# HITACHI
# SERVICE MANUAL

YK | No.806E

## CT1324/CT1326
## CT13X6

This service manual shows only essential items.
Our complete service manual including "alignment procedure", "trouble shooting" and "technical information" are issued by manual No. 820.

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CAUTION: Before servicing this chassis, it is important that the service technician read the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

### SPECIFICATIONS

ANTENNA INPUT IMPEDANCE ..... 300Ω and 75Ω
TELEVISION R-F FREQUENCY RANGE
- All 12 VHF Channels ..... 54MHz to 88MHz, 174MHz to 216MHz
- All 70 UHF Channels ..... 470MHz to 890MHz

INTERMEIDATE FREQUENCIES
- Picture I-F Carrier Frequency ..... 45.75MHz
- Sound I-F Carrier Frequency ..... 41.25MHz
- Sound I-F Frequency ..... 4.5MHz
- Color Sub-Carrier Frequency ..... 3.58MHz

POWER INPUT ..... 120 V, 60 Hz
POWER RATING ..... 76W
CONVERGENCE ..... Self convergence
FOCUS ..... Electrostatic
PICTURE TUBE ..... 370HRB22
SOUND OUTPUT ..... 1W, 400Hz
SPEAKER ..... 7.7cm, 8Ω
DIMENSIONS (W) ..... 43.6 cm
(H) ..... 34.1 cm
(D) ..... 37.8 cm
WEIGHT ..... appr. 12kg

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

## SOLID STATE COLOR TELEVISION


April 1982 YOKOHAMA WORKS

## SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis or picture tube.

WARNING: Since the chassis of this receiver is connected to one side of AC power supply during operation, whenever the receiver is plugged in, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of receiver.

The following precautions should be observed:

1. Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep picture tube away from the body while handling.
2. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on a "HOT" chassis receiver.
3. When replacing a chassis in the receiver, all the protective devices must be put back in place, such as barriers, non-metallic knobs, adjustment and compartment covershields, isolation resistor-capacitor, etc.
4. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
5. Always use the manufacturer's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
6. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the receiver by the manufacturer has become defective, or inadvertently defeated during servicing.

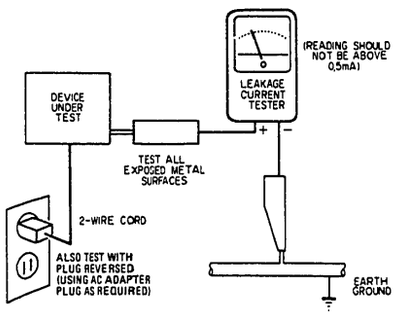
Therefore, the following checks should be performed for the continued protection of the customer and service technician.

### Leakage Current Cold Check

With the AC plug removed from the AC120V, 60Hz source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of 0.3MΩ and a maximum resistor reading of 5MΩ. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

### Leakage Current Hot Check

Plug the AC line cord directly into a AC120V, 60Hz outlet (do not use an isolation transformer for this check). Turn the AC power switch on. Using a "leakage Current Tester (Simpson Model 229 equvalent)", Measure for current from all exposed metal parts of the cabinet (antennas, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.




*AC Leakage Test*

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE RECEIVER TO THE CUSTOMER.

### High Voltage

This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.

### Serviceman warning

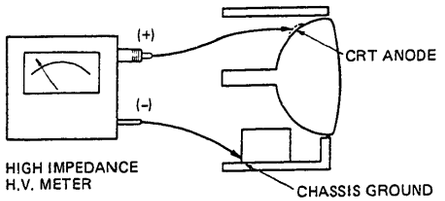
With minimum Brightness and Picture, operating high voltage in this receiver is lower than 27.0KV. In case any component having influence on high voltage is replaced, confirm that high voltage with minimum Brightness and Picture is lower than 27.0KV.

To measure H.V. use a high impedance H.V. meter. Connect (–) to chassis earth and (+) to the CRT anode button. (See the following connection diagram).

**NOTE:** Turn power switch off without fail before the connection with Anode button is made.








### X-radiation

TUBE: The primary source of X radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X radiation emissions.

For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.

When trouble shooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.

Do not operate the chassis longer than is necessary to locate the cause excessive voltage.

## PRODUCT SAFETY NOTICE

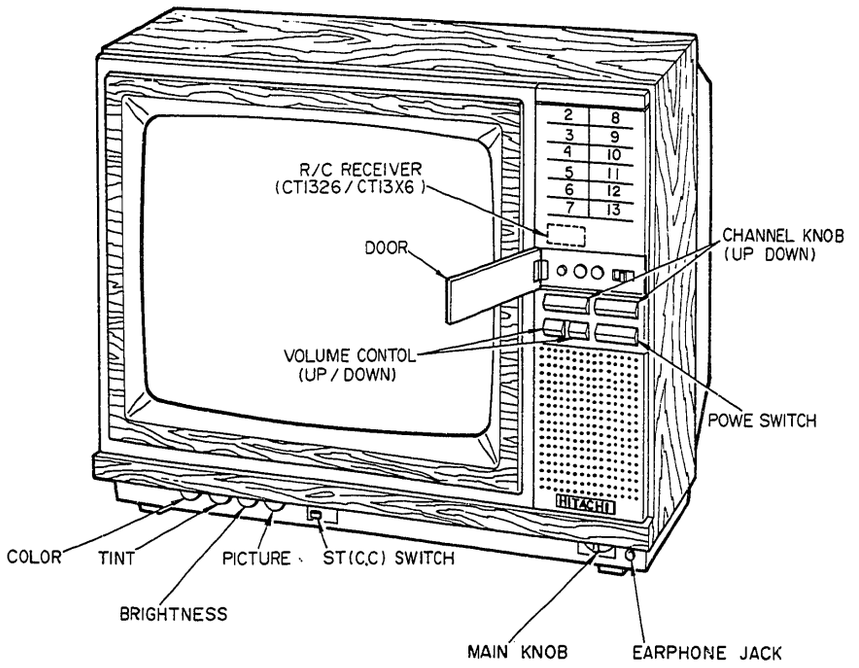
Many electrical and mechanical parts in HITACHI television receiver have special safetyrelated characteristics. These are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by making with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, X-radiation, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of, HITACHI Service Manual may be obtained at a nominal charge from HITACHI SALES CORPORATION.

## CONTROLS



## TECHNICAL CAUTIONS

## [CHECK OF HIGH VOLTAGE HOLD DOWN CIRCUIT]

**Checking of the high voltage hold down circuit operation**

1. Turn the switch of the set OFF.
2. Connect a high voltage voltmeter between the CRT anode and the anode of D701 as shown in Fig. 1.
3. Short R915 using a shorting lead wire as shown in Fig. 2.
4. Set Brightness/Picture controls to max.
5. Turn the switch of the set ON after setting the AC input voltage to 0V, and then gradually increase the AC input voltage and check that the picture disappears when the high voltage is less than 29.0KV.
6. Turn the switch of the set OFF immediately after checking that the picture disappears.
7. Remove the adjusting jig and the voltmeter.

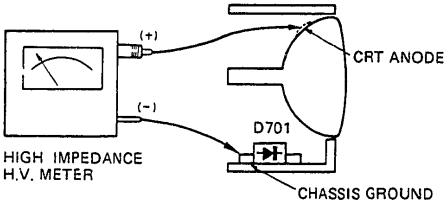



Fig. 1 Connection of H.V. Meter

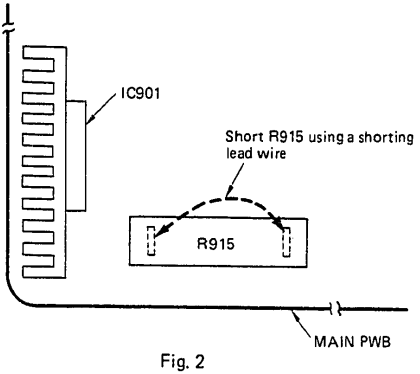
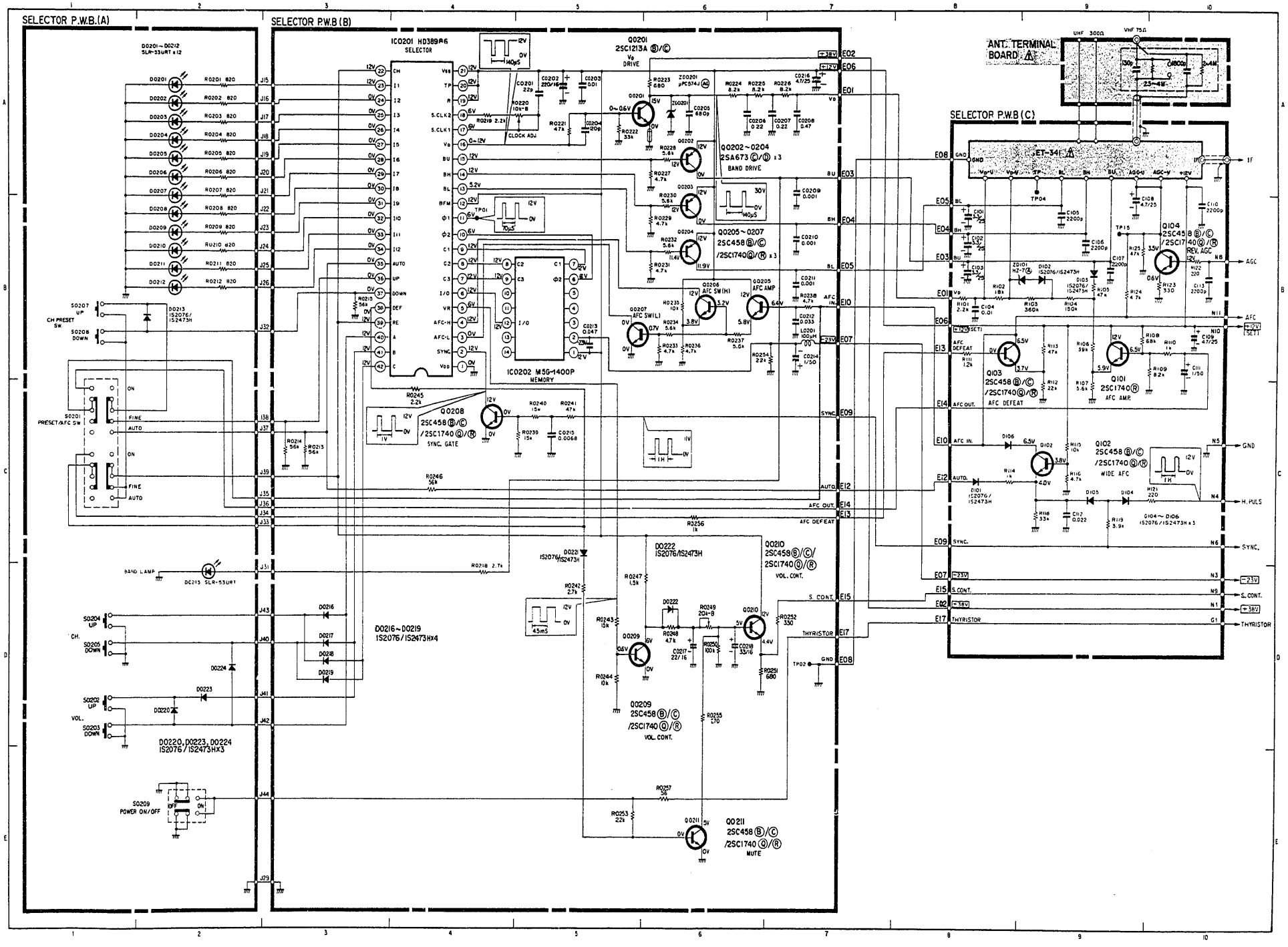



