

**TOSHIBA**

FILE NO. 050-200423

SERVICE MANUAL

PROJECTION TV

***44NHM84***



# SAFETY PRECAUTIONS

## IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  $\triangle$  in the Schematic Diagram and Replacement Parts List. It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.

### General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

### Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between  $1M\Omega$  and  $5.2M\Omega$ .

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

### Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

#### Do not use a line Isolation Transformer during this check.

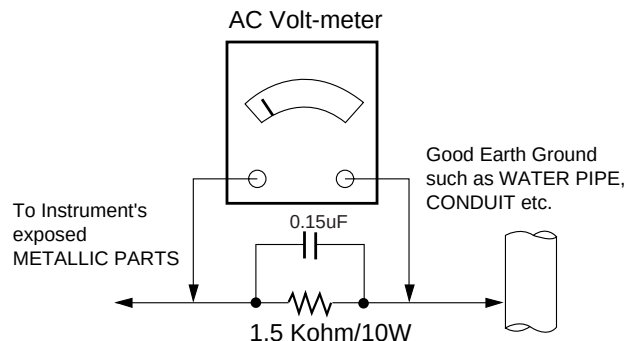
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

### Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center  
P.O.Box 240007, 201 James Record Road Huntsville, AL 35824  
Digital TV Hotline 1-800-243-0000

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# SPECIFICATIONS

## Product Specifications

- *This model complies with the specifications listed below.*
- *Designs and specifications are subject to change without notice.*
- *This model may not be compatible with features and/or specifications that may be added in the future.*

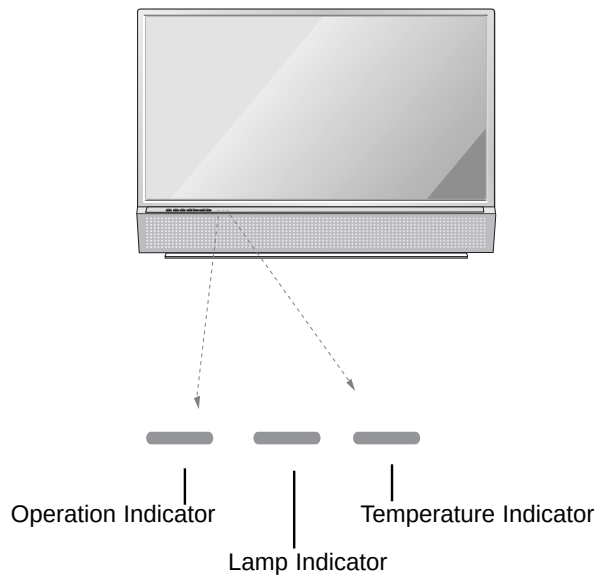
### Model

|                                   |                                                                                                                                                                                                                                                                    |       |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 44NHM84                           | Horizontal Size (Inches)                                                                                                                                                                                                                                           | 39.92 |
|                                   | Height (Inches)                                                                                                                                                                                                                                                    | 29.19 |
|                                   | Depth (Inches)                                                                                                                                                                                                                                                     | 14.29 |
|                                   | Weight (lbs.)                                                                                                                                                                                                                                                      | 59.5  |
| Power Requirement                 | AC 120V, 60Hz                                                                                                                                                                                                                                                      |       |
| Television System<br>broadcasting | NTSC, External STB is required for the reception of Satellite broadcasting or Digital Cable                                                                                                                                                                        |       |
| Television Channels               | VHF: 2 - 13<br>UHF: 14 - 69<br>CATV: 1 - 125                                                                                                                                                                                                                       |       |
| Power Consumption (W)             | 230W                                                                                                                                                                                                                                                               |       |
| Antenna                           | 75 ohm External Terminal for VHF/UHF                                                                                                                                                                                                                               |       |
| Audio Output (W)                  | 12W x 2                                                                                                                                                                                                                                                            |       |
| External Input/Output Ports       | A/V input (3 set)<br>Monitor out (1 set)<br>S-Video input (2)<br>COLORSTREAM HD input (2 set)<br>RGB input (1)<br>DVI input (1)<br>RGB/DVI audio input (1 set)<br>Variable audio output (1 set)<br>Audio center mode input (1)<br>Upgrade port (1)<br>RF input (1) |       |

## DESCRIPTION OF CONTROLS

### Function Status Indicators

Lamp indicator, operation indicator, and temperature indicator located below the front panel controls, reveal the operating status of the DLP projection TV.

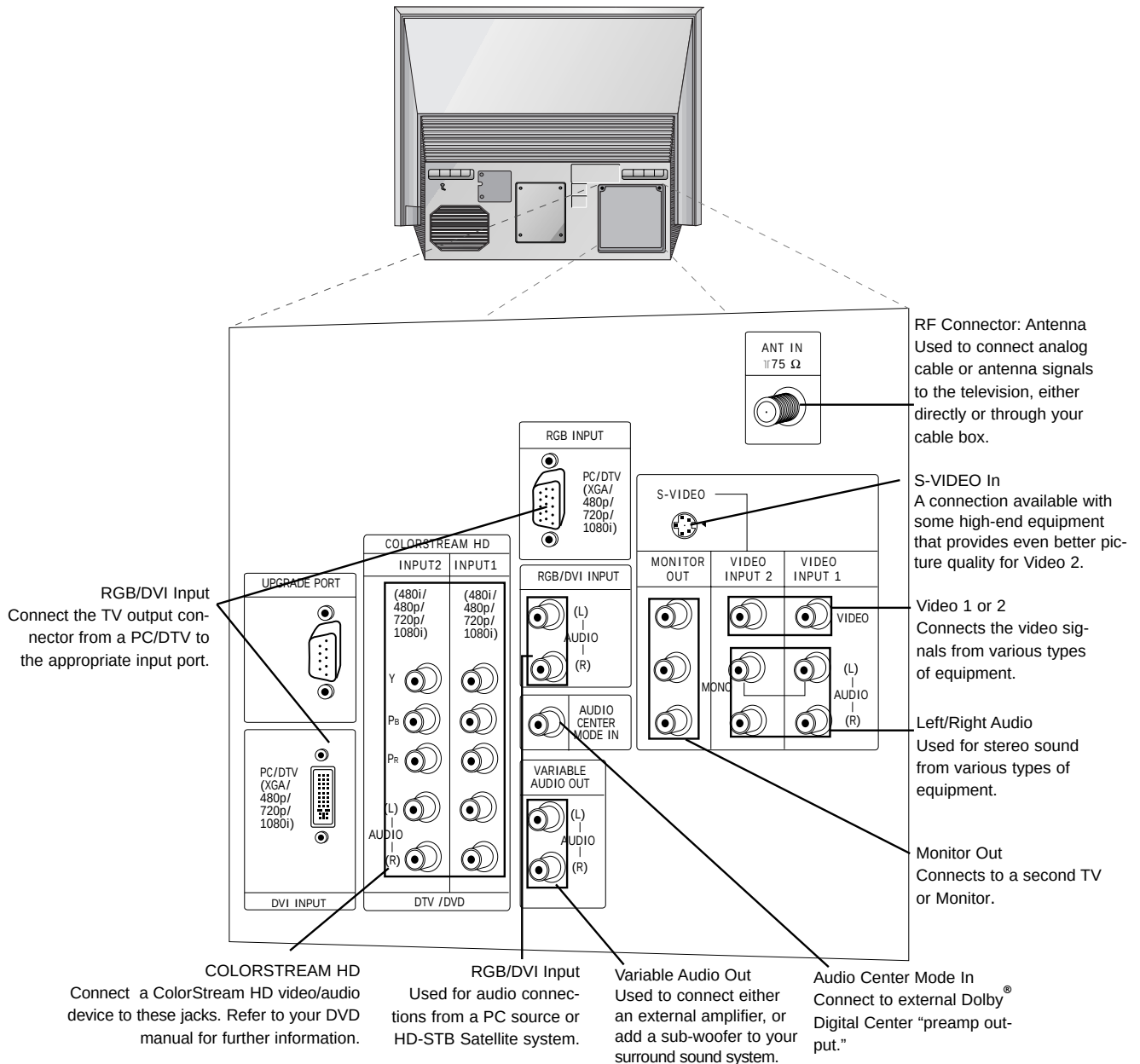


|                       |                   |                                                                                                   |
|-----------------------|-------------------|---------------------------------------------------------------------------------------------------|
| Operation Indicator   | Off               | Power cord is not connected.                                                                      |
|                       | Red               | Power Cord is connected, TV is in standby mode.                                                   |
|                       | Green             | TV turns on.                                                                                      |
|                       | Orange (flashing) | Preparing operation in standby mode.                                                              |
| Lamp Indicator        | Green (flashing)  | The lamp cover is not closed.                                                                     |
| Temperature Indicator | Orange            | The projection TV is overheating. Check the blocked vents of the projection TV .                  |
|                       | Red               | The projection TV shut down due to overheating.                                                   |
|                       | Red (flashing)    | The projection TV shut down due to the cooling fan trouble. Contact an authorized service center. |

# DESCRIPTION OF CONTROLS

## Rear Connections Panel

Connecting cables and external equipment to your TV.



### Mini glossary

- JACK** A connection on the back of a TV, VCR, or any other A/V device. This includes the RF jack and the Audio/Video jacks that are color-coded.
- SIGNAL** Picture and sound traveling through cable, or over the air, to your television screen.

## DESCRIPTION OF CONTROLS

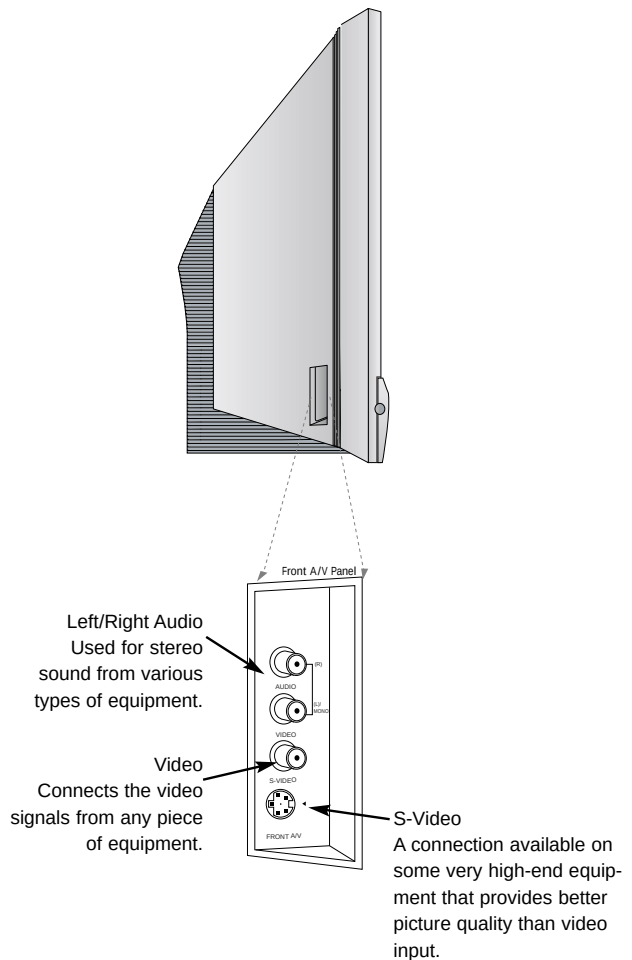
### Front Connection Panel

There are four jacks on the left front of your projection TV that make connecting Audio/Video devices like video games and camcorders very simple.

The jacks are like those found on the back jack connection panel. This means that most equipment that connects to those types of jacks on the rear jackpack, may be connected to the front connection panel.

To use the front jacks as the signal source, select them using Main Input menu as described on page 27. They will be named "Front Video" in the Main Input menu.

- ◆ If you input both Front Video and S-Video, only the S-Video will work.
- ◆ If you're connecting a video game device, make sure to change the picture settings with the Picture Mode option in the Video menu.



