

# SCHEMATIC DIAGRAM

(Parts list on pages 34, 35, 42~44.)

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

**Notes:**

- S701 : Stop switch (stop) in "off" position.
- S702 : F.F. switch (ff) in "off" position.
- S703 : Rew switch (rew) in "off" position.
- S704 : Playback switch (Play) in "off" position.
- S705 : Record switch (rec) in "off" position.
- S706 : Pause switch (pause) in "off" position.
- S707 : Dolby noise-reduction switch (Dolby NRC) in "off" position.
- S708 : Dolby noise-reduction switch (Dolby NR B) in "off" position.
- S709 : Multiplex filter switch (MPX filter) in "off" position.
- S710 : Timer switch (timer) in "off" position.
- S711 : Counter reset switch (counter reset) in "off" position.
- S712 : Counter mode switch (counter mode) in "off" position.
- S713 : Meter range switch (meter range) in "off" position.
- S714 : Memory mode switch (memory repeat) in "off" position.
- S715 : Memory mode switch (memory stop) in "off" position.
- S716 : APRS switch (APRS) in "off" position.
- S717 : Automatic-record-muting switch (auto rec mute) in "off" position.
- S718 : Power switch (standby  $\phi$  /on) in "on" position.
- S971 : Mode switch in "off" position.
- S972 : Cassette half detection switch in "off" position.
- S973 : ATS (CrO<sub>2</sub>) switch in "off" position.
- S975 : Rec Inhibit switch in "off" position.
- S976 : ATS (Metal) switch in "off" position.

• Resistance are in ohms ( $\Omega$ ), 1/4 watt unless specified otherwise.

1K=1,000 ( $\Omega$ ), 1M=1,000k ( $\Omega$ )

• Capacity are in micro-farads ( $\mu$ F) 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 us EVM.

**Important safety notice**

Components identified by  $\Delta$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

• (  $\text{---} < +B > \text{---}$  ) indicates +B (bias).

• (  $\text{---} < -B > \text{---}$  ) indicates -B (bias).

• (  $\text{---} < \text{playback signal} > \text{---}$  ) indicates the flow of the playback signal.

• (  $\text{---} < \text{record signal} > \text{---}$  ) indicates the flow of the record signal.

**\* 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.

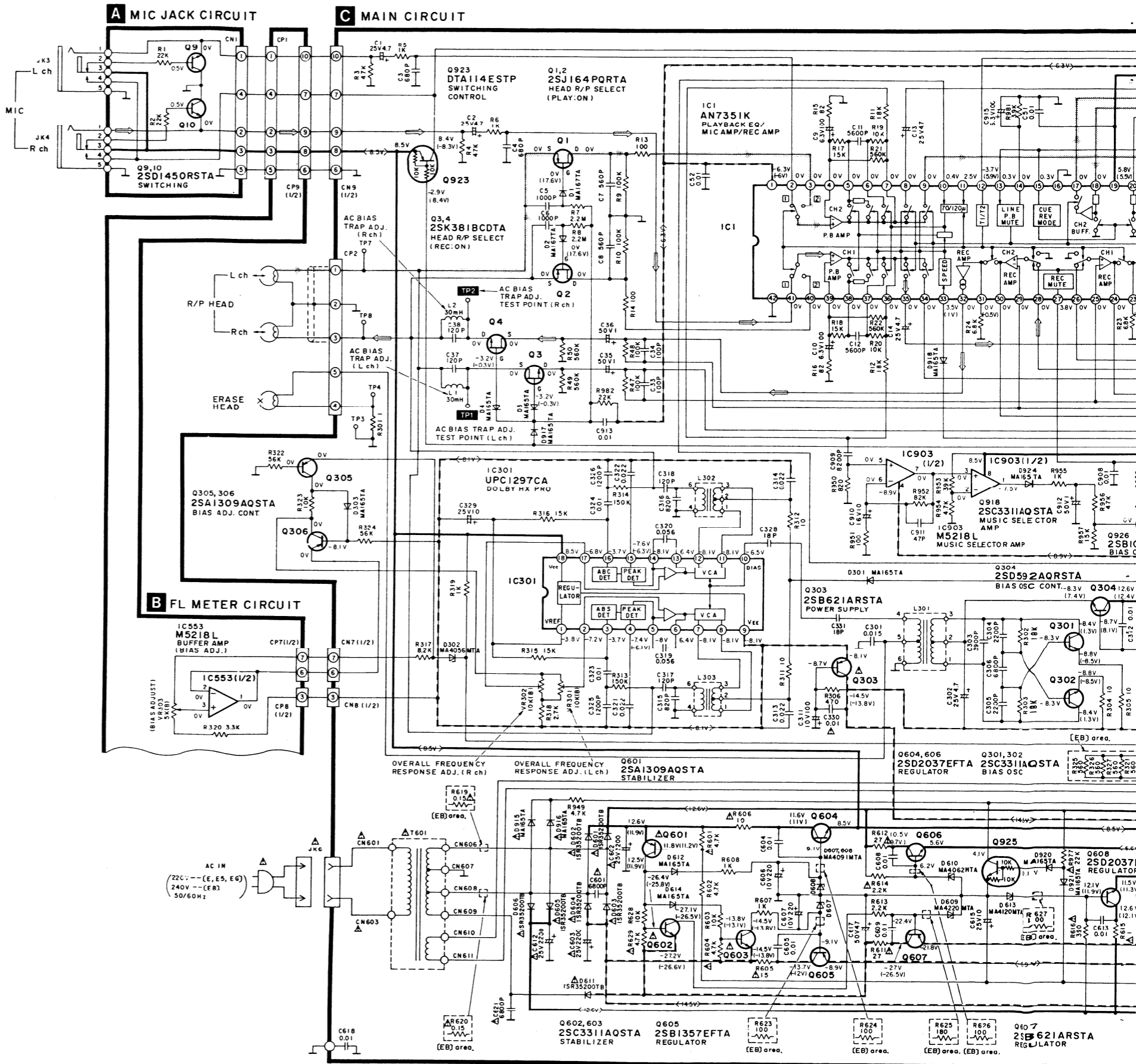
\* Ground the soldering iron.

