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:
- S701: Dolby noise-reduction switch (DOLBY NR; [ ], [ ]). 
- S702: DECK 2 Stop switch ([ ]). 
- S703: DECK 2 Forward-side playback switch ('].'</p>. 
- S705: DECK 2 Fast-forward search switch ().'</p> TPS). 
- S706: DECK 2 Rewind search switch ().'</p> TPS). 
- S707: DECK 2 Open/close switch (').'</p> OPEN/CLOSE). 
- S708: DECK 2 Record switch (').'</p> REC). 
- S709: DECK 2 Pause switch (').'</p> PAUSE). 
- S710: DECK 2 Automatic-record-muting switch (').'</p> AUTO REC MUTE). 
- S712: DECK 2 Counter reset switch (').'</p> COUNTER 2 RESET). 
- S714: Power “STANDBY / ON” switch (POWER, STANDBY / ON). 
- S715: DECK 1 Stop switch (').'</p>). 
- S716: DECK 1 Forward-side playback switch (').'</p>). 
- S717: DECK 1 Reverse-side playback switch (').'</p>). 
- S718: DECK 1 Fast-forward search switch (').'</p> TPS). 
- S719: DECK 1 Rewind search switch (').'</p> TPS). 
- S720: DECK 1 Open/close switch (').'</p> 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). 
- 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. 
- S974: 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=1,000 (Ω), 1M=1,000k (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 use 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>IC4</td>
<td>M5218AL</td>
<td>M5218L</td>
</tr>
<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.