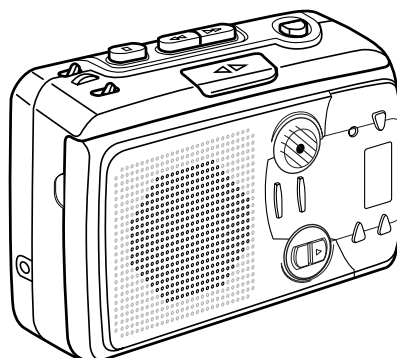




SERVICE MANUAL

STEREO RADIO CASSETTE
RECORDER

BASIC TAPE MECHANISM : 3ZM-1 R2N

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" of HS-JS389 (YH,YJ,YHT), S/M Code No. 09-012-442-5T1.

SPECIFICATIONS

Frequency range: **For using in Asia countries and Europe**
AM: 531 - 1,602 kHz (9 kHz step)
FM1, FM2: 87.5 - 108 MHz (50 kHz step)
For using in North and South America
AM: 530 - 1,710 kHz (10 kHz step)
FM1, FM2: 87.5 - 108.1 MHz (200 kHz step)

Maximum output:

Speaker: 250 mW (EIAJ/ 8 ohms)
Headphones: 12 mW + 12 mW (EIAJ/ 32 ohms)

Power source:

Battery DC 3V, R6 (size AA) X 2
Domestic AC power (using optional AC adaptor: AIWA AC-620/AC-302)

Speakers:

Diameter 50 mm, 8 ohms

Recording speed:

Approx. 4.8cm/sec. with the REC MODE switch set to NOR.
Approx. 2.4cm/sec. with the REC MODE switch set to 2X.

Battery life:

EIAJ, 1mW output, playback

Approx. 5 hours using R6P (size AA) manganese batteries
Approx. 16 hours using LR6 (size AA) alkaline batteries

EIAJ, 10mW output, playback

Approx. 3 hours using R6P (size AA) manganese batteries
Approx. 10 hours using LR6 (size AA) alkaline batteries

EIAJ, recording:

Approx. 3.5 hours using R6P (size AA) manganese batteries
Approx. 13 hours using LR6 (size AA) alkaline batteries

Maximum outside dimensions (W X H X D)

(excluding projecting parts and control):

116 X 90.5 X 37.2 mm
(4⁵/₈ X 3⁵/₈ X 1¹/₂ in.)

Weight (excluding batteries)

Approx. 205g (7 oz)

- Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-041-083-110		MIC, CM-S40A
2	87-B30-255-010		HEADPHONE, HP-M007B (S)
3	84-447-019-310		CLIP, BELT
4	8B-HJ8-902-010		IB, YJ (ECCA) - IN <YH, YJ>
5	8B-HJ8-905-010		IB, YHT (ECCCK) - IN <YHT>

