

# PRODUCT SAFETY SERVICING GUIDELINES FOR AUDIO-VIDEO PRODUCTS

## IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-visual service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

**CAUTION:** Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

## GRAPHIC SYMBOLS



The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.



The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

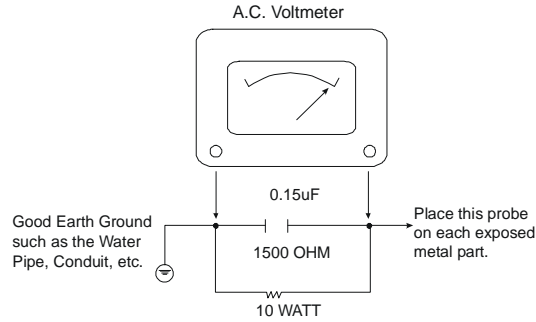
**CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.**

## SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

### FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items transported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After re-assembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. **DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST.** Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



## X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of x-radiation. The only potential source of x-rays in current TV receivers is the picture tube. However, this tube does not emit x-rays when the HV is at the factory-specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high-voltage supply and, under certain circumstances may produce radiation in excess of desirable levels.
2. Only factory-specified CRT anode connectors must be used.
3. It is essential that the service personnel have available an accurate and reliable high-voltage meter.
4. When the high-voltage circuitry is operating properly, there is no possibility of an x-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter, to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. When troubleshooting and making test measurements in a product with a problem of excessively high voltage, avoid being unnecessarily close to the picture tube and the high voltage power supply. Do not operate the product longer than necessary to locate the cause of excessive voltage.
6. Refer to HV, B+, and shutdown adjustment procedures described in the appropriate schematics and diagrams (where used).

## IMPLOSION

1. All direct view picture tubes are equipped with an integral implosion protection system; take care to avoid damage during installation.
2. Use only the recommended factory replacement tubes.

## TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using a cart or stand that has not been listed by Underwriters Laboratories, Inc. for use with its specific model of television receiver or generically approved for use with TVs of the same or larger screen size.
8. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

# PRODUCT SAFETY SERVICING GUIDELINES FOR AUDIO-VIDEO PRODUCTS

## HIGH VOLTAGE AND X-RADIATION PROTECTION

A potential source of x-rays is the picture tube, if the high-voltage (HV) is out of specification. When the HV is operating properly, there is no x-radiation. For the GB chassis family, the HV has no adjustments. A HV shutdown circuit is used to prevent excessive HV and x-ray emissions.

### THEORY OF OPERATION (SHUTDOWN CIRCUIT)

The HV shutdown circuit appears on pages 6-8 and 6-9 for the following assemblies:

GB1-25	009-02022
GB1-27	009-01999
GB2-27	009-02002
GB3-27	009-02006
GB2-32	009-02003
GB3-32	009-02007
GB2-36	009-02005
GB2-36	009-02008
GB3-36	009-02023
GB3-36	009-02024

This circuit basically monitors the sweep pulse voltage derived from the sweep transformer TX3204 pins 5 & 6. This voltage is rectified and applied to a 12V zener diode ZDX3004. When the HV reaches its maximum allowed value (see drawing) the zener diode conducts, the voltage on pin 29 of the video processor (ICX2200) increases until it reaches the threshold voltage of 3.5 VDC, and shuts down the TV.

If the shutdown circuit has operated, the microcontroller will prevent the TV from being turned on again, without first having to unplug the AC cord to reset the microcontroller.

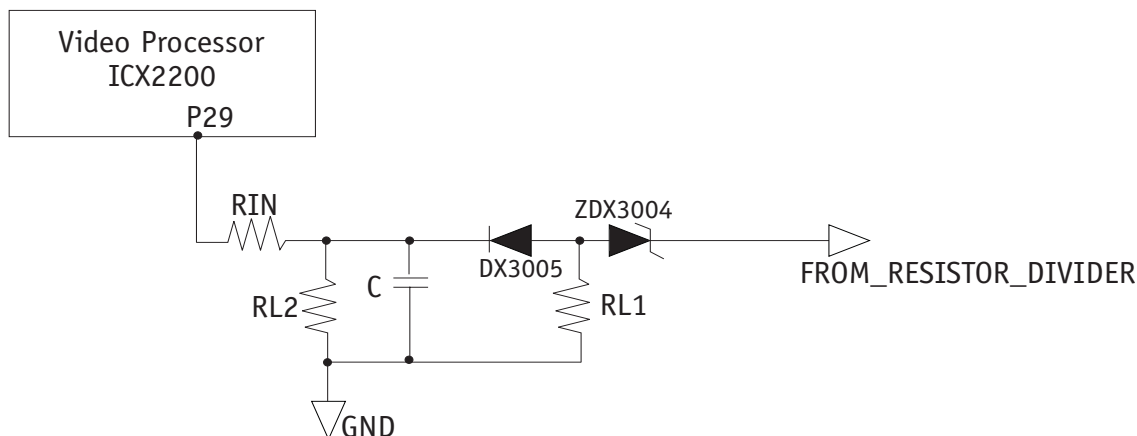
**TIP: Make a momentary short between the OUTPUT and GND of the IC6002 (RESET CIRCUIT), this will reset the microcontroller IC6000.**

Apply signal through the video generator or tune the TV color receiver to crosshatch pattern. Connect an accurate HV meter between the picture tube anode and chassis ground. Access Video Menu and adjust Brightness and Contrast controls for minimum screen luminance. Wait until the Video Menu or display disappear. Read HV meter.

The maximum HV value for each chassis is specified in the following table:

GB Chassis HV and B+			
Chassis	B+ [VDC]	HV Nominal (0Beam) [kV]	HV Max (0 Beam) [kV]
GB 1, 2, & 3 27V	124.5 $\pm 2\%$	28.5	29
GB 1, 2 & 3 32V	128.2 $\pm 2\%$	29.75	31
GB 1, 2, & 3 36V	138.0 $\pm 1.8\%$	31.75	33
GB 1, 2 & 3 36V	138.0 $\pm 1.8\%$	31.75	33
GB 2 & 3 36V (009-2023 & 009-2024 only)	128.2 $\pm 2\%$	29	31.5

### GB CHASSIS SHUT DOWN CIRCUIT





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Unusual Tilt Case

Improving CRT Corner Purity

Modification

## Section 4

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A36B41W, IQA27B43W, IQA32B43W,	
IQA36B43W . . . . .	4-2

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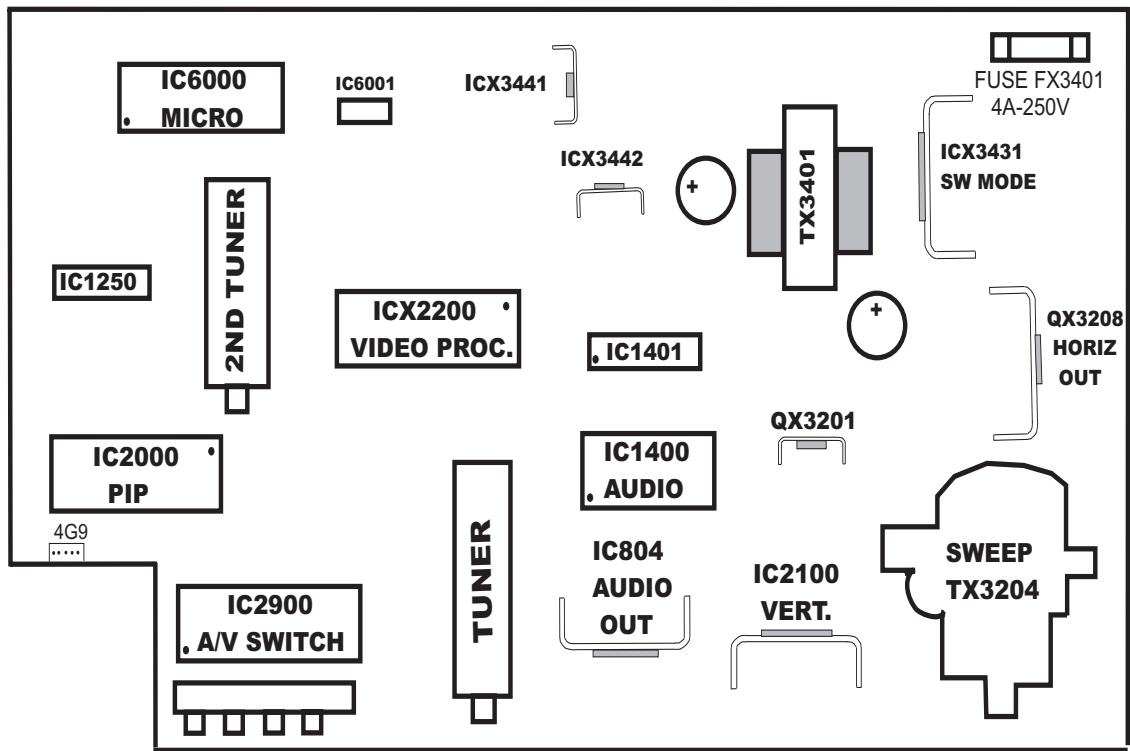
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# OVERVIEW



## INTRODUCTION

The GB chassis will be used in screen sizes 25", 27", 32" and 36" models. The concept of the GB chassis is a single board for each screen size. For "A" line there are three different chassis; the GB-1, GB-2 and GB-3. During the manufacturing process, the EAROM will be programmed for added features. Also additional wired in components will be added to the chassis to accommodate the different features: PIP, 2-tuner PIP etc.

The 27" sets provide 30 kV second anode voltage. The 32" and 36" sets provide 32 kV second anode voltage.

The GB-1, 2, and 3 chassis has 11 variations which are as follows:

- The 9-2022 module is used on the GB-1, 25" single PIP sets.

- The 9-1999 module is used on the GB-1, 27" single PIP sets.

- The 9-2000 module is used on the GB-1, 32" single PIP sets.

- The 9-2001 module is used on the GB-1, 36" single PIP sets.

- The 9-2002 module is used on the GB-2, 27" two tuner PIP sets.

- The 9-2003 module is used on the GB-2, 32" two tuner PIP sets.

The 9-2005 and 9-2023 modules are used on the GB-2, 36" two tuner PIP sets

The 9-2006 module is used on the GB-3, 27" two tuner PIP with BBE audio sound enhancement.

The 9-2007 module is used on the GB-3, 32" two tuner PIP with BBE audio.

The 9-2008 and 9-2024 modules are used on the GB-3, 36" two tuner PIP with BBE audio.

The GB series chassis features nine IC's.

IC6001 is the EAROM memory.

IC6000 is the microprocessor

ICX3431 is in the switching power supply.

IC2900 is the Audio/Video switch.

ICX2200 handles all audio/video, sync and sweep drive processing.

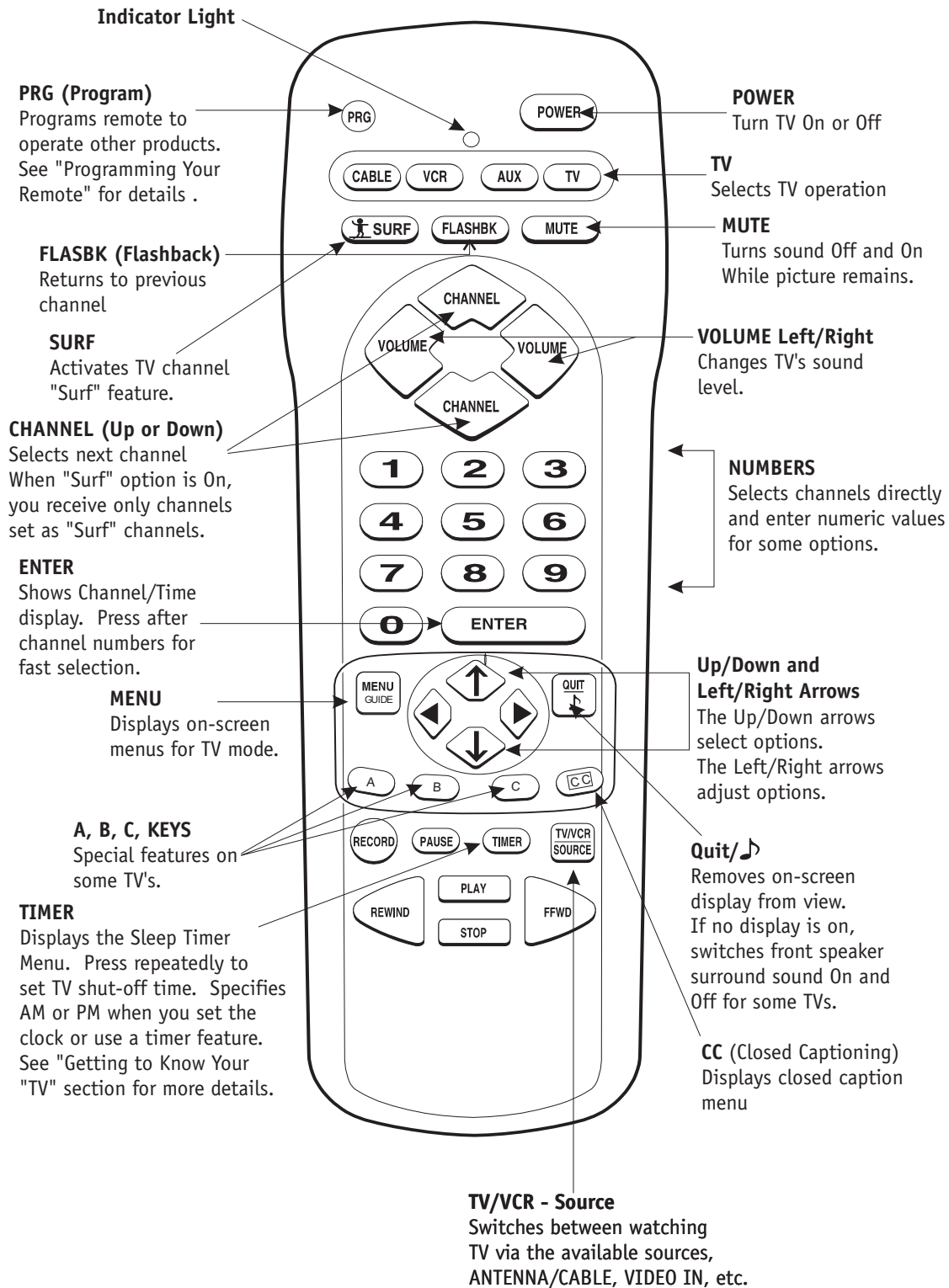
IC2100 handles vertical sweep.

IC2000 is the PIP processor.

The GB-3 chassis features IC1401, the BBE sound enhancement audio circuit.

IC1250 is the 2nd tuner PIP video IF.

# MBR3447 REMOTE CONTROL - KEYS DEFINED



**Note:** Keys dedicated to VCR functions will still operate your VCR while the remote is in TV mode.

# GEM4002 REMOTE CONTROL - KEYS DEFINED

## MODE/TIME DISPLAY

Displays remote control mode and time, if set. Press TV key twice to see Time Display.

## FLASHBK (Flashback)

Returns to previous Channel.

## SURF

Turns Surf Channel On/Off

## CHANNEL (Up or Down)

Selects next channel in TV's memory. Press and hold to repeat.

## VOLUME (Left)

Decreases sound level

## NUMBER PAD

Selects channels directly.

## MENU

Displays menus for TV and other options.

## LEFT and RIGHT ARROWS

Chooses and shows the desired menu option.

## PIP, PIPCh, FREEZ

Picture-in Picture functions

## TIMER

Displays the SLEEP TIMER menu. Press repeatedly, to set desired TV shut-off time.

## POWER

Turns TV On or Off.

## TV

Selects TV operation

## MUTE

Turns sound Off and On while picture remains.

## VOLUME (Right)

Increases TV's sound level.

## ENTER

Shows Channel/Time enters channel or removes any on-screen menus.

## QUIT/ (Three Functions Key)

Exits from on-screen display, turns the sound enhancement feature on or off and switches audio between Main source and PIP source.

## UP and DOWN ARROWS

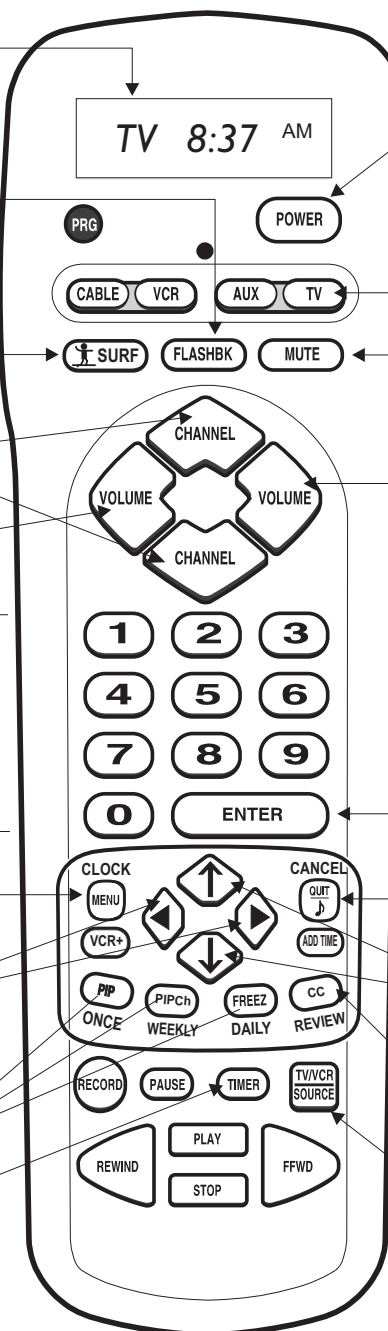
Moves highlighted bar within menu to select an option.

## CC

Turns Closed Caption On or Off.

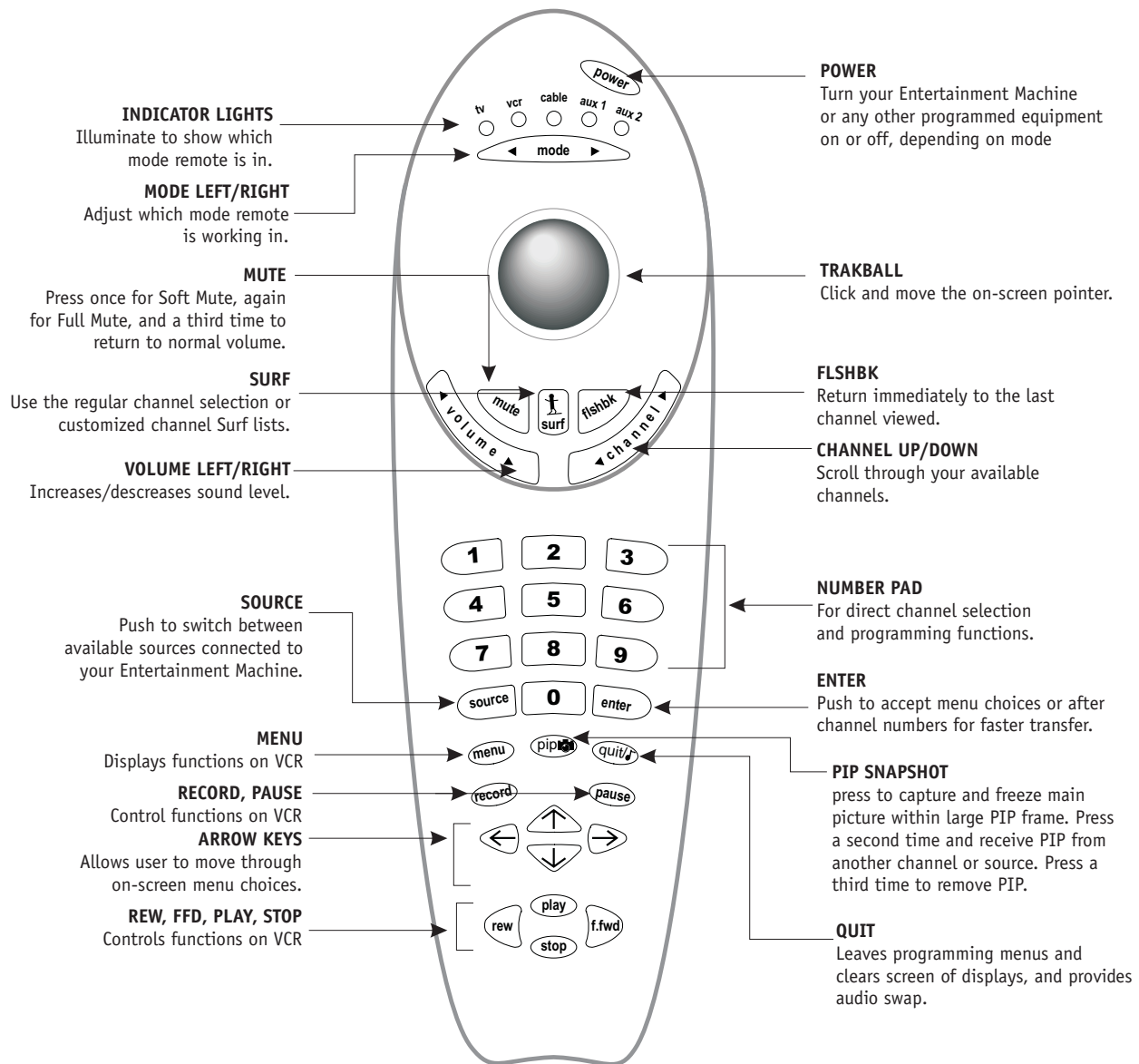
## TV/VCR SOURCE

Steps through source options.





# TRK4000 REMOTE CONTROL - KEYS DEFINED



Remote Control Part Number  
MBR TRACKBALL: TRK4000

# PROGRAMMING REMOTE

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## PROGRAMMING MBR3447/GEM4002 REMOTE

If you're using Zenith products, the remote is already programmed for most common codes: TV = 101, VCR = 201, CABLE = 353, and AUX = 401. For other brands, or if your remote fails to control your Zenith products, you'll have to program the remote.

1. Make sure the batteries are installed.
2. Press and hold **PRG** using a blunt pointed object. Release PRG after indicator light turns on.
3. Press and release the button for product being programmed.
4. Enter 3-digit product code from chart on next page.
5. Press and release **ENTER** to save code.
6. Point remote at product and press **POWER** to test product operation. If it does not turn on, reprogram remote using a different code.

### TO AUTO FIND A CODE:

1. Turn On the product you want to operate.
2. Press and hold **PRG** using a blunt object. Release **PRG** after the indicator light turns on.
3. Press the key to be programmed: **CATV, VCR, AUX, or TV**.

4. Enter "0-0-0", then press **ENTER** within two seconds. Auto Find is active when the indicator light flashes and remains lit.
5. Point the remote at the product.
6. Press and release **POWER** repeatedly, about once a second, until your product turns Off. The indicator light turns Off when you press **POWER** and On when you release it.
7. Press **ENTER** immediately to save the code. The indicator light flashes to indicate the code has been saved.
8. Press **POWER** to turn On your product.
9. Test your product. If the remote fails to operate the functions you use most often, use Auto Find again to search for a better code. (Auto Find resumes its search after the last code that was entered and saved in step 7).

**NOTE:** *If the indicator light stays on as you press **POWER**, Auto Find has tried all of the codes. If the product you want to control has not turned off, your remote will not work with that product.*

*To cancel Auto Find, press **PRG** at any time during Auto Find.*

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## PROGRAMMING TRK4000 REMOTE

1. Select the equipment needed to be programmed, turn to page 1-6 to find the programming code appropriate for the type and brand of equipment. Make sure the equipment is turned on.
2. Point the MBR Trakball remote at the piece you're programming, press **MUTE** and **FLSHBK** at the same time. Hold until one of the mode indicator LEDs lights.
3. Use the **MODE** Right/Left button to select the appropriate mode for equipment.
4. With the Number Keypad, enter the three digit code found in step 1 and press **ENTER**. If the code is accepted, the mode indicator Led will blink three times, If it is not accepted, the Led will not blink.

**NOTE:** *The TV and VCR modes will only accept codes for those types of products. The AUX 1, AUX 2, and Cable modes will accept codes for any kind of product.*

5. Push the **POWER** button to turn off the equipment. If nothing happens, repeat the process from step 1, and try the next code number.

**NOTE:** *To get out of Programming before you enter a code, just press the **QUIT** button on remote.*

### TO AUTO FIND A CODE

1. Turn on the device you want to operate.
2. Press and hold **MUTE** and **FLSHBK** until the indicator light turns on.
3. Press **MODE** Left/Right until the indicator light is underneath the device needed to be programmed.
4. With the NUMBER keypad, enter the code "0-0-0", then press the **ENTER** key right away.
5. Aim remote at the correct device and push the **POWER** button. Allow a second to pass, then push the Power button again. Repeat until the device turns off.
6. Push **ENTER** to save the code. The indicator light on the remote will blink three times and then turn off.
7. Press **POWER** to turn the device back on.