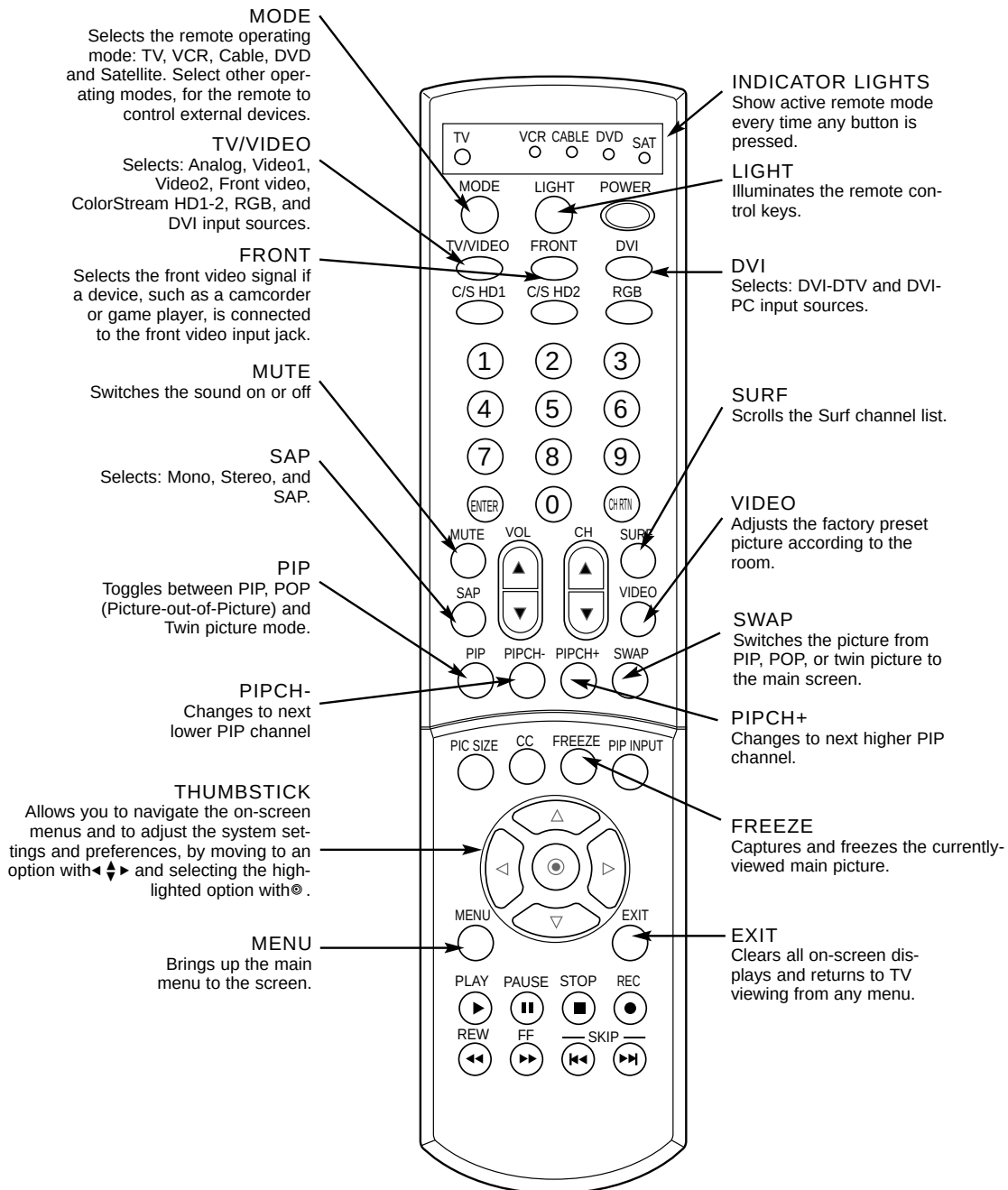
#### Mini glossary

**A/V CABLES** Audio/Video cables. Three cable connectors—Right audio (red), Left audio (white), and Video (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound from other A/V devices.

**A/V DEVICE** Any device that produces video or sound (VCR, DVD, cable box, or television).

# DESCRIPTION OF CONTROLS

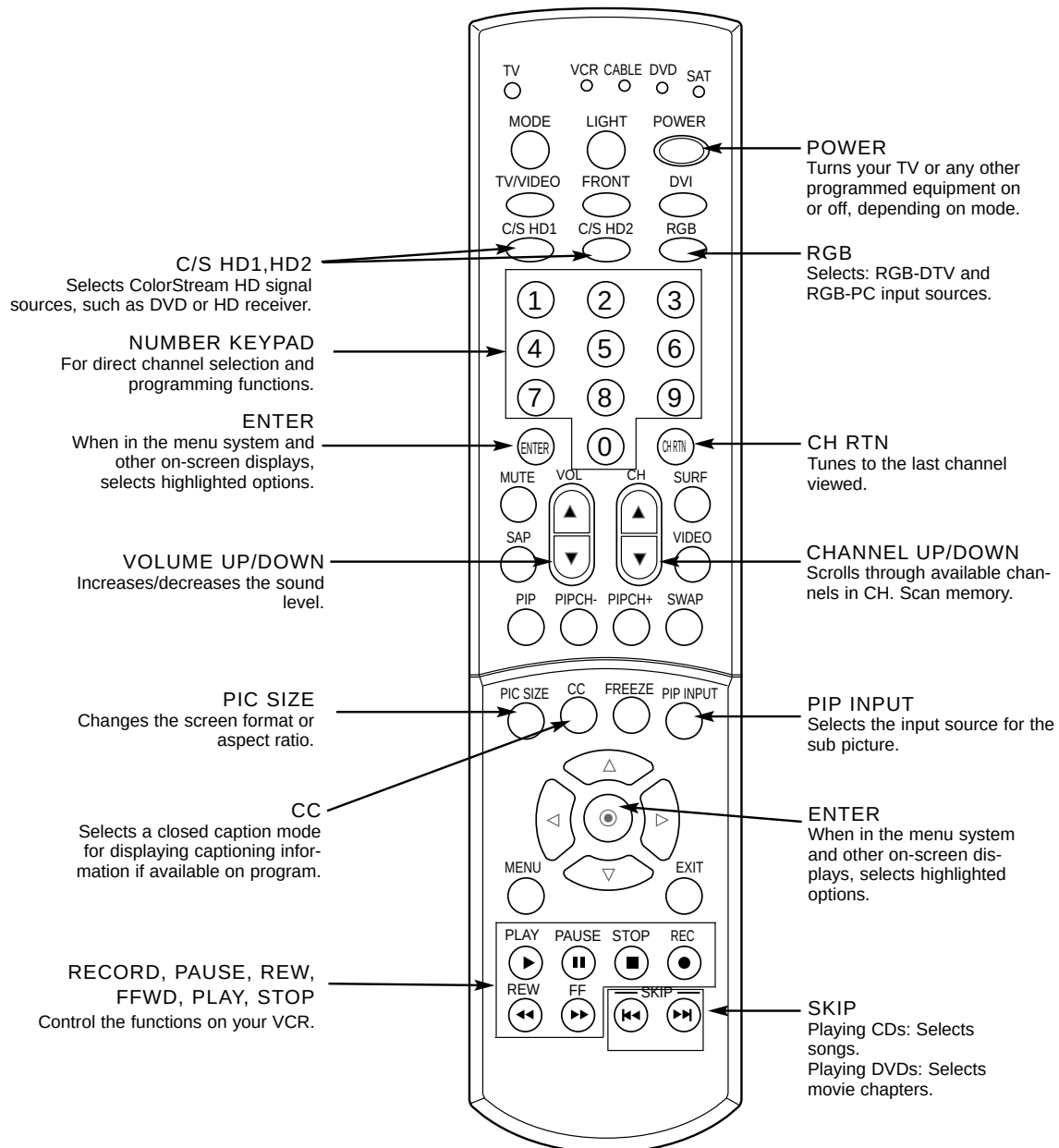
## Remote Control Functions in TV Mode





# DESCRIPTION OF CONTROLS

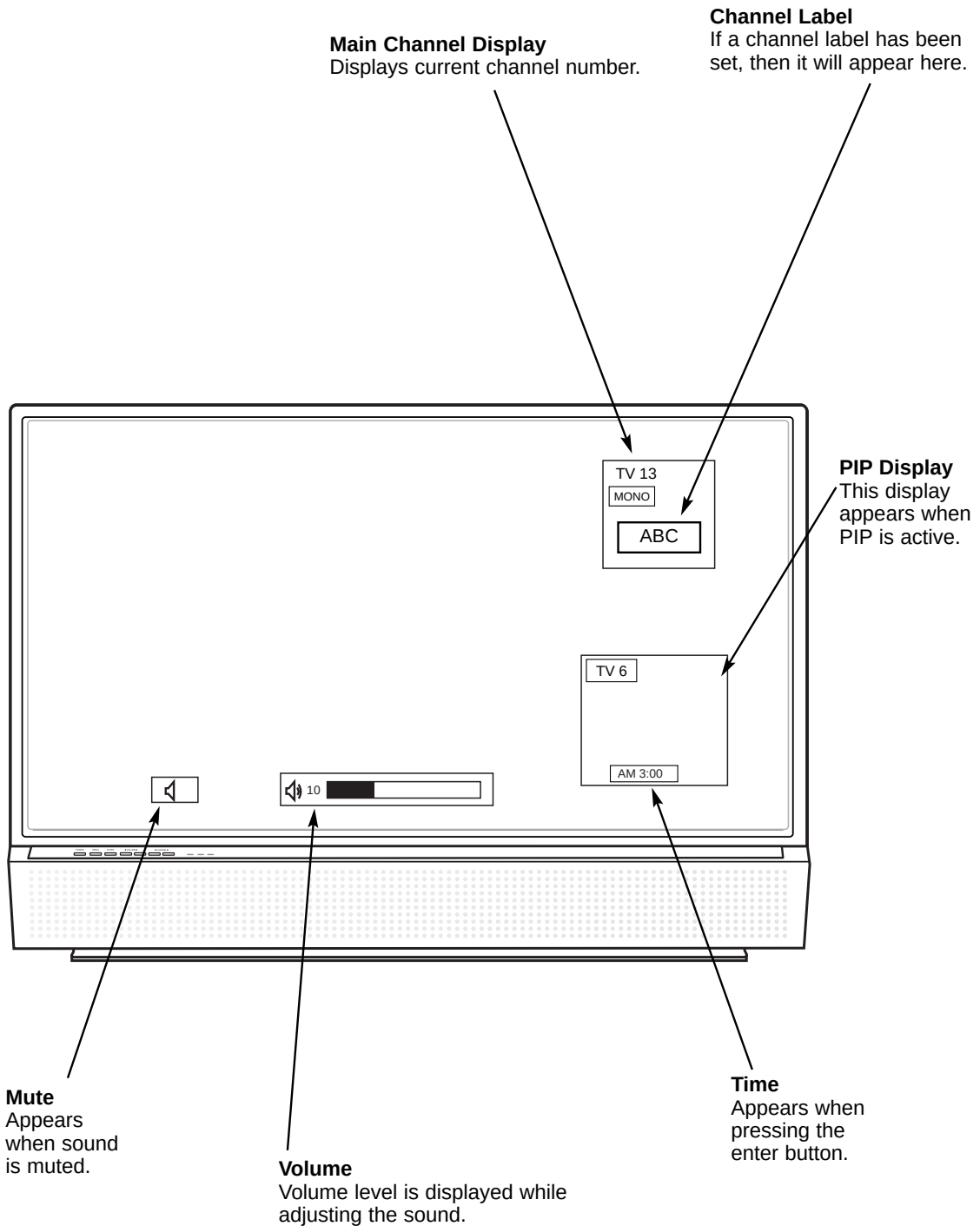
## Remote Control Functions in TV Mode



# DESCRIPTION OF CONTROLS

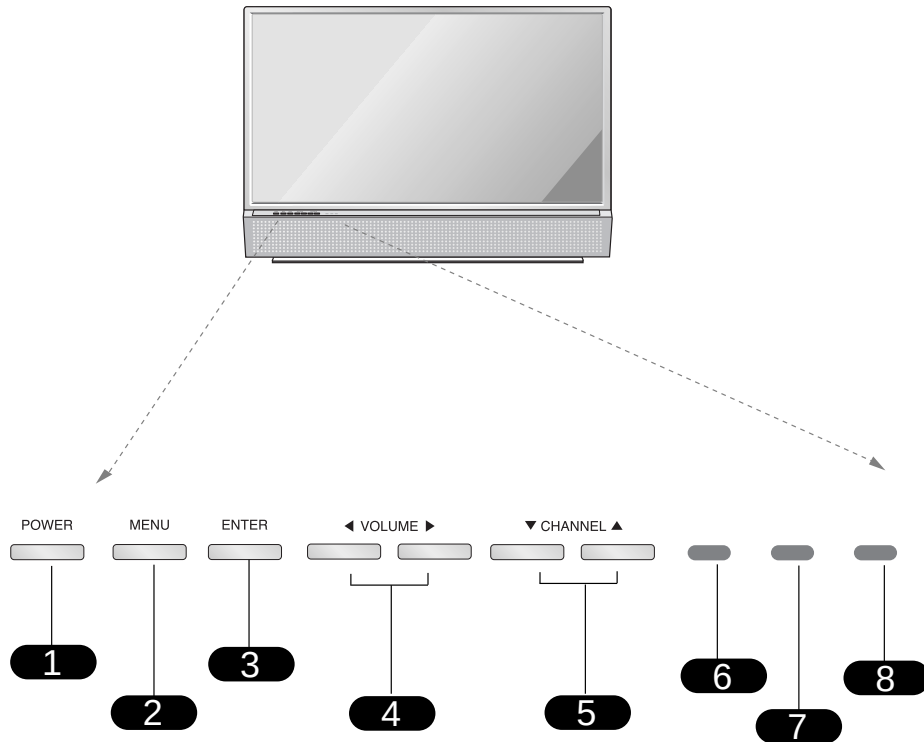
## On-Screen Displays

This page describes your on-screen display and information banner options.



## DESCRIPTION OF CONTROLS

### Front Panel Controls



- 1** POWER
- 2** MENU
- 3** ENTER (Same as ENTER button on your remote control)
- 4** VOLUME UP / DOWN
- 5** CHANNEL UP / DOWN
- 6** Operation indicator.
- 7** Lamp indicator.
- 8** Temperature indicator.

- ◆ See menu pages for instructions on using the on-screen menus.
- ◆ The POWER, MENU, ENTER, VOLUME, and CHANNEL buttons work just as they do on your remote control.
- ◆ If TV is moved from cold to normal room temperature, condensation may form inside TV, wait 6~7 hours for the TV to adjust to room temperature before turning it on.

