

Sylvania Stereo Receivers



two uncommonly
fine receivers with
a lot in common

- Direct Coupled Power Amplifier . . . assures wide power bandwidth and uniform, high damping factor down to the lowest audible bass frequencies
- Large power supply electrolytics for full range power capabilities
- Exceptional FM Sensitivity . . . 1.9 microvolts (IHF)

plus

- Scratch and rumble filters . . . reduce high and low frequency noise
- Loudness Contour Circuit . . . switch it on to maintain full tonal balance even at low listening levels
- Tape Monitor Function . . . compare recording with original program source
- Deluxe Baxandal Tone Controls . . . precise tailoring of bass and treble response
- FM Muting Circuit . . . automatically eliminates interstation noise
- Front panel headphone jack
- AM/FM signal strength tuning meter
- Rugged, plug-in silicon transistors for reliability and service ease
- Built-in Sylvania Phase Q4 matrix four channel circuitry

when your budget
and great sound
are both important

- Excellent FM sensitivity . . . 2.5 microvolts (IHF)
- Attractive vertical drum dial and weighted flywheel tuning

plus

- Loudness Contour Circuit
- Tape Monitor Function
- Magnetic/Ceramic Cartridge phono input selector switch
- Cut/boost bass and treble control
- Front panel headphone jack
- FM/AM tuning meter
- Built-in Sylvania Phase Q4 matrix four channel circuitry

Stereo Receiver

CR2743A

extra power for the
dedicated audiophile

- 44 Watts per channel continuous (RMS) power from 20 Hz to 20,000 Hz at less than .5% total harmonic distortion, both channels driven
- Cabinet of Walnut veneers. Handsome die cast metal control panel

Height 5 $\frac{3}{8}$ "

Width 16 $\frac{7}{8}$ "

Depth 15 $\frac{1}{2}$ "

Stereo Receiver

CR2742A

full power for the
large listening room

- 22 Watts per channel continuous (RMS) power from 20 Hz to 20,000 Hz at less than .5% total harmonic distortion, both channels driven
- Cabinet of Walnut grained vinyl on wood composition. Handsome die cast metal control panel

Height 5 $\frac{3}{8}$ "

Width 16 $\frac{7}{8}$ "

Depth 13"

Stereo Receiver

CR2741W

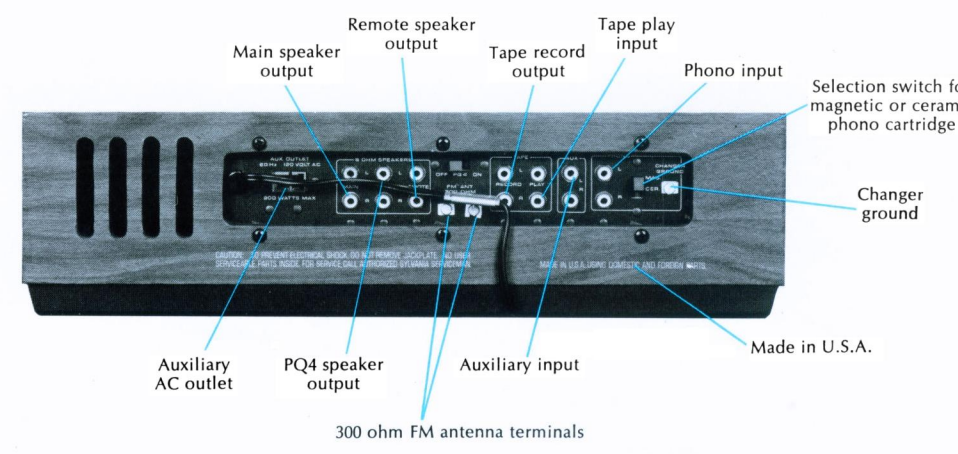
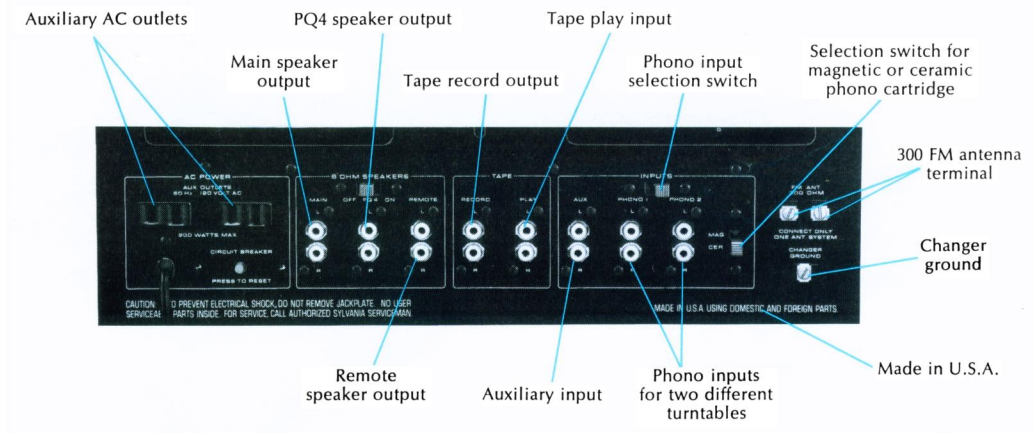
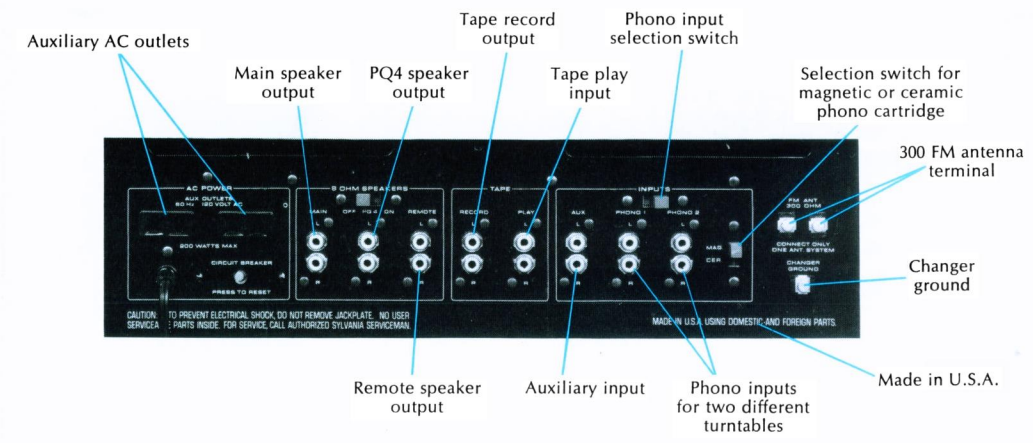
high performance for
the value conscious