**NOTE:** *You can get out of Auto Find quickly by pressing the **Quit** button.*

*If the indicator light does not turn off while you push the Power key, all the codes have been tried and your device can't be programmed.*

# PROGRAMMING CODES - MBR3447/GEM4002/TRK4000

## PROGRAMMING CODES BY BRAND NAME

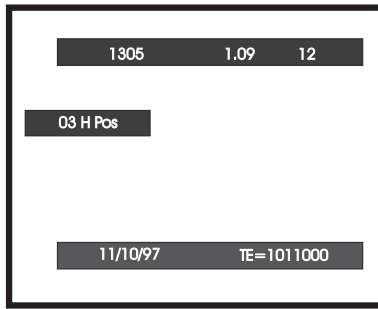
<b>TVS</b>	
Admiral	116, 121, 130, 133
Adventura TV/VCR	154
Akai	104
Amark	103, 146
AOC	104
Bell & Howell	121
Broksonic	131, 136, 182
Candle	139
Centurion	119
Citizen	121, 139
Contec	141
Coronado	103
Crown	103
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Daewoo	149, 159
Daewoo TV/VCR	148
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Elektra	121
Emerson	103, 104, 123, 124, 131, 136, 145, 176
Emerson TV/VCR	158
Fisher	109, 118
Funai TV/VCR	154
General Electric	106, 107, 114, 116, 117, 161
Goldstar	103, 104, 119, 147, 184
Goldstar TV/VCR	153
Hitachi	102, 103, 129, 163, 121
Inteq	101
J.C. Penney	104, 110, 114, 117, 119
JVC	125, 132, 164
KMC	103
KTV	103, 104, 138
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Logik	121
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Hitachi TV/VCR	154
LXI	154

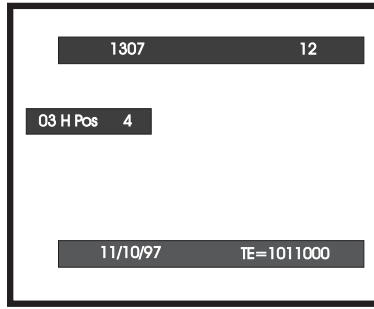
RCA	179
Samsung	180
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Denon	402, 403
Mitsubishi	403
Pioneer	402, 403, 405
Sanyo	401
Sony	404
Zenith	401
<b>AUDIO CD PLAYERS</b>	
Akai	409, 424
Carver	510
Crown	410
Denon	411
Fisher	412, 438
Goldstar	460
Harman/ Kardon	413
JVC	415
Kenwood	412, 416, 417, 441
Magnavox	421, 422, 433, 434
Mitsubishi	423, 424
NAD	425, 426, 447
Nakamichi	427, 428
NEC	429
Onkyo	430

Panasonic	431, 432
Philips	421, 433, 434
Pioneer	431, 435
Quasar	432
Radio Shack	431, 436, 439, 440, 441
RCA	437
Sanyo	438, 439
Scott	440
Sharp	441, 442
Sony	443, 444, 445
Soundesign	461, 498, 501, 502
Sylvania	433
Teac	446
Technics	432, 459
Toshiba	447
Yamaha	448
Zenith	460, 461, 498, 501, 502
<b>AUDIO TAPE DECKS</b>	
Denon	455
Harman/ Kardon	456
JVC	457
Kenwood	450
Onkyo	458
Philips DCC	454
Pioneer	451, 478
Sony	452
Technics	454, 497
Yamaha	453
<b>AUDIO TUNERS AND AMPLIFIERS</b>	
Denon	462, 463
Fisher	464
Goldstar	460
Harman Kardon	465
JVC	466
Kenwood	468, 469, 506
Marantz	472, 503
Onkyo	473
Philips	475, 476
Pioneer	477, 478, 479
Radio Shack	487, 488
Realistic	480
Sanyo	481
Scott	482
Sharp	483
Sherwood	487, 488
Sony	489, 490, 491, 492
Soundesign	461, 498, 501, 502
Teac	494, 495
Technics	497, 509, 567,
Yamaha	496
Zenith	460, 461, 498, 501, 502, 504, 505
<b>DVD PLAYERS</b>	
Denon	523, 524
Marantz	521
Mitsubishi	525
Panasonic	523, 524
Philips/Magnavox	521
Pioneer	527
Proscan	526
RCA	526
Sony	522
Toshiba	521
Zenith	521

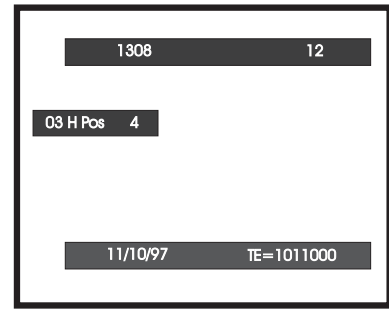
# SERVICE MENU



**Figure 1**  
**1305 Micro Opening Display**



**Figure 2**  
**1307 Micro Opening Display**



**Figure 3**  
**Factory Mode "On" Display**

## SERVICE MENU

Access the Service Menu by using the remote control or the keyboard on front of set.

**With the remote:** Press and hold **MENU** key until user menu display disappears, then press **9, 8, 7, 6** and **ENTER**.

**Models with 6 button Keyboard:** Press and hold **Menu** until User Menu display disappears. Immediately press **Volume Up** and **Channel Down** simultaneously.

**Models with 10 button keyboard:** Press and hold **MENU** until the user menu disappears. Immediately press the **Adj. Right** and **Channel Up** keys simultaneously.

**NOTE: Entry into and exit from the Service Menu will automatically unblock all parental control.**

Service Menu will appear as shown in Figures 1, 2, and 3.

Bar at top indicates version of software that is used in the set.

Bar at bottom has a date and number. Date on left indicates date module went through factory. Number on right indicates date module has been tested.

The GB utilizes three different microprocessors for (IC6000). When the Factory menu is accessed, the opening display screen will show the microprocessor series on the top line (1305, 1307, or 1308).

**00 F MODE: (Factory Mode)** Use **Select** key to select item #00, which is the first item in the Service Menu, the Factory Mode. This item is used by the factory when the module is being tested. In the field, this item should always be left "off". Zero is "Off"!

When Factory Mode is Off, only the first seven items in the Service Menu can be accessed. When Factory Mode is set to 1, all menu items are accessible, and will appear one item at a time at the center of screen, as shown in Figures 1, 2, and 3.

If Factory Mode is "On", a pair of dashes will appear at the top of the Customer Set Up Menu. On other menus a number corresponding to the setting of a high lighted item will be shown, which is a quick way to determine that Factory Mode is on. Other unusual things also happen when Factory Mode is "On", for example, the AC power On feature is always enabled regardless of setting of "AC On" in the Service Menu. The set will automatically come On when AC is applied, to disable, access the Service Menu and turn Factory Mode off. Factory Mode can also be turned off by adjusting the setting of the clock, or running the Auto Program feature located in the customer Set Up menu.

# FACTORY RECOMMENDED SETTINGS - 221-1305-01

## GB-1 221-1305-01 MICRO

### GENERAL SETTINGS

<u>ITEM</u>	<u>RANGE</u>	<u>25"</u>	<u>27"</u>	<u>KEY ABBREVIATIONS</u>
00 F Mode	0 - 1	0	0	Factory Mode (refer to page 2-1)
01 Pre Px	0 - 1	1	1	Used to store customer menu adjustments
02 V Pos	0 - 24	16	17	Moves on screen displays vertically
03 H Pos	0 - 75	6	23	Moves on screen displays horizontally
04 Level	1 - 2	1	1	Level is fixed at the factory
05 Band	0 - 7	1	1	Broadcast band adjust
06 AC On	0 - 1	0	0	Will turn on and off set when AC power is applied and removed
<b>TECHNICAL SETTINGS</b>				
07 RFBpf	0 - 1	1	1	RF bandpass filter
08 3.58T	0 - 1	1	1	3.58 trap
09 RF Brt	0 - 63	21	29	RF Brightness
10 Ax Brt	0 - 63	21	29	Auxiliary Brightness
11 Max Con	0 - 63	63	63	Max Contrast
12 V. Size	0 - 254	56	120	Vertical Size, adjusts size of picture
13 H. Size	0 - 254	107	80	Horizontal size, adjusts size of picture
14 V Phase	0 - 7	2	0	Vertical Phase, shifts picture vertically
15 H Phase	0 - 31	19	18	Horizontal Phase, shifts picture horizontally
16 AudLv1	0 - 63	46	46	Audio level
17 RF Agc	0 - 63	31	31	Automatic gain control
18 H AFC	0 - 1	1	1	Automatic frequency control
19 WhComp	0 - 1	0	0	White compression
20 60 HzSw	0 - 1	2	2	60 Hertz switched
21 PifVco	0 - 127	31	31	PIF Voltage controlled Oscillator
<b>COLOR TEMP COOL STARTING VALUES</b>				
22 R Cut	0 - 254	0	0	B&W tracking
23 G Cut	0 - 254	0	0	B&W tracking
24 B Cut	0 - 254	0	0	B&W tracking
25 G Gain	0 - 254	95	100	Green Gain Color Temp
26 B Gain	0 - 254	70	80	Blue Gain Color Temp
<b>COLOR TEMP WARM STARTING VALUES</b>				
22 R Cut	0 - 254	0	0	B&W tracking
23 G Cut	0 - 254	0	0	B&W tracking
24 B Cut	0 - 254	0	0	B&W tracking
25 G Gain	0 - 254	70	70	Green Gain Color Temp
26 B Gain	0 - 254	40	40	Blue Gain Color Temp
27 Scroll	0 - 1	1	1	Selects method for User Menu
28 6 Keys	0 - 1	1	1	Keyboard, set to 1 for 6 keyboard, set to 0 for 10 key
<b>AUDIO SETTINGS</b>				
29 A Att	0 - 15	9	9	Audio input attenuator
30 A Vco	0 - 63	31	31	Audio Voltage Controlled Oscillator
31 A Fltr	0 - 63	3	31	Audio Filter
32 Spctrl	0 - 63	31	31	High frequency separation
33 W Band	0 - 63	31	31	Wide band low frequency separation
<b>PIP SETTINGS</b>				
34 PIPX1	0 - 63	9	8	Sets horizontal position on left side
35 PIPY1	0 - 63	5	5	Sets vertical position on left side
36 PIP X2	0 - 63	49	51	Sets horizontal position on right side
37 PIP Y2	0 - 63	32	33	Sets vertical position on right side
38 PIP Ras	0 - 254	69	69	Picture in Picture raster
39 PIP Sw	0 - 15	9	9	Picture in Picture switch delay
40 PIP Lud	0 - 7	1	1	Picture in Picture luminance delay
41 PIP TOF	0 - 63	18	18	Picture in Picture level register
42 InOSDC	0 - 1	1	1	OSD internal oscillator
43 OSD FR	0 - 1	0	0	OSD Frame

# FACTORY RECOMMENDED SETTINGS - 221-1307

## GB-2 221-1307 MICRO

### GENERAL SETTINGS

ITEM	RANGE	27"	32"	36"	36"	KEY ABBREVIATIONS
00 F Mode	0 - 1	0	0	0	0	Factory Mode (refer to page 2-1)
01 Pre Px	0 - 1	1	1	1	1	Used to store customer menu adjustments
02 V Pos	0 - 31	17	18	18	18	Moves on screen displays vertically
03 H Pos	0 - 75	23	20	23	23	Moves on screen displays horizontally
04 Level	1 - 2	1	1	1	1	Level is fixed at factory
05 Band	0 - 7	1	1	1	1	Broadcast band adjust
06 AC On	0 - 1	0	0	0	0	Will turn on and off set when AC power is applied and removed

### TECHNICAL SETTINGS

07 RFBpf	0 - 1	1	1	1	1	RF bandpass filter
08 3.58T	0 - 1	1	1	1	1	3.58 trap
09 RF Brt	0 - 63	29	29	29	45	RF Brightness
10 Ax Brt	0 - 63	29	29	29	45	Auxiliary Brightness
11 Max Con	0 - 63	63	63	63	63	Max Contrast
12 V. Size	0 - 254	110	132	140	188	Vertical Size, adjusts size of picture
13 H. Size	0 - 254	20	90	140	80	Vertical Size, adjusts size of picture
14 V Phase	0 - 7	2	0	2	0	Vertical Phase, shifts picture vertically
15 H Phase	0 - 31	17	17	18	18	Horizontal Phase, shifts picture horizontally
16 AudLv1	0 - 63	46	46	46	46	Audio level
17 AudLv2	0 - 63	46	46	46	46	Audio level
18 RF Agc	0 - 63	31	31	31	31	Automatic frequency control
19 H AFC	0 - 1	1	1	1	1	Horizontal AFC
20 WhComp	0 - 1	0	0	0	0	White compression
21 60 HzSw	0 - 1	2	2	2	2	60 Hertz switched
22 PiVco	0 -127	31	31	31	31	PIF voltage controlled oscillator

### COLOR TEMP COOL STARTING VALUE

23 R Cut	0 -254	0	0	0	0	B&W tracking
24 G Cut	0 -254	0	0	0	0	B&W tracking
25 B Cut	0 -254	0	0	0	0	B&W tracking
26 G Gain	0 -254	100	100	100	100	Green Gain Color Temp
27 B Gain	0 - 254	80	80	80	80	Blue Gain Color Temp

### COLOR TEMP WARM STARTING VALUES

23 R Cut	0 - 254	0	0	0	0	B&W tracking
24 G Cut	0 - 254	0	0	0	0	B&W tracking
25 B Cut	0 - 254	0	0	0	0	B&W tracking
26 G Gain	0 - 254	70	70	70	40	Green Gain Color Temp
27 B Gain	0 - 254	70	70	70	40	Blue Gain Color Temp
28 Scroll	0 - 1	1	1	1	1	Selects method for User Menu
29 6 Keys	0 - 1	1	1	1	1	Keyboard, set to 1 for 6 keyboard, set to 0 for 10 key

### AUDIO SETTINGS

30 A Att	0 - 15	9	9	9	9	Audio input attenuator
31 A Vco	0 - 63	31	31	31	31	Audio voltage controlled oscillator
32 A Fltr	0 - 63	31	31	31	31	Audio filter
33 Spctrl	0 - 63	31	31	31	31	High frequency separation
34 W Band	0 - 63	31	31	31	31	Wide band low frequency separation

### PIP SETTINGS

35 PIPX1	0 - 63	8	8	8	8	Set horizontal position on left side
36 PIPY1	0 - 63	5	5	5	5	Sets vertical position on left side
37 PIP X2	0 - 63	52	50	51	51	Sets horizontal position on right side
38 PIP Y2	0 - 63	33	33	33	33	Sets vertical position on right side
39 PIP Ras	0 - 254	69	69	69	69	Picture in Picture raster
40 PIP Sw	0 - 15	9	9	9	9	Picture in Picture delay
41 PIP Lud	0 - 7	1	1	1	1	Picture in Picture luminance delay
42 PIP TOF	0 - 63	33	31	31	31	Pip in Picture tine level register
43 InOSDC	0 - 1	1	1	1	1	OSD internal oscillator
44 OSD FR	0 - 1	0	0	0	0	OSD frame

# FACTORY RECOMMENDED SETTINGS - 221-1308

## GB-3 221-1308 MICRO

### GENERAL SETTINGS

ITEM	RANGE	27"	32"	36"	36"	KEY ABBREVIATIONS
00 F Mode	0 - 1	0	0	0	0	Factory Mode (refer to page 2-1)
01 Pre Px	0 - 1	1	1	1	1	Used to store customer menu adjustments
02 V Pos	0 - 24	17	18	14	18	Moves on screen displays vertically
03 H Pos	0 - 13	23	20	23	23	Moves on screen displays horizontally
04 Level	1 - 2	1	1	1	1	Level is fixed at factory
05 Band	0 - 7	1	1	1	1	Broadcast band adjust
06 AC On	0 - 1	0	0	0	0	Will turn on and off set when AC power is applied and removed

### TECHNICAL SETTINGS

07 RFBpf	0 - 1	1	1	1	1	RF bandpass filter
08 3.58T	0 - 1	1	1	1	1	3.58 trap
09 RF Brt	0 - 63	29	29	29	45	RF Brightness
10 Ax Brt	0 - 63	29	29	29	45	Auxiliary Brightness
11 Max Con	0- 63	63	63	63	63	Max Contrast
12 V. Size	0 - 254	104	132	130	188	Vertical size
13 H. Size	0 - 254	145	90	140	80	Horizontal size
14 V Phase	0 - 7	0	0	2	0	Vertical phase
15 H. Phase	0-31	18	18	18	18	Horizontal phase
16 AudLv1	0 - 63	19	17	18	18	Audio level
17 AudLv2	0 - 63	46	46	46	46	Audio level 2
18 RF Agc	0 - 63	31	31	31	31	Automatic Gain control
19 H Afc	0 - 1	1	1	1	1	Horizontal AFC
20 WhComp	0 - 1	0	0	0	0	White compression
21 60 hzSw	0 - 1	2	2	2	2	60 Hertz switched
22 PifVco	0 - 127	31	31	31	31	PIF voltage controlled oscillator

### COLOR TEMP COOL STARTING VALUES

23 R Cut	0 - 254	0	0	0	0	B&W tracking
24 G Cut	0 - 254	0	0	0	0	B&W tracking
25 B Cut	0 - 254	0	0	0	0	B&W tracking
26 G Gain	0 - 254	100	100	100	100	Green Gain Color Temp
27 B Gain	0 - 254	80	80	80	80	Blue Gain Color Temp

### COLOR TEMP WARM STARTING VALUES

23 R Cut	0 - 254	0	0	0	0	B&W tracking
24 G Cut	0 - 254	0	0	0	0	B&W tracking
25 B Cut	0 - 254	0	0	0	0	B&W tracking
26 G Gain	0 - 254	70	70	70	70	Green Gain Color Temp
27 B Gain	0 - 254	40	40	40	40	Blue Gain Color Temp
28 Scroll	0 - 1	1	1	1	1	Selects method for User Men
29 6 Keys	0 - 1	1	1	1	1	Keyboard, set to 1 for 6 keyboard, set to 0 for 10 key

### AUDIO SETTINGS

30 A Att	0 - 15	9	9	9	9	Audio input attenuator
31 A Vco	0 - 63	31	31	31	31	Audio voltage controlled oscillator
32 A Fltr	0 - 63	31	31	31	31	Audio filter
33 Spctrl	0 - 63	31	31	31	31	High frequency separation
34 W Band	0 - 63	31	31	31	31	Wide band low frequency separation

### PIP SETTINGS

35 PIPX1	0 - 63	8	8	8	8	Sets horizontal position on left side
36 PIPY1	0 - 63	5	5	5	5	Sets vertical position on left side
37 PIP X2	0 - 63	51	50	51	51	Sets horizontal position on right side
38 PIP Y2	0 - 63	33	33	33	33	Sets vertical position on right side
39 PIP Ras	0 - 254	69	69	69	69	Picture in Picture raster
40 PIP Sw	0 - 15	9	9	9	9	Picture in Picture switch delay
41 PIP Lud	0 - 7	1	1	1	1	Picture in Picture luminance delay
42 PIP TOF	0 - 63	31	31	31	31	Picture in Picture tint level register
43 InOSDC	0- 1	1	1	1	1	OSD internal oscillator
44 NC Ready	0- 1	0	0	0	0	OSD frame
45 F-Jack	0- 1	0	0	0	0	Front Jack option



# SERVICING

## GENERAL INFORMATION

Servicing the GB chassis is the same as with other Zenith single board chassis. If the set is dead, first check the standby and switched voltages. If the switched voltages do not appear, check the power "On" circuit. If the power supply is OK and the set will turn On, the Horizontal sweep circuit should be checked next. Is horizontal drive available from the video processor chip? If the sweep system does not start up, sweep derived voltages will not be generated. If the sweep and high voltage circuit is OK and video or audio is missing, then audio/video/tuner should be checked. If the receiver is working but some feature is not working, check the Service Menu. Bring up the Service menu and check to be sure that all items are set correctly.

## REPLACEMENT MODULES

Replacement main modules out of the box may not be set correctly to match the model being serviced. After the module is replaced, access the Service Menu and check that all menu item access are set properly. When the factory Mode is "Off", only the first seven items in the Service menu are available. Place the Factory mode to 1 to see all Service Menu adjustments. Be sure the factory mode is set to 0, which is "Off" when the Service Menu is exited.

Item #4 Level is set at the factory to provide the correct features to match the model. This item is fixed and cannot be changed in the field.

## COMPONENT LEVEL SERVICING

The following troubleshooting information is intended for component servicing on the 25", and 27" models. Replacement modules are available on an exchange basis for the 32" and 36" models.

If the CRT or Video processor IC is replaced, the Black & White tracking must be reset. Refer to the Servicing section of this book for the complete Black & White tracking procedure.

If the audio IC is replaced, access the Service Menu and be sure the five stereo adjustments 30 through 34 are set properly. The proper setting of these adjustments will be printed on the bar code label.

When troubleshooting the video, remember that all video travels through the PIP IC and Video/Audio switcher IC. A defect in either of these IC's can result in no video.



**WARNING: DO NOT disconnect the Video output module from the CRT when troubleshooting. This procedure is not recommended on the 32 and 36 inch receivers. If the video output module is removed while power is "On", the CRT will Arc and can be permanently damaged. Also, a service technician is in danger of serious shock. There is a termination circuit (R5110) on the CRT Video Output module to prevent this from happening.**

## SERVICING THE POWER SUPPLY

Check the standby voltages first

- +150 DC at CX3404
- +130 DC at CX3420
- +18 DC at C3422 +15 DC at emitter of Q3404
- +5 DC at pin 3 of IC3442

### Power On

Check the following:

- Keyboard input at IC6000 pin 19 and 20
- IR input at IC6000 pin 2
- Power On output at IC6000 pin 52
- Q3402 power supply "turn On" transistor.

### Check the Switched Voltages

- +9 volts DC at pin 3 of IC3441
- +15 volts DC at emitter of Q3404

## SWEEP DERIVED VOLTAGES

- +23 volts DC at the junction of CX3268 and RX3242
- +35 volts DC at CX3272 +200 volts DC at junction of CX3296 and RX3277

## CRT FILAMENT

Check at pins 1 and 2 of connector 2F5. This should read 6.1 to 6.3 volts AC on a true RMS meter. It will read 7.5 volts AC on a VTVM and with the scope, 22 volts PP.

## VIDEO PROCESSOR ICX2200

Check the following key operating Signals and voltages:

- Composite Video Out at pin 47
- Switched Video Out to micro pin 41.
- Tuner composite Video in pin 37
- Luminance in from PIP pin 43
- Chroma in from PIP pin 45
- Composite Audio out pin 2
- Horizontal Drive at pin 32 Vertical Drive at pin 24
- Video output Blue at 2C5 pin 3
- Video output Green at 2C5 pin 2
- Video output Red at 2C5 pin 1
- B+ 9 volts pins 9, 23, 46 and 48
- Serial Data, Serial Clock pins 27, 28



# SERVICING

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## HORIZONTAL CIRCUIT

Check the following:

- Horizontal drive to base of Q3202 predriver
- Driver transformer output at base of Q3208
- Shutdown voltage at cathode of ZDX3004
- Scan derived voltages +23, +35 and +200 volts

## MICROPROCESSOR IC6000

Check the following:

- IR in on pin 2
- +5 volts on pins 22, and 39
- Clock Xtal on pins 36, and 37
- Serial Data, Serial Clock on pins 33, and 34
- Reset pin 35
- Horiz. Flyback on pin 28, Vert pulse on pin 29
- R, G, B out on pins 24, 25, and 26

## VERTICAL CIRCUIT IC2100

Check the following:

- Vertical drive pulse pin 3
- +23 volts pins 2,10 and 11
- Vertical out pin 1
- Poor Linearity check C2114, C2115

# SERVICING

## SERVICE ADJUSTMENTS (Mechanical)

### G2 ADJUST

1. Set brightness and contrast in the Video menu to mid range.
2. Set color level to minimum.
3. Connect the output of an NTSC generator to the antenna input on the receiver.
4. Select a color bar signal and turn color off. Adjust the G2 control so that the bar patterns range from completely black to a "not overdriven" (Not saturated) white. There should be a distinct difference between the black and white bars. Also the different shades of gray should also be distinguishable if the G2 is set correctly.
5. Return color level control to its normal setting. Leave generator connected if the RGB cutoff is to be adjusted.

### VERTICAL SIZE (Mechanical)

1. Vertical Size R2133 Adjust R2133 for about 1/2" overscan at the top and at the bottom of the picture.
2. Horizontal Width R3249 Adjust R3249 for 1/2" overscan on both sides of the picture.

### FOCUS ADJUSTMENT

Connect a color bar pattern to the receiver and adjust the user controls for a good picture. Adjust the Focus control for the best and sharpest Focus.

## SERVICE ADJUSTMENTS (Service Menu)

### ADJUSTING RGB CUTOFF

The G2 control must be adjusted before RGB drive.

1. If the main module or CRT has been replaced, select "Cool" in the user video menu under Color Temp. Then set items G Gain1 (Green gain cool) and B Gain 1 (Blue gain cool), in the Service menu to the default setting for correct screen size as listed in the Service Menu (See Table 1). Set color level and contrast to minimum, and Tint to mid range.
2. Enter the Service menu to gain access to the cutoff adjustments. (Factory mode item 00 must be set to 1 to gain access to these adjustments).

	TABLE 1	
	GB-1, 2, 3	
Tube Size	25/27"	32/36"
RF Bright	40	40
Aux. Bright	40	40
<b>Color Temp</b>	<b>Cool</b>	<b>Cool</b>
Red Cut 1	15	15
Green Cut 1	8	5
Blue Cut 1	12	12
Green Gain 1	95	100
Blue Gain 1	70	80
<b>Color Temp</b>	<b>Warm</b>	<b>Warm</b>
Red Cut 2	15	16
Green Cut 2	10	8
Blue Cut 2	17	16
Green Gain 2	70	75
Blue Gain 2	25	32

3. Connect the output of an NTSC generator to the antenna input of the receiver, set the generator to a Pure white signal, chroma off.
4. Set items 22 R Cut, 23 G Cut and 24 B Cut to the values in table 1.
5. Carefully observe which color is predominant on the CRT. **Do Not** adjust the cutoff control of this color. Adjust the other two cutoff controls for the best white screen display.
6. Set the generator to a color bar pattern and turn the chroma Off. Check that set displays a good gray scale from black to white. If black level is too high, readjust item #9 RF brightness .
7. Return the color level control to preset.
 

R Cut 2 Warm = R Cut 1 Cool +5  
 G Cut2 Warm = G Cut Cool +2  
 G Cut2 Warm = B Cut1 Cool -3  
 G Gain2 Warm = G Gain1 Cool -25  
 B Gain2 Warm = B Gain Cool -45
8. Select Warm in the user video menu under Color Temp. Then adjust items R Cut, G Cut, B Cut, G Gain 2 and B Gain 2 according to the formulas above.
9. Select "Cool" in the user video menu under Color Temp. Then adjust items R Cut, G Cut, B Cut, G Gain 1 and B Gain 1 according to the formula above.

## SERVICE ADJUSTMENTS

### VIDEO DETECTOR

If there is no viewable picture on the screen, access the Service Menu and check default settings on the following items:

#05 Band This should be set to 0.

#18 RF AGC This should be at least 40.

#22 PIF VCO Set this to 40.

Tune in a good off the air signal. Place a high impedance meter at pin 44 of ICX2200 or R1219.

Adjust item #22 for 2.5 volts DC.

**NOTE: This is the AFC crossover point.**

### AGC DELAY

With a strong noise free antenna signal, adjust item #18 RF AGC on the Service Menu to a lower setting until the signal gets noisier. Increase the setting for a noise free picture.

**NOTE: If the setting goes too high above 40, the tuner input will overload. Under certain conditions, beats will also occur in the picture.**

A more accurate method is to apply a channel 6 signal at 750u V at 75 ohms to the antenna. Then adjust Service Menu item #18 RF AGC until the tuner AGC drops 1 volt DC from typical. Voltage can be measured at the positive lead of capacitor C6028.

### AUDIO DETECTOR

The audio detection for all GB sets is the same. The signal from the video detector on pin 47 of ICX2200 video processor, is bandpassed through U1200 4.5Mhz to the limiter input, pin 52.

### AUDIO DETECTION ADJUSTMENT

L1205 is the detection coil. Apply a signal with a pattern generator, including an audio signal.

To adjust the audio detection coil, monitor DC voltage on pin 54 of ICX2200 and set coil to 4VDC. This voltage corresponds to a point where detection is tuned to have the maximum audio output from ICX2200. After detection, the audio signal is output at pin 53 for deemphasis. The signal is inputted again on pin 54 through the attenuator for proper level.

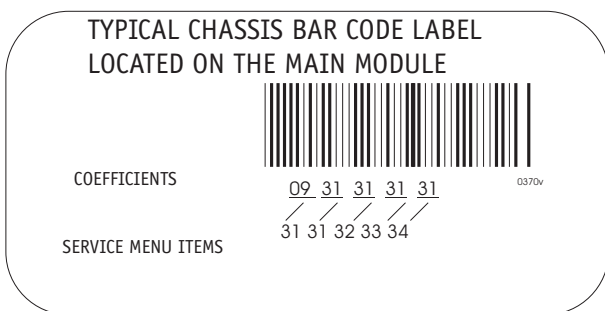
### STEREO LEVEL ADJUSTMENT

Service Menu item #16 AudLvl should not be changed unless ICX2200 has been replaced on the main chassis.

