

## Circuit Protection

Fusible Device	Circuit Protected	Physical Location
FL100 (FUSFASTACT 250 mA, 125.0 V)	Power Supply	
FL221 (FUSFASTACT 1.25 A, 125.0 V)	Scan Supply	Power/Scan PCB, Left Front Chassis
FL231 (FUSFASTACT 400 mA, 125.0 V)	Scan Supply	Power/Scan PCB, Left Front Chassis
FL251 (FUSFASTACT 1.25 A, 125.0 V)	Scan Supply	Power/Scan PCB, Left Front Chassis
FP400 (FUSFASTACT 6.0 A, 125.0 V)	AC Input	MID PCB, Right Rear Chassis
FP520 (FUSFASTACT 1.25 A, 125.0 V)	Signal Supply	Small Signal PCB, Right Front Chassis
FP602 (FUSFASTACT 1.0 A, 125.0V)	DVD Power Supply	MID PCB, Right Rear Chassis
FL521 (FUSFASTACT 1.25 A, 125.0 V)	Signal Supply	Small Signal PCB, Next to Tuner
FV90 (FUSFACTACT 400 mA 125.0V)	Convergence Generator	Convergence Adaptor PCB, Right Top






## COMPONENT NUMBERING SYSTEM

Serviceability of this chassis is enhanced by prominent road mapping on the top and bottom of the circuit boards. The component numbering system relates to general circuit areas as follows:

xA000 Series - Audio Processor/Outputs	xL000 Series - EW Correction, Horizontal Drive/Output
xA000 Series - Red Convergence Amp	xP000 Series - Power Supply/Regulation
xB000 Series - CRT Drive/Blue Convergence Amp	xQ000 Series - Headphones
xC000 Series - Video Processor	xR000 Series - System Control
xF000 Series - Vertical Output	xS000 Series - Convergence Generator
xG000 Series - SVM/Green Convergence Amp	xT000 Series - A/V Switching/Frame Comb
xH000 Series - Tuner	xU000 Series - Video A/D Converter, Up Converter
xi000 Series - IF	xW000 Series - Convergence Power Supply Switching
xJ000 Series - Front A/V Inputs	xV000 Series - Convergence Adaptor/Video Processor
xK000 Series - Convergence Generator	xx000 Series - Video Switching
xL000 Series - Dynamic Focus	

## SCHEMATIC NOTES

- Resistor values are in ohms (K = X1,000; Meg = X1,000,000). Tolerance is 5%, unless otherwise specified.  
 [ ] indicates a flat (type 1206) surface-mounted device; 1/8 watt unless otherwise specified.  
 /\ indicates a flat (type 0805) surface-mounted device; 1/10 watt unless otherwise specified.  
 (no markings) indicates 1/4 watt, 5% tolerance axial-leaded device, unless otherwise specified.
- Capacitor values 1.0 and above are in picofarads; values less than 1.0 are in  $\mu\text{F}$ , unless otherwise specified.  
 •• indicates a cylindrical surface mounted device; 50 volt unless otherwise specified.  
 [ ] indicates a flat (type 1206) surface-mounted device; 50 volt unless otherwise specified.  
 /\ indicates a flat (type 0805) surface-mounted device; 50 volt unless otherwise specified.  
 (no markings) indicates a radial- or axial-leaded device; 50 volt unless otherwise specified.
- DC voltages measured with NTSC color bar signal applied (via RF channel 3), except for audio voltages, which are measured with MTS stereo 1KHz signal applied. Voltages in parentheses ( ) indicate standby mode.
- Waveforms measured with NTSC color bar signal applied (via RF channel 3), except for audio waveforms, which are measured with MTS stereo 1KHz signal applied.
- Special symbols:
 

<> indicates schematic zone locator	 indicates service test point
■ indicates wire-wrap stake	⊙ indicates connection via point-to-point wire
 indicates jumper wire (top side)	 indicates zero ohm chip (bottom side)
 indicates "hot" ground	 indicates "cold" ground