# TCL
# SERVICE MANUAL



**T-68T17**


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**This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product.**

**CAUTION:**
Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



**CAUTION**
RISK OF ELECTRIC SHOCK DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lighting flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

# IMPORTANT SAFETY INSTRUCTIONS

**CAUTION:**

**Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.**

1. Read Instructions- All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

# FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



## PROTECTION AND LOCATION OF YOUR SET

11. • Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
    • Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.

12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.

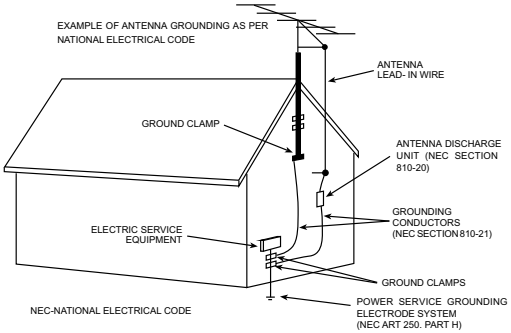
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.

14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
    • Never cover the slots or openings with cloth or other material.
    • Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
    • Never place the set near or over a radiator or heat register.
    • Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

## PROTECTION AND LOCATION OF YOUR SET

15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS




15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

## OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label.If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set "off " and unplug the television set from the wall outlet.

## IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

## FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

| PFS2 FORMAT-1 Report | |
|---|---|
| **Date:2004-9-23 16:08**<br>**ProductView.....:**<br>**Report by.....:** | Product:<br>T-68T17 |
| **Specs / Products** | |
| **MasterData** | |
| **Customer Id** | TCL ELECTRONICS AUSTRALIA PTY LTD. |
| **Version** | 0.1 |
| **Status** | MURADI |
| **Brand** | TCL |
| **EAN** | \ |
| **UPC** | \ |
| **Reception** | |
| **+Tuning - presets/channels** | 100 |
| **+Tuning - technology** | PLL |
| **+Tuning - Indication** | |
| **+Freq Bands** | HYPER BAND |
| **+Channels** | CATV 470MHz |
| **+IF Freq** | PICTURE 38.9MHz |
| **+TV Systems Off Air** | PAL B/G |
| **+Add Systems Ext In** | NTSC 3.58, NTSC 4.43, NTSC Play Back, PAL 60 |
| **+TV Systems Multi** | PAL |
| **+Sound Systems** | AV Stereo |
| **Picture - Processing** | |
| **+Scan** | Standard |
| **+Scan Modes** | 4;3 |
| **+Wide Screen Switching** | |
| **+Combfilter** | |
| **+Picture Control** | Brightness, Colour, Contrast, Color Temperature, Hue, Sharpness Cont Var, Smart Pict. 4 Modes |
| **+Pict Enhancement** | Black Stretch |
| **+Pict Noise Reduction** | NR |
| **Picture - Display** | |
| **+Display Type** | DV - CRT - RF |
| **+Screen Format** | 4:3 |
| **+Size(Visual)" - size/vis. cm** | 29" |
| **+Deflection System (CRT only)** | |
| **+Tube Technology (CRT only)** | Black Matrix, Iron |
| **+CRT Defl** | |
| **+CRT Gun** | Stand Gun |
| **+CRT Magn field** | |
| **+Resolution** | |
| **+Coating (only for D.V. sets)** | |
| **+White Point** | |
| **Sound** | |
| **+RMS Power Intern** | |
| **+RMS Power Extern** | |
| **+Surround Sound** | |
| **+Sound Features** | Mute |
| **+Sound Control** | Volume |
| **Sound - Speakers** | |
| **+Speaker configuration** | 2 Speakers |
| **+Speakers used** | Normal |
| **+Speaker Size** | |
| **User Interface** | |
| **+Interface Name** | L01- Full Interface |
| **+Voice Control** | |
| **+Menu** | Cursor Control |
| **+Menu Colours** | |
| **+Menu Languages** | English |
| **+Special Features** | Program preengage/soft start / Build-in Game / Hotel Lock / Channel Edit / Calendar/ Notebook/Favorite channel / |
| **+Operational Features** | Alternate Channel |
| **+PP Features** | |
| **+Tuning/Install Features** | Auto Store, Factory Mode, Fine Tuning, Manual Search/Store, Manual Sort, Service Mode |
| **+Clock/Timer Functions** | Clock, On/off timer, Sleep timer |
| **+Local Controls Front** | Channel +-, Volume +-, TV/AV,MENU, Power Switch, |

| Date:2004-9-23 16:08<br>ProductView.....:<br>Report by.....: | Product:<br>T-68T17 |
|---|---|
| **Specs / Products** | |
| **+Local Controls Top** | |
| **+Indicators - screen** | |
| **+Indicators - front** | RC Recvd LED, SB LED |
| **+Numb of Loc Cont (incl Mains)** | 7 |
| **+Number of Ind. (incl Mains)** | 1 |
| **+Local Controls (Old)** | |
| **Remote Control** | |
| **Connectors Rear** | |
| **+Scart RGB+Y/C+CVBS** | |
| **+Scart RGB+CVBS** | |
| **+Scart CVBS+Y/C** | |
| **+Component In (Y/U/V) Cinch** | X |
| **+In Y/C+Cinch(CVBS+St)** | X |
| **+In Y/C+Cinch(CVBS+Mo)** | |
| **+In Y/C+Cinch(St)** | |
| **+In BNC (CVBS)** | |
| **+In Cinch(CVBS+St)** | |
| **+In Cinch(CVBS+Mo)** | |
| **+Out Cinch(CVBS+St)** | X |
| **+Out Cinch(CVBS+Mo)** | |
| **+Out Cinch Audio Stereo** | |
| **+Out Cinch Audio Mono** | |
| **+Out Cinch Dolby Surround** | |
| **+Out Cinch Subwoofer** | |
| **+Dig Audio Out** | |
| **+Loudspeakers** | |
| **+Control Busses** | |
| **+Feature Slot** | |
| **+ITV Smart Port** | |
| **+Terr. Antenna in** | 75 Ohms (IEC type) |
| **Guide + IR Blaster Jack** | |
| **Connectors Front** | |
| **+In Y/C + Cinch(CVBS+St)** | |
| **+In Y/C + Cinch Stereo** | |
| **+In Cinch (CVBS + St)** | |
| **+In Cinch (CVBS+Mo +St)** | |
| **+Headphone Out** | |
| **+Feature Slot** | |
| **Connectors Side** | |
| **+In Y/C + Cinch(CVBS+St)** | |
| **+In Y/C + Cinch Stereo** | |
| **+In Cinch (CVBS + St+ Mo)** | x |
| **+IN Cinch (CVBS + Mo)** | |
| **+Headphone Out** | |
| **Connectors Top** | |
| **+In Cinch (CVBS + St)** | |
| **+Headphone Out** | |
| **Connectors Mechanical** | |
| **+Headphone** | |
| **+Cinch A/V in/out** | |
| **+Cinch Component** | |
| **+Cinch Y/C** | |
| **Styling** | |
| **+Cabinet Name** | 29T17 |
| **+Configuration** | |
| **+Graphics/Logo's** | |
| **-Cabinet Colour and Finish** | |
| Silver Frost | |
| **+Mechanics** | |
| **+Speaker Visibility** | Standard |
| **General** | |
| **+Segment** | Standard 4:3 |
| **+Chassis** | M113 |
| **+Software Delivery Mode** | |
| **+Software Version** | |
| **+Mains Voltage** | 240V |
| **+Mains Frequency** | 50Hz |
| **+Type Mains Cord** | SAA |
| **Power Consumption (P)TV in On** | |
| **Power Consumption SB in Watts** | Less than 3W |
| **Power Consumption Semi SB in W** | |
| **+Power in "ON" for** | |