Fig. 2

## PROGRAM SELECTOR CIRCUIT DIAGRAM (CT1324)

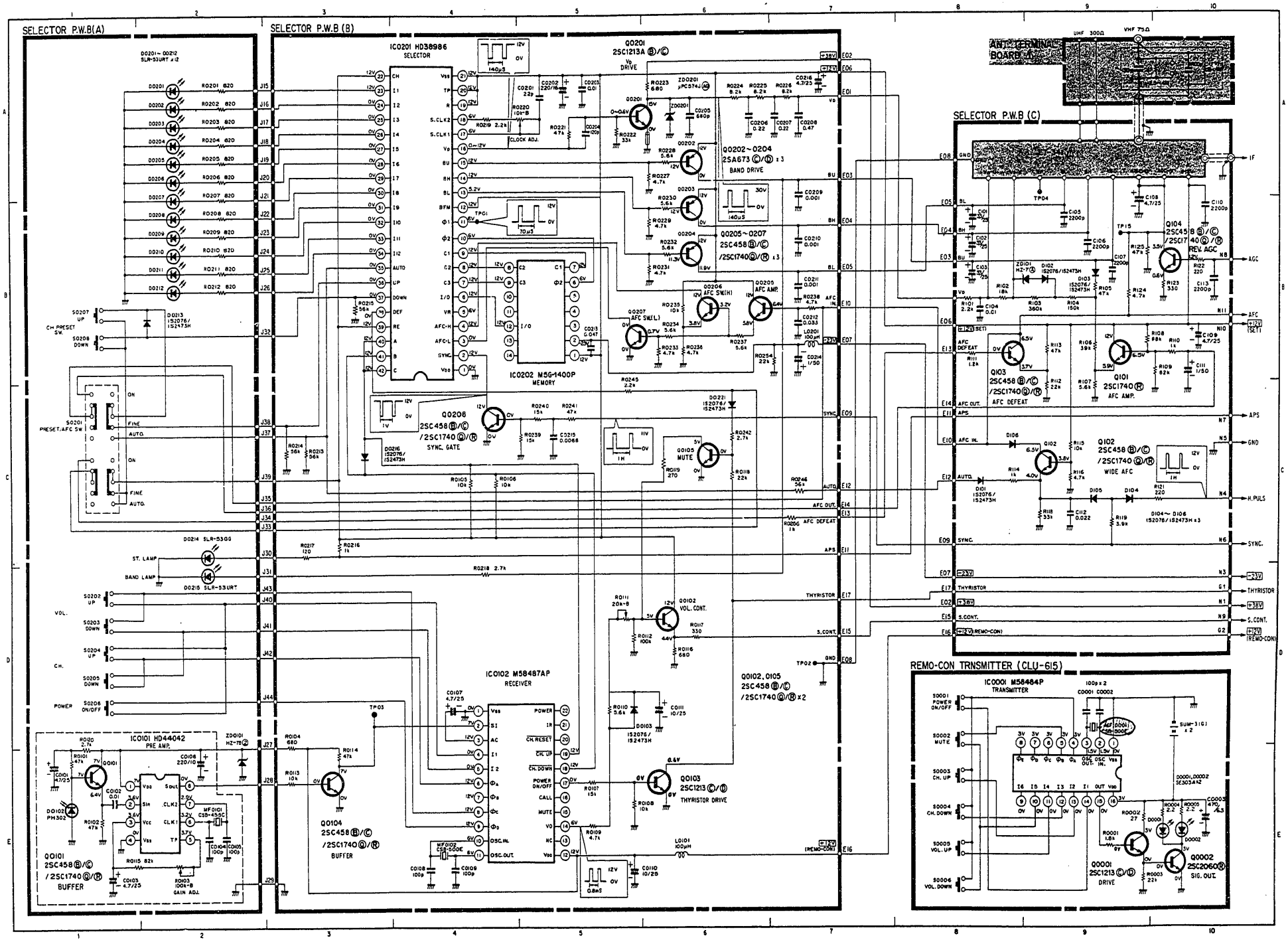
**PRODUCT SAFETY NOTE:** Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.




- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V).
  Voltage taken on a complex color bar signal including a standard color bar signal.

# PROGRAM SELECTOR CIRCUIT DIAGRAM (CT1326/CT13X6)

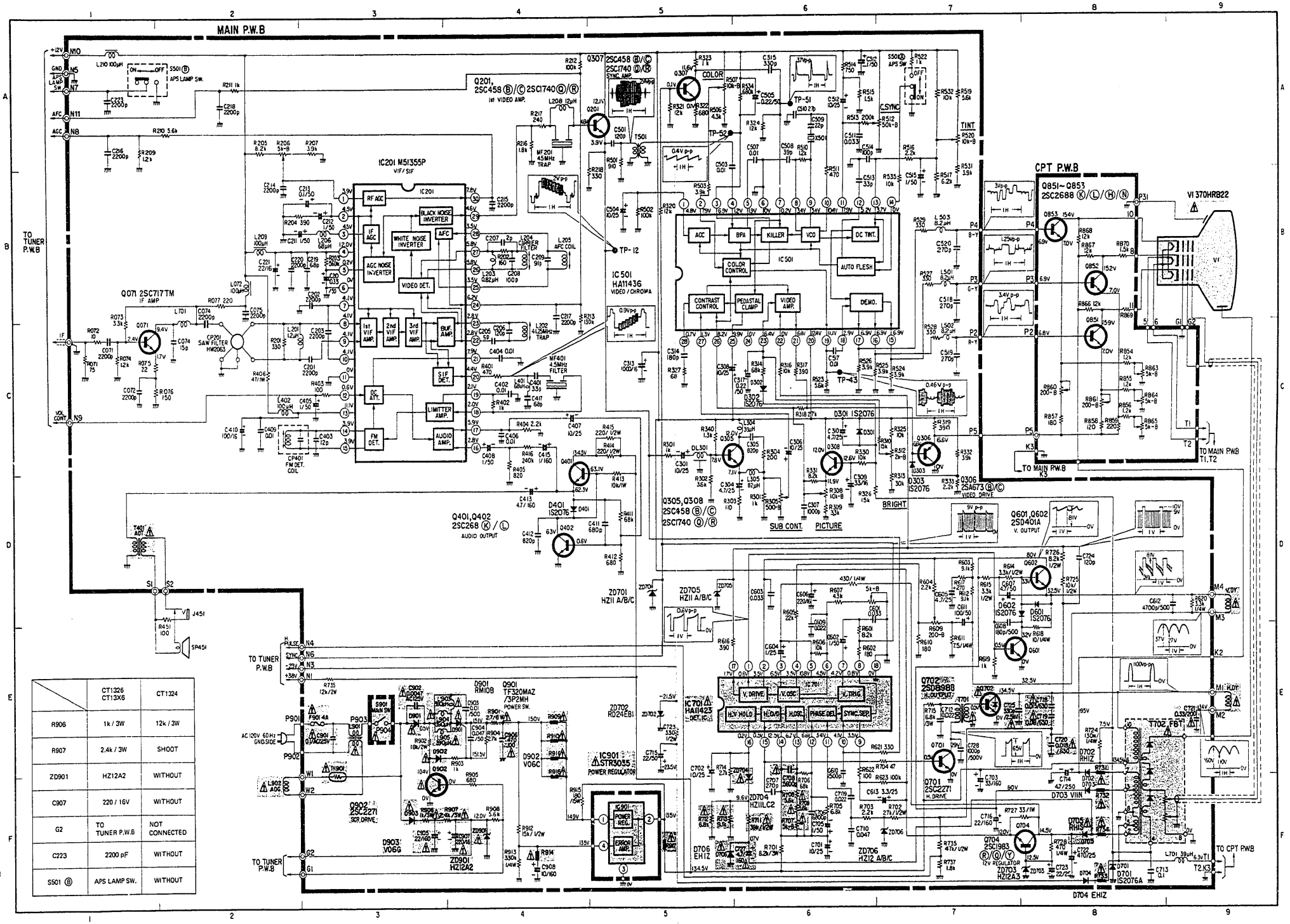
**PRODUCT SAFETY NOTE:** Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver though improper servicing.




- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V).
  Voltage taken on a complex color bar signal including a standard color bar signal.

# BASIC CIRCUIT DIAGRAM (CT1324/CT1326/CT13X6)

**PRODUCT SAFETY NOTE:** Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components read carefully the product safety notice of this service manual. Don't degrade the safety of the receiver through improper servicing.