# ADJUSTMENT INSTRUCTIONS

## 1. Application Object

This instruction is for the application to the DLP Projection(Chassis: MB-042G).

## 2. Notes

- (1) The power source insulation of this DLP Projection is not charging type and you may not use the transformer for insulation. But you'd better adjust the set after operating it with insulation transformer between power supply cable and input part of the set for protecting the adjusting equipments.
- (2) The adjustment must be performed under the correct sequence.
- (3) The adjustment must be performed in the circumstance of  $25\pm 5^{\circ}\text{C}$  of temperature and  $65\pm 10\%$  of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must keep AC 120V, 60Hz in adjusting.
- (5) The set must be operated for 5 minutes preliminarily before adjustment if there is no specific designation. The preliminary operation must be performed after receiving 100% white pattern, but reception of the moving picture may also be possible in unavoidable case.

## 3. Composition of Adjustment Mode

- (1) All adjustment mode are entered by pressing the ADJ key on the remote control, after adjustment press the ADJ key to come out.
- (2) Below picture is screen composition when press the first ADJ key.

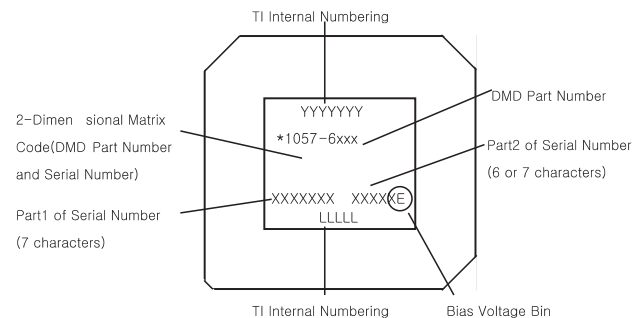


<Fig. 1> Adjustment Mode OSD

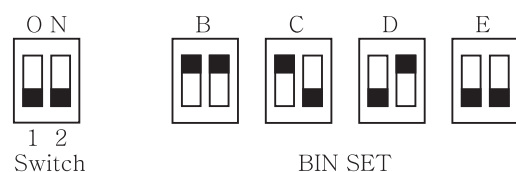
- (3) As shown <Fig. 1>, using the (CH+ (▲)), CH- (▼)) key, select to item press the ENTER or VOLUME+ (►) key to enter the appropriate item and operate the adjustment.
- (4) Change the value of adjustment with using the volume + (►), volume - (◄) key after select adjustment item one more using the (CH+ (▲)), CH- (▼)) key in ADJ Mode.
- (5) Press the ADJ key to come out after adjustment.
- (6) Preparation for Adjustment
  - 1) Connect the power to TV Set and set the status of "Power on".
  - 2) Heat-Run must operate over 5 minutes before adjustment.

## 4. Driver Board Bin Setting

See Bias Voltage Bin on the DMD as shown <Fig. 2> and adjust the switch on the lower Driver Board as shown <Fig. 3>.



<Fig. 2> DMD Marking Locations



<Fig. 3> Driver Board Bin Setting

# ADJUSTMENT INSTRUCTIONS

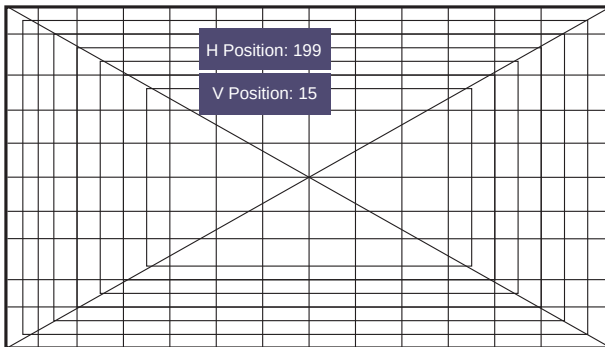
## 11. Screen Position Adjustment

### 11-1. Required Test Equipments

Remote Control for Adjustment

### 11-2. Horizontal Position Adjustment

- (1) Press ADJ key on the remote control to enter the adjustment mode.
- (2) Select the POSITION of the adjustment menu.
- (3) Appear the adjustment pattern as below figure.



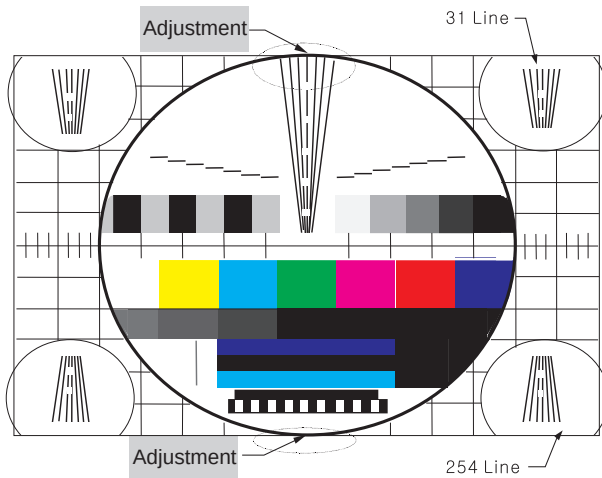
<Fig. 13> Pattern for Screen Adjustment

- (4) Change data with using the VOLUME key on the remote control in order to be left/right symmetry screen.
- (5) In case of over variable range is N.G.

### 11-3. Vertical Position Adjustment

- (1) Change data with using the CHANNEL key on the remote control in order to be upper/down symmetry screen. (Refer to <Fig. 14>)
- (2) In case of over variable range is N.G.

\* After adjustment completed, receive NTSC-M Digital Pattern and check the adjustment level.



<Fig. 14>

## 12. White Balance Adjustment

(Day Light Mode) : R fixation

### 12-1. Required Test Equipments

CA110 or CA210

### 12-2. White base value (Medium)

$x = 0.283$ ;  $0.01$ ,  $y = 0.297$ ;  $0.01$

### 12-3. Adjustment Sequence

- (1) Install the equipment(CA110) be 20cm(CA210: 5cm) away from screen center.
- (2) Select White balance by pressing ADJ Mode Key on Remote control.
- (3) Warm(6500°K) :  $x = 0.313$ ,  $y = 0.320$ 
  - 1) R Gain 110 fixation
  - 2) Adjust white balance changing G, B gain.
  - 3) Offset fixation R/G/B --> -8, -10, -8
- (4) Medium(9300°K) :  $x = 0.283$ ,  $y = 0.297$ 
  - 1) R Gain 112 fixation
  - 2) Adjust white balance changing G, B gain.
  - 3) Offset fixation R/G/B --> -11, -11, -8
- (5) Cool(12000°K) :  $x = 0.275$ ,  $y = 0.277$ 
  - 1) R Gain 112 fixation
  - 2) Adjust white balance changing G, B gain.
  - 3) Offset fixation R/G/B --> -12, -13, -8

\* Reference : Spoke Func. -> 0  
Gamma table -> 0  
Lamp Type -> 1(OSR2/PHIL)  
Img. Orient. -> 0

# ADJUSTMENT INSTRUCTIONS

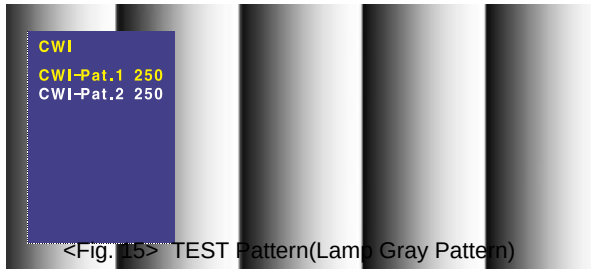
## 13. CWI (Color Wheel) Adjustment

### 13-1. Required Test Equipments

Remote control for adjustment

### 13-2. Preparation for Adjustment

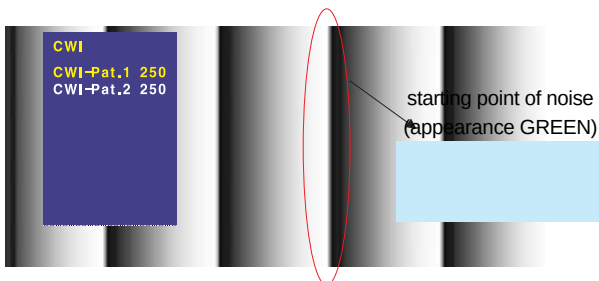
- (1) Connect the power at TV set to turn set on.
- (2) Using the remote control, enter from ADJUST to CWI.  
(Base value: 250)



<Fig. 15> TEST Pattern(Lamp Gray Pattern)

### 13-3. Adjustment

- (1) Using the Volume key, adjust CWI-Pat. 1 to the left/right.
- (2) As adjustment, check the appearance noise in the TEST Pattern.  
Setting the value reduced 3~4 step at a GREEN noise disappearing spot.



- (3) Using CH UP/DOWN key of the remote control, enter the RED PATTERN.
- (4) Check the RED Pattern to uniform. After checking unless abnormality do OK.



<Fig. 16> TEST Pattern(RED Pattern)

※ As temperature is different sensitivity, change angle of the color wheel. At this time, the adjustment is done because color may be changed.

## 14. Main/Sub Contrast Adjustment

### 14-1. Preparation for Adjustment

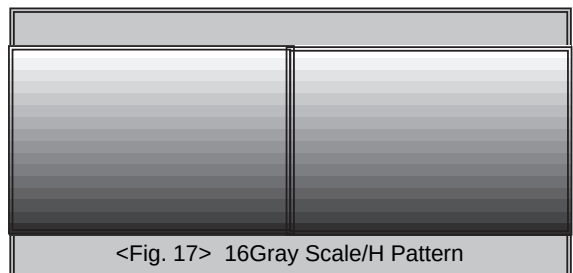
- (1) Connector RF-NTSC Cable to rear terminal.
- (2) Confirms picture probably is the normal.

### 14-2. Adjustment

- (1) Using the remote control, enter from ADJUST to Contrast.  
(Base value: MAIN-135, SUB-46)
- (2) Select the adjustment item of MAIN/SUB using CH +/- key.
- (3) Revises the contrast of MAIN/SUB using VOL +/- key.
- (4) The field and the letters are distinguished.  
The field and the letters are distinguished.  
Adjust to be difference of the MAIN/SUB it is few most.

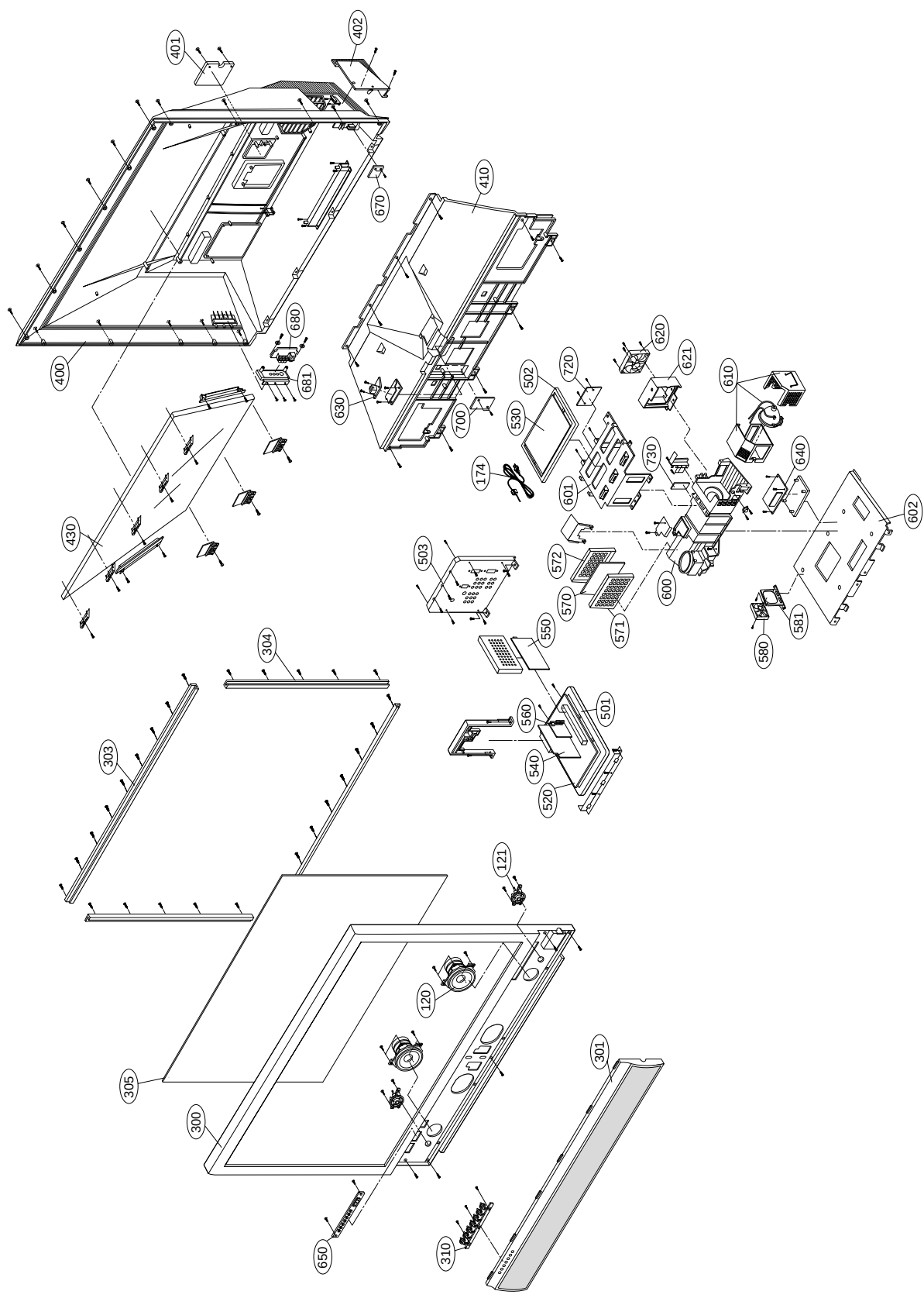
### 14-3. Overseas Factory Production Contrast Adjustment Method

- (1) Do the same method as above method.
- (2) Make the as same below pattern in VHF 6CH using RF MODULATOR and PATTERN GENERATOR.
- (3) Adjust to become dividing 15 and 16 Gray of Main/Sub screen .
- (4) Adjust to be identical Main/Sub contrast of MAX 16Gray.
- (5) Make the adjustment pattern refer to <Fig. 17>.