1. Place a high impedance AC meter on jumper W1611. Connect the ground lead to jumper W1603.  
Connect a 4700 pfd capacitor from the positive side of C1211 to ground lead jumper W49 on main board.
2. Interrupt the main AC power to reset the microprocessor.
3. Apply an RF signal with good video and audio at 400 Hz and 100% modulation.
4. Bring up item #16 AudLvl and adjust setting for 490 to 500 mv AC.

### ENTER THE COEFFICIENTS

(Bar code data) Will be found on a label attached to the chassis. Enter these settings in their appropriate locations in the Service Menu items 30 through 34 (Starting with the left-most two digits for item 30)



# SERVICE ADJUSTMENTS

## PURITY & CONVERGENCE SET-UP PROCEDURE

### PRELIMINARY SET-UP

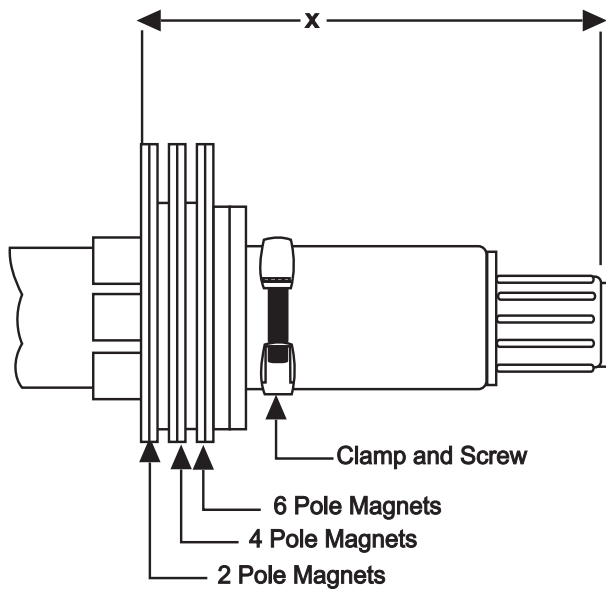
1. Allow the receiver to warm up for 15 to 20 minutes.
2. Degauss the CRT.
3. Connect a crosshatch generator to the receiver and "rough in" the static (center) convergence. Follow the Convergence Procedure.
4. Adjust for best focus.

### PURITY ADJUSTMENT

1. Purity tab positioning.  
Set the 2 pole purity tabs together in the 3 or 9 o'clock positions and the 4 and 6 pole purity tabs together in the 12 or 6 o'clock positions.
2. Move yoke to the maximum forward funnel position.
3. Now switch the crosshatch generator to a red field.
4. Pull the yoke toward the rear of the CRT neck centered or red raster is displayed.
5. If the red raster is not displayed as a pure red field, adjust the 2 pole purity tabs until a pure field is obtained.
6. Check for proper yoke tilt setting.

### CONVERGENCE ADJUSTMENT

1. Release locking assembly.
2. Connect crosshatch generator to the receiver and adjust static (center) convergence as follows:
  - a. Adjust the 4 pole static control by moving the two tabs separately to converge the red and blue lines horizontally. Move the two tabs together around the neck of the CRT (in a 45° arc) from the top dead center position to converge the red and blue lines vertically.
  - b. After the 4 pole control has been adjusted to super-impose the red and blue lines on top of one another. Use the 6 pole static adjustment to place the converged red and blue lines over the green line. Move the two tabs together around the neck of the CRT (in a 30° arc) from the top dead center position to move the lines vertically. Adjusting the two tabs separately will move converged beam to the left or right. Using a cross hatch generator capable of producing individual fields, adjust generator to produce a red field. Use the purity tabs to center a red stripe.



CRT Ring Location Purity  
Adjust Tabs Beam Movement  
for Convergence

Ring Pairs	Rotation direction of Both Tabs	Movement of Red and Blue Beams
6 Pole Convergence R&B over G	Opposite	$\leftarrow \textcircled{B}$ OR $\textcircled{B} \rightarrow$ $\leftarrow \textcircled{R}$ OR $\textcircled{R} \rightarrow$
	Same	$\uparrow \textcircled{B}$ $\uparrow \textcircled{R}$ OR $\downarrow \textcircled{B}$ $\downarrow \textcircled{R}$
4 Pole Convergence R over B	Opposite	$\leftarrow \textcircled{B}$ OR $\textcircled{B} \rightarrow$ $\textcircled{R} \rightarrow$ OR $\leftarrow \textcircled{R}$
	Same	$\uparrow \textcircled{B}$ $\downarrow \textcircled{R}$ OR $\downarrow \textcircled{B}$ $\uparrow \textcircled{R}$

## SERVICE ADJUSTMENTS

### VERTICAL-TILT WEDGE ADJUSTMENT

The vertical lines at 6 and 12 o'clock are converged by vertically tilting the yoke and inserting a wedge at the top of the yoke until it is firmly seated between the CRT glass and the horizontal coils.

### HORIZONTAL-TILT WEDGE ADJUSTMENT

The vertical lines at 3 o'clock and 9 o'clock are converged by horizontally tilting the yoke and inserting a wedge.

First, at 4 or 8 o'clock, whichever has the larger space, until it is firmly seated between the CRT glass and yoke coils. Then insert the 3rd wedge in the remaining horizontal tilt position until firmly seated between the CRT glass and yoke coils. Convergence at 3 and 9 o'clock should be maintained during this operation.

When the 3 wedges are firmly installed for acceptable convergence lock the wedges in place by applying a strip of tape (2.5 inches long) across the tabs of each wedge, firmly against the CRT glass. The CRT glass surface should be clean and free of dust and other foreign material.

### UNUSUAL TILT CASE

There may be some cases where the picture tube and yoke will require vertical tilt in the opposite (or up) direction to obtain convergence. In such cases, insert the vertical tilt wedge at the bottom (or "6" o'clock) position. Follow through the horizontal tilt adjustment by using the 2 and 10 o'clock position and secure each wedge with a piece of tape as described above.

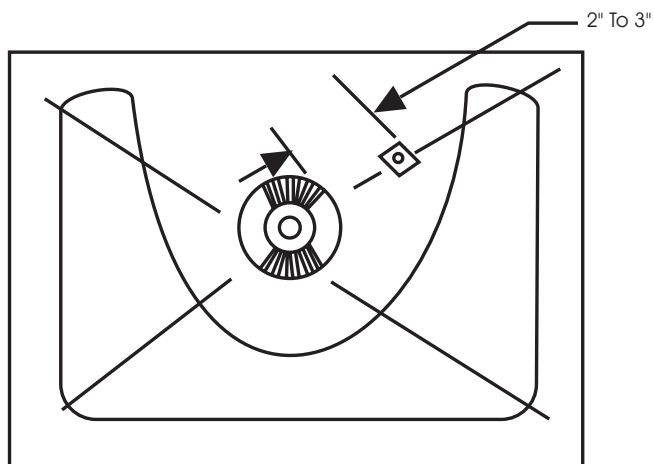
### IMPROVING CRT CORNER PURITY

CRT's that display corner purity problems even after following service procedures can be modified with a picture correction kit (P/N 949-50). The purity can be improved by placing a picture correction magnet (included in the kit) on the CRT funnel. Refer to the following modification steps and illustration to place the magnet properly. Fully degauss the CRT before installing correction magnets.

### MODIFICATION

1. Place the magnet on the CRT funnel as shown, in the quadrant exhibiting impurity.
2. Rotate the magnet in place to the position shown for best purity.
3. Place a piece of 1/2" by 2" Fiberglass tape over the magnet to hold it in place.

**NOTE: If the magnet is placed over the internal magnet shield, any apparent purity correction will disappear after degaussing. Reposition the correction magnet off the internal shield and degauss again**



# GB MODEL PARTS LIST

PART #	DESCRIPTION
<b>A25B33W</b>	
009-02022	MODULE MAIN, SINGLE PIP
012-10571 (4)	METAL STAMPING BRACKET, CRT MOUNTING
012-10694 (2)	METAL STAMPING BRACKET, CRT SUPPORT
012-10857-01	JACK PACK MOLDED PLASTIC
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET REAR TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY , 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
<b>095-04456-03</b>	<b>TRANSFORMER DEFLECTION YOKE</b>
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
<b>A-18588-01</b>	<b>LINE CORD ASSY WITH YEONHO CONNECTOR</b>
A-18695-10	GND STRAP ASSY CRT
<b>A63AGD01X</b>	<b>VACUUM TUBE CRT, COLOR, 25 INCH DIAGONAL</b>
F-50825	KEYBOARD ASSY. 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A25B33W4</b>	
009-02022	MODULE MAIN, SINGLE PIP
012-10571 (4)	METAL STAMPING BRACKET, CRT MOUNTING
012-10694 (2)	METAL STAMPING BRACKET, CRT SUPPORT
012-10857-01	JACK PACK MOLDED PLASTIC
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET REAR TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY , 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
<b>095-04456-03</b>	<b>TRANSFORMER DEFLECTION YOKE</b>
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
<b>A-18681-01</b>	<b>LINE CORD ASSY WITH YEONHO CONNECTOR</b>
A-18695-10	GND STRAP ASSY CRT
<b>A63AGD01X</b>	<b>VACUUM TUBE CRT, COLOR, 25 INCH DIAGONAL</b>
F-50825	KEYBOARD ASSY. 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A25B33W7</b>	
009-02046	MODULE MAIN 25V SINGLE PIP
012-10694 (2)	METAL STAMPING BRACKET, CRT SUPPORT
012-10832 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10832-01 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET REAR TV, MOLDED PLASTIC
020-04330-35	DEGAUSSER COIL
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL

PART #	DESCRIPTION
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
<b>095-04456-05</b>	<b>TRANSFORMER DEFLECTION YOKE</b>
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
<b>A-18588-01</b>	<b>LINE CORD ASSY WITH YEONHO CONNECTOR</b>
A-18695-02	GND STRAP ASSY CRT
<b>A63AGD01X</b>	<b>VACUUM TUBE CRT, COLOR, 25 INCH DIAGONAL</b>
F-50825	KEYBOARD ASSY W / IR DET.
F-52121	IR MOUNT & BRACKET ASSY
<b>A25B33W74</b>	
009-02046	MODULE MAIN 25V SINGLE PIP
012-10694	METAL STAMPING BRACKET, CRT SUPPORT (2)
012-10832	METAL STAMPING BRACKET, CRT MOUNTING (2)
012-10832-01	METAL STAMPING BRACKET, CRT MOUNTING (2)
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET REAR TV, MOLDED PLASTIC
020-04330-35	DEGAUSSER COIL
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
<b>095-04456-05</b>	<b>TRANSFORMER DEFLECTION YOKE</b>
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335	WEDGE YOKE SPACER / POSITIONER (3)
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
<b>A-18681-01</b>	<b>LINE CORD ASSY WITH YEONHO CONNECTOR</b>
A-18695-02	GND STRAP ASSY CRT
<b>A63AFW36X</b>	<b>VACUUM TUBE CRT, COLOR , 25 INCH DIAGONAL</b>
F-50825	KEYBOARD ASSY W / IR DET.
F-52121	IR MOUNT & BRACKET ASSY
<b>A25B33W8</b>	
009-02046	MODULE MAIN 25V SINGLE PIP
012-10694 (2)	METAL STAMPING BRACKET, CRT SUPPORT
012-10832 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10832-01 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET FRONT TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
<b>095-04531</b>	<b>TRANSFORMER DEFLECTION YOKE</b>
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335 (3)	WEDGE YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.

# GB MODEL PARTS LIST

PART #	DESCRIPTION
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-02	GND STRAP ASSY CRT
A63AFW36X	VACUUM TUBE CRT, COLOR , 25 INCH DIAGONAL
F-50825	KEYBOARD ASSY W / IR DET.
F-52121	IR MOUNT & BRACKET ASSY
<b>A25B33W84</b>	
009-02046	MODULE MAIN 25V SINGLE PIP
012-10694 (2)	METAL STAMPING BRACKET, CRT SUPPORT
012-10832 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10832-01 (2)	METAL STAMPING BRACKET, CRT MOUNTING
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12038-02	CABINET TRAY TV, MOLDED PLASTIC
014-12229-15	CABINET FRONT TV, MOLDED PLASTIC
014-12230-03	CABINET FRONT TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
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124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
152-00335 (3)	WEDGE YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00887	LENS INFRARED
206-03374	INSTR BOOK OPERATION GUIDE
A-07690-06	MAGNET ASSY, STATIC CONVERGENCE & PURITY
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-02	GND STRAP ASSY CRT
A63AFW36X	VACUUM TUBE CRT, COLOR , 25 INCH DIAGONAL
F-50825	KEYBOARD ASSY W / IR DET.
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B33W</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH BUTTON , 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER/POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03374	INSTR BOOK OPERATION GUIDE
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A68AGD02X	VACUUM TUBE CRT, COLOR , 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B33W4</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC

PART #	DESCRIPTION
020-04330-35	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH BUTTON , 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER/POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03374	INSTR BOOK OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A68AGD02X	VACUUM TUBE CRT, COLOR , 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B33W8</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH BUTTON , 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER/POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03374	INSTR BOOK OPERATION GUIDE
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A68AGD02X	VACUUM TUBE CRT, COLOR , 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B33W84</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC
020-04330-35	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH BUTTON , 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASS, 2.5MM 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER/POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.



# GB MODEL PARTS LIST

PART #	DESCRIPTION
206-03374	INSTR BOOK OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A68AGD02X	VACUUM TUBE CRT, COLOR , 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B41W</b>	
009-02002	MODULE MAIN, 2-TUNER PIP, 27V GB2 CHASSIS
012-10857	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-63	SPACE COMM& TRANSMITTER (MBR3458A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE, YOKE SPACER/ POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03375	INSTR BOOK OPERATION GUIDE
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY, CRT
A-18766	KEYBOARD ASSY 6 BUTTON, 27V GB CHASSIS
A68AGD02X	VACUUM TUBE CRT, COLOR, 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B41W4</b>	
009-02002	MODULE MAIN, 2-TUNER PIP, 27V GB2 CHASSIS
012-10857	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-63	SPACE COMM& TRANSMITTER (MBR3458A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE, YOKE SPACER/ POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03375	INSTR BOOK OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY, CRT
A-18766	KEYBOARD ASSY 6 BUTTON, 27V GB CHASSIS
A68AGD02X	VACUUM TUBE CRT, COLOR, 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B41W8</b>	
009-02002-01	MODULE MAIN, 2-TUNER PIP, 27V GB2 CHASSIS
012-10857	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6 POSITION

PART #	DESCRIPTION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-63	SPACE COMM& TRANSMITTER (MBR3458A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
162-00046	IR DETECTOR
192-00923	LENS IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY, CRT
A-18766	KEYBOARD ASSY 6 BUTTON, 27V GB CHASSIS
A-19058-01	CRT & YOKE ASSY
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B41W84</b>	
009-02002-01	MODULE MAIN, 2-TUNER PIP, 27V GB2 CHASSIS
012-10857	JACK PACK MOLDED PLASTIC COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-63	SPACE COMM& TRANSMITTER (MBR3458A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
162-00046	IR DETECTOR
192-00923	LENS IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-12	GND STRAP ASSY, CRT
A-18766	KEYBOARD ASSY 6 BUTTON, 27V GB CHASSIS
A-19058-01	CRT & YOKE ASSY
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B43W</b>	
009-02006	MODULE MAIN, 2-TUNER PIP/ BBE
012-10857	JACK PACK , MOLDED PLASTIC
014-12253-14	CABINET FRONT TV, MOLDED PLASTIC
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
020-04330-09	COIL DEGAUSSER
046-10570-01	KNOB ARRAY PUSH BUTTON , 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02361	CONNECTOR & CABLE ASSY, 35V CTV YOKE
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 2 UP (SPKS)
124-00219-01	SPACE COMM& TRANSMITTER, TRAKBALL TRK4000
138-01938-04	CABINET GRILLE, CLOTH OVER PLASTIC
162-00046	IR DETECTOR
192-00903	CRYSTAL WINDOW IR
206-03376	INSTR BOOK, OPERATION GUIDE
A-18295	KEYBOARD ASSY WITH IR
A-18378	CRT ASSY. W / DEFLECTION YOKE & BEAM BENDER
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-06	GND STRAP ASSY, CRT
F-52121	IR MOUNT & BRACKET ASSY
<b>A27B43W4</b>	
009-02006	MODULE MAIN, 2-TUNER PIP/ BBE



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.



# GB MODEL PARTS LIST

PART #	DESCRIPTION
012-10857	JACK PACK , MOLDED PLASTIC
014-12253-14	CABINET FRONT TV, MOLDED PLASTIC
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
020-04330-09	COIL DEGAUSSER
046-10570-01	KNOB ARRAY PUSH BUTTON , 10 POSITION
049-01368-03 (2)	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02361	CONNECTOR & CABLE ASSY, 35V CTV YOKE
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT 1 UP (SPKR)
124-00219-01	SPACE COMM& TRANSMITTER, TRAKBALL TRK4000
138-01938-04	CABINET GRILLE, CLOTH OVER PLASTIC
162-00046	IR DETECTOR
192-00903	CRYSTAL WINDOW IR
206-03376	INSTR BOOK, OPERATION GUIDE
A-18295	KEYBOARD ASSY WITH IR
A-18378	CRT ASSY. W / DEFLECTION YOKE & BEAM BENDER
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-06	GND STRAP ASSY, CRT
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B41W</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-09	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE
124-00212-51	SPACE COMM& TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS & IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-15947-01	BEAM BENDER ASSY
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B41W4</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-18	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE, 110 DEGREE
124-00212-51	SPACE COMM& TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS & IR

PART #	DESCRIPTION
206-03375	INSTR BOOK, OPERATION GUIDE
A-15947-01	BEAM BENDER ASSY
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B41W7</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-09	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04517-01	DEFLECTION YOKE FINAL, COLOR TV 32V
124-00212-51	SPACE COMM& TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROL & IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B41W74</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-18	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04517-01	DEFLECTION YOKE FINAL, COLOR TV 32V
124-00212-51	SPACE COMM& TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROL & IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B43W</b>	
009-01560-01	MODULE VELOCITY MODULATION, C8 CHASSIS
009-02007	MODULE MAIN, 2-TUNER PIP/ BBE, 32V GB3 CHASSIS



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# GB MODEL PARTS LIST

PART #	DESCRIPTION
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-11	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
030-01526	DECORATIVE ITEM LOGO, ZENITH
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED, 2 CIRCUIT
050-02312-08	CONN. & CABLE ASSY, SHIELDED, 3 CIRCUIT, 4Q9/9Q4
050-02576	CONN. & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP, (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE, 110 DEGREE
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01949-02	CABINET GRILLE, CLOTH OVER PLASTIC
149-00632	CORE EMI FERRITE, A-18143 ASSY
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00915	LENS INFRARED
206-03376	INSTR BOOK, OPERATION GUIDE
A-18143	COIL ASSY, SVM
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-50825	KEYBOARD ASSY, 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B43W4</b>	
009-01560-01	MODULE VELOCITY MODULATION, C8 CHASSIS
009-02007	MODULE MAIN, 2-TUNER PIP/ BBE, 32V GB3 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-20	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
030-01526	DECORATIVE ITEM LOGO, ZENITH
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED, 2 CIRCUIT
050-02312-08	CONN. & CABLE ASSY, SHIELDED, 3 CIRCUIT, 4Q9/9Q4
050-02576	CONN. & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP, (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE, 110 DEGREE
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01949-02	CABINET GRILLE, CLOTH OVER PLASTIC
149-00632	CORE EMI FERRITE, A-18143 ASSY
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00915	LENS INFRARED
206-03376	INSTR BOOK, OPERATION GUIDE
A-18143	COIL ASSY, SVM
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-50825	KEYBOARD ASSY, 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY

PART #	DESCRIPTION
<b>A32B43W7</b>	
009-01560-01	MODULE VELOCITY MODULATION, C8 CHASSIS
009-02007	MODULE MAIN, 2-TUNER PIP/ BBE, 32V GB3 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-16	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
030-01526	DECORATIVE ITEM LOGO, ZENITH
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED, 2 CIRCUIT
050-02312-08	CONN. & CABLE ASSY, SHIELDED, 3 CIRCUIT, 4Q9/9Q4
050-02576	CONN. & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP, (SPKS)
095-04517-01	DEFLECTION YOKE FINAL, COLOR TV 32V
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01949-02	CABINET GRILLE, CLOTH OVER PLASTIC
149-00632	CORE EMI FERRITE, A-18143 ASSY
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00915	LENS INFRARED
206-03376	INSTR BOOK, OPERATION GUIDE
A-18143	COIL ASSY, SVM
A-18588-01	LINE CORD ASSY WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-50825	KEYBOARD ASSY, 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B43W74</b>	
009-01560-01	MODULE VELOCITY MODULATION, C8 CHASSIS
009-02007	MODULE MAIN, 2-TUNER PIP/ BBE, 32V GB3 CHASSIS
012-10769-01 (4)	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK, MOLDED PLASTIC
014-12284-20	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
030-01526	DECORATIVE ITEM LOGO, ZENITH
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED, 2 CIRCUIT
050-02312-08	CONN. & CABLE ASSY, SHIELDED, 3 CIRCUIT, 4Q9/9Q4
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04517-01	DEFLECTION YOKE FINAL, COLOR TV 32V
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01949-02	CABINET GRILLE, CLOTH OVER PLASTIC
149-00632	CORE EMI FERRITE, A-18143 ASSY
152-00335 (3)	WEDGE, YOKE SPACER / POSITIONER
152-00335-01 (2)	WEDGE, CRT SPACER
162-00046	IR DETECTOR
192-00915	LENS INFRARED
206-03376	INSTR BOOK, OPERATION GUIDE
A-18143	COIL ASSY, SVM
A-18681-01	LINE CORD ASSY WITH YEONHO CONNECTOR



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# GB MODEL PARTS LIST

PART #	DESCRIPTION
A-18695-03	GND STRAP ASSY, CRT
A81AG250X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-50825	KEYBOARD ASSY, 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A32B84R</b>	
002-04084-14	CABINET BACK, PRESSED WOOD
009-02003	MODULE, MAIN, 2-TUNER PIP
012-10857	JACK PACK, MOLDED PLASTIC COVER
014-12272-01	CABINET MAIN, TV WOOD
020-04330-33	COIL, DEGAUSSER
024-03423	COVER, CONTROLS
030-01455-21	DECORATIVE ITEM, CABINET HARDWARE
040-00550-02	HINGE, WIRE
040-00550-03	HINGE, WIRE
049-01257-08	SPEAKER, OVAL
050-01697-13	CONNECTOR & CABLE ASSY, 2.5MM, 3 CONTACT, 2 UP
050-01699-20	CONNECTOR & CABLE ASSY, 2.5 MM, 5 CONTACT, 2 UP
050-02576-01	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP
057-09069-25	ESCUTCHEON, TV, MOLDED PLASTIC
095-04208-01	TRANSFORMER, DEFLECTION YOKE, 110 DEGREE
A81AG250X	VACUUM TUBE, CRT, COLOR, 32 INCH DIAGONAL
124-00215-01	SPACE COMMAND TRANSMITTER, TV/VCR PLUS, GEM4002
152-00335	WEDGE, YOKE SPACER/POSITIONER
206-03375	INSTR BOOK, OPERATION GUIDE
A-15947-01	BEAM BENDER ASSEMBLY
A-17869	DETECTOR/AMP ASSEMBLY, INFRARED
A-18681-01	LINE CORD ASSY, WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
A-19122	ESCUTCHEON ASSY
F-53074	KEYBOARD ASSY, 10 BUTTON
<b>A32B86R</b>	
002-04104-01	CABINET BACK
009-02003	MODULE, MAIN, 2-TUNER PIP
012-09601	METAL STAMPING, STRIKER PLATE
012-10857	JACK PACK, MOLDED PLASTIC COVER
014-12203-01	CABINET REAR, TV, MOLDED PLASTIC
014-12334	CABINET MAIN, TV, WOOD
020-04330-33	COIL, DEGAUSSER
040-00567	HINGE
049-01257-08	SPEAKER, OVAL
050-02576-01	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP
057-09069-25	ESCUTCHEON, TV, MOLDED PLASTIC
095-04208-01	TRANSFORMER, DEFLECTION YOKE, 110 DEGREE
A81AG250X	VACUUM TUBE, CRT,COLOR, 32 INCH DIAGONAL
110-00687-60	GRILLE CLOTH, RECTANGULAR
124-00215-01	SPACE COMMAND TRANSMITTER, TV/VCR PLUS, GEM4002
152-00335	WEDGE, YOKE SPACER/POSITIONER
192-00876	CRYSTAL WINDOW , IR
206-03375	INSTR BOOK, OPERATION GUIDE
A-15947-01	BEAM BENDER ASSEMBLY
A-18681-01	LINE CORD ASSY, WITH YEONHO CONNECTOR
A-18695-03	GND STRAP ASSY, CRT
F-53264	CONTROL PANEL
<b>A36B41W</b>	
009-02005	MODULE MAIN, 2-TUNER PIP
012-10781 (4)	METAL STAMPING BRACKET
012-10857	JACK PACK MOLDED PLASTIC
014-12269-08	CABINET FRONT TV, MOLDED
014-12270-12	CABINET REAR TV, MOLDED
020-04330-34	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL

PART #	DESCRIPTION
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-51	SPACE COMM & TRANSMITTER (MBR34447)
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS
206-02953	CARD OWNERS REGISTRATION
206-03375	INSTR BOOK OPERATION GUIDE
A-18483	CRT ASSY WITH DEFLECTION YOKE
A-18588-01	LINE CORD ASSY
A-18695-04	GND STRAP ASSY CRT
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A36B41W4</b>	
009-02005	MODULE MAIN, 2-TUNER PIP
012-10781 (4)	METAL STAMPING BRACKET
012-10857	JACK PACK MOLDED PLASTIC
014-12269-08	CABINET FRONT TV, MOLDED
014-12270-12	CABINET REAR TV, MOLDED
020-04330-34	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-51	SPACE COMM& TRANSMITTER (MBR34447)
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS
206-02953	CARD OWNERS REGISTRATION
206-03375	INSTR BOOK OPERATION GUIDE
A-18483	CRT ASSY WITH DEFLECTION YOKE
A-18681-01	LINE CORD ASSY
A-18695-04	GND STRAP ASSY CRT
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A36B41W8</b>	
009-02023	MODULE MAIN, 2-TUNER PIP
012-10781 (4)	METAL STAMPING BRACKET
012-10857	JACK PACK MOLDED PLASTIC
014-12269-08	CABINET FRONT TV, MOLDED
014-12270-12	CABINET REAR TV, MOLDED
020-04330-34	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02361	CONNECTOR & CABLE ASS, 35V CTV YOKEY
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
124-00212-51	SPACE COMM& TRANSMITTER (MBR34447)
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS
206-02953	CARD OWNERS REGISTRATION
206-03375	INSTR BOOK OPERATION GUIDE
206-03429	INSTR SHEET EASY SETUP
A-18588-01	LINE CORD ASSY
A-18639	CRT ASSY W / DEFLECTION YOKE & BEAM BENDER
A-18695-04	GND STRAP ASSY CRT
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A36B41W84</b>	
009-02023	MODULE MAIN, 2-TUNER PIP
012-10781 (4)	METAL STAMPING BRACKET



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.