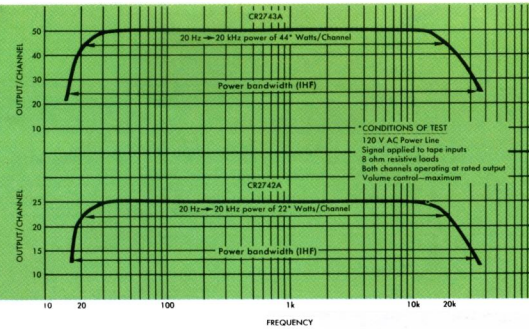
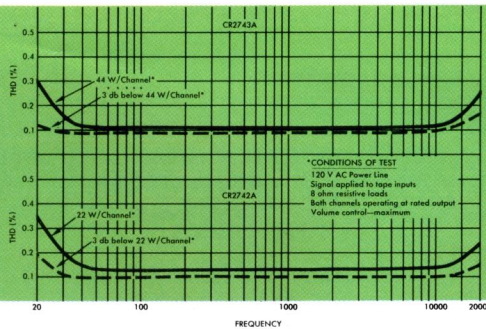
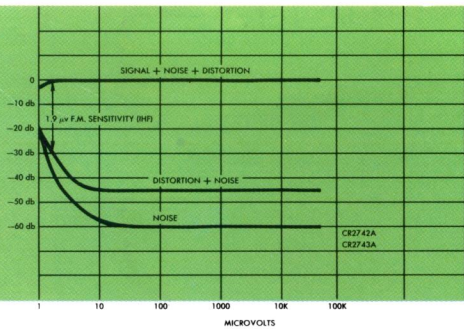
- 25 Watts total continuous (RMS) power at 1k Hz into 8 ohms, both channels driven
- Cabinet of Walnut grained vinyl on wood composition. Handsome die cast metal control panel

Height 5"

Width 17 $\frac{1}{8}$ "

Depth 12"





Model number headings in chart below should read as follows . . .

specifications

CR2742A CR2743A

AMPLIFIER

	CR2743A		CR2742A	
	4 ohms	8 ohms	4 ohms	8 ohms
*Power Output				
Continuous (RMS) power 1kHz @ less than 0.5% THD	30/30W	25/25W	60/60W	50/50W
Continuous (RMS) power 20Hz-20kHz @ less than 0.5% THD	23/23W	22/22W	48/48W	44/44W
Total IHF music power 1kHz @ less than 0.5% THD	150W	80W	300W	160W
Power bandwidth (IHF)	17Hz → 35kHz		17Hz → 35kHz	
Damping factor	15			

*All power measurements are taken @ 120 volts/60 cycles; continuous power both channels operating at rated distortion and impedance.