ELECTRICAL MAIN PARTS LIST

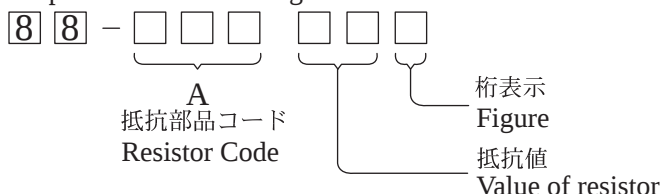
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C104	87-012-188-080		C-CAP,U 47P-50 J CH
	87-001-943-080		IC,TA8155F	C105	87-012-271-080		C-CAP,U 560P-50 K B
	87-017-370-080		IC,MM1038AFF	C106	87-012-193-080		C-CAP,U 82P-50 J CH
	87-A20-851-040		C-IC,TA2111F	C108	87-012-193-080		C-CAP,U 82P-50 J CH
	87-A21-737-030		C-IC,LC72349G-9944	C110	87-012-169-080		C-CAP,U 7P-50 D CH
	87-002-232-080		C-IC,NJM2073M(T1)				
	87-001-371-080		C-IC,LA4533M	C112	87-012-178-080		C-CAP,U 18P-50 CH
TRANSISTOR				C113	87-012-172-080		C-CAP,U 10P-50 D CH
	87-026-263-080		C-TR,RN1410	C114	87-012-286-080		C-CAP,U 0.01-25 K B
	89-327-125-080		C-TR,2SC2712GR	C115	87-012-164-080		C-CAP,U 2P-50 C CH
	89-113-625-080		C-TR,2SA1362GR	C118	87-A11-056-080		C-CAP,U 1-10 Z F
	87-A30-085-040		C-TR,CSA1362GR				
	87-A30-435-040		C-TR,DTC144EKA	C119	87-012-286-080		C-CAP,U 0.01-25 K B
	89-327-143-080		C-TR,2SC27140	C120	87-A11-056-080		C-CAP,U 1-10 Z F
	87-026-268-080		C-TR,RN2411	C121	87-012-274-080		C-CAP,U 1000P-50B
	87-A30-061-080		C-TR,KTA1504GR	C122	87-A10-263-080		C-CAP,U 0.1-16ZF
	89-333-266-080		CHIP TR,2SC3326B	C124	87-A11-056-080		C-CAP,U 1-10 Z F
DIODE				C125	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-020-027-080		C-DIODE 1SS184	C126	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-A40-360-080		C-DIODE,MA786	C127	87-A12-688-040		CAP,E 4.7-35 M 5L R85S5
	87-A41-042-040		C-ZENER,KDZ2.0V	C129	87-010-785-080		C-CAP,U 0.015-25 K B
				C130	87-010-785-080		C-CAP,U 0.015-25 K B
MAIN C.B				C131	87-010-785-080		C-CAP,U 0.015-25 K B
	87-A91-728-110		FLTR,KIT KMFC5184-A	C132	87-010-785-080		C-CAP,U 0.015-25 K B
BPF101	87-A91-682-010		FLTR,GFWB7-C1	C133	87-A12-699-040		CAP,E 220-4 M 5L R85S5
C1	87-012-275-080		C-CAP,U 1200P-50B	C136	87-012-274-080		C-CAP,U 1000P-50B
C2	87-012-275-080		C-CAP,U 1200P-50B	C138	87-A10-827-080		C-CAP,U 0.47-6.3 K B
C3	87-A11-056-080		C-CAP,U 1-10 Z F				
C4	87-A11-056-080		C-CAP,U 1-10 Z F	C141	87-A11-056-080		C-CAP,U 1-10 Z F
C5	87-012-195-080		C-CAP,U 100P-50CH	C146	87-012-188-080		C-CAP,U 47P-50 J CH
C6	87-012-195-080		C-CAP,U 100P-50CH	C401	87-A10-828-080		C-CAP,U 0.33-6.3 K B
C7	87-012-276-080		C-CAP,U 1500P-50 K B	C402	87-A10-828-080		C-CAP,U 0.33-6.3 K B
C8	87-012-276-080		C-CAP,U 1500P-50 K B	C403	87-A11-056-080		C-CAP,U 1-10 Z F
C9	87-012-285-080		C-CAP,U 8200P-50 K B	C601	87-A10-025-080		C-CAP,U 0.22-16Z F
C10	87-012-285-080		C-CAP,U 8200P-				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L52	87-A50-691-010		COIL,47UH TROID	C206	87-012-164-080		C-CAP,U 2P-50 CH
L101	8B-HJ8-603-010		BAR-ANT,MW	C207	87-A11-056-080		C-CAP,U 1-10 Z F
L102	8B-HJ8-606-010		COIL,FMRF	C208	87-A11-056-080		C-CAP,U 1-10 Z F
L103	8B-HJ8-605-010		COIL,FMOSC	C209	87-012-286-080		C-CAP,U 0.01-25 B
L104	87-A50-697-080		COIL,100UH J (CECS)	C210	87-A10-263-080		C-CAP,U 0.1-16Z F
L105	87-A90-663-010		IFT,MW 5L H6.4	C211	87-A10-025-080		C-CAP,U 0.22-16 Z F
L601	87-A50-691-010		COIL,47UH TROID	C212	87-A10-263-080		C-CAP,U 0.1-16 Z F
L651	87-A50-691-010		COIL,47UH TROID	C251	87-012-286-080		C-CAP,U 0.01-25 B
L701	87-A50-692-010		COIL,OSC BIAS	C258	87-012-286-080		C-CAP,U 0.01-25 B
M701	82-TP3-609-010		ECM,KUB2823	C259	87-010-805-080		C-CAP, S 1-16 F
R59	87-022-656-080		M-RES,0.68-1/8W G	C260	87-A10-419-080		C-CAP,TN 1-16 A TCF
SFR51	87-A90-958-080		C-SFR,1K B RHO3AXA13W	C265	87-010-805-080		C-CAP, S 1-16
SFR52	87-A92-136-040		C-SFR,4.7K H RH03AXAS3X	L252	87-005-575-080		C-COIL, 220UH K FLC32
SP1	8B-HJ8-611-010		SPKR,50MM 8-OHM	LCD201	8A-HRE-603-110		LCD,ASSY (BAND/TU) 17P
SW1	87-A92-141-010		SW,MICRO DSSA-003	S201	87-A90-232-080		C-SW,TACT SKQRAA
SW2	87-A90-917-010		C-SW,SL 1-1-2 SS-350-B12W-C-L	S203	87-A90-232-080		C-SW,TACT SKQRAA
SW3	87-036-411-010		SW,LEAF LSA-1116PAU	SW213	87-A90-330-080		C-SW,SL 1-1-2 SSSS81 T1.4
SW51	87-A90-917-010		C-SW,SL 1-1-2 SS-350-B12W-C-L	X201	87-A70-082-110		VIB,XTAL 75KHZ
SW52	87-A90-917-010		C-SW,SL 1-1-2 SS-350-B12W-C-L				
SW401	87-A90-918-010		C-SW,SL 1-1-3 SS-350-B13B-C-L				
SW701	87-036-082-010		SW,SL 2-2-2 MCS-2210	HEAD FLEX C.B			
TH51	87-026-256-090		THMS, HT-100				
VC101	87-A91-666-010		TRIMMER,10P 5.8X5.2 BCVO510	87-046-408-010			HEAD ASSY,RPH SR12R-CF001
VR1	87-A92-135-010		VR,RTRY 20KAX2	FLEX C.B			
FRONT C.B				8B-HJ8-610-010			FF-CABLE,15P
C201	87-010-805-080		C-CAP,S 1-16 Z F				
C202	87-A11-056-080		C-CAP,U 1-10 Z F				
C203	87-012-278-080		C-CAP,U 2200P-50 B				
C204	87-012-274-080		C-CAP,U 1000P-50 B				
C205	87-012-170-080		C-CAP,U 8P-50 D CH				

チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

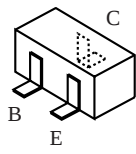
Chip Resistor Part Coding



チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差
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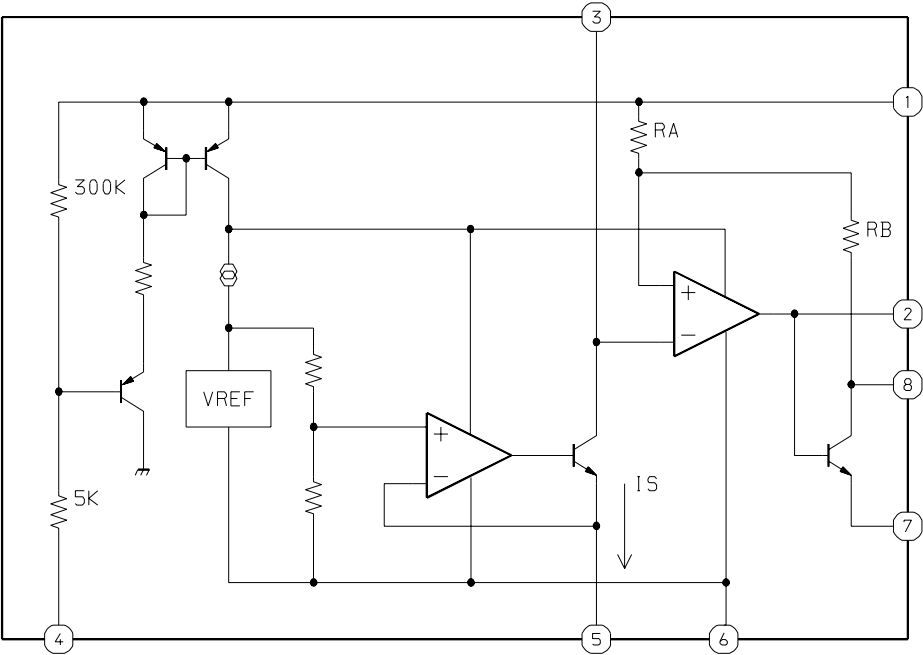
TRANSISTOR ILLUSTRATION



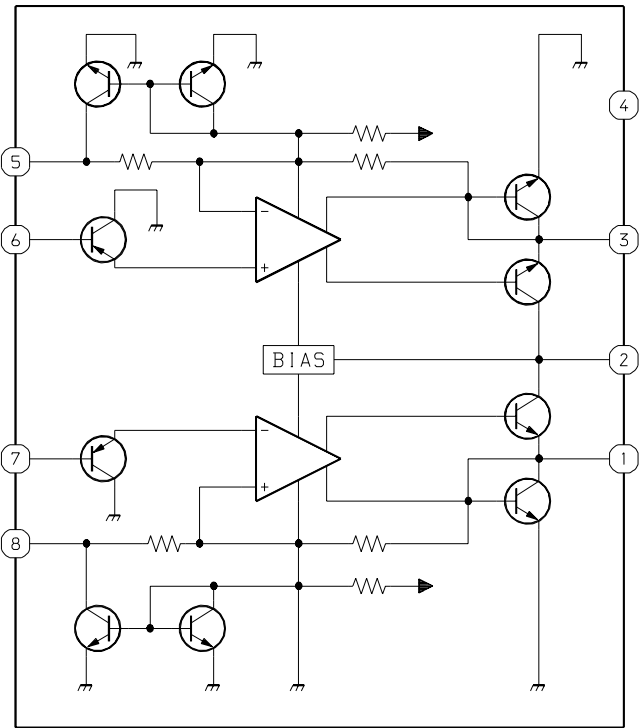
2SA1362GR	DTC144EKA
2SC2712GR	KTA1504GR
2SC2714O	RN1410
2SC3326B	RN2411
CSA1362GR	

IC BLOCK DIAGRAM

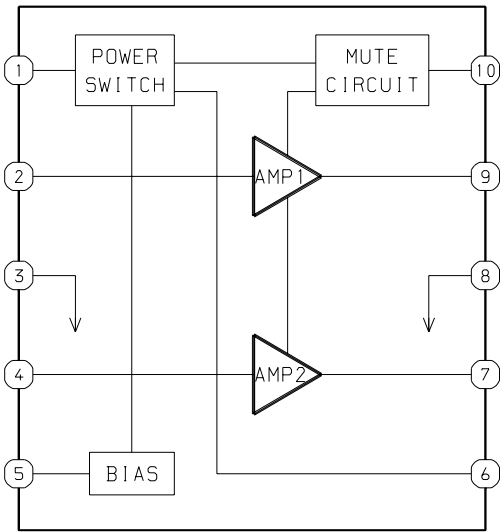
MM1038AFF



IC, NJM2073M (T1)



IC, LA4533M



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BASIC TAPE MECHANISM: 3ZM-1

- Replace this Service manual with "Revision Publishing" when it is issued.