# GB MODEL PARTS LIST

PART #	DESCRIPTION
012-10857	JACK PACK MOLDED PLASTIC
014-12269-08	CABINET FRONT TV, MOLDED
014-12270-12	CABINET REAR TV, MOLDED
020-04330-34	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02361	CONNECTOR & CABLE ASSY, 35V CTV YOKE
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
124-00212-51	SPACE COMM& TRANSMITTER (MBR34447)
162-00046	IR DETECTOR
192-00912	LENS PRIMARY CONTROLS
206-02953	CARD OWNERS REGISTRATION
206-03375	INSTR BOOK OPERATION GUIDE
206-03429	INSTR SHEET EASY SETUP
A-18639	CRT ASSY W / DEFLECTION YOKE & BEAM BENDER
A-18681-01	LINE CORD ASSY
A-18695-04	GND STRAP ASSY CRT
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A36B43W</b>	
009-01560-03	MODULE VELOCITY MODULATION
009-02008	MODULE 2-TUNER PIP/ BBE
012-10781 (4)	METAL STAMPING BRACKET
012-10857	JACK PACK MOLDED PLASTIC
014-12268-19	CABINET FRONT TV, MOLDED PLASTIC
014-12270-12	CABINET REAR TV, MOLDED PLASTIC
020-04330-34	COIL DEGAUSSER
024-03436-01	COVER JACK PANEL
030-01505-03	DECORATIVE ITEM OVERLAY
030-01526	DECORATIVE ITEM LOGO, ZENITH
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED 2 CIRCUIT
050-02312-08	CONNECTOR & CABLE ASSY, SHIELDED 3 CIRCUIT
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01958-04	CABINET GRILLE, CLOTH OVER PLASTIC FRAME, LEFT SIDE
138-01958-05	CABINET GRILLE, CLOTH OVER PLASTIC FRAME, RIGHT SIDE
162-00046	IR DETECTOR
192-00911	CRYSTAL WINDOW IR, MOLDED PLASTIC
206-02953	CARD OWNERS REGISTRATION
206-03376	INSTR BOOK OPERATION GUIDE
A-18483	CRT ASSY WITH DEFLECTION YOKE
A-18588-01	LINE CORD ASSY
A-18695-04	GND STRAP ASSY CRT
F-50825	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>A36B43W4</b>	
009-01560-03	MODULE VELOCITY MODULATION
009-02008	MODULE 2-TUNER PIP/ BBE
012-10781 (4)	METAL STAMPING BRACKET
012-10857	JACK PACK MOLDED PLASTIC
014-12268-19	CABINET FRONT TV, MOLDED PLASTIC
014-12270-12	CABINET REAR TV, MOLDED PLASTIC
020-04330-34	COIL DEGAUSSER
024-03436-01	COVER JACK PANEL
030-01505-03	DECORATIVE ITEM OVERLAY
030-01526	DECORATIVE ITEM LOGO, ZENITH

PART #	DESCRIPTION
046-10561	KNOB ARRAY PUSH BUTTON, 10 POSITION
049-01368-03 (2)	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02311-09	CONNECTOR & CABLE ASSY, SHIELDED 2 CIRCUIT
050-02312-08	CONNECTOR & CABLE ASSY, SHIELDED 3 CIRCUIT
050-02576-05	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
124-00219-01	SPACE COMM& TRANSMITTER (TRK4000)
138-01958-04	CABINET GRILLE, CLOTH OVER PLASTIC FRAME, LEFT SIDE
138-01958-05	CABINET GRILLE, CLOTH OVER PLASTIC FRAME, RIGHT SIDE
162-00046	IR DETECTOR
192-00911	CRYSTAL WINDOW IR, MOLDED PLASTIC
206-02953	CARD OWNERS REGISTRATION
206-03376	INSTR BOOK OPERATION GUIDE
A-18483	CRT ASSY WITH DEFLECTION YOKE
A-18588-01	LINE CORD ASSY
A-18695-04	GND STRAP ASSY CRT
F-50825	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA29B33WM</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK, MOLDED PLASTIC
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON, 6 POSITION
049-01368-03 (2)	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER / POSITIONER
162-00046	IR DETECTOR
192-00923	LENS IR
206-03384	INSTR BOOK OPERATION GUIDE
A-14323	BALUN ASSY
A-18588-01	LINE CORD ASSY
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 POSITION
A68AGD02X	VACUUM TUBE CRT, COLOR 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA29B33WM4</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK, MOLDED PLASTIC
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON, 6 POSITION
049-01368-03 (2)	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM 5 CONTACT, 2UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM 4 CONTACT, 1 UP (SPKS)
095-03797-05	TRANSFORMER DEFLECTION YOKE
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
152-00335 (3)	WEDGE YOKE SPACER / POSITIONER
162-00046	IR DETECTOR



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.



# GB MODEL PARTS LIST

PART #	DESCRIPTION
192-00923	LENS IR
206-03384	INSTR BOOK OPERATION GUIDE
A-14323	BALUN ASSY
A-18681-01	LINE CORD ASSY
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 POSITION
A68AGD02X	VACUUM TUBE CRT, COLOR 27 INCH DIAGONAL
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA29B33WM8</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC, COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-01	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6-POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
162-00046	IR DETECTOR
192-00923	LENS IR
206-03384	INSTR BOOK OPERATION GUIDE ZENITH, SPANISH
A-14323	BALUN ASSY
A-18588-01	LINE CORD ASSY
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A-19058-01	CRT & YOKE ASSY
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA29B33WM84</b>	
009-01999	MODULE MAIN, SINGLE PIP
012-10857-01	JACK PACK MOLDED PLASTIC, COVER
014-12254-06	CABINET REAR TV, MOLDED PLASTIC
014-12317-02	CABINET FRONT TV, MOLDED PLASTIC
020-04330-30	COIL DEGAUSSER
046-10589	KNOB ARRAY PUSH-BUTTON 6-POSITION
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
124-00212-64	SPACE COMM& TRANSMITTER (MBR3457A)
138-01964	CABINET GRILLE CLOTH OVER PLASTIC FRAME (LEFT)
138-01964-01	CABINET GRILLE CLOTH OVER PLASTIC FRAME (RIGHT)
162-00046	IR DETECTOR
192-00923	LENS IR
206-03384	INSTR BOOK OPERATION GUIDE ZENITH, SPANISH
A-14323	BALUN ASSY
A-18681-01	LINE CORD ASSY
A-18695-12	GND STRAP ASSY CRT
A-18766	KEYBOARD ASSY 6 BUTTON
A-19058-01	CRT & YOKE ASSY
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA34B41WM</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK MOLDED PLASTIC, COVER
014-12284-09	CABINET FRONT TV, MOLDED PLASTIC

PART #	DESCRIPTION
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH-BUTTON
049-01368-03 (2)	SPEAKER OVAL
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE, 110 DEGREE
124-00212-51	SPACE COMM& TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE YOKE SPACER/ POSITIONER
152-00335-01 (2)	WEDGE CRT SPACER
162-00046	IR DETECTOR
192-00912	LENS, PRIMARY CONTROL & IR
206-03384	INSTR BOOK OPERATION GUIDE ZENITH, SPANISH
A-14323	BALUN ASSY
A-18588-01	LINE CORD ASSY
A-18695-03	GND STRAP ASSY CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT & BRACKET ASSY
<b>LGA34B41WM4</b>	
009-02003	MODULE MAIN, 2-TUNER PIP 32V GB2 CHASSIS
012-10769-01	METAL STAMPING BRACKET, CRT SUPPORT
012-10816	METAL STAMPING BRACKET CRT, LEFT
012-10817	METAL STAMPING BRACKET CRT, RIGHT
012-10857	JACK PACK MOLDED PLASTIC, COVER
014-12284-18	CABINET FRONT TV, MOLDED PLASTIC
014-12285-08	CABINET REAR TV, MOLDED PLASTIC
020-04330-33	COIL DEGAUSSER
046-10575	KNOB ARRAY PUSH-BUTTON
049-01368-03	SPEAKER OVAL (2)
050-01699-03	CONNECTOR & CABLE ASSY, 2.5MM, 5 CONTACT, 2 UP (KEYBRD)
050-02576	CONNECTOR & CABLE ASSY, 2.5MM, 4 CONTACT, 1 UP (SPKS)
095-04208-01	TRANSFORMER DEFLECTION YOKE, 110 DEGREE
124-00212-51	SPACE COMMAND TRANSMITTER (MBR3458)
152-00335 (3)	WEDGE YOKE SPACER/ POSITIONER
152-00335-01 (2)	WEDGE CRT SPACER
162-00046	IR DETECTOR
192-00912	LENS, PRIMARY CONTROL AND IR
206-03384	INSTR BOOK OPERATION GUIDE ZENITH, SPANISH
A-14323	BALUN ASSY
A-18681-01	LINE CORD ASSY
A-18695-03	GND STRAP ASSY CRT
A81AGZ50X	VACUUM TUBE CRT, COLOR, 32 INCH DIAGONAL
F-52060	KEYBOARD ASSY 10 POSITION
F-52121	IR MOUNT AND BRACKET ASSY



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.

# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
<b>CAPACITORS</b>			
ABCDEF	C0841	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO
ABCDEF	C0842	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C0843	022-08310-12A	CAPACITOR 100 MFD 20% 25V; ELECTRO
ABCDEF	C0851	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C0852	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C0853	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C0854	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO
ABCDEF	C0855M	022-08366-18A	CAPACITOR 6,800pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C0861	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C0862	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C0863	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C0864	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO
ABCDEF	C0865M	022-08366-18A	CAPACITOR 6,800pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1001M (\$)	022-08352-36	CAPACITOR, 100PFD 5% 50V; CERAMIC CHIP
BCF	C1002M (\$)	022-08352-32	CAPACITOR, 68PFD 5% 50V CERAMIC CHIP
BCF	C1006M (\$)	022-08366-08	CAPACITOR, 1,000 PFD 10% 50V; CERAMIC CHIP
BCF	C1007M (\$)	022-08352-16	CAPACITOR, 15PFD 5% 50V CERAMIC CHIP
BCF	C1008M (\$)	022-08366-08	CAPACITOR, 1,000PFD 10% 50V CERAMIC CHIP
BCF	C1009M (\$)	022-08352-08	CAPACITOR, 6PFD +0.5 & -0.5PFD 50V; CERAMIC CHIP
BCF	C1011M (\$)	022-08366-08	CAPACITOR, 1,000PFD 10% 50V; CERAMIC CHIP
BCF	C1012M (\$)	022-08366-08	CAPACITOR, 1,000PFD 10% 50V; CERAMIC CHIP
BCF	C1013M (\$)	022-08352-06	CAPACITOR, 4PFD -0.25 & -0.25PFD 50V; CERAMIC CHIP
BCF	C1014M (\$)	022-08366-08	CAPACITOR, 1,000PFD 10% 50V; CERAMIC CHIP
ABCDEF	C1206M	022-08352-24A	CAPACITOR 33pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDE	C1211	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1212M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1213M	022-08352-38A	CAPACITOR 120pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1215M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1216M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1217	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO

RC	REF	PART #	DESCRIPTION
ABCDEF	C1218M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1219M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1220	022-08309-13A	CAPACITOR 220 MFD 20% 16V; ELECTRO
F	C1221	022-08312-07A	CPACITOR, 4.7 MFD 20% 50V, ELECTROLYTIC
ABCDEF	C1221M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1222	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C1223M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1224M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1225M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1226M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1227M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1228M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1229	022-08312-03A	CAPACITOR 0.47 MFD 20% 50V; ELECTRO
ABCDEF	C1231M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1232	022-8312-03A	CAPACITOR 0.47 MFD 20% 50V; ELECTRO
ABCDEF	C1233	022-08308-15A	CAPACITOR 470 MFD 20% 10V; ELECTRO
ABCDEF	C1234M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1235	022-08312-03A	CAPACITOR 0.47 MFD 20% 50V; ELECTRO
ABCDEF	C1236M	022-08370-24A	CAPACITOR 22,000pF 10% 16V; CERAMIC CHIP, LEADLESS
BCF	C1250	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
BCF	C1253M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1254M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1255M	022-08366-16A	CAPACITOR 4,700pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1256	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
BCF	C1257	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
BCF	C1258	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
BCF	C1259M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1260M	022-08376-32A	CAPACITOR 100,000pF +80% & -20% 16V; CERAMIC CHIP, LEADLESS
BC	C1261M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCFF	C1262M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS

\$ = Part of A-18737 P.C. Board Assy  
 RF Splitter, 2 Tuner



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.

# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
BCF	C1263M	022-08354-23A	CAPACITOR 30pF 5% 50V; CERAMIC CHIP, LEADLESS
BC	C1264M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
BCFF	C1265M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1266	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
BCF	C1267M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1268M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1269M	022-08354-23A	CAPACITOR 30pF 5% 50V; CERAMIC CHIP, LEADLESS
BCF	C1270	022-08227-09A	CAPACITOR 0.068 MFD 5% 50V; POLY
BCF	C1271M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1272M	022-08352-22A	CAPACITOR 27pF 5% 50V; CERAMIC CHIP, LEADLESS
BCF	C1273M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1274	022-08312-03A	CAPACITOR 0.47 MFD 20% 50V; ELECTRO
BCF	C1276M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C1277M	022-08352-14A	CAPACITOR 12pF 5% 50V; CERAMIC CHIP, LEADLESS
BCF	C1278	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
BCF	C1279M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1280	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
BCF	C1281M	022-08366-12A	CAPACITOR 2,200pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1282M	022-08366-12A	CAPACITOR 2,200pF 10% 50V; CERAMIC CHIP, LEADLESS
BCF	C1283	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
BCF	C1284	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
BCF	C1285	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C1401M	022-08370-22A	CAPACITOR 15,000pF 10% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C1402M	022-08366-18A	CAPACITOR 6,800pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1403M	022-08370-22A	CAPACITOR 15,000pF 10% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C1404M	022-08366-18A	CAPACITOR 6,800pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C1406M	022-08370-24A	CAPACITOR 22,000pF 10% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C1413	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C1414	022-07669-15A	CAPACITOR 10 MFD 10% 50V; ELECTRO
ABCDEF	C1415	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C1416	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO

RC	REF	PART #	DESCRIPTION
ABCDEF	C1417	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO
ABCDEF	C1418	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C1419	022-07669-14A	CAPACITOR 3.3 MFD 10% 50V; ELECTRO
ABCDEF	C1420	022-08049-13A	CAPACITOR 0.012 MFD 10% 50V; POLY
ABCDEF	C1421	022-08257-21A	CAPACITOR 5600pF 10% 50V; DISC
ABCDEF	C1422	022-08049-20A	CAPACITOR 0.047 MFD 10% 50V; POLY
ABCDE	C1424	022-08257-17A	CAPACITOR 2700pF 10% 50V; DISC
ABCDEF	C1425	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1426	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO
ABCDEF	C1427	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO
ABCDEF	C1428	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1430	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C1431M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C1432	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1433M	022-08376-32A	CAPACITOR 100,000pF +80% & -20% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C1436	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C1440	022-08227A	CAPACITOR 0.01 MFD 5% 50V; POLY
ABCDEF	C1442	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1443	022-08312-05A	CAPACITOR 2.2 MFD 20% 50V; ELECTRO
ABCDEF	C1444	022-08227A	CAPACITOR 0.01 MFD 5% 50V; POLY
ABCDEF	C1445	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C1446	022-08312-05A	CAPACITOR 2.2 MFD 20% 50V; ELECTRO
ABCDEF	C1447	022-08309-14A	CAPACITOR 330 MFD 20% 16V; ELECTRO
ABCDEF	C1448	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C1449	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
C	C1472	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
C	C1473	022-08228-19A	CAPACITOR 0.47 MFD 10% 50V; POLY
C	C1474M	022-08366-12A	CAPACITOR 2,200pF 10% 50V; CERAMIC CHIP, LEADLESS
C	C1475M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
C	C1477	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
C	C1478	022-08228-19A	CAPACITOR 0.47 MFD 10% 50V; POLY
C	C1479M	022-08366-12A	CAPACITOR 2,200pF 10% 50V; CERAMIC CHIP, LEADLESS



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

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RC	REF	PART #	DESCRIPTION
C	C1480M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
C	C1481	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
C	C1482	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
C	C1483	022-08492-01A	CAPACITOR 1 MFD 20% 50V; NP ELECTRO
ABCDEF	C2001	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2002M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2003	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2005M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2006	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2007	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2008	022-08227-15A	CAPACITOR 0.22 MFD 5% 50V; POLY
ABCDEF	C2009M	022-08352-18A	CAPACITOR 18pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2010	022-08227-09A	CAPACITOR 0.068 MFD 5% 50V; POLY
ABCDEF	C2011M	022-08366-13A	CAPACITOR 2,700pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2012M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2013M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2014M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2015	022-08308-15A	CAPACITOR 470 MFD 20% 10V; ELECTRO
ABCDEF	C2016M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2017M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2018M	022-08376-32A	CAPACITOR 100,000pF +80% & -20% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C2019	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABFCDE	C2020M	022-8366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2021M	022-08352-18A	CAPACITOR 18pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2022	022-08308-15A	CAPACITOR 470 MFD 20% 10V; ELECTRO
ABCDEF	C2023M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2024M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2025M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2026M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2027	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY

RC	REF	PART #	DESCRIPTION
ABCDEF	C2028M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2029M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2030M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2033	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2034M	022-08352-36A	CAPACITOR 100pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2035M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2036M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2037	022-08309-11A	CAPACITOR 47 MFD 20% 16V; ELECTRO
ABCDEF	C2038M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2039	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2040	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C2042M	022-08352-31A	CAPACITOR 62pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2043M	022-08352-30A	CAPACITOR 56pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2044M	022-08352-30A	CAPACITOR 56pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2106	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2107	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2108	022-08310-11A	CAPACITOR 47 MFD 20% 25V; ELECTRO
ABCDEF	C2114	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2115	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2116	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C2119	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2202M	022-08352-14A	CAPACITOR 12pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2203	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C2204	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C2205	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C2207M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2208	022-08309-15A	CAPACITOR 470 MFD 20% 16V; ELECTRO
ABCDEF	C2209M	022-08370-24A	CAPACITOR 22,000pF 10% 16V; CERAMIC CHIP, LEADLESS
ABCDEF	C2210M	022-08352-31A	CAPACITOR 62pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2211	022-08312-05A	CAPACITOR 2.2 MFD 20% 50V; ELECTRO



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 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
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RC	REF	PART #	DESCRIPTION
ABCDEF	C2212	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2213	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C2215	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2216	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2217	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C2218	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C2219	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2220M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2221M	022-08352-24A	CAPACITOR 33pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2225M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2226	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2227M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2228	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2229	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C2234M	022-08352-24A	CAPACITOR 33pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2237M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2245	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C2257M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2901	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2902	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2903	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2904	022-08023-06A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2905	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2906	022-08023-06A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C2908	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2909M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2910	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2911M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2914	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C2915M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS

RC	REF	PART #	DESCRIPTION
ABCDEF	C2917M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2920	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2921	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
BCF	C2922	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDE	C2924	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
ABCDEF	C2925	022-08309-11A	CAPACITOR 47 MFD 20% 16V; ELECTRO
ABCDEF	C2926M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2927M	022-08352-44A	CAPACITOR 220pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2928M	022-08352-31A	CAPACITOR 62pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C2929M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2930	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO
ABCDEF	C2931	022-08188-05A	CAPACITOR 10 MFD 20% 25V; NP ELECTRO
ABCDEF	C2932M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2933M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2936M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2937M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2938M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2939M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2941M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2943M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ADE	C2948M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C2949M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C2950M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
BCF	C2951	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C3209	022-07786-17C	CAPACITOR 2200pF 10% 500V; DISC
ABCDEF	C3211	022-08049-16A	CAPACITOR 0.022 MFD 10% 50V; POLY
ABCDEF	C3214M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C3215	022-08257-08A	CAPACITOR 470pF 10% 50V; DISC
ABCDEF	C3232	022-07811A	CAPACITOR 1000pF 10% 1000V; DISC
ABCDEF	C3237	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABC	C3248	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C3269	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC



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A 9-1999 Main Module, GB1, 27V/Single PIP  
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 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
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RC	REF	PART #	DESCRIPTION
ABC	C3270	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCD	C3271	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	C3419	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	C3421	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	C3422	022-08310-13A	CAPACITOR 220 MFD 20% 25V; ELECTRO
ABCDEF	C3423	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	C3428	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C3433	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	C5104	022-07523-01B	CAPACITOR 0.01 MFD +80 % & -20 % 2000V; DISC
ABCDEF	C5108M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C5110M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C5112M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDE	C5113	022-08309-13A	CAPACITOR 220 MFD 20% 16V; ELECTRO
ABCDEFF	C5114	022-08318-04A	CAPACITOR 1 MFD 20% 350V; ELECTRO
ABCDEF	C6001M	022-08352-38A	CAPACITOR 120pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6002M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6003M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6004M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6005M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6006	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C6007M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6008M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6009	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C6010M	022-08352-19A	CAPACITOR 20pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6011M	022-08352-19A	CAPACITOR 20pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6012M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6013	022-08309-13A	CAPACITOR 220 MFD 20% 16V; ELECTRO
ABCDEF	C6014M	022-8352-22A	CAPACITOR 27pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6015M	022-08352-22A	CAPACITOR 27pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6016	022-08312-05A	CAPACITOR 2.2 MFD 20% 50V; ELECTRO
ABCDEF	C6017	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	C6018M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS

RC	REF	PART #	DESCRIPTION
ABCDEF	C6019M	022-08352-38A	CAPACITOR 120pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6020	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C6021M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6022M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABDEF	C6023M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABDEF	C6024M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6025M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6026M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6027	022-08309-15A	CAPACITOR 470 MFD 20% 16V; ELECTRO
ABCDEF	C6028	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C6029M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6030	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	C6031M	022-08366-16A	CAPACITOR 4,700pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6032	022-08312-04A	CAPACITOR 1 MFD 20% 50V; ELECTRO
ABCDEF	C6033M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6034M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6036M	022-08366-08A	CAPACITOR 1,000pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6037	022-08257-04A	CAPACITOR 220pF 10% 50V; DISC
ABCDEF	C6038M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
CF	C6039M	022-08352-46A	CAPACITOR 270pF 5% 50V; CERAMIC CHIP, LEADLESS
ABDEF	C6039M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6040M	022-08366A	CAPACITOR 220pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6041M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6042M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6043M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6044	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
ABCDEF	C6045M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6046M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6047M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6048M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6049M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

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RC	REF	PART #	DESCRIPTION
ABCDEF	C6050M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6051M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6052M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6053M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6054M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6055M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6056M	022-08368-20A	CAPACITOR 10,000pF 10% 25V; CERAMIC CHIP, LEADLESS
ABCDEF	C6058M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6059M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6060M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6061M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6062M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6063M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6064M	022-08352-28A	CAPACITOR 47pF 5% 50V; CERAMIC CHIP, LEADLESS
ABDEF	C6065M	022-08354-23A	CAPACITOR 30pF 5% 50V; CERAMIC CHIP, LEADLESS
C	C6065M	022-08352-19A	CAPACITOR 20pF 5% 50V; CERAMIC CHIP, LEADLESS
C	C6066M	022-08353-46A	CAPACITOR 270pF 10% 50V; CERAMIC CHIP, LEADLESS
ABDEF	C6066M	022-08366-04A	CAPACITOR 470pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6067M	022-08366-12A	CAPACITOR 2,200pF 10% 50V; CERAMIC CHIP, LEADLESS
ABCDEF	C6091M	022-08352-31A	CAPACITOR 62pF 5% 50V; CERAMIC CHIP, LEADLESS
DE	CX2105	022-08311-13	CAPACITOR 220 MFD 20% 35V; ELECTRO
ABCF	CX2105	022-08310-15	CAPACITOR 470 MFD 20% 25V; ELECTRO
EF	CX2109	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO
ABCDF	CX2109	022-08310-17	CAPACITOR 2200 MFD 20% 25V; ELECTRO
ABCDEF	CX2110	022-08310-13A	CAPACITOR 220 MFD 20% 25V; ELECTRO
ABCDEF	CX3003	022-08312-08A	CAPACITOR 10 MFD 20% 50V; ELECTRO
AF	CX3004	022-08312-07A	CAPACITOR 4.7 MFD 20% 50V; ELECTRO
AF	CX3007	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABC	CX3201	022-08116-04	CAPACITOR 0.022 MFD 5% 630V; POLYPROPYLENE
ABC	CX3202	022-08116-01	CAPACITOR 0.012 MFD 5% 630V; POLYPROPYLENE
ABC	CX3208	022-08057-01	CAPACITOR 4.7 MFD 20% 50V; NP ELECTRO

RC	REF	PART #	DESCRIPTION
ABCF	CX3220	022-08386-05	CAPACITOR 560pF 10% 2000V; DISC
ABCF	CX3222	022-08386-05	CAPACITOR 560pF 10% 2000V; DISC
DE	CX3229	022-08229-27	CAPACITOR 0.013 MFD 3% 1600VDC; POLYPROPYLENE
ABCF	CX3229	022-08229-29	CAPACITOR 0.016 MFD 3% 1600VDC; POLYPROPYLENE
ABCEF	CX3231	022-08386-05	CAPACITOR 560pF 10% 2000V; DISC
ABCDEF	CX3233	022-08514-11	CAPACITOR 47 MFD 20% 160V; ELECTRO
ABCDEF	CX3260	022-08315-05A	CAPACITOR 2.2 MFD 20% 160V; ELECTRO
F	CX3261	022-0823-11	CAPACITOR, 0.93 MFD 5% 200V POLUPROPLEND
E	CX3261	022-08231-13	CAPACITOR 0.56 MFD 5% 200V; POLYPROPYLENE
ABCD	CX3261	022-08231-12	CAPACITOR 0.47 MFD 5% 200V; POLYPROPYLENE
ABCDEF	CX3264	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABC	CX3272	022-08312-11A	CAPACITOR 47 MFD 20% 50V; ELECTRO
ABCDE	CX3273	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	CX3274	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
ABCDEF	CX3296	022-08317-08	CAPACITOR 10 MFD 20% 250V; ELECTRO
ABCDEF	CX3400	022-07431-06B	CAPACITOR 0.0047 MFD 20%; DISC
ABCDEF	CX3402	022-07431-06B	CAPACITOR 0.0047 MFD 20%; DISC
ABCDEF	CX3403	022-07811A	CAPACITOR 1000pF 10% 1000V; DISC
ABCDEF	CX3404	022-07811A	CAPACITOR 1000pF 10% 1000V; DISC
ABCDEF	CX3405	022-08444-11	CAPACITOR 470 MFD 20% 200V; ELECTRO
ABCDEF	CX3406	022-07811A	CAPACITOR 1000pF 10% 1000V; DISC
ABCDEF	CX3407	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO
ABCDEF	CX3408	022-07786-10C	CAPACITOR 470pF 10% 500V; DISC
ABCDEF	CX3409	022-08386-08	CAPACITOR 1000pF 10% 2000V; DISC
ABCDEF	CX3410	022-07786C	CAPACITOR 1000pF 10% 500V; DISC
ABCDEF	CX3411	022-08049-18A	CAPACITOR 0.033 MFD 10% 50V; POLY
ABCDEF	CX3412	022-07786C	CAPACITOR 1000pF 10% 500V; DISC
ABCDEF	CX3413	022-08312-09A	CAPACITOR 22 MFD 20% 50V; ELECTRO
ABCDEF	CX3415	022-08008-12	CAPACITOR .01 MFD 5% 1250V; POLYPROPYLENE
ABCDEF	CX3416	022-08310-12A	CAPACITOR 100 MFD 20% 25V; ELECTRO
ABCDEF	CX3418	022-07786-01C	CAPACITOR 220pF 10% 500V; DISC
ABCDEF	CX3420	022-08444-09	CAPACITOR 330 MFD 20% 200V; ELECTRO
ABCDEF	CX3424	022-08310-16	CAPACITOR 1000 MFD 20% 25V; ELECTRO



