

# TEAC

# SERVICE MANUAL

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3290

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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.

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**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.

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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.

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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.

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**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.



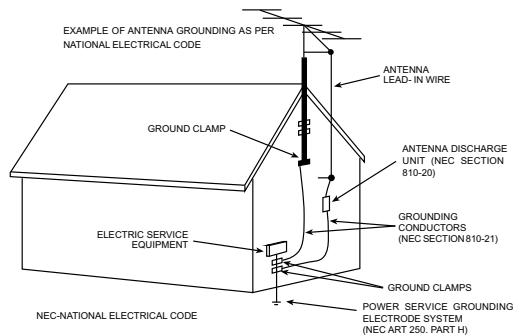
## **PROTECTION AND LOCATION OF YOUR SET**

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.

APAC PFS	
<b>Date: 5-NOV-2004</b> <b>ProductView.....:</b> <b>Report by.....:</b>	M68: 3290
<b>Specs / Chassis</b>	
<b>MasterData</b>	
Customer Id	TEAC
Version	1.0
Status	
Locked	
BOM No.	03-3290C5-AA1
Brand	TEAC
<b>Reception</b>	
+Tuning - presets/channels	100
+Tuning - technology	PLL FS TUNER
+Tuning - Indication	Freq.
+Freq Bands	Full-cable
+Channels	
+IF Freq	38.9 MHz
+TV Systems Off Air	PAL B/G
+Add Systems Ext In	NTSC/PAL 60
+TV Systems Multi	PAL
+Sound Systems	AV STEREO, GERMAN STEREO
<b>Picture - Processing</b>	
+Scan	Standard
+Scan Modes	4:3/4:3 scaling/ zoom/ subtitle/16:9
+Wide Screen Switching	
+BLACK STRETCH,BLUE STRETCH	Yes(user control)
+SVM	Yes
+LTI;CTI	
+Combfilter	COMB-F, VM
+Picture Control	4 Picture Modes, Brightness, Color, Contrast, Tint, Sharpness bar,3 Color Temp. modes,
+Pict Enhancement	off/middle/high,Including black stretch,blue stretch,dynamic skin
+Pict Noise Reduction	
<b>Picture - Display</b>	
+Display Type	CRT
+Screen Format	16:09
+Size(Visual)" - size/vis. cm	32"
+Deflection System (CRT only)	1Fh
+Tube Technology (CRT only)	
+CRT Defl	
+CRT Gun	Stand Gun
+CRT Magn field	
+Resolution	
+Coating (only for D.V. sets)	
+White Point	
<b>Sound</b>	
+Leaflet Power	12w
+RMS Power Intern	2x6w
+RMS Power Extern	
+DVSS(virtual Dolby Surround Sound)	
+Surround Sound	
+ESS&EPS	YES
+Sound Features	Four sound modes,Volume, Mute,AVL,Loudness,Equaliser, Balance,DBB
<b>Sound - Speakers</b>	
+Speaker configuration	4 Speakers
+Speakers used	Normal range
+Speaker Size	
<b>User Interface</b>	
+Interface Name	
+Voice Control	
+Menu	Cursor Control

<b>Date: 5-NOV-2004</b>	M68: 3290
<b>ProductView.....:</b>	
<b>Report by.....:</b>	
<b>Specs / Chassis</b>	
<b>+Menu Colours</b>	Multi-coloured On Screen Display for easy use
<b>+Menu Languages</b>	English
<b>+Special Features</b>	parent guide(including channel lock&child lock),channel name , channel swap,favorite channel , notebook, calendar,game,rotation
<b>+Operational Features</b>	Recall.
<b>+PP Features</b>	One PP for all channels
<b>+Tuning/Install Features</b>	auto search>manual ,fine tune,skip,Hotel mode(including lock menu)
<b>+Clock/Timer Functions</b>	clock,timer on/off,sleep time
<b>+Local Controls Front</b>	
<b>+Local Controls Top</b>	
<b>+Indicators - screen</b>	yes
<b>+Indicators - front</b>	SB LED
<b>+Numb of Loc Cont (incl Mains)</b>	8
<b>+Number of Ind. (incl Mains)</b>	
<b>+Local Controls (Old)</b>	Channel +/-, Vol +/- ,TV/AV,menu, Auto search ,power switch
<b>Remote Control</b>	
<b>+Remote Control - scope</b>	TV
<b>+Remote Control - type</b>	Q
<b>+Remote Control - typenr</b>	
<b>+Remote Control - features</b>	
<b>Connectors Rear</b>	
<b>+Scart RGB+Y/C+CVBS</b>	
<b>+Scart RGB+CVBS in/out(full)</b>	
<b>+Scart CVBS+Y/C</b>	
<b>+Component In (Y/U/V) Cinch</b>	X
<b>+In Y/C+Cinch(CVBS+St)</b>	X
<b>+In Y/C+Cinch(CVBS+Mo)</b>	
<b>+In Y/C+Cinch(St)</b>	
<b>+In BNC (CVBS)</b>	
<b>+In Cinch(CVBS+St)</b>	
<b>+In Cinch(CVBS+Mo)</b>	
<b>+Out Cinch(CVBS+St)</b>	X
<b>+Out Cinch(CVBS+Mo)</b>	
<b>+Out Cinch Audio Stereo</b>	
<b>+Out Cinch Audio Mono</b>	
<b>+Out Cinch Dolby Surround</b>	
<b>+Dig Audio Out</b>	
<b>+Loudspeakers</b>	
<b>+Control Busses</b>	
<b>+Feature Slot</b>	
<b>+ITV Smart Port</b>	
<b>+Terr. Antenna in</b>	75 Ohms (IEC type)
<b>Guide + IR Blaster Jack</b>	
<b>Connectors Front</b>	
<b>+In Cinch (CVBS + St)</b>	
<b>+In Cinch (CVBS+Mo)</b>	
<b>+Headphone Out</b>	
<b>Connectors Side</b>	
<b>+In Y/C + Cinch(CVBS+St)</b>	
<b>+In Y/C + Cinch Stereo</b>	
<b>+In Cinch (CVBS + St)</b>	X
<b>+IN Cinch (CVBS + Mo)</b>	
<b>+Headphone Out</b>	
<b>Connectors Top</b>	
<b>Connectors Mechanical</b>	
<b>Styling</b>	
<b>+Cabinet Name</b>	3290
<b>+Configuration</b>	
<b>+Graphics/Logo's</b>	TEAC

<b>Date: 5-NOV-2004</b>	<b>M68:</b> <b>3290</b>
<b>ProductView.....:</b>	
<b>Report by.....:</b>	
<b>Specs / Chassis</b>	
+Cabinet Colour and Finish	
+Mechanics	
+Speaker Visibility	
<b>General</b>	
+Chassis	M68
+Software Delivery Mode	
+Software Version	
+Mains Voltage	180v-240v
+Mains Frequency	50/60Hz
+Type Mains Cord	
Power Consumption (P)TV in On	
Power Consumption SB in Watts	less than 1w
Power Consumption Semi SB in W	
+Power in "ON" for	
+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	
<b>Final Equipment</b>	
+Packaging - methods	
+Documents and manuals	DFU
+Languages DFU	English
+Cables Supplied	
+Antenna Supplied	
+Stand Supplied	
+Aux Equipm Supplied	Batteries for RC (2xAA)
Packaging - width cm	
Packaging - height cm	
Packaging - depth cm	
<b>Miscellaneous</b>	
+EAN Indication	
+Approbation	CB,EMC,SAA
+Tests	
+Local Integration	
<b>Various Perf. Param.</b>	
+Service Call-Rate	
<b>PIP/POP</b>	
+Type	
+Features	
<b>Digital Reception</b>	
+Transmission	
<b>Built-in Data System</b>	
+Text Standard	
+(Tele)text Features	
+Nbr bckgrnd page / Mem Size	
+Text Technology	
+Digital Data handling	
+Program Guide	
<b>Built-in Clock/Timer</b>	
+Type	
+Features	
<b>Built-in Radio</b>	
+Type	
<b>Built-in PC display</b>	
+PC Synch	
+PC Control	
<b>Built-in DVD drive</b>	
+Type of Medium	
+Type of Deck	
<b>Phased Out Items</b>	
+Tuner/Frontend	
+Sensitivity	
+CRT EHT	
+Lightning Protection	
+Account	

<b>Date: 5-NOV-2004</b>	M68: 3290
<b>ProductView.....:</b>	
<b>Report by.....:</b>	
<b>Specs / Chassis</b>	
<b>+XX(Radio Antenna in)</b>	
<b>+Non Volatile Memory</b>	
<b>+In Y/C + Cinch(CVBS+Mo)</b>	
<b>Version of deck</b>	