| Date:2004-9-23 16:08<br>ProductView.....:<br>Report by.....: | Product:<br>T-68T17 |
|---|---|
| **Specs / Products** | |
| +Power in Standby for | |
| +Power in "OFF" for | |
| Weight (P)TV (incl. Packaging) | |
| Weight (P)TV (excl. Package) | |
| Weight AVUnit excl Packaging | |
| +INDICATION on BACKCOVER | |
| +Channel | |
| Final Equipment | |
| +Packaging - methods | |
| +Documents and manuals | |
| +Languages DFU | |
| +Cables Supplied | |
| +Antenna Supplied | |
| +Stand Supplied | |
| +Aux Equipm Supplied | |
| Packaging - width cm | |
| Packaging - height cm | |
| Packaging - depth cm | |
| Miscellaneous | |
| +EAN Indication | |
| +Approbation | EMC , CB |
| +Tests | |
| +Local Integration | |
| Various Perf. Param. | |
| +Service Call-Rate | |
| PIP/POP | |
| +Type | |
| +Features | No |
| Digital Reception | |
| +Transmission | |
| Built-in Data System | |
| +Text Standard | |
| +(Tele)text Features | No |
| +Nbr bckgrnd page / Mem Size | No |
| +Text Technology | No |
| +Digital Data handling | |
| +Program Guide | |
| Built-in Clock/Timer | |
| +Type | |
| +Features | |
| Built-in Radio | |
| +Type | |
| Built-in PC display | |
| +PC Synch | |
| +PC Control | |
| Built-in DVD drive | |
| +Type of Medium | |
| +Type of Deck | |
| +Version of Deck | |
| Phased Out Items | |
| +Tuner/Frontend | |
| +Sensitivity | |
| +CRT EHT | |
| +Lightning Protection | |
| +Account | |
| +XX(Radio Antenna in) | |
| +Non Volatile Memory | |
| +In Y/C + Cinch(CVBS+Mo) | |
| Version of deck | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 08-00029E-CR7 | ASS'Y - CRT BD | 1 | | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D501 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | | L501 FOR "+" TO P1/P503 |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D502 | |
| 11-A562TM-0BX | TRANSISTOR 2SA562TM-0 | 1 | Q507 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q502 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q504 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q506 | |
| 11-SC4544-0AX | TRANSISTOR 2SC4544 | 1 | Q501 | |
| 11-SC4544-0AX | TRANSISTOR 2SC4544 | 1 | Q503 | |
| 11-SC4544-0AX | TRANSISTOR 2SC4544 | 1 | Q505 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R515 | |
| 18-CB0272-JNX | RES. C.F. 2.7k OHM 1/6W +/-5% | 1 | R514 | |
| 18-CB0561-JNX | RES. C.F. 560 OHM 1/6W +/-5% | 1 | R501 | |
| 18-CB0561-JNX | RES. C.F. 560 OHM 1/6W +/-5% | 1 | R505 | |
| 18-CB0561-JNX | RES. C.F. 560 OHM 1/6W +/-5% | 1 | R510 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R502 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R506 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R509 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R522 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R503 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R508 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R513 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R511 | |
| 18-FE0272-JNX | RES. M.O. 2.7K OHM 1/2W +/-5% | 1 | R519 | |
| 18-FE0272-JNX | RES. M.O. 2.7K OHM 1/2W +/-5% | 1 | R520 | |
| 18-FE0272-JNX | RES. M.O. 2.7K OHM 1/2W +/-5% | 1 | R521 | |
| 18-FG0183-JHX | RES. M.O. 18K OHM 2W +/-5% | 1 | R516 | |
| 18-FG0183-JHX | RES. M.O. 18K OHM 2W +/-5% | 1 | R517 | |
| 18-FG0183-JHX | RES. M.O. 18K OHM 2W +/-5% | 1 | R518 | |
| 25-BCB471-M1X | CAP. ELEC 470 UF 16V +/-20% | 1 | C506 | |
| 25-BLA100-M1X | CAP. ELEC 10 UF 250V +/-20% | 1 | C504 | |
| 26-AMK102-KRX | CAP. CER 1000 pF 2KV +/-10% R | 1 | C505 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C508 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C509 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 26-EBP391-JCX | CAP. CER. 390PF 50V +/-5% CH | 1 | C502 | |
| 26-EBP391-JCX | CAP. CER. 390PF 50V +/-5% CH | 1 | C501 | |
| 26-EBP471-JCX | CAP. CER 470PF 50V +/-5% CH | 1 | C503 | |
| 34-R100K2-1BX | COIL CHOKE 10 UH +/-10% | 1 | L502 | |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 2 | | FOR C508 (L505 & L506) |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | L504 | |
| 34-R100K2-1BX | COIL CHOKE 10 UH +/-10% | 1 | L503 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | R504 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | R507 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | R512 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J503 | |
| 46-10967W-01X | PIN BASE *1 TJC1-1A | 1 | | P501 FOR CRT GROUNDING HOUS. |
| 46-30615H-04X | HS 4P24 460 F/W TJC3-4Y/SCN-4 | 1 | | P502 FOR M.BD P421 |
| 46-37030H-05X | HS 5P 2468#24 450 TJC3-5Y/SCN | 1 | | P503 FOR M.BD P201 |
| 47-CRT004-XX0 | CRT SOCKET GZS10-2-AC2 | 1 | S501 | |
| 40-02501C-CRH1X | P.C.B CRT BD | 1 | | |
| 08-00029E-PWY | ASS'Y - POWER PARTS | 1 | | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D802 | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D833 | |
| 10-0RU3AM-F0X | DIODE RU3AM (FAST RECOVERY) | 1 | D831 | |
| 10-0RU3YX-F0X | DIODE RU3YX (FAST RECTIFIER) | 1 | D830 | |
| 10-1N4001-EBX | DIODE 1N4001 (RECTIFIER) | 1 | D836 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D804 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D805 | |
| 10-79C12V-DBX | DIODE ZENER 12V 1/2W 5% | 1 | D838 | |
| 10-79C8V2-DBX | DIODE ZENER 8V2 1/2W 5% | 1 | D841 | |
| 10-HER108-FBX | DIODE HER108 | 1 | D806 | |
| 10-HS5V6B-DBX | DIODE 500mW 5.6HSB | 1 | D840 | |
| 11-C124ES-0BX | TRANSISTOR PDTC124ES (NPN) | 1 | Q834 | |
| 11-C124ES-0BX | TRANSISTOR PDTC124ES (NPN) | 1 | Q833 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q831 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q832 | |
| 11-SC2688-LAX | TRANSISTOR 2SC2688L (NPN) | 1 | Q830 | |
| 11-SK2996-0AX | TRANSISTOR 2SK2996 (MOS) | 1 | Q801 | |
| 13-00KA78-09S | IC KA7809 9V 1A (REGULATOR) | 1 | IC803 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 13-00TLP6-21P | PHOTO COUPLER TLP621(GRH) | 1 | IC802 | |
| 13-44608P-40P | IC MC44608P40 | 1 | IC801 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R809 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R844 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R835A | |
| 18-CB0332-JNX | RES. C.F. 3.3k OHM 1/6W +/-5% | 1 | R834 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R838 | |
| 18-CB0392-JNX | RES. C.F. 3.9K OHM 1/6W +/-5% | 1 | R807 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | R807A | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R806 | |
| 18-CD0103-JNX | RES. C.F. 10K OHM 1/4W +/-5% | 1 | R820 | |
| 18-CD0220-JNX | RES. C.F. 22 OHM 1/4W +/-5% | 1 | R811A | |
| 18-CD0221-JNX | RES. C.F. 220 OHM 1/4W +/-5% | 1 | R833 | |
| 18-CD0471-JNX | RES. C.F. 470 OHM 1/4W +/-5% | 1 | R811 | |
| 18-CE0479-JNX | RES. C.F. 4.7 OHM 1/2W +/-5% | 1 | R832 | |
| 18-DD0104-FNX | RES. M.F. 0.1M OHM 1/4W +/-1% | 1 | R804 | |
| 18-DD0472-FNX | RES. M.F. 4.7K OHM 1/4W +/-1% | 1 | R804A | |
| 18-DE0823-FNX | RES. M.F. 82K OHM 1/2W +/-1% | 1 | R831 | |
| 18-FG0223-JHX | RES. M.O. 22K OHM 2W +/-5% | 1 | R839 | |
| 18-FG0333-JHX | RES. M.O. 33K OHM 2W +/-5% | 1 | R837 | |
| 18-KE0105-JN3 | RES. H.VOLT. CC 1M OHM 1/2W +/-5% | 1 | R805 | |
| 18-KF0825-JH3 | RES. H.VOLT.CC 8.2M OHM 1W +/-5% | 1 | R812A | |
| 20-TR502H-5CX | TRIMMER B5K HORIZ TYPE | 1 | VR829 | |
| 22-NTC479-XX0 | NTC 4.7 OHM +/-18% NTC4.7D2-14 | 1 | RT802 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C812 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C849 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C845 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C863 | |
| 25-BEA102-M1X | CAP. ELEC 1000 UF 35V +/-20% | 1 | C832 | |
| 25-BEB101-M1X | CAP. ELEC 100 UF 35V +/-20% | 1 | C840 | |
| 25-BJG221-M1X | CAP. ELEC 220 UF 160V +/-20% | 1 | C835 | |
| 26-AGK221-KRX | CAP. CER 220 PF 250V +/-10% | 1 | C830 | |
| 26-AIM103-KBX | CAP. CER 0.01UF 500V +/-10% B | 1 | C805 | |
| 26-AIM103-KBX | CAP. CER 0.01UF 500V +/-10% B | 1 | C834 | |
| 26-AKK221-KRX | CAP. CER 220 PF 1KV +/-10% R | 1 | C833 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 26-AMK152-KRX | CAP. CER 1500 pF 2KV +/-10% R | 1 | C818 | |
| 26-AMK331-JZX | CAP. CER 330 pF 2KV +/-5% SL | 1 | C817 | |
| 26-APK222-ME4 | CAP. CER 2200PF 400VAC+/-20% E | 1 | C816 | |
| 26-AQK472-ZFX | CAP. CER 4700PF 250VAC+80-20%F | 1 | C807 | |
| 26-AQK472-ZFX | CAP. CER 4700PF 250VAC+80-20%F | 1 | C808 | |
| 26-EBP101-JCX | CAP. CER 100PF 50V +/-5% CH | 1 | C814 | |
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C804A | |
| 27-AQT224-MVH | CAP. M.PP 0.22 UF 275VAC 20% | 1 | C801 | |
| 27-AQT224-MVH | CAP. M.PP 0.22 UF 275VAC 20% | 1 | C802 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C820 | |
| 27-MHM104-K0X | CAP. METAL P.E. 0.1UF 400V 10% | 1 | C802A | |
| 34-R101K2-1BX | COIL CHOKE 100 UH +/-10% | 1 | L801 | |
| 34-R101K2-1BX | COIL CHOKE 100 UH +/-10% | 1 | L802 | |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 2 | | FOR D806 |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 2 | | FOR D804 |
| 36-LIF005-XX0 | LINE FILTER LCL-2826 | 1 | T801 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J815 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J802F | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J818 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J804 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J814 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J802G | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J816 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J817 | |
| 41-WJ0130-B00 | WIRE BARE JUMPER 13MM | 1 | J803 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J809 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J810 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J812 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J811 | |
| 41-WJ0175-B00 | WIRE BARE JUMPER 17.5MM | 1 | J813 | |
| 41-WJ0195-B00 | WIRE BARE JUMPER 19.5MM | 1 | J806 | |
| 46-10962W-02X | PIN BASE *2 TJC2-2A | 1 | | S803 FOR DEGAUSSING COIL |
| 46-28559W-02X | PIN BASE *2 TJC1-2A | 1 | S801 | |
| 64-B30100-104 | M/C SCREW B 3 X 10 | 1 | | FOR Q801 |
| 64-P30080-104 | M/C SCREW P 3 X 8 | 2 | | FOR IC803 & IC804 |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 66-20516X-0B0 | FUSE HOLDER | 2 | | FOR F801 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 4 | | FOR T801 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 4 | | FOR T803 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 4 | | FOR C801,C802 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 2 | | FOR D830 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 2 | | FOR C835 |
| 66-382330-0B7 | RIVET 2.0X3.7X3.5 | 4 | | FOR R808 & R836 |
| 67-H27292-3A0 | HEAT SINK | 2 | | FOR IC803 & IC804 |
| 67-H35984-2A0 | HEAT SINK | 1 | | FOR Q801 |
| 71-DYP000-WX1 | LABEL | 1 | | STICK ON HEAT SINK |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J805 | |
| 18-DD0392-FNX | RES. M.F. 3.9K OHM 1/4W +/-1% | 1 | R835 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | R840 | |
| 26-APK471-KB4 | CAP. CER 470 pF 400VAC +/-10% | 1 | C803 | |
| 26-APK471-KB4 | CAP. CER 470 pF 400VAC +/-10% | 1 | C804 | |
| 36-TRF046-AX1 | TRANSFORMER CONV. | 1 | T803 | |
| 35-LB1005-0IX | FERR BEAD H75 (3.5X1X5) | 1 | L816 | |
| 18-RG0228-JHX | RES. WIRE ROUND 0.22 OHM 2W +/-5% | 1 | R810 | |
| 26-EBP221-JCX | CAP. CER 220PF 50V +/-5% CH | 1 | C841 | |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 1 | | L812(FOR D833) |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 1 | | L813(FOR D833) |
| 35-139730-00X | FERR. BEAD BF60 | 1 | | L814(FOR D831) |
| 35-139730-00X | FERR. BEAD BF60 | 1 | | L815(FOR D831) |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 1 | | L810(FOR D830) |
| 35-237250-00X | FERR. BEAD HF70 4.5X5.0 | 1 | | L811(FOR D830) |
| 27-RJP472-J0X | CAP. PP 4700 PF 630V +/-5% | 1 | C809 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C842 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C831 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C813 | |
| 22-PTC200-XX0 | POSISTOR 20 OHM (25-34) | 1 | RT801 | |
| 18-GJ0223-KUX1 | RES.C.C.5W 22KOHM +/-10 | 1 | R808 | |
| 18-GJ0103-KUX1 | RES.C.C.5W 10KOHM +/-10% | 1 | R836 | |
| 41-WJ0195-B00 | WIRE BARE JUMPER 19.5MM | 1 | J807 | |
| 13-L7805C-VAP | IC L7805CV 1.5A (REGULATOR) | 1 | IC804 | |
| 25-BDA471-M1X | CAP. ELEC 470 UF 25V +/-20% | 1 | C843 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 5 | | FOR L801,FOR RT801 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 4 | | FOR DB801 |
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C844 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C846 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C864 | |
| 18-FE0102-JNX | RES. M.O. 1K OHM 1/2W +/-5% | 1 | R803 | |
| 25-BDB101-M1X | CAP. ELEC 100 UF 25V +/-20% | 1 | C861 | |
| 10-D3SB60-H7X | DIODE D3SB60 (BRIDGE RECT.) | 1 | DB801 | |
| 08-29T17E-FCN | ASS'Y - FRONT CABINET | 1 | | |
| 42-61308F-XX2 | SPEAKER 8 OHM 8W | 1 | SP601 | |
| 42-61308F-XX2 | SPEAKER 8 OHM 8W | 1 | SP602 | |
| 44-29OFLS-FD8A | CRT 73SX731Y22-DC04 | 1 | CRT01 | |
| 46-14026H-02X | HS 2P 2468#22 570mm S11-2Y/7mm | 1 | | P601H FOR M.BD P601 |
| 46-35197H-02X | HS 2P22 700/7 TJC3-2Y | 1 | | P602H FOR M.BD P602 |
| 59-130460-00X | RUBBER PAD (25mmX7mm) | 2 | | FOR FRONT CABINT FOOTING |
| 59-312160-000 | SPEAKER RUBBER CUSHION | 8 | | FOR SPEAKER |
| 63-B30080-AB4 | S/T SCREW B 3 X 8 AB | 2 | | MTG IR BD & PANEL |
| 63-Z30100-AB4 | S/T SCREW 3.0 X 10 | 2 | | MTG SWITCH BD |
| 63-W30140-HS4 | S/T SCREW W 3 X 14 HS | 8 | | MTG SPEAKER |
| 36-DEG290-XX2 | DEGAUSSING COIL 3100MM | 1 | | |
| 02-GND029-XX0 | ASS"Y-CRT GND WIRE & HOUS.(29) | 1 | | |
| 54-314740-0X0 | CRT FIBRE SHEET (22mmX22mmX0.8mm) | 8 | | MTG CRT & FRONT.CAB |
| 54-205140-000 | SPACER CRT MOUNTING T=2MM | 4 | | MTG CRT & FRONT.CAB |
| 56-C276LS-0HC | LENS | 1 | | |
| 63-W30100-AB4 | S/T SCREW W 3 X 10 AB | 1 | | MTG LENS & FRONT.CAB |
| 63-W30100-AB4 | S/T SCREW W 3 X 10 AB | 2 | | MTG PUSH BUTTON & FRONT.CAB |
| 63-W30100-AB4 | S/T SCREW W 3 X 10 AB | 2 | | MTG LIGHT LENS & FRONT.CAB |