<Fig. 17> 16Gray Scale/H Pattern

# EXPLODED VIEW



## EXPLODED VIEW PARTS LIST

### CAUTION:

The international hazard symbols “” in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing

### NOTICE:

- The parts number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.
- The P.C. board assembly with \* mark is no longer available after the end of the production.

| LOCA. NO. | PART NO. | DESCRIPTION                                                                        | REFERENCE NO. |
|-----------|----------|------------------------------------------------------------------------------------|---------------|
| 120       | AZ684014 | SPEAKER, WOOFER C080P23K1450 ESTEC WOOFER 8OHM 15/25W                              | 6400WESC01A   |
| 121       | AZ684015 | SPEAKER, TWEETER D016D01K1450 8OHM 15/25W 85DB 50 NON                              | 6400DESA01A   |
| 174       | AZ684016 | POWER CORD, UL/CSA3000MM 3P 3000MM HUG BLACK 500MH 7A                              | 6410VUH004A   |
| 300       | AZ780010 | CABINET, DN-44SZ80L LCD PJT FRONT                                                  | 3090V00556A   |
| 301       | AZ780011 | BRACKET ASSEMBLY, SPEAKER RU-44SZ83D MB042G GRILLE TOSHIBA                         | 4811V00174A   |
| 303       | AZ780012 | SOPPORTER, SCREEN AL BAR U/L                                                       | 4980V00A29G   |
| 304       | AZ780013 | SOPPORTER, SCREEN AL BAR R/L                                                       | 4980V00A29H   |
| 305       | AZ780014 | SCREEN ASSEMBLY, WLF DN-44SZ80L 991*564*3.4                                        | 3351V00020A   |
| 310       | AZ780015 | BUTTON, CONTROL RU-44SZ83D ABS, HF-380 7KEY TOSHIBA OEM                            | 5020V01025A   |
| 400       | AZ780016 | BACK COVER, DN-44SZ80L NB-042A                                                     | 3808V00455A   |
| 401       | AZ780017 | COVER, DN-44SZ80L ABS POWER CODE                                                   | 3550V00424A   |
| 402       | AZ780018 | COVER, LAMP RU-44SZ83D HIPS 40AF TOSHIBA                                           | 3550V00423D   |
| 410       | AZ780019 | COVER, DN-44SZ80L HIPS 40AF RU-44SZ83D                                             | 3550V00425B   |
| 430       | AZ780020 | MIRROR, REFLECTION AVATEC GLASS FRONTSIDE 940 (H1)*500 (H2)*498 (V)*3.0 (T) 1ST 44 | 5018V00039F   |
| 501       | AZ780021 | FRAME, ABS AF-303S RN-48SZ40H MAIN CHASSIS                                         | 3210V00165B   |
| 502       | AZ780022 | FRAME, CHASSIS HIPS 40AF DN-44SZ60D SMPS                                           | 3210V00191A   |
| 503       | AZ780023 | BRACKET ASSEMBLY, REAR AV RU-44SZ83D NON BOARD TERMINAL                            | 4811V00125G   |
| 520       | AZ680001 | PCB ASSEMBLY, MAIN MB-042G M/I FOR RU-44SZ83D(TOSHIBA OEM)                         | 6871VMMT51A   |
| 530       | AZ680002 | PCB ASSEMBLY, POWER SMPS MB042G M/I FOR RU-44SZ83D (TOSHIBA OEM)                   | 6871VPMMA84A  |
| 540       | AZ680003 | PCB ASSEMBLY, SUB TUNER MB-042G M/I FOR RU-44SZ83D (TOSHIBA OEM)                   | 6871VSMAAJA   |
| 550       | AZ680004 | PCB ASSEMBLY, SUB DIGITAL MB-042G M/I FOR RU-44SZ83D (TOSHIBA OEM)                 | 6871VSMT19A   |
| 560       | AZ680005 | PCB ASSEMBLY, SUB MB-042G COMPONENT M/I FOR RU-44SZ83D (TOSHIBA OEM)               | 6871VSMMAHA   |
| 570       | AZ680006 | PCB ASSEMBLY, SUB CRM MB04EA DRIVE M/I ASSY FOR LVDS HD2 (TOSHIBA)                 | 6871VSMZ44F   |
| 571       | AZ780024 | SHIELD, COVER DN-44SZ60D NB03KB AL DRIVER FRONT DLP720P SHILD CASE                 | 4814V00394B   |
| 572       | AZ780025 | SHIELD ASSY, DN-44SZ60D NB03KB SUS, SHILD CASE DRIVE BOTTOM                        | 4814V00434B   |
| 580       | AZ684017 | FAN, DC F6025S06B2-RH DONGYANG 60* $\phi$ *25 6 2000RPM.650MM                      | 5900V06007A   |
| 581       | AZ780026 | SUPPORTER, FAN SPCC(CR), DN-44SZ60H                                                | 4980V00813B   |
| 600       | AZ684002 | CHASSIS ASSEMBLY, ENGINE MB-042G 720P FOR RU-44SZ83D (TOSHIBA OEM)                 | 3141VEN044A   |
| 601       | AZ780027 | SUPPORTER, SMPS EGI RU-44SZ83D                                                     | 4980V01175A   |
| 602       | AZ780028 | SUPPORTER, OPTICAL EGI ENGINE DLP RZ-44SZ80DB                                      | 4980V00817B   |
| 610       | AZ684001 | LAMP UNIT                                                                          | TBL4-LMP      |
| 620       | AZ684018 | FAN, DC G12225S06B2-FS DONGYANG 120*120*25 6V 1000RPM.1000MM                       | 5900V12005A   |
| 621       | AZ780029 | BRACKET, FIXER RN-44SZ50H NB03JA ABS, AF-303S FAN HOLDER                           | 4810V00813A   |
| 630       | AZ680007 | PCB ASSEMBLY, SUB P/AMP NB042A DN-44SZ80L                                          | 6871VSN221E   |
| 640       | AZ684019 | BALLAST, EUC-120P/H11 PHILIPS 20KV                                                 | 6316000007A   |
| 650       | AZ680008 | PCB ASSEMBLY, SUB CONT MB042A 80L CONTROL                                          | 6871VSME75A   |
| 670       | AZ680009 | PCB ASSEMBLY, SUB MB042A 80L CASE DET                                              | 6871VSME03D   |
| 680       | AZ680010 | PCB ASSEMBLY, SUB MB042A SIDE AV DN-44SZ80L                                        | 6871VSN220B   |
| 681       | AZ680011 | BOARD ASSY, RU-44SZ83D MB042G TOSHIBA OEM                                          | 3500V00061Z   |
| 700       | AZ680012 | PCB ASSEMBLY, SUB INTER MB042G FOR RU-44SZ83D                                      | 6871VSMME82G  |
| 720       | AZ680013 | PCB ASSEMBLY, POWER SMPS MB042G AC INPUT M/I (TOSHIBA OEM)                         | 6871VPMMA85A  |
| 730       | AZ680014 | PCB ASSEMBLY, SUB SENSOR MB03CC HD2 7SEGMENT SENSOR B/D                            | 6871VSMW40E   |



# ELECTRICAL REPLACEMENT PARTS LIST

## CAUTION:

The international hazard symbols “” in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

## NOTICE:

- The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.
- The P.C. board assembly with \* mark is no longer available after the end of the production.

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the REFERENCE NO. means as follows;

CC, CX, CK, CN : Ceramic

CQ : Polyester

CE : Electrolytic

RD : Carbon Film

RS : Metal Oxide Film

RN : Metal Film

RF : Fusible

| LOCA. NO. | PART NO. | DESCRIPTION                            | REFERENCE NO. |
|-----------|----------|----------------------------------------|---------------|
| IC        |          |                                        |               |
| IC1       | AZ681001 | M37151EFPF 42P SSOP R/TP MICOM         | 0ICTMMI057A   |
| IC1       | AZ681002 | GP2S40 SHARP 4P                        | 0IMCRSH003A   |
| IC1       | AZ681003 | TC7S14F(T5L,T)5P                       | 0IPRPTO002A   |
| IC100     | AZ681004 | 74HC14D 14SOP                          | 0IPH741400E   |
| IC100     | AZ681005 | MC34063ADR2G SO-8P DC-DC CONVERTER     | 0IPMGON013B   |
| IC1000    | AZ681006 | M62320FP 16P SOP                       | 0IMI623200B   |
| IC1001    | AZ681006 | M62320FP 16P SOP                       | 0IMI623200B   |
| IC1004    | AZ681007 | THC63LVD104A 64P                       | 0IMCRTH003A   |
| IC101     | AZ681008 | KIA278R05PI TO220IS, 4P                | 0IMCRKE006A   |
| IC102     | AZ681009 | M306V7FJFP 100P                        | 0IMCRM1070B   |
| IC102     | AZ681010 | KIA7809API TO220 ST 3P 9V              | 0IKE780900M   |
| IC103     | AZ681011 | 24LC256-I/SM 8P 256K IIC SERIAL EEPROM | 0IMP242560A   |
| IC104     | AZ681012 | KIA7027AF 3, SOT-89 TP RESET IC 2.7V   | 0IKE702700D   |
| IC105     | AZ681013 | ST3232CDR SOP16 RS232                  | 0IMCRSG010A   |
| IC106     | AZ681014 | THC63LVD103 64P                        | 0IMCRTH002A   |
| IC107     | AZ681015 | EL2250CS-T7 8P                         | 0IMCRET002B   |
| IC1200    | AZ681016 | KIA78R05F 5PIN DPAK R/TP 1A, 5V        | 0IPMGKE030A   |
| IC1201    | AZ681017 | CXA2181Q 48P VIDEO SYNC SELECTOR       | 0IMCRSO025A   |
| IC2       | AZ681018 | TC7S14F(T5L,T)5P                       | 0IPRPTO002A   |
| IC2       | AZ681019 | KIA78R33API 4P TO220 ST 3.3V           | 0IMCRKE019A   |
| IC200     | AZ681020 | CXA2069Q QFP64 BK 12C BUS AV S/W       | 0ISO206900A   |
| IC3       | AZ681021 | KIA78R05API 4P TO220 ST 5V             | 0IMCRKE018A   |
| IC300     | AZ681022 | VPC3230D C5 80P VIDEO PROCESSOR        | 0IIT323000E   |
| IC301     | AZ681023 | M74HC123RM13TR 16P                     | 0ISTLSSG009A  |
| IC302     | AZ681024 | XC95144XL-10TQ100C 3.3V                | 0IMCRXL003A   |
| IC304     | AZ681025 | P82B715T 8SOP                          | 0IPH827150A   |
| IC305     | AZ681026 | AT24C02N-10SI-2.7 8P                   | 0IMMRAL014B   |
| IC306     | AZ681027 | AD9883AKST-110 80P DIGITAL BOARD       | 0IMCRAD002A   |
| IC307     | AZ681028 | SIL 169CT100 100P                      | 0IMCRS5003A   |
| IC4       | AZ681029 | KA75420ZTA 3P TO-92 TP 4.2V            | 0IFA754207A   |

