

STR-D350Z/D450Z/DE405/DE505


SERVICE MANUAL

US Model
Canadian Model



Photo : STR-DE505

SPECIFICATIONS

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Audio power specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

US Model :

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, rated 100 watts (STR-DE505/D450Z), 80 watts (STR-DE405) or 60 watts (STR-D350Z) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 150 milliwatts to rated output.

Canadian Model :

20 - 20,000 Hz 0.09%
100W+100W (STR-D450Z, DE505)
20 - 20,000 Hz 0.09%
70W+70W (STR-D350Z, DE405)

Amplifier section

Surround mode (8 ohms at 1 kHz, THD 0.8 %)
Front:
STR-DE505/D450Z:
100 W/ch
STR-DE405:
US model : 80W/ch
Canadian model : 70W/ch
STR-D350Z:
US model : 60W/ch
Canadian model : 70W/ch
Center:
STR-DE505/D450Z:
100 W
STR-DE405:
US model : 80W
Canadian model : 70W
STR-D350Z:
US model : 60W
Canadian model : 70W
(only in the PRO LOGIC mode)
Rear:
STR-DE505/D450Z:
100 W
STR-DE405:
US model : 80W
Canadian model : 70W
STR-D350Z:
US model : 60W
Canadian model : 70W
PHONO: RIAA equalization curve ± 0.5 dB
CD, TAPE/MD, VIDEO: 10 Hz - 50 kHz ± 1 dB

Frequency response

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD	200 mV		
TAPE/MD, TV/DBS, VIDEO	150 mV	50 kilohms	82dB 82dB* (A, 150mV)

* '78 IHF

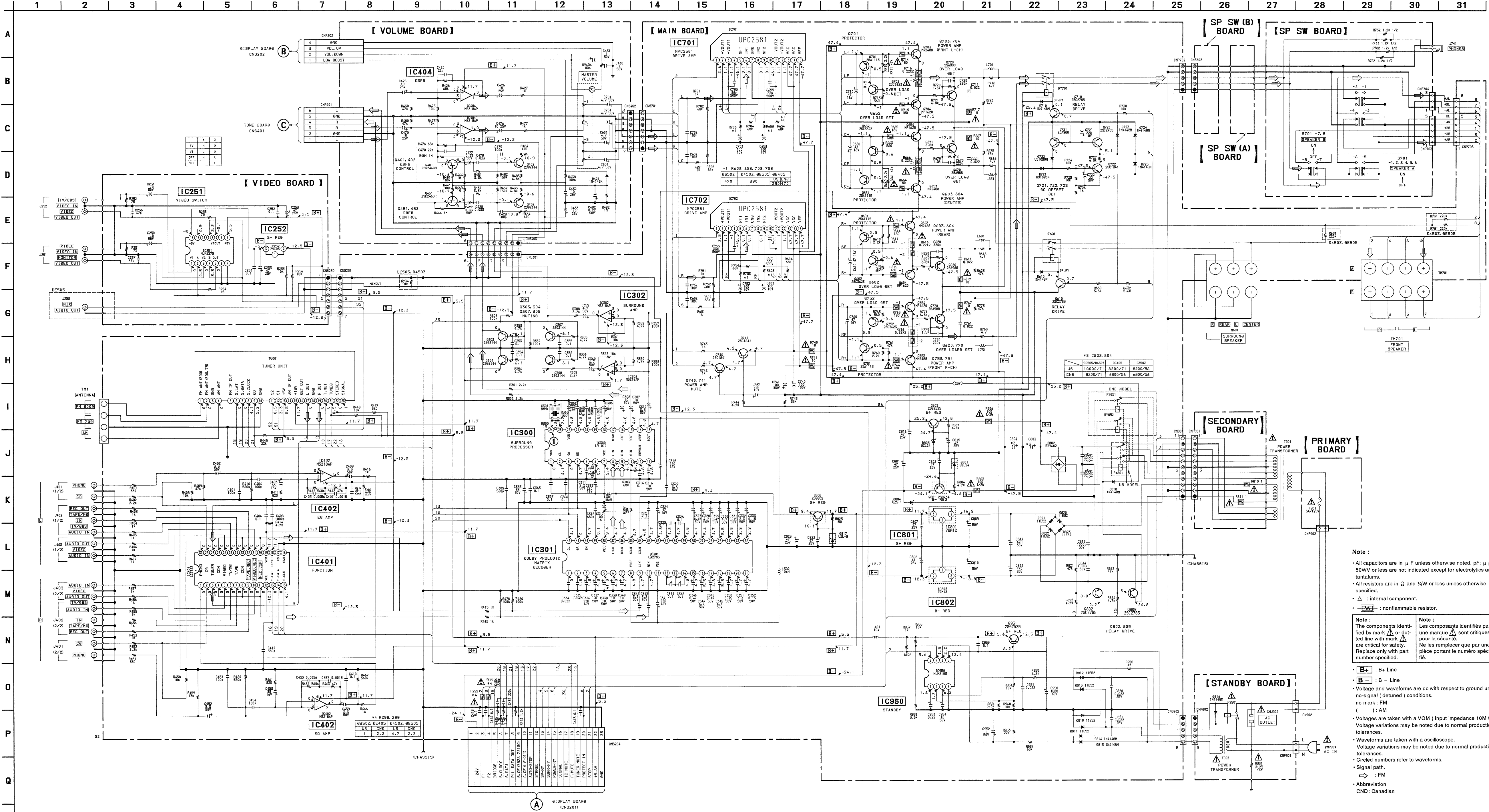
Outputs

TAPE/MD REC OUT:
Voltage 150 mV,
Impedance 10 kilohms
VIDEO AUDIO OUT:
Voltage 150 mV,
Impedance 10 kilohms
MIX AUDIO OUT
(STR-DE505 only)
Voltage: 2 V
Impedance: 10 kilohms
PHONES: Accepts low and high impedance headphones

— Continued on page 2 —

FM STEREO/FM-AM RECEIVER
SONY[®]

3-3. SCHEMATIC DIAGRAM (MAIN SECTION) Refer to page 17 for IC Block Diagrams.



Note :

- All capacitors are in μF unless otherwise noted, pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- Δ : internal component.
- \square : nonflammable resistor.

Note :

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note :

Les composants identifiés par une marque Δ ou trait en pointillés avec une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+** : B+ Line
- B-** : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Waveforms are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path
- FM
- Abbreviation
- CND : Canadian