| 63-B30060-BT4 | S/T SCREW B 3 X 6 BT | 2 | | MTG SIDE AV PCB & FRONT.CAB |
| 65-A60200-20E | WASHER 6 X 20 X 2MM | 4 | | MTG CRT & FRONT.CAB |
| 67-X21679-0E0 | SPRING CRT 6mmX50mmX0.6mm | 2 | | FOR CRT |
| 67-X41381-0E2 | POWER KNOB SPRING | 1 | | |
| 62-262660-0HN | POWER SW.ADAPTER | 1 | | |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 12 | | MTG CRT SUPPORTER & FRONT.CAB |
| 67-313820-2E0 | CRT BRACKET (RCA CRT) | 4 | | MTG TO FRONT.CAB |
| 46-26514H-04X | HS 4P A/B 500/13 RBGW TJC1-4Y | 1 | | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 55-BT17FC-0AN | FRONT CABINET | 1 | | |
| 56-BT18FB-0HA | PUSH BUTTON | 1 | | |
| 56-BT18PK-0HA | POWER KNOB | 1 | | |
| 56-407310-0HA | DECORATE ANNULUS | 1 | | |
| 57-FGP005-XX1 | LED LENS | 1 | | |
| 63-B30080-AB4 | S/T SCREW B 3 X 8 AB | 3 | | MTG KEY BD & F.CAB |
| 18-CD0106-JNX | RES. C.F. 10M OHM 1/4W +/-5% | 2 | | FOR PUSH BUTTON&POWER KNOB CONNECT GND |
| 41-BF0450-0BB | WIRE UL1007#24 450 BLACK | 2 | | FOR PUSH BUTTON&POWER KNOB CONNECT GND |
| 54-343300-0X0 | HEAT SHRINKABLE TUBE 3 X 0.25 | 0.06 | | FOR PUSH BUTTON&POWER KNOB CONNECT GND |
| 67-105580-0E2 | SOLDERING TAG | 2 | | FOR PUSH BUTTON&POWER KNOB CONNECT GND |
| 65-Z60100-50E | NUT M 6 | 4 | | MTG CRT & FRONT.CAB |
| 54-113970-0U0 | PVC TUBE #5 L=ROLL | 0.32 | | |
| 54-114000-00X | FELT TAPE (150mmX19mmX0.3mm) | 4 | | MTG CRT |
| 59-377680-000 | RUBBER PAD (22X22X5mm) | 4 | | MTG 62-389500-1CN |
| 62-389500-1CN | CRT SUPPORT | 2 | | |
| 08-29T18E-IRY | ASS'Y - RECIVE BD | 1 | | |
| 11-C124ES-0BX | TRANSISTOR PDTC124ES (NPN) | 1 | Q082 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q081 | |
| 18-CB0181-JNX | RES. C.F. 180 OHM 1/6W +/-5% | 1 | R090 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R091 | |
| 18-CB0470-JNX | RES. C.F. 47 OHM 1/6W +/-5% | 1 | R089 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C080 | |
| 46-39131H-05X | HS 5P 2468#24 600 TJC3-5Y/JC25-5Y | 1 | | P005 FOR M.BD P001 |
| 02-IRR001-XX1 | IR RECEIVER MODULE HRM380017 | 1 | IR001 | |
| 40-29T18E-IRB1X | P.C.B. RECEIVE BD | 1 | | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J082 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J001 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J085 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J008 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J083 | |
| 46-CE040T-02J | HS 2P 2468#24 400MM TJC3-2Y | 1 | | P005B FOR SW BD S803 |
| 25-BCB331-M1X | CAP. ELEC 330 UF 16V +/-20% | 1 | C081 | |
| 08-29T18E-KEY | ASS'Y - KEY BD | 1 | | |
| 18-CB0152-JNX | RES. C.F. 1.5k OHM 1/6W +/-5% | 1 | R086 | |
| 18-CB0622-JNX | RES. C.F. 6.2k OHM 1/6W +/-5% | 1 | R082 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0182-JNX | RES. C.F. 1.8K OHM 1/6W +/-5% | 1 | R085 | |
| 18-CB0272-JNX | RES. C.F. 2.7k OHM 1/6W +/-5% | 1 | R084 | |
| 18-CB0432-JNX | RES. C.F. 4.3K OHM 1/6W +/-5% | 1 | R083 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S001 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S002 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S003 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S004 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S005 | |
| 48-TAC001-XX0 | TACT SWITCH | 1 | S006 | |
| 46-CE060T-02J | CONNECTION TJC3-2Y/JC25-2Y 600MM | 1 | | P001 FOR M. BD P005A |
| 41-WJ0070-B00 | WIRE BARE JUMPER 7MM | 1 | J082 | |
| 40-29T18E-KEB1X | P.C.B. KEY BD | 1 | | |
| 08-29T17E-RCN | REAR CABINET | 1 | | |
| 63-B40250-AB2 | S/T SCREW B 4 X 25 AB | 10 | | MTG REAR.CAB & FRONT.CAB |
| 63-F30100-BT3 | S/T SCREW F 3 X 10 BT (BLACK) | 3 | | MTG RCA JACK & REAR.CAB |
| 58-CA41RI-1UI | INLAY REAR AV | 1 | | |
| 58-CA61SI-1UI | INLAY SIDE AV | 1 | | |
| 55-BA41RC-0AN | REAR CABINET | 1 | | |
| 58-BT18MP-0UI | PLATE MODEL NO. | 1 | | |
| 54-114000-00X | FELT TAPE (150mmX19mmX0.3mm) | 9 | | |
| 62-389620-0UD | POWER LINE BLOCK | 1 | | |
| 08-29T18E-SW1 | ASS'Y - SWITCH BD(AA) | 1 | | |
| 40-21T18H-SWA1X | P.C.B. SWITCH BD | 1 | | |
| 46-35063W-03X | PIN BASE *3 VH-3A | 1 | P804A | |
| 46-39073H-03X | HS 2P 1617#22 200 TJC1-2Y/VH-3Y | 1 | | FOR P804A TO POWER PARTS |
| 48-POW001-AX0 | SWITCH POWER | 1 | SW801 | |
| 51-JC0243-0PN01 | POWER CORD | 1 | | |
| 46-35063W-03X | PIN BASE *3 VH-3A | 1 | P804 | |
| 46-33079W-02X | PIN BASE *2 TJC3-2A | 1 | | S803 FOR IR BD |
| 46-33079W-04X | PIN BASE *4 TJC3-4A | 1 | | S804 FOR LAMP |
| 08-BT174E-PAY | ASS'Y - PACKING PARTS | 1 | | |
| 74-022032-6WE | POLYBAG (23cmX34cmX0.06mm) | 1 | | |
| 74-130130-80HAA | POLYBAG W/SUFFOCATION WARNING | 1 | | |
| 75-BT18UL-CC0 | POLYFOAM "UL" | 1 | | |
| 75-BT18UR-CC0 | POLYFOAM "UR" | 1 | | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 75-BT18LL-CC0 | POLYFOAM "LL" | 1 | | |
| 75-BT18LR-CC0 | POLYFOAM "LR" | 1 | | |
| 76-A29T18-0AT | CARTON BOX | 1 | | |
| 49-382550-BAT | BATTERY R06P AA 1.5V 5# | 2 | | |
| 72-BT174E-E32 | OPERATION MANUAL | 1 | | |
| 08-HS46F0-M113C | | 1 | | |
| 13-00AS12-13B | IC AS1213B | 1 | IC1501 | |
| 14-IRE05B-XX0 | IR EMITTING DIODE TSAL6200 | 1 | D1501 | |
| 18-CB0221-JNX | RES. C.F. 220 OHM 1/6W +/-5% | 1 | R1502 | |
| 18-CB0229-JNX | RES. C.F. 2.2 OHM 1/6W +/-5% | 1 | R1501 | |
| 25-HBB479-M1X | CAP. ELEC 4.7 UF 10V +/-20% | 1 | C1502 | |
| 26-EBP101-JCX | CAP. CER 100PF 50V +/-5% CH | 1 | C1503 | |
| 26-EBP101-JCX | CAP. CER 100PF 50V +/-5% CH | 1 | C1504 | |
| 40-113SLF-RMB | P.C.B. REMOTE HANDSET BD | 1 | | |
| 41-WJ0070-B00 | WIRE BARE JUMPER 7MM | 1 | J1501 | |
| 45-COS455-KY1 | CERAMIC RESONATOR 455KHz | 1 | X1501 | |
| 49-HS46F0-00X | RUBBER PAD KEYS | 1 | | |
| 55-HS46FB-0HA | CASE LOWER - REMOTE HANDSET | 1 | | |
| 55-HS46FD-0HA | DOOR BATT. - REMOTE HANDSET | 1 | | |
| 55-HS46FT-0HA | CASE UPPER - REMOTE HANDSET | 1 | | |
| 63-B26060-BT2 | S/T SCREW B 2.6 X 6 BT | 1 | | |
| 67-X26968-0E2 | BATT. TERMINAL (+/-) | 1 | | |
| 67-X31028-0E2 | SPRING - BATTERY (-) | 1 | | |
| 67-X31029-0E2 | SPRING - BATTERY (+) | 1 | | |
| 74-009022-60C | POLYBAG HANDSET (9CMX22CM) | 1 | | |
| 11-0BC337-0BX | TRANSISTOR (NPN) BC337-40 | 1 | Q1501 | |
| 58-HS46F3-AUI | INLAY REMOTE HANDSET | 1 | | |
| 08-29T18E-SIY | ASS'Y - SIDE AV BD | 1 | | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J001 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J002 | |
| 46-39136H-07X | 7P 2468#24/1185#26 550 TJC3-7Y/SCN-7Y | 1 | | P002 FOR M.BD P921 |
| 47-RCA041-XX0 | JACK RCA 3PH H=8MM YL WH RD/SW | 1 | P1103 | |
| 47-SVI002-XX0 | Y/C SOCKET VERTICAL TYPE | 1 | P961 | |
| 40-21T18H-SIB1X | P.C.B. SIDE AV BD | 1 | | |
| 08-BT174E-OT1 | ASS'Y -OTHER PARTS OF MAIN BD | 1 | | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 10-79C3V9-DBX | DIODE ZENER 3V9 1/2W 5% | 1 | D605 | |
| 11-DD1556-0AX | TRANSISTOR 3DD1556 | 1 | Q411 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | | FOR Q205(C-E) |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q605 | |
| 13-A20V04-TOP | IC A20V04-TO | 1 | IC101 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R910 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R912 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R237 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R037 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R635 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R426 | |
| 18-CB0183-JNX | RES. C.F. 18k OHM 1/6W +/-5% | 1 | R432 | |
| 18-CB0221-JNX | RES. C.F. 220 OHM 1/6W +/-5% | 1 | R250 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R909 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R307 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R911 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R913 | |
| 18-CB0394-JNX | RES. C.F. 390K OHM 1/6W +/-5% | 1 | R425 | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R416 | |
| 18-CB0563-JNX | RES. C.F. 56K OHM 1/6W +/-5% | 1 | R414 | |
| 18-CB0820-JNX | RES. C.F. 82 OHM 1/6W +/-5% | 1 | R908 | |
| 18-EG0109-JHX | RES. FUS. 1 OHM 2W +/-5% | 1 | R301 | |
| 18-EG0159-JHX | RES. FUS. 1.5 OHM 2W +/-5% | 1 | R461 | |
| 18-FF0221-JGX | RES. M.O. 220 OHM 1W +/-5% | 1 | R311 | |
| 18-FG0159-JHX | RES. M.O. 1.5 OHM 2W +/-5% | 1 | R309 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C905 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C906 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C647 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C904 | |
| 25-BMJ221-M1X | CAP. ELEC 220 UF 400V +/-20% | 1 | C806 | |
| 26-EBP100-JCX | CAP. CER 10PF 50V +/-5% CH | 1 | C303 | |
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C306 | |
| 27-AGQ474-JSX | CAP. M.PP 0.47UF 250V +/-5% | 1 | C419 | |
| 27-ALQ103-J0X | CAP. M.PP 0.01UF 1.6KV +/-5% | 1 | C412 | |
| 27-MCC272-J0X | CAP. M.P.E 2700PF 100V +/-5% | 1 | C311 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 27-RHQ223-J0X | CAP. PP 0.022 UF 400V +/-5% | 1 | C413 | |
| 34-R829J2-0EX | COIL PL - 8.2 UH +/-5% | 1 | L204 | |
| 36-WID601-XX1 | COIL CHOKE 600 UH | 1 | L413 | |
| 37-BSC290-1650X | FLYBACK BSC29-0165 | 1 | T461 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | JP901 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | JP902 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | JP904 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J303 | |
| 41-WJ0110-B00 | WIRE BARE JUMPER 11MM | 1 | J918 | |
| 45-SAW296-6M00G | SAW FILTER K2966M | 1 | Z101 | |
| 45-TRA5M5-0Y0 | CER TRAP TPS 5.5MHZ | 1 | X203 | |
| 47-RCA023-XX1 | RCA JACK 3PV YEL WHI RED/SW | 1 | P906 | |
| 47-RCA023-XX1 | RCA JACK 3PV YEL WHI RED/SW | 1 | P904 | |
| 50-03150D-1GS1 | FUSE 3.15AT 250VAC 5mmX20mm | 1 | F801 | |
| 63-W30100-AB4 | S/T SCREW W 3 X 10 AB | 8 | | MTG M.BD & M.BD BKT |
| 66-382330-0B7 | RIVET 2.0X3.7X3.5 | 2 | | FOR C806 |
| 70-271510-00A | SERVICE CARD | 1 | | FOR PR0DUCTION USE |
| 90-209770-SR1 | SILICONE GREASE G-746 | 0.0015 | | FOR Q411,Q414,IC602,IC301,Q801 |
| 90-269080-ZU0 | CLEAN COATING TC-131L 14KG/BARREL | 0.0001 | | |
| 46-33079W-07X | PIN BASE *7 TJC3-7A | 1 | P921 | |
| 71-270870-0A9 | LABEL | 2 | | |
| 27-ALQ332-J0X | CAP. M.PP 3300PF 1.6KV +/-5% | 1 | C411 | |
| 27-ALQ332-J0X | CAP. M.PP 3300PF 1.6KV +/-5% | 1 | C414 | |
| 36-LIN240-XX1 | COIL LINEARITY 24 UH | 1 | L414 | |
| 57-10654X-00F | cable ties□(2.5mmX95mm) | 6 | | |
| 62-B159MB-3UN | MAIN BD BRACKET | 1 | | |
| 07-389VI5-NA0 | TUNER TCLL79107B5B3 | 1 | TU101 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C222 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C241A | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C915 | |
| 18-CB0332-JNX | RES. C.F. 3.3k OHM 1/6W +/-5% | 1 | J219 | |
| 41-WJ0090-B00 | WIRE BARE JUMPER 9MM | 1 | J906 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | JP903 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q212 | |
| 18-CB0101-JNX | RES. C.F. 100 OHM 1/6W +/-5% | 1 | R231 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0331-JNX | RES. C.F. 330 OHM 1/6W +/-5% | 1 | R232 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R233 | |
| 18-CB0470-JNX | RES. C.F. 47 OHM 1/6W +/-5% | 1 | R947 | |
| 25-DFB478-M1X | CAP. ELEC 0.47 UF 50V +/-20%NP | 1 | C211 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | R614A | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C417 | |
| 46-33079W-02X | PIN BASE *2 TJC3-2A | 1 | | P005A FOR KEY BD |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J413 | |
| 40-2970ME-MAM1X | P.C.B. MAIN BD | 1 | | |
| 08-29184E-MAY | ASS'Y- MAIN BD(NF) | 1 | | |
| 10-0BY228-F0X | DIODE BY228 | 1 | D411 | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D412 | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D421 | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D431 | |
| 10-0FR104-FBX | DIODE FR104 (FAST RECTIFIER) | 1 | D441 | |
| 10-1N4001-EBX | DIODE 1N4001 (RECTIFIER) | 1 | D301 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D201 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D202 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D203 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D204 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D205 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D601 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D602 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D603 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | D606 | |
| 10-1N4148-ABX | DIODE 1N4148 (SWITCHING) | 1 | | R618("-" TO Q601) |
| 10-79C5V1-DBX | DIODE ZENER 5V1 1/2W 5% | 1 | D001 | |
| 10-79C8V2-DBX | DIODE ZENER 8V2 1/2W 5% | 1 | D303 | |
| 11-2N3904-0BX | TRANSISTOR 2N3904 (NPN) | 1 | Q004 | |
| 11-630MFP-0AX | TRANSISTOR IRF630MFP | 1 | Q414 | |
| 11-C124ES-0BX | TRANSISTOR PDTC124ES (NPN) | 1 | Q602 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q008 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q215 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q412 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q413 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q601 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q912 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q915 | |
| 11-SA1015-YBX | TRANSISTOR 2SA1015Y | 1 | Q916 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q007 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q201 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q202 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q204 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q451 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q630 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q631 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q909 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q910 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q911 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q913 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | Q914 | |
| 11-SC2482-0BX | TRANSISTOR 2SC2482 | 1 | Q401 | |
| 11-SC3779-DBX | TRANSISTOR 2SC3779D (RF AMPL) | 1 | Q101 | |
| 11-SK2541-0BX | FET 2SK2541(N-CHANNEL) | 1 | Q003 | |
| 13-000040-52P | IC 4052 | 1 | IC901 | |
| 13-000040-52P | IC 4052 | 1 | IC902 | |