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RC	REF	PART #	DESCRIPTION
ABCDEF	CX3429	022-08309-13A	CAPACITOR 220 MFD 20% 16V; ELECTRO
ABCDEF	CX3430	022-08312A	CAPACITOR 0.1 MFD 20% 50V; ELECTRO
ABCDEF	CX3431	022-08310-15	CAPACITOR 470 MFD 20% 25V; ELECTRO
ABCDEF	CX3432	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
C	CX3435	022-08049-24A	CAPACITOR 0.10 MFD 10% 50V; POLY
ABCDEF	CX3436	022-08049-13A	CAPACITOR 0.012 MFD 10% 50V; POLY
ABCDEF	CX3437	022-08310-15	CAPACITOR 470 MFD 20% 25V; ELECTRO
ABCDEF	CX3438	022-08049-13A	CAPACITOR 0.012 MFD 10% 50V; POLY
ABCDEF	CX3439	022-08309-12A	CAPACITOR 100 MFD 20% 16V; ELECTRO
<b>CERAMIC FILTERS</b>			
ABCDE	U1202	224-23A	CERAMIC FILTER; 4.5MHz TRAP
BC	U1252	224-23A	CERAMIC FILTER; 4.5MHz TRAP
<b>COILS</b>			
BCF	L1001	020-04520-23	COIL RCF; AIR CORE
BCF	L1002	020-04520-24	COIL RCF; AIR CORE
BCF	L1003	020-0427-10A	1.0 COIL, MICROHENRY; RDF, FIXED
ABCDEF	L1200	020-04506A	COIL; RCF, FIXED; SHIELDED
ABCDEF	L1201	020-04277-39A	COIL; 10 MICROHENRY; RCF, FIXED
ABCDEF	L1202	020-03907-12A	COIL; 10 MICROHENRY; RCF, FIXED
ABCDEF	L1203	020-04277-23A	COIL; 12 MICROHENRY; RCF, FIXED
ABCDEF	L1205	020-04278B	COIL; RCF, TUNABLE; 7.0 MM
ABCDEF	L1206	020-04277-09A	COIL; 0.82 MICROHENRY; RCF, FIXED
ABCDEF	L1208	020-03907-25A	COIL; 120 MICROHENRY; RCF, FIXED
BCF	L1250	020-03907-24A	COIL; 100 MICROHENRY; RCF, FIXED
BCF	L1251	020-04129-22	COIL; 15 MICROHENRY; RCF, FIXED
BCF	L1252	020-04277-03A	COIL; 0.27 MICROHENRY; RCF, FIXED
BCF	L1253	020-04493A	COIL; RCF, TUNABLE
BCF	L1254	020-04493A	COIL; RCF, TUNABLE
BCF	L1255	020-04277-23A	COIL; 12 MICROHENRY; RCF, FIXED
ABCDEF	L2203	020-04277-23A	COIL; 12 MICROHENRY; RCF, FIXED
ABCDEF	L2901	020-04277-39A	COIL; 10 MICROHENRY; RCF, FIXED
ABCDEF	L2902	020-04277-20A	COIL; 6.8 MICROHENRY; RCF, FIXED
BCF	L2905	020-03907-24A	COIL; 100 MICROHENRY; RCF, FIXED
ABCDEF	L3407	020-04462-18A	COIL; 33 MICROHENRY; RCF, FIXED
ABCDEF	L5100	020-03907-28A	COIL; 220 MICROHENRY; RCF, FIXED
ABCDEF	L6000	020-03907-24A	COIL; 100 MICROHENRY; RCF, FIXED
ABCDEF	L6001	020-04129-16	COIL; 4.7 MICROHENRY; RCF, FIXED
ABCDEF	L6002	020-04277-70A	COIL; 1.8 MICROHENRY; RCF, FIXED
ABCDEF	L6003	020-04129-08	COIL; 1 MICROHENRY; RCF, FIXED
ABCDEF	L6004	020-04129-08	COIL; 1 MICROHENRY; RCF, FIXED

RC	REF	PART #	DESCRIPTION
ABCDEF	L6005	020-04129-08	COIL; 1 MICROHENRY; RCF, FIXED
ABCDEF	L6007	020-04129-16	COIL; 4.7 MICROHENRY; RCF, FIXED
ABC	LX3201	020-04530	COIL; CHOKE
DE	LX3262	020-04073-03	COIL; RCF
ABC	LX3262	020-04073-01	COIL; RCF; LINEARITY
ABCDE	LX3402	020-03907-21A	COIL; 56 MICROHENRY; RCF, FIXED
ABCDE	LX3405	020-04405-48	COIL; 100 MICROHENRY; RCF, FIXED
ABCDEF	LX3450	020-04277-23A	COIL; 12 MICROHENRY; RCF, FIXED
ABCDE	LX3450	020-03907-12A	COIL; 10 MICROHENRY; RCF, FIXED
<b>CONNECTORS</b>			
ADE		078-03525-01	CONNECTOR; COAXIAL ANTENNA; ADAPTER
BC	P0025C	050-01666-07	CONNECTOR & CABLE; ASSY, 2.5MM, 5 CONTACT, 2 UP
ABCDE	P0025F	050-01665-12	CONNECTOR & CABLE; ASSY, 2.5MM, 4 CONTACT, 2 UP
ADE	P0052C	050-01666-07	CONNECTOR & CABLE; ASSY, 2.5MM, 5 CONTACT, 2 UP
BCF	RFIN	(\$)078-036702	CONNECTOR, F-TYPE
<b>CONTROLS</b>			
BCF	R1261	063-11007-34	CONTROL; ROTARY, TRIMMER
BCF	R1274	063-11007-34	CONTROL; ROTARY, TRIMMER
<b>CRYSTALS</b>			
ABCDEF	CR2001	224-00061-04	CRYSTAL; QUARTZ, 14.31818MHz
ABCDEF	CR2002	224-00061-04	CRYSTAL; QUARTZ, 14.31818MHz
ABCDEF	CR2200	224-00027A	CRYSTAL; QUARTZ; 3.579MHz
ABCDEF	CRY6001	224-00074-02A	CRYSTAL; QUARTZ; 8MHz
<b>DIODES</b>			
ABCDEF	D2202	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2206	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2207	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2208	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2209	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2210	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2250	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D2251	103-461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D3412	103-00417-03A	DIODE; LOW VOLTAGE GENERAL; SILICON
ABCDE	D3412	103-00417-03A	DIODE; LOW VOLTAGE GENERAL; SILICON
C	D3418	103-00344-02A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	D5101	103-00279-04A	DIODE; ZENER; 3V 0.5W
ABCDEF	D6001	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	D6002	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
BCF	D6003	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE

\$ = Part of A-18737 P.C. Board Assy  
 RF Splitter, 2 Tuner



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RC	REF	PART #	DESCRIPTION
ABCDEF	DX2101	103-00254-01	DIODE; LOW VOLTAGE GENERAL; SILICON
ABCDEF	DX2102	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	DX2103	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	DX3005	103-00461A	DIODE; ULTRA FAST SWITCHING; HIGH CONDUCTANCE
ABCDEF	DX3006	103-00344-04A	DIODE; LOW VOLTAGE GENERAL
ABC	DX3201	103-00344-06A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	DX3204	103-00471A	DIODE; LOW VOLTAGE GENERAL; SILICON
ABC	DX3207	103-00305-01A	DIODE &; FERRITE BEAD ASSY
ABCDEF	DX3260	103-00284A	DIODE; LOW VOLTAGE GENERAL; SILICON
ABCDEF	DX3273	103-00339-04A	DIODE; LOW VOLTAGE GENERAL; SILICON
ABCDEF	DX3287	103-00326A	DIODE; LOW VOLTAGE GENERAL; SILICON
ABC	DX3288	103-00344-04A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	DX3405	103-00254-01	DIODE; LOW VOLTAGE GENERAL; SILICON
ABCDEF	DX3406	103-00344-02A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	DX3407	103-00344-02A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	DX3409	103-00344-02A	DIODE; LOW VOLTAGE GENERAL
ABCDEF	ZD1403	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD1404	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD2901	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD2902	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD2906	103-00279-10A	DIODE; ZENER; 5.1V 0.5W
ABCDEF	ZD2907	103-00279-10A	DIODE; ZENER; 5.1V 0.5W
ABCDEF	ZD2908	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD2909	103-00279-18A	DIODE; ZENER; 9.1V 0.5W
ABCDEF	ZD6001	103-00279-36A	DIODE; ZENER; 33V 0.5W
ABCDEF	ZDX3004	103-00472A	DIODE; ZENER; 12V 0.5W
ABC	DX3207	103-00305-01A	DIODE; HIGH VOLTAGE GENERAL; SILICON
<b>FILTERS</b>			
BCF	CR1250	224-00202A	FILTER; CERAMIC, 4.5MHz
ABCDEF	U1200	224-00139-01A	FILTER; 4.5MHz CERAMIC B&PASS
ABCDEF	U1201	224-00160	FILTER; SURFACE ACOUSTIC WAVE
F	U1202	224-00023A	FILTER, CERAMIC, 4.5 MHZ TRAP
BCF	U1251	224-00160	FILTER; SURFACE ACOUSTIC WAVE
F	U1252	224-00023A	FILTER, CERAMIC, 4.5 MHZ TRP
BCF	U1253	224-00139-01A	FILTER; 4.5MHz CERAMIC B&PASS
<b>FUSES</b>			
ABCDEF	FX3401	136-00114-23A	FUSE; NORMAL LAG; 4 AMP 250V
ABCDEF	FX3402	136-00148-23	FUSE; NORMAL LAG; 3 AMP 250V
ABCDEF	FX3403	136-00148-03	FUSE; NORMAL LAG; 2 AMP 250V
ABC	IC2100	126-03326	HEATSINK; TRANSISTOR
ABCDE	IC804	126-03700	HEAT SINK; IC, AUDIO AMPIFIER
ABCDE	ICX3431	126-03585-02	HEATSINK; TRANSISTOR
ABCDE	ICX3441	126-03326-02	HEATSINK; TRANSISTOR
ABCDE	ICX3442	126-03390-02	HEATSINK; TRANSISTOR

RC	REF	PART #	DESCRIPTION
<b>ICS</b>			
ABCDEF	DL2902	223-00045	INTD CKT PKG; NTSC COMB FILTER, HYBRID
ABCDEF	IC0804	221-00598-01	IC & HEATSINK; ASSY AUDIO POWER AMP 3.5W/2 CHANNEL
BCF	IC1250	221-00792-01	IC; VIDEO IF
ABCDEF	IC1400	221-01127	IC; MTS STEREO DECODER/VOL.LIMITER &; AUDIO PROCESSOR
C	IC1401	221-01189	IC; AUDIO PROCESSOR
ABCDEF	IC2000	221-01149	IC; Y/C PIP CONTROLLER
ABCDEF	IC2100	221-00992-01	IC & HEATSINK; ASSY VERTICAL DEFLECTION
ABCDEF	IC2900	221-01053	IC; A/V SWITCH
ADE	IC6000	221-01305-01	IC; 8-BIT MICROCOMPUTER
BF	IC6000	221-01307	IC; 8-BIT MICROCOMPUTER
C	IC6000	221-01308	IC; 8-BIT MICROCOMPUTER
ABCDEF	IC6001	221-00745-04	IC; 4K BIT SERIAL EEPROM
ABCDEF	IC6002	221-01177A	IC; SYSTEM RESET
ABCDEF	ICX2200	221-01165	IC; I2C BUS CONTROL NTSC
ABCDEF	ICX3431	223-00028	IC & HEATSINK; ASSY INTD CKT PKG HYBRID, VOLTAGE REGULATOR
ABCDEF	ICX3441	221-00213-09	IC & HEATSINK; ASSY 9V, 1A; LINEAR REGULATOR
ABCDEF	ICX3442	221-00213	IC & HEATSINK; ASSY 5V, 1A; LINEAR REGULATOR
<b>JACK ASSEMBLIES</b>			
C	JP0001	A-18786-02	JACK ASSY; 8 PHONO/3 Y-C
F		A-18766-03	JACK ASSY, 8 PHONO/2Y-C
ABDE	JP0001	A-18786-03	JACK ASSY; 8 PHONO/2 Y-C
<b>PLUGS</b>			
ABCDEF	2K6	058-00526-05	PLUG 0.098P, 5 CONTACT
ABCDEF	3R8	058-00643-03	PLUG MULTIPRONG, 3 POSITION
ABCDEF	3T8	058-00643-02	PLUG MULTIPRONG, 2 POSITION
ABCDEF	3Y3	058-00643-04	PLUG MULTIPRONG, 4 POSTION
ABCDEF	4G9	058-00526-05	PLUG 0.098P, 5 CONTACT
C	4W9	058-00526-04	PLUG 0.98P, 4 CONTACT
ABCDEF	9S4	058-00526-04	PLUG 0.098P, 4 CONTACT
BCF	MAINTUN (\$)	(\$)	058-00657 PLUG, PHONO
BCF	P0001 (\$)	058-00547-04	PLUG MULTIPRONG, 4 POSITION
<b>RECTIFIER</b>			
ABCDEF	DX3401	212-00172-04	RECTIFIER NTWK; BRIDGE; 600V/4A
<b>RELAY</b>			
ABCDEF	KX3401	195-00161	RELAY; SPST; 12 VDC COIL
<b>RESISTORS</b>			
ABCDEF	C6057M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	J0001M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	J0002M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	J0003M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	J0004M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W

\$ = Part of A-18737 P.C. Board Assy  
 RF Splitter, 2 Tuner



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
ABCDEF	J2001M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	R0843	063-10235-60	RESISTOR FILM; 330 OHM 5% 1/4W
ABCDEF	R0851M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R0852M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R0853	063-10235-12	RESISTOR FILM; 3.3 OHM 5% 1/4W
ABCDEF	R0854M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R0861M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R0862M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R0863	063-10235-12	RESISTOR FILM; 3.3 OHM 5% 1/4W
ABCDEF	R0864M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
BCF	R1001M (\$)	063-10059-45C	RESISTOR; THICK FILM CHIP; 680 OHM 5% 1/10W
BCF	R1002M (\$)	063-11059-07C	RESISTOR; THICK FILM CHIP; 18 OHM 5% 1/10W
BCF	R1003M (\$)	063-11059-41C	RESISTOR; THICK FILM CHIP; 470 OHM 5% 1/10W
BCF	R1004M (\$)	063-11059-59C	RESISTOR; THICK FILM CHIP; 2.7K OHM 5% 1/10W
BCF	R1005M (\$)	063-11059-41C	RESISTOR; THICK FILM CHIP; 470 OHM 5% 1/10W
BCF	R1006M (\$)	063-11059-22C	RESISTOR; THICK FILM CHIP; 75 OHM 5% 1/10W
BCF	R1012M (\$)	063-11059-25C	RESISTOR; THICK FILM CHIP; 100 OHM 5% 1/10W
BCF	R1013M (\$)	063-11059-27C	RESISTOR; THICK FILM CHIP; 120 OHM 5% 1/10W
ABCDEF	R1209M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1210M	063-11059-61A	RESISTOR THICK FILM CHIP; 3.3K OHM 5% 1/10W
ABCDEF	R1211M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1212M	63-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R1213M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1214M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R1216M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R1217M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R1218M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R1219	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R1220M	063-11059-95A	RESISTOR THICK FILM CHIP; 82K OHM 5% 1/10W
ABCDEF	R1221M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1222M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1223	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W

RC	REF	PART #	DESCRIPTION
ABCDEF	R1224M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R1225M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R1226M	063-11059-09A	RESISTOR THICK FILM CHIP; 22 OHM 5% 1/10W
ABCDEF	R1227M	063-11059-41A	RESISTOR THICK FILM CHIP; 470 OHM 5% 1/10W
ABCDEF	R1228	063-10235-76	RESISTOR FILM; 1.5K OHM 5% 1/4W
ABCDEF	R1229M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R1230M	063-11059-13A	RESISTOR THICK FILM CHIP; 33 OHM 5% 1/10W
ABCDEF	R1232M	063-11059-46A	RESISTOR THICK FILM CHIP; 750 OHM 5% 1/10W
ABCDEF	R1233M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1234M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R1235M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
BCF	R1250	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
BCF	R1251	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
BCF	R1253M	063-11059-41A	RESISTOR THICK FILM CHIP; 470 OHM 5% 1/10W
BCF	R1254M	063-11059-69A	RESISTOR THICK FILM CHIP; 6.8K OHM 5% 1/10W
BCF	R1255M	063-11059-81A	RESISTOR THICK FILM CHIP; 22K OHM 5% 1/10W
BCF	R1256M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
BCF	R1257M	063-11059-43A	RESISTOR THICK FILM CHIP; 560 OHM 5% 1/10W
BCF	R1258M	063-11059-56A	RESISTOR THICK FILM CHIP; 2K OHM 5% 1/10W
BCF	R1259M	063-11059-67A	RESISTOR THICK FILM CHIP; 5.6K OHM 5% 1/10W
BCF	R1260M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
BCF	R1262M	063-11059-43A	RESISTOR THICK FILM CHIP; 560 OHM 5% 1/10W
BCF	R1263M	063-11059-71A	RESISTOR THICK FILM CHIP; 8.2K OHM 5% 1/10W
BCF	R1264M	063-11059-81A	RESISTOR THICK FILM CHIP; 22K OHM 5% 1/10W
BCF	R1266M	063-11059-76A	RESISTOR THICK FILM CHIP; 13K OHM 5% 1/10W
BCF	R1267M	063-11059-85A	RESISTOR THICK FILM CHIP; 33K OHM 5% 1/10W
BCF	R1268	063-10235-96	RESISTOR FILM; 10K OHM 5% 1/4W
BCF	R1269M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
BCF	R1270M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
BCF	R1271M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
BCF	R1272M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
BCF	R1276M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W

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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

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RC	REF	PART #	DESCRIPTION
BCF	R1278M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
BCF	R1279	063-10235-60	RESISTOR FILM; 330 OHM 5% 1/4W
BCF	R1280M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
BCF	R1281M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
BCF	R1282M	063-11059-75A	RESISTOR THICK FILM CHIP; 12K OHM 5% 1/10W
BCF	R1283M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W
BCF	R1284M	063-11059-93A	RESISTOR THICK FILM CHIP; 68K OHM 5% 1/10W
BCF	R1285M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
BCF	R1287M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1401M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDE	R1402M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R1404M	063-11244-76A	RESISTOR THICK FILM CHIP; 61.9K OHM 1% 1/10W
ABCDEF	R1405M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W
ABCDEF	R1406M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
ABCDEF	R1407M	063-11059-60A	RESISTOR THICK FILM CHIP; 3K OHM 5% 1/10W
ABCDEF	R1408M	063-11059-61A	RESISTOR THICK FILM CHIP; 3.3K OHM 5% 1/10W
ABCDEF	R1409M	063-11060-21A	RESISTOR THICK FILM CHIP; 1 MEG OHM 5% 1/10W
ABCDEF	R1421M	063-11059-71A	RESISTOR THICK FILM CHIP; 8.2K OHM 5% 1/10W
ABCDEF	R1422M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1425M	063-11060-21A	RESISTOR THICK FILM CHIP; 1 MEG OHM 5% 1/10W
ABCDEF	R1440M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1441M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R1442M	063-11059-46A	RESISTOR THICK FILM CHIP; 750 OHM 5% 1/10W
ABCDEF	R1443M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1444M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R1445M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1446	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R1447M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R1448M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1449M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R1450M	063-11059-46A	RESISTOR THICK FILM CHIP; 750 OHM 5% 1/10W

RC	REF	PART #	DESCRIPTION
ABCDEF	R1451M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1452M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R1453M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R1454	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R1455M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R1456M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R1457M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
C	R1471	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
C	R1472M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
C	R1473M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
C	R1475M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
C	R1476M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
C	R1477M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
C	R1478M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
C	R1479	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R1490M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R1491M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R2001M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2002M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2003	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2004M	063-11059-44A	RESISTOR THICK FILM CHIP; 620 OHM 5% 1/10W
ABCDEF	R2006	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2007M	063-11059-80A	RESISTOR THICK FILM CHIP; 20K OHM 5% 1/10W
ABCDEF	R2008M	063-11059-93A	RESISTOR THICK FILM CHIP; 68K OHM 5% 1/10W
ABCDEF	R2009M	063-11059-79A	RESISTOR THICK FILM CHIP; 18K OHM 5% 1/10W
ABCDEF	R2010	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2011M	063-11059-22A	RESISTOR THICK FILM CHIP; 75 OHM 5% 1/10W
ABCDEF	R2012	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2013M	063-11059-22A	RESISTOR THICK FILM CHIP; 75 OHM 5% 1/10W
ABCDEF	R2014M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R2016M	063-11059-85A	RESISTOR THICK FILM CHIP; 33K OHM 5% 1/10W
ABCDEF	R2017M	063-11059-56A	RESISTOR THICK FILM CHIP; 2K OHM 5% 1/10W
ABCDEF	R2018M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
ABCDEF	R2019M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2020M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2021	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2022	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2023M	063-11060-13A	RESISTOR THICK FILM CHIP; 470K OHM 5% 1/10W
ABCDEF	R2024M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2027M	063-11059-45A	RESISTOR THICK FILM CHIP; 680 OHM 5% 1/10W
ABCDEF	R2028M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R2107	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R2108M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
E	R2109	063-10235-90	RESISTOR FILM; 5.6K OHM 5% 1/4W
ABCDF	R2109	063-10235-84	RESISTOR FILM; 3.3K OHM 5% 1/4W
ABCDEF	R2111	063-10565-61	RESISTOR FILM; 360 OHM 5% 1/2W
ABCDEF	R2113	063-10565-61	RESISTOR FILM; 360 OHM 5% 1/2W
E	R2122	063-10235-96	RESISTOR FILM; 10K OHM 5% 1/4W
ABCDF	R2122	063-10235-80	RESISTOR FILM; 2.2K OHM 5% 1/4W
ABCDEF	R2131M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCF	R2132	063-10236-26	RESISTOR FILM; 180K OHM 5% 1/4W
DE	R2132	063-10236-20	RESISTOR FILM; 100K OHM 5% 1/4W
ABCDEF	R2133M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2141M	063-11060-18A	RESISTOR THICK FILM CHIP; 750K OHM 5% 1/10W
E	R2142	063-10236-14	RESISTOR FILM; 56K OHM 5% 1/4W
ABCDF	R2142	063-10236-10	RESISTOR FILM; 39K OHM 5% 1/4W
ABCDEF	R2143M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R2144M	063-11059-89A	RESISTOR THICK FILM CHIP; 47K OHM 5% 1/10W
ABCDF	R2145M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
E	R2145M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R2146	063-10236-24	RESISTOR FILM; 150K OHM 5% 1/4W
ABCDEF	R2147M	063-11059-89A	RESISTOR THICK FILM CHIP; 47K OHM 5% 1/10W
E	R2150M	063-11059-37A	RESISTOR THICK FILM CHIP; 330 OHM 5% 1/10W
D	R2150M	063-11059-39A	RESISTOR THICK FILM CHIP; 390 OHM 5% 1/10W
ABCF	R2150M	063-11059-35A	RESISTOR THICK FILM CHIP; 270 OHM 5% 1/10W
DEF	R2151M	063-11059-71A	RESISTOR THICK FILM CHIP; 8.2K OHM 5% 1/10W
ABCF	R2151M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W

RC	REF	PART #	DESCRIPTION
ABCDEF	R2152M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R2153M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2203M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2205M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R2207M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R2209M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	R2211M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2212M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2213M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2214M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2215M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2218M	063-11059-81A	RESISTOR THICK FILM CHIP; 22K OHM 5% 1/10W
ABCDEF	R2219M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2220M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2221M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
ABCDEF	R2222M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2223M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R2224M	063-11060-13A	RESISTOR THICK FILM CHIP; 470K OHM 5% 1/10W
ABCDEF	R2226	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R2229M	063-11059-39A	RESISTOR THICK FILM CHIP; 390 OHM 5% 1/10W
ABCDEF	R2230M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R2231	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R2233	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	R2234M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2235M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R2238	063-10235-66	RESISTOR FILM; 560 OHM 5% 1/4W
ABCDEF	R2239M	063-11059-76A	RESISTOR THICK FILM CHIP; 13K OHM 5% 1/10W
ABCDEF	R2240M	063-11059-54A	RESISTOR THICK FILM CHIP; 1.6K OHM 5% 1/10W
DE	R2241M	063-11059-55A	RESISTOR THICK FILM CHIP; 1.8K OHM 5% 1/10W
ABCF	R2241M	063-11059-54A	RESISTOR THICK FILM CHIP; 1.6K OHM 5% 1/10W
ABCDEF	R2243M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R2245	063-10235-76	RESISTOR FILM; 1.5K OHM 5% 1/4W



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.



# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
ABCDEF	R2246M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R2247M	063-11059-35A	RESISTOR THICK FILM CHIP; 270 OHM 5% 1/10W
ABCDEF	R2248M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2249M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
ABCDEF	R2252	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2253	063-10243-74	RESISTOR FILM; 1.2K OHM 5% 1/2W
DE	R2253	063-10945-17	RESISTOR FILM; 1.5K OHM 1% 1/2W
ABCDEF	R2257M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W
ABCDEF	R2259M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2260M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2261M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2262M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2266M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R2279M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2280M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2281M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2282M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2283M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R2284M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R2285M	063-11059-53A	RESISTOR THICK FILM CHIP; 1.5K OHM 5% 1/10W
ABCDEF	R2901	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	R2902	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2903	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2904	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	R2905	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	R2906	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2907	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2908	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	R2914	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2915	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2916	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2917	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2918M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2919M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2920M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R2921M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W

RC	REF	PART #	DESCRIPTION
ABCDEF	R2922M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2923M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2925M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
BCF	R2926	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	R2927M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2928M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2939M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2940M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	R2941M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R2942M	063-11059-81A	RESISTOR THICK FILM CHIP; 22K OHM 5% 1/10W
ABCDEF	R2943M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R2944M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R2945M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R2946M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2947M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R2948	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2949	063-10235-48	RESISTOR FILM; 100 OHM 5% 1/4W
ABCDEF	R2950M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2951M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R2952M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2953M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABCDEF	R2954	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R2955	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R2958	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2959	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2960	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2961	063-10235-45	RESISTOR FILM; 75 OHM 5% 1/4W
ABCDEF	R2962M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R2963M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R2964M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R2965M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABC	R3201	063-10235-82	RESISTOR FILM; 2.7K OHM 5% 1/4W
ABC	R3203	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R3207	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABC	R3212M	063-11060-05A	RESISTOR THICK FILM CHIP; 220K OHM 5% 1/10W



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
AB	R3223M	063-11059-71A	RESISTOR THICK FILM CHIP; 8.2K OHM 5% 1/10W
C	R3223M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R3225	063-11087-66	RESISTOR FILM; 560 OHM 5% 1/2W
ABCDEF	R3226	063-11087-66	RESISTOR FILM; 560 OHM 5% 1/2W
C	R3243	063-10235-60	RESISTOR FILM; 330 OHM 5% 1/4W
AB	R3243	063-10235-59	RESISTOR FILM; 300 OHM 5% 1/4W
C	R3247	063-10235-96	RESISTOR FILM; 10K OHM 5% 1/4W
AB	R3247	063-10235-94	RESISTOR FILM; 8.2K OHM 5% 1/4W
ABC	R3248	063-10235-83	RESISTOR FILM; 3K OHM 5% 1/4W
ABC	R3249M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R3254	063-11087-64	RESISTOR FILM; 470 OHM 5% 1/2W
ABCDEF	R3255M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
DEF	R3256M	063-11059-29A	RESISTOR THICK FILM CHIP; 150 OHM 5% 1/10W
ABC	R3256M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
ABCDEF	R3421	063-10235-82	RESISTOR FILM; 2.7K OHM 5% 1/4W
ABCDEF	R3422M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R5101M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R5102M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R5103M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R5104M	063-11059-27A	RESISTOR THICK FILM CHIP; 120 OHM 5% 1/10W
ABCDEF	R5105M	063-11059-27A	RESISTOR THICK FILM CHIP; 120 OHM 5% 1/10W
ABCDEF	R5106M	063-11059-27A	RESISTOR THICK FILM CHIP; 120 OHM 5% 1/10W
ABCDEF	R5107M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R5108M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R5109M	063-11059-17A	RESISTOR THICK FILM CHIP; 47 OHM 5% 1/10W
ABCDEF	R5116	063-10243-72	RESISTOR FILM; 1K OHM 5% 1/2W
ABCDEF	R5117	063-10243-72	RESISTOR FILM; 1K OHM 5% 1/2W
ABCDEF	R5118	063-10243-72	RESISTOR FILM; 1K OHM 5% 1/2W
ABCDEF	R5119	063-10243-72	RESISTOR FILM; 1K OHM 5% 1/2W
ABCDEF	R5120	063-10243-64	RESISTOR FILM; 470 OHM 5% 1/2W
ABCDEF	R5140	063-10235-64	RESISTOR FILM; 470 OHM 5% 1/4W
ABCDEF	R5141	063-10244-22	RESISTOR FILM; 120K OHM 5% 1/2W
ABCDEF	R5142	063-10244-22	RESISTOR FILM; 120K OHM 5% 1/2W
ABCDEF	R5143	063-10244-22	RESISTOR FILM; 120K OHM 5% 1/2W
ABCDEF	R6001M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6002M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W

RC	REF	PART #	DESCRIPTION
ABCDEF	R6003M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6004M	063-11059-89A	RESISTOR THICK FILM CHIP; 47K OHM 5% 1/10W
ABCDEF	R6005M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6006M	063-11059-31A	RESISTOR THICK FILM CHIP; 180 OHM 5% 1/10W
ABCDEF	R6007M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6008M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6009M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
BCF	R6010	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R6011M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6012M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R6013M	063-11059-57A	RESISTOR THICK FILM CHIP; 2.2K OHM 5% 1/10W
ABCDEF	R6014M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6015M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6016M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
C	R6017M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
C	R6019M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
C	R6020M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
C	R6021M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
C	R6022M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6023M	063-11059-60A	RESISTOR THICK FILM CHIP; 3K OHM 5% 1/10W
ABCDEF	R6024M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
C	R6025	063-10235-96	RESISTOR FILM; 10K OHM 5% 1/4W
ABCDEF	R6026M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6027	063-10235-80	RESISTOR FILM; 2.2K OHM 5% 1/4W
C	R6028M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
C	R6029M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6031M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6032M	063-11059-77A	RESISTOR THICK FILM CHIP; 15K OHM 5% 1/10W
ABCDEF	R6033M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABCDEF	R6034M	063-11060-21A	RESISTOR THICK FILM CHIP; 1 MEG OHM 5% 1/10W
ABCDEF	R6035M	063-11060-21A	RESISTOR THICK FILM CHIP; 1 MEG OHM 5% 1/10W
ABCDEF	R6036	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W



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# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
ABCDEF	R6037M	063-11059-83A	RESISTOR THICK FILM CHIP; 27K OHM 5% 1/10W
C	R6038M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6039	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6040	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R6041	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6042	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6043	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6044	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6045M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6046M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6047M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6048M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6049	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6050	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
BCF	R6051	063-10235-80	RESISTOR FILM; 2.2K OHM 5% 1/4W
BCF	R6052M	063-11059-87A	RESISTOR THICK FILM CHIP; 39K OHM 5% 1/10W
ABCDEF	R6053M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDE	R6054M	063-11059-33A	RESISTOR THICK FILM CHIP; 220 OHM 5% 1/10W
ABCDEF	R6055M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6058M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6059M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6060M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	R6062	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6063	063-10235-56	RESISTOR FILM; 220 OHM 5% 1/4W
ABCDEF	R6069M	063-11060-13A	RESISTOR THICK FILM CHIP; 470K OHM 5% 1/10W
ABCDEF	R6070M	063-11060-13A	RESISTOR THICK FILM CHIP; 470K OHM 5% 1/10W
ABCDEF	R6072M	063-11059-73A	RESISTOR THICK FILM CHIP; 10K OHM 5% 1/10W
ABCDEF	R6080M	063-11060-21A	RESISTOR THICK FILM CHIP; 1 MEG OHM 5% 1/10W
C	R6081M	063-11059A	RESISTOR THICK FILM CHIP; 0 OHM 5% 1/10W
ABDEF	R6081M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
C	R6082M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W
ABDEF	R6082M	063-11059-60A	RESISTOR THICK FILM CHIP; 3K OHM 5% 1/10W
ABDEF	R6083M	063-11059-60A	RESISTOR THICK FILM CHIP; 3K OHM 5% 1/10W
C	R6083M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W

RC	REF	PART #	DESCRIPTION
C	R6084M	063-11059-63A	RESISTOR THICK FILM CHIP; 3.9K OHM 5% 1/10W
ABDEF	R6084M	063-11059-60A	RESISTOR THICK FILM CHIP; 3K OHM 5% 1/10W
ABCDEF	R6085M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6086M	063-11059-49A	RESISTOR THICK FILM CHIP; 1K OHM 5% 1/10W
ABCDEF	R6087	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	R6088M	063-11059-65A	RESISTOR THICK FILM CHIP; 4.7K OHM 5% 1/10W
ABCDEF	RX2110	063-10235-10	RESISTOR FILM; 2.7 OHM 5% 1/4W
ABCF	RX2115	063-10565-06	RESISTOR FILM; 1.8 OHM 5% 1/2W
DE	RX2115	063-10565-04	RESISTOR FILM; 1.5 OHM 5% 1/2W
ABCF	RX2126	063-10565-06	RESISTOR FILM; 1.8 OHM 5% 1/2W
DE	RX2126	063-10565-04	RESISTOR FILM; 1.5 OHM 5% 1/2W
ABCDEF	RX3008	063-10936-37	RESISTOR FILM; 2.21K OHM 1% 1/4W
FABCDE	RX3009M	063-11059-97A	RESISTOR THICK FILM CHIP; 100K OHM 5% 1/10W
ABCDEF	RX3010M	063-11059-25A	RESISTOR THICK FILM CHIP; 100 OHM 5% 1/10W
DEF	RX3015	063-10236-16	RESISTOR FILM; 68K OHM 5% 1/4W
ABC	RX3015	063-10236-14	RESISTOR FILM; 56K OHM 5% 1/4W
ABCDEF	RX3016	063-10936-72	RESISTOR FILM; 4.32K OHM 1% 1/4W
ABCDEF	RX3022	063-10936-72	RESISTOR FILM; 4.32K OHM 1% 1/4W
ABC	RX3202	063-10235-72	RESISTOR FILM; 1K OHM 5% 1/4W
ABCDEF	RX3204	063-10235-88	RESISTOR FILM; 4.7K OHM 5% 1/4W
ABCDEF	RX3205	063-10565	RESISTOR FILM; 1 OHM 5% 1/2W
E	RX3237	063-10442-35A	RESISTOR WW; 3 OHM 5% 5W
ABCF	RX3237	063-11164-06B	RESISTOR FILM; 6.8 OHM 5% 3W
D	RX3237	063-10442-28A	RESISTOR WW; 1.5 OHM 5% 5W
ABCDEF	RX3242	063-11214-16	RESISTOR FILM; 0.51 OHM 5% 1/2W
ABCF	RX3261	063-10460-38A	RESISTOR WW; 3.9 OHMS 10% 10W
E	RX3261	063-10460-44A	RESISTOR WW; 6.8 OHM 10% 10W
ABCDEF	RX3263	063-10244-04	RESISTOR FILM; 22K OHM 5% 1/2W
ABCDEF	RX3264	063-10832-69B	RESISTOR FILM; 750 OHM 5% 1W
AB	RX3265	063-10832-34B	RESISTOR FILM; 27 OHM 5% 1W
ABCDEF	RX3277	063-10565-10	RESISTOR FILM; 2.7 OHM 5% 1/2W
ABCDEF	RX3299	063-10565-28C	RESISTOR FILM; 15 OHM 5% 1/2W
ABCDEF	RX3400	063-11264-01	RESISTOR CARBON; 5.6M OHM 20% 1/2W
ABCDEF	RX3401	063-10444-20A	RESISTOR WW; 0.68 OHM 10% 5W
ABCDEF	RX3403	063-10442-04A	RESISTOR WW; 0.15 OHM 5% 5 WATT
ABCDEF	RX3404	063-11088-26	RESISTOR FILM; 180K OHM 5% 1/2W
ABCDEF	RX3406	063-10235-40	RESISTOR FILM; 47 OHM 5% 1/4W
ABCDEF	RX3407	063-11156-40B	RESISTOR FILM; 47 OHM 5% 1W
ABCF	RX3408	063-10836-32	RESISTOR FILM; 22 OHM 5% 2W
DE	RX3408	063-11156-32B	RESISTOR FILM; 22 OHM 5% 1W
ABCDEF	RX3409	063-11110-16	RESISTOR FILM; 4.7 OHM 5% 1/2W
ABCDEF	RX3411	063-10837B	RESISTOR FILM; 15K OHM 5% 2W
ABCDEF	RX3420	063-10442-40A	RESISTOR WW; 4.7 OHM 5% 5W



Critical safety components are identified by shading and the letter "X" in their component designators. Replace only with part numbers specified.

# GB MODULE PARTS LIST

A 9-1999 Main Module, GB1, 27V/Single PIP  
 B 9-2002 Main Module, GB2, 27V/Two Tuner PIP  
 C 9-2006 Main Module, GB3, 27V/Two Tuner PIP and BBE Audio  
 D 9-2022 Main Module, GB1, 25V/Single PIP  
 E 9-2046 Main Module, GB1, 25V/Single PIP  
 F 9-2002-01 Main Module, GB2, 27V/Two Tuner PIP

## NOTE:

This combined parts list lets you easily determine the part number of parts used on each Model, Chassis, or Assembly. Each has been assigned a reference code (RC), which is in the column to the left of the REF numbers.

RC	REF	PART #	DESCRIPTION
ABCDEF	RX3424	063-11164-08B	RESISTOR FILM; 2.2 OHM 5% 3W
ABCDEF	RX3425	063-10442-58A	RESISTOR VW; 27 OHM 5% 5W
ABCDEF	RX3431	063-10244-26	RESISTOR FILM; 180K OHM 5% 1/2W
ABCDEF	RX5126	063-10836-98B	RESISTOR FILM; 12K OHM 5% 2W
ABCDEF	RX5127	063-10836-98B	RESISTOR FILM; 12K OHM 5% 2W
ABCDEF	RX5128	063-10836-98B	RESISTOR FILM; 12K OHM 5% 2W
ABCDEF	THX3415	063-10710A	RESISTOR THERMISTOR
<b>RESONATOR</b>			
ABCDEF	CR2205	224-00178	RESONATOR; CERAMIC, 503 KHZ
<b>SHIELD</b>			
ABCDEF	IC6000	126-3446-02	SHIELD; EMI, MICROPROCESSOR
<b>SOCKET</b>			
ABCDEF	CRT0001	078-03394-09	SOCKET; CRT
<b>SPARKS</b>			
ABCDEF	EX3401	038-00102	SPARK GAP; HIGH VOLTAGE, 4KV DC
<b>SPLITTER</b>			
BCF	SPLITTER	A-18737	PC BOARD ASSY. RF SPLITTER, 2 TUNER
<b>SWEEP XFMR</b>			
F	TX3204	095-04511	SWEEP TRANSFORMER, COLOR FINL, MICRO-MINI
<b>TRANSFORMERS</b>			
ABCDEF	LX3401	095-4285	TRANSFORMER; LINE CHOKE
DE	TX3204	095-4372-01	SWEEP XFMR; COLOR FINAL; MINI
ABC	TX3204	095-4511	SWEEP XFMR; COLOR FINAL; MICRO-MINI
ABCDEF	TX3205	095-4477	TRANSFORMER; HORIZ DRIVER
ABCF	TX3401	095-4515	TRANSFORMER; CHOPPER
DE	TX3401	095-4549	TRANSFORMER; CHOPPER
<b>TRANSISTORS</b>			
ABCDEF	Q0800	121-01310A	TRANSISTOR; NPN, SILICON
BCF	Q1001M (\$)	121-01161B	TRANSISTOR; NPN, SILICON
ABCDEF	Q1203	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q1204	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q1205	121-01261A	TRANSISTOR; NPN, SILICON
BCF	Q1250	121-01310A	TRANSISTOR; NPN, SILICON
BCF	Q1251	121-01311A	TRANSISTOR; PNP, SILICON
BCF	Q1252	121-01310A	TRANSISTOR; NPN, SILICON
BCF	Q1253	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q1401	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q1402	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q1403	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q1404	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q1405	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2001	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2002	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2003	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2004	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2203	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q2204	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q2205	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q2206	121-01311A	TRANSISTOR; PNP, SILICON

RC	REF	PART #	DESCRIPTION
ABCDEF	Q2207	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2208	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2209	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q2210	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2901	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q2905	121-01311A	TRANSISTOR; PNP, SILICON
ABCDEF	Q2906	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q3202	121-01310A	TRANSISTOR; NPN, SILICON
ABC	Q3203	121-01264-01A	TRANSISTOR; NPN SILICON
ABCDEF	Q3206	121-01264-01A	TRANSISTOR; NPN SILICON
ABCDEF	Q3402	121-01340A	TRANSISTOR; NPN, SILICON
ABCDEF	Q3404	121-01102A	TRANSISTOR; PNP, SILICON
ABCDEF	Q5101	121-01291-01	TRANSISTOR; NPN, SILICON
ABCDEF	Q5102	121-01291-01	TRANSISTOR; NPN, SILICON
ABCDEF	Q5103	121-1291-01	TRANSISTOR; NPN, SILICON
ABCDEF	Q6001	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q6002	121-01310A	TRANSISTOR; NPN, SILICON
ABCDEF	Q6003	121-01310A	TRANSISTOR; NPN, SILICON
C	Q6004	121-01310A	TRANSISTOR; NPN, SILICON
C	Q6005	121-01310A	TRANSISTOR; NPN, SILICON
C	Q6006	121-01310A	TRANSISTOR; NPN, SILICON
ABC	QX3201	121-01237	TRANSISTOR; PNP, SILICON; 5A 80V
ABCDEF	QX3208	121-01148	TRANSISTOR; NPN, SILICON; H.O.T., 5A
ABCDEF	QX3401	121-01348	TRANSISTOR; NPN, SILICON; 80V/1A
<b>TUNERS</b>			
ABCDEF	TU6000	175-02720-01	TUNER; VARACTOR, 181 CHANNEL, SINGLE IC; WORLD ST&ARD
BC	WT1210	175-02720-01	TUNER; VARACTOR, 181 CHANNEL, SINGLE IC; WORLD ST&ARD

\$ = Part of A-18737 P.C. Board Assy  
 RF Splitter, 2 Tuner



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zenith 

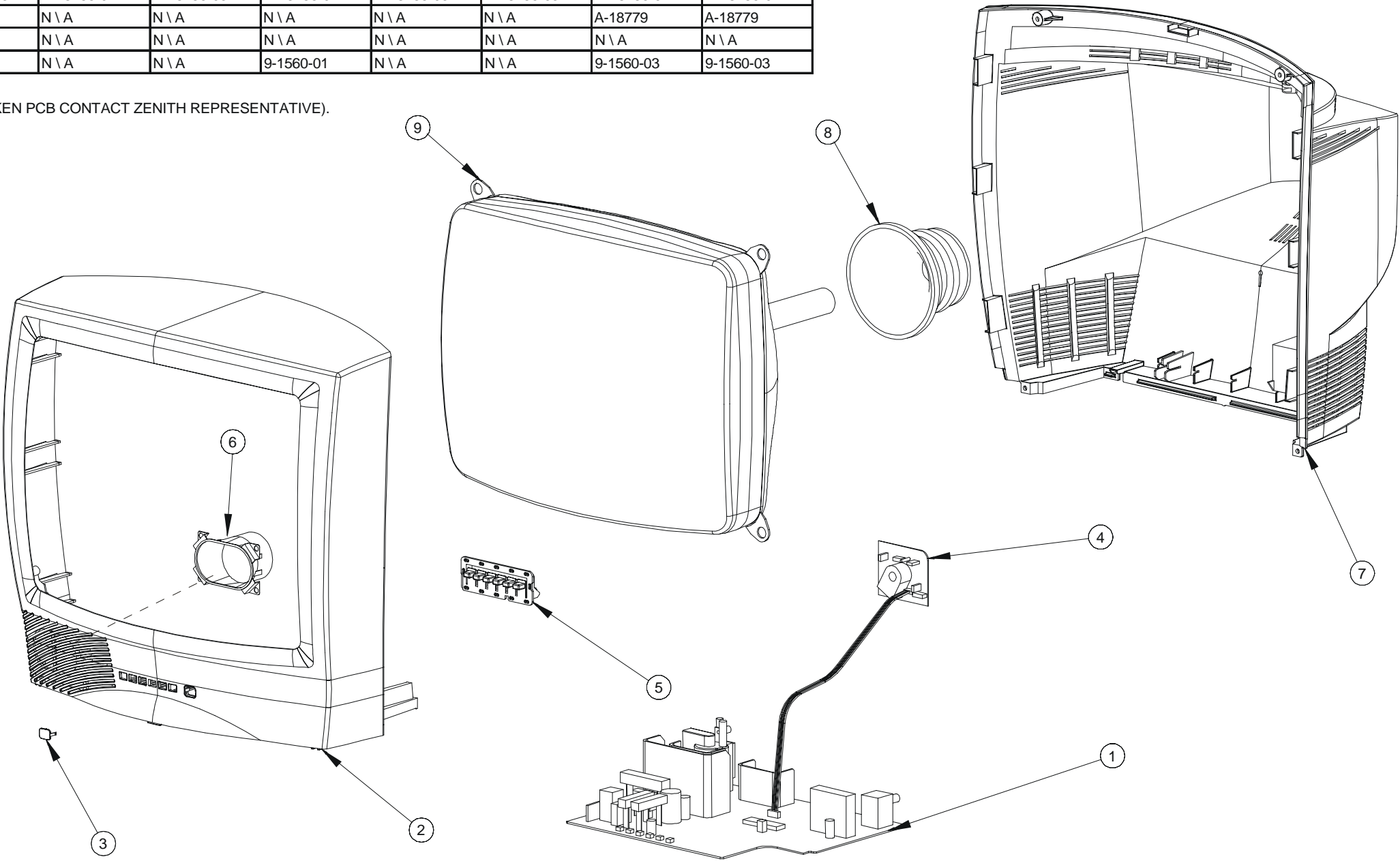
GB CHASSIS TABLE TOP SET EXPLODED VIEW

		MODEL SERVICE NUMBER									
REF.	DESCRIPTION	A25B33W	A27B33W	A27B41W	A27B43W	A32B41W	A32B43W	A36B41W	A36B41W8	A36B43W	A36B43W8
1	MAIN MODULE	9-2022*	9-1999*	9-2002*	9-2006*	9-2003	9-2007	9-2005	9-2023	9-2008	9-2024
2	CABINET FRONT	14-12229-15	14-12317-01	14-12317-01	14-12253-14	14-12284-09	14-12284-11	14-12269-04	14-12269-04	14-12268-11	14-12268-11
3	IR LENS	192-887	192-923	192-923	192-903	192-912	192-915	192-912	192-912	192-911	192-911
4	VIDEO BOARD	@	@	@	@	@	@	@	@	@	@
5	KNOB ARRAY	46-10589	46-10589	46-10589	46-10570-01	46-10575	46-10561	46-10575	46-10575	46-10561	46-10561
6	SPEAKER	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)	49-1368-03(2)
7	CABINET REAR	14-12230	14-12254-03	14-12254-03	14-12254-04	14-12285-04	14-12285-04	14-12270-04	14-12270-04	14-12270-04	14-12270-04
8	DEFLECTION YOKE	95-4456-03	95-3797-05	95-3797-05	#	95-4208-01	95-4208-01	#	#	#	#
9	CRT	A63AGD01X	A68AGD02X	A68AGD02X	A-18378	A81AGZ50X	A81AGZ50X	A-18483	A-18639	A-18483	A-18639
	REMOTE	124-212-64	124-212-64	124-212-63	124-219-01	124-212-51	124-219-01	124-212-51	124-212-51	124-219-01	124-219-01
	A C LINE CORD	A-18035-02	A-18588-01	A-18588-01	A-18588-01	A-18588-01	A-18588-01	A-18588-01	A-18588-01	A-18588-01	A-18588-01
	JACK ASSY	A-18786-03	A-18786-03	A-18786-03	A-18786-02	A-18786-03	A-18786-02	A-18786-03	A-18786-03	A-18786-02	A-18786-02
	FRONT JACK ASSY	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	A-18779	A-18779
	CABINET TRAY	14-12038-02	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A	N \ A
	SCAN VELOCITY MODULE	N \ A	N \ A	N \ A	N \ A	N \ A	9-1560-01	N \ A	N \ A	9-1560-03	9-1560-03

\* = IN WARRANTY COMPONENT LEVEL REPAIR ONLY ( FOR BROKEN PCB CONTACT ZENITH REPRESENTATIVE).

@ = BREAKAWAY PORTION OF MAIN MODULE

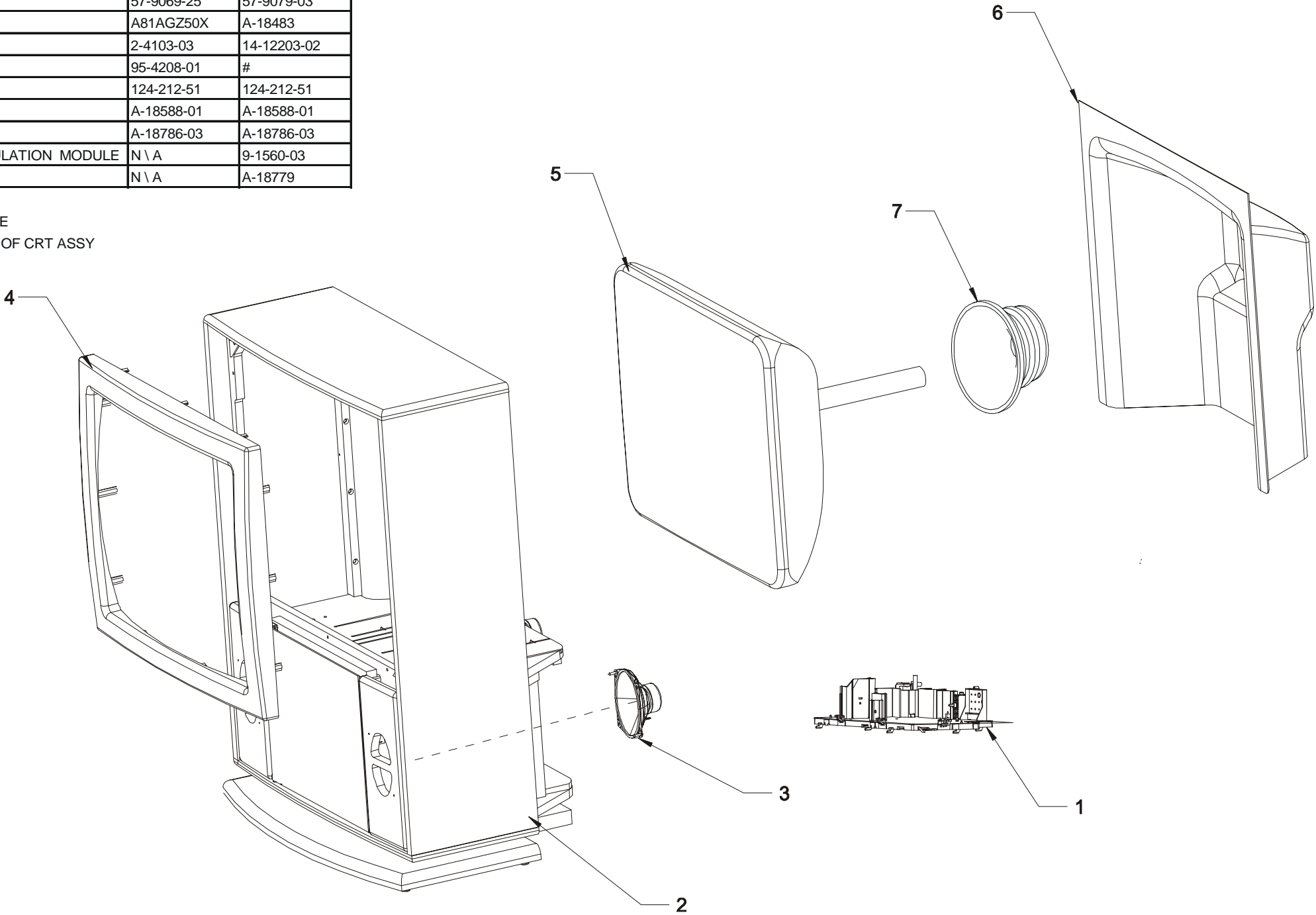
# = INTEGRAL PART OF CRT ASSY



GB CHASSIS 32/36V CONTEMPORARY CONSOLE EXPLODED VIEW (TYPICAL)

REF. NO.	DESCRIPTION	MODEL SERVICE NUMBER	
		A32B86R	A36B86R
1	MAIN MODULE	9-2003	9-2005
2	MAIN CABINET	14-12203-01	14-12335
3	SPEAKER	49-1257-08(2)	49-1257-08(2)
4	ESCUTCHEON	57-9069-25	57-9079-03
5	CRT	A81AGZ50X	A-18483
6	BACK COVER	2-4103-03	14-12203-02
7	DEFLECTION YOKE	95-4208-01	#
	REMOTE	124-212-51	124-212-51
	AC LINE CORD	A-18588-01	A-18588-01
	JACK ASSY	A-18786-03	A-18786-03
	SCAN VELOCITY MODULATION MODULE	N \ A	9-1560-03
	FRONT JACK ASSY	N \ A	A-18779