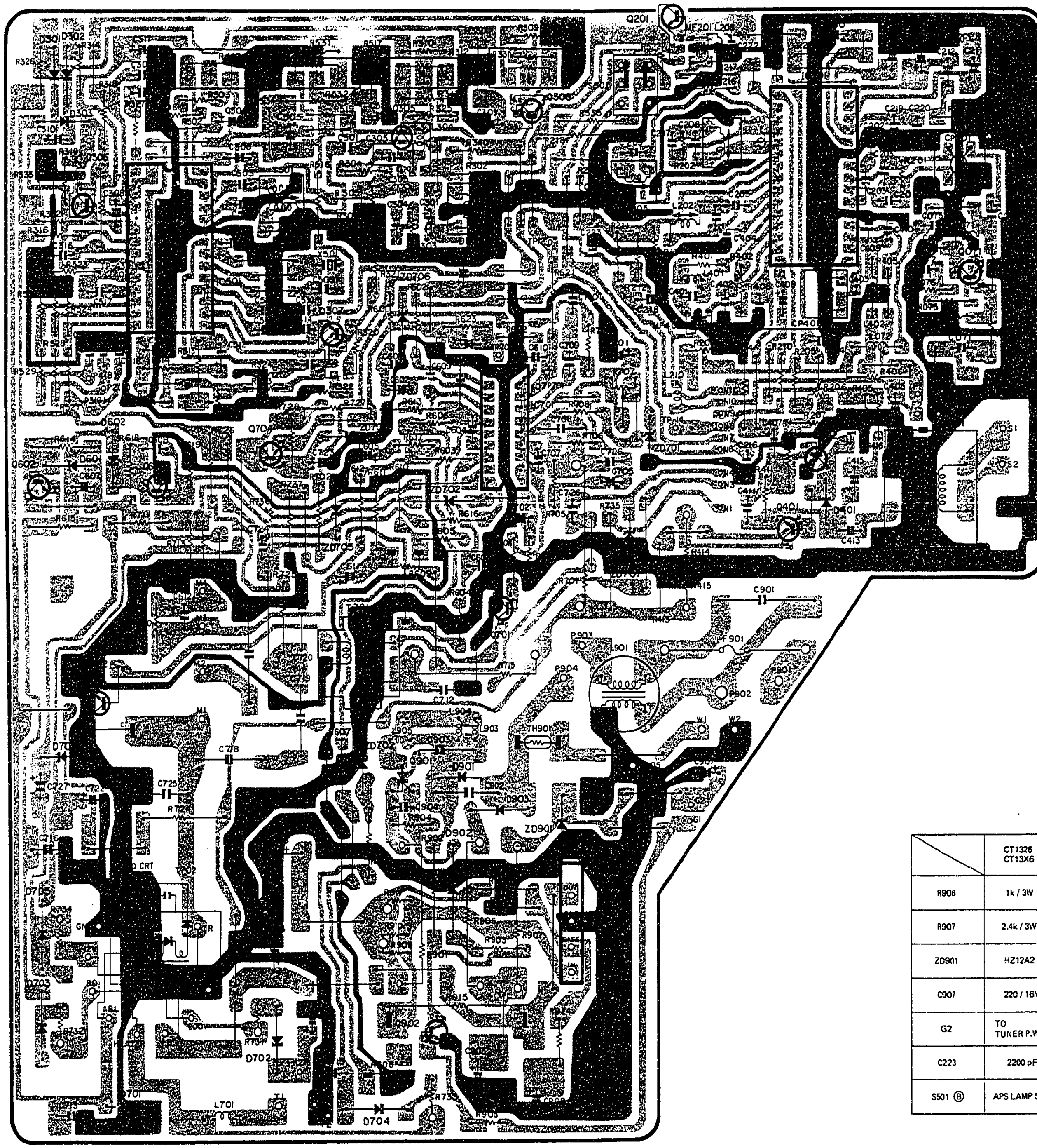

| | CT1326 CT13X6 | CT1324 |
|---|---|---|
| R906 | 1k / 3W | 12k / 3W |
| R907 | 2.4k / 3W | SHOOT |
| ZD901 | HZ12A2 | WITHOUT |
| C907 | 220 / 16V | WITHOUT |
| G2 | TO TUNER P.W.B | NOT CONNECTED |
| C223 | 2200 pF | WITHOUT |
| S501 Ⓑ | APS LAMP SW. | WITHOUT |

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100KΩ/V).
  Voltage taken on a complex color bar signal including a standard color bar signal.

... +B PATTERN
... SIGNAL PATTERN
... GROUND PATTERN

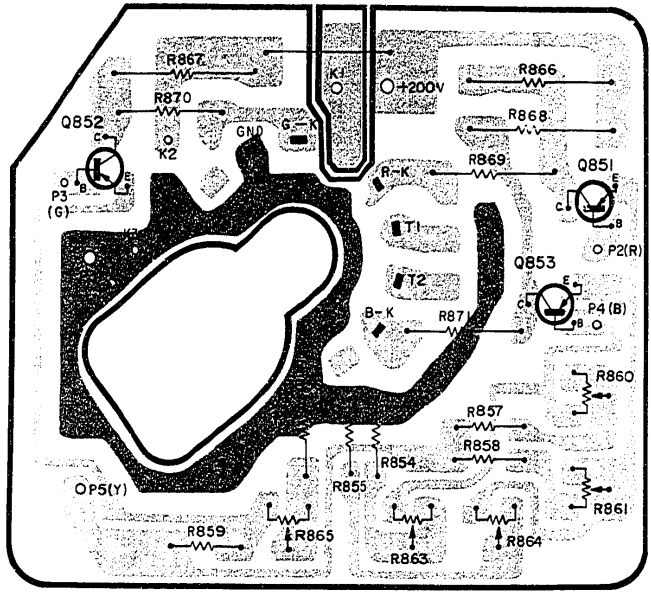
# PRINTED WIRING BOARD

## MAIN P.W. BOARD

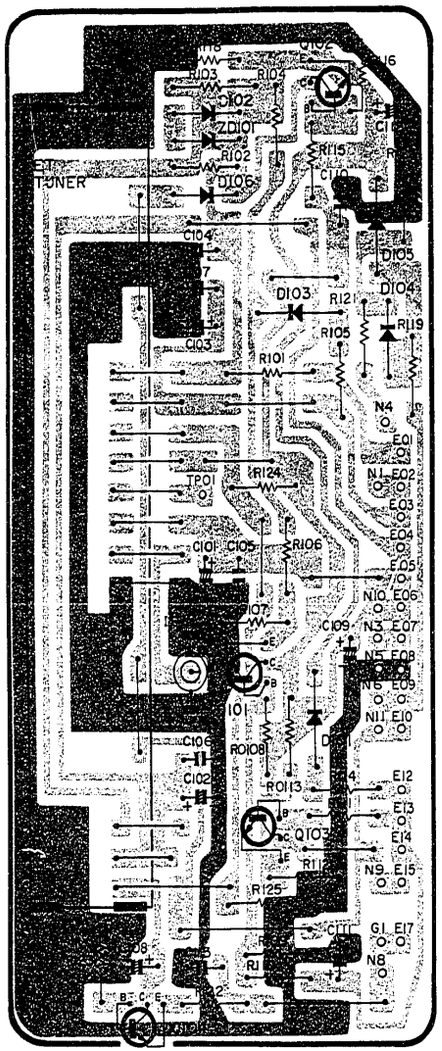


| | CT1326<br>CT13X6 | CT1324 |
|---|---|---|
| R906 | 1k / 3W | 12k / 3W |
| R907 | 2.4k / 3W | SHOOT |
| ZD901 | HZ12A2 | WITHOUT |
| C907 | 220 / 16V | WITHOUT |
| G2 | TO TUNER P.W.B | NOT CONNECTED |
| C223 | 2200 pF | WITHOUT |
| S501 Ⓑ | APS LAMP SW. | WITHOUT |

## C.R.T P.W. BOARD


R867
R870
Q852
K1
K2
GND
G-K
+200V
R866
R868
R869
R-K
Q851
P3
(G)
T1
T2
Q853
P2(R)
P4 (B)
B-K
R87
R860
R857
R858
R854
R855
P5(Y)
R861
R859
R865
R863
R864

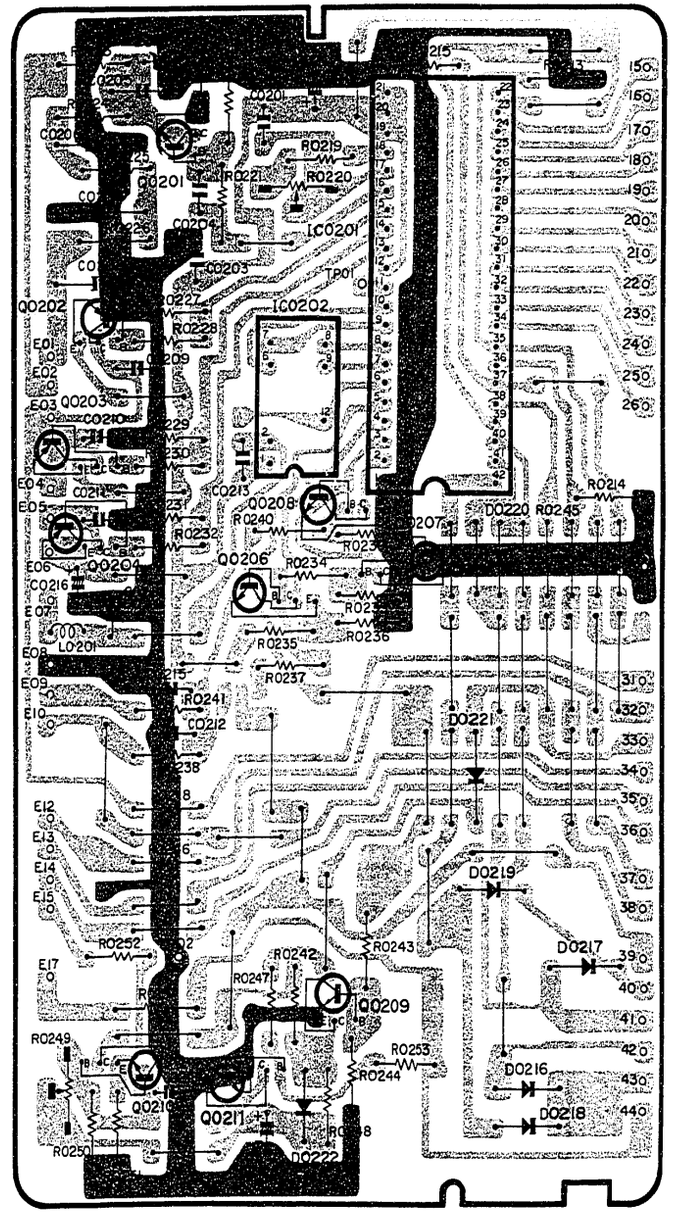
## SELECTOR P.W.BOARD (C) (CT1324)