| LOCA. NO. | PART NO. | DESCRIPTION                       | REFERENCE NO. |
|-----------|----------|-----------------------------------|---------------|
| IC404     | AZ681008 | KIA278R05PI TO220IS, 4P           | 0IMCRKE006A   |
| IC405     | AZ681030 | KIA278R33PI TO220IS, 4P           | 0IMCRKE006B   |
| IC406     | AZ681030 | KIA278R33PI TO220IS, 4P           | 0IMCRKE006B   |
| IC407     | AZ681031 | KIA278R25PI 2.5V 2A TO220IS, 4P   | 0IPMGKE045A   |
| IC409     | AZ681032 | KIA278R12API 4P TO220IS           | 0IMCRKE003B   |
| IC5       | AZ681033 | AT24C16AN-10SI-2.7 8P             | 0IMCRAL006A   |
| IC500     | AZ681034 | LGDT1502M LG IC 304P              | 0ICTMLG003C   |
| IC501     | AZ681035 | HY57V643220C(L)T-6 86P            | 0IMMRHY033A   |
| IC502     | AZ681036 | SN74LVC00AD 14SOP                 | 0ITI740000Q   |
| IC502     | AZ681037 | X1272-0346 251P                   | 0IZZVF0020B   |
| IC503     | AZ681038 | LGDT1901A LG IC 24P               | 0ICTMLG013A   |
| IC504     | AZ681035 | HY57V643220C(L)T-6 86P            | 0IMMRHY033A   |
| IC600     | AZ681039 | MSP3440G QA B8 V3 80 SOUND IC     | 0IMCRMN014A   |
| IC601     | AZ681040 | KA4558D 8SOP OP AMP               | 0ISS455880A   |
| IC602     | AZ681029 | KA75420ZTA 3P TO-92 TP 4.2V       | 0IFA754207A   |
| IC700     | AZ681041 | 2503227-001(DDP1010) 529P         | 0IMCRT011A    |
| IC701     | AZ681030 | KIA278R33PI TO220IS, 4P ST 3.3V   | 0IMCRKE006B   |
| IC701     | AZ681042 | AT49BV8192A-90TI 48P              | 0IMMRAL015C   |
| IC702     | AZ681030 | KIA278R33PI TO220IS, 4P ST 3.3V   | 0IMCRKE006B   |
| IC702     | AZ681043 | K4S161622E-TC80 50TSOP            | 0ISS416162C   |
| IC702     | AZ681044 | KA2903 FAIRCHILD 8SOP             | 0IMCRFA003A   |
| IC703     | AZ681031 | KIA278R25PI 2.5V 2A TO220IS, 4P   | 0IPMGKE045A   |
| IC703     | AZ681045 | UPD64011AGM-8ED-A NEC LQFP 160P   | 0IMCRNE045A   |
| IC705     | AZ681033 | AT24C16AN-10SI-2.7 8P             | 0IMCRAL006A   |
| IC706     | AZ681046 | LA4282 12S 2CHX10W AUDIO AMP      | 0ISA428200A   |
| IC707     | AZ681032 | KIA278R12API 4P TO220IS ST 12V/1A | 0IMCRKE003B   |
| IC708     | AZ681030 | KIA278R33PI TO220IS, 4P ST 3.3V   | 0IMCRKE006B   |
| IC709     | AZ681031 | KIA278R25PI 2.5V 2A TO220IS, 4P   | 0IPMGKE045A   |
| IC800     | AZ681047 | K4R271669F-TCS8 54P               | 0IMMRSS053B   |
| IC801     | AZ681048 | CDCR83 24P                        | 0IMCRTI014A   |
| IC802     | AZ681049 | 74VIT125CTR 5P SOT323-5L          | 0IMCRSG007A   |
| IC803     | AZ681050 | 74LX1G14CTR 5P SOT323-5L          | 0IMCRSG008A   |
| IC804     | AZ681050 | 74LX1G14CTR 5P SOT323-5L          | 0IMCRSG008A   |
| IC805     | AZ681051 | MAX708SCSA 8P                     | 0IMCRMX001A   |
| IC806     | AZ681050 | 74LX1G14CTR 5P SOT323-5L          | 0IMCRSG008A   |
| IC807     | AZ681051 | MAX708SCSA 8P                     | 0IMCRMX001A   |

# ELECTRICAL REPLACEMENT PARTS LIST

|            | LOCA. NO. | PART NO. | DESCRIPTION                  | REFERENCE NO. |       | LOCA. NO. | PART NO. | DESCRIPTION                  | REFERENCE NO. |
|------------|-----------|----------|------------------------------|---------------|-------|-----------|----------|------------------------------|---------------|
| ⚠          | IC808     | AZ681050 | 74LX1G14CTR 5P SOT323-5L     | 0IMCRSG008A   |       | Q205      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC809     | AZ681052 | LD1086DT15TR 2P              | 0IPMGSG018C   |       | Q206      | AZ580006 | KRA102S SOT23 CHIP TR        | 0TR102008AA   |
|            | IC810     | AZ681053 | SC15651ST-1.8 3P SOT223      | 0IMCRSJ001A   |       | Q207      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC810     | AZ681054 | SMA-E1017 3P                 | 0IMCRSK004A   |       | Q208      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC830     | AZ681055 | PC817XF3 4D PHOTO COUPLER    | 0ISH817300B   |       | Q209      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC850     | AZ681056 | PQ30RV21 TO-220              | 0ISH302122A   |       | Q210      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC851     | AZ681057 | KA431Z FAIRCHILD 3DIP        | 0IMCRFA007A   |       | Q211      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC870     | AZ681057 | KA431Z FAIRCHILD 3DIP        | 0IMCRFA007A   |       | Q212      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC900     | AZ681058 | LGDP4410 LG IC 176P          | 0ICTMLG018A   |       | Q302      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC900     | AZ681059 | 2503253-0003(DAD1000-3) 80P  | 0IMCRTI012B   |       | Q305      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC901     | AZ681060 | SNSH6742CFA(P32J6742PAG) 64P | 0IMCRTI013A   |       | Q306      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC906     | AZ681049 | 74VIT125CTR 5P SOT323-5L     | 0IMCRSG007A   |       | Q307      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC907     | AZ681050 | 74LX1G14CTR 5P SOT323-5L     | 0IMCRSG008A   |       | Q308      | AZ580003 | BSS83                        | 0TR830009BA   |
|            | IC908     | AZ681050 | 74LX1G14CTR 5P SOT323-5L     | 0IMCRSG008A   |       | Q309      | AZ580003 | BSS83                        | 0TR830009BA   |
|            | IC909     | AZ681061 | 74LX1G07CTR 5P SOT323-5L     | 0IMCRSG008B   |       | Q310      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC910     | AZ681049 | 74VIT125CTR 5P SOT323-5L     | 0IMCRSG007A   |       | Q311      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
| TRANSISTOR |           |          |                              |               |       | Q501      | AZ580003 | BSS83                        | 0TR830009BA   |
|            | IC903     | AZ580001 | FDS6930A 8P SO-8 30V 5.5A    | 0TFFFC80015A  |       | Q502      | AZ580003 | BSS83                        | 0TR830009BA   |
|            | IC904     | AZ580001 | FDS6930A 8P SO-8 30V 5.5A    | 0TFFFC80015A  |       | Q600      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | IC905     | AZ580001 | FDS6930A 8P SO-8 30V 5.5A    | 0TFFFC80015A  |       | Q601      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q100      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q602      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q100      | AZ580003 | BSS83                        | 0TR830009BA   |       | Q603      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q1000     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q604      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q1001     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q701      | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |
|            | Q1002     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q703      | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |
|            | Q1003     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q704      | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |
|            | Q1004     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q801      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q1005     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q801      | AZ580007 | STW20NK80Z TO-247 500V 17A   | 0TFSG10004A   |
|            | Q101      | AZ580003 | BSS83                        | 0TR830009BA   |       | Q802      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |
|            | Q102      | AZ580004 | CHIP KRC102S SOY-23          | 0TR102009AG   |       | Q830      | AZ580008 | STW8NK80Z TO-247 800V 6.2A   | 0TFSG10003A   |
|            | Q103      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q832      | AZ580009 | KTC4370A-Y TO-220IS KEC      | 0TR437000BA   |
|            | Q104      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q840      | AZ580010 | KTC3227-Y, TP(KTC1627A), KEC | 0TR322709AA   |
|            | Q105      | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |       | Q852      | AZ580011 | KSC945C-Y TO92 50V 150MA     | 0TR945009AA   |
|            | Q107      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q871      | AZ580012 | KTA1024-Y(KTA949)TP KEC      | 0TR102409AB   |
|            | Q1201     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | Q872      | AZ580010 | KTC3227-Y, TP(KTC1627A), KEC | 0TR322709AA   |
|            | Q1202     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   | DIODE |           |          |                              |               |
|            | Q1203     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D1        | AZ480001 | LED,LTL-30EWJ                | 0DLLT0260AA   |
|            | Q1204     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D1        | AZ480002 | KDS184S CHIP 85V 300MA       | 0DD184009AA   |
|            | Q1205     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D100      | AZ480003 | SDC15 SOT23 12.8V            | 0DRSE00038A   |
|            | Q1206     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D100      | AZ480004 | B140A 40V 1A 30A.SEC 0.5MA   | 0DRDI00148    |
|            | Q1208     | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |       | D102      | AZ480005 | SD05.TC SOD323 5V 5A 15A     | 0DR050008AA   |
|            | Q1209     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D103      | AZ480005 | SD05.TC SOD323 5V 5A 15A     | 0DR050008AA   |
|            | Q1210     | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |       | D104      | AZ480005 | SD05.TC SOD323 5V 5A 15A     | 0DR050008AA   |
|            | Q1211     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D105      | AZ480003 | SDC15 SOT23 12.8V            | 0DRSE00038A   |
|            | Q1213     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D106      | AZ480005 | SD05.TC SOD323 5V 5A 15A     | 0DR050008AA   |
|            | Q1218     | AZ580005 | CHIP 2SA1504S(ASY)KEC        | 0TR150400BA   |       | D2        | AZ480001 | LED,LTL-30EWJ                | 0DLLT0260AA   |
|            | Q1219     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D201      | AZ480006 | 1N4148 TP GRANDE             | 0DD414809ED   |
|            | Q1222     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D3        | AZ480001 | LED,LTL-30EWJ                | 0DLLT0260AA   |
|            | Q1223     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D3        | AZ480007 | CHIP KDS226 SOT-23           | 0DD226239AA   |
|            | Q1224     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D300      | AZ480002 | KDS184S CHIP 85V 300MA       | 0DD184009AA   |
|            | Q1225     | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D4        | AZ480002 | KDS184S CHIP 85V 300MA       | 0DD184009AA   |
|            | Q200      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D5        | AZ480002 | KDS184S CHIP 85V 300MA       | 0DD184009AA   |
|            | Q201      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D6        | AZ480002 | KDS184S CHIP 85V 300MA       | 0DD184009AA   |
|            | Q202      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D700      | AZ480008 | 1SS133 T-72 TP DO34 90V      | 0DS113379BA   |
|            | Q203      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D704      | AZ480008 | 1SS133 T-72 TP DO34 90V      | 0DS113379BA   |
|            | Q204      | AZ580002 | CHIP 2SC3875S(ALY)KEC        | 0TR387500AA   |       | D706      | AZ480008 | 1SS133 T-72 TP DO34 90V      | 0DS113379BA   |