| 13-00M24C-08P | IC EEPROM 8K M24C08 (WRITE) | 1 | IC001 | |
| 13-0TDA81-72S | IC TDA8172 | 1 | IC301 | |
| 13-NJW113-6LP | IC NJW1136L | 1 | IC601 | |
| 13-TDA894-4JS | IC TDA8944J | 1 | IC602 | |
| 18-CB0100-JNX | RES. C.F. 10 OHM 1/6W +/-5% | 1 | R204 | |
| 18-CB0101-JNX | RES. C.F. 100 OHM 1/6W +/-5% | 1 | R203 | |
| 18-CB0101-JNX | RES. C.F. 100 OHM 1/6W +/-5% | 1 | R213 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R003 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R004 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R023 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R031 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R032 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R106 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R453 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R604 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R611 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R904 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R906 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R923 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R924 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R925 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R926 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R931 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R944 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R950 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R950A | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R951 | |
| 18-CB0102-JNX | RES. C.F. 1K OHM 1/6W +/-5% | 1 | R951A | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | J205 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R006 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R025 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R026 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R033 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R035 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R043 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R054 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R224 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R227 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R246 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R305 | |
| 18-CB0103-JNX | RES. C.F. 10K OHM 1/6W +/-5% | 1 | R607 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R034 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R235 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R236 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R619 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R907 | |
| 18-CB0104-JNX | RES. C.F. 100K OHM 1/6W +/-5% | 1 | R943 | |
| 18-CB0121-JNX | RES. C.F. 120 OHM 1/6W +/-5% | 1 | R217 | |
| 18-CB0123-JNX | RES. C.F. 12k OHM 1/6W +/-5% | 1 | R413 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0123-JNX | RES. C.F. 12k OHM 1/6W +/-5% | 1 | R937 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R102 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R108 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R218 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R228 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R928 | |
| 18-CB0151-JNX | RES. C.F. 150 OHM 1/6W +/-5% | 1 | R929 | |
| 18-CB0153-JNX | RES. C.F. 15k OHM 1/6W +/-5% | 1 | R009 | |
| 18-CB0153-JNX | RES. C.F. 15k OHM 1/6W +/-5% | 1 | R021 | |
| 18-CB0183-JNX | RES. C.F. 18k OHM 1/6W +/-5% | 1 | R933 | |
| 18-CB0202-JNX | RES. C.F. 2K OHM 1/6W +/-5% | 1 | R412 | |
| 18-CB0220-JNX | RES. C.F. 22 OHM 1/6W +/-5% | 1 | R027 | |
| 18-CB0220-JNX | RES. C.F. 22 OHM 1/6W +/-5% | 1 | R028 | |
| 18-CB0221-JNX | RES. C.F. 220 OHM 1/6W +/-5% | 1 | R401 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R417 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R423 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R615 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R903 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R945 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R946 | |
| 18-CB0222-JNX | RES. C.F. 2.2k OHM 1/6W +/-5% | 1 | R946A | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R005 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R022 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R208A | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R616 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R630 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R631 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R632 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R633 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R905 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R932 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R938 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R939 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R940 | |
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R941 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0223-JNX | RES. C.F. 22k OHM 1/6W +/-5% | 1 | R942 | |
| 18-CB0224-JNX | RES. C.F. 220k OHM 1/6W +/-5% | 1 | R240 | |
| 18-CB0271-JNX | RES. C.F. 270 OHM 1/6W +/-5% | 1 | R243 | |
| 18-CB0271-JNX | RES. C.F. 270 OHM 1/6W +/-5% | 1 | R244 | |
| 18-CB0271-JNX | RES. C.F. 270 OHM 1/6W +/-5% | 1 | R245 | |
| 18-CB0272-JNX | RES. C.F. 2.7k OHM 1/6W +/-5% | 1 | R001 | |
| 18-CB0272-JNX | RES. C.F. 2.7k OHM 1/6W +/-5% | 1 | R002 | |
| 18-CB0303-JNX | RES. C.F. 30K OHM 1/6W +/-5% | 1 | R241 | |
| 18-CB0331-JNX | RES. C.F. 330 OHM 1/6W +/-5% | 1 | R201 | |
| 18-CB0331-JNX | RES. C.F. 330 OHM 1/6W +/-5% | 1 | R214 | |
| 18-CB0331-JNX | RES. C.F. 330 OHM 1/6W +/-5% | 1 | R608 | |
| 18-CB0331-JNX | RES. C.F. 330 OHM 1/6W +/-5% | 1 | R609 | |
| 18-CB0332-JNX | RES. C.F. 3.3k OHM 1/6W +/-5% | 1 | R212 | |
| 18-CB0332-JNX | RES. C.F. 3.3k OHM 1/6W +/-5% | 1 | R253 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R020 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R210 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R225 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R306 | |
| 18-CB0333-JNX | RES. C.F. 33K OHM 1/6W +/-5% | 1 | R617 | |
| 18-CB0362-JNX | RES. C.F. 3.6K OHM 1/6W +/-5% | 1 | R302 | |
| 18-CB0392-JNX | RES. C.F. 3.9K OHM 1/6W +/-5% | 1 | R007 | |
| 18-CB0392-JNX | RES. C.F. 3.9K OHM 1/6W +/-5% | 1 | R008 | |
| 18-CB0392-JNX | RES. C.F. 3.9K OHM 1/6W +/-5% | 1 | R203A | |
| 18-CB0392-JNX | RES. C.F. 3.9K OHM 1/6W +/-5% | 1 | R303 | |
| 18-CB0394-JNX | RES. C.F. 390K OHM 1/6W +/-5% | 1 | R935 | |
| 18-CB0470-JNX | RES. C.F. 47 OHM 1/6W +/-5% | 1 | R024 | |
| 18-CB0470-JNX | RES. C.F. 47 OHM 1/6W +/-5% | 1 | R927 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R036 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R042 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R044 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R103 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R208 | |
| 18-CB0471-JNX | RES. C.F. 470 OHM 1/6W +/-5% | 1 | R211 | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R010 | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R315 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R420 | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R602 | |
| 18-CB0472-JNX | RES. C.F. 4.7k OHM 1/6W +/-5% | 1 | R612 | |
| 18-CB0473-JNX | RES. C.F. 47K OHM 1/6W +/-5% | 1 | R101 | |
| 18-CB0473-JNX | RES. C.F. 47K OHM 1/6W +/-5% | 1 | R219 | |
| 18-CB0473-JNX | RES. C.F. 47K OHM 1/6W +/-5% | 1 | R226 | |
| 18-CB0473-JNX | RES. C.F. 47K OHM 1/6W +/-5% | 1 | R610 | |
| 18-CB0513-JNX | RES. C.F. 51k OHM 1/6W +/-5% | 1 | R220 | |
| 18-CB0560-JNX | RES. C.F. 56 OHM 1/6W +/-5% | 1 | R107 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R216 | |
| 18-CB0681-JNX | RES. C.F. 680 OHM 1/6W +/-5% | 1 | R934 | |
| 18-CB0683-JNX | RES. C.F. 68K OHM 1/6W +/-5% | 1 | R418 | |
| 18-CB0683-JNX | RES. C.F. 68K OHM 1/6W +/-5% | 1 | R936 | |
| 18-CB0750-JNX | RES. C.F. 75 OHM 1/6W +/-5% | 1 | R922 | |
| 18-CB0820-JNX | RES. C.F. 82 OHM 1/6W +/-5% | 1 | R901 | |
| 18-CB0820-JNX | RES. C.F. 82 OHM 1/6W +/-5% | 1 | R902 | |
| 18-CB0822-JNX | RES. C.F. 8.2K OHM 1/6W +/-5% | 1 | R202 | |
| 18-CB0822-JNX | RES. C.F. 8.2K OHM 1/6W +/-5% | 1 | R256 | |
| 18-CD0479-JNX | RES. C.F. 4.7 OHM 1/4W +/-5% | 1 | R030 | |
| 18-CD0829-JNX | RES. C.F. 8.2 OHM 1/4W +/-5% | 1 | R613 | |
| 18-CD0829-JNX | RES. C.F. 8.2 OHM 1/4W +/-5% | 1 | R620 | |
| 18-CE0109-JNX | RES. C.F. 1 OHM 1/2W +/-5% | 1 | R304 | |
| 18-CE0271-JNX | RES. C.F. 270 OHM 1/2W +/-5% | 1 | R209 | |
| 18-DB0123-FNX | RES. M.F. 12K OHM 1/6W +/-1% | 1 | R308 | |
| 18-EG0109-JHX | RES. FUS. 1 OHM 2W +/-5% | 1 | R422 | |
| 18-EG0109-JHX | RES. FUS. 1 OHM 2W +/-5% | 1 | R431 | |
| 18-FE0121-JNX | RES. M.O. 120 OHM 1/2W +/-5% | 1 | R310 | |
| 18-FE0472-JNX | RES. M.O. 4.7K OHM 1/2W +/-5% | 1 | R316 | |
| 18-FF0242-JGX | RES. M.O. 2.4K OHM 1W +/-5% | 1 | R402 | |
| 18-FF0681-JGX | RES. M.O. 680 OHM 1W +/-5% | 1 | R419 | |
| 18-FG0103-JHX | RES. M.O. 10K OHM 2W +/-5% | 1 | R421 | |
| 18-FG0399-JHX | RES. M.O. 3.9 OHM 2W +/-5% | 1 | R415 | |
| 18-GM0302-KUX | RES. CEMENT 3K OHM 7W +/-10% | 1 | R404 | |
| 18-RG0228-JHX | RES. WIRE ROUND 0.22 OHM 2W +/-5% | 1 | R614 | |
| 25-264610-M1X | CAP. ELEC 4.7UF 50V +/-20% NP | 1 | C415 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 25-BCA102-M1X | CAP. ELEC 1000 UF 16V +/-20% | 1 | C245 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C021 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C033 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C228 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C235 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C902 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C903 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C911 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C912 | |
| 25-BCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C917 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C028 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C051 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C219 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C233 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C612 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C914 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C930 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C930A | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C910 | |
| 25-BCB331-M1X | CAP. ELEC 330 UF 16V +/-20% | 1 | C630 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C213 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C229 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C631 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C901 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C920 | |
| 25-BDA102-M1X | CAP. ELEC 1000 UF 25V +/-20% | 1 | C623 | |
| 25-BDB470-M1X | CAP. ELEC 47 UF 25V +/-20% | 1 | C632 | |
| 25-BEA102-M1X | CAP. ELEC 1000 UF 35V +/-20% | 1 | C432 | |
| 25-BEA221-M1X | CAP. ELEC 220 UF 35V +/-20% | 1 | C302 | |
| 25-BEA471-M1X | CAP. ELEC 470 UF 35V +/-20% | 1 | C301 | |
| 25-BEG222-M1X | CAP. ELEC 2200 UF 35V +/-20% | 1 | C308 | |
| 25-BFB101-M1X | CAP. ELEC 100 UF 50V +/-20% | 1 | C105 | |
| 25-BFB101-M1X | CAP. ELEC 100 UF 50V +/-20% | 1 | C224 | |
| 25-BFB101-M1X | CAP. ELEC 100 UF 50V +/-20% | 1 | C237 | |
| 25-BFB109-M1X | CAP. ELEC 1 UF 50V +/-20% | 1 | C218 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 25-BFB109-M1X | CAP. ELEC 1 UF 50V +/-20% | 1 | C221 | |
| 25-BFB109-M1X | CAP. ELEC 1 UF 50V +/-20% | 1 | C307 | |
| 25-BFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% | 1 | C601 | |
| 25-BFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% | 1 | C607 | |
| 25-BFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% | 1 | C650 | |
| 25-BFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% | 1 | C657 | |
| 25-BFB478-M1X | CAP. ELEC 0.47 UF 50V +/-20% | 1 | C227 | |
| 25-BFB478-M1X | CAP. ELEC 0.47 UF 50V +/-20% | 1 | C918 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C101 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C223 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C304 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C614 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C615 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C616 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C617 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C618 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C619 | |
| 25-BFB479-M1X | CAP. ELEC 4.7 UF 50V +/-20% | 1 | C620 | |
| 25-BJG101-M1X | CAP. ELEC 100 UF 160V +/-20% | 1 | C422 | |
| 25-BKA100-M1X | CAP. ELEC 10 UF 200V +/-20% | 1 | C421 | |
| 25-BLF100-M1X | CAP. ELEC 10 UF 250V +/-20% | 1 | C442 | |
| 25-GFB228-K1X | CAP. ELEC 0.22 UF 50V +/-10% | 1 | C216 | |
| 25-GFB478-K1X | CAP. ELEC 0.47 UF 50V +/-10% | 1 | C246 | |
| 25-GFB478-K1X | CAP. ELEC 0.47 UF 50V +/-10% | 1 | C248 | |
| 26-ABC104-ZFX | CAP. CER 0.1 UF 50V +80-20% F | 1 | C232 | |
| 26-AIC221-KBX | CAP. CER 220 PF 500V +/-10% B | 1 | C431 | |
| 26-AIC221-KBX | CAP. CER 220 PF 500V +/-10% B | 1 | C441 | |
| 26-AIC332-KBX | CAP. CER 3300 PF 500V +/-10% B | 1 | C402 | |
| 26-AIC391-KBX | CAP. CER 390 PF 500V +/-10% B | 1 | C403 | |
| 26-AIM103-KBX | CAP. CER 0.01UF 500V +/-10% B | 1 | C401 | |
| 26-EBP101-JCX | CAP. CER 100PF 50V +/-5% CH | 1 | C035 | |
| 26-EBP101-JCX | CAP. CER 100PF 50V +/-5% CH | 1 | C240 | |
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C109 | |
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C226 | |