Item No.	Description	Quantity Req.	Designator	Remarks
08-3290C5-AVY		1		
46-39136H-07X	7P 2468#24/1185#26 550 TJC3-7Y/SCN-7Y	1		P003D FOR M.BD P921
47-RCA152-XX0	RCA SOCKET AV-3.2-3WK-038	1	P941	
40-3290A5-FVB1X	P.C.B. FRONT AV BD	1		
63-W30100-AB4	S/T SCREW W 3 X 10 AB	3		
08-3290C5-CRY		1		
10-1N4004-EBX	DIODE 1N4004 (RECTIFIER)	1	D540	
11-0BF422-0BX	TRANSISTOR BF422 (NPN) 126	1	Q512	
11-0BF422-0BX	TRANSISTOR BF422 (NPN) 126	1	Q522	
11-0BF422-0BX	TRANSISTOR BF422 (NPN) 126	1	Q532	
11-0BF423-0BX	TRANSISTOR BF423 (PNP) 126	1	Q513	
11-0BF423-0BX	TRANSISTOR BF423 (PNP) 126	1	Q523	
11-0BF423-0BX	TRANSISTOR BF423 (PNP) 126	1	Q533	
11-SC4544-0AX	TRANSISTOR 2SC4544	1	Q511	
11-SC4544-0AX	TRANSISTOR 2SC4544	1	Q521	
11-SC4544-0AX	TRANSISTOR 2SC4544	1	Q531	
18-BE0152-KFX	RES C.C. 1.5K OHM 1/2W +/-10%	1	R541	
18-CD0102-JNX	RES. C.F. 1k OHM 1/4W +/-5%	1	R501	
18-CD0225-JNX	RES. C.F. 2.2M OHM 1/4W +/-5%	1	R540	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R518	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R526	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R528	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R536	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R538	
18-FE0102-JNX	RES. M.O. 1K OHM 1/2W +/-5%	1	R519	
18-FE0102-JNX	RES. M.O. 1K OHM 1/2W +/-5%	1	R529	
18-FE0102-JNX	RES. M.O. 1K OHM 1/2W +/-5%	1	R539	
18-FF0330-JGX	RES. M.O. 33 OHM 1W +/-5%	1	R505	
18-FG0153-JHX	RES. M.O. 15k OHM 2W +/-5%	1	R515	
18-FG0153-JHX	RES. M.O. 15k OHM 2W +/-5%	1	R525	
18-FG0153-JHX	RES. M.O. 15k OHM 2W +/-5%	1	R535	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R514	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R524	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R534	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R512	

Item No.	Description	Quantity Req.	Designator	Remarks
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R522	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R532	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R513	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R523	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R533	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R511	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R521	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R531	
19-BB0561-JTX	SMD. RES 560 OHM 1/10W +/-5%	1	R517	
19-BB0561-JTX	SMD. RES 560 OHM 1/10W +/-5%	1	R527	
19-BB0561-JTX	SMD. RES 560 OHM 1/10W +/-5%	1	R537	
25-BLA100-M1X	CAP. ELEC 10 UF 250V +/-20%	1	C540	
25-BLA220-M1X	CAP. ELEC 22 UF 250V +/-20%	1	C503	
26-AMK102-KRX	CAP. CER 1000 pF 2KV +/-10% R	1	C505	
27-AGQ333-J0X	CAP. M.PP 0.033 UF 250V +/-5%	1	C504	
28-BB0331-JCX	SMD. CAP 330PF 50V +/-5%	1	C511	
28-BB0331-JCX	SMD. CAP 330PF 50V +/-5%	1	C521	
28-BB0331-JCX	SMD. CAP 330PF 50V +/-5%	1	C531	
28-BL0102-KBX	SMD. CAP 1000pF 250V +/-10%	1	C512	
28-BL0102-KBX	SMD. CAP 1000pF 250V +/-10%	1	C522	
28-BL0102-KBX	SMD. CAP 1000pF 250V +/-10%	1	C532	
34-R100K2-1BX	COIL CHOKE 10 UH +/-10%	1	L501	
46-10967W-01X	PIN BASE *1 TJC1-1A	1	P504	
47-CRT011-XX0	CRT SOCKET GZS10-208(DR)	1	P500	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J503	
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R516	
18-CD0470-JNX	RES. C.F. 47 OHM 1/4W +/-5%	1	R502	
46-37033H-05X	HS 5P 2468#24 320 TJC3-5Y/SCN	1	P503	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D511	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D521	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D531	
46-31795H-04X	HS 550 TJC3-4Y/SCN-4Y 2(N)	1	P502	
08-3290C5-FCN		1		
02-GND032-XX0		1		
18-CD0106-JNX	RES. C.F. 10M OHM 1/4W +/-5%	1	R1	

Item No.	Description	Quantity Req.	Designator	Remarks
25-DFB109-M1X	CAP. ELEC 1 UF 50V +/-20% NP	1	C1	
25-DFB109-M1X	CAP. ELEC 1 UF 50V +/-20% NP	1	C2	
36-DEG340-XX0	DEGAUSSING COIL 3910MM	1		
36-ROT002-XX0	ROTARY COIL 600mm	1		
41-BF0450-0BB	WIRE UL1007#24 450 BLACK	1	FOR R1	
41-TF0270-9CC	WIRE UL 2468 #24 270MM RD WH	2		FOR HI-SPK - MI-SPK
42-12008H-XX1	SPEAKER 8 OHM 15W 120MM	1	SP601	
42-12008H-XX1	SPEAKER 8 OHM 15W 120MM	1	SP602	
42-G3508F-XX2	SPEAKER 8 OHM 8W	1	SP601A	
42-G3508F-XX2	SPEAKER 8 OHM 8W	1	SP602A	
44-32RFLS-LG1A	32 INCH 16:9 CRT W76QEP257X53	1	CRT01	
46-14026H-02X	HS 2P 2468#22 570mm S11-2Y/7mm	1		P601H FOR M.BD P601
46-27580H-02X	HS 2P22 600/7 TJC3-2Y	1		P602H FOR M.BD P602
46-35102H-03X	HS 2P 2468#22 200/5 TJC3-3Y	1		FOR VM BD P703
48-DAM002-XX0	DAMPTED SHAFT 2N-2	2		
48-LOC002-XX0	SW. DOOR LOCK PR5	1		
54-113970-0U0	PVC TUBE #5 L=ROLL	0.24		FOR P604 & P605
54-237930-0X0	HEAT SHRINKABLE TUBE 5*0.25	0.03	FOR R1	
54-237930-0X0	HEAT SHRINKABLE TUBE 5*0.25	0.06		FOR HI-SPEAKER
54-314740-0X0	CRT FIBRE SHEET (22mmX22mmX0.8mm)	12		FOR CRT & F. CAB.
54-314740-0X0	CRT FIBRE SHEET (22mmX22mmX0.8mm)	4		STICK BETWEEN CRT AND UNDERPROP
54-314740-0X0	CRT FIBRE SHEET (22mmX22mmX0.8mm)	8		FOR CRT & F.CAB
54-343300-0X0	HEAT SHRINKABLE TUBE 3 X 0.25	0.03		FOR R01
54-344960-000	WOOFER SPONGE (255mmX20mmX18mm)	2		
54-377380-000	SPONGE OF WOOFER FIXED POSITION	2		STICK ON WOOFER
55-326470-0HD	LEFT TOP CABINET (WOOFER)	1		
55-326480-0HD	RIGHT TOP CABINET (WOOFER)	1		
55-326490-0HD	BOTTON CABINET (WOOFER)	2		
55-3290FC-0CN1A	FRONT CABINET	1		
55-3290FD-0HN5C	FRONT DOOR	1		
56-301770-0HN5C	HOLDER DOOR	2		
56-326430-0HH1A	LENS	1		
56-3290FB-0HA5C	PUSH BUTTON	1		
56-3290LS-0HC5Z	LED - SENSOR	1		
56-3290PK-0HA5O	POWER KNOB	1		

Item No.	Description	Quantity Req.	Designator	Remarks
56-3290SL-0HN5C	SPEAKER GRILLE (LEFT)	1		
56-3290SR-0HN5C	SPEAKER GRILLE (RIGHT)	1		
57-10654X-00F	cable ties□(2.5mmX95mm)	1		FOR ROTATE COIL
57-10654X-00F	cable ties□(2.5mmX95mm)	2		FOR P601 & P602
57-10654X-00F	cable ties□(2.5mmX95mm)	4		
57-29635X-00F	cable ties□(4.8mmX160mm)	2		FOR DEGAUSSING
58-3290FI-2UI1A	INLAY FRONT CTL	1		
59-130460-00X	RUBBER PAD (25mmX7mm)	2		FOR FOOT
59-312950-000	RUBBER PAD	6		
62-200980-0UN	MOUNTING POST	2		STICK ON F.CAB
62-216340-0HA	HOLDER AC POWER CORD (2)	1		
62-227680-0UA	BRACKET ABS-KINGFA 606 (UO)	1		
62-265160-0HN	POWER SW. ADAPTOR	1		FOR POWER SWITCH
62-301750-0HN	RIGHT HOLDER(2)	1		
62-301760-0HN	LEFT HOLDER(2)	1		
62-321780-0HG	CRT COIL MTG 25"/29"	4		FOR CRT
62-326460-0HN	SPEAKER HOLDER	2		
63-B26080-AB4	S/T SCREW B 2.8 X 8 AB	4		MTG LENS-SENOR & LED TO FRONT CABINET
63-B26080-AB4	S/T SCREW B 2.8 X 8 AB	2		MTG VM BD
63-B30100-BT4	S/T SCREW B 3 X 10 BT	3		MTG PUSH BOTTON TO F.CAB
63-B40150-AB4	S/T SCREW B 4 X 15 AB	12		MTG TOP CAB.(WOOFER) TO BOTTOM CAB.(WOOFER)
63-B40150-AB4	S/T SCREW B 4 X 15 AB	8		MTG SPEAKER HOLDER TO TOP CAB. (WOOFER)
63-B40150-AB4	S/T SCREW B 4 X 15 AB	8		MTG SPEAKER TO TOP CAB.(WOOFER)
63-B40200-AB3	S/T SCREW B 4 X 20 AB	6		MTG SPEAKER HOLDER TO F.CAB
63-W30080-AB4	S/T SCREW W 3 X 8 AB	3		MTG KEY BD
63-W30120-AB4	S/T SCREW W 3 X 12 AB	4		MTG HI-SPEAKER TO F.CAB
63-Z60300-AB4	S/T SCREW HA 6X30	4		MTG CRT TO F.CAB
65-A50200-20E	WASHER 5 X 20 X 2MM	6		MTG SPEAKER HOLDER TO F.CAB
67-X21679-0E0	SPRING CRT 6mmX50mmX0.6mm	2		FOR CRT GROUNDING WIRE
67-X25045-0E0	SPRING KNOB	1		
65-A75200-20E	WASHER 7.5mmX20mmX2mm MTG CRT	4		MTG CRT TO F.CAB
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% BP	1		FOR SP601
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% BP	1		FOR SP602
08-3290C5-KEY		1		
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R023A	

Item No.	Description	Quantity Req.	Designator	Remarks
18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R024A	
18-CB0391-JNX	RES. C.F. 390 OHM 1/6W +/-5%	1	R025A	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R026A	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R028A	
18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R027A	
48-TAC001-XX0	TACT SWITCH	1	K002	
48-TAC001-XX0	TACT SWITCH	1	K003	
48-TAC001-XX0	TACT SWITCH	1	K004	
48-TAC001-XX0	TACT SWITCH	1	K005	
48-TAC001-XX0	TACT SWITCH	1	K006	
48-TAC001-XX0	TACT SWITCH	1	K007	
48-TAC001-XX0	TACT SWITCH	1	K008	
46-39161H-05X	HS 5P 2468#24 400mm TJC3-5Y/JC25-5Y	1	P001	
14-LED03R-XX1	LED RED Φ3MM FO203	1	D001	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R009	
18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R008	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C001	
40-3290A5-KEB1X	P.C.B. KEY BD	1		
02-IRR001-XX0	IR RECEIVER MODULE HS0038A2	1	IR001	
08-3290C5-PAN		1		
72-3290A5-E121A	OPERATION MANUAL	1		
75-3290LL-CC0	POLYFOAM (LL)	1		
75-3290LR-CC0	POLYFOAM (LR)	1		
75-3290UL-CC0	POLYFOAM (UL)	1		
75-3290UR-CC0	POLYFOAM (UR)	1		
76-H32A90-0AT	CARTON BOX	1		
08-3290C5-PSY		1		
10-0001H8-FBX	DIODE 1H8 (FAST RECOVERY)	1	D860	
10-0FR102-FBX	DIODE FR102 (1A/100V)	1	D865	
10-1N4007-EBX	DIODE 1N4007	1	D861	
10-1N4007-EBX	DIODE 1N4007	1	D862	
10-1N4007-EBX	DIODE 1N4007	1	D863	
10-1N4007-EBX	DIODE 1N4007	1	D864	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D867	
10-1N5819-FBX	DIODE 1N5819 (1A/40V)	1	D868	

Item No.	Description	Quantity Req.	Designator	Remarks
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q861	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R865	
18-CB0152-JNX	RES. C.F. 1.5k OHM 1/6W +/-5%	1	R892	
18-CB0152-JNX	RES. C.F. 1.5k OHM 1/6W +/-5%	1	R893	
18-CB0512-JNX	RES. C.F. 5.1k OHM 1/6W +/-5%	1	R864	
18-CB0753-JNX	RES. C.F. 75K OHM 1/6W +/-5%	1	R861	
18-CB0912-JNX	RES. C.F. 9.1K OHM 1/6W +/-5%	1	R863	
18-CD0105-JNX	RES. C.F. 1M OHM 1/4W +/-5%	1	R860	
18-CD0229-JNX	RES. C.F. 2.2 OHM 1/4W +/-5%	1	R862	
25-BCA471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	C868	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C864	
25-BMG220-M1X	CAP. ELEC 22UF 400V +/-20%	1	C861	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C862	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C867	
26-AIM103-KBX	CAP. CER 0.01UF 500V +/-10% B	1	C860	
26-EBP122-KBX	CAP. CER 1200pF 50V +/-10%	1	C865	
26-EBP471-JCX	CAP. CER 470PF 50V +/-5% CH	1	C863	
41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J861	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J860	
43-MITSH1-5DX	RELAY SMIT-SH-105PM	1	K860	
46-33079W-03X	PIN BASE *3 TJC3-3A	1	P861	
46-35184W-03X	PIN BASE *3 TJC1-3A	1	P860	
36-TRF165-AX0	TRANSFORMER CONV. BCK-1917	1	T860	
13-TEA152-0PP	IC TEA1520P	1	IC860	
34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L860	
34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L861	
18-CB0513-JNX	RES. C.F. 51k OHM 1/6W +/-5%	1	D866	
25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	1	C866	
26-APK102-ME4	CAP. CER 1000PF 400VAC +/-20% E	1	C894	
10-HS6V2B-DBX	DIODE 6V2 500mW	1	D890	
63-W30100-AB4	S/T SCREW W 3 X 10 AB	2		
40-3290SB-PWA1X	POWER PCB BD	1	PCB	
08-3290C5-PWY		1		
10-0001H8-FBX	DIODE 1H8 (FAST RECOVERY)	1	D810	
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D825	

Item No.	Description	Quantity Req.	Designator	Remarks
10-0RU4YX-F0X	DIODE RU4YX (FAST RECOVERY)	1	D806	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D811	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D821	
10-D3SB60-H7X	DIODE D3SB60 (BRIDGE RECT.)	1	DB801	
10-HS9V1C-DBX	DIODE 9V1 500mW	1	D828	
10-MUR460-F0X	DIODE MUR460 (FAST RECOVERY)	1	D805	
11-SK3451-0CX	TRANSISTOR 2SK3451-01MR	1	Q805	
13-DA1684-62P	IC TDA16846-2(Q67040-S4494)	1	IC801	
13-LM431A-CZT	IC LM431ACZ(TO-92)	1	IC803	
13-PC123Y-92P	PHOTOCOUPLER PC123Y92	1	IC800	
18-CB0100-JNX	RES. C.F. 10 OHM 1/6W +/-5%	1	R814	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R802	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R801	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R823	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R840	
18-CB0113-JNX	RES. C.F. 11K OHM 1/6W +/-5%	1	R819	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R822	
18-CB0223-JNX	RES. C.F. 22k OHM 1/6W +/-5%	1	R834	
18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R825	
18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R838	
18-CB0563-JNX	RES. C.F. 56K OHM 1/6W +/-5%	1	R818	
18-CB0822-JNX	RES. C.F. 8.2K OHM 1/6W +/-5%	1	R830	
18-CD0470-JNX	RES. C.F. 47 OHM 1/4W +/-5%	1	R823A	
18-FG0223-JHX	RES. M.O. 22K OHM 2W +/-5%	1	R817	
18-FG0333-JHX	RES. M.O. 33K OHM 2W +/-5%	1	R816	
18-KE0105-JNX	RES. H. VOLT. CC 1M OHM 1/2W	1	R813	
18-KE0105-JNX	RES. H. VOLT. CC 1M OHM 1/2W	1	R833	
18-KE0475-JNX	RES. H. VOLT. CC 4.7M OHM 1/2W	1	R811	
18-KF0825-JHX	RES. GLASS GLAZE 8.2M OHM 1W	1	R882	
22-NTC479-XX0	NTC 4.7 OHM +/-18% NTC4.7D2-14	1	R821	
22-PTC909-3A5	PTC 9 OHM	1	RT800	
22-VDR471-XX0	VARISTOR RESISTANCE MYG-14K300	1	VR803	
25-BCA222-M1X	CAP. ELEC 2200 UF 16V +/-20%	1	C846	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C845	
25-BDB100-M1X	CAP. ELEC 10 UF 25V +/-20%	1	C880	

Item No.	Description	Quantity Req.	Designator	Remarks
25-BDB470-M1X	CAP. ELEC 47 UF 25V +/-20%	1	C826	
25-GDA102-M1X	CAP ELEC 1000UF 25V +/-20% 105	1	C815	
26-ABC102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C848	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C817	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C837	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C842	
26-ABC104-ZFX	CAP. CER 0.1 UF 50V +80-20% F	1	C847	
26-ABC821-JZX	CAP. CER 820 PF 50V +/-5% SL	1	C854	
26-AGK103-KRX	CAP. CER 10 NF 250V +/-10%	1	C818	
26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C821	
26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C849	
26-AIM103-KBX	CAP. CER 0.01UF 500V +/-10% B	1	C824	
26-AMK182-KRX	CAP. CER 1800PF 2KV +/-10% R	1	C836	
26-AMK221-JZX	CAP. CER 220pF 2KV +/-5% SL	1	C820	
26-AMK221-JZX	CAP. CER 220pF 2KV +/-5% SL	1	C827	
26-APK102-MEX	CAP. CER 1000PF 400VAC +/-20%E	1	C882	
26-APK471-KBX	CAP. CER 470PF 400VAC +/-10% B	1	C835A	
26-APK471-KBX	CAP. CER 470PF 400VAC +/-10% B	1	C828A	
26-AQK472-ZFX	CAP. CER 4700PF 250VAC+80-20%F	1	C828	
26-AQK472-ZFX	CAP. CER 4700PF 250VAC+80-20%F	1	C835	
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C838	
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C843	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C856	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C857	
26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C830	
26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C855	
26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C833	
26-EBP331-JCX	CAP. CER 330PF 50V +/-5% CH	1	C858	
27-AQT224-MVH	CAP. M.PP 0.22 UF 275VAC 20%	1	C822	
27-MHW104-K0X	CAP. M.PE 0.1 UF 400V +/-10%	1	C823	
27-MQW683-M0X	CAP.M.PE 0.068UF 250VAC +/-20%	1	C825	
34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L800	
34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L804	
35-237250-00X	FERR. BEAD HF70 4.5X5.0	2		FOR D805
35-237250-00X	FERR. BEAD HF70 4.5X5.0	2		FOR D806

Item No.	Description	Quantity Req.	Designator	Remarks
35-237250-00X	FERR. BEAD HF70 4.5X5.0	2		FOR D825
36-LIF002-XX0	LINE FILTER 20mH	1	T800	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J809	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J815	
46-10962W-02X	PIN BASE *2 TJC2-2A	1	P803	
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P802	
50-02000D-NUU	FUSE 2A 250VAC	1	R883	
50-03000D-NUU	FUSE 3A 250VAC	1	R884	
66-20516X-0B0	FUSE HOLDER	2		FOR F800
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR DB801
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	3		FOR RT800
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	1		FOR Q805
66-343740-0B0	HOLLOW RIVET (2.3mmx4.0mmx3.5mm)	2		FOR C829
66-343740-0B0	HOLLOW RIVET (2.3mmx4.0mmx3.5mm)	2		FOR D806
66-343740-0B0	HOLLOW RIVET (2.3mmx4.0mmx3.5mm)	2		FOR D805
67-H38012-BA0	HEAT SINK	1		FOR Q805
18-CE0474-JNX	RES. C.F. 470K OHM 1/2W +/-5%	1	R816A	
36-TRF164-AX0	TRANSFORMER CONV. BCK-4925	1	T801	
46-35184W-03X	PIN BASE *3 TJC1-3A	1	S801	
46-30214H-03X	HS 3P24 200 TJC3-3Y/SCN-3Y	1	S809	
46-AA015T-03F	HS 3P 1617#22 150MM TJC1-3Y*2	1		FOR S801
64-P30080-104	M/C SCREW P 3 X 8	1		FOR Q805
50-031500-1GS	FUSE 3.15AT 250V	1	F800	
27-AQT224-MVH	CAP. M.PP 0.22 UF 275VAC 20%	1	C813	
36-LIF002-XX0	LINE FILTER 20mH	1	T802	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J823	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J1302	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J822	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J818	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J814	
41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	1	J816	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J820	
35-LB1005-0IX	FERR BEAD H75 (3.5X1X5)	1	L802	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J812	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J813	

Item No.	Description	Quantity Req.	Designator	Remarks
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J811	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J810	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J808	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J821	
41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	1	J805	
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	6		FOR T801
25-BMJ221-M1X	CAP. ELEC 220 UF 400V +/-20%	1	C829	
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR L800
18-FG0273-JHX	RES. M.O. 27K OHM 2W +/-5%	1	R877	
46-AA035F-02F01	HS 2P 1617#22 350MM TJC1-2Y*2	1		FOR P802
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J824	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J825	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J826	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J827	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	R824B	
41-WJ0135-B00	WIRE BARE JUMPER 13.5MM	1	J828	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C811	
18-CB0472-JNX	RES. C.F. 4.7k OHM 1/6W +/-5%	1	R812	
18-CB0273-JNX	RES. C.F. 27k OHM 1/6W +/-5%	1	R812A	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D803	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D808	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q804	
43-TSS112-DMX	RELAY POWER SMIT-SS-112DM 12V	1	D809	
35-LB1005-0IX	FERR BEAD H75 (3.5X1X5)	1	L805	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	D829	
18-RG0228-JHX	RES. WIRE ROUND 0.22 OHM 2W +/-5%	1	J817	
18-RG0228-JHX	RES. WIRE ROUND 0.22 OHM 2W +/-5%	1	R824	
18-DE0104-FNX	RES. M.F. 100K OHM 1/2W +/-1%	1	R800	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	D824	
25-BJG221-M1X	CAP. ELEC 220 UF 160V +/-20%	1	C814	
18-DB0183-FNX	RES. M.F. 18K OHM 1/6W +/-1%	1	R824A	
08-3290C5-RCN		1		
54-114000-00X	FELT TAPE (150mmX19mmX0.3mm)	13		STICK ON REAR CBINET
55-3290RC-0CN5F	REAR CABINET	1		
58-3290MP-0UI1A	PLATE MODEL NO.	1		

Item No.	Description	Quantity Req.	Designator	Remarks
58-413680-1UI1A	DVB INLAY	1		
58-CA41RI-3UI1A	INLAY REAR AV	1		
59-130460-00X	RUBBER PAD (25mmX7mm)	2		STICK ON REAR CAB.(FOOTING)
59-344420-000	RUBBER	4		
63-B30100-BT4	S/T SCREW B 3 X 10 BT	2		MTG SIDE AV BD & REAR CAB.
63-B40200-AB3	S/T SCREW B 4 X 20 AB	10		MTG REAR CABINET & FRONT CABINET
63-F30100-BT3	S/T SCREW F 3 X 10 BT (BLACK)	5		MTG RCA JACK & REAR CABINET
08-3290C5-ROY	ASS'Y - ROTATE PARTS	1		
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q1304	
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q1306	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q1301	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q1302	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q1303	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q1305	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R1302	
18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	1	R1306	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R1303	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R1305	
18-CB0822-JNX	RES. C.F. 8.2K OHM 1/6W +/-5%	1	R1307	
18-FG0100-JHX	RES. M.O. 10 OHM 2W +/-5%	1	R1301	
25-BDB101-M1X	CAP. ELEC 100 UF 25V +/-20%	1	C1301	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C1302	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C1303	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C1304	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P1301	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J1301	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R1304	
08-3290C5-SWY		1		
40-3290A5-SWA1X	P.C.B. SWITCH BD	1		
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P801	
48-POW001-AX0	SWITCH POWER	1	SW801	
51-JC0243-0PB01	POWER CORD	1		
63-W30100-AB4	S/T SCREW W 3 X 10 AB	4		
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P802	
08-3290C5-VMY		1		

Item No.	Description	Quantity Req.	Designator	Remarks
10-0BAV21-ABX	DIODE BAV21 (SW)	1	D706	
10-0BAV21-ABX	DIODE BAV21 (SW)	1	D707	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D702	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D703	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D704	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D705	
10-HS5V1B-DBX	DIODE 500mW 5.1HSB	1	D701	
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q706	
11-SA1837-0AX	TRANSISTOR 2SA1837	1	Q707	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q701	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q702	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q703	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q704	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q705	
11-SC4793-0AX	STANSISTOR 2SC4793	1	Q708	
18-CB0100-JNX	RES. C.F. 10 OHM 1/6W +/-5%	1	R713	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R701	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R707	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R703	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R704	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R702	
18-CB0122-JNX	RES. C.F. 1.2k OHM 1/6W +/-5%	1	R718	
18-CB0123-JNX	RES. C.F. 12k OHM 1/6W +/-5%	1	R722	
18-CB0151-JNX	RES. C.F. 150 OHM 1/6W +/-5%	1	R706	
18-CB0152-JNX	RES. C.F. 1.5k OHM 1/6W +/-5%	1	R717	
18-CB0152-JNX	RES. C.F. 1.5k OHM 1/6W +/-5%	1	R724	
18-CB0220-JNX	RES. C.F. 22 OHM 1/6W +/-5%	1	R714	
18-CB0220-JNX	RES. C.F. 22 OHM 1/6W +/-5%	1	R715	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R712	
18-CB0222-JNX	RES. C.F. 2.2k OHM 1/6W +/-5%	1	R725	
18-CB0223-JNX	RES. C.F. 22k OHM 1/6W +/-5%	1	R710	
18-CB0273-JNX	RES. C.F. 27k OHM 1/6W +/-5%	1	R709	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R705	
18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R708	
18-CB0682-JNX	RES. C.F. 6.8K OHM 1/6W +/-5%	1	R711	

Item No.	Description	Quantity Req.	Designator	Remarks
18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R721	
18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R723	
18-CD0279-JNX	RES. C.F. 2.7 OHM 1/4W +/-5%	1	R720	
18-CD0279-JNX	RES. C.F. 2.7 OHM 1/4W +/-5%	1	R727	
18-CD0560-JNX	RES. C.F. 56 OHM 1/4W +/-5%	1	R719	
18-CD0560-JNX	RES. C.F. 56 OHM 1/4W +/-5%	1	R726	
18-FF0331-JGX	RES. M.O. 330 OHM 1W +/-5%	1	R716	
18-FG0101-JHX	RES. M.O. 100 OHM 2W +/-5%	1	R728	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C711	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C703	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C702	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C705	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C712	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C704	
25-BJA100-M1X	CAP. ELEC 10 UF 160V +/-20%	1	C710	
25-BJA100-M1X	CAP. ELEC 10 UF 160V +/-20%	1	C713	
26-AIC472-KBX	CAP. CER 4700 PF 500V +/-10% B	1	C707	
26-AIC472-KBX	CAP. CER 4700 PF 500V +/-10% B	1	C709	
26-AIC560-JZX	CAP. CER 56 PF 500V +/-5% SL	1	C714	
26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C706	
26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C708	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C701	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L701A	
35-LB1005-0IX	FERR BEAD H75 (3.5X1X5)	1	L702	
35-LB1005-0IX	FERR BEAD H75 (3.5X1X5)	1	L703	
35-LB1005-0IX	FERR BEAD H75 (3.5X1X5)	1	L704	
40-HD297P-VME	P.C.B. VM BD	1		
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J703	
46-32537H-03X	HS 3P24 400MM TJC3-3Y/SCN-3Y	1		P701A FOR M.BD S701
46-33079W-03X	PIN BASE *3 TJC3-3A	1		P703 FOR CRT VM
64-B30080-104	M/C SCREW B 3 X 8	2		FOR Q707 & Q708
67-H34464-1A0	HEAT SINK (H=40MM)	2		FOR Q707 & Q708
46-33624H-04X	HS 3P 2468#24 270 TJC3-4Y/SCN-4Y	1	P702	
08-3290C5-SCY		1		
10-0BY228-F0X	DIODE BY228	1	D401	

Item No.	Description	Quantity Req.	Designator	Remarks
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D400	
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D402	
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D403	
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D405	
10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	1	D406	
10-0FR105-FBX	DIODE FR105 (FAST RECOVERY)	1	D404	
10-1N4001-EBX	DIODE 1N4001 (RECTIFIER)	1	D309	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D300	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D305	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D307	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D308	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D600	
10-79C2V4-DBX	DIODE ZENER 2V4 1/2W 5%	1	D304	
10-79C3V9-DBX	DIODE ZENER 3V9 1/2W 5%	1	D306	
10-79C5V1-DBX	DIODE ZENER 5V1 1/2W 5%	1	D303	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D408	
11-630MFP-0AX	TRANSISTOR IRF630MFP	1	Q407	
11-DD3402-0AX	TRANSISTOR 3DD3402	1	Q405	
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q600	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q602	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q603	
13-0TDA81-77S	IC TDA8177	1	IC300	
13-DA7266-SAS	IC TDA7266SA	1	IC600	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R314	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R316	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R429	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R603	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R604	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R605	
18-CB0122-JNX	RES. C.F. 1.2k OHM 1/6W +/-5%	1	R300	
18-CB0222-JNX	RES. C.F. 2.2k OHM 1/6W +/-5%	1	R350	
18-CB0302-JNX	RES. C.F. 3K OHM 1/6W +/-5%	1	R600	
18-CB0302-JNX	RES. C.F. 3K OHM 1/6W +/-5%	1	R606	
18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	R424	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R406	

Item No.	Description	Quantity Req.	Designator	Remarks
18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R607	
18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R614	
18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R418	
18-CD0222-JNX	RES. C.F. 2.2K OHM 1/4W +/-5%	1	R315	
18-CD0222-JNX	RES. C.F. 2.2K OHM 1/4W +/-5%	1	R411	
18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R426	
18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R427	
18-EG0478-JHX	RES. FUS. 0.47 OHM 2W +/-5%	1	R423	
18-FE0472-JNX	RES. M.O. 4.7K OHM 1/2W +/-5%	1	R425	
18-FG0129-JHX	RES. M.O. 1.2 OHM 2W +/-5%	1	R321	
18-FG0181-JHX	RES. M.O. 180 OHM 2W +/-5%	1	R324	
18-FG0399-JHX	RES. M.O. 3.9 OHM 2W +/-5%	1	R420	
18-FG0681-JHX	RES. M.O. 680 OHM 2W +/-5%	1	R401	
18-RF0109-JGX	RES. WIRE ROUND 1 OHM 1W +/-5%	1	R313	
18-RG0228-JHX	RES. WIRE ROUND 0.22 OHM 2W +/-5%	1	R601	
25-264610-M1X	CAP. ELEC 4.7UF 50V +/-20% NP	1	C412	
25-BCB228-M1X	CAP. ELEC 0.22 UF 16V +/-20%	1	C601	
25-BCB228-M1X	CAP. ELEC 0.22 UF 16V +/-20%	1	C606A	
25-BDA471-M1X	CAP. ELEC 470 UF 25V +/-20%	1	C623	
25-BDB470-M1X	CAP. ELEC 47 UF 25V +/-20%	1	C307	
25-BDB101-M1X	CAP. ELEC 100 UF 25V +/-20%	1	C324	
25-BDB101-M1X	CAP. ELEC 100 UF 25V +/-20%	1	C605	
25-BDB221-M1X	CAP. ELEC 220 UF 25V +/-20%	1	C308	
25-BEA102-M1X	CAP. ELEC 1000 UF 35V +/-20%	1	C415	
25-BEA102-M1X	CAP. ELEC 1000 UF 35V +/-20%	1	C416	
25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	1	C323	
25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	1	C360	
25-BFB101-M1X	CAP. ELEC 100 UF 50V +/-20%	1	C300	
25-BFB479-M1X	CAP. ELEC 4.7 UF 50V +/-20%	1	C313	
25-BFB479-M1X	CAP. ELEC 4.7 UF 50V +/-20%	1	C417	
25-BLA220-M1X	CAP. ELEC 22 UF 250V +/-20%	1	C400	
26-AIC102-KBX	CAP. CER 1000 PF 500V +/-10% B	1	C404	
26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C401	
26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C418	
26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C419	

Item No.	Description	Quantity Req.	Designator	Remarks
26-AIC222-KBX	CAP. CER 2200 PF 500V +/-10% B	1	C420	
26-AIC391-KBX	CAP. CER 390 PF 500V +/-10% B	1	C403	
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C337	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C407	
26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C604	
26-EBP152-KBX	CAP. CER 1500pF 50V +/-10% B	1	C350	
26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C351	
27-ALQ432-J0X	CAP. M.PP 4300 PF 1.6KV +/-5%	1	C413	
27-ALR272-J0X	CAP. M.PP 2700 PF 1.6KV +/-5%	1	C408	
27-ALR722-J0X	CAP. M.PP 7200 PF 1.6KV +/-5%	1	C410	
27-MBC222-J0X	CAP. M.P.E 0.0022UF 63V +/-5%	1	C334	
27-MBC224-J0X	CAP. M.P.E 0.22UF 63V +/-5%	1	C602	
27-MBC224-J0X	CAP. M.P.E 0.22UF 63V +/-5%	1	C603	
27-MBC334-J0X	CAP. M.P.E 0.33UF 63V +/-5%	1	C325	
27-MCC104-J0X	CAP. M.P.E 0.1UF 100V +/-5%	1	C421	
27-PBC102-J0X	CAP. P.E 0.001UF 63V +/-5%	1	C600	
27-PBC102-J0X	CAP. P.E 0.001UF 63V +/-5%	1	C606	
27-RHQ223-J0X	CAP. PP 0.022 UF 400V +/-5%	1	C411	
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L401	
36-WID801-XX1	COIL WIDTH 800 UH	1	L403	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J301	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J406	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J605	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J307	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J612	
41-WJ0070-B00	WIRE BARE JUMPER 7MM	1	J608	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J308	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J402	
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J305	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J302	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J303	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J311	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J312	
41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	JP401	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J309	

Item No.	Description	Quantity Req.	Designator	Remarks
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J310	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	R323	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J408	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J604	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J607	
41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J403	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	L402	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J313	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J606	
46-20598W-04X	PIN BASE *4 TJC1-4A	1		FOR P411
46-33079W-02X	PIN BASE *2 TJC3-2A	1	S407	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P407	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P600	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P601	
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P403	
46-37034H-06X	HS 6P 2468#24 200 TJC3-6Y/SCN	1		FOR S406 TO P406
46-CD005T-04J	HS 4P 2468#24 50MM TJC3-4Y/TJC3-4Y	1		FOR S405 TO P405
46-CD005T-05J	HS 5P 2468#24 50MM TJC3-4Y/TJC3-4Y	1		FOR S603 TO P603
63-B30100-AB3	S/T SCREW B 3 X 10 AB	1		FOR Q407
64-B30100-104	M/C SCREW B 3 X 10	2		FOR IC600
64-P30080-104	M/C SCREW P 3 X 8	1		FOR IC300
64-P30080-104	M/C SCREW P 3 X 8	1		FOR Q405
65-Z30050-23M	NUT M 3	1		FOR IC300
65-Z30050-23M	NUT M 3	1		FOR Q405
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR L400
66-343740-0B0	HOLLOW RIVET (2.3mmx4.0mmx3.5mm)	4		FOR P411
67-H30147-0A0	HEAT SINK FOR HORIZ (2501/2909	1		FOR Q405
67-H30179-7A0	HEAT SINK	1		FOR IC300
67-H40390-3A0	HEAT SINK FIVE	1		FOR IC600
67-H40067-2A0	STANDARD HEAT SINK	1		FOR Q407
67-M40068-1E4	CRT BRACKET	1		FOR Q407
27-MCC104-J0X	CAP. M.P.E 0.1UF 100V +/-5%	1	C342	
27-AGQ224-J0X	CAP. M.PP 0.22 UF 250V +/-5%	1	C414	
10-79C24V-DBX	DIODE ZENER 24V 1/2W 5%	1	D280	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D281	

Item No.	Description	Quantity Req.	Designator	Remarks
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D606	
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q280	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q401	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q281	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R600A	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R606A	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R285	
18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R281	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R615	
18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	1	R284	
25-BJG221-M1X	CAP. ELEC 220 UF 160V +/-20%	1	C806	
26-EBP472-KBX	CAP. CER 4700PF 50V +/-10% B	1	C422	
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P401	
18-CB0512-JNX	RES. C.F. 5.1k OHM 1/6W +/-5%	1	R428	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J401	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J1303	
40-3290E5-LSA1X	P.C.B. SCRAT BD	1		
11-0BC639-0BX	TRANSISTOR BC639	1	Q402	
37-FDA002-FBA1A	FBT BSC29-0185X	1	T402	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R282	
36-LIN500-XX2	COIL LINEARITY LHX-50B-TCL	1	L400	
18-CB0563-JNX	RES. C.F. 56K OHM 1/6W +/-5%	1	R602	
25-BFB479-M1X	CAP. ELEC 4.7 UF 50V +/-20%	1	C607	
67-M41117-0E4	BRACKET	1		FOR IC600
18-CD0473-JNX	RES. C.F. 47K OHM 1/4W +/-5%	1	R419	
18-FF0154-JGX	RES. M.O. 150K OHM 1W +/-5%	1	R435	
18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R442A	
18-FF0229-JGX	RES. M.O. 2.2 OHM 1W +/-5%	1	R422	
63-W30100-AB4	S/T SCREW W 3 X 10 AB	3		MTG MAIN BD TO MAIN BD BRACKET
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R283	
25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	1	C403A	
18-CD0220-JNX	RES. C.F. 22 OHM 1/4W +/-5%	1	R410	
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	1		FOR Q405
25-BLA479-M1X	CAP. ELEC 4.7 UF 250V +/-20%	1	C409	
08-3290C5-SMY		1		

Item No.	Description	Quantity Req.	Designator	Remarks
07-389FI5-NB1	TUNER	1	TU100	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D006	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D007	
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D100	
10-79C2V4-DBX	DIODE ZENER 2V4 1/2W 5%	1	D004	
10-79C33V-DBX	DIODE ZENER 33V 1/2W 5%	1	D102	
10-79C3V9-DBX	DIODE ZENER 3V9 1/2W 5%	1	D003	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D204	
11-0BC327-CBX	TRANSISTOR BC327-40	1	Q201	
11-0BC327-CBX	TRANSISTOR BC327-40	1	Q202	
11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q204	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q002	
11-SC3779-DBX	TRANSISTOR 2SC3779D (RF AMPL)	1	Q101	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q200	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q203	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q287	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q900	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	Q901	
12-BSH103-0BX	MOS TRANSISTOR BSH103	1	Q288	
12-BSH103-0BX	MOS TRANSISTOR BSH103	1	Q289	
13-00M24C-16P	IC 16K EEPROM M24C16 (WRITE)	1	IC001	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R025	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R026	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R036	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R207	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R208	
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R209	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R022	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R202	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R203	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R215	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R030	
18-CB0181-JNX	RES. C.F. 180 OHM 1/6W +/-5%	1	R014	
18-CB0222-JNX	RES. C.F. 2.2k OHM 1/6W +/-5%	1	R033	
18-CB0393-JNX	RES. C.F. 39K OHM 1/6W +/-5%	1	R206	

Item No.	Description	Quantity Req.	Designator	Remarks
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R285	
18-CB0472-JNX	RES. C.F. 4.7k OHM 1/6W +/-5%	1	R211	
18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R205	
18-CB0363-JNX	RES. C.F. 36K OHM 1/6W +/-5%	1	R200	
18-CB0750-JNX	RES. C.F. 75 OHM 1/6W +/-5%	1	R910	
18-FF0109-JGX	RES. M.O. 1 OHM 1W +/-5%	1	R213	
18-FF0109-JGX	RES. M.O. 1 OHM 1W +/-5%	1	R213A	
18-FG0100-JHX	RES. M.O. 10 OHM 2W +/-5%	1	R015	
18-FG0100-JHX	RES. M.O. 10 OHM 2W +/-5%	1	R059	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	J230	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	JP107	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	JP110	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	JP112	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	JP113	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R010	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R024	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R031	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R034	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R222	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R230	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R231	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R232	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R919	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R920	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R926	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R927	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R928	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R929	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R932	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R039	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R204	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R220	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R908	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R908A	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R915	

Item No.	Description	Quantity Req.	Designator	Remarks
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R916	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R962	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R963	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R018	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R221	
19-BB0104-JTX	SMD. RES 100k OHM 1/10W +/-5% 0805	1	R902	
19-BB0104-JTX	SMD. RES 100k OHM 1/10W +/-5% 0805	1	R903	
19-BB0123-JTX	SMD. RES 12k OHM 1/10W +/-5%	1	R210	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R115	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R117	
19-BB0153-JTX	SMD. RES 15k OHM 1/10W +/-5%	1	R040	
19-BB0182-JTX	SMD. RES 1.8k OHM 1/10W +/-5%	1	R223	
19-BB0183-JTX	SMD. RES 18k OHM 1/10W +/-5%	1	R271	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R118	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R219	
19-BB0222-JTX	SMD. RES 2.2k OHM 1/10W +/-5%	1	R224	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R281	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R904	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R905	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R027	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R029	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R212	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R213B	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R270	
19-BB0391-JTX	RES. SMD 390 OHM 1/10W +/-5%	1	R214	
19-BB0393-JTX	SMD. RES 39k OHM 1/10W +/-5%	1	R103	
19-BB0203-JTX	SMD. RES 20k OHM 1/10W +/-5%	1	R201	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R211A	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R225	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R229	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R900	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R901	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R913	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R914	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R960	

Item No.	Description	Quantity Req.	Designator	Remarks
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R961	
19-BB0510-JTX	RES.SMD 51 OHM 1/10W +/-5% 0805	1	R114	
19-BB0562-JTX	SMD. RES 5.6k OHM 1/10W +/-5%	1	R023	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R116	
19-BB0683-JTX	SMD. RES 68k OHM 1/10W +/-5%	1	R100	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R906	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R917	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R918	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R921	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R922	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R923	
19-BB0820-JTX	RES. SMD 82 OHM 1/10W +/-5%	1	R924	
19-BB0820-JTX	RES. SMD 82 OHM 1/10W +/-5%	1	R925	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C103	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C223	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C019	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C200	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C208	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C212	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C219	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C225	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C227	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C241	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C250	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C904	
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C905	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C006	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C010	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C013	
25-BCB330-M1X	CAP. ELEC 33 UF 16V +/-20%	1	C253	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C024	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C240	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C262	
25-BDB470-M1X	CAP. ELEC 47 UF 25V +/-20%	1	C258A	
25-BFB100-M1X	CAP. ELEC 10 UF 50V +/-20%	1	C100	

Item No.	Description	Quantity Req.	Designator	Remarks
25-BFB108-M1X	CAP. ELEC 0.1 UF 50V +/-20%	1	C231	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C234	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C239	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C911	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C918	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C025	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C203	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C234A	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C236	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C237	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C908	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C909	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C917	
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C919	
25-BFB470-M1X	CAP. ELEC 47 UF 50V +/-20%	1	C105	
25-GFB229-K1X	CAP. ELEC 2.2UF 50V +/-10%	1	C215	
27-MBC154-J0X	CAP. M.P.E. 0.15UF 63V +/-5%	1	C206	
27-MBC224-J0X	CAP. M.P.E 0.22UF 63V +/-5%	1	C022	
27-MBC224-J0X	CAP. M.P.E 0.22UF 63V +/-5%	1	C028	
28-BB0100-JCX	SMD. CAP 10 PF 50V +/-5%	1	C922	
28-BB0100-JCX	SMD. CAP 10 PF 50V +/-5%	1	C923	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C101	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C101A	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C902	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C903	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C906	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C907	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C910	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C912	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C914	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C915	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C920	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C926	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C927	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C928	

Item No.	Description	Quantity Req.	Designator	Remarks
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C929	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C930	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C960	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C961	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C207	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C209	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C213	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C004	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C018	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C102	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C107	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C109	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C110	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C216	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C217	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C218	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C222	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C224	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C226	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C229	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C235	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C242	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C247A	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C248	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C249	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C251	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C258	
28-BB0222-KBX	SMD. CAP 2200PF 50V +/-10%	1	C252	
28-BB0222-KBX	SMD. CAP 2200PF 50V +/-10%	1	C270	
28-BB0223-KBX	SMD. CAP 0.022 UF 50V +/-10%	1	C281	
28-BB0223-ZFX	SMD. CAP 0.022UF 50V +80%-20%	1	C205	
28-BB0223-ZFX	SMD. CAP 0.022UF 50V +80%-20%	1	C210	
28-BB0223-ZFX	SMD. CAP 0.022UF 50V +80%-20%	1	C232	
28-BB0223-ZFX	SMD. CAP 0.022UF 50V +80%-20%	1	C233	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C023	

Item No.	Description	Quantity Req.	Designator	Remarks
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C201	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C211	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C246	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C255	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C256	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C260	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C261	
28-BB0472-KBX	SMD. CAP 4700PF 50V +/-10%	1	C230	
28-BB0682-KBX	SMD. CAP 6800 pF 50V +/-10%	1	C214	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L001	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L002	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L003	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L004	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L101	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L200	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L203	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L204	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L205	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L206	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L207	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L208	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L209	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L210	
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L102	
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L201	
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L202	
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L211	
41-WJ0055-B00	WIRE BARE JUMPER 5.5 MM	1	J902	
41-WJ0055-B00	WIRE BARE JUMPER 5.5 MM	1	J903	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J227	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J920	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J107	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J109	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J111	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J221	

Item No.	Description	Quantity Req.	Designator	Remarks
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J210	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J223	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J232	
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J219	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J104	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J222	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J229	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J236	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J248	
41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J904	
41-WJ0095-B00	WIRE BARE JUMPER 9.5MM	1	J224	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J108	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J201	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J202	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J218	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J220	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J913	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J914	
41-WJ0110-B00	WIRE BARE JUMPER 11MM	1	J228	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J204	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J206	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J240	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J254	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J919	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J922	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J923	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J924	
41-WJ0130-B00	WIRE BARE JUMPER 13MM	1	J238	
41-WJ0135-B00	WIRE BARE JUMPER 13.5MM	1	J205	
41-WJ0145-B00	WIRE BARE JUMPER 14.5MM	1	J237	
41-WJ0145-B00	WIRE BARE JUMPER 14.5MM	1	J912	
41-WJ0145-B00	WIRE BARE JUMPER 14.5MM	1	J915	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J226	
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J250	
41-WJ0155-B00	WIRE BARE JUMPER 15.5MM	1	J906	

Item No.	Description	Quantity Req.	Designator	Remarks
41-WJ0160-B00	WIRE BARE JUMPER 16MM	1	J247	
41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J907	
41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J908	
41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J909	
41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J910	
41-WJ0170-B00	WIRE BARE JUMPER 17MM	1	J211	
41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	1	J105	
41-WJ0185-B00	WIRE BARE JUMPER 18.5MM	1	J253	
41-WJ0185-B00	WIRE BARE JUMPER 18.5MM	1	J911	
41-WJ0195-B00	WIRE BARE JUMPER 19.5MM	1	J249	
45-OSC24M-5N0	CRYSTAL 24.576 MHZ	1	Z200	
45-SAWK39-53D	S.A.W B39389-K3953-D100	1	Z100	
45-SAWK94-53D	S.A.W B39389-K9453-D100	1	Z101	
46-33079W-03X	PIN BASE *3 TJC3-3A	1	P201	
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P003	
46-33079W-06X	PIN BASE *6 TJC3-6A	1	P810	
46-33079W-07X	PIN BASE *7 TJC3-7A	1	P200	
47-RCA023-XX1	RCA JACK 3PV YEL WHI RED/SW	1	P900	
47-RCA023-XX1	RCA JACK 3PV YEL WHI RED/SW	1	P901	
47-RCA023-XX1	RCA JACK 3PV YEL WHI RED/SW	1	P902	
47-RCA089-XX0	RCA SOCKET AV-3.2-3LK-N2	1	P904	
47-SVI002-XX0	Y/C SOCKET VERTICAL TYPE	1	P903	
62-410390-0UN	SCART BRACKET	1		
62-411300-0UN	BRACKET	1		
19-BB0184-JTX	SMD. RES 180k OHM 1/10W +/-5%	1	R235	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	Q207	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	Q206	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	Q205	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R233	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R234	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R236	
13-PI2011-HDB01	IC TDA12011H/N1D01	1	IC200	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D900	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D901	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D902	

Item No.	Description	Quantity Req.	Designator	Remarks
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D903	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D904	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D905	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D906	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D907	
18-CB0474-JNX	RES. C.F. 470k OHM 1/6W +/-5%	1	R226	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R228	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R009	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R011	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R911	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R907	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R909	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R101	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R227	
19-BB0390-JTX	SMD. RES 39 OHM 1/10W +/-5% 0805	1	R104	
19-BB0390-JTX	SMD. RES 39 OHM 1/10W +/-5% 0805	1	R109	
19-BB0390-JTX	SMD. RES 39 OHM 1/10W +/-5% 0805	1	R218	
18-CB0394-JNX	RES. C.F. 390K OHM 1/6W +/-5%	1	J927	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C008	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C011	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C012	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C106	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C108	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C007	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C017	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J255	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J916	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J917	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J918	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J921	
46-CD005T-06J	HS 6P 2468#24 50MM TJC3-6Y/TJC3-6Y	1		FOR S801 TO P801
64-P30080-104	M/C SCREW P 3 X 8	1		FOR Q080
67-H10918-4M2	HEAT SINK	1		FOR Q080
46-10967W-01X	PIN BASE *1 TJC1-1A	1	G1	
10-79C5V6-DBX	DIODE ZENER 5V6 1/2W 5%	1	D080	

Item No.	Description	Quantity Req.	Designator	Remarks
11-2SD882-0AX	TRANSISTOR 2SD882-P (NPN)	1	Q080	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R030A	
28-BB0223-ZFX	SMD. CAP 0.022UF 50V +80%-20%	1	C271	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L220	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L221	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L222	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L223	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L224	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L226	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L227	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L228	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L229	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L230	
33-ELN601-NTX	CHIP BEAD HB-1T2012-601 2012	1	L231	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J209	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J207	
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J208	
41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J260	
46-33079W-05X	PIN BASE *5 TJC3-5A	1	P001	
46-33079W-05X	PIN BASE *5 TJC3-5A	1	P603	
46-33079W-06X	PIN BASE *6 TJC3-6A	1	P406	
19-BB0224-JTX	SMD. RES 220K 1/10W +/-5%	1	R260	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R261	
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R262	
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J929	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J928	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J112	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J113	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J215	
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J256	
40-00UOC3-MAB1X	P.C.B. MAIN PCB BD	1		
41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	R012	
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P405	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J217	
63-W30100-AB4	S/T SCREW W 3 X 10 AB	6		

Item No.	Description	Quantity Req.	Designator	Remarks
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R049	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	J925	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	J212	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J926	
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J216	
46-33079W-05X	PIN BASE *5 TJC3-5A	1	P202	
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R110	
28-BB0330-JCX	SMD. CAP 33PF 50V +/-5%	1	C026	
28-BB0330-JCX	SMD. CAP 33PF 50V +/-5%	1	C027	
08-02975T-DPY	ASS'Y - DPC BD	1		
27-MHM104-K0X	CAP. METAL P.E. 0.1UF 400V 10%	1	C1502	
27-MHM104-K0X	CAP. METAL P.E. 0.1UF 400V 10%	1	C1503	
27-MHM104-K0X	CAP. METAL P.E. 0.1UF 400V 10%	1	C1504	
27-MHM104-K0X	CAP. METAL P.E. 0.1UF 400V 10%	1	C1505	
27-RHQ563-J0X	CAP. PP 0.056 UF 400V +/-5%	1	C1501	
36-WID242-XX1	COIL CHOKE 2.4 MH	1	L1502	
36-WID920-XX1	COIL WIDTH 92 UH	1	L1501	
40-2975MT-DPA	P.C.B. DPC BD	1		
41-BF0220-3BB	WIRE UL 1007 #24 220MM ORG.	1		FOR"A" TO "A2"(M.BD)
41-BF0220-8BB	WIRE UL 1007 #24 220MM GREY	1		FOR"B" TO "A1"(M.BD)
41-BF0220-9BB	WIRE UL 1007 #24 220MM WHITE	1		FOR"C" TO "A4"(M.BD)
54-128700-0X0	FIBRE WASHER 3.3 X 10 X 0.8	1		
64-B30100-104	M/C SCREW B 3 X 10	1		MTG DPC BD & H.SINK(IC301)
65-Z30050-23M	NUT M 3	1		
06-0R1935-J025X		1		
11-0BC337-0BX	TRANSISTOR (NPN) BC337-40	1	Q1401	
13-18L901-SCB	IC MX18L901SC	1	IC1401	
14-IRE05B-XX0	IR EMITTING DIODE TSAL6200	1	D1401	
18-CB0222-JNX	RES. C.F. 2.2k OHM 1/6W +/-5%	1	R1402	
18-CB0279-JNX	RES. C.F. 2.7 OHM 1/6W +/-5%	1	R1403	
18-CB0472-JNX	RES. C.F. 4.7k OHM 1/6W +/-5%	1	R1401	
26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C1405	
26-EBP200-JCX	CAP. CER 20 pF 50V +/-5%	1	C1403	
26-EBP200-JCX	CAP. CER 20 pF 50V +/-5%	1	C1404	
26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C1401	

Item No.	Description	Quantity Req.	Designator	Remarks
26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C1402	
40-00NU21-RMB	P.C.B. REMOTE HANDSET BD	1		
45-COS455-KY2	CER RESONATOR 455kHz	1	X1401	
45-OSC32K-7Y0	CRYSTAL 32.768KHZ	1	X1402	
49-HS36Q0-00X1A	RUBBER PAD KEYS	1		
55-HS36QB-0HA1A	LOWER CASE - REMOTE HANDSET	1		
55-HS36QD-0HA1A	BATT. DOOR - REMOTE HANDSET	1		
55-HS36QT-0HA1A	UPPER CASE - REMOTE HANDSET	1		
56-399030-0HC5Z	REMOTE HANDSET LENS	1		
58-HS36Q0-2UI1A	INLAY REMOTE HANDSET	1		
67-X38066-0E2	BATTERY SPRING (-)	1		
74-007026-60C	POLYBAG (70mmX260mmX0.06mm)	1		
67-X41513-0E2	SPRING	1		
67-X41512-0E2	SPRING	1		

## **TCL M68 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 CAPS key on the remote handset.

After the factory mode was entered,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 "model" 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 "BUS OPEN" key. It can cut off the I<sup>2</sup>C 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 8&9" 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	Key 2 (Vertical geometry for PAL system)	5VPOS(45) 5VAM(50) 5VSL(39) 5VL(30) 5VSC(31) 5SCL(25) 5WBF(4)  5WBR(5)	Input a PAL cross hatch pattern.	● Adjust 5VPOS for vertical position ● Adjust 5VAM for vertical amplitude. ● Adjust 5VSL for vertical slope. ● Adjust 5VL for vertical linearity ● (Normally use default value) ● Adjust 5SCL for vertical S-correction ● Adjust 5WBR for start of blanking time on 4:3 mode (16:9tube) ● Adjust 5WBF for end of blanking time on 4:3 mode (16:9tube)

4	Key 2 (Vertical geometry for NTSC system)	6VPOS(52) 6VAM(57) 6VSL(37) 6VL(32) 6VSC(31) 6SCL(32) 6WBR(5)  6WBF(2)	Input a NTSC cross hatch pattern.	<ul style="list-style-type: none"> <li>● Adjust 6VPOS for vertical position</li> <li>● Adjust 6VAM for vertical amplitude.</li> <li>● Adjust 6VSL for vertical slope.</li> <li>● Adjust 6VL for vertical linearity</li> <li>● (Normally use default value)</li> <li>● Adjust 6SCL for vertical S-correction</li> <li>● Adjust 6WBR for start of blanking time on 4:3 mode (16:9tube)</li> <li>● Adjust 6WBF for end of blanking time on 4:3 mode(16:9tube)</li> </ul>
5	Key 3 (Horizontal geometry for PAL system)	5HSH(39) 5PAR(32) 5BOW(33) 5EWW(55) 5EWP(9) 5UCR(25) 5LCR(39) 5EWT(27)	Input a PAL cross hatch pattern with black and white background.	<ul style="list-style-type: none"> <li>● Adjust 5HSH for horizontal position.</li> <li>● Adjust 5PAR (parallilogram), 5BOW, 5EWP (parabola width), 5UCR (upper corner), 5LCR (lower corner) and 5EWT (trapezium) until the vertical line at left and right side of the picture become straight.</li> <li>● Adjust 5EWW for horizontal width.</li> </ul>
6	Key 3 (Horizontal geometry for NTSC system)	6HSH(51) 6PAR(37) 6BOW(34) 6EWW(55) 6EWP(12) 6UCR(39) 6LCR(43) 6EWT(29)	Input a NTSC cross hatch pattern with black and white background.	<ul style="list-style-type: none"> <li>● Adjust 6HSH for horizontal position.</li> <li>● Adjust 6PAR(parallilogram), 6BOW, 6EWP(parabola width), 6UCR(upper corner), 6LCR(lower corner) and 6EWT(trapezium) until the vertical line at left and right side of the picture become straight.</li> <li>● Adjust 6EWW for horizontal width.</li> </ul>
7	Key 4	RF AGC(28) CPEK PAL(32) CFPEKPAL(3.5M ) CFPEKNTS(3.1M ) CFPEKYUV(4.0M ) IFPL(32) BBTC(32) PGR/B/G(64) VG2BRI(20) HDOL(4)	Receive a 60dB grey scale + color bar signal	<ul style="list-style-type: none"> <li>● Press EXIT key to auto adjust RF AGC</li> <li>● (The others use default value)</li> </ul>
8	Key 5 (Status adjustment)	CNTX (63) CNTN (0) BRTX (16) BRTN (12) COLX (20) COLN (0) TNTX (20) TNTN (12)	-----	<ul style="list-style-type: none"> <li>● Max. And Min. Value setting for contrast, brightness, color, tint</li> <li>● (all use default value)</li> </ul>
9	Key 6 (Status adjustment)	CNTC(25) BRTC(31) COLC(28) TNTC(30) COLP(0) COLS(28) BRTS(0)	-----	<ul style="list-style-type: none"> <li>● center value of contrast(CNTC), brightness(BRTC),color(COLC),tint(TINTC).</li> <li>● adjust BRTC for the sub-brightness</li> <li>● COLP means COLC for PAL,COLS means COLC for SECAM Do not change value BRTS</li> </ul>

10	Key 7 (Sharpness & OSD position setting )	SHPTV4(31) SHPTV3(31) SHPAV4(31) SHPAV3(31) SHPX(31) SHPN(31) OSD BRI (15) 5/6CCDH(8/13) 5/6CCDV(32/13) 5/6OSDH(12/11) 5/6OSDV(45/35) 5/6MENUMV(18/9) MENUMH(7)	-----	<ul style="list-style-type: none"> <li>● (all use default value)</li> <li>● Center value of Sharpness for TV4.43(SHPTV4),TV3.58(SHPTV3),AV 4.43(SHPAV4),AV3.58(SHPAV3)</li> <li>● SHPX&amp;SHPN means Max.&amp;Min. sharpness.</li> <li>● OSD BRI means OSD brightness.</li> <li>● 5/6CCDH/V means game&amp;teletext osd position.</li> <li>● 5/6OSDH/V means OSD display position</li> <li>● 5/6MENUMH/V means menu position</li> </ul>
11	Key 0	VOL 01(27) VOL 25(122) VOL 50(143) VOL 100(163) YD AV(15) YD PAL(15) YD NTS(15) YD SEC(15) DEC LVL(0) MONO LVL(0) NIC LVL(0) SAP LVL(0) ADC LVL(0) DCXO CAP(42) NICLPINV(inverted ) PSCALE(0.375) PLIM(96) PCENTER(0) LOUDNESS(6)		<ul style="list-style-type: none"> <li>● Vol01, VOL25, VOL50, VOL100 means volume setting of user.</li> <li>● YD means Y delay for av,PAL tv,NTSC tv,SECAM tv.</li> <li>● Do not change the others value.</li> </ul>
12	Key Notebook (Music effect setting )	BASS M/S/T(85/20/70) TREBLE M/S/T(80/30/40) 300HzM/S/T(9/2/9) 500Hz M/S/T(11/3/9) 1KHz M/S/T(6/11/11) 5KHz M/S/T(11/5/3) 8KHz M/S/T(9/4/2)	-----	<ul style="list-style-type: none"> <li>● (all use default value)</li> <li>● Press key NOTEBOOK to cycle three sound effect :Music ,Speech ,Theatre</li> <li>● Set BASS M/S/T &amp;TREBLE M/S/T when bit6 of mode5 set to 0</li> <li>● Set 300Hz, 500Hz, 1KHz, 5KHz, 8KHz when bit6 of mode5 set to 1</li> </ul>
13	Key Favorite (Color temp .setting )	Warm R(6) Warm G(0) Warm B(4) Cool R(6) Cool G(0) Cool B(4)	-----	<ul style="list-style-type: none"> <li>● Setting of other two color temperature mode</li> <li>● (all use default value)</li> </ul>

14	Key SLEEP (Tuner setting)		-----	<ul style="list-style-type: none"> <li>● setting according to tuner spec.</li> <li>● (all use default value)</li> </ul>
15	Key 8 (OPTION setting )	OPT1 ...	-----	<ul style="list-style-type: none"> <li>● (all use default value)</li> </ul>
16	Key 9 (MODE setting )	MODE1 ...	-----	<ul style="list-style-type: none"> <li>● (all use default value)</li> </ul>
17	Key 1 (White balance adjustment)	RED(32) GRN(32) WPR(32) WPB(32) WPG(32)	Black and white pattern (PAL)	<ol style="list-style-type: none"> <li>1. Measure the dark side of the picture with a color analyzer adjust RED and GRN until the data on the analyzer become x = 284, y = 299.</li> <li>2. Measure the bright side of the picture, Then adjust WPR,WPG and WPB until the data on the analyzer become x = 284, y = 299.</li> <li>3. Repeat step 1 and 2 until you get right color on both dark and bright side of the screen.</li> </ol>

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

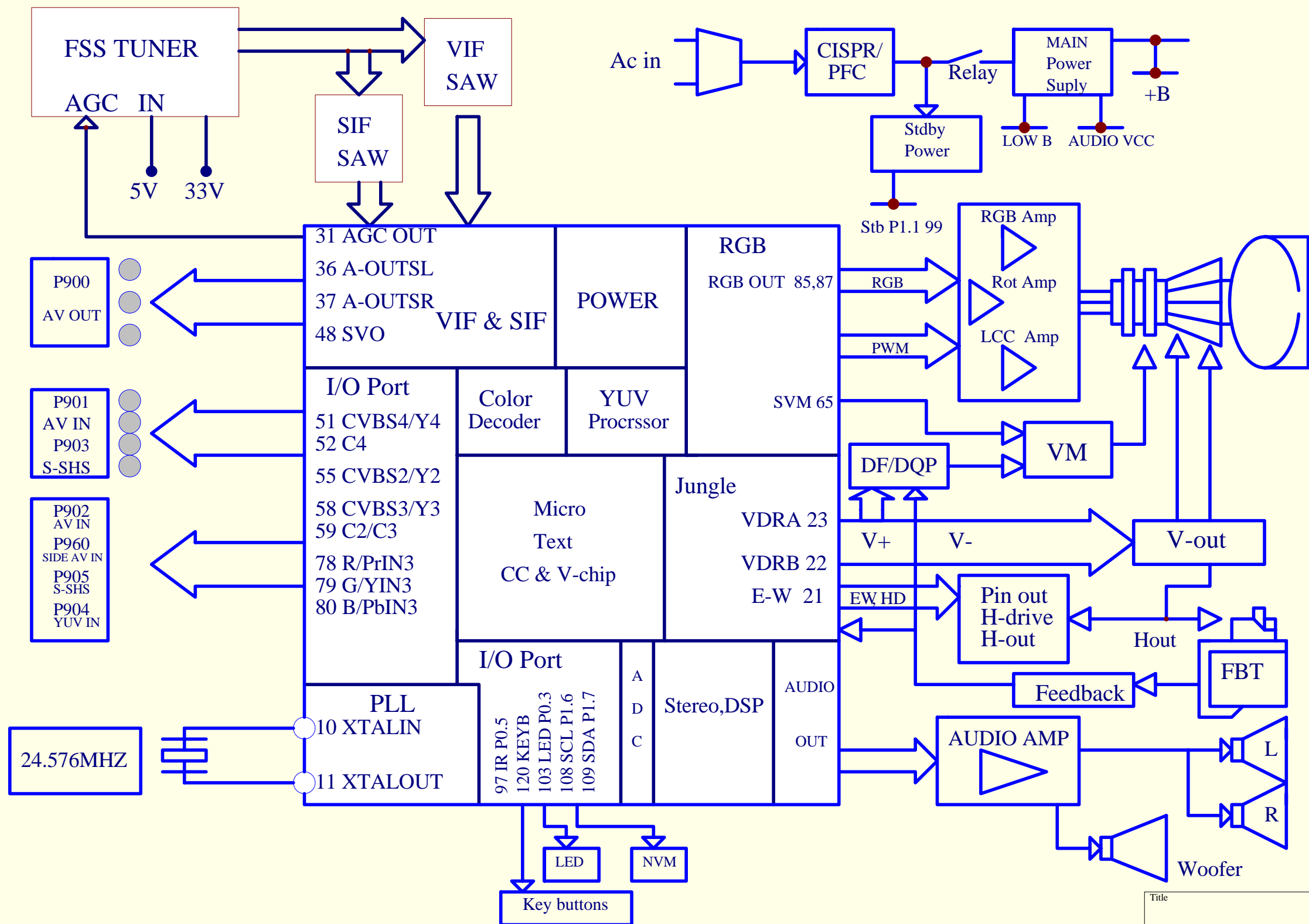
Volume: 30, PG password:0000, Favorite channel: ch1/ch2/ch3, channel lock: disable, Picture mode: normal, Color temp: normal, calendar:01-08-2004

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

**EEPROM INITIALZATION**: In D-MODE, press “-/--” to initialize EEPROM.

**NOTICE**: Before to be released, any M68 chassis must be initialized to the FACTORY-OUT status.

Don't try to initialize EEPROM, unless software can't work normally.



Title		
Size	Number	Revision
B		
Date:	27-Oct-2004	Sheet of
File:	C:\Documents and Settings\Administrator\My Documents\Project\Sheet.DDB	