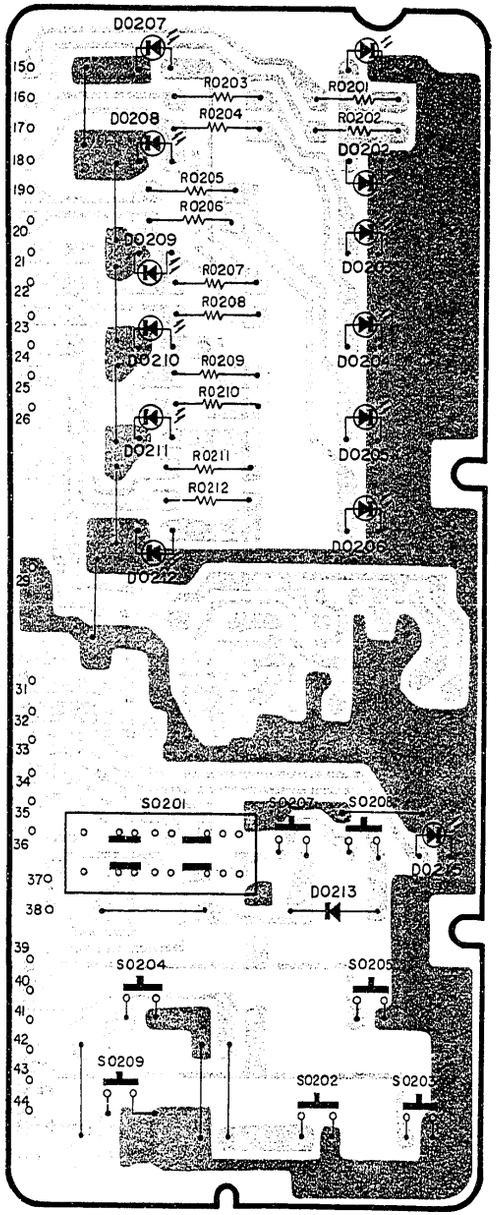





## SELECTOR P.W.BOARD (B) (CT1324)



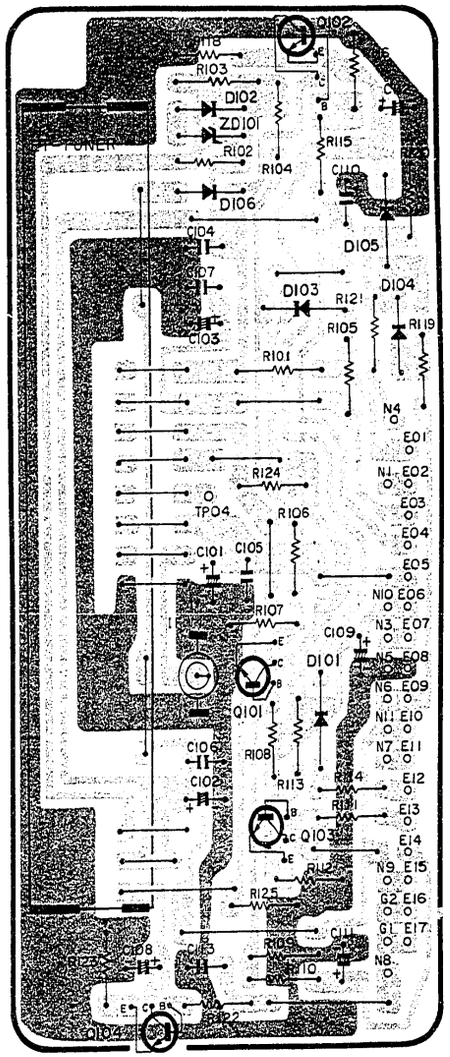
SELECTOR P.W.BOARD (A) (CT1324)



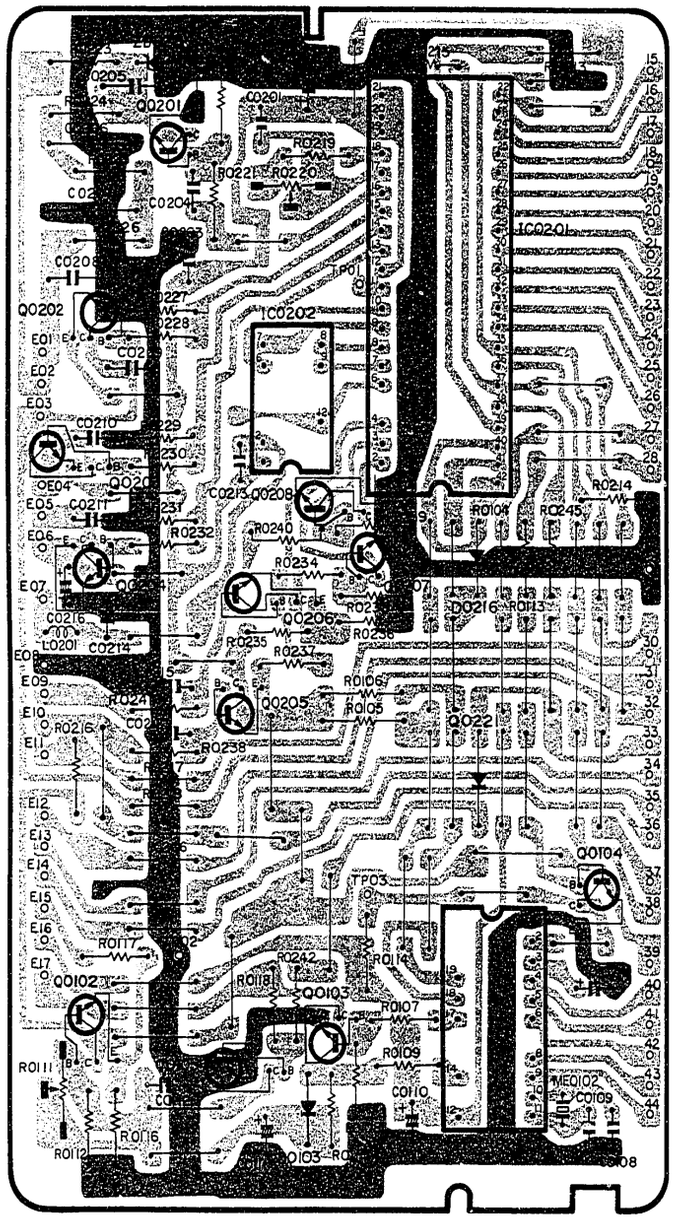





SELECTOR P.W.BOARD (C) (CT1326/CT13X6)

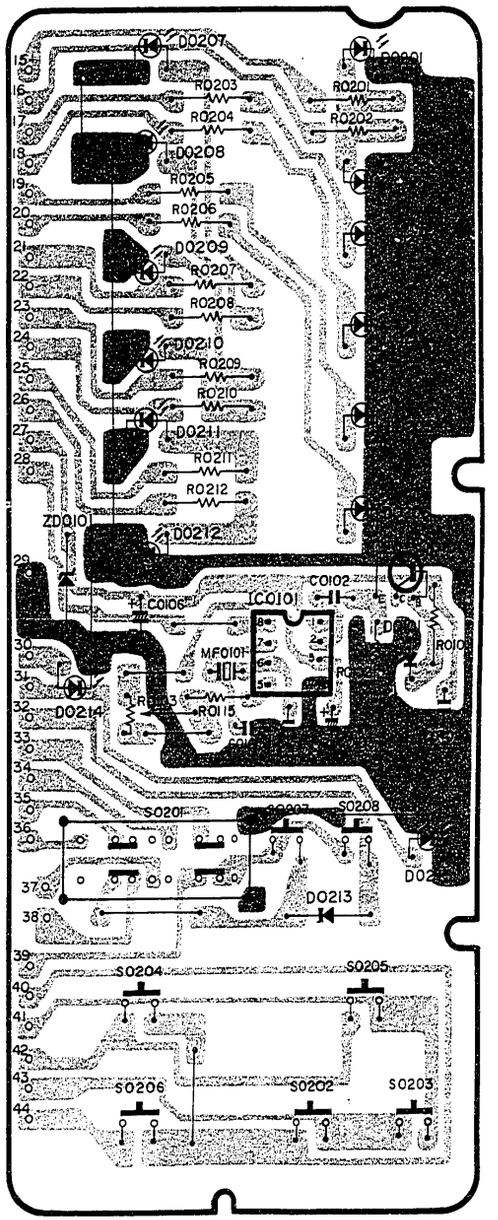


SELECTOR P.W.BOARD (B) (CT1326/CT13X6)



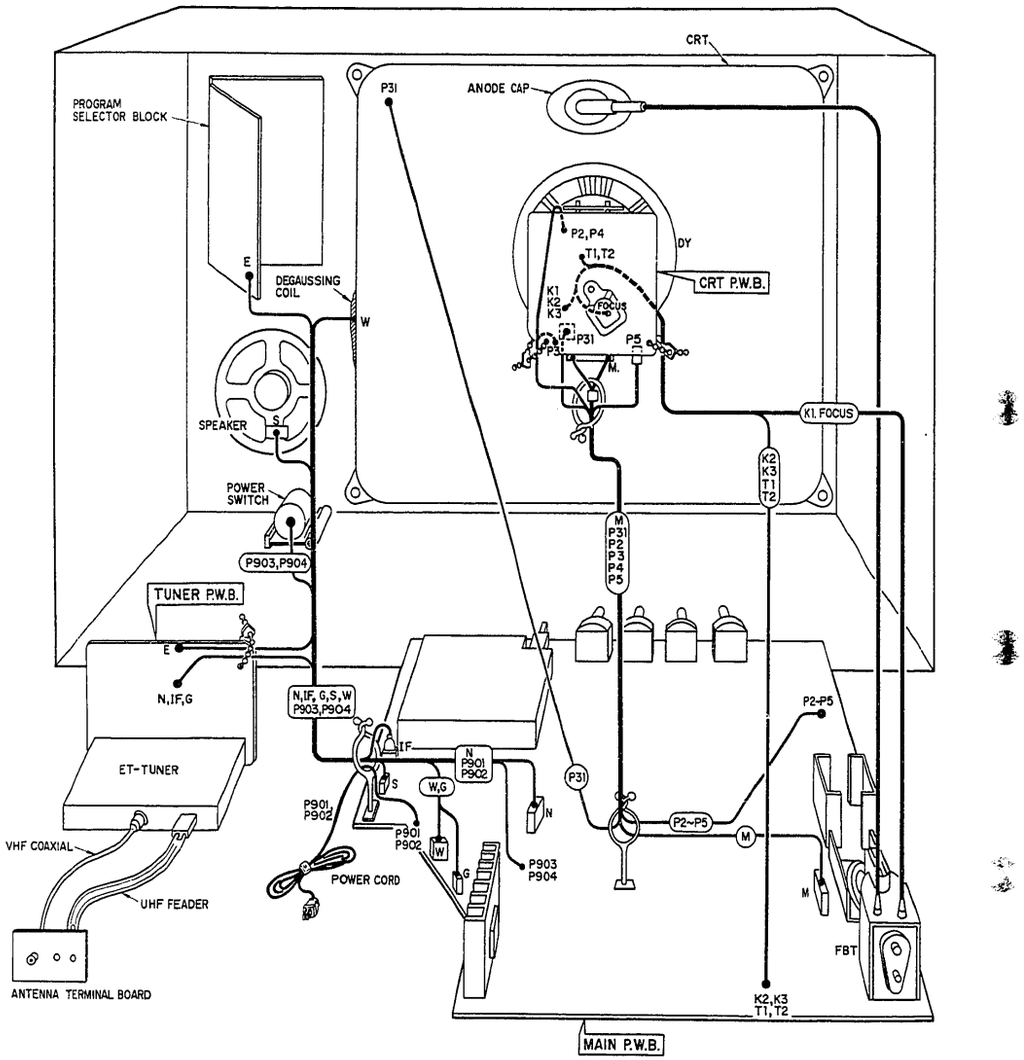



SELECTOR P.W.BOARD (A) (CT1326/CT13X6)