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C416 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C651 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C007 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C022 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C029 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C034 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C050 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C106 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C107 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C108 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C214 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C220 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C225 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C234 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C238 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C244 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C250 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C418 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C613 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C913 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C921 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C922 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C923 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C931A | |
| 26-EBP104-ZFX | CAP. CER 0.1UF 50V +80%/-20% | 1 | C004 | |
| 26-EBP104-ZFX | CAP. CER 0.1UF 50V +80%/-20% | 1 | C230 | |
| 26-EBP104-ZFX | CAP. CER 0.1UF 50V +80%/-20% | 1 | C236 | |
| 26-EBP152-KBX | CAP. CER 1500pF 50V +/-10% B | 1 | C002 | |
| 26-EBP181-JCX | CAP. CER 180PF 50V +/-5% CH | 1 | C919 | |
| 26-EBP220-JCX | CAP. CER 22PF 50V +/-5% CH | 1 | C023 | |
| 26-EBP220-JCX | CAP. CER 22PF 50V +/-5% CH | 1 | C024 | |
| 26-EBP220-JCX | CAP. CER 22PF 50V +/-5% CH | 1 | C252 | |
| 26-EBP221-JCX | CAP. CER 220PF 50V +/-5% CH | 1 | C006 | |
| 26-EBP221-JCX | CAP. CER 220PF 50V +/-5% CH | 1 | C009 | |
| 26-EBP221-JCX | CAP. CER 220PF 50V +/-5% CH | 1 | C027 | |
| 26-EBP221-JCX | CAP. CER 220PF 50V +/-5% CH | 1 | C030 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C003 | |
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C217 | |
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C231 | |
| 26-EBP270-JCX | CAP. CER 27PF 50V +/-5% CH | 1 | C008 | |
| 26-EBP330-JCX | CAP. CER 33PF 50V +/-5% CH | 1 | C916 | |
| 26-EBP331-JCX | CAP. CER 330PF 50V +/-5% CH | 1 | C020 | |
| 26-EBP331-JCX | CAP. CER 330PF 50V +/-5% CH | 1 | C042 | |
| 26-EBP331-JCX | CAP. CER 330PF 50V +/-5% CH | 1 | C043 | |
| 26-EBP390-JCX | CAP. CER 39PF 50V +/-5% CH | 1 | C031 | |
| 26-EBP390-JCX | CAP. CER 39PF 50V +/-5% CH | 1 | C032 | |
| 26-EBP471-JCX | CAP. CER 470PF 50V +/-5% CH | 1 | C239 | |
| 27-MBC103-J0X | CAP. M.P.E 0.01UF 63V+/-5% | 1 | C626 | |
| 27-MBC103-J0X | CAP. M.P.E 0.01UF 63V+/-5% | 1 | C628 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C102 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C242 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C251 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C253 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C602 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C603 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C605 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C624 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C625 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C633 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C643 | |
| 27-MBC104-J0X | CAP. M.P.E 0.1 UF 63V +/-5% | 1 | C652 | |
| 27-MBC222-J0X | CAP. M.P.E 0.0022UF 63V +/-5% | 1 | C604 | |
| 27-MBC222-J0X | CAP. M.P.E 0.0022UF 63V +/-5% | 1 | C653 | |
| 27-MBC222-J0X | CAP. M.P.E 0.0022UF 63V +/-5% | 1 | C654 | |
| 27-MBC333-J0X | CAP. M.P.E 0.033UF 63V +/-5% | 1 | C656 | |
| 27-MBC334-J0X | CAP. M.P.E 0.33UF 63V +/-5% | 1 | C608 | |
| 27-MBC393-J0X | CAP. M.P.E 0.039UF 63V +/-5% | 1 | C309 | |
| 27-MBC472-J0X | CAP. M.P.E. 0.0047UF 63V +/-5% | 1 | C645 | |
| 27-MBC472-J0X | CAP. M.P.E. 0.0047UF 63V +/-5% | 1 | C646 | |
| 27-MBC473-J0X | CAP. M.P.E 0.047 UF 63V +/-5% | 1 | C655 | |
| 27-MBC474-J0X | CAP. M.P.E 0.47UF 63V +/-5% | 1 | C627 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 27-MBC474-J0X | CAP. M.P.E 0.47UF 63V +/-5% | 1 | C629 | |
| 27-PBC822-J0X | CAP. P.E 0.0082UF 63V +/-5% | 1 | C247 | |
| 27-RHQ563-J0X | CAP. PP 0.056 UF 400V +/-5% | 1 | C451 | |
| 34-A109K0-1IX | COIL CHOKE 1 UH +/-10% | 1 | L102 | |
| 34-R100J2-0EX | COIL PL - 10 UH +/-5% | 1 | J617 | |
| 34-R100J2-0EX | COIL PL - 10 UH +/-5% | 1 | L002 | |
| 34-R100J2-0EX | COIL PL - 10 UH +/-5% | 1 | L208 | |
| 34-R220J2-0EX | COIL PL - 22 UH +/-5% | 1 | J004 | |
| 34-R220J2-0EX | COIL PL - 22 UH +/-5% | 1 | L201 | |
| 34-R220J2-0EX | COIL PL - 22 UH +/-5% | 1 | L202 | |
| 34-R220J2-0EX | COIL PL - 22 UH +/-5% | 1 | L206 | |
| 34-R270J2-0EX | COIL PL - 27 UH +/-5% | 1 | L207 | |
| 34-R470J2-0EX | COIL PL - 47 UH +/-5% | 1 | L101 | |
| 36-HDR001-AX1 | TRANSFOR HOR. DRIVE (MAGNETIC CORE) | 1 | T401 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | C215 | |
| 41-WJ0050-B00 | WIRE BARE JUMPER 5MM | 1 | J631 | |
| 41-WJ0055-B00 | WIRE BARE JUMPER 5.5 MM | 1 | J915 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J005 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J102 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J1114 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J218 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J229 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J301 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J302 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J306 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J307 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J419 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J610 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J614 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J628 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J909 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J910 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J911 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J923 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | R930 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | D209 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J008 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J023 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J201 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J202 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J217 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J226A | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J305 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J602 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J606 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | J622 | |
| 41-WJ0065-B00 | WIRE BARE JUMPER 6.5MM | 1 | R105 | |
| 41-WJ0070-B00 | WIRE BARE JUMPER 7MM | 1 | J919 | |
| 41-WJ0070-B00 | WIRE BARE JUMPER 7MM | 1 | J922 | |
| 41-WJ0070-B00 | WIRE BARE JUMPER 7MM | 1 | J926 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | D413 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | D414 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J208 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J210 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J221 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J222 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J230 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J308 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J416 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J623 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J624 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J917 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J924 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | J925 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | R314 | |
| 41-WJ0080-B00 | WIRE BARE JUMPER 8 MM | 1 | J006 | |
| 41-WJ0080-B00 | WIRE BARE JUMPER 8 MM | 1 | J603 | |
| 41-WJ0080-B00 | WIRE BARE JUMPER 8 MM | 1 | J604 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J007 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J025 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J223 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J414 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J415 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J605 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J627 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J629 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J902 | |
| 41-WJ0085-B00 | WIRE BARE JUMPER 8.5MM | 1 | J907 | |
| 41-WJ0090-B00 | WIRE BARE JUMPER 9MM | 1 | J015A | |
| 41-WJ0090-B00 | WIRE BARE JUMPER 9MM | 1 | J024 | |
| 41-WJ0090-B00 | WIRE BARE JUMPER 9MM | 1 | J1110 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J021 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J022 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J216 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J403 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J615 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J616 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J901 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J912 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J914 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J916 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J921 | |
| 41-WJ0105-B00 | WIRE BARE JUMPER 10.5MM | 1 | J214 | |
| 41-WJ0105-B00 | WIRE BARE JUMPER 10.5MM | 1 | J228 | |
| 41-WJ0110-B00 | WIRE BARE JUMPER 11MM | 1 | J001 | |
| 41-WJ0110-B00 | WIRE BARE JUMPER 11MM | 1 | J002 | |
| 41-WJ0110-B00 | WIRE BARE JUMPER 11MM | 1 | J003 | |
| 41-WJ0110-B00 | WIRE BARE JUMPER 11MM | 1 | J012 | |
| 41-WJ0115-B00 | WIRE BARE JUMPER 11.5MM | 1 | J1109 | |
| 41-WJ0115-B00 | WIRE BARE JUMPER 11.5MM | 1 | J607 | |
| 41-WJ0115-B00 | WIRE BARE JUMPER 11.5MM | 1 | J613 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J020 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J206 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J209 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J227 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J608 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J929 | |
| 41-WJ0125-B00 | WIRE BARE JUMPER 12.5MM | 1 | J930 | |
| 41-WJ0130-B00 | WIRE BARE JUMPER 13MM | 1 | J215 | |
| 41-WJ0130-B00 | WIRE BARE JUMPER 13MM | 1 | J220 | |
| 41-WJ0140-B00 | WIRE BARE JUMPER 14MM | 1 | J207 | |
| 41-WJ0140-B00 | WIRE BARE JUMPER 14MM | 1 | J224 | |
| 41-WJ0145-B00 | WIRE BARE JUMPER 14.5MM | 1 | J625 | |
| 41-WJ0145-B00 | WIRE BARE JUMPER 14.5MM | 1 | J904 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J019 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J101 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J104 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J411 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J420 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J421 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | J920 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | L411 | |
| 41-WJ0150-B00 | WIRE BARE JUMPER 15MM | 1 | L412 | |
| 41-WJ0160-B00 | WIRE BARE JUMPER 16MM | 1 | J405 | |
| 41-WJ0165-B00 | WIRE BARE JUMPER 16.5MM | 1 | J225 | |
| 41-WJ0165-B00 | WIRE BARE JUMPER 16.5MM | 1 | J611 | |
| 41-WJ0165-B00 | WIRE BARE JUMPER 16.5MM | 1 | J612 | |
| 41-WJ0175-B00 | WIRE BARE JUMPER 17.5MM | 1 | J010 | |
| 41-WJ0175-B00 | WIRE BARE JUMPER 17.5MM | 1 | J011 | |
| 41-WJ0175-B00 | WIRE BARE JUMPER 17.5MM | 1 | J105 | |
| 41-WJ0175-B00 | WIRE BARE JUMPER 17.5MM | 1 | J212 | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J016 | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J017 | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J226 | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J621 | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J621A | |
| 41-WJ0185-B00 | WIRE BARE JUMPER 18.5MM | 1 | J626 | |
| 41-WJ0190-B00 | WIRE BARE JUMPER 19MM | 1 | J014 | |
| 41-WJ0190-B00 | WIRE BARE JUMPER 19MM | 1 | J015 | |
| 41-WJ0190-B00 | WIRE BARE JUMPER 19MM | 1 | J018 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 41-WJ0190-B00 | WIRE BARE JUMPER 19MM | 1 | J908 | |
| 41-WJ0195-B00 | WIRE BARE JUMPER 19.5MM | 1 | J601 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J013 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J618 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J619 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J620 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J905 | |
| 41-WJ0200-B00 | WIRE BARE JUMPER 20MM | 1 | J913 | |
| 45-OSC8M0-0Y0 | CRYSTAL 8.0MHZ | 1 | X001 | |
| 46-12866W-02X | PIN BASE *2 S11-02Y | 1 | P601 | |
| 46-20598W-04X | PIN BASE *4 TJC1-4A | 1 | | P411 FOR D.Y CONNECTOR |
| 46-33079W-02X | PIN BASE *2 TJC3-2A | 1 | P602 | |
| 46-33079W-03X | PIN BASE *3 TJC3-3A | 1 | | P002 FOR W. BAL. ADJUST |
| 46-33079W-04X | PIN BASE *4 TJC3-4A | 1 | | P421 FOR CRT BD P502 |
| 46-33079W-05X | PIN BASE *5 TJC3-5A | 1 | | P001 FOR F. CTL BD |
| 46-33079W-05X | PIN BASE *5 TJC3-5A | 1 | | P201 FOR CRT BD P503 |
| 54-128700-0X0 | FIBRE WASHER 3.3 X 10 X 0.8 | 2 | | MTG FBT TO M.BD |
| 62-227680-0UA | BRACKET ABS-KINGFA 606 (UO) | 1 | | |
| 63-B30100-BT4 | S/T SCREW B 3 X 10 BT | 2 | | MTG M.BD & FBT |
| 64-P30080-104 | M/C SCREW P 3 X 8 | 1 | | FOR IC301 |
| 64-P30080-104 | M/C SCREW P 3 X 8 | 1 | | FOR Q411 |
| 64-P30080-104 | M/C SCREW P 3 X 8 | 1 | | FOR Q414 |
| 64-P30100-104 | M/C SCREW P 3 X 10 | 2 | | FOR IC602 |
| 65-Z30050-23M | NUT M 3 | 2 | | FOR IC301 & Q411 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 14 | | FOR C412,C414,C411,C413,C419,L414,L413 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 3 | | FOR Q411 |
| 66-343730-0B0 | HOLLOW RIVET 1.6X3.0XL3.2 | 8 | | FOR T461 |
| 66-382330-0B7 | RIVET 2.0X3.7X3.5 | 2 | | FOR D411 |
| 66-382330-0B7 | RIVET 2.0X3.7X3.5 | 2 | | FOR R404 |
| 67-H27292-1A0 | HEAT SINK | 1 | | FOR Q414 |
| 67-H30147-0A0 | HEAT SINK FOR HORIZ (2501/2909 | 1 | | FOR Q411 |
| 67-H30179-7A0 | HEAT SINK | 1 | | FOR IC301 |
| 67-H34423-4A0 | HEAT SINK | 1 | | FOR IC602 |
| 41-BF0090-0BB | WIRE UL1007 #24 90 MM BLACK | 1 | | "G2" TO "G2" |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C925 | |

| Item No. | Description | Quantity Req. | Designator | Remarks |
|---|---|---|---|---|
| 26-EBP102-KBX | CAP. CER 1000 PF 50V +/-10% B | 1 | C610 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C622 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C611 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C241 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C243 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C210 | |
| 10-CW574C-DJX | DIODE CW574CD | 1 | D002 | |
| 27-MBC224-J0X | CAP. M.P.E 0.22UF 63V +/-5% | 1 | C005 | |
| 27-MBC224-J0X | CAP. M.P.E 0.22UF 63V +/-5% | 1 | C305 | |
| 08-02918E-YUY | ASS'Y-YUY BD | 1 | | |
| 18-CB0101-JNX | RES. C.F. 100 OHM 1/6W +/-5% | 1 | R206 | |
| 18-CB0101-JNX | RES. C.F. 100 OHM 1/6W +/-5% | 1 | R207 | |
| 18-CB0820-JNX | RES. C.F. 82 OHM 1/6W +/-5% | 1 | R206A | |
| 18-CB0820-JNX | RES. C.F. 82 OHM 1/6W +/-5% | 1 | R207A | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J919A | |
| 47-RCA089-XX0 | RCA SOCKET AV-3.2-3LK-N2 | 1 | P903 | |
| 41-TF0150-9CC | WIRE 2PIN | 1 | | P903 Cb TO R206(R206A);P903 Cr TO R207(R207A) |

