

Functional Test Report



Date: 14/09/2025

Make: JVC

Model: R-S5L

Serial Number: 10400702

Production date: 1979

Existing issues resolved before test:

Failed capacitors replaced around PSU. Volume and balance given a light clean with contact cleaner.

Sources:

Source	Condition	Resolved
FM Mono	Working - able to tune in to stations fine. Sounds louder on left	
FM Auto Muting	Working - able to tune in to stations fine. PLL Stereo lights up and is stereo	
MW/LW	Both work well	
Phono		
Aux	OK	
Tape		

Controls:

Control	Condition	Resolved
Power	Working – 0 ohm resistance	
Speakers	All positions working well	
Bass	Having an effect, but seems underwhelming	
Treble	Having an effect	
Balance	Crackly and cutting out – worse on the Right side	
Volume	crackly	
Loudness	Working well	
Tape	Working	
MW/LW	Working but making pops when operated	
Source	Working – crackly when changing	
Tuning	Tuning is smooth but there is a clunk when changing direction. The aluminium cap needs to be stuck back on.	

Optoelectronics:

Component	Condition	Resolved
Tuning signal meter	Working on all bands	
Tape Monitor LED	working	
PLL FM locked LED	working	
Tuning dial back light	Working but very dim	

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Outputs:

Name	Condition	Resolved
Tape play		
Speakers 1	Working – but right side lower volume	
Speakers 2	Working - but right side lower volume	
Headphones	Working	

Amplifier status

O/P level tested using a 1Khz sine wave at 200mV PP into 4.7ohm load and volume 50%
DC offset measured at the speaker terminals with no input signal at warmed up temperature

Channel	DC offset V	O/P level PP	Listening
Left	-22.0mV	2.66v	OK
Right	-2.0mV	2.36v	A little quieter and a reduced top end

Issues:

The switches and contacts need to be cleaned so a front panel service is required.
The right channel sounding quieter with a reduced top end needs to be investigated.
The tuning knob needs to be repaired.
The negative DC offset needs to be investigated