Distortion

Total harmonic distortion (THD) at rated power output	less than 0.5%	less than 0.5%
THD at 1/2 rated power (1kHz)	less than 0.1%	less than 0.1%
IM distortion (60/7000, 4:1) at rated continuous power, 8 ohms, 1kHz	less than 0.5%	less than 0.5%
IM distortion (60/7000, 4:1) at 1/2 rated continuous power, 8 ohms, 1kHz	less than 0.2%	less than 0.2%

Frequency Response

Frequency response at tape input ± 1.5 db	17Hz → 35kHz	17Hz → 35kHz
Phono equalization RIAA standard	±2 db	±2 db

Filters

Low Filter	-13 db @ 20Hz 12 db per octave	-13 db @ 20Hz 12 db per octave
High Filter	-8 db @ 10kHz 6 db per octave	-8 db @ 10kHz 6 db per octave

Loudness Contour

Volume Control Position -30 db		
50Hz	+11 db	+11 db
100Hz	+8 db	+8 db
1000Hz	0 db	0 db

Tone Control Action

Bass Control, 50Hz	±15 db	±15 db
Treble Control, 10kHz	±12 db	±12 db

Input Sensitivity

For rated continuous power, 8 ohms, 1kHz		
Phono	2.6 mV	2.6 mV
Tape	85.0 mV	85.0 mV
Aux.	90.0 mV	90.0 mV

Input Impedance

Phono	47,000 ohms	47,000 ohms
Tape	50,000 ohms	50,000 ohms
Aux.	220,000 ohms	220,000 ohms

Tape Output Level

For rated tape and phono input	100 mV	100 mV
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Signal-To-Noise Ratio

Hum and noise below rated output 20Hz-20kHz volume at max. position		
Phono	50 db	50 db
Tape	75 db	75 db
Aux.	70 db	70 db

FM TUNER

	CR2743A	CR2742A
Usable Sensitivity (IHF) 300 ohms	1.9 µV	1.9 µV
Signal-To-Noise Ratio 100% Mod.	60 db	60 db
Capture Ratio (IHF)	1.5 db	1.5 db
Full Limiting (1 db)	1.2 µV	1.2 µV
Image Rejection	60 db	60 db
Alternate Channel Rejection (IHF)	55 db	55 db
IF Rejection @ 98MHz	90 db	90 db
Spurious Response Rejection 1/2 IF @ 98MHz	90 db	90 db
AM Suppression	46 db	46 db
Total Harmonic Distortion (THD) FM Mono FM Stereo	1.0% 0.6%	1.0% 0.6%
Stereo Separation 1kHz 10kHz	40 db 30 db	40 db 30 db
FM Muting Threshold	5 µV	5 µV

AM TUNER

Sensitivity 20 db S/N 30% mod., 400Hz, 1.4MHz	250 µV/M	250 µV/M
Image Rejection 1.4MHz	80 db	80 db
Selectivity ±10kHz, 1.4MHz	28 db	28 db
IF Rejection 1.4MHz	80 db	80 db
AGC Action	65 db	65 db

CR2741W

Total Music Power (IHF)	50 watts into 8 ohms 65 watts into 4 ohms
Continuous Power (RMS)	25 watts total into 8 ohms 32 watts total into 4 ohms
Total Harmonic Distortion	Less than 1% at rated output
Intermodulation Distortion	Less than 1% at rated output
Frequency Response	25Hz-20kHz (+0 -3 db)
Power Bandwidth	25Hz-20kHz (-3 db)
Damping Factor	10
Cut/Boost Bass Control	±10 db at 100Hz
Cut/Boost Treble Control	±10 db at 10kHz
Loudness Control	+12 db at 100Hz
FM Sensitivity (IHF)	2.5 microvolts
20 db Quieting	1.5 microvolts
Full Limiting (1 db)	1.8 microvolts
Signal to Noise	60 db
Capture Ratio	5.5 db
Image Rejection	45 db
1/2 I.F. Response	78 db
Alternate Channel Rejection (IHF)	52 db
Stereo Separation 1 kHz/10kHz	35 db/27 db
Total Harmonic Distortion (Stereo)	Less than 2%
FM Muting	None
AM Sensitivity (20 db S/N)	300 microvolts/m
Image Rejection	50 db
Adjacent Channel Rejection	28 db