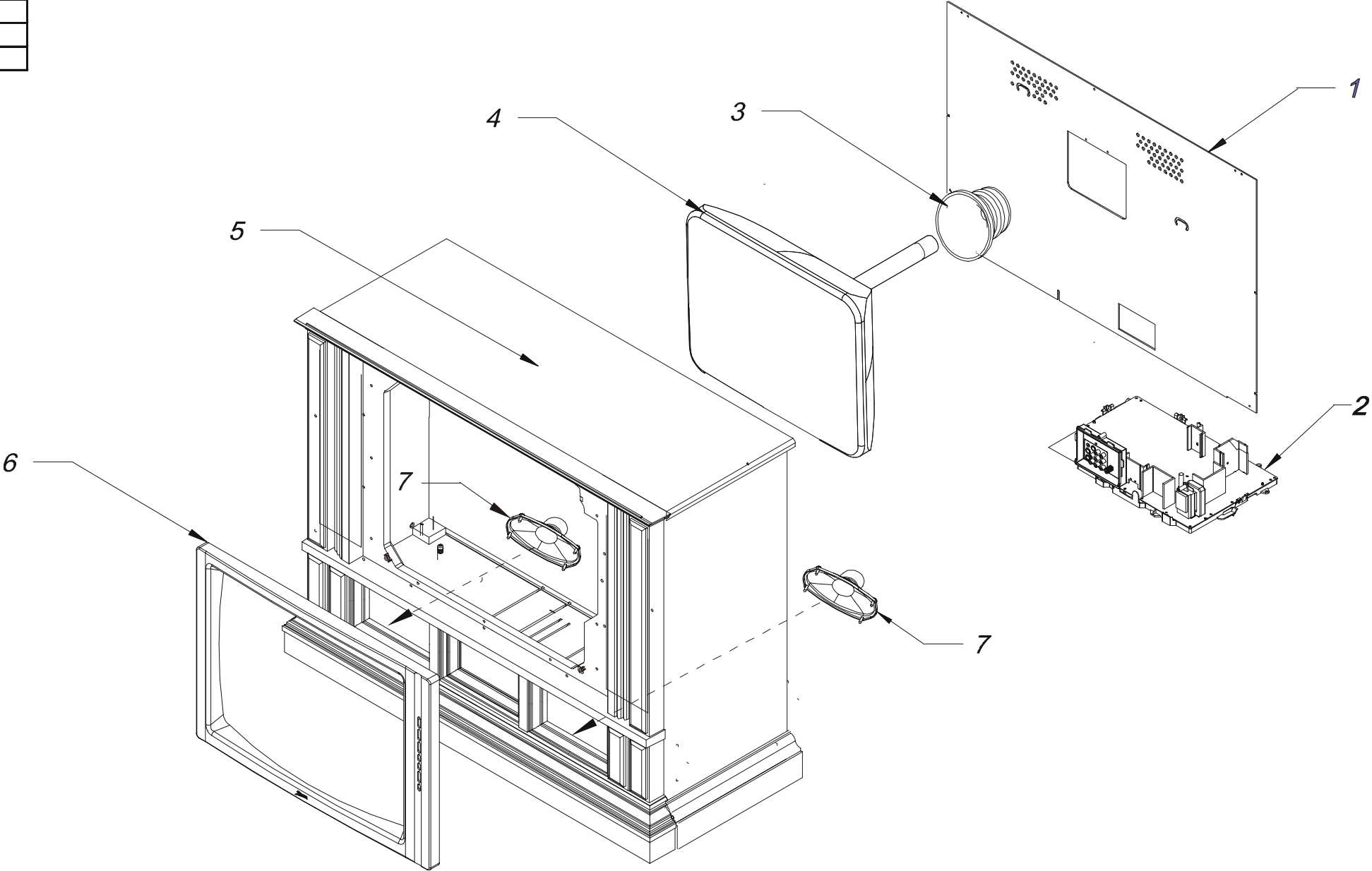
N \ A = NOT APPLICABLE  
# = INTEGRAL PART OF CRT ASSY



GB CHASSIS 32V TRADITIONAL CONSOLE EXPLODED VIEW (TYPICAL)

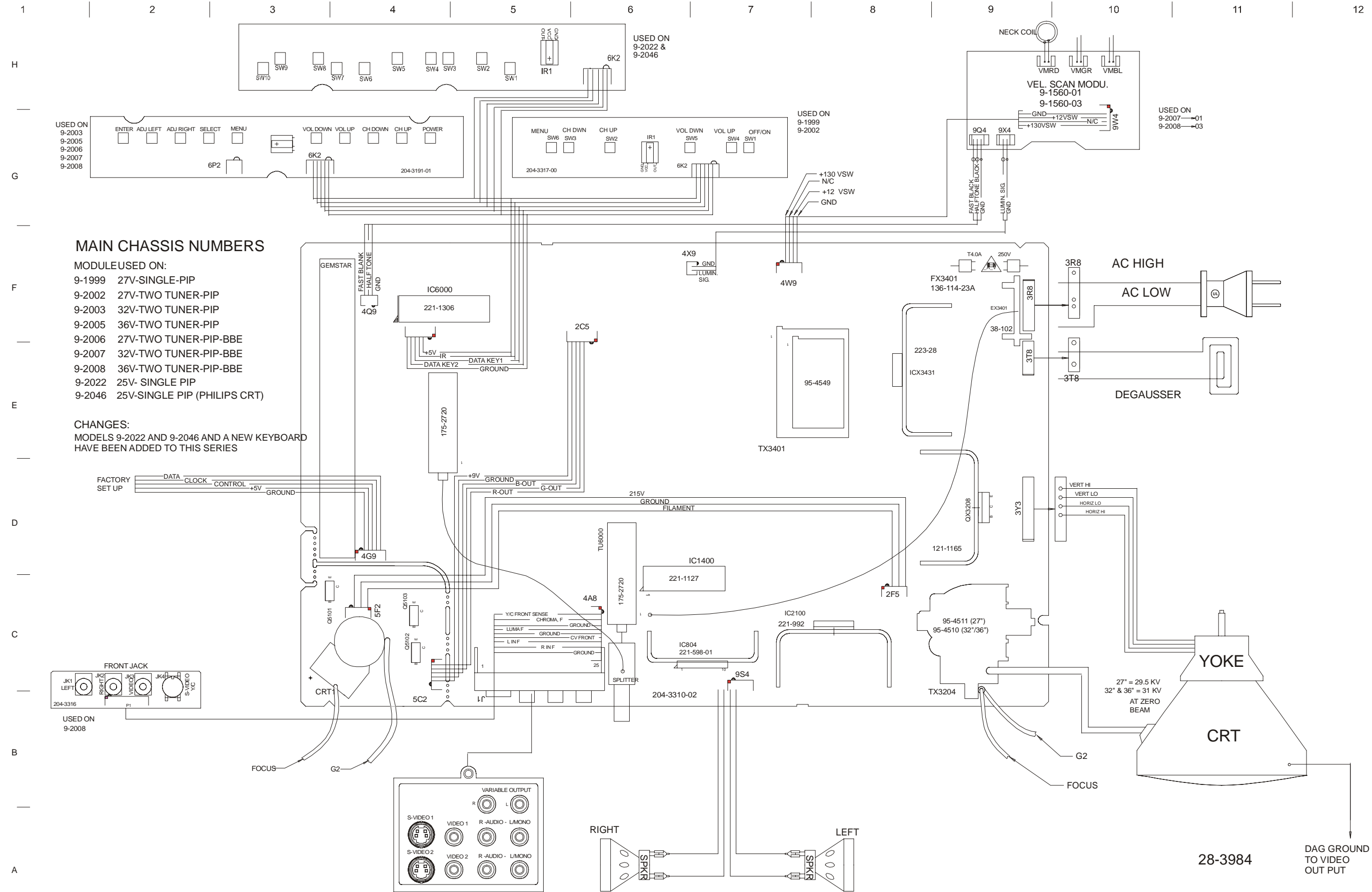
H

MODEL SERVICE NUMBER		
REF.	DESCRIPTION	A32B84R
1	BACK COVER	2-4084-14
2	MAIN MODULE	9-2003
3	DEFLECTION YOKE	95-4802-01
4	CRT	A81AGZ50X
5	CABINET MAIN	14-12272-01
6	ESCUTCHEON	57-9069-25
7	SPEAKER	49-1257-08(2)
	REMOTE	124-212-51
	AC LINE CORD	A-18588-01
	JACK ASSY	A-18786-03





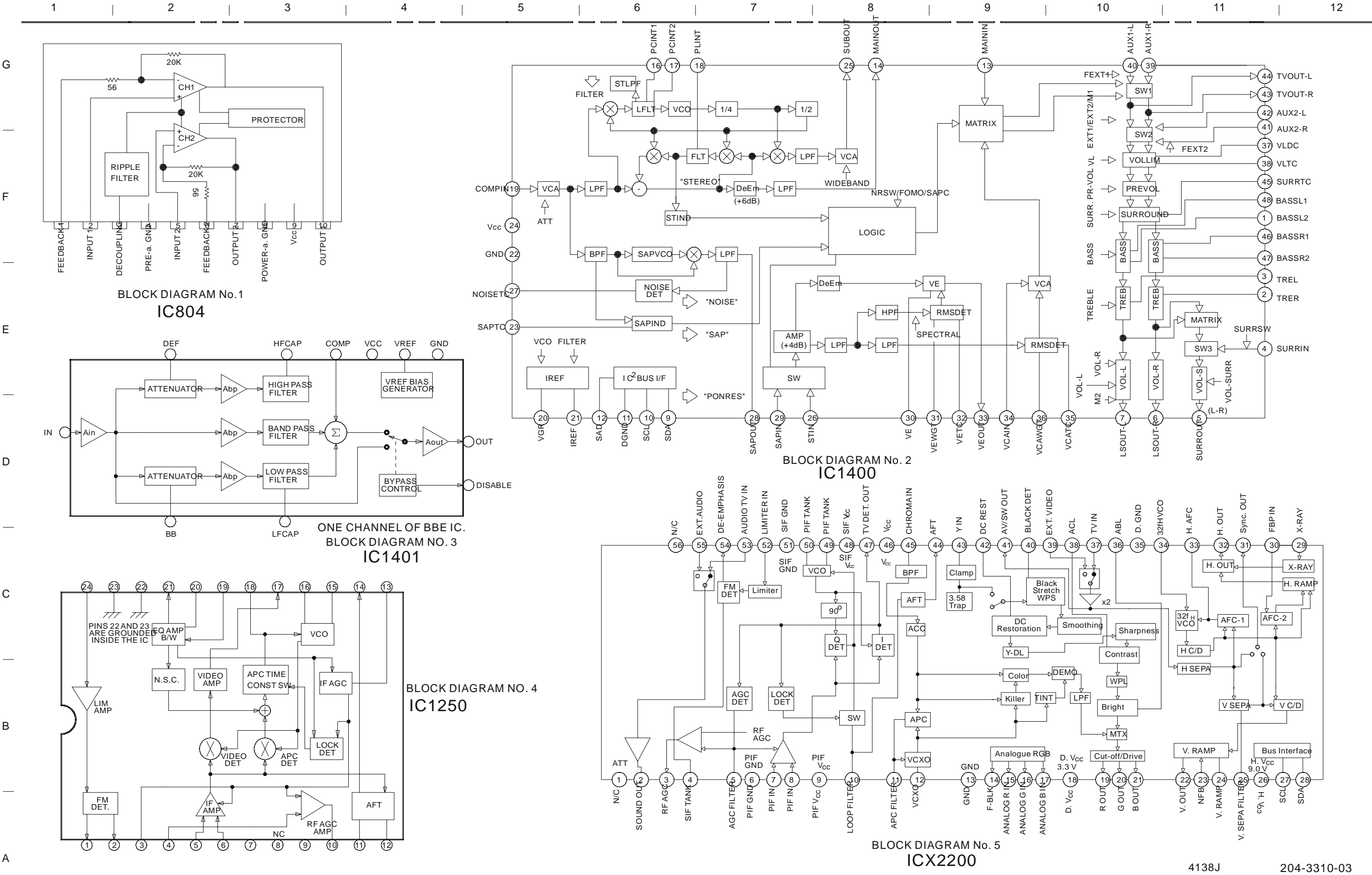
# GB Series Interconnect Diagram



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.



GB Series IC Block Diagrams



4138J 204-3310-03



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

GB Series IC Block Diagrams



G

F

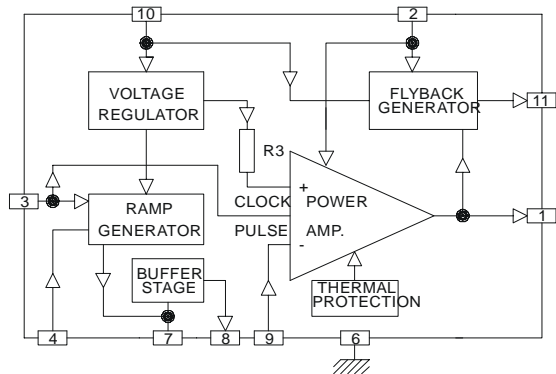
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D

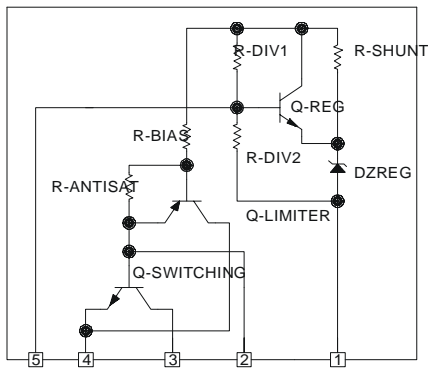
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B

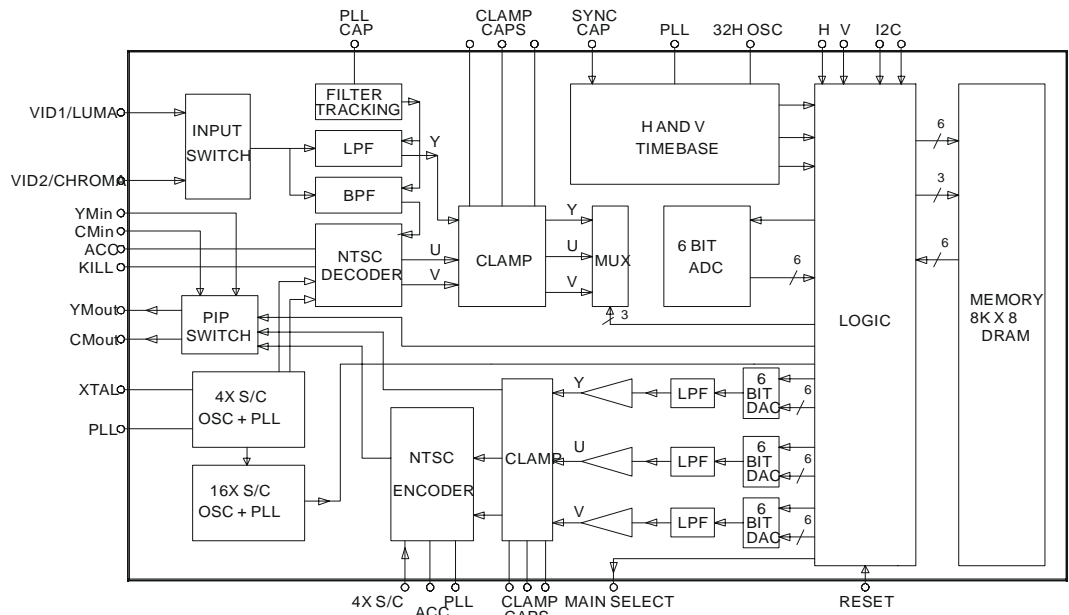
A



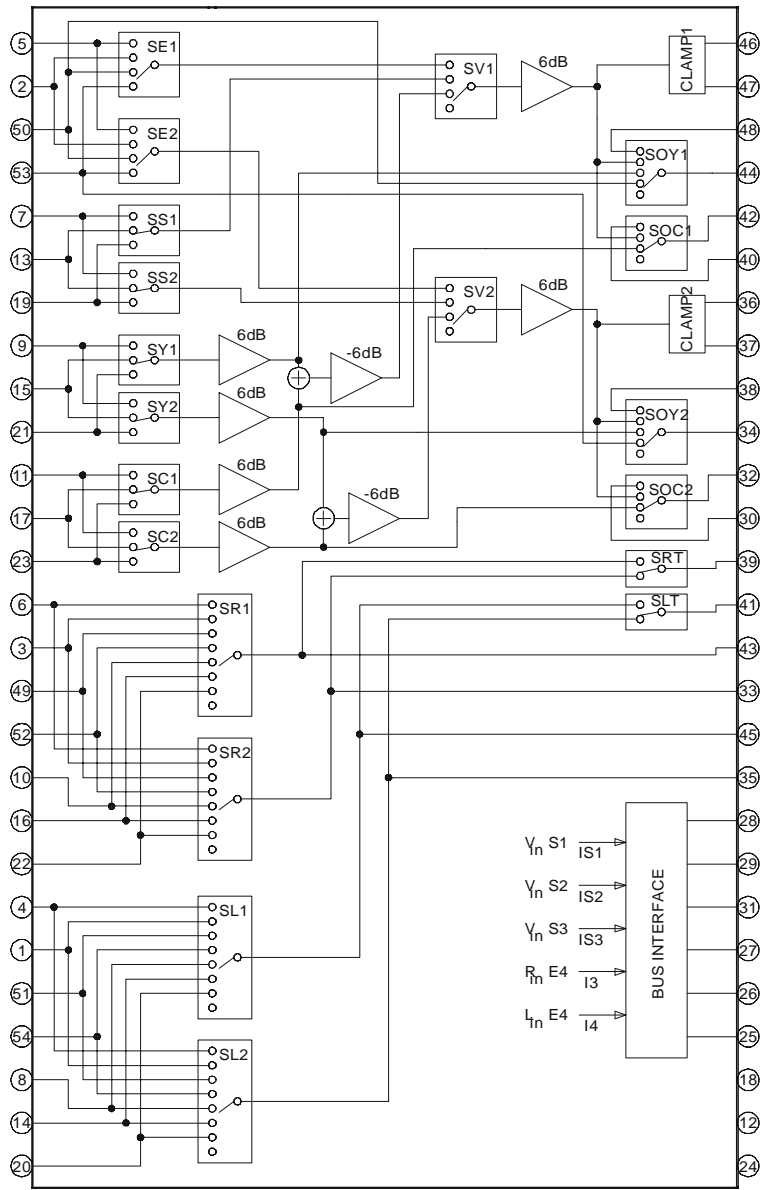
BLOCK DIAGRAM No. 6  
IC2100



BLOCK DIAGRAM No. 7  
ICX3431



BLOCK DIAGRAM NO. 8  
IC2000



BLOCK DIAGRAM NO. 9  
IC2900

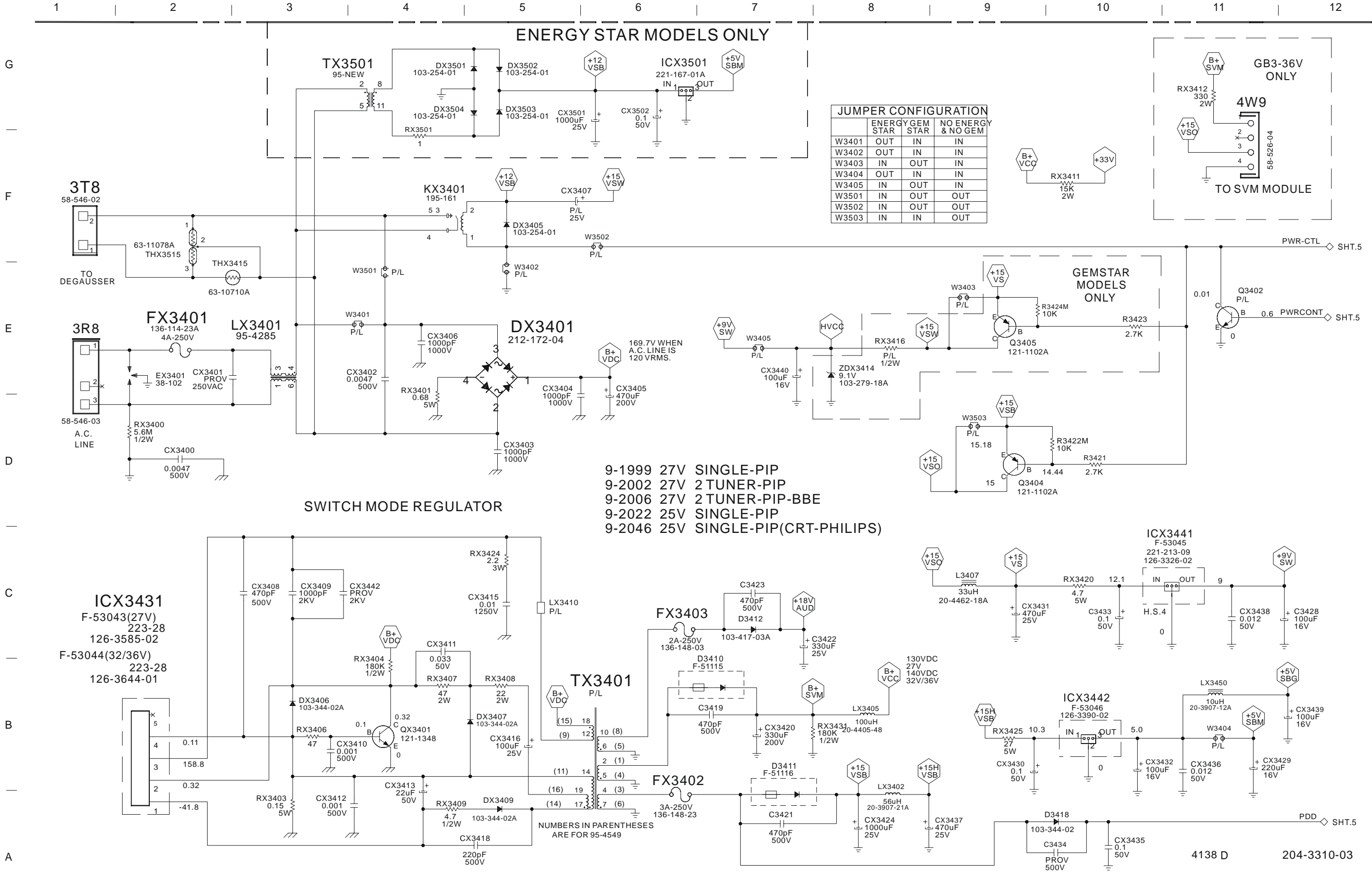
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204-3310-03



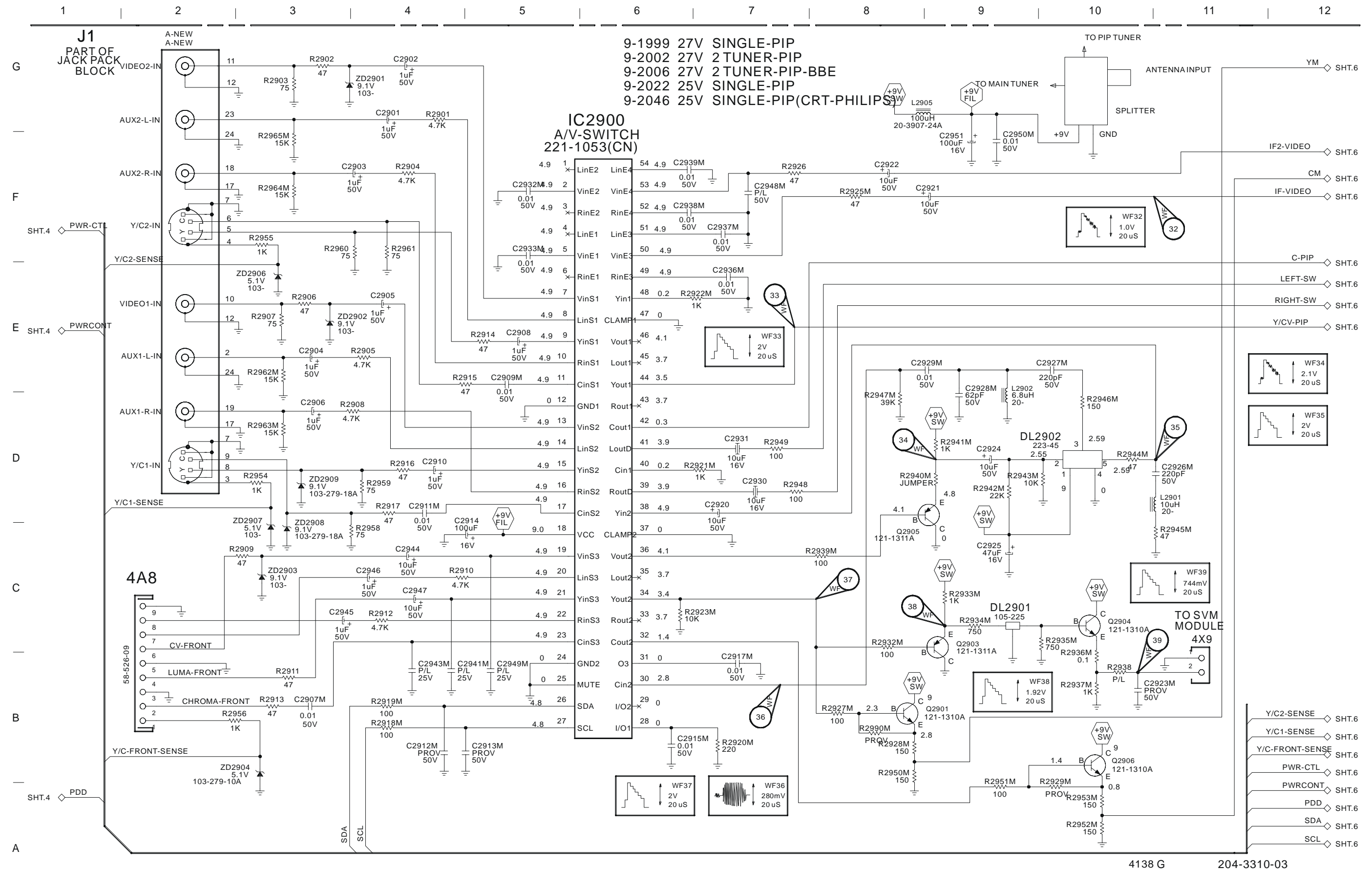
CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

# GB Series Main Chassis Power Supply & Switch Mode Regulator

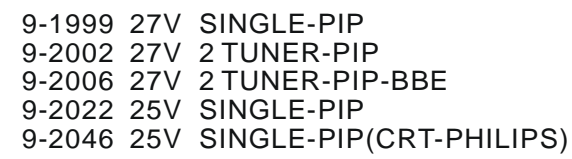


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# GB Series Main Chassis A/V SWITCH

