

Service Manual

DVD Stereo System



SA-VK71DGC
SA-VK71DGS
SA-VK71DGCS

Colour
 (S) Silver Type

Subject : Tape Head Change Information

Please use this supplement manual together with the service manual for Model No. [SA-VK71DGCGS-S, Order No. MD0407369C3], [SA-VK71DGCSS, Order No. MD0407368C3].

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Service Hint

1.1. Background

This document describes necessary important information that must be followed accordingly when during the service repair for the tape head unit (P/B & R/P head) & the deck P.C.B for the mentioned models.

1.1.1. Change of Deck Mechanism due to implementation of new tape head

Below information indicates the change of part no. for the deck mechanism.

Model No.	Original Part No.	New Part No.	Notes	Part Name & Descriptions	Remarks
SA-VK71DGC/GS/GCS-S	RAA3412-S	RAA3413-S	8,A	Deck Mechanism	[M] CHANGE

[M] indicates parts that are supplied by PAVCSG.

Note: The new deck mechanism is implemented using the new tape head. (R/P & P/B Head Unit)

1.1.2. Change of Deck P.C.B due to implementation of new tape head

Below information indicates the part no. & compatibility between the tape head & deck P.C.B.

Model No.	Ref. No.	Original Part No.	New Part No.	Notes	Part Name & Descriptions	Remarks
SA-VK71DGC/GS/GCS-S	101	RED0071	RED0063-1	8,D	R/P Head Blk Unit	[M] CHANGE
	102	RED0072	RED0064-1	8,D	P/B Head Blk Unit	[M] CHANGE
	--	REPX0331C	REPX0331F	8,C	Deck P.C.B	[M] CHANGE

[M] indicates parts that are supplied by PAVCSG.

Caution Note:

- Do not interchange parts during replacement. During parts replacement, change the R/P & P/B Head Blk unit.
- The new deck P.C.B is compatible with both the new & old R/P & P/B Head Unit.

Reason for Change	
*The circled item indicates the reason. If no marking, see the Notes in the bottom column.	
☐ 1. Improve performance	
☐ 2. Change of material or dimension	
☐ 3. To meet approved specification	
☐ 4. Standardization	
☐ 5. Addition	
☐ 6. Deletion	
☐ 7. Correction	
☐ 8. Other	

Interchangeability Code

**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.

Parts	Set Production	
☐ A Original New	 Early Late	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
☐ B Original New	 Early Late	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
☐ C Original New	 Early Late	New parts only may be used in early or late production sets. Stock new parts.
☐ D Original New	 Early Late	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
☐ E Other		

T.I No. 29323 / 29559 (For Factory Reference only).

1.1.3. Change of Deck Schematic & P.C.B.

The following sections (Section 2 : Schematic & Section 3 : P.C.B) contains information on the new revised circuit.

Note: With reference to pg 101 to 102 of the original service manual (section 21.5.) for SA-VK71DGCSS.