\* Put a conductive mat on the work table.

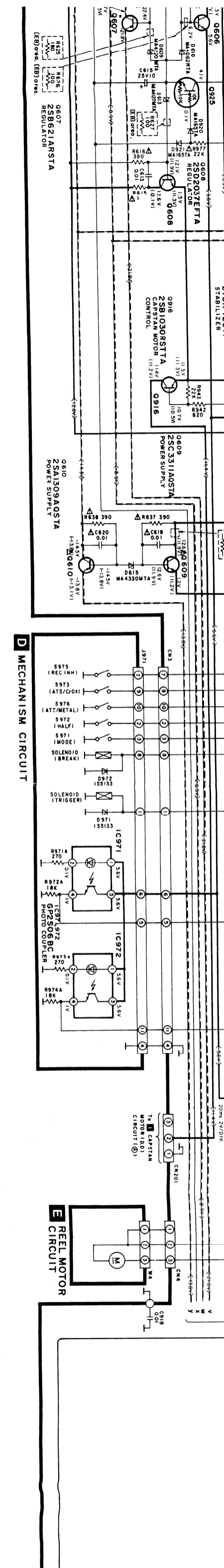
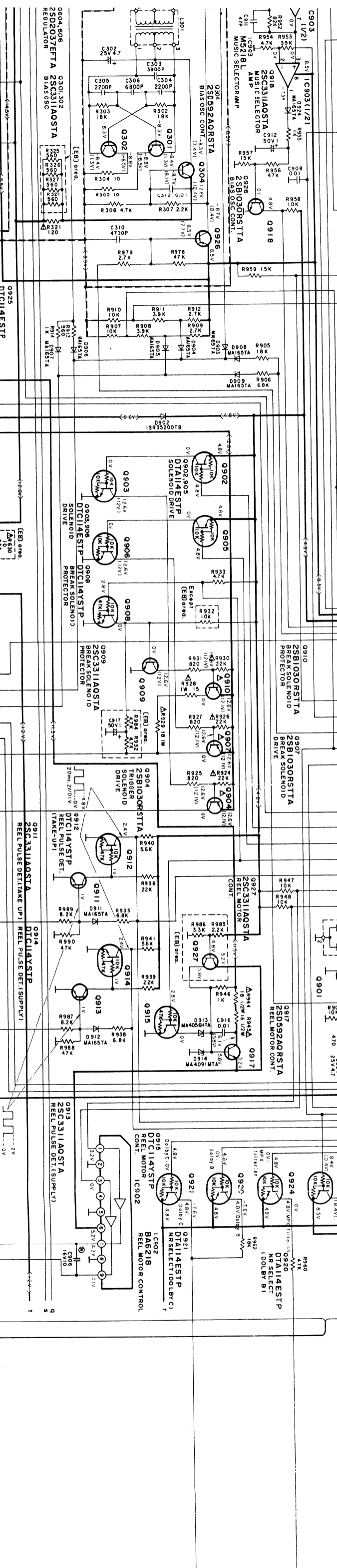
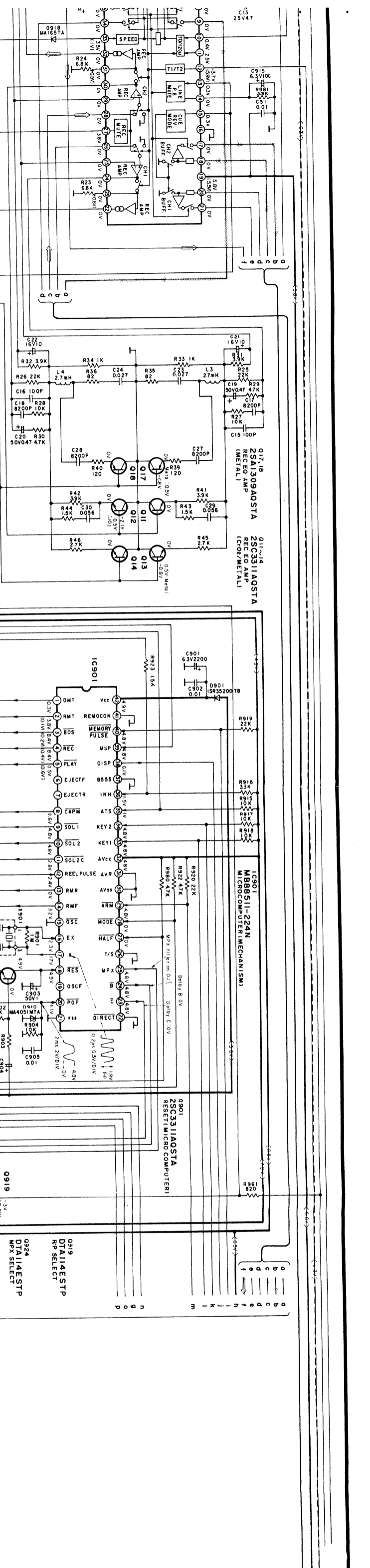
\* Do not touch the legs of IC or LSI with the fingers directly.

A  
B  
C  
D  
E  
F  
G

1 2 3 4 5 6 7 8



7 8 9 10 11 12 13 14 15 16 17



D MECHANISM CIRCUIT

E REEL MOTOR CIRCUIT