# TCLM113 chassis alignment instruction

## Enter factory mode in production line

Simply press the D-mode key on the factory remote handset.

## Enter service mode

Press and hold the VOLUME DOWN key tightly on the unit until minimum level and don't release the VOLUMN DOWN key, then press the DISPLAY key on the remote handset.

"D" letter on the screen indicated that the factory mode was entered. Now you can use the shortcut key to access the factory menu. All change in factory data will save in EEPROM automatically

Note:

1. You can disable the D-Mode key (on factory remote handset) by change "BIT-0" of "OPT" to "0". If the D-Mode key was disabled, you can't enter D-Mode by the D-mode key on the factory remote (but you can still enter service mode). It is suggested to disable the D-Mode key before the set leave the factory.
2. On the factory remote handset, you can find the "I²C" key. It can cut off the $I^2C$ control from the CPU to other IC. This is only useful when automatic adjustment of white balance.
3. All system data in menu of "key 6" must keep unchanged when servicing. Otherwise, the set may not work properly.

## Setting method:

| No | Adjustment Items | Data Name (default value inside blanket) | Conditions and input signal | Setting method (need enter D-mode) |
|---|---|---|---|---|
| 1 | Screen voltage | ---------- | "IRGB cut off" must set to 80 (all pattern) | ● Press "MUTE" key on the remote handset and the screen will become a horizontal line. Then adjust the "screen" VR on the flyback until the horizontal line can just be seen (minimum visible intensity). |
| 2 | Focus voltage | ---------- | Cross hatch pattern. | ● Adjust the "focus" VR on the flyback until the screen becomes clear. |
| 3 | Vertical geometry for PAL system (Key 1) | HIT(11)<br>VP50(02)<br>VLIN(00)<br>VSC(01)<br>VBLK(00)<br>VCEN(11)<br>OSDH(1F) | Input a PAL cross hatch pattern. | ● Adjust HIT for vertical amplitude.<br>● Adjust VP50 for vertical position.<br>● Adjust VLIN for vertical linearity.<br>● Adjust VSC for vertical S-correction<br>● (Normally use default value)<br>● (Normally use default value).<br>● Adjust OSDH for OSD position |

| | | | | |
|---|---|---|---|---|
| 5 | Vertical geometry for NTSC system (Key 1) | HITS(14)<br>VP60(00)<br>VLIS(02)<br>VSS(02)<br>VBLK(00)<br>VCEN(11)<br>OSDHS(1D) | Input a NTSC cross hatch pattern. | ● Adjust HITS for vertical amplitude.<br>● Adjust VP60 for vertical position.<br>● Adjust VLINS for vertical linearity.<br>● Adjust VSS for vertical S-correction<br>● (normally use default value)<br>● (normally use default value)<br>● Adjust OSDHS for OSD position |
| 6 | Horizontal geometry for PAL system (Key 2) | HPOS (11)<br>DPC(26)<br>KEY(15)<br>WID(2A)<br>ECCT(0D)<br>ECCB(0C)<br>VEHT(04)<br>HEHT(04) | Input a PAL cross hatch pattern with black and white background. | ● Adjust HPOS for horizontal position.<br>● Adjust DPC, KEY, ECCT and ECCB until the vertical line at left and right side of the picture become straight.<br>● Adjust WID for horizontal width.<br>● VEHT and HENT is for the picture size stability when changing the brightness of the screen. Receive pattern of cross hatch with black background and then change to white background, then compare the vertical and horizontal size between black and white background. Adjust VEHT and HEHT until you get the minimum difference of screen size. After you adjust VEHT and HEHT, you must re-adjust vertical and horizontal amplitude. |
| 7 | Horizontal geometry for NTSC system (Key 2) | HPS (15)<br>DPCS(21)<br>KEYS(10)<br>WIDS(29)<br>ECCTS(12)<br>ECCBS(11)<br>VEHTS(04)<br>HEHTS(04) | Input a NTSC cross hatch pattern with black and white background. | ● Adjust HPS for horizontal position.<br>● Adjust DPCS, KEYS, ECCTS and ECCBS until the vertical line at left and right side of the picture become straight.<br>● Adjust WIDS for horizontal width.<br>● Adjust VEHTS and HEHTS using same method of PAL system. Also need re-adjustment of vertical and horizontal amplitude. |
| 8 | Key 3 (Status adjustment) | CNTX (5A)<br>CNTN (05)<br>BRTX (20)<br>BRTN (1D)<br>COLX (3F)<br>COLN (00)<br>TNTX (42)<br>TNTN (28) | ---------- | ● (all use default value) |
| 9 | Key 4 (Status adjustment) | BRTC (37)<br>COLC (57)<br>COLS (47)<br>COLP (F0)<br>SCOL(04)<br>SCNT (0F)<br>CNTC (40)<br>TNTC (48) | ---------- | ● (all use default value) |

| | | | | |
|---|---|---|---|---|
| 10 | Key 5 (sharpness adjustment) | ST3 (20)<br>SV3 (20)<br>ST4 (20)<br>SV4 (20)<br>SVD(15)<br>ASSH(04)<br>SHPX (3F)<br>SHPN (1A) | ---------- | ● (all use default value) |
| 11 | Key 7 (Status adjustment) | RFAGC (26)<br>SBY (0A)<br>SRY (08)<br>BRTS (0D)<br>TXCX (1F)<br>RGCN (00)<br>MUTT(70)<br>STAT(30) | Receive a 60dB grey scale + color bar signal | ● Adjust RFAGC until the picture noises disappear exactly.<br>● Adjust SBY and SRY to get the optimal color for SECAM system.<br>● For the adjustment of BRTS, receive an 8 step grey scale pattern and adjust all picture settings to 50%. Then adjust BRTC until the first and second step on the screen can just be distinguished.<br>● (the other use default value) |
| 12 | Key 8 (curve of volume control, curve of B.E./WOO-FER) | V01(3A)<br>V25(B0)<br>V50(DC)<br>V100(FF)<br>BASC(40)<br>BASX(72)<br>TREC(40)<br>WOFC(39)<br>AVC(0E)<br>NEWS(14)<br>SPACES(5A)<br>NEWT(14)<br>SPACET(5A)<br>WOFF(00)<br>B01(4F)<br>B25(68)<br>B50(7F) | ---------- | ● (all use default value) |
| 13 | Key calendar (other adjustment) | SVM(05)<br>SVM1(05)<br>SVM2(05)<br>SVM3(05)<br>PYNX(28)<br>PYNN(15)<br>PYXS(22)<br>PYNS(04) | ---------- | ● (all use default value) |
| 14 | Key note (other adjustment) | CLTO(4B)<br>CLTM(4C)<br>CLVO(4D)<br>CLVD(48)<br>ABL(27)<br>DCBS(33)<br>DEF(01) | ---------- | ● (all use default value) |

| | | | | |
|---|---|---|---|---|
| 15 | Key game (other adjustment) | OSD1(30)<br>OSDF1(66)<br>OSD2(48)<br>OSDF2(75)<br>HAFC(09)<br>NOIS(01)<br>UCOM(00) | ---------- | ● (all use default value) |
| 16 | Key 0 (White balance adjustment) | R CUT (80)<br>G CUT (80)<br>B CUT (80)<br>G DRV (40)<br>B DRV (40) | Black and white pattern (PAL) | 1. Measure the dark side of the picture with a color analyzer and set RCUT to 80. Then adjust BCUT and GCUT until the data on the analyzer become x = 284, y = 299.<br>2. Measure the bright side of the picture, Then adjust BDRV and GDRV until the data on the analyzer become x = 284, y = 299.<br>3. Repeat step 1 and 2 until you get right color on both dark and bright side of the screen. |

System data:

| Item | Adjust item | Default value |
|---|---|---|
| Key6 | OPT<br>FLG0<br>FLG1<br>STBY<br>HD-DELAY<br>MODE0<br>MODE1<br>MODE2 | |

FACTORY-OUT SETUP：In D-MODE, press **RECALL** button to initialize to the FACTORY-OUT status.