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|           | LOCA. NO. | PART NO. | DESCRIPTION                 | REFERENCE NO. |  | LOCA. NO. | PART NO. | DESCRIPTION       | REFERENCE NO. |
|-----------|-----------|----------|-----------------------------|---------------|--|-----------|----------|-------------------|---------------|
| ⚠         | D707      | AZ480008 | 1SS133 T-72 TP DO34 90V     | 0DS113379BA   |  | C113      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | D708      | AZ480008 | 1SS133 T-72 TP DO34 90V     | 0DS113379BA   |  | C115      | AZ180005 | 10UF STD 16V M    | 0CE106DF618   |
|           | D709      | AZ480008 | 1SS133 T-72 TP DO34 90V     | 0DS113379BA   |  | C116      | AZ180009 | 47UF KME 50V M    | 0CE476BK618   |
|           | D710      | AZ480002 | KDS184S CHIP 85V 300MA      | 0DD184009AA   |  | C117      | AZ180002 | 47UF STD 16V M    | 0CE476DF618   |
|           | D711      | AZ480002 | KDS184S CHIP 85V 300MA      | 0DD184009AA   |  | C118      | AZ180008 | 100UF STD 16V M   | 0CE107DF618   |
|           | D712      | AZ480002 | KDS184S CHIP 85V 300MA      | 0DD184009AA   |  | C120      | AZ180008 | 100UF STD 16V M   | 0CE107DF618   |
|           | D801      | AZ480009 | RBV606 600V 6A 150A NA 10UA | 0DD606000AA   |  | C1200     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D831      | AZ480010 | EU1AV(1)                    | 0DD100009AU   |  | C1201     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D832      | AZ480010 | EU1AV(1)                    | 0DD100009AU   |  | C1203     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D834      | AZ480011 | EG01C 1000V 0.5A 10A        | 0DR010009AA   |  | C1204     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D835      | AZ480006 | 1N4148 TP GRANDE            | 0DD414809ED   |  | C1206     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D840      | AZ480006 | 1N4148 TP GRANDE            | 0DD414809ED   |  | C1207     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D851      | AZ480012 | FML-G12S                    | 0DD120000BB   |  | C1208     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D861      | AZ480012 | FML-G12S                    | 0DD120000BB   |  | C1209     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D871      | AZ480013 | FML-G22S TO220 200V         | 0DD220000AC   |  | C121      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | D881      | AZ480012 | FML-G12S                    | 0DD120000BB   |  | C1213     | AZ180010 | 10UF MV 16V 20%   | 0CE106VF6DC   |
|           | D891      | AZ480014 | FML-G14S TO220 400V         | 0DRSA00170A   |  | C1214     | AZ180011 | 220UF MV 16V 20%  | 0CE227VF6DC   |
|           | D901      | AZ480015 | BAT54SWT1 60V 3A 4A.SEC.A   | 0DRON00088A   |  | C1217     | AZ180012 | 100UF MVG 16V M   | 0CE107SF6DC   |
|           | D902      | AZ480015 | BAT54SWT1 60V 3A 4A.SEC.A   | 0DRON00088A   |  | C123      | AZ180013 | 100UF STD 50V M   | 0CE107DK618   |
|           | D903      | AZ480015 | BAT54SWT1 60V 3A 4A.SEC.A   | 0DRON00088A   |  | C1244     | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | D904      | AZ480015 | BAT54SWT1 60V 3A 4A.SEC.A   | 0DRON00088A   |  | C1246     | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | D905      | AZ480015 | BAT54SWT1 60V 3A 4A.SEC.A   | 0DRON00088A   |  | C1249     | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | D906      | AZ480016 | BAV99RWT1 SC-75 70V 215MA   | 0DSON00028A   |  | C1257     | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | D907      | AZ480017 | MBRD320RL SC-75 30V 150MA   | 0DRON00098A   |  | C1259     | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | D908      | AZ480018 | ZENERS, SMZJ3793B           | 0DZGS00108A   |  | C126      | AZ180009 | 47UF KME 50V M    | 0CE476BK618   |
|           | D909      | AZ480019 | SS26 DC-214AC 60V 2A        | 0ZRGSO0328A   |  | C129      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | Q801      | AZ480020 | FMG-36S 2.2V 100NSEC 1.0MA  | 0DR360000AA   |  | C130      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | XD204     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C132      | AZ180003 | 4.7UF STD 50V 20% | 0CE475DK618   |
|           | ZD01      | AZ480005 | SD05.TC SOD323 5V 5A 15A    | 0DR050008AA   |  | C134      | AZ180002 | 47UF STD 16V M    | 0CE476DF618   |
|           | ZD1       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C136      | AZ180009 | 47UF KME 50V M    | 0CE476BK618   |
|           | ZD10      | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C139      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | ZD2       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C145      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | ZD201     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C147      | AZ180008 | 100UF STD 16V M   | 0CE107DF618   |
|           | ZD202     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C149      | AZ180015 | 100UF STD 25V M   | 0CE107DH618   |
|           | ZD203     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C15       | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | ZD204     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C150      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | ZD3       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C151      | AZ180003 | 4.7UF STD 50V 20% | 0CE475DK618   |
|           | ZD4       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C162      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | ZD5       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C2        | AZ180016 | 10000PF D 16V 20% | 0CN1030F679   |
|           | ZD6       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C20       | AZ180015 | 100UF STD 25V M   | 0CE107DH618   |
|           | ZD600     | AZ480022 | ZENERS, MTZJ5.6B            | 0DZ560009CF   |  | C200      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | ZD601     | AZ480022 | ZNERS, MTZJ5.6B             | 0DZ560009CF   |  | C200      | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | ZD839     | AZ480023 | ZENERS, MTZJ30B             | 0ZD300009BB   |  | C201      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | ZD9       | AZ480021 | ZENERS, MTZJ6.2B            | 0DZ620009BB   |  | C202      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
| CAPACITOR |           |          |                             |               |  | C203      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C1        | AZ180002 | 47UF STD 16V M              | 0CE476DF618   |  | C203      | AZ180014 | 47UF MVG 16V M    | 0CE476SF6DC   |
|           | C1        | AZ180001 | 22UF STD 16V M              | 0CE226DF618   |  | C204      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C100      | AZ180003 | 4.7UF STD 50V 20%           | 0CE475DK618   |  | C205      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | C100      | AZ180004 | 10UF MVG 16V 20%            | 0CE106SF6DC   |  | C205      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C101      | AZ180005 | 10UF STD 16V M              | 0CE106DF618   |  | C206      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | C101      | AZ180006 | 22UF MVG 16V 20%            | 0CE226SF6DC   |  | C207      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | C103      | AZ180007 | 1UF 2012 16V 20%            | 0CK105DF64A   |  | C207      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C109      | AZ180006 | 22UF MVG 16V 20%            | 0CE226SF6DC   |  | C208      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C110      | AZ180005 | 10UF STD 16V M              | 0CE106DF618   |  | C209      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           | C111      | AZ180002 | 47UF STD 16V M              | 0CE476DF618   |  | C209      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           | C112      | AZ180008 | 100UF STD 16V M             | 0CE107DF618   |  | C210      | AZ180004 | 10UF MVG 16V 20%  | 0CE106SF6DC   |
|           |           |          |                             |               |  | C210      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |
|           |           |          |                             |               |  | C211      | AZ180007 | 1UF 2012 16V 20%  | 0CK105DF64A   |

# ELECTRICAL REPLACEMENT PARTS LIST

|  | LOCA. NO. | PART NO. | DESCRIPTION           | REFERENCE NO. |  | LOCA. NO. | PART NO. | DESCRIPTION        | REFERENCE NO. |
|--|-----------|----------|-----------------------|---------------|--|-----------|----------|--------------------|---------------|
|  | C211      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C611      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C212      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C612      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C212      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C614      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C213      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C615      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C213      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C616      | AZ180008 | 100UF STD 16V M    | 0CE107DF618   |
|  | C214      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C616      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C214      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C617      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C215      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C618      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C215      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C619      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C216      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C620      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C217      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C621      | AZ180007 | 1UF 2012 16V 20%   | 0CK105DF64A   |
|  | C219      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C621      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C223      | AZ180003 | 4.7UF STD 50V 20%     | 0CE475DK618   |  | C622      | AZ180007 | 1UF 2012 16V 20%   | 0CK105DF64A   |
|  | C224      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C622      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C225      | AZ180003 | 4.7UF STD 50V 20%     | 0CE475DK618   |  | C623      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C226      | AZ180018 | 220UF STD 16V M       | 0CE227DF618   |  | C624      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C227      | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C625      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C229      | AZ180001 | 22UF STD 16V M        | 0CE226DF618   |  | C626      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C23       | AZ180008 | 100UF STD 16V M       | 0CE107DF618   |  | C627      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C231      | AZ180008 | 100UF STD 16V M       | 0CE107DF618   |  | C628      | AZ180005 | 10UF STD 16V M     | 0CE106DF618   |
|  | C237      | AZ180017 | 220000PF 2012 16V 10% | 0CK224DF56A   |  | C628      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C238      | AZ180014 | 47UF MVG 16V M        | 0CE476SF6DC   |  | C629      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C24       | AZ180002 | 47UF STD 16V M        | 0CE476DF618   |  | C630      | AZ180005 | 10UF STD 16V M     | 0CE106DF618   |
|  | C249      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C630      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C260      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C631      | AZ180005 | 10UF STD 16V M     | 0CE106DF618   |
|  | C261      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C631      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C262      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C632      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C27       | AZ180002 | 47UF STD 16V M        | 0CE476DF618   |  | C633      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C335      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C634      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C338      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C635      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C339      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C636      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C344      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C637      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C345      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C638      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C358      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C639      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C359      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C640      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C363      | AZ180019 | 82000PF 2012 50V 10%  | 0CK823DK56A   |  | C641      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C381      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C642      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C394      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C643      | AZ180002 | 47UF STD 16V M     | 0CE476DF618   |
|  | C395      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C643      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C405      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C644      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C5        | AZ180007 | 1UF 2012 16V 20%      | 0CK105DF64A   |  | C645      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C508      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C646      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C510      | AZ180006 | 22UF MVG 16V 20%      | 0CE226SF6DC   |  | C647      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C550      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C648      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C565      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C648      | AZ180021 | 3.3UF STD 50V 20%  | 0CE335DK618   |
|  | C570      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C649      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C571      | AZ180004 | 10UF MVG 16V 20%      | 0CE106SF6DC   |  | C650      | AZ180022 | 27PF 1608 50V 5%   | 0CC270CK41A   |
|  | C572      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C651      | AZ180022 | 27PF 1608 50V 5%   | 0CC270CK41A   |
|  | C574      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C652      | AZ180022 | 27PF 1608 50V 5%   | 0CC270CK41A   |
|  | C575      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C653      | AZ180022 | 27PF 1608 50V 5%   | 0CC270CK41A   |
|  | C576      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C654      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C580      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C655      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |
|  | C582      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C664      | AZ180021 | 3.3UF STD 50V 20%  | 0CE335DK618   |
|  | C583      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C668      | AZ180007 | 1UF 2012 16V 20%   | 0CK105DF64A   |
|  | C584      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C669      | AZ180007 | 1UF 2012 16V 20%   | 0CK105DF64A   |
|  | C606      | AZ180008 | 100UF STD 16V M       | 0CE107DF618   |  | C670      | AZ180003 | 4.7UF STD 50V 20%  | 0CE475DK618   |
|  | C609      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C671      | AZ180003 | 4.7UF STD 50V 20%  | 0CE475DK618   |
|  | C610      | AZ180020 | 0.1UF 1608 16V 10%    | 0CK104CF56A   |  | C673      | AZ180021 | 3.3UF STD 50V 20%  | 0CE335DK618   |

# ELECTRICAL REPLACEMENT PARTS LIST

|  | LOCA. NO. | PART NO. | DESCRIPTION        | REFERENCE NO. |  | LOCA. NO. | PART NO. | DESCRIPTION         | REFERENCE NO. |
|--|-----------|----------|--------------------|---------------|--|-----------|----------|---------------------|---------------|
|  | C7        | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C734      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C700      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C735      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C701      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C735      | AZ180030 | 0.0068UF D 100V 10% | 0CQ6821N509   |
|  | C702      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C736      | AZ180005 | 10UF STD 16V M      | 0CE106DF618   |
|  | C703      | AZ180024 | 100UF STD 10V M    | 0CE107DD618   |  | C736      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C704      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C737      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C705      | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C737      | AZ180030 | 0.0068UF D 100V 10% | 0CQ6821N509   |
|  | C706      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C738      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C707      | AZ180018 | 220UF STD 10V M    | 0CE227DD618   |  | C739      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C707      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C739      | AZ180031 | 1000UF STD 35V M    | 0CE108DJ618   |
|  | C709      | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C740      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C710      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C741      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C711      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C741      | AZ180031 | 1000UF STD 35V M    | 0CE108DJ618   |
|  | C711      | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C742      | AZ180005 | 10UF STD 16V M      | 0CE106DF618   |
|  | C712      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C742      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C713      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C743      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C713      | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C743      | AZ180032 | 1000UF STD 16V M    | 0CE108DF618   |
|  | C714      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C744      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C714      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C745      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C715      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C745      | AZ180025 | 220UF STD 25V M     | 0CE227DH618   |
|  | C715      | AZ180023 | 220UF STD 10V M    | 0CE227DD618   |  | C746      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C717      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C747      | AZ180015 | 100UF STD 25V M     | 0CE107DH618   |
|  | C718      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C747      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C718      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C748      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C719      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C749      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C719      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C749      | AZ180023 | 220UF STD 10V M     | 0CE227DD618   |
|  | C720      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C750      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C720      | AZ180025 | 220UF STD 25V M    | 0CE227DH618   |  | C751      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C721      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C751      | AZ180024 | 100UF STD 10V M     | 0CE107DD618   |
|  | C722      | AZ180008 | 100UF STD 16V M    | 0CE107DF618   |  | C752      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C722      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C753      | AZ180018 | 220UF STD 10V M     | 0CE227DD618   |
|  | C723      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C753      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C724      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C754      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C724      | AZ180026 | 0.1UF D 100V 10%   | 0CQ1041N509   |  | C755      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C725      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C755      | AZ180024 | 100UF STD 10V M     | 0CE107DD618   |
|  | C725      | AZ180027 | 1000UF STD 50V M   | 0CE108DK61A   |  | C756      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C726      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C757      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C726      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C758      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C727      | AZ180005 | 10UF STD 16V M     | 0CE106DF618   |  | C758      | AZ180024 | 100UF STD 10V M     | 0CE107DD618   |
|  | C727      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C759      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C727      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C760      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C728      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C761      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C728      | AZ180026 | 0.1UF D 100V 10%   | 0CQ1041N509   |  | C762      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C729      | AZ180015 | 100UF STD 25V M    | 0CE107DH618   |  | C763      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C729      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C764      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C730      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C765      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C730      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C766      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C730      | AZ180028 | 10UF STD 50V M     | 0CE106DK618   |  | C767      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C731      | AZ180015 | 100UF STD 25V M    | 0CE107DH618   |  | C768      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C731      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C769      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C732      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C770      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C732      | AZ180028 | 10UF STD 50V M     | 0CE106DK618   |  | C771      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C732      | AZ180029 | 1UF MV 50V 20%     | 0CE105VK6DC   |  | C772      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C733      | AZ180004 | 10UF MVG 16V 20%   | 0CE106SF6DC   |  | C773      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C733      | AZ180015 | 100UF STD 25V M    | 0CE107DH618   |  | C774      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C733      | AZ180020 | 0.1UF 1608 16V 10% | 0CK104CF56A   |  | C775      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C734      | AZ180005 | 10UF STD 16V M     | 0CE106DF618   |  | C776      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |
|  | C734      | AZ180014 | 47UF MVG 16V M     | 0CE476SF6DC   |  | C777      | AZ180020 | 0.1UF 1608 16V 10%  | 0CK104CF56A   |