2.1. (F) Deck Circuit

F DECK CIRCUIT



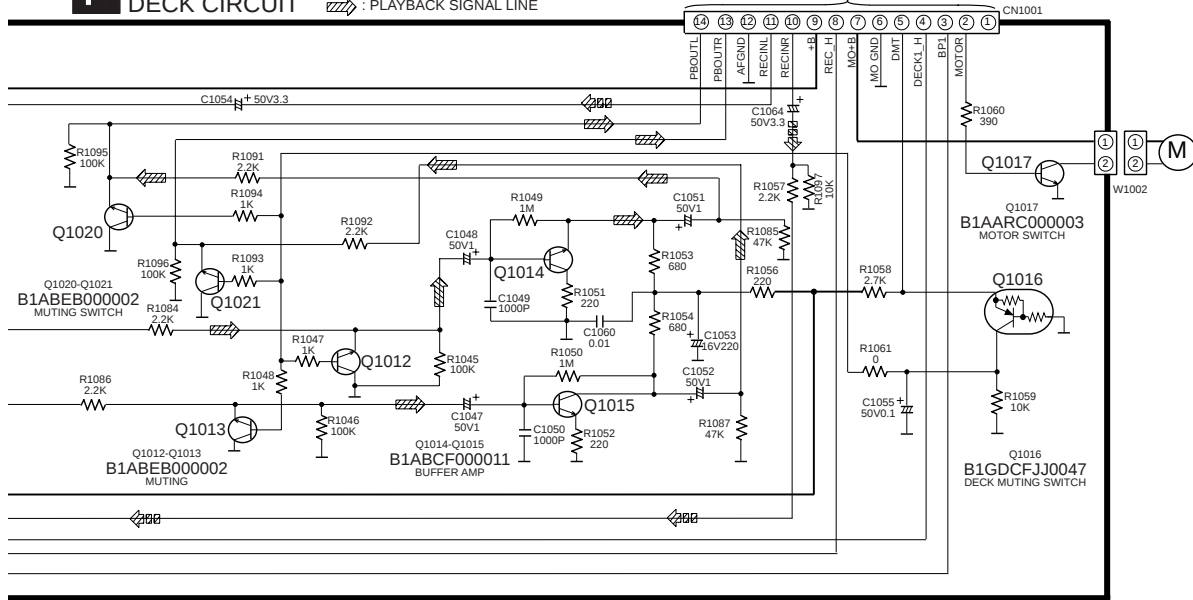
SCHEMATIC DIAGRAM - 23

F

DECK CIRCUIT

— : +B SIGNAL LINE
 [Symbol] : RECORD SIGNAL LINE
 [Symbol] : PLAYBACK SIGNAL LINE

TO **C**
 PANEL CIRCUIT
 (CP6803) ON
 SCHEMATIC
 DIAGRAM - 18



4 Parts Location and Replacement Parts List

Note: With reference to pg 138 to 151 of the original service manual (section 27.4.) for SA-VK71DGC/GS-S.

Note: With reference to pg 138 to 151 of the original service manual (section 26.4.) for SA-VK71DGCSS.

The following section is the part list for deck circuit only.

4.1. Electrical Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REPX0331F	DECK P.C.B.	[M] (RTL)
		INTEGRATED CIRCUITS	
IC1001	AN7348STA-E1	IC TAPE PB	[M]
IC1004	C1AA00000612	IC SW	[M]
		TRANSISTORS	
Q1001	B1ABCF000176	TRANSISTOR	[M]
Q1003	B1AAGC000007	TRANSISTOR	[M]
Q1004	B1AAGC000007	TRANSISTOR	[M]
Q1005	B1AAGC000007	TRANSISTOR	[M]
Q1007	B1ABCF000176	TRANSISTOR	[M]
Q1012	B1ABEB000002	TRANSISTOR	[M]
Q1013	B1ABEB000002	TRANSISTOR	[M]
Q1014	B1ABCF000011	TRANSISTOR	[M]
Q1015	B1ABCF000011	TRANSISTOR	[M]
Q1016	B1GDCFJ00047	TRANSISTOR	[M]
Q1017	B1AARC000003	TRANSISTOR	[M]
Q1020	B1ABEB000002	TRANSISTOR	[M]
Q1021	B1ABEB000002	TRANSISTOR	[M]
		DIODE	
D1003	B0ACCK000005	DIODE	[M]
		CONNECTORS	
CN1001	K1MN14B00058	14P CONNECTOR	[M]
CS1001	K1MN05A00039	5P CONNECTOR	[M]
CS1002	K1MN05A00039	5P CONNECTOR	[M]
		COILS	
L1001	G0C470JA0052	RF CHOKE COIL	[M]
L1002	7L1A62N	BIAS OSC COIL	[M]
		WIRE	
W1002	RWJ0102050CK	MOTOR WIRE (MAIN-MECHA)	[M]
		RESISTORS	
R1002	ERJ3GEY0R00V	0 1/16W	[M]
R1003	ERJ3GEYJ103V	10K 1/16W	[M]
R1004	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1005	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1006	ERJ3GEYJ102V	1K 1/16W	[M]
R1007	ERD25FVJ4R7T	4.7 1/4W	[M]
R1009	ERJ3GEYJ183V	18K 1/16W	[M]
R1010	ERJ3GEYJ183V	18K 1/16W	[M]
R1011	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1012	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1013	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1014	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1015	ERJ3GEYJ470V	47 1/16W	[M]
R1016	ERJ3GEYJ470V	47 1/16W	[M]
R1017	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1018	ERJ3GEYJ392V	3.9K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1019	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1020	ERJ3GEY0R00V	0 1/16W	[M]
R1022	ERJ3GEYJ103V	10K 1/16W	[M]
R1024	ERJ3GEY0R00V	0 1/16W	[M]
R1025	ERJ3GEY0R00V	0 1/16W	[M]
R1026	ERJ3GEYJ102V	1K 1/16W	[M]
R1027	ERJ3GEY0R00V	0 1/16W	[M]
R1028	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1029	ERJ3GEYJ475V	4.7M 1/16W	[M]
R1030	ERJ3GEYJ101V	100 1/16W	[M]
R1031	ERJ3GEYJ273V	27K 1/16W	[M]
R1032	ERJ3GEYJ103V	10K 1/16W	[M]
R1035	ERJ3GEYJ103V	10K 1/16W	[M]
R1040	ERJ3GEY0R00V	0 1/16W	[M]
R1045	ERJ3GEYJ104V	100K 1/16W	[M]
R1046	ERJ3GEYJ104V	100K 1/16W	[M]
R1047	ERJ3GEYJ102V	1K 1/16W	[M]
R1048	ERJ3GEYJ102V	1K 1/16W	[M]
R1049	ERJ3GEYJ105V	1M 1/16W	[M]
R1050	ERJ3GEYJ105V	1M 1/16W	[M]
R1051	ERJ3GEYJ221V	220 1/16W	[M]
R1052	ERJ3GEYJ221V	220 1/16W	[M]
R1053	ERJ3GEYJ681V	680 1/16W	[M]
R1054	ERJ3GEYJ681V	680 1/16W	[M]
R1055	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1056	ERJ3GEYJ221V	220 1/16W	[M]
R1057	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1058	ERJ3GEYJ103V	10K 1/16W	[M]
R1059	ERJ3GEYJ103V	10K 1/16W	[M]
R1060	ERJ3GEYJ391V	390 1/16W	[M]
R1061	ERJ3GEY0R00V	0 1/16W	[M]
R1084	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1085	ERJ3GEYJ473V	47K 1/16W	[M]
R1086	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1087	ERJ3GEYJ473V	47K 1/16W	[M]
R1090	ERJ3GEYJ221V	220 1/16W	[M]
R1091	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1092	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1093	ERJ3GEYJ102V	1K 1/16W	[M]
R1094	ERJ3GEYJ102V	1K 1/16W	[M]
R1095	ERJ3GEYJ104V	100K 1/16W	[M]
R1096	ERJ3GEYJ104V	100K 1/16W	[M]
R1097	ERJ3GEYJ103V	10K 1/16W	[M]
R1098	ERJ3GEYJ103V	10K 1/16W	[M]
R1099	ERJ3GEY0R00V	0 1/16W	[M]
R1100	ERJ3GEY0R00V	0 1/16W	[M]
R1101	ERJ3GEY0R00V	0 1/16W	[M]
R1102	ERJ3GEYJ103V	10K 1/16W	[M]
		CAPACITORS	
C1001	ECJ1VF1H103Z	0.01 50V	[M]
C1002	ECEA1HKN2R2B	2.2 50V	[M]
C1003	ECJ1VB1H152K	1500P 50V	[M]
C1006	ECEA1HKA010B	1 50V	[M]
C1007	F0A2A472A034	4700P 100V	[M]
C1008	ECEA1HKA010B	1 50V	[M]
C1009	ECEA1CKA470B	47 16V	[M]
C1010	ECA1EM101B	100 25V	[M]
C1011	ECQV1H473JZ3	0.047 50V	[M]
C1012	ECJ1VB1H102K	1000P 50V	[M]
C1013	ECJ1VB1H102K	1000P 50V	[M]
C1014	ECJ1VB1H102K	1000P 50V	[M]
C1015	ECJ1VB1H102K	1000P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1016	ECJ1VB1H222K	2200P 50V	[M]
C1017	ECJ1VB1H222K	2200P 50V	[M]
C1018	ECJ1VB1H332K	3300P 50V	[M]
C1019	ECJ1VB1H102K	1000P 50V	[M]
C1020	ECJ1VB1H471K	470P 50V	[M]
C1021	ECJ1VB1H471K	470P 50V	[M]
C1022	ECJ1VB1H102K	1000P 50V	[M]
C1023	ECJ1VB1H102K	1000P 50V	[M]
C1026	ECEA0JKA470B	47 6.3V	[M]
C1027	ECJ1VB1H102K	1000P 50V	[M]
C1030	ECEA1AKA101B	100 10V	[M]
C1031	ECEA1AKA101B	100 10V	[M]
C1032	F1C1C183A023	0.018 16V	[M]
C1033	F1C1C183A023	0.018 16V	[M]
C1034	ECEA1HKA3R3B	3.3 50V	[M]
C1035	ECEA1HKA3R3B	3.3 50V	[M]
C1036	ECJ1VB1C333K	0.033 16V	[M]
C1037	ECEA1HKA3R3B	3.3 50V	[M]
C1038	ECJ1VB1H221K	220P 50V	[M]
C1039	ECJ1VB1H221K	220P 50V	[M]
C1040	ECEA1CKA100B	10 16V	[M]
C1041	ECEA1CKA100B	10 16V	[M]
C1042	ECEA1CKA220B	22 16V	[M]
C1043	ECEA1HKA4R7B	4.7 50V	[M]
C1044	ECEA1AKA330B	33 10V	[M]
C1045	ECEA1AKA220B	22 10V	[M]
C1046	ECEA1CKA221B	220 16V	[M]
C1047	ECEA1HKA010B	1 50V	[M]
C1048	ECEA1HKA010B	1 50V	[M]
C1049	ECJ1VB1H102K	1000P 50V	[M]
C1050	ECJ1VB1H102K	1000P 50V	[M]
C1051	ECEA1HKA010B	1 50V	[M]
C1052	ECEA1HKA010B	1 50V	[M]
C1053	ECA1CM221B	220 16V	[M]
C1054	ECEA1HKA3R3B	3.3 50V	[M]
C1055	ECEA1CKA220B	22 16V	[M]
C1056	ECEA1CKA100B	10 16V	[M]
C1057	ECJ1VB1H102K	1000P 50V	[M]
C1058	ECJ1VB1H102K	1000P 50V	[M]
C1059	ECJ1VB1H103K	0.01 50V	[M]
C1060	ECJ1VB1H103K	0.01 50V	[M]
C1064	ECEA1HKA3R3B	3.3 50V	[M]