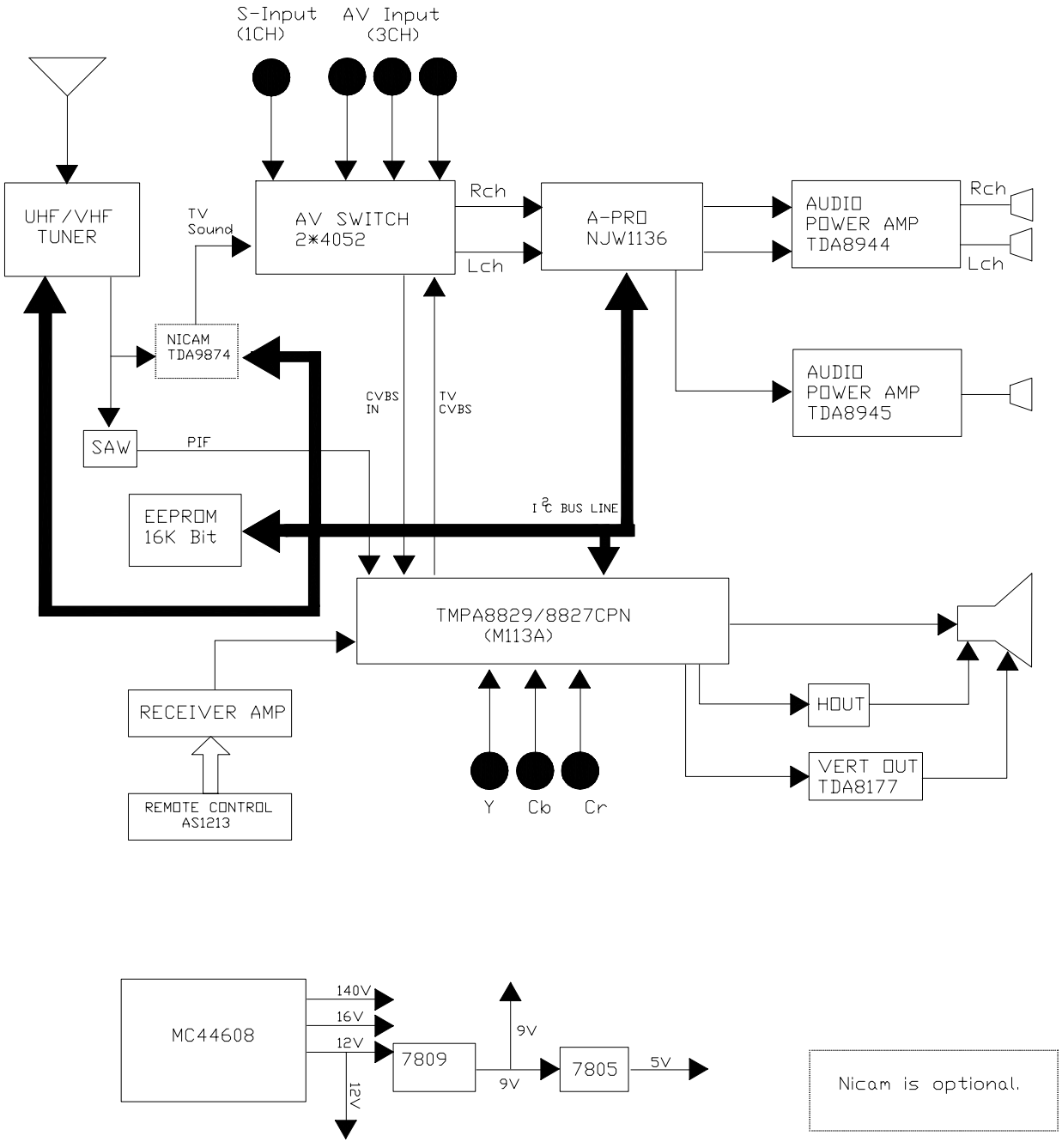
AGING MODE: In D-MODE, press **OK** button to entry AGING MODE.

EEPROM INITIALZATION: In D-MODE, press "**0752**" to initialize EEPROM.

NOTICE: Before to be released, any M113 chassis must be initialized to the FACTORY-OUT status.
Don't try to initialize EEPROM, unless software can't work normally.

# M113 Block Diagram

Prepared by Chen YH



M113

*CIRCUIT CONSTANTS AND CIRCUIT ITSELF ARE SUBJECT TO CHANGE WITHOUT NOTICE*

The Components Marked ⚠ Conform To VDE Or ICE Guide-Lines And Essential For Safe Operation Or The TV Receiver.
While Those Marked ⚠ Are Required For Correct Operation, Use Specified Parts Only When Replace.

01-00M113-MA1
2004-07-19

Woofer Option

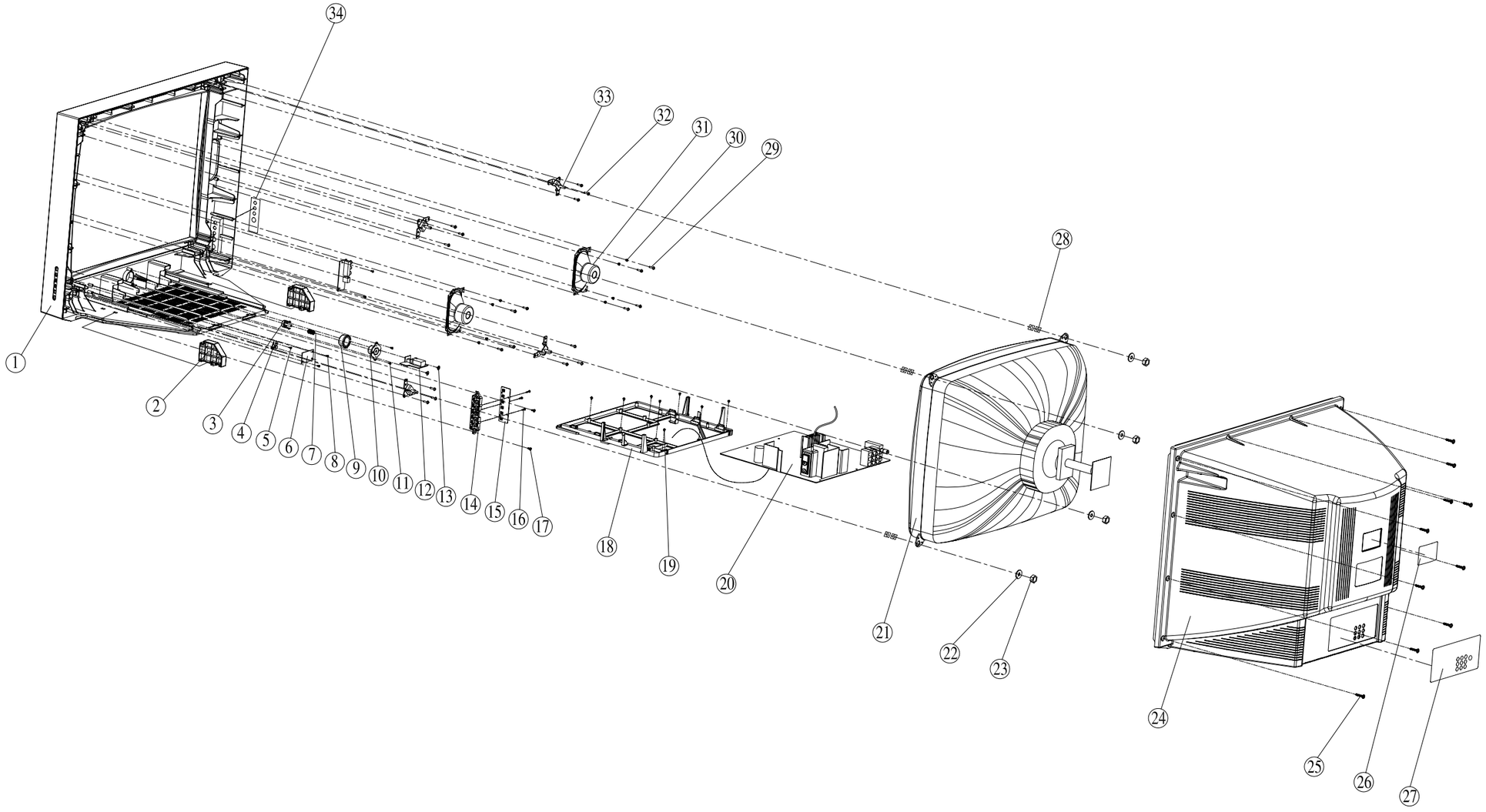
Nicam Option

Side AV Option

Y/U/V Option

40-2970ME-MAM1X

ATTENTION LIVE AREA
RISK OF FIRE-REPLACE FUSE AS MARKING
L VR803 N
T3.15AL 250V
F801
HOT
COLD
IC1101
IC1102
IC601
IC602
IC603
IC801
IC802
IC803
IC804
IC901
IC902
IC301
T801
T802
T803
T461
T401
TU101
IF
VCC
B1
B2
AGC
VT
Vout
Lout
Rout
L2in
R2in
V2in
Cb
Cr
L1in
R1in
V1in




| 序号 | 名称 | 物料编号 | 图号 | 数量 | 备注 |
|---|---|---|---|---|---|
| 34 | 侧AV贴片 | 58-CA61SI-1UI | | 1 | 03-BT17ME-SC32 |
| 33 | 铁码胆柱 | 67-313820-2E0 | | 4 | |
| 32 | 自攻螺丝 | 63-B40200-AB2 | | 12 | |
| 31 | 喇　叭 | 42-61308F-XX2 | | 2 | 03-BT17ME-SC32 |
| 30 | 喇叭胶垫 | 59-312160-000 | | 8 | |
| 29 | 自攻螺丝 | 63-W30140-HS4 | | 8 | |
| 28 | 纸　垫 | 54-314740-0X0 | | 8 | 绝缘纸厚度应符合规格要求 |
| 27 | 后AV贴片 | 58-368192-YUI | | 1 | 03-BT17ME-SC32 |
| 26 | 后警告贴片 | 58-BT18MP-0UI | | 1 | 03-BT17ME-SC32 |
| 25 | 自攻螺丝 | 63-B40250-AB2 | | 10 | |
| 24 | 后　壳 | 55-BA41RC-0CN | | 1 | |
| 23 | 螺　母 | 65-Z60100-50E | | 4 | |
| 22 | 垫　圈 | 65-A60200-20E | | 4 | |
| 21 | 29"普平CRT | 44-290FLW-TS4A | | 1 | 03-BT17ME-SC32 |
| 20 | 主　板 | 40-2970ME-MAL1X | | 1 | 03-BT17ME-SC32 |
| 19 | 自攻螺丝 | 63-W30100-AB2 | | 8 | |
| 18 | 主板支架 | 62-B159MB-3UN | | 1 | |
| 17 | 自攻螺丝 | 63-W30100-AB2 | | 2 | |
| 16 | 自攻螺丝 | 63-W30100-AB2 | | 3 | |
| 15 | 功能键板 | 40-29T18E-KEA1X | | 1 | 03-BT17ME-SC32 |
| 14 | 排　钮 | 56-BT18FB-0HA | | 1 | |
| 13 | 组合螺丝 | 63-Z30100-AB4 | | 2 | |
| 12 | 电源开关板 | 40-21T18H-SWA1X | | 1 | 03-BT17ME-SC32 |
| 11 | 自攻螺丝 | 63-W30100-AB2 | | 2 | |
| 10 | 发光透镜 | 57-PGP005-XX1 | | 1 | |
| 9 | 装饰圈 | 56-407310-0HA | | 1 | |
| 8 | 自攻螺丝 | 63-W30100-AB2 | | 2 | |
| 7 | 电源钮弹簧 | 67-X41381-0E2 | | 1 | |
| 6 | 接收板 | 40-29T18E-IRB1X | | 1 | 03-BT17ME-SC32 |
| 5 | 自攻螺丝 | 63-W30100-AB2 | | 1 | |
| 4 | 透　镜 | 56-C276LE-0HC | | 1 | |
| 3 | 电源钮 | 56-BT18PK-0HA | | 1 | |
| 2 | CRT 支撑 | 62-389500-1UN | | 2 | 预留，可选用 |
| 1 | 前　壳 | 55-BT17FC-0CN | | 1 | |

| | | | | | |
|---|---|---|---|---|---|
| 投影方法 | | 产品型号 | 29T17 | | |
| 标记 | 数量 | 更改单号 | 签名 | 日期 | 爆炸图 |
| 设　计 | | | | | WP |
| 审　核 | | | | | |
| 会　签 | | | | | |
| 标准化 | | | | | 等级标记 质量 比例 |
| 批　准 | | | | | 第 1 页 共 1 页 |
| 一般公差 | 线性：±0.1 角度：±0.5° | | | | |