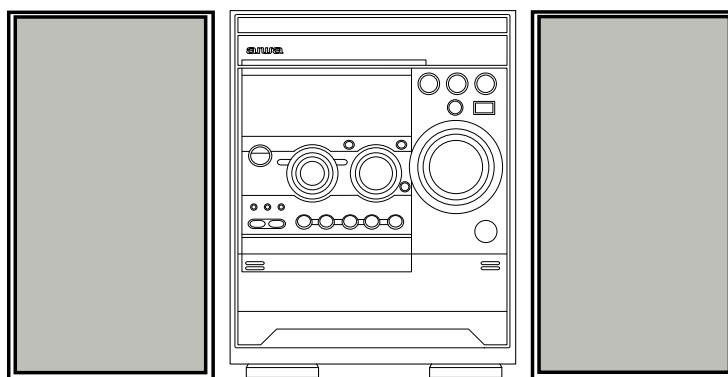




SERVICE MANUAL

CD STEREO SYSTEM

BASIC TAPE MECHANISM : 6ZM-3 PR4NM
BASIC CD MECHANISM : BZG-5 ZD5GNDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-R82	CX-NR82	SX-NR80	RC-CAS01

This Service Manual contains information about the difference between NSX-R82(V) and NSX-R80(V).
If requiring other information, see Service Manual of NSX-R80(V) (S/M Code No. 09-025-455-1N3).

aiwa

S/M Code No. 09-031-455-1S5

SUPPLEMENT
DATA

SPECIFICATIONS -1/1

MAIN UNIT CX-NR82

TUNER

FM tuning range	FM1 (OIRT): 65 MHz to 74 MHz (10 kHz step) FM2 (CCIR): 87.5 MHz to 108 MHz (50 kHz step)
FM usable sensitivity (IHF)	FM1: 15.3 dBf FM2: 12.8 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
AM usable sensitivity	350 μ V/m
AM antenna	Loop antenna

AMPLIFIER

Power output	Rated: 80 W + 80 W (6 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 100 W + 100 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)
Total harmonic distortion	0.08 % (40 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	VIDEO/AUX: 700 mV
Outputs	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz - 15 kHz
Recording system	AC bias
Heads	DECK 1: playback x 1 DECK 2: recording/playback x 1, erase x 1

CD PLAYER

Laser	Semiconductor laser (λ = 780 nm)
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements	230 V AC, 50 Hz
Power consumption	110 W
Power consumption in standby mode	With ECO mode on: 0.6 W With ECO mode off: 20 W
Dimensions (W x H x D)	260 x 324 x 360 mm
Weight	7.8 kg

FRONT SPEAKERS SX-NR80

Speaker system	4 way, Built-in subwoofer (magnetic shielded)
Speaker units	Subwoofer: 160 mm cone Mid range: 80 mm cone Tweeter: 50 mm cone Super tweeter: 20 mm ceramic
Impedance	6 ohms
Dimensions (W x H x D)	266 x 324 x 259 mm
Weight	5.7 kg

Specifications and external appearance are subject to change without notice.

! = SAFETY PARTS
C = Components marked

However, please note that not all components will be available as spare parts for after-sales service.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

[illegible]

MECHANICAL MAIN PARTS LIST -1/1

! =  SAFTY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CX-SNR82 VSM1
	O	MC1001	8A-NF8-282-010	SPR-T,EJECT 2	a
	O	MC1002	8A-NF8-281-010	SPR-T,EJECT 1	a
	O	MC1003	8B-NF1-003-110	BOX,CASS 2	a
	O	MC1004	8B-NF1-002-110	BOX,CASS 1	a
	O	MC1005	8Z-NF6-210-010	DMFR,150 N	a
	O	MC1006	8B-NF1-008-010	BOX, DOOR	a
	O	MC1007	8C-NF5-003-010	PANEL,DOOR R1	a
	O	MC1008	8B-NF1-010-010	WINDOW,CASS	a
	O	MC1009	8B-NF1-021-110	KNOB,RTRY VOL	a
	O	MC1010	8B-NF1-023-010	PANEL,VOL	a
	O	MC1011	8B-NF1-001-110	CABI,FR EZ	a
	O	MC1012	8B-NF1-015-110	KEY,POWER	a
	O	MC1013	8B-NF1-028-010	REFLECTOR,FUN	a
	O	MC1014	8C-NF5-009-010	PANEL,FR V	a
	O	MC1015	8B-NF1-022-110	KNOB,RTRY JOG	a
	O	MC1016	8B-NF1-030-010	KNOB,RTRY FUN M	a
	O	MC1017	8B-NF1-025-010	WINDOW,FUN	a
	O	MC1018	8C-NF5-027-010	WINDOW,DISP V NR82	a
	O	MC1019	8B-NF1-014-010	WINDOW,CD	a
	O	MC1020	8B-NF1-005-010	PANEL,LEFT	a
					CX-SNR82 VSM1
	O	MC1021	8B-NF1-007-010	PANEL,TOP	a
	O	MC1022	8B-NF1-027-010	REFLECTOR,ECO	a
	O	MC1023	8C-NF5-010-010	KEY,REC EZ	a
	O	MC1024	87-069-033-010	CABLE,TIE	a
	O	MC1025	8C-NF5-006-010	KEY,OPE LH	a
	O	MC1026	8B-NF1-016-010	KEY,CD	a
	O	MC1027	8B-NF1-017-110	KEY,ENTER	a
	O	MC1028	8A-NF8-209-010	OIL-DMFR,120	a
	O	MC1029	87-NF4-216-010	HLDR,LOCK 1	a
	O	MC1030	86-NF9-224-010	SPR-C,LOCK	a
	O	MC1031	82-NF5-229-010	PLATE,LOCK(*)	a
	O	MC1032	87-NF4-217-110	HLDR,LOCK 2	a
	O	MC1033	88-908-301-110	FF-CABLE,8P 1.25 300MM	a
	O	MC1034	88-911-101-110	FF-CABLE,11P 1.25 100MM	a
	O	MC1035	88-904-201-110	FF-CABLE,4P 1.25	a
	O	MC1036	8B-NF9-207-010	GUIDE,FL 90.2-20	a
	O	MC1037	8A-NF8-206-010	HLDR,PWB M	a
	O	MC1038	8B-NF1-013-010	PANEL,TRAY	a
	O	MC1039	87-CE3-023-010	BADGE,AIWA 30N SILV	a
	O	MC1040	88-906-251-110	FF-CABLE,6P 1.25	a
					CX-SNR82 VSM1
	O	MC1041	8C-NF5-020-010	CABI,REAR VSM NR82	a
	O	MC1042	8B-NF1-203-010	HLDR,PWB PT	a
!	O	MC1043	87-A80-157-010	AC CORD ASSY,E BLK CC	a
	O	MC1044	87-085-185-010	BUSHING,AC CORD(E) CM-22B	a
X	MC1045	8C-NF5-621-010	PWB,FRONT CNF-5	a	
O	MC1046	8B-NF1-006-010	PANEL,RIGHT	a	
O	MC1047	84-ZG1-245-210	CAP,OPTICAL	a	
X	MC1048	8C-NF5-633-210	PWB,HP1 U/LH/HR/V	a	
X	MC1049	8B-NF9-204-010	CUSH, 11-8.5-2	a	
O	MC1050	8B-NF1-209-010	COVER, MAGNET	a	
O	MC1051	8B-NF1-206-010	MAGNET,BOX 11-6-4	a	
O	MC1052	8B-NF1-207-010	PLATE,BOX	a	
X	MC1053	87-NF4-218-010	PLATE,EARTH MECHA	a	
X	MC1054	M8-BZG-581-130	BZG-5 ZD5GNDM	a	
X	MC1055	M8-6ZM-39C-130	6ZM-3 PR4NM	a	
X	MC1056	8C-NF5-207-010	CHAS,MAIN CM 76-60	a	
!	O	MC1057	8C-NF5-608-010	PT,CNF-5 EZ	a
X	MC1058	8C-NF5-203-010	HLDR,TR 7	a	
X	MC1059	8C-NF5-631-210	PWB,MAIN U/LH/HR/V	a	
O	MC1060	8C-NF5-603-010	FL,HUA-11MM42T	a	
					CX-SNR82 VSM1
X	MC1061	8C-NF5-226-110	HT-SINK,ASSY140-3	a	
X	MC1061a	8C-NF5-212-110	HT-SINK,MAIN S	a	
X	MC1061b	8C-NF5-213-010	HT-SINK,FIN 140	a	
X	MC1062	8C-NF5-632-210	PWB,PT U/LH/HR/V	a	
X	MC1063	8C-NF5-636-210	PWB,HLDR WIRE1 U/LH/HR/V	a	
X	MC1064	8B-NF6-215-010	HT-SINK,FET	a	
!	O	MC1065	8B-MA6-675-010	PT,SUB BMA E (VRK)	a
X	MC1066	8C-NF5-622-010	PWB,CD LED CNF-5	a	
O	MC1A	87-B10-091-010	UTT2+3-10 W/O SLOT BLK	a	
O	MC1B	87-721-096-410	QT2+3-10 W/O SLOT	a	
O	MC1C	88-AR1-217-010	S-SCREW,BFT2+3-8	a	
O	MC1D	87-NF4-224-010	S-SCREW,IT3B+3-8 CU	a	
O	MC1E	8C-NF5-222-010	W,4-7-0.65 W/ADH	a	
O	MC1F	87-067-579-010	BVT2+3-8 W/O SLOT	a	
O	MC1G	87-067-703-010	BVT2+3-10 W/O SL0T	a	
O	MC1H	87-B10-315-010	BVIT3B+3-8 R W/O	a	
O	MC1I	87-078-200-010	S-SCREW,ITC+4-8 R	a	