# ELECTRICAL REPLACEMENT PARTS LIST

|   | LOCA. NO. | PART NO. | DESCRIPTION                          | REFERENCE NO. |   | LOCA. NO. | PART NO. | DESCRIPTION                   | REFERENCE NO. |
|---|-----------|----------|--------------------------------------|---------------|---|-----------|----------|-------------------------------|---------------|
| ⚠ | C778      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   | ⚠ | C833      | AZ180048 | 10P 50V D NP0 TS              | 0CC1000K115   |
|   | C779      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C834      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C780      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C834      | AZ180049 | 0.1UF 50V Z F TR              | 0CK1040K945   |
|   | C781      | AZ180022 | 27PF 1608 50V 5%                     | 0CC270CK41A   |   | C835      | AZ180006 | 22UF MVG 16V 20%              | 0CE226SF6DC   |
|   | C782      | AZ180022 | 27PF 1608 50V 5%                     | 0CC270CK41A   |   | C835      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C783      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C836      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C800      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C836      | AZ180050 | 0.001UF D 1.6KV J             | 181-011B      |
|   | ⚠ C801    | AZ180033 | AC275V 0.22UF K (S=22.5)             | 0CQZVBK002C   |   | C837      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C801      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C837      | AZ180051 | SL 100PF 1KV 10%,-10%         | 181-091N      |
|   | C801      | AZ180034 | DEHR33D821KN3A 820PF 2KV 10%,-10%    | 181-091J      |   | C838      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C802      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C839      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | ⚠ C803    | AZ180033 | AC275V 0.22UF K (S=22.5)             | 0CQZVBK002C   |   | C840      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C803      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C840      | AZ180049 | 0.1UF 50V Z F TR              | 0CK1040K945   |
|   | ⚠ C805    | AZ180035 | 1UF 0 500V 5%                        | 0CF1050W470   |   | C841      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C805      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C841      | AZ180049 | 0.1UF 50V Z F TR              | 0CK1040K945   |
|   | C806      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C842      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C807      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C842      | AZ180049 | 0.1UF 50V Z F TR              | 0CK1040K945   |
|   | C807      | AZ180036 | 1000P 2KV K B S                      | 0CK10202510   |   | C843      | AZ180009 | 47UF KME 50V M                | 0CE476BK618   |
|   | C808      | AZ180036 | 1000P 2KV K B S                      | 0CK10202510   |   | C843      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C808      | AZ180037 | 68PF 1608 50V 5%                     | 0CC680CK41A   |   | C844      | AZ180009 | 47UF KME 50V M                | 0CE476BK618   |
|   | C809      | AZ180037 | 68PF 1608 50V 5%                     | 0CC680CK41A   |   | C844      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
| ⚠ | C810      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   | ⚠ | C845      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C810      | AZ180038 | 0.01UF 50V Z F TR                    | 0CK1030K945   |   | C846      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C811      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C847      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C811      | AZ180039 | 0.047UF D 50V 80%,-20%               | 0CK4730K945   |   | C851      | AZ180052 | 1000UF STD 25V M              | 0CE108DH618   |
|   | C812      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C852      | AZ180025 | 220UF STD 25V M               | 0CE227DH618   |
|   | C812      | AZ180040 | MPE ECQ-V1H474JL3 (TR), 50V 0.47UF J | 181-007H      |   | C853      | AZ180053 | R 470PF 1KV 10%,-10%          | 181-091Q      |
|   | C813      | AZ180037 | 68PF 1608 50V 5%                     | 0CC680CK41A   |   | C857      | AZ180054 | 1UF STD 50V M                 | 0CE105DK618   |
|   | C813      | AZ180041 | 100P 50V KB TS                       | 0CK1010K515   |   | C861      | AZ180032 | 1000UF STD 16V M              | 0CE108DF618   |
|   | C814      | AZ180037 | 68PF 1608 50V 5%                     | 0CC680CK41A   |   | C862      | AZ180055 | 470UF STD 16V 20%             | 0CE477DF618   |
|   | C814      | AZ180042 | 470PF 50V K B TS                     | 0CK4710K515   |   | C863      | AZ180053 | R 470PF 1KV 10%,-10%          | 181-091Q      |
|   | C815      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C866      | AZ180051 | SL 100PF 1KV 10%,-10%         | 181-091N      |
|   | C815      | AZ180041 | 100P 50V KB TS                       | 0CK1010K515   |   | C867      | AZ180051 | SL 100PF 1KV 10%,-10%         | 181-091N      |
|   | C816      | AZ180043 | 10PF 1608 50V 0.5 PF                 | 0CC100CK11A   |   | C868      | AZ180051 | SL 100PF 1KV 10%,-10%         | 181-091N      |
|   | C816      | AZ180044 | 1000P 50V K B TS                     | 0CK1020K515   |   | C869      | AZ180051 | SL 100PF 1KV 10%,-10%         | 181-091N      |
|   | C817      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C870      | AZ180049 | 0.1UF 50V Z F TR              | 0CK1040K945   |
|   | C818      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C871      | AZ180056 | 3300UF KMG,RD 16V 20%         | 0CE338EF618   |
|   | C819      | AZ180037 | 68PF 1608 50V 5%                     | 0CC680CK41A   |   | C872      | AZ180055 | 470UF STD 16V 20%             | 0CE477DF618   |
|   | C820      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C873      | AZ180053 | R 470PF 1KV 10%,-10%          | 181-091Q      |
|   | C820      | AZ180045 | CE 450V 220UF M LUG (105)            | 181-001K      |   | C874      | AZ180003 | 4.7UF STD 50V 20%             | 0CE475DK618   |
| ⚠ | C821      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   | ⚠ | C881      | AZ180057 | 2200U SMS 16V M               | 0CE2286F618   |
|   | C822      | AZ180014 | 47UF MVG 16V M                       | 0CE476SF6DC   |   | C882      | AZ180055 | 470UF STD 16V 20%             | 0CE477DF618   |
|   | C822      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C883      | AZ180053 | R 470PF 1KV 10%,-10%          | 181-091Q      |
|   | C823      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C891      | AZ180058 | 1000UF KME 50V M              | 0CE108BK61A   |
|   | C824      | AZ180004 | 10UF MVG 16V 20%                     | 0CE106SF6DC   |   | C892      | AZ180059 | 220M SMS 50V M                | 0CE2276K618   |
|   | C824      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C893      | AZ180053 | R 470PF 1KV 10%,-10%          | 181-091Q      |
|   | C825      | AZ180014 | 47UF MVG 16V M                       | 0CE476SF6DC   |   | C898      | AZ180060 | 3300PF 4KV M E                | 181-120L      |
|   | C825      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C899      | AZ180061 | DE1B3KX471KA5B 470PF 250V 10% | 181-035U      |
|   | C826      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C901      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C827      | AZ180014 | 47UF MVG 16V M                       | 0CE476SF6DC   |   | C902      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C828      | AZ180046 | 470PF 1608 50V 5%                    | 0CC471CK41A   |   | C904      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C829      | AZ180014 | 47UF MVG 16V M                       | 0CE476SF6DC   |   | C905      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C831      | AZ180009 | 47UF KME 50V M                       | 0CE476BK618   |   | C906      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C832      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C908      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C832      | AZ180047 | 100UF STD 35V M                      | 0CE107DJ618   |   | C909      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   | C833      | AZ180020 | 0.1UF 1608 16V 10%                   | 0CK104CF56A   |   | C910      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   |           |          |                                      |               |   | C911      | AZ180020 | 0.1UF 1608 16V 10%            | 0CK104CF56A   |
|   |           |          |                                      |               |   | C912      | AZ180062 | 22UF 7343 35V 20% (SMD)       | 0CS226GJ6DC   |

# ELECTRICAL REPLACEMENT PARTS LIST

|                               | LOCA. NO. | PART NO. | DESCRIPTION                               | REFERENCE NO. |
|-------------------------------|-----------|----------|-------------------------------------------|---------------|
|                               | C913      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C915      | AZ180014 | 47UF MVG 16V M                            | 0CE476SF6DC   |
|                               | C919      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C920      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C921      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C922      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C923      | AZ180014 | 47UF MVG 16V M                            | 0CE476SF6DC   |
|                               | C924      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C926      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C927      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C929      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C930      | AZ180046 | 470PF 1608 50V 5%                         | 0CC471CK41A   |
|                               | C931      | AZ180063 | 270PF 1608 50V 5%                         | 0CK271CK46A   |
|                               | C932      | AZ180064 | 2700PF 1608 50V 5%                        | 0CK272CK46A   |
|                               | C933      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C934      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C936      | AZ180065 | 100PF 1608 50V 5%                         | 0CC101CK41A   |
|                               | C937      | AZ180066 | 120PF 1608 50V 5%                         | 0CK121CK46A   |
|                               | C938      | AZ180067 | 0.01UF 1608 50V 10%                       | 0CK103CK56A   |
|                               | C939      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C940      | AZ180067 | 0.01UF 1608 50V 10%                       | 0CK103CK56A   |
|                               | C941      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C942      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C943      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C944      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C945      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C946      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C947      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C949      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
|                               | C950      | AZ180020 | 0.1UF 1608 16V 10%                        | 0CK104CF56A   |
| <b>JACK</b>                   |           |          |                                           |               |
|                               | JA1201    | AZ780001 | JACK ASSEMBLY, PMJ021G 9P                 | 6613V00013G   |
|                               | JA1202A   | AZ780002 | JACK,RCA PJ6061E 6P                       | 6612VJH006C   |
|                               | JA200     | AZ780003 | JACK ASSY, PMJ021B 9P                     | 6613V00013B   |
|                               | JA201     | AZ780003 | JACK ASSY, PMJ016B 3P                     | 6613V00010B   |
|                               | JA201     | AZ780004 | JACK, DIN PHSJ-9504                       | 380-404A      |
|                               | P501      | AZ780005 | JACK, DIN 74320-3004 30PIN                | 6612BBBHN7A   |
| <b>COIL &amp; TRANSFORMER</b> |           |          |                                           |               |
|                               | L100      | AZ380020 | COIL, CHOKE SB7032-751 750UH              | 6140VB0023A   |
|                               | L861      | AZ380021 | COIL, CHOKE 82UH                          | 150-C02F      |
|                               | L871      | AZ380021 | COIL, CHOKE 82UH                          | 150-C02F      |
|                               | L881      | AZ380021 | COIL, CHOKE 82UH                          | 150-C02F      |
|                               | L891      | AZ380021 | COIL, CHOKE 82UH                          | 150-C02F      |
|                               | L903      | AZ380022 | COIL, DT1608C-223 22UF+-20% 0.5A          | 6140VR0007A   |
|                               | L904      | AZ380022 | COIL, DT1608C-223 22UF+-20% 0.5A          | 6140VR0007A   |
| ⚠                             | T801      | AZ380023 | TRANSFORMER, SMPS (COIL)<br>EER4220 360UH | 6170VMCA06N   |
|                               | T830      | AZ380024 | TRANSFORMER, SMPS (COIL)<br>EER4215 660UH | 6170VMCA13T   |
| <b>CONNECTOR</b>              |           |          |                                           |               |
|                               | JA1200    | AZ780006 | CONNECTOR, D-SUB 15P 2.29MM               | 6630TGA004F   |
|                               | P100      | AZ780007 | CONNECTOR, DIN41612 SOCKET                | 6630B60F532   |
|                               | P101      | AZ780007 | CONNECTOR, DIN41612 SOCKET                | 6630B60F532   |
|                               | P101B     | AZ780007 | CONNECTOR, DIN41612 SOCKET                | 6630B60F532   |

|                 | LOCA. NO. | PART NO. | DESCRIPTION                          | REFERENCE NO. |
|-----------------|-----------|----------|--------------------------------------|---------------|
|                 | P102      | AZ780008 | CONNECTOR, D-SUB 24P 1.91MM          | 6630GZ00724   |
|                 | P102B     | AZ780007 | CONNECTOR, DIN41612 SOCKET           | 6630B60F532   |
|                 | P104      | AZ780009 | CONNECTOR, D-SUB 9PIN 2.77MM         | 6630VGA004A   |
|                 | P1200B    | AZ780007 | CONNECTOR, DIN41612 SOCKET           | 6630B60F532   |
|                 | P300      | AZ780008 | CONNECTOR, D-SUB 24P 1.91MM          | 6630GZ00724   |
| <b>RESISTOR</b> |           |          |                                      |               |
|                 | AR1001    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1002    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1003    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1004    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1005    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1006    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1007    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR1008    | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR503     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR504     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR506     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR516     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR518     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR519     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR522     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR523     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR526     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR529     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR530     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR531     | AZ280001 | 22 OHM 1/16W 1608 5%                 | 0RRZVTA001D   |
|                 | AR744     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR746     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR748     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR750     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR846     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR847     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | AR848     | AZ280002 | MNR-14-E0A-J-101 R OHM<br>100 OHM 5% | 0RRZVTA001A   |
|                 | J2        | AZ280003 | 0.02 OHM 1 W 20%                     | 0RP0020J809   |
|                 | R1        | AZ280004 | 75 OHM 1/6 W 5.00%                   | 0RD0752F609   |
|                 | R1286     | AZ280005 | 10K OHM 1/6 W 1.00%                  | 0RN1002F409   |
|                 | R2        | AZ280006 | 470K OHM 1/6 W 5.00%                 | 0RD4703F609   |
|                 | R3        | AZ280006 | 470K OHM 1/6 W 5.00%                 | 0RD4703F609   |
|                 | R4        | AZ280007 | 75 OHM 1/6 W 5.00%                   | 0RD0752F609   |
|                 | R5        | AZ280007 | 75 OHM 1/6 W 5.00%                   | 0RD0752F609   |
|                 | R722      | AZ280008 | 3.3 OHM 1/2 W 5.00%                  | 0RF0331H609   |
|                 | R724      | AZ280008 | 3.3 OHM 1/2 W 5.00%                  | 0RF0331H609   |
|                 | R779      | AZ280009 | 5.6 OHM 1/2 W 5.00%                  | 0RD0561H609   |
|                 | R800      | AZ280010 | 4.7M OHM 1/2 W 5%                    | 0RKZVTA001B   |
|                 | R810      | AZ280011 | 2.2M OHM 1/6 W 5.00%                 | 0RD2204F609   |
|                 | R811      | AZ280011 | 2.2M OHM 1/6 W 5.00%                 | 0RD2204F609   |
|                 | R812      | AZ280012 | 33K OHM 1/6 W 5%                     | 0RD3302F609   |
|                 | R813      | AZ280013 | 10K OHM 1/6 W 5%                     | 0RD1002F609   |
|                 | R814      | AZ280014 | 560K OHM 1/4 W 1.00%                 | 0RN5603G409   |
|                 | R815      | AZ280015 | 510K OHM 1/4 W 1%                    | 0RN5103G409   |
|                 | R816      | AZ280015 | 510K OHM 1/4 W 1%                    | 0RN5103G409   |

