"		813-0253	Model 1508
"		813-0254	Model 1509
"		813-0255	Model 1510
"		813-0256	Model 1511
"		813-0257	Model 1512
"		813-0258	Model 1513
"		813-0259	Model 1514
"		813-0260	Model 1515
"		813-0261	Model 1516
"		813-0262	Model 1517
"		813-0263	Model 1518
"		813-0264	Model 1519
"		813-0265	Model 1520
"		813-0266	Model 1521
"		813-0267	Model 1522
"		813-0268	Model 1523
"		813-0269	Model 1524
"		813-0270	Model 1525
"		813-0271	Model 1526
"		813-0272	Model 1527
"		813-0273	Model 1528
"		813-0274	Model 1529
"		813-0275	Model 1530
"		813-0276	Model 1531
"		813-0277	Model 1532
"		813-0278	Model 1533
"		813-0279	Model 1534
"		813-0280	Model 1535
"		813-0281	Model 1536
"		813-0282	Model 1537
"		813-0283	Model 1538
"		813-0284	Model 1539
"		813-0285	Model 1540
"		813-0286	Model 1541
"		813-0287	Model 1542
"		813-0288	Model 1543
"		813-0289	Model 1544
"		813-0290	Model 1545
"		813-0291	Model 1546
"		813-0292	Model 1547
"		813-0293	Model 1548
"		813-0294	Model 1549
"		813-0295	Model 1550
"		813-0296	Model 1551
"		813-0297	Model 1552
"		813-0298	Model 1553
"		813-0299	Model 1554
"		813-0300	Model 1555
"		813-0301	Model 1556
"		813-0302	Model 1557
"		813-0303	Model 1558
"		813-0304	Model 1559
"		813-0305	Model 1560
"		813-0306	Model 1561
"		813-0307	Model 1562
"		813-0308	Model 1563
"		813-0309	Model 1564
"		813-0310	Model 1565
"		813-0311	Model 1566
"		813-0312	Model 1567
"		813-0313	Model 1568
"		813-0314	Model 1569
"		813-0315	Model 1570
"		813-0316	Model 1571
"		813-0317	Model 1572
"		813-0318	Model 1573
"		813-0319	Model 1574
"		813-0320	Model 1575
"		813-0321	Model 1576
"		813-0322	Model 1577
"		813-0323	Model 1578
"		813-0324	Model 1579
"		813-0325	Model 1580
"		813-0326	Model 1581
"		813-0327	Model 1582
"		813-0328	Model 1583
"		813-0329	Model 1584
"		813-0330	Model 1585
"		813-0331	Model 1586
"		813-0332	Model 1587
"		813-0333	Model 1588
"		813-0334	Model 1589
"		813-0335	Model 1590
"		813-0336	Model 1591
"		813-0337	Model 1592
"		813-0338	Model 1593
"		813-0339	Model 1594
"		813-0340	Model 1595
"		813-0341	Model 1596
"		813-0342	Model 1597
"		813-0343	Model 1598
"		813-0344	Model 1599
"		813-0345	Model 1600
"		813-0346	Model 1601
"		813-0347	Model 1602
"		813-0348	Model 1603
"		813-0349	Model 1604
"		813-0350	Model 1605
"		813-0351	Model 1606
"		813-0352	Model 1607
"		813-0353	Model 1608
"		813-0354	Model 1609
"		813-0355	Model 1610
"		813-0356	Model 1611
"		813-0357	Model 1612
"		813-0358	Model 1613
"		813-0359	Model 1614
"		813-0360	Model 1615
"		813-0361	Model 1616
"		813-0362	Model 1617
"		813-0363	Model 1618
"		813-0364	Model 1619
"		813-0365	Model 1620
"		813-0366	Model 1621
"		813-0367	Model 1622
"		813-0368	Model 1623
"		813-0369	Model 1624
"		813-0370	Model 1625
"		813-0371	Model 1626
"		813-0372	Model 1627
"		813-0373	Model 1628
"		813-0374	Model 1629
"		813-0375	Model 1630
"		813-0376	Model 1631
"		813-0377	Model 1632
"		813-0378	Model 1633
"		813-0379	Model 1634
"		813-0380	Model 1635
"		813-0381	Model 1636
"		813-0382	Model 1637
"		813-0383	Model 1638
"		813-0384	Model 1639
"		813-0385	Model 1640
"		813-0386	Model 1641
"		813-0387	Model 1642
"		813-0388	Model 1643
"		813-0389	Model 1644
"		813-0390	Model 1645
"		813-0391	Model 1646
"		813-0392	Model 1647
"		813-0393	Model 1648
"		813-0394	Model 1649
"		813-0395	Model 1650
"		813-0396	Model 1651
"		813-0397	Model 1652
"		813-0398	Model 1653
"		813-0399	Model 1654
"		813-0400	Model 1655
"		813-0401	Model 1656
"		813-0402	Model 1657
"		813-0403	Model 1658
"		813-0404	Model 1659
"		813-0405	Model 1660
"		813-0406	Model 1661
"		813-0407	Model 1662
"		813-0408	Model 1663
"		813-0409	Model 1664
"		813-0410	Model 1665
"		813-0411	Model 1666
"		813-0412	Model 1667
"		813-0413	Model 1668
"		813-0414	Model 1669
"		813-0415	Model 1670
"		813-0416	Model 1671
"		813-0417	Model 1672
"		813-0418	Model 1673
"		813-0419	Model 1674
"		813-0420	Model 1675
"		813-0421	Model 1676
"		813-0422	Model 1677
"		813-0423	Model 1678
"		813-0424	Model 1679
"		813-0425	Model 1680
"		813-0426	Model 1681
"		813-0427	Model 1682
"		813-0428	Model 1683
"		813-0429	Model 1684
"		813-0430	Model 1685
"		813-0431	Model 1686
"		813-0432	Model 1687
"		813-0433	Model 1688
"		813-0434	Model 1689
"		813-0435	Model 1690



1. DC voltage measurements taken with vacuum tube voltmeter.
2. AC voltages measured with 1000 ohm per volt voltmeter.
3. Socket connections are shown as bottom views.
4. Measured values are from socket pin to common ground.
5. Voltage readings are from 117 volts for voltage readings.
6. Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
7. Volume control at maximum, no signal applied for voltage measurements.

©Howard W. Soms & Co., Inc. 1961

A Howard W. Sams **CIRCUITRACE®** Photo **ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED**

PARTS LIST AND DESCRIPTIONS

TUBES

PARTS LIST AND DESCRIPTIONS

• GENERAL ELECTRIC •			• RAYTHEON •		• SYLVANIA •	
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	
V1	Converter	18FX3	V4	Output Rectifier	32ET5	
V2	IF Amplifier	18FW6	V5		36AM3	
V3	Det. -AVC-AF Amp.	18FY6				

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Golden Shield PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.	NOTES
C1A	70	150	101-2018	PWH2-17-50	XBO181 †	PPF214, 3	TMD-2125 †	PCL-2441	
B	30	150							

† Use printed circuit adapters 55277 & 55278.
* Use printed circuit adapter kit TMA.

PARTS LIST AND DESCRIPTIONS (Continued)

FIXED CAPACITORS
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNING DUBILIER PART No.	ELEMENT PART No.	MALLOY PART No.	SPRAGUE PART No.
C2	.047 400V		P48BN-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C3	.022 400V		P48BN-022	DD-503	CUB4S22	4DP-2-223	GEM-4122	4TM-S22
C4	.047 400V	Note 1	P48BN-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C5	.047 400V		P48BN-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47

Note 1. Not used in some versions.

CONTROLS

ITEM No.	RATING RESIST- ANCE 500K	WATTS 1/4W	REPLACEMENT DATA					INSTALLATION NOTES
			Golden Shield PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
RL			157-0057				22-55A	Volume (Note 1)

Note 1.

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS			IRC PART No.	WORKMAN PART No.	REMARKS
R2	2502				R6	47K			
R3	2202				R7	150Ω			
R4	3.3meg				R8	1200Ω 1W			
R5	150Ω								

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		Goldem Shield PART No.	Meritt PART No.	Miller PART No.	Stancor PART No.	
L1	Loopstick Osc.	(See Chart) L13-0046 ①	BC-419	705-A	T532	① Part #13-0045 used in Chassis 630 Series.
L2	Input IF	BC-356	BC-356	13-FC1	T814	
L3	Output IF	121-0108	BC-357	13-FC2	T815	
L4		121-0108				

Series use Loonstick Part #581-0015

Models using Chassis 651 Series use Loopstick Part #581-0015					
MODEL NO.	LOOP PART NO.	MODEL NO.	LOOP PART NO.	MODEL NO.	LOOP PART NO.
5C10B	583-0046	5C1VB	582-0061	5T12T	582-0054
5C10P	583-0047	5C1VT	582-0062	5T12W	582-0052
5C1UB	583-0044	5C1B	582-0059	5T16B	582-0064
5C1UT	583-0045	5T10B	582-0048	5T16T	582-0063
5C1V	583-0050	5T10B	582-0041	5T18	582-0080
5C1Z	583-0051	5T1B	582-0043	60U	582-0055
5C1W	583-0049	5T1B	582-0042	60U	582-0055
5C1B	582-0061	5T12R	582-0053	6018	582-0055
5C1T	582-0062				

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Golden Shield PART No.	REPLACEMENT DATA
KI	Audio Coupling	(3) 100mmf, 125mmf, (2) 5000mmf, (2) 470K, 10meg	190-0028	Centralab PC-380

630-5, -6, -7, -8, -9, 651-1, -2, -3, -4