## WIRING DIAGRAM

### CT1324/CT1326/CT13X6








## REPLACEMENT PARTS LIST

**PRODUCT SAFETY NOTE:** Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

**ABBREVIATIONS:** Capacitors . . . . . CD: Ceramic disk, PF: Polyester film, EL: Electrolytic. PP: Polypropylene, PR: Paper.
Resistors . . . . . CF: Carbon film, CC: Carbon composition, OMF: Metal oxide film. VR: Variable resistor, WW: Wire would, FR: Fuse resistor.
[All CD, PF and PP capacitors are ±5%, 50V and all resistors, ±5%, ¼W unless otherwise noted.]

| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| **CAPACITORS** | | |
| C071 | 0244105 | CD, 2200pF, ±10% |
| C072 | 0244105 | CD, 2200pF, ±10% |
| C073 | 0246444 | CD, 15pF |
| C074 | 0244105 | CD, 2200pF, ±10% |
| C075 | 0244105 | CD, 2200pF, ±10% |
| C101 | 0252613 | EL, 3.3mfd, 25V |
| C102 | 0252613 | EL, 3.3mfd, 25V |
| C103 | 0252613 | EL, 3.3mfd, 25V |
| C104 | 0277013 | PF, 0.01mfd, ±10% |
| C105 | 0244105 | CD, 2200pF, ±10% |
| C106 | 0244105 | CD, 2200pF, ±10% |
| C107 | 0244105 | CD, 2200pF, ±10% |
| C108 | 0252522 | EL, 20mfd, 15V |
| C109 | 0252615 | EL, 4.7mfd, 25V |
| C110 | 0244105 | CD, 2200pF, ±10% |
| C111 | 0252811 | EL, 1mfd, 50V |
| C112 | 0277017 | PF, 0.022mfd, ±10% |
| C113 | 0244105 | CD, 2200pF, ±10% |
| C201 | 0244105 | CD, 2200pF, ±10% |
| C202 | 0244105 | CD, 2200pF, ±10% |
| C203 | 0244105 | CD, 2200pF, ±10% |
| C205 | 0246415 | CD, 5pF, ±0.25pF |
| C206 | 0246466 | CD, 120pF |
| C207 | 0246412 | CD, 2pF |
| C208 | 0246464 | CD, 100pF |
| C209 | 0246463 | CD, 91pF |
| C210 | 0252807 | EL, 0.33mfd, 50V |
| C211 | 0252811 | EL, 1mfd, 50V |
| C212 | 0252811 | EL, 1mfd, 50V |
| C213 | 0252805 | EL, 0.1mfd, 50V |
| C214 | 0244105 | CD, 2200pF, ±10% |
| C215 | 0244105 | CD, 2200pF, ±10% |
| C216 | 0244105 | CD, 2200pF, ±10% |
| C217 | 0244105 | CD, 2200pF, ±10% |
| C218 | 0244105 | CD, 2200pF, ±10% |
| C219 | 0248680 | CD, 68pF |
| C220 | 0244105 | CD, 2200pF, ±10% |
| C221 | 0252522 | EL, 20mfd, 15V |
| C222 | 0244139 | CD, 1000pF, ±10% |
| C223 | 0244105 | CD, 2200pF, ±10% |
| C301 | 0252621 | EL, 10mfd, 25V |
| C304 | 0252615 | EL, 4.7mfd, 25V |
| C305 | 0244120 | CD, 820pF, ±10% |
| C306 | 0252621 | EL, 10mfd, 25V |
| C307 | 0244139 | CD, 1000pF, ±10% |
| C308 | 0252621 | EL, 10mfd, 25V |
| C309 | 0252523 | EL, 30mfd, 16V |
| C310 | 0252615 | EL, 4.7mfd, 25V |
| C312 | 0252811 | EL, 1mfd, 50V |
| C313 | 0253054 | EL, 1000mfd, 16V |
| C314 | 0244116 | CD, 180pF, ±10% |
| C315 | 0244113 | CD, 330pF, ±10% |
| C317 | 0252806 | EL, 0.22mfd, 50V |
| C401 | 0248672 | CD, 33pF |
| C402 | 0244171 | CD, 0.01mfd, +80, -20% |
| C403 | 0246442 | CD, 12pF |
| C404 | 0277013 | PF, 0.01mfd, ±10% |
| C405 | 0252811 | EL, 1mfd, 50V |
| C406 | 0244171 | CD, 0.01mfd, +80, -20% |
| C407 | 0252621 | EL, 10mfd, 25V |
| C408 | 0252811 | EL, 1mfd, 50V |
| C409 | 0244171 | CD, 0.01mfd, +80, -20% |
| C410 | 0252531 | EL, 100mfd, 16V |
| C411 | 0243511 | CD, 680pF |
| C412 | 0243512 | CD, 820pF, ±10%, 500V |
| C413 | 0257537 | EL, 4.7mfd, 160V |
| C415 | 0257535 | EL, 1mfd, 160V |
| C417 | 0248680 | CD, 68pF |
| C501 | 0248686 | CD, 120pF |
| C503 | 0244171 | CD, 0.01mfd, +80, -20% |
| C504 | 0252621 | EL, 10mfd, 25V |
| C505 | 0252806 | EL, 0.22mfd, 50V |
| C507 | 0244171 | CD, 0.01mfd, +80, -20% |
| C508 | 0246454 | CD, 39pF |
| C509 | 0246448 | CD, 22pF |
| C510 | 0246450 | CD, 27pF |
| C511 | 0277019 | PF, 0.033mfd, ±10% |
| C512 | 0252621 | EL, 10mfd, 25V |
| C513 | 0248672 | CD, 33pF |
| C514 | 0248684 | CD, 100pF |
| C515 | 0252811 | EL, 1mfd, 50V |
| C517 | 0244171 | CD, 0.01mfd, +80, -20% |
| C518 | 0244136 | CD, 270pF, ±10% |
| C519 | 0244136 | CD, 270pF, ±10% |
| C520 | 0244136 | CD, 270pF, ±10% |
| C601 | 0277019 | PF, 0.033mfd, ±10% |
| C602 | 0253082 | EL, 1mfd, 50V |
| C603 | 0277019 | PF, 0.033mfd, ±10% |
| C604 | 0292706 | PP, 1mfd, 25V |
| C605 | 0253065 | EL, 4.7mfd, 25V |
| C606 | 0252532 | EL, 200mfd, 16V |
| C607 | 0253085 | EL, 4.7mfd, 50V |
| C608 | 0243504 | CD, 180pF, ±10%, 500V |
| C609 | 0277017 | PF, 0.022mfd, ±10% |
| C610 | 0244103 | CD, 1500pF, ±10% |
| C611 | 0252861 | EL, 100mfd, 50V |
| C612 | 0244565 | CD, 4700pF, +100, -0%, 500V |
| C613 | 0253084 | EL, 3.3mfd, 50V |
| C701 | 0253066 | EL, 10mfd, 25V |
| C702 | 0253066 | EL, 10mfd, 25V |
| C703 | 0258586 | EL, 33mfd, 160V |
| C705 | 0253082 | EL, 1mfd, 50V |
| C706 | 0244111 | CD, 6800pF, ±10% |
| C707 | 0244136 | CD, 270pF, ±10% |
| ⚠C708 | 0299978 | PP, 5600pF, 630V |
| C709 | 0277017 | PF, 0.022mfd, ±10% |
| C710 | 0277021 | PF, 0.047mfd, ±10% |
| C712 | 0279851 | PF, 0.022mfd, ±10%, 100V |
| C713 | 0277025 | PF, 0.1mfd, ±10%, 200V |
| C714 | 0259842 | EL, 4.7mfd, AC250V |
| C715 | 0253067 | EL, 22mfd, 25V |
| C716 | 0258590 | EL, 22mfd, 160V |
| ⚠C718 | 0299624 | PP, 0.015mfd, ±10%, 630V |
| ⚠C719 | 0299993 | PP, 0.018mfd, ±10%, 630V |
| ⚠C720 | 0299993 | PP, 0.018mfd, ±10%, 630V |
| ⚠C721 | 0299932 | PP, 0.33mfd, ±10% 200V |
| C722 | 0253073 | EL, 470mfd, 25V |
| C723 | 0253067 | EL, 22mfd, 25V |
| C724 | 0247856 | CD, 120pF, ±10%, 500V |
| ⚠C725 | 0243837 | CD, 330pF, ±10%, 2.5KV |
| ⚠C727 | 0257537 | EL, 4.7mfd, 160V |
| C728 | 0244501 | CD, 1000pF, ±10%, 500V |
| ⚠C901 | 0279832 | PF, 0.1mfd, 125V |
| ⚠C902 | 0249150 | CD, 4700pF, AC125V |
| C903 | 0244541 | PP, 0.01mfd, ±10%, 500V |
| C904 | 0277021 | PF, 0.047mfd, ±10% |
| ⚠C905 | 0258590 | EL, 22mfd, 160V |
| ⚠C906 | 0259976 | EL, 470mfd, 200V |
| C907 | 0253051 | EL, 220mfd, 16V |
| C908 | 0258584 | EL, 10mfd, 160V |

