**SCHEMATIC DIAGRAM** (Parts list on pages 57～60.)

(This schematic diagram may be modified at any time with the development of new technology.)

**Note 1:**
- **S601**: Voltage selector in “240V” position. (For [GC] area only.)
  
  (110V → 127V → 220V → 240V)
- **S701**: Dolby noise-reduction switch (DOLBY NR; [ ], [ ].)
- **S702**: DECK 2 Stop switch (■).
- **S703**: DECK 2 Forward-side playback switch (►).
- **S704**: DECK 2 Reverse-side playback switch (◄).
- **S705**: DECK 2 Fast-forward search switch (►► TPS).
- **S706**: DECK 2 Rewind search switch (◄◄ TPS).
- **S707**: DECK 2 Open/close switch (△ OPEN/CLOSE).
- **S708**: DECK 2 Record switch (● REC).
- **S709**: DECK 2 Pause switch (II PAUSE).
- **S710**: DECK 2 Automatic-record-muting switch (Auto REC MUTE).
- **S712**: DECK 2 Counter reset switch (COUNTER 2 RESET).
- **S714**: Power “STANDBY △ / ON” switch (POWER, STANDBY △ / ON).
- **S715**: DECK 1 Stop switch (■).
- **S716**: DECK 1 Forward-side playback switch (►).
- **S717**: DECK 1 Reverse-side playback switch (◄).
- **S718**: DECK 1 Fast-forward search switch (►► TPS).
- **S719**: DECK 1 Rewind search switch (◄◄ TPS).
- **S720**: DECK 1 Open/close switch (△ OPEN/CLOSE).
- **S721**: Auto tape calibration switch (ATC).
- **S722**: Reverse-mode select switch (REVERSE MODE).
- **S723**: Synchro-start switch (SYNCHRO START).
- **S724**: Tape-to-tape recording-speed switch (SPEED; X1, X2).
- **S725**: DECK 1 Counter reset switch (COUNTER 1 RESET).
- **S801**: DECK 1 Cassette holder open detection switch in “off” position.
- **S802**: DECK 1 Cassette holder close detection switch in “off” position.
- **S803**: DECK 2 Cassette holder open detection switch in “off” position.
- **S804**: DECK 2 Cassette holder close detection switch in “off” position.
- **S971**: DECK 1 Mode switch in “off” position.
- **S971A**: DECK 2 Mode switch in “off” position.
- **S972**: DECK 1 Half switch in “off” position.
- **S972A**: DECK 2 Half switch in “off” position.
- **S973**: DECK 1 ATS (CrO₂) switch in “off” position.
- **S973A**: DECK 2 ATS (CrO₂) switch in “off” position.
- **S974A**: DECK 2 Reverse rec. inhibit switch in “off” position.
- **S975A**: DECK 2 Forward rec. inhibit switch in “off” position.
- **S976A**: DECK 2 ATS (Metal) switch in “off” position.
- **Resistance**: are in ohms (Ω), 1/4 watt unless specified otherwise.
  
  1 K=1,000 (Ω), 1 M=1,000 K (Ω)
- **Capacity**: are in micro-farads (μF) unless specified otherwise.
  
  All voltage values shown in circuitry are under no signal condition and playback mode with
  volume control at minimum position otherwise specified.

( )...... Voltage values at record mode.

For measurement we EVM.

**Important safety notice**

Components identified by △ mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer’s specified parts.

- ( ) indicates + B (bias).
- ( ) indicates – B (bias).
- ( ) indicates the flow of the playback signal.
- ( ) indicates the flow of the record signal.
- The supply part number is described alone in the replacement parts list,

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Production Part No.</th>
<th>Supply Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC152</td>
<td>XLU2040F-T2</td>
<td>XLU2040F-T1</td>
</tr>
<tr>
<td>IC302</td>
<td>BA4560FT1</td>
<td>SVIBA4560FT1</td>
</tr>
</tbody>
</table>

* marks indicate printed resistor.

**Caution!**

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.