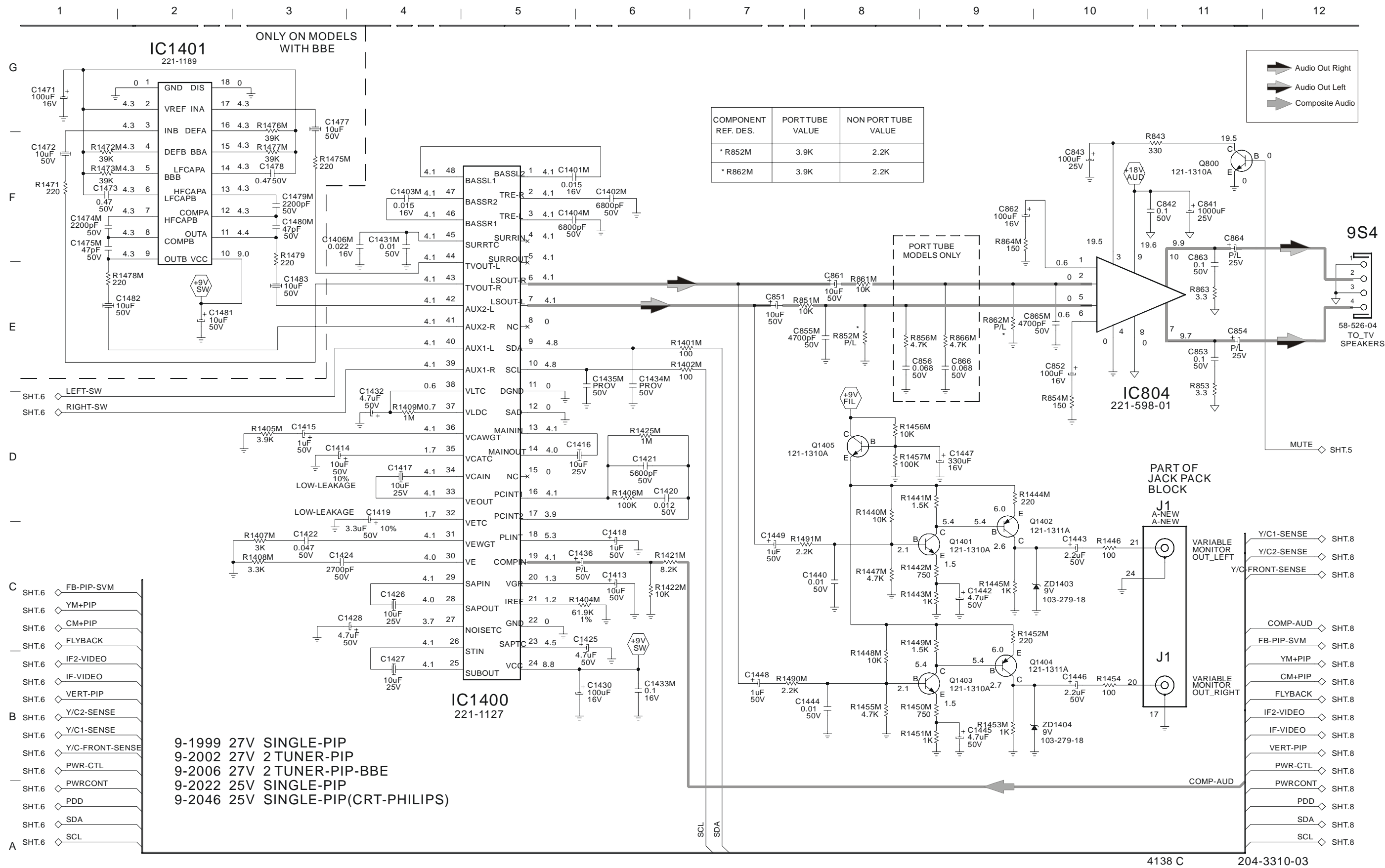


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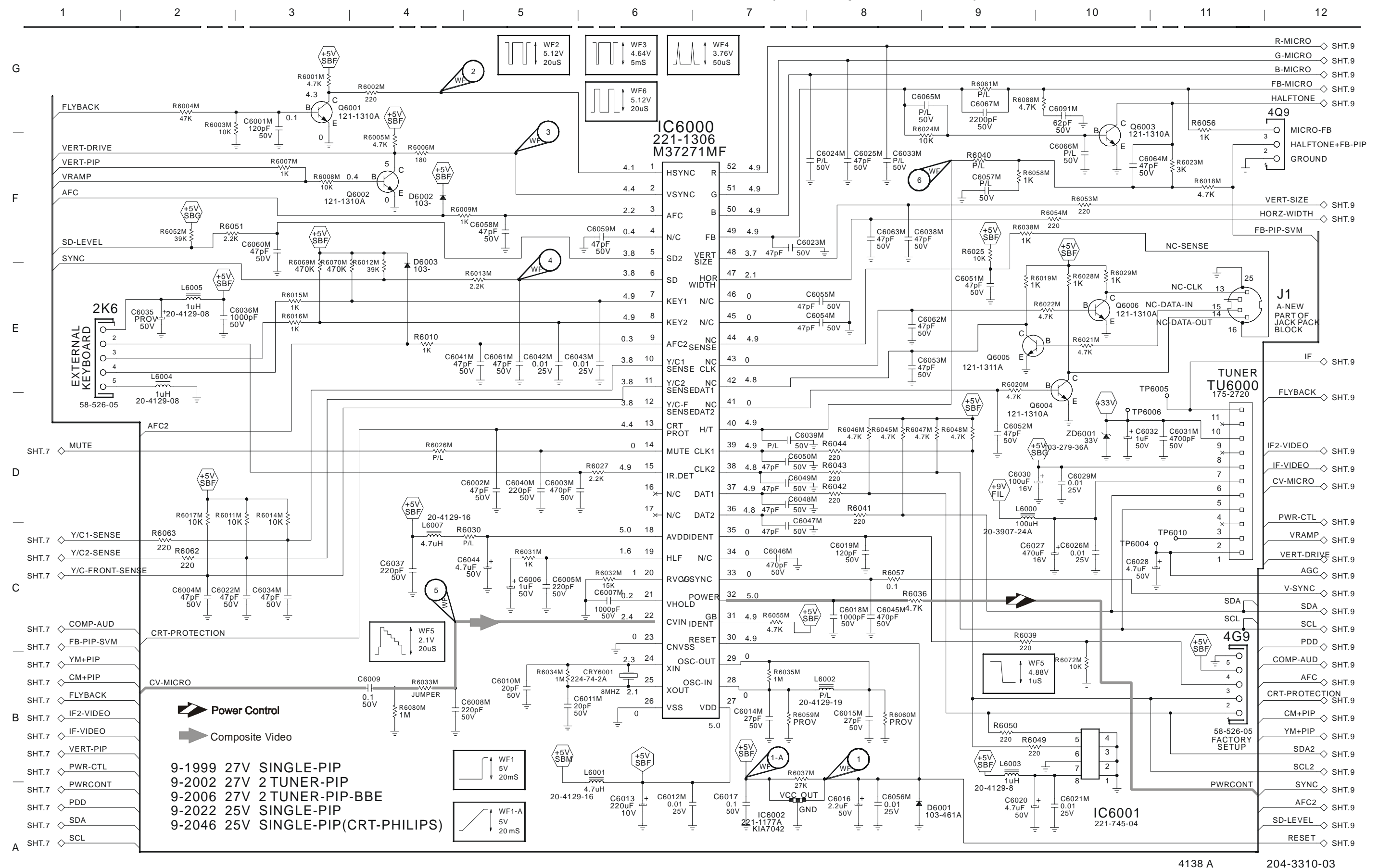
GB Series Main Chassis (Audio Processor)



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.



# GB Series Main Chassis (Microprocessor)



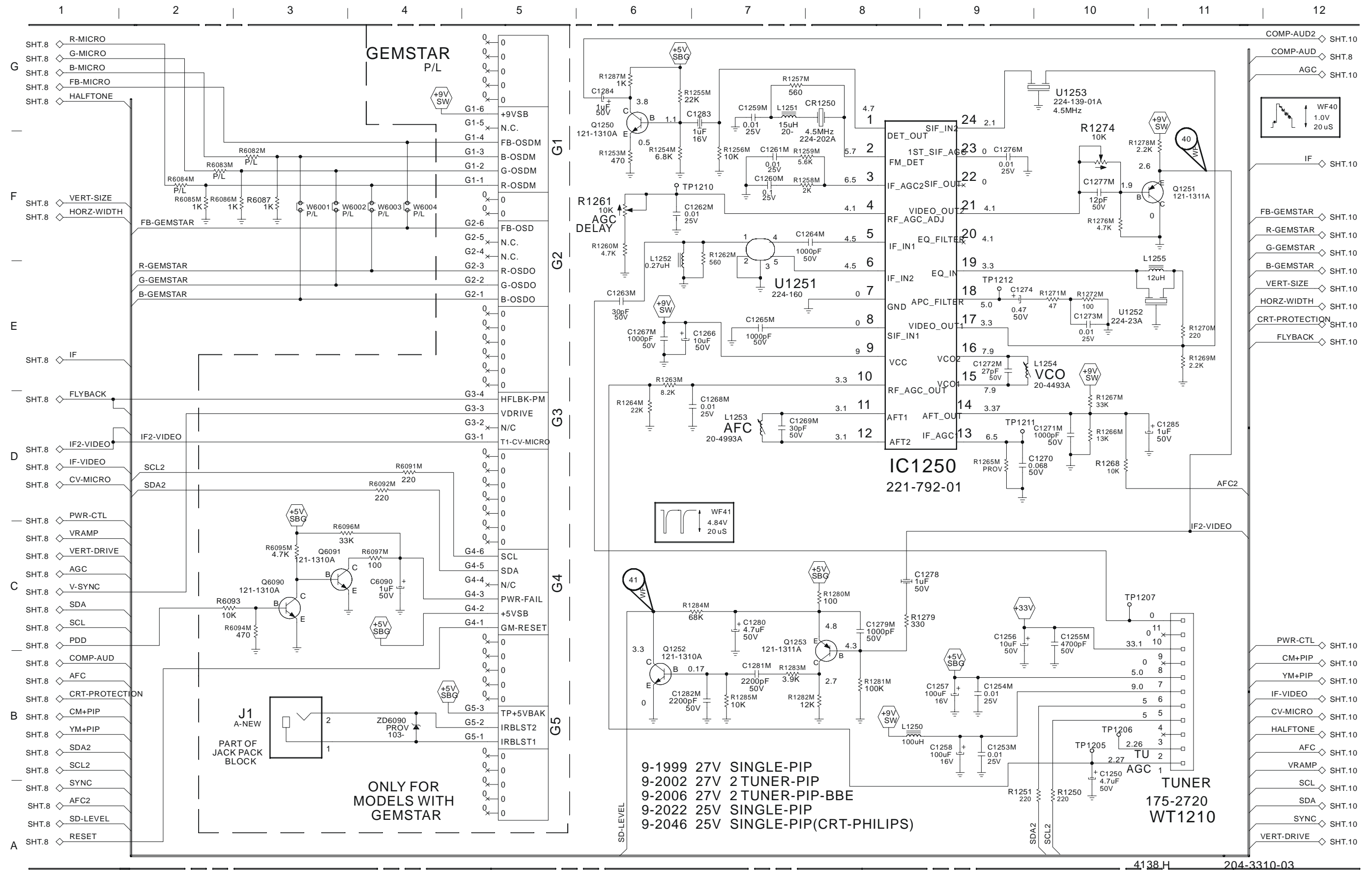
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CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

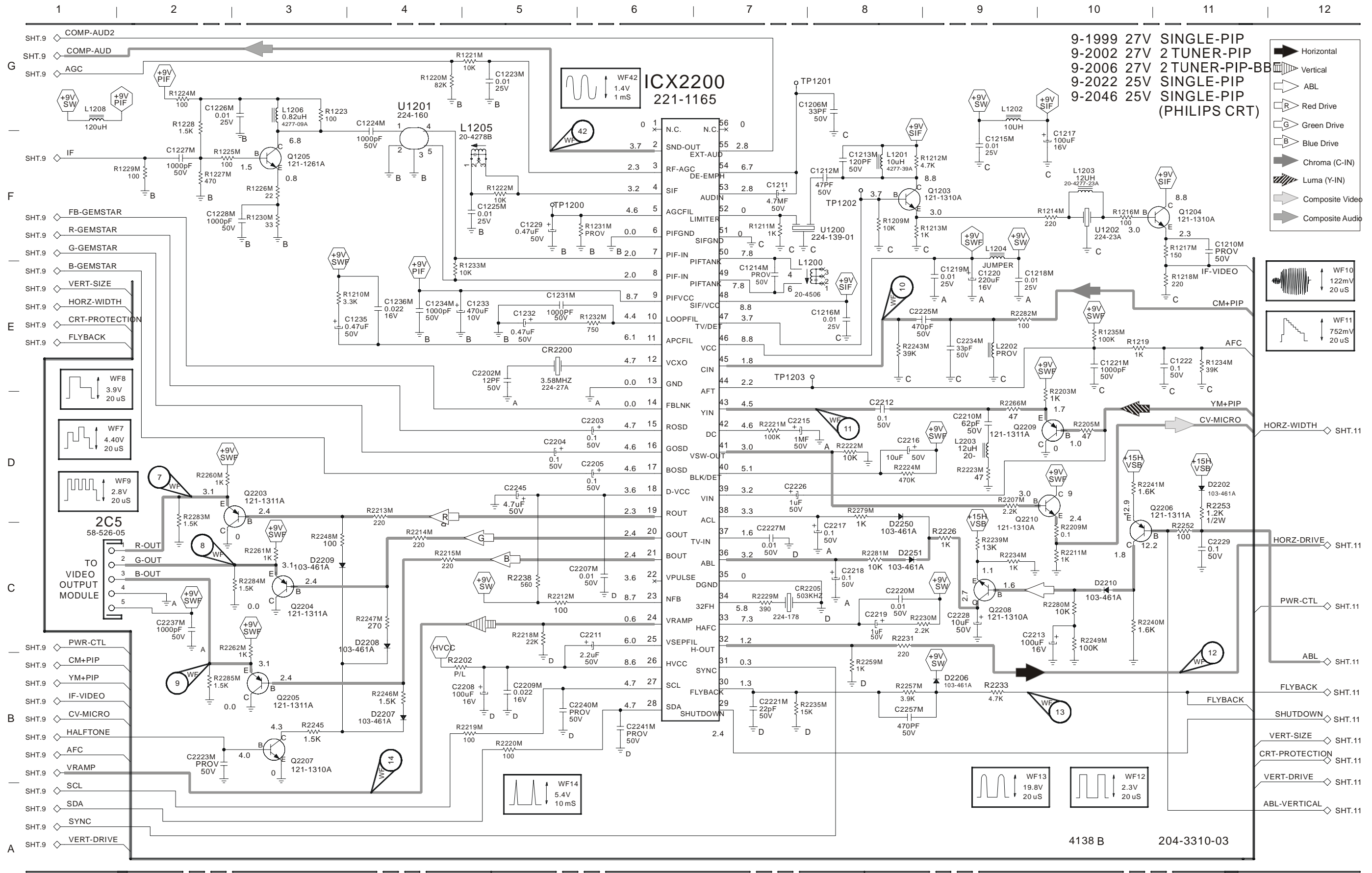
# GB Series Main Chassis Tuner, AGC, IF, & A/V Detectors



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

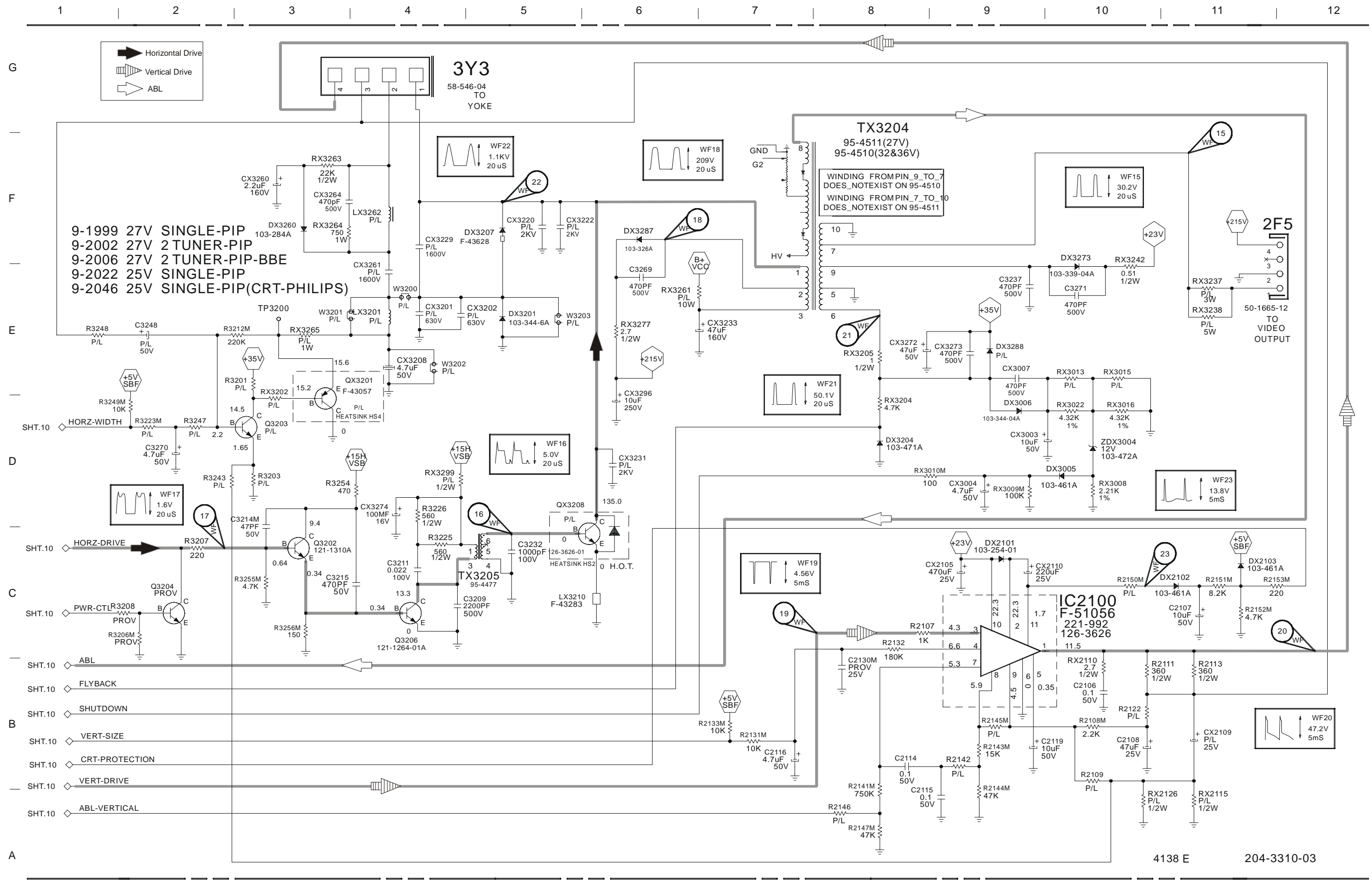
ALL SYMBOLS WITH "M" ON END OF DESIGNATOR  
INDICATE SURFACE MOUNTED COMPONENT

GB Series Main Chassis (Video Processor)



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

GB Series Main Chassis Horizontal/Vertical Deflection



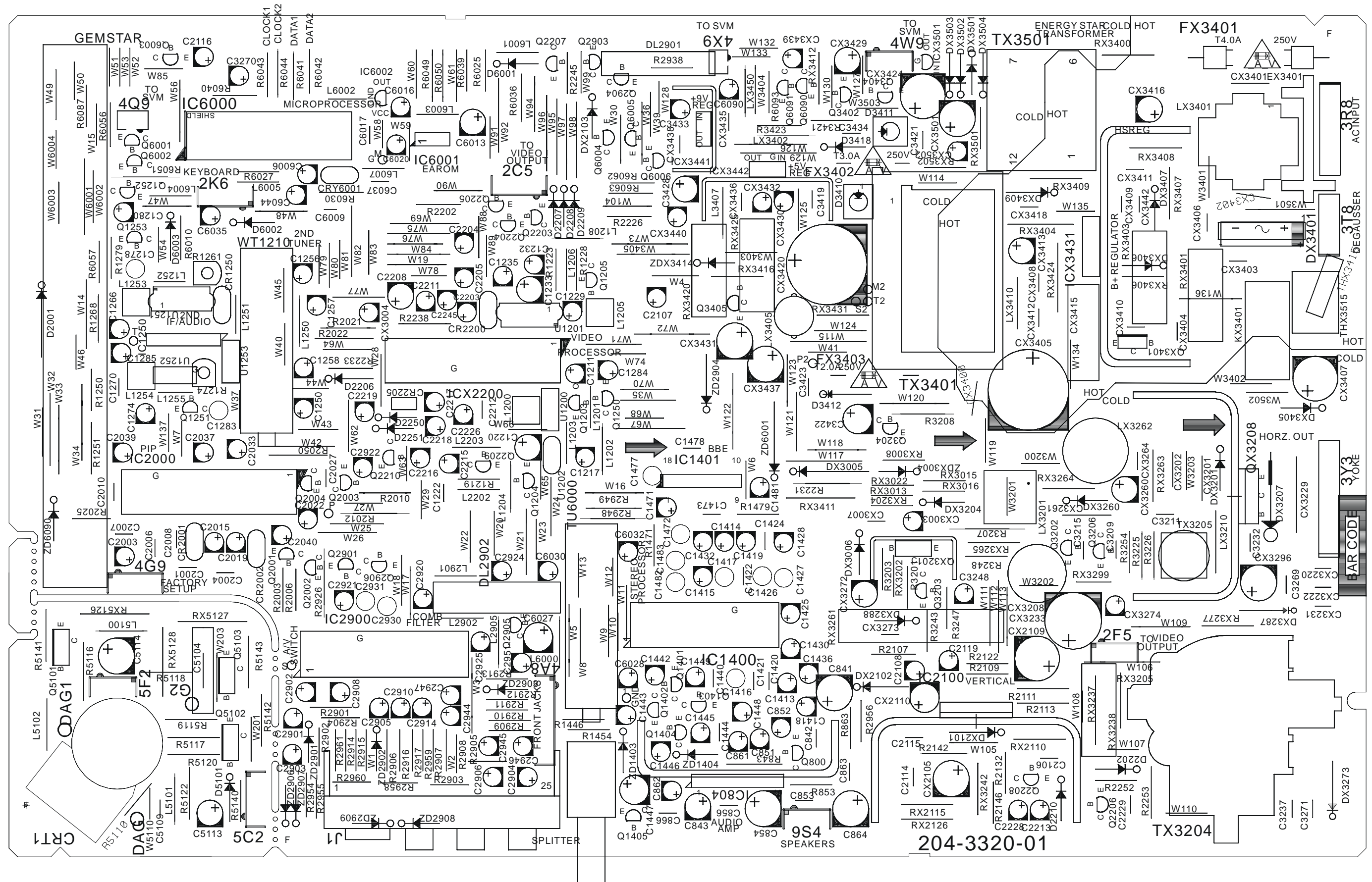
CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.



1 2 3 4 5 6 7 8 9 10 11 12



# GB Series 32V/36V Main Chassis PCB Layout

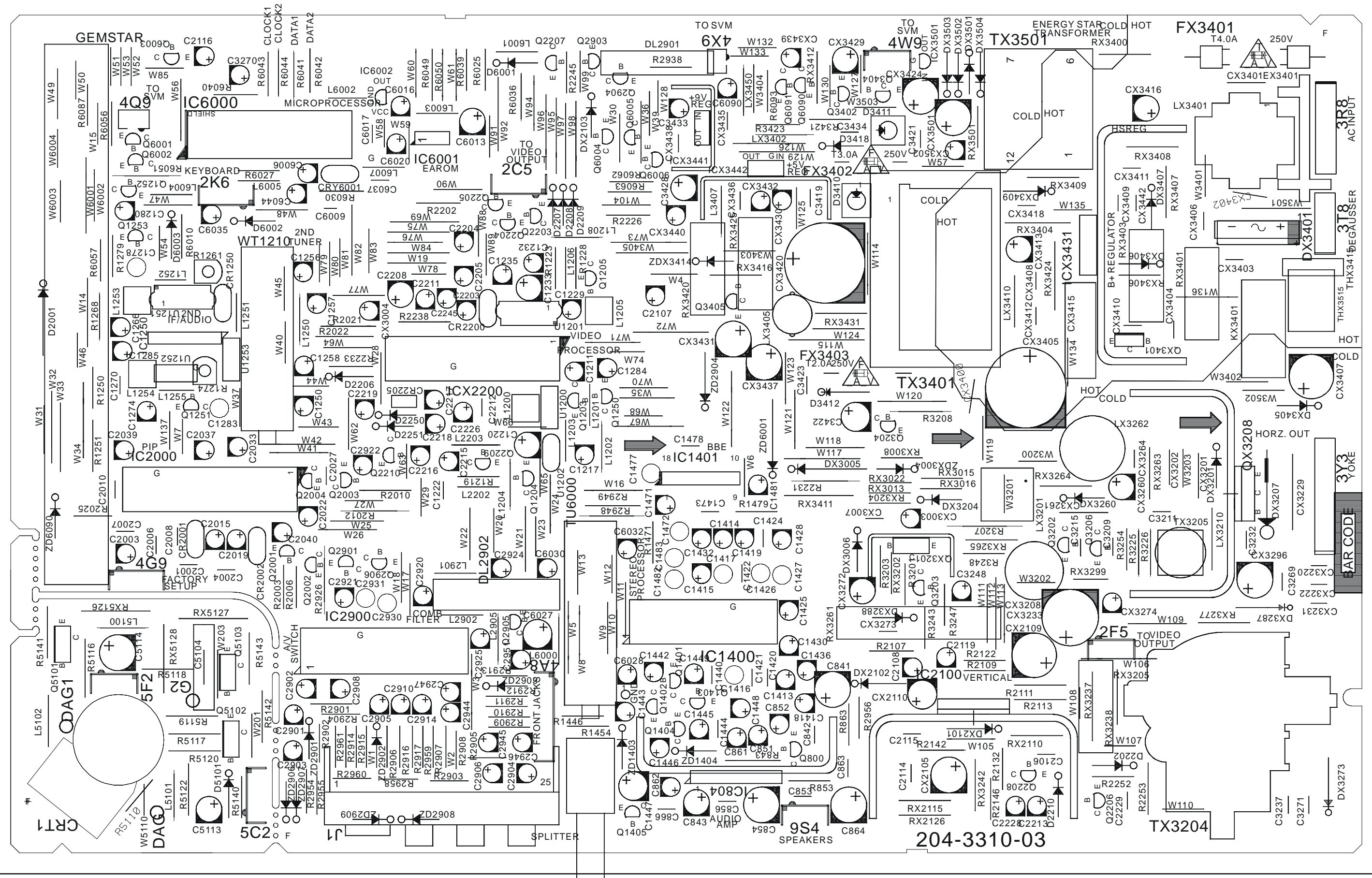


CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

ALL SYMBOLS WITH "M" ON END OF DESIGNATOR  
INDICATE SURFACE MOUNTED COMPONENT



# GB Series 25V/27V Main Chassis PCB Layout



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

ALL SYMBOLS WITH "M" ON END OF DESIGNATOR  
INDICATE SURFACE MOUNTED COMPONENT

# GB Series Main Chassis PCB S.M.D. Layout (Foil Side)



204-3310-03 204-3320-01



CRITICAL SAFETY COMPONENTS ARE IDENTIFIED BY THE LETTER "X" IN THEIR COMPONENT DESIGNATORS. REPLACE ONLY WITH PART NUMBERS SPECIFIED.