# ELECTRICAL REPLACEMENT PARTS LIST

|        | LOCA. NO. | PART NO. | DESCRIPTION                    | REFERENCE NO. |
|--------|-----------|----------|--------------------------------|---------------|
|        | R817      | AZ280015 | 510K OHM 1/4 W 1%              | 0RN5103G409   |
|        | R818      | AZ280016 | 22K OHM 1/6 W 5%               | 0RD2202F609   |
|        | R819      | AZ280017 | 56K OHM 1/6 W 5%               | 0RD5602F609   |
|        | R820      | AZ280018 | 10 OHM 1/6 W 5%                | 0RD0102F609   |
|        | R821      | AZ280019 | 100K OHM 1/6 W 5%              | 0RD1003F609   |
|        | R823      | AZ280020 | 0.13 OHM 2 W 5% RWR            | 180-A01P      |
|        | R824      | AZ280016 | 22K OHM 1/6 W 5%               | 0RD2202F609   |
|        | R831      | AZ280021 | 27 OHM 1/2 W(7.0) 5.00%        | 0RD0272A609   |
|        | R832      | AZ280022 | 68K OHM 1/6 W 5.00%            | 0RD6802F609   |
|        | R833      | AZ280023 | 6.8K OHM 1/6 W 5.00%           | 0RD6801F609   |
|        | R834      | AZ280024 | 100 OHM 1/6 W 5.00%            | 0RD1000F609   |
|        | R835      | AZ280025 | 15 OHM 1/6 W 5.00%             | 0RD0152F609   |
|        | R836      | AZ280026 | 1K OHM 1/6 W 5%                | 0RD1001F609   |
|        | R837      | AZ280027 | 2 W RW ROUND G 0.27 J TA31(63) | 180-A01H      |
|        | R838      | AZ280028 | 430 OHM 1/6 W 5.00%            | 0RD4300F609   |
|        | R839      | AZ280029 | 3K OHM 1/6 W 5.00%             | 0RD3001F609   |
|        | R840      | AZ280024 | 100 OHM 1/6 W 5%               | 0RD1000F609   |
|        | R841      | AZ280030 | 100K OHM 2 W 5.00%             | 0RS1003K607   |
|        | R842      | AZ280031 | 470 OHM 1/2 W 5.00%            | 0RD4700H609   |
|        | R843      | AZ280031 | 470 OHM 1/2 W 5.00%            | 0RD4700H609   |
|        | R844      | AZ280032 | 47K OHM 1/6 W 5%               | 0RD4702F609   |
|        | R845      | AZ280033 | 30 OHM 1/6 W 5.00%             | 0RD0302F609   |
|        | R850      | AZ280034 | 330K OHM 1/4 W 1.00%           | 0RN3303G409   |
|        | R851      | AZ280035 | 2K OHM 1/6 W 5%                | 0RD2001F609   |
|        | R852      | AZ280036 | 18K OHM 1/6 W 1.00%            | 0RN1802F409   |
|        | R854      | AZ280037 | 4.7K OHM 1/6 W 1.00%           | 0RN4701F409   |
|        | R855      | AZ280038 | 1.5K OHM 1/6 W 5%              | 0RD1501F609   |
|        | R856      | AZ280039 | 510 OHM 1/6 W 5.00%            | 0RD5100F609   |
|        | R857      | AZ280039 | 510 OHM 1/6 W 5.00%            | 0RD5100F609   |
|        | R865      | AZ280040 | 3.6K OHM 1/6 W 5.00%           | 0RD3601F609   |
|        | R866      | AZ280041 | 3.9K OHM 1/6 W 5%              | 0RD3901F609   |
|        | R867      | AZ280039 | 510 OHM 1/6 W 5.00%            | 0RD5100F609   |
|        | R868      | AZ280042 | 1.2K OHM 1/6 W 1.00%           | 0RN1201F409   |
|        | R872      | AZ280034 | 330K OHM 1/4 W 1.00%           | 0RN3303G409   |
|        | R873      | AZ280043 | 270K OHM 1/4 W 5.00%           | 0RD2703G609   |
|        | R874      | AZ280044 | 5.1K OHM 1/6 W 5.00%           | 0RN5101F609   |
|        | R875      | AZ280045 | 10K OHM 1/6 W 5%               | 0RD1002F609   |
|        | R876      | AZ280026 | 1K OHM 1/6 W 5%                | 0RD1001F609   |
|        | R877      | AZ280046 | 3.9 OHM 1/6 W 5.00%            | 0RD0391F609   |
|        | R891      | AZ280047 | 10K OHM 1/2 W 5.00%            | 0RD1002H609   |
|        | R892      | AZ280048 | 470 OHM 2 W 5.00%              | 0RS4700K607   |
|        | R893      | AZ280048 | 470 OHM 2 W 5.00%              | 0RS4700K607   |
|        | R894      | AZ280026 | 1K OHM 1/6 W 5%                | 0RD1001F609   |
|        | R895      | AZ280049 | 8.2K OHM 1/6 W 1.00%           | 0RN8201F409   |
|        | R896      | AZ280050 | 2.2K OHM 1/6 W 1.00%           | 0RN2201F409   |
|        | R897      | AZ280026 | 1K OHM 1/6 W 5%                | 0RD1001F609   |
| ⚠      | R898      | AZ280010 | 4.7M OHM 1/2 W 5%              | 0RKZVTA001B   |
| SWITCH |           |          |                                |               |
|        | SW01      | AZ682001 | SWITCH, PUSH SPBS222EP011      | 140-275E      |
|        | SW1       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW2       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW3       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW4       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW5       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW6       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW7       | AZ682002 | SWITCH, TACT 2LEAD 160G(TA)    | 140-313B      |
|        | SW701     | AZ682003 | SWITCH, DIP 1-1437590-3 50VDC  | 6600DU2093V   |

|                  | LOCA. NO. | PART NO. | DESCRIPTION                          | REFERENCE NO. |
|------------------|-----------|----------|--------------------------------------|---------------|
| FILTER & CRYSTAL |           |          |                                      |               |
|                  | FB851     | AZ380001 | FILTER, EMC BFD3565R2F               | 125-123A      |
|                  | FB861     | AZ380001 | FILTER, EMC BFD3565R2F               | 125-123A      |
|                  | FB871     | AZ380001 | FILTER, EMC BFD3565R2F               | 125-123A      |
|                  | FB882     | AZ380001 | FILTER, EMC BFD3565R2F               | 125-123A      |
|                  | FB891     | AZ380001 | FILTER, EMC BFD3565R2F               | 125-123A      |
|                  | FL100     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL101     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL104     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL106     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL107     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL108     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL109     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL112     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL113     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL117     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL123     | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF | 6200VJT006A   |
|                  | FL124     | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF | 6200VJT006A   |
|                  | FL125     | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF | 6200VJT006A   |
|                  | FL127     | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF | 6200VJT006A   |
|                  | FL134     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL139     | AZ380002 | FILTER, EMC NFL21SP207X1C3           | 6200J000012   |
|                  | FL300     | AZ380004 | FILTER, B.P. H354LAI-K5202           | 6200C000010   |
|                  | FL301     | AZ380004 | FILTER, B.P. H354LAI-K5202           | 6200C000010   |
|                  | FL303     | AZ380004 | FILTER, B.P. H354LAI-K5202           | 6200C000010   |
|                  | FL304     | AZ380004 | FILTER, B.P. H354LAI-K5202           | 6200C000010   |
|                  | L515      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |
|                  | L601      | AZ380006 | FILTER, EMC MLB-321611-0050P-N1 6A   | 0LCML00002B   |
|                  | L700      | AZ380007 | FILTER, EMC MLB-160808-0068P-N2 1A   | 0LCML00004A   |
|                  | L702      | AZ380007 | FILTER, EMC MLB-160808-0068P-N2 1A   | 0LCML00004A   |
|                  | L704      | AZ380006 | FILTER, EMC MLB-321611-0050P-N1 6A   | 0LCML00002B   |
|                  | L705      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |
|                  | L800      | AZ380007 | FILTER, EMC MLB-160808-0068P-N2 1A   | 0LCML00004A   |
| ⚠                | L801      | AZ380008 | FILTER, EMC SQE2828 17.2MH 60TURNS   | 6200JBB8012T  |
| ⚠                | L802      | AZ380008 | FILTER, EMC SQE2828 17.2MH 60TURNS   | 6200JBB8012T  |
| ⚠                | L803      | AZ380009 | FILTER, EMC SQE3535 27.5MH 0.6PHY    | 150-F06U      |
|                  | L901      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |
|                  | L902      | AZ380007 | FILTER, EMC MLB-160808-0068P-N2 1A   | 0LCML00004A   |
|                  | L906      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |
|                  | L907      | AZ380010 | FILTER, EMC MLB-201209-0600L-N2 0.5A | 0LCML00003A   |
|                  | L908      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |
|                  | L909      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A   | 0LCML00003B   |



# ELECTRICAL REPLACEMENT PARTS LIST

|                      | LOCA. NO. | PART NO. | DESCRIPTION                           | REFERENCE NO. |
|----------------------|-----------|----------|---------------------------------------|---------------|
|                      | L910      | AZ380005 | FILTER, EMC MLB-201209-0120P-N2 5A    | 0LCML00003B   |
|                      | T300      | AZ380011 | FILTER, B.PAFM730F6M00X3 (AF9497A)    | 0IZZVF0022C   |
|                      | T400      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T401      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T402      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T403      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T404      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T501      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T502      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T504      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T509      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T511      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T512      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T513      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T514      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T515      | AZ380003 | FILTER, EMC STC222D 50VOLT 4A 2200PF  | 6200VJT006A   |
|                      | T601      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T602      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T603      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | T604      | AZ380012 | FILTER, EMC BMS400 25V 200MA          | 6200QJ3001A   |
|                      | X1        | AZ380013 | RESONATOR, CRYSTAL HC49U 8.000MHZ     | 156-A01P      |
|                      | X100      | AZ380014 | RESONATOR, CRYSTAL HC49/SM 16MHZ      | 6212AB2015D   |
|                      | X102      | AZ380015 | RESONATOR, CRYSTAL SX-1SMD 20250000HZ | 6202VDT002E   |
|                      | X1202     | AZ380016 | RESONATOR, CRYSTAL HC49U 4.000MHZ     | 156-A01E      |
|                      | X1203     | AZ380017 | RESONATOR, CRYSTAL CSALA2M69G4ZF01-B0 | 6212BA2002C   |
|                      | X600      | AZ380018 | RESONATOR, CRYSTAL HC49U18.432MHZ     | 156-A02R      |
|                      | X700      | AZ380019 | RESONATOR, CRYSTAL SX-1 24.576MHZ     | 6212AB2806A   |
| <b>MISCELLANEOUS</b> |           |          |                                       |               |
| ⚠                    | F701      | AZ684005 | FUSE, SLOW BLOW 0FS 4000MA 250V       | 0FS4001B84B   |
| ⚠                    | F800      | AZ684006 | FUSE, SLOW BLOW 5000MA 250V           | 0FS5001B51D   |
|                      | IC505     | AZ684007 | OSCILLATOR, 27MHZ +/-100 PPM 3.3V     | 6204B60001B   |
|                      | IC704     | AZ684008 | OSCILLATOR, SCO-103 100MHZ            | 6204B47985C   |
|                      | PA1       | AZ684009 | REMOTE CONTROLLER RECEIVER, 38KHZ     | 6726VH0001A   |
| ⚠                    | TH801     | AZ684010 | TERMISTOR, NTC KL15L2R5 +/-15% 125V   | 163-048D      |
| ⚠                    | TH802     | AZ684010 | TERMISTOR, NTC KL15L2R5 +/-15% 125V   | 163-048D      |
|                      | TU100     | AZ684011 | TUNER, TAUD-H101F                     | 6700NFNS06Q   |
|                      | TU101     | AZ684012 | TUNER, TAFD-H101P                     | 6700NFNS06P   |
| ⚠                    | VA800     | AZ684013 | VARISTOR, SVC621D-14A 620V 0%         | 164-003K      |

|                    | LOCA. NO. | PART NO. | DESCRIPTION                | REFERENCE NO. |
|--------------------|-----------|----------|----------------------------|---------------|
| <b>ACCESSORIES</b> |           |          |                            |               |
|                    | A1        | AZ684004 | MANUAL, OWNERS TOSHIBA     | 3828VA0465G   |
|                    | A2        | AZ684003 | REMOTE CONTROLLER, TOSHIBA | 6710V00102R   |

# **TOSHIBA CORPORATION**

1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN