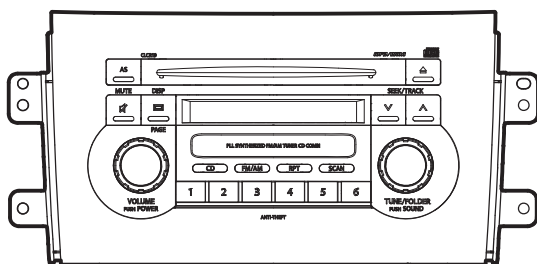


Service Manual



SUZUKI Automobile Genuine AM/FM Tuner CD Combination

Model PS-3143K-A
(Genuine No.39101-80JF0-CZT)
(ID No.CLCR19)

Model PS-3144K-A
(Genuine No.39101-80JH0-CZT)
(ID No.CLCR19)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Original model.

Original model	Manual No.
PS-3103D-A	298-6591-00

DIFFERENCE FROM ORIGINAL MODEL

1. Deletion of clock function
2. Escutcheon section

SPECIFICATIONS

Radio section

Tuning system:	PLL Frequency synthesizer system
Receive range:	PS-3143K-A
	AM 531kHz to 1629kHz (9kHz step)
	FM 87.5MHz to 108.0MHz (100kHz step)
	PS-3144K-A
	AM 530kHz to 1710kHz (10kHz step)
	FM 87.75MHz to 107.9MHz (200kHz step)
Intermediate frequency:	AM 1st 10.71 +0.2/-0.2MHz 2nd 450 +3/-3kHz
	FM 10.7 +0.2/-0.2MHz

Quieting sensitivity:	AM	Less than 39dBu (at 20dB S/N)
	FM	Less than 15dBu (at 30dB S/N)

Auto tuning stop sensitivity:	AM	42 +6/-6dBu
	FM	24 +6/-6dBu

FM separation:	More than 20dB
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CD section

Disc:	12cm Disc
Separation:	More than 55dB
S/N ratio:	More than 70dB(JIS-A)
Distortion:	Less than 0.3%(20kHz-LPF)

MP3/WMA section

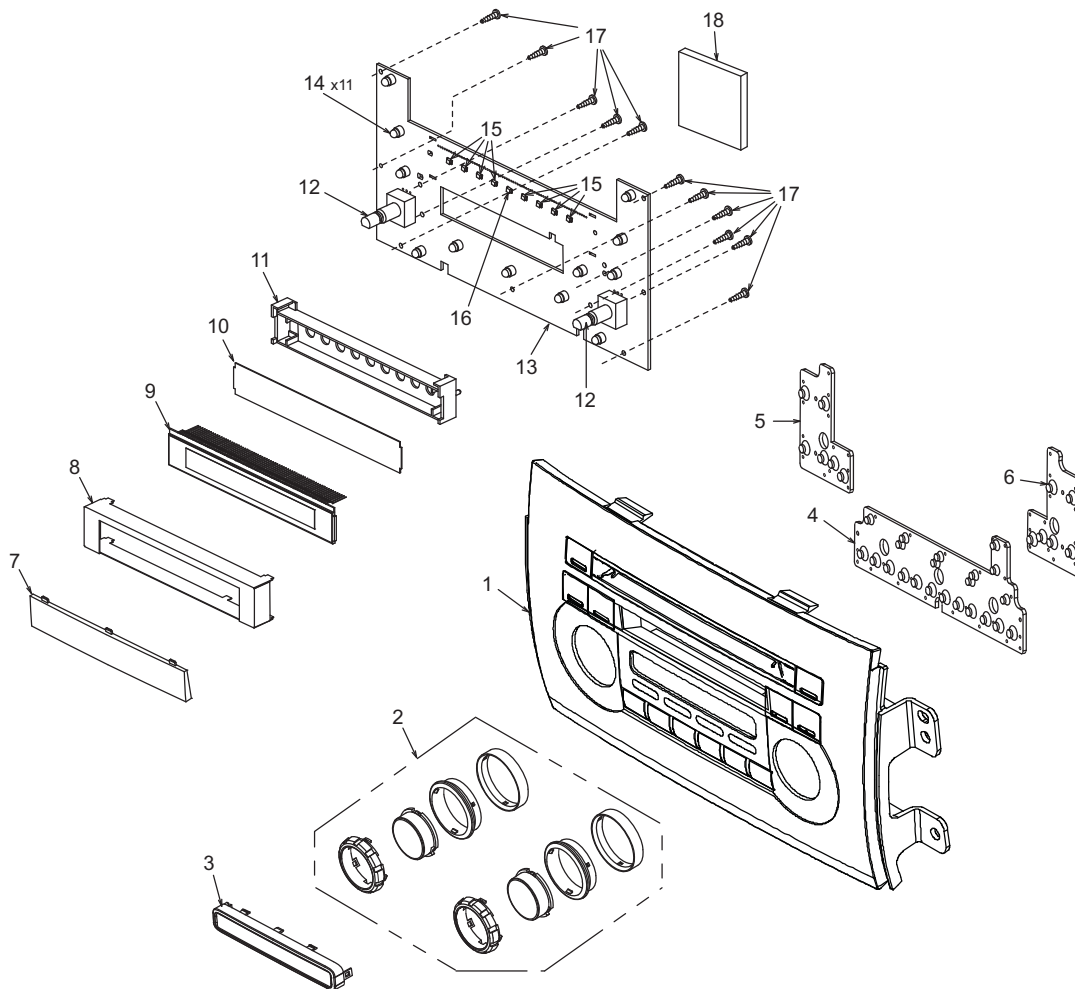
MP3 sampling rate:	11.025kHz to 48kHz
MP3 bit rate:	8kbps to 320kbps/VBR
WMA bit rate:	48kbps to 192kbps
Logical format:	ISO9660 level 1,2 JOLIET or Romeo

General

Rated voltage:	DC 13.2V
Quieting output:	More than 35W x 4 (10% Dist.) More than 23W x 4 (Max Output)
Back-up consumption:	Less than 5mA
Dimensions(mm):	178(W)x100(H)x143.2(D)
Weight:	1.8kg

EXPLODED VIEW / PARTS LIST

Escutcheon section



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8120-53	ESCUTCHEON-ASSY	1
2	947-0602-00	KNOB-ASSY	2
3	335-7356-00	MD-COVER	1
4	345-5589-00	RUBBER SW(C)	1
5	345-5590-00	RUBBER SW(L)	1
6	345-5591-00	RUBBER SW(R)	1
7	371-5854-00	DIAL COVER	1
8	331-4264-00	LCD COVER	1
9	379-1362-51	INDICATOR(LCD)	1

NO.	PART NO.	DESCRIPTION	Q'TY
10	335-7929-00	FILTER	1
11	335-7705-00	LCD HOLDER	1
12	016-0014-12	VR W/SHAFT	2
13	-----	SWITCH PWB	1
14	017-0420-43	PILOT LAMP	11
15	001-7094-91	LED: VFR1112H-TR(RED)	8
16	001-7087-90	LED: RBR1112H C,D,E(RED)	1
17	716-0778-51	WAVE SCREW(2 x 6)	11
18	345-6006-00	PROTECTOR	1

Main section : Difference parts

Refer to page 6 of the original service manual.

The following parts are difference parts.

Some parts depend on each model. The model name is specified in the description.

NO.	PART NO.	DESCRIPTION	Q'TY
16	311-1919-75	LOWER CASE	1
17	309-0819-01	ES PLATE	1
21	310-1826-00	UPPER CASE	1

NO.	PART NO.	DESCRIPTION	Q'TY
22	276-0273-33 276-0273-34	SETPLATE(PS3143KA) SETPLATE(PS3144KA)	1
28	716-0878-50	IT SCREW(M2.6 x 5)	2

ELECTRICAL PARTS LIST

Main PWB(B1) section

Refer to the original service manual, page 7 to 8.

The following parts are difference parts.

* mark: the difference parts of PN-3143K-A, PN-3144K-A

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C125	166-1501-50	15pF CH (additional parts)	R569	119-4731-15	1/10W 47k ohm (additional parts)	R903*	119-0000-05	1/10W 0 ohm JW (additional parts)
D771	001-0347-43	MA4082L (difference parts)	R570	-----	(removal parts)			: used only
D772	001-0347-30	MA4051H (difference parts)	R573*	119-4731-15	1/10W 47k ohm (additional parts)			PS3144KA
L121	010-6009-76	22uH J (additional parts)			: used only	R905	-----	(removal parts)
L122	-----	(removal parts)	R574*	119-4731-15	1/10W 47k ohm : used only	R909*	119-0000-05	1/10W 0 ohm JW (additional parts)
R126	-----	(removal parts)			PS3143KA			: used only
R129	-----	(removal parts)	R901*	119-0000-05	1/10W 0 ohm JW (additional parts)	TC121	-----	PS3143KA (removal parts)
R401	119-2231-15	1/10W 22k ohm (difference parts)			: used only			
R403	119-2231-15	1/10W 22k ohm (difference parts)	R902	-----	PS3144KA (removal parts)			

Switch PWB(B2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C100	168-1042-78	16V 0.1uF	PL101	017-0420-43	14V 40mA RED	R114	119-7511-15	1/10W 750 ohm
C101	168-1042-78	16V 0.1uF	PL102	017-0420-43	14V 40mA RED	R116	119-0000-05	1/10W 0 ohm JW
C102	168-1042-78	16V 0.1uF	PL104	017-0420-43	14V 40mA RED	R117	119-0000-05	1/10W 0 ohm JW
C103	168-1042-78	16V 0.1uF	PL105	017-0420-43	14V 40mA RED	R119	119-0000-05	1/10W 0 ohm JW
C104	168-1042-78	16V 0.1uF	PL106	017-0420-43	14V 40mA RED	R120	119-0000-05	1/10W 0 ohm JW
C105	178-1052-78	1uF	PL107	017-0420-43	14V 40mA RED	R121	119-4341-15	1/10W 430k ohm
D100	001-7094-91	VFR1112H-TR	PL108	017-0420-43	14V 40mA RED	R125	119-0000-05	1/10W 0 ohm JW
D101	001-7094-91	VFR1112H-TR	PL109	017-0420-43	14V 40mA RED	R126	119-0000-05	1/10W 0 ohm JW
D102	001-7094-91	VFR1112H-TR	PL110	017-0420-43	14V 40mA RED	R128	119-1021-15	1/10W 1k ohm
D103	001-7094-91	VFR1112H-TR	PL111	017-0420-43	14V 40mA RED	R129	119-1021-15	1/10W 1k ohm
D104	001-7087-90	RBR1112H C,D,E RED	R100	119-5611-15	1/10W 560 ohm	R131	119-0000-05	1/10W 0 ohm JW
D105	001-7094-91	VFR1112H-TR	R101	119-4711-15	1/10W 470 ohm	R132	119-0000-05	1/10W 0 ohm JW
D106	001-7094-91	VFR1112H-TR	R102	119-4711-15	1/10W 470 ohm	R140	119-0000-05	1/10W 0 ohm JW
D107	001-7094-91	VFR1112H-TR	R103	119-5611-15	1/10W 560 ohm	R200	119-1841-15	1/10W 180k ohm
D108	001-7094-91	VFR1112H-TR	R104	119-4711-15	1/10W 470 ohm	R201	119-1841-15	1/10W 180k ohm
D113	001-0580-90	1SS352	R105	119-4711-15	1/10W 470 ohm	R202	119-1841-15	1/10W 180k ohm
D114	001-0580-90	1SS352	R106	119-5611-15	1/10W 560 ohm	R203	119-1841-15	1/10W 180k ohm
D115	001-0580-90	1SS352	R107	119-4711-15	1/10W 470 ohm	TH100	002-0306-90	SC20-3J153
D116	001-0580-90	1SS352	R108	119-4711-15	1/10W 470 ohm	TM100	073-0778-90	TERMINAL
IC100	051-6084-00	NJU6625FG1-03	R109	119-5611-15	1/10W 560 ohm	VR100	016-0014-12	VR W/SHAFT
J100	074-3013-74	24P	R110	119-4711-15	1/10W 470 ohm	VR101	016-0014-12	VR W/SHAFT
L100	010-3406-66	22uH J	R111	119-4711-15	1/10W 470 ohm	PWB	039-3290-00	PWB(WITHOUT COMPONENT)
PL100	017-0420-43	14V 40mA RED	R112	119-8211-15	1/10W 820 ohm			
			R113	119-8211-15	1/10W 820 ohm			