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| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| C0001 | 0248684 | CD, 100pF |
| C0002 | 0248684 | CD, 100pF |
| C0003 | 0253013 | EL, 470mfd, 6.3V |
| C0101 | 0252615 | EL, 4.7mfd, 25V |
| C0102 | 0277013 | PF, 0.01mfd, ±10% |
| C0103 | 0252615 | EL, 4.7mfd, 25V |
| C0104 | 0248684 | CD, 100pF |
| C0105 | 0248684 | CD, 100pF |
| C0106 | 0252332 | EL, 200mfd, 10V |
| C0107 | 0252615 | EL, 4.7mfd, 25V |
| C0108 | 0248684 | CD, 100pF |
| C0109 | 0248684 | CD, 100pF |
| C0110 | 0252621 | EL, 10mfd, 25V |
| C0111 | 0252621 | EL, 10mfd, 25V |
| C0112 | 0252615 | EL, 4.7mfd, 25V |
| C0201 | 0248668 | CD, 22pF |
| C0202 | 0252532 | EL, 200mfd, 16V |
| C0203 | 0277013 | PF, 0.01mfd, ±10% |
| C0204 | 0248686 | CD, 120pF |
| C0205 | 0248700 | CD, 680pF |
| C0206 | 0277029 | PF, 0.22mfd, ±10% |
| C0207 | 0277029 | PF, 0.22mfd, ±10% |
| C0208 | 0277033 | PF, 0.47mfd, ±10% |
| C0209 | 0244139 | CD, 1000pF, ±10% |
| C0210 | 0244139 | CD, 1000pF, ±10% |
| C0211 | 0244139 | CD, 1000pF, ±10% |
| C0212 | 0277019 | PF, 0.033mfd, ±10% |
| C0213 | 0277021 | PF, 0.047mfd, ±10% |
| C0214 | 0252811 | EL, 1mfd, 50V |
| C0215 | 0277011 | PF, 0.01mfd, ±10% |
| C0216 | 0252615 | EL, 4.7mfd, 25V |
| C0217 | 0252522 | EL, 20mfd, 15V |
| C0218 | 0252522 | EL, 20mfd, 15V |

**RESISTORS**

| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R071 | 0100038 | CF, 75ohm, 1/8W |
| R072 | 0100017 | CF, 10ohm, 1/8W |
| R073 | 0100077 | CF, 3.3Kohm, 1/8W |
| R074 | 0100067 | CF, 1.2Kohm, 1/8W |
| R075 | 0100025 | CF, 22ohm, 1/8W |
| R076 | 0100045 | CF, 150ohm, 1/8W |
| R077 | 0100049 | CF, 220ohm, 1/8W |
| R101 | 0100073 | CF, 2.2Kohm, 1/8W |
| R102 | 0100095 | CF, 18Kohm, 1/8W |
| R103 | 0179539 | CC, 360Kohm |
| R104 | 0100117 | CF, 150Kohm, 1/8W |
| R105 | 0100105 | CF, 47Kohm, 1/8W |
| R106 | 0100103 | CF, 39Kohm, 1/8W |
| R107 | 0100083 | CF, 5.6Kohm, 1/8W |
| R108 | 0100109 | CF, 68Kohm, 1/8W |
| R109 | 0100111 | CF, 82Kohm, 1/8W |
| R110 | 0100065 | CF, 1Kohm, 1/8W |
| R111 | 0100067 | CF, 1.2Kohm, 1/8W |
| R112 | 0100097 | CF, 22Kohm, 1/8W |
| R113 | 0100105 | CF, 47Kohm, 1/8W |
| R114 | 0100065 | CF, 1Kohm, 1/8W |
| R115 | 0100089 | CF, 10Kohm, 1/8W |
| R116 | 0100081 | CF, 4.7Kohm, 1/8W |
| R118 | 0100101 | CF, 33Kohm, 1/8W |
| R119 | 0100079 | CF, 3.9Kohm, 1/8W |
| R121 | 0100049 | CF, 220ohm, 1/8W |
| R122 | 0100049 | CF, 220ohm, 1/8W |
| R123 | 0100053 | CF, 330ohm, 1/8W |
| R124 | 0100081 | CF, 4.7Kohm, 1/8W |
| R125 | 0100105 | CF, 47Kohm, 1/8W |
| R201 | 0100053 | CF, 330ohm, 1/8W |
| R202 | 0100046 | CF, 160ohm, 1/8W |
| R203 | 0100131 | CF, 560Kohm, 1/8W |
| R204 | 0100055 | CF, 390ohm, 1/8W |
| R205 | 0100087 | CF, 8.2Kohm, 1/8W |
| R206 | 0150037 | VR, 5Kohm-B |
| R207 | 0100079 | CF, 3.9Kohm, 1/8W |
| R209 | 0100067 | CF, 1.2Kohm, 1/8W |
| R210 | 0100083 | CF, 5.6Kohm, 1/8W |
| R211 | 0100065 | CF, 1Kohm, 1/8W |
| R212 | 0100113 | CF, 100Kohm, 1/8W |
| R213 | 0100116 | CF, 130Kohm, 1/8W |
| R216 | 0100071 | CF, 1.8Kohm, 1/8W |
| R217 | 0100050 | CF, 240ohm, 1/8W |
| R218 | 0100053 | CF, 330ohm, 1/8W |
| R301 | 0100065 | CF, 1Kohm, 1/8W |
| R302 | 0100078 | CF, 3.6Kohm, 1/8W |
| R303 | 0100047 | CF, 180ohm, 1/8W |
| R304 | 0100048 | CF, 200ohm, 1/8W |
| R305 | 0150034 | VR, 500ohm-B |
| R306 | 0100065 | CF, 1Kohm, 1/8W |
| R308 | 0159704 | VR, 10Kohm-B |
| R309 | 0100077 | CF, 3.3Kohm, 1/8W |
| R310 | 0100093 | CF, 15Kohm, 1/8W |
| R312 | 0159556 | VF, 2Kohm-B |
| R313 | 0100100 | CF, 30Kohm, 1/8W |
| R314 | 0100109 | CF, 68Kohm, 1/8W |
| R316 | 0100089 | CF, 10Kohm, 1/8W |
| R317 | 0100055 | CF, 390ohm, 1/8W |
| R318 | 0100099 | CF, 27Kohm, 1/8W |
| R319 | 0100055 | CF, 390ohm, 1/8W |
| R320 | 0100091 | CF, 12kohm, 1/8W |
| R321 | 0100091 | CF, 12Kohm, 1/8W |
| R322 | 0100061 | CF, 680ohm, 1/8W |
| R323 | 0100065 | CF, 1Kohm, 1/8W |
| R324 | 0100091 | CF, 12Kohm, 1/8W |
| R325 | 0100089 | CF, 10Kohm, 1/8W |
| R326 | 0100093 | CF, 15Kohm, 1/8W |
| R327 | 0100041 | CF, 100ohm, 1/8W |
| R330 | 0100089 | CF, 10Kohm, 1/8W |
| R331 | 0100087 | CF, 8.2Kohm, 1/8W |
| R332 | 0100079 | CF, 3.9Kohm, 1/8W |
| R333 | 0100073 | CF, 2.2Kohm, 1/8W |
| R340 | 0100068 | CF, 1.3Kohm, 1/8W |
| R401 | 0100057 | CF, 470ohm, 1/8W |
| R402 | 0100065 | CF, 1Kohm, 1/8W |
| R403 | 0100041 | CF, 100ohm, 1/8W |
| R404 | 0100073 | CF, 2.2Kohm, 1/8W |
| R405 | 0100063 | CF, 820ohm, 1/8W |
| R406 | 0110113 | OMF, 47ohm, 1W |
| R411 | 0100109 | CF, 68Kohm, 1/8W |
| R412 | 0100061 | CF, 680ohm, 1/8W |
| R413 | 0110169 | OMF, 10Kohm, 1W |
| R414 | 0113818 | CF, 220ohm, 1/2W |
| R415 | 0113818 | CF, 220ohm, 1/2W |
| R416 | 0100122 | CF, 240Kohm, 1/8W |
| R451 | 0113725 | CF, 100ohm, 1/2W |
| R501 | 0100064 | CF, 910ohm, 1/8W |
| R502 | 0100113 | CF, 100Kohm, 1/8W |
| R503 | 0100079 | CF, 3.9Kohm, 1/8W |
| R506 | 0100080 | CF, 4.3Kohm, 1/8W |
| R507 | 0159704 | VR, 10Kohm-B |
| R510 | 0100067 | CF, 1.2Kohm, 1/8W |
| R511 | 0100057 | CF, 470ohm, 1/8W |
| R512 | 0150040 | VR, 50Kohm-B |
| R513 | 0100120 | CF, 200Kohm, 1/8W |
| R514 | 0100062 | CF, 750ohm, 1/8W |
| R515 | 0100069 | CF, 1.5Kohm, 1/8W |
| R516 | 0100073 | CF, 2.2Kohm, 1/8W |
| R517 | 0100084 | CF, 6.2Kohm, 1/8W |
| R519 | 0100083 | CF, 5.6Kohm, 1/8W |
| R520 | 0159704 | VR, 10Kohm-B |
| R522 | 0100065 | CF, 1Kohm, 1/8W |
| R523 | 0100083 | CF, 5.6Kohm, 1/8W |
| R524 | 0100079 | CF, 3.9Kohm, 1/8W |
| R525 | 0100079 | CF, 3.9Kohm, 1/8W |
| R526 | 0100079 | CF, 3.9Kohm, 1/8W |
| R527 | 0100053 | CF, 330ohm, 1/8W |
| R528 | 0100053 | CF, 330ohm, 1/8W |
| R529 | 0100053 | CF, 330ohm, 1/8W |
| R531 | 0100079 | CF, 3.9Kohm, 1/8W |
| R532 | 0100089 | CF, 10Kohm, 1/8W |
| R534 | 0100133 | CF, 680Kohm, 1/8W |
| R535 | 0100089 | CF, 10Kohm, 1/8W |
| R601 | 0100087 | CF, 8.2Kohm, 1/8W |
| R602 | 0100047 | CF, 180ohm, 1/8W |
| R603 | 0100088 | CF, 9.1Kohm, 1/8W |
| R604 | 0100073 | CF, 2.2Kohm, 1/8W |





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| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| R605 | 0100097 | CF, 22Kohm, 1/8W |
| R606 | 0100089 | CF, 10Kohm, 1/8W |
| R607 | 0100080 | CF, 4.3Kohm, 1/8W |
| R608 | 0151327 | VR, 5Kohm-B |
| R609 | 0151279 | VR, 200ohm-B |
| R610 | 0100047 | CF, 180ohm, 1/8W |
| R611 | 0114014 | CF, 7.5ohm |
| R612 | 0100088 | CF, 9.1Kohm, 1/8W |
| R613 | 0114146 | CF, 430ohm |
| R614 | 0113762 | CF, 3.3Kohm, 1/2W |
| R615 | 0113762 | CF, 3.3Kohm, 1/2W |
| R616 | 0100055 | CF, 390ohm, 1/8W |
| R617 | 0100051 | CF, 270ohm, 1/8W |
| R618 | 0114041 | CF, 10ohm |
| R619 | 0100065 | CF, 1Kohm, 1/8W |
| R620 | 0114173 | CF, 3.3Kohm |
| R621 | 0100053 | CF, 330ohm, 1/8W |
| R622 | 0100041 | CF, 100ohm, 1/8W |
| R623 | 0100113 | CF, 100Kohm, 1/8W |
| R701 | 0110367 | OMF, 8.3Kohm, 3W |
| R702 | 0113785 | CF, 27Kohm, 1/2W |
| R703 | 0100073 | CF, 2.2Kohm, 1/8W |
| R704 | 0100033 | CF, 47ohm, 1/8W |
| R705 | 0100085 | CF, 6.8Kohm, 1/8W |
| R706 | 0100109 | CF, 68Kohm, 1/8W |
| △R707 | 0150037 | VR, 5Kohm-B |
| △R708 | 0100083 | CF, 5.6Kohm, 1/8W |
| △R709 | 0100083 | CF, 5.6Kohm, 1/8W |
| △R711 | 0113789 | CF, 39Kohm, 1/2W |
| △R712 | 0100085 | CF, 9.1Kohm, 1/8W |
| △R713 | 0100088 | CF, 9.1Kohm, 1/8W |
| R714 | 0100075 | CF, 2.7Kohm, 1/8W |
| R715 | 0110365 | OMF, 6.8Kohm, 3W |
| R723 | 0113737 | CF, 330ohm, 1/2W |
| R724 | 0114284 | CF, 130Kohm |
| R725 | 0113774 | CF, 10Kohm, 1/2W |
| R726 | 0113772 | CF, 8.2Kohm, 1/2W |
| R727 | 0110109 | OMF, 33ohm, 1W |
| R728 | 0114147 | CF, 470ohm |
| △R731 | 0119505 | FR, 2.2ohm |
| △R732 | 0119505 | FR, 2.2ohm |
| △R733 | 0119505 | FR, 2.2ohm |
| △R734 | 0119512 | FR, 1ohm |
| R735 | 0110271 | OMF, 12Kohm, 2W |
| R736 | 0113791 | CF, 47Kohm, 1/2W |
| R737 | 0100071 | CF, 1.8Kohm, 1/8W |
| R857 | 0100047 | CF, 180ohm, 1/8W |
| R858 | 0100043 | CF, 120ohm, 1/8W |
| R859 | 0100049 | CF, 220ohm, 1/8W |
| R860 | 0150001 | VR, 200ohm-B |
| R861 | 0150001 | VR, 200ohm-B |
| R863 | 0151716 | VR, 5Kohm-B |
| R864 | 0151716 | VR, 5Kohm-B |
| R865 | 0151716 | VR, 5Kohm-B |
| R866 | 0110271 | OMF, 12Kohm, 2W |
| R867 | 0110271 | OMF, 12Kohm, 2W |
| R868 | 0110271 | OMF, 12Kohm, 2W |
| R869 | 0113768 | CF, 2.7Kohm, 1/2W |
| R870 | 0113754 | CF, 1.5Kohm, 1/2W |
| R871 | 0113760 | CF, 2.7Kohm, 1/2W |
| △R901 | 0141072 | WW, 2.7ohm, 4W |
| R902 | 0110275 | OMF, 18Kohm, 2W |
| R903 | 0100065 | CF, 1Kohm, 1/8W |
| R904 | 0100075 | CF, 2.7Kohm, 1/8W |
| R905 | 0100061 | CF, 680ohm, 1/8W |
| △R906 | 0110345 | OMF, 1Kohm, 3W |
| △R906 | 0110371 | OMF, 12Kohm, 3W |
| △R907 | 0110354 | OMF, 2.4Kohm, 3W |
| R908 | 0100083 | CF, 5.6Kohm, 1/8W |
| △R909 | 0119514 | FR, 10ohm |
| △R910 | 0119514 | FR, 10ohm |
| △R911 | 0119514 | FR, 10ohm |
| R912 | 0113778 | CF, 15Kohm, 1/2W |
| R913 | 0114293 | CF, 330Kohm |
| △R914 | 0119508 | RF, 560ohm |
| R915 | 0141092 | WW, 180ohm, 15W |
| △R916 | 0119514 | FR, 10ohm |
| △R917 | 0119512 | FR, 1ohm |
| R0001 | 0100071 | CF, 1.8Kohm, 1/8W |
| R0002 | 0100027 | CF, 27ohm, 1/8W |
| R0003 | 0100097 | CF, 22Kohm, 1/8W |
| R0004 | 0100001 | CF, 2.2ohm, 1/8W |
| R0005 | 0100001 | CF, 2.2ohm, 1/8W |
| R0101 | 0100105 | CF, 47Kohm, 1/8W |
| R0102 | 0100105 | CF, 47Kohm, 1/8W |
| R0103 | 0150041 | VR, 100Kohm-B |
| R0104 | 0100057 | CF, 470ohm, 1/8W |
| R0105 | 0100089 | CF, 10Kohm, 1/8W |
| R0106 | 0100089 | CF, 10Kohm, 1/8W |
| R0107 | 0100093 | CF, 15Kohm, 1/8W |
| R0108 | 0100089 | CF, 10Kohm, 1/8W |
| R0109 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0110 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0111 | 0151255 | VR, 20Kohm-B |
| R0112 | 0100113 | CF, 100Kohm, 1/8W |
| R0113 | 0100089 | CF, 10Kohm, 1/8W |
| R0114 | 0100105 | CF, 47Kohm, 1/8W |
| R0115 | 0100111 | CF, 82Kohm, 1/8W |
| R0116 | 0100061 | CF, 680ohm, 1/8W |
| R0117 | 0100053 | CF, 330ohm, 1/8W |
| R0118 | 0100097 | CF, 22Kohm, 1/8W |
| R0119 | 0100051 | CF, 270ohm, 1/8W |
| R0120 | 0100075 | CF, 2.7Kohm, 1/8W |
| R0201 | 0114153 | CF, 820ohm |
| R0202 | 0114153 | CF, 820ohm |
| R0203 | 0114153 | CF, 820ohm |
| R0204 | 0114153 | CF, 820ohm |
| R0205 | 0114153 | CF, 820ohm |
| R0206 | 0114153 | CF, 820ohm |
| R0207 | 0114153 | CF, 820ohm |
| R0208 | 0114153 | CF, 820ohm |
| R0209 | 0114153 | CF, 820ohm |
| R0210 | 0114153 | CF, 820ohm |
| R0211 | 0114153 | CF, 820ohm |
| R0212 | 0114153 | CF, 820ohm |
| R0213 | 0100107 | CF, 56Kohm, 1/8W |
| R0214 | 0100107 | CF, 56Kohm, 1/8W |
| R0215 | 0100107 | CF, 56Kohm, 1/8W |
| R0216 | 0100065 | CF, 1Kohm, 1/8W |
| R0217 | 0100043 | CF, 120ohm, 1/8W |
| R0218 | 0100075 | CF, 2.7Kohm, 1/8W |
| R0219 | 0100073 | CF, 2.2Kohm, 1/8W |
| R0220 | 0151267 | VR, 10Kohm |
| R0221 | 0100105 | CF, 47Kohm, 1/8W |
| R0222 | 0100101 | CF, 33Kohm, 1/8W |
| R0223 | 0100061 | CF, 680ohm, 1/8W |
| R0224 | 0100087 | CF, 8.2Kohm, 1/8W |
| R0225 | 0100087 | CF, 8.2Kohm, 1/8W |
| R0226 | 0100087 | CF, 8.2Kohm, 1/8W |
| R0227 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0228 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0229 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0230 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0231 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0232 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0233 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0234 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0235 | 0100089 | CF, 10Kohm, 1/8W |
| R0236 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0237 | 0100083 | CF, 5.6Kohm, 1/8W |
| R0238 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0239 | 0100093 | CF, 15Kohm, 1/8W |
| R0240 | 0100093 | CF, 15Kohm, 1/8W |
| R0241 | 0100105 | CF, 47Kohm, 1/8W |
| R0242 | 0100075 | CF, 2.7Kohm, 1/8W |
| R0244 | 0100089 | CF, 10Kohm, 1/8W |
| R0245 | 0100073 | CF, 2.2Kohm, 1/8W |
| R0246 | 0100107 | CF, 56Kohm, 1/8W |
| R0247 | 0100069 | CF, 1.5Kohm, 1/8W |
| R0248 | 0100081 | CF, 4.7Kohm, 1/8W |
| R0249 | 0151255 | VR, 20Kohm-B |
| R0250 | 0100113 | CF, 100Kohm, 1/8W |
| R0251 | 0100061 | CF, 680ohm, 1/8W |
| R0252 | 0100053 | CF, 330ohm, 1/8W |
| R0253 | 0100097 | CF, 22Kohm, 1/8W |
| R0254 | 0100097 | CF, 22Kohm, 1/8W |
| R0255 | 0100051 | CF, 270ohm, 1/8W |
| R0256 | 0100065 | CF, 1Kohm, 1/8W |
| R0257 | 0100035 | CF, 56ohm, 1/8W |

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## SEMICONDUCTOR

| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| D101 | 2330351 | 1S2076 |
| D102 | 2330351 | 1S2076 |
| D103 | 2330351 | 1S2076 |
| D104 | 2330351 | 1S2076 |
| D105 | 2330351 | 1S2076 |
| D106 | 2330351 | 1S2076 |
| D301 | 2330351 | 1S2076 |
| D302 | 2330351 | 1S2076 |
| D303 | 2330351 | 1S2076 |
| D401 | 2330351 | 1S2076 |
| D601 | 2330351 | 1S2076 |
| D602 | 2330351 | 1S2076 |
| D701 | 2330352 | 1S2076A |
| D702 | 2332141 | RH-1Z |
| D703 | 2330564 | V11N |
| D704 | 2332851 | EH-1Z |
| ⚠D705 | 2332251 | RH-1S |
| ⚠D706 | 2332851 | EH-1Z |
| ⚠D901 | 2333231 | RM10B |
| ⚠D902 | 2330251 | V06C |
| ⚠D903 | 2330253 | V06G |
| D0001 | 2332891 | SE303A |
| D0002 | 2332891 | SE303A |
| D0101 | 2332431 | PH-302 |
| D0103 | 2330351 | 1S2076 |
| D0201 | 2332031 | SLR-53URT |
| D0202 | 2332031 | SLR-53URT |
| D0203 | 2332031 | SLR-53URT |
| D0204 | 2332031 | SLR-53URT |
| D0205 | 2332031 | SLR-53URT |
| D0206 | 2332031 | SLR-53URT |
| D0207 | 2332031 | SLR-53URT |
| D0208 | 2332031 | SLR-53URT |
| D0209 | 2332031 | SLR-53URT |
| D0210 | 2332031 | SLR-53URT |
| D0211 | 2332031 | SLR-53URT |
| D0212 | 2332031 | SLR-53URT |
| D0213 | 2330351 | 1S2076 |
| D0214 | 2332032 | SLR-53GG |
| D0215 | 2332031 | SLR-53URT |
| D0216 | 2330351 | 1S2076 |
| D0217 | 2330351 | 1S2076 |
| D0218 | 2330351 | 1S2076 |
| D0219 | 2330351 | 1S2076 |
| D0220 | 2330351 | 1S2076 |
| D0221 | 2330351 | 1S2076 |
| D0222 | 2330351 | 1S2076 |
| D0223 | 2330351 | 1S2076 |
| D0224 | 2330351 | 1S2076 |
| Q071 | 2320143 | 2SC717TM |
| Q101 | 2322191 | 2SC1740 (R) |
| Q102 | 0573480 | 2SC458 (B) |
| Q103 | 0573480 | 2SC458 (B) |
| Q104 | 0573480 | 2SC458 (B) |
| Q201 | 0573480 | 2SC458 (B) |
| Q305 | 0573480 | 2SC458 (B) |
| Q306 | 2320637 | 2SA673 (C)/(D) |
| Q307 | 0573480 | 2SC458 (B) |
| Q308 | 0573480 | 2SC458 (B) |
| Q401 | 2322562 | 2SC2688 (K)/(L) |
| Q402 | 2322562 | 2SC2688 (K)/(L) |
| Q601 | 2321306 | 2SD401/401A |
| Q602 | 2321306 | 2SD401/401A |
| Q701 | 2321992 | 2SC2271 (M)/(N) |
| ⚠Q702 | 2323021 | 2SD898 (B) |
| Q704 | 2323432 | 2SC1983(R)/(O)/(Q) |
| Q851 | 2322561 | 2SC2688 (K)/(L)/(M)/(N) |
| Q852 | 2322561 | 2SC2688 (K)/(L)/(M)/(N) |
| Q853 | 2322561 | 2SC2688 (K)/(L)/(M)/(N) |
| ⚠Q901 | 2322163 | TF320M-AZ |
| ⚠Q902 | 2321992 | 2SC2271 (M)/(N) |
| Q0001 | 2320644 | 2SC1213 (D) |
| Q0002 | 2321984 | 2SC2060 (R) |
| Q0101 | 0573480 | 2SC458 (B) |
| Q0102 | 0573480 | 2SC458 (B) |
| Q0103 | 2320644 | 2SC1213 (D) |
| Q0104 | 0573480 | 2SC458 (B) |
| Q0105 | 0573480 | 2SC458 (B) |
| Q0201 | 2320663 | 2SC1213AC |
| Q0202 | 2320637 | 2SA673 (C)/(D) |
| Q0203 | 2320637 | 2SA673 (C)/(D) |
| Q0204 | 2320637 | 2SA673 (C)/(D) |
| Q0205 | 0573480 | 2SC458 (B) |
| Q0206 | 0573480 | 2SC458 (B) |
| Q0207 | 0573480 | 2SC458 (B) |
| Q0208 | 0573480 | 2SC458 (B) |
| Q0209 | 0573480 | 2SC458 (B) |
| Q0210 | 0573480 | 2SC458 (B) |
| Q0211 | 0573480 | 2SC458 (B) |
| ZD101 | 2330631 | HZ-7 (A) |
| ZD701 | 2331161 | HZ-11 (A)/(B)/(C) |
| ZD702 | 2334282 | RD24EB1 |
| ZD703 | 2331843 | HZ-12 (A3) |
| ⚠ZD704 | 2332841 | HZ-11C2L |
| ZD705 | 2331161 | HZ-11 (A)/(B)/(C) |
| ZD706 | 2331154 | HZ-12 (A)/(B)/(C) |
| ⚠ZD901 | 2331842 | HZ-12 (A2) |
| ZD0101 | 2331815 | HZ-7 (B) |
| ZD0201 | 2331084 | UPC-574J (AG) |
| IC201 | 2366151 | M51355P |
| IC501 | 2365061 | HA11436 |
| ⚠IC701 | 2364181 | HA11423 |
| ⚠IC901 | 2366201 | STR3035 |
| IC0001 | 2364871 | M5848P |
| IC0101 | 2365531 | HD44042 |
| IC0102 | 2366171 | M58487AP |
| IC0201 | 2364271 | HD38986 |
| IC0202 | 2360672 | M5R-1400P |

## COIL/TRANSFORMER

| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| L071 | 2141776 | Filter coil |
| L072 | 2122253 | Filter coil |
| L201 | 2162981 | Fixed coil |
| L202 | 2142661 | Mold I.F.T. |
| L203 | 2122298 | LA axial coil |
| L204 | 2142015 | Mold IF coil |
| L205 | 2142015 | Mold IF coil |
| L206 | 2121703 | Peaking coil |
| L208 | 2121693 | Peaking coil |
| L209 | 2122253 | Filter coil |
| L210 | 2120482 | Filter coil |
| L304 | 2121699 | Peaking coil |
| L305 | 2121704 | Peaking coil |
| L401 | 2122251 | Filter coil |
| L402 | 2122253 | Filter coil |
| L501 | 2122238 | LA axial coil |
| L502 | 2122238 | LA axial coil |
| L503 | 2122238 | LA axial coil |
| L701 | 2122091 | Filter coil |
| ⚠L901 | 2122711 | Line filter |
| ⚠L902 | 2162412 | Degaussing coil |
| ⚠L903 | 2120483 | Filter coil |
| ⚠L904 | 2120483 | Filter coil |
| ⚠L905 | 2120483 | Filter coil |
| L0101 | 2121706 | Peaking coil |
| L0201 | 2121706 | Peaking coil |
| ⚠T401 | 2250451 | Sound output trans |
| T501 | 2141619 | Bandpass trans |
| ⚠T701 | 2260021 | H. drive trans. |
| ⚠T702 | 2433171 | F.B.T. |





**PRODUCT SAFETY NOTE:** Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

## MISCELLANEOUS

| SYMBOL NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| CP201 | 2300073 | SAW filter HW2063 |
| CP401 | 2142671 | M10-H mold IFT |
| MF201 | 2142241 | Ceramic filter |
| MF401 | 2142601 | Ceramic filter |
| M0001 | 2790751 | Ceramic filter CSB-500E |
| M0101 | 2790321 | Ceramic filter CSB-455A/C |
| M0102 | 2790751 | Ceramic filter CSB-500E |
| ⚠ TH901 | 2340263 | Thermistor |
| ⚠ F901 | 2720587 | Fuse 4A |
| DL301 | 2162991 | Delay line |
| J451 | 2670751 | Earphone jack |
| SP451 | 2410682 | Speaker 77MM |
| S0201 | 2620611 | Slide switch |
| S0202 | 2630631 | Switch-key |
| S0203 | 2630631 | Switch-key |
| S0204 | 2630631 | Switch-key |
| S0205 | 2630631 | Switch-key |
| S0206 | 2630631 | Switch-key |
| S0207 | 2631721 | Key switch |
| S0208 | 2631721 | Key switch |
| S501 | 2630582 | Push switch |
| ⚠ S901 | 2610661 | Rotary power switch |
| ⚠ V1 | 2352371 | CRT 370 HRB22 |
| X501 | 2790442 | Crystal |
| | 2423456 | Tuner ET-341 |
| ⚠ | 2441311 | Deflection yoke |
| | 2582011 | R/C transmitter CLU-610 |
| | 2658893 | CPT socket |
| | 2687562 | ULCSA Antenna Box |
| | 2687951 | VHF adaptor |
| | 2730063 | Earphone |
| | 2742553 | AC cord |
| | 2750011 | Telescopic antenna |
| | 2760524 | Loop antenna |
| | 2771891 | Ferrite beads core 003 |
| | 2781282 | Bead band |
| | 2782611 | Center pin |
| | 3227981 | Frame Ass'y (CT1324) |
| | 3227983 | Frame Ass'y (CT1326) |
| | 3227985 | Frame Ass'y (CT13X6) |
| | 3262441 | Knob APS |
| | 3263391 | Knob VR |
| | 3264861 | Knob main ass'y |
| | 3328794 | Antenna terminal board ass'y |
| | 3330941 | Earth spring |
| | 3455312 | Back cover |
| | 3719342 | Canoe rivet |
| | 3736072 | Hinge |
| | 3738902 | Transistor bush |
| | 3746191 | M driver |
| | 3771431 | Knob channel (A) (down) |
| | 3771441 | Knob channel (B) (up) |
| | 3771451 | Knob vol. (A) (down) |
| | 3771461 | Knob vol. (B) (up) |
| | 3771501 | Knob preset |
| | 3771521 | Knob Power (CT1324) |
| | 3772211 | Door Ass'y (CT1324) |
| | 3772213 | Door ass'y (CT1326/13X6) |
| | 3772461 | Remote control case (A) (top) |
| | 3772471 | Remote control case (B) (bottom) |
| | 3772481 | Battery cover for R/C transmitter |
| | 3772621 | Remote control filter |
| | 3772731 | Case for R/C transmitter |
| | 4257181 | Battery terminal (A) (for ⊕ and ⊖) |
| | 4257182 | Battery terminal (B) (for ⊖) |
| | 4257183 | Battery terminal (C) (for ⊕) |
| V | 4259301 | Channel number sheet |
| | 4614791 | Wedge |
| | 4616171 | Knob push for R/C transmitter |
| | 2P3031D | POWER SWITCH P.W. BOARD |
| | 2P3031C | TUNER P.W. BOARD |

## HITACHI PARTS ORDERING INFORIMATION

To receive original replacement parts, please contact your nearest HITACHI Parts Distributor or contact Hitachi Central Parts Warehouse listed below. Be sure to indicate part catalog number, part description and model number (located on back of product).

**THE ELECTRONIC DISTRIBUTION CO.**
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## HITACHI SERVICE MANUALS

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For imformation concerning repairs, operation or technical assistance, please contact the Service Manager of the nearest Hitachi Regional Office, Service Division listed:

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Phone #404-763-0360

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Phone #312-593-1550

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