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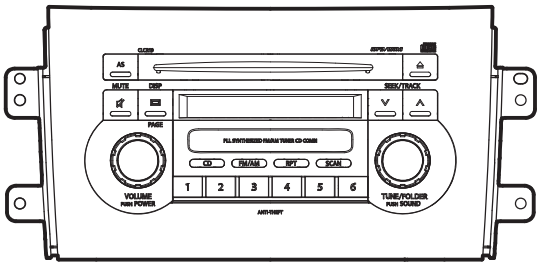
Service Manual



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 Frequeency 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

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

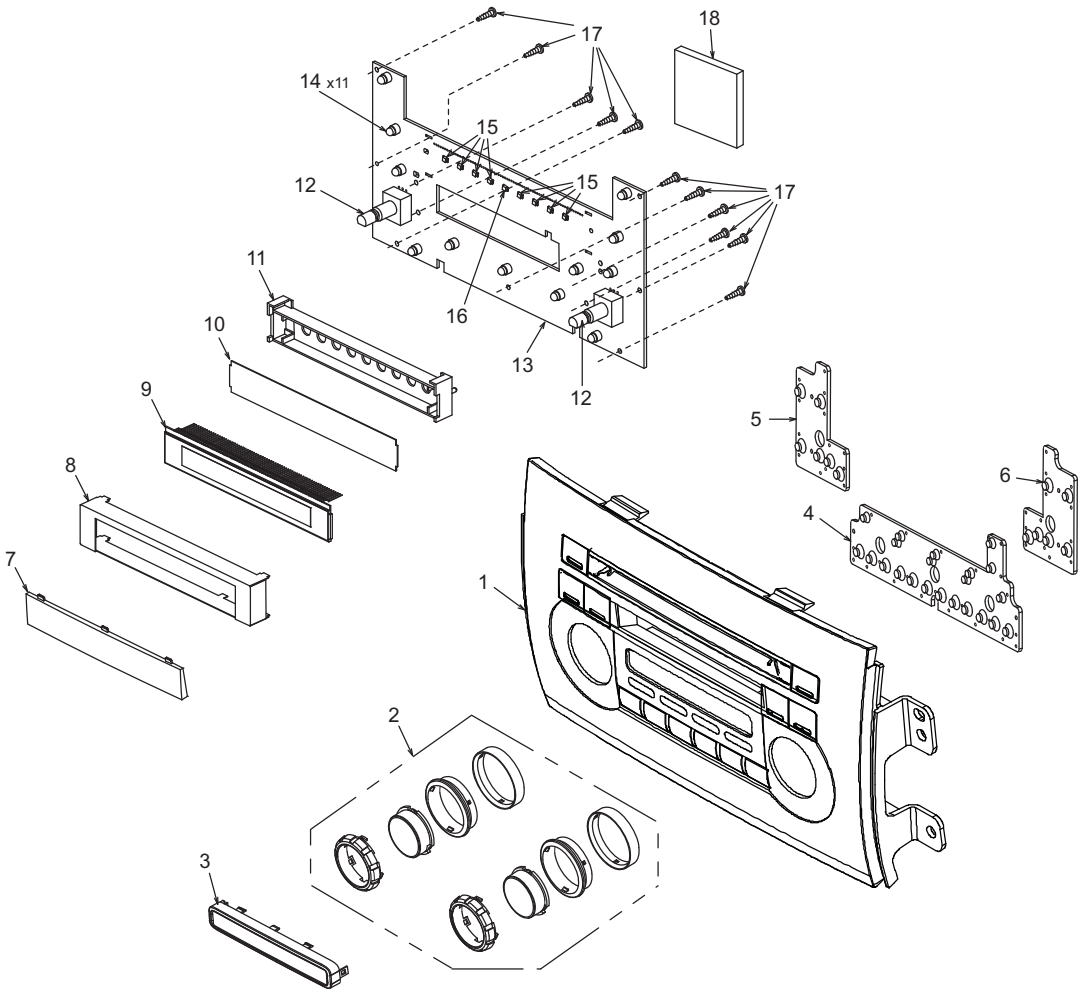
MP3 sampling rate: 11.025kHz to 48kHz
MP3 bit rate: 8kbps to 320kbps/VBR
WMA bit rate: 48kbps to 192kbps
Logical format: ISO9660 level 1,2
JOLIET or Romeo

General

Rated voltage: DC 13.2V
Quiting 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	PILOTLAMP	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
C125	166-1501-50	15pF CH (additional parts)
D771	001-0347-43	MA4082L (difference parts)
D772	001-0347-30	MA4051H (difference parts)
L121	010-6009-76	22uH J (additional parts)
L122	----------	(removal parts)
R126	----------	(removal parts)
R129	----------	(removal parts)
R401	119-2231-15	1/10W 22k ohm (difference parts)
R403	119-2231-15	1/10W 22k ohm (difference parts)

REF No.	PART No.	DESCRIPTION
R569	119-4731-15	1/10W 47k ohm (additional parts)
R570	----------	(removal parts)
R573*	119-4731-15	1/10W 47k ohm (additional parts) : used only PS3144KA
R574*	119-4731-15	1/10W 47k ohm : used only PS3143KA
R901*	119-0000-05	1/10W 0 ohm JW (additional parts) : used only PS3144KA
R902	----------	(removal parts)

REF No.	PART No.	DESCRIPTION
R903*	119-0000-05	1/10W 0 ohm JW (additional parts) : used only PS3144KA
R905	----------	(removal parts)
R909*	119-0000-05	1/10W 0 ohm JW (additional parts) : used only PS3143KA
TC121	----------	(removal parts)

Switch PWB(B2) section

REF No.	PART No.	DESCRIPTION
C100	168-1042-78	16V 0.1uF
C101	168-1042-78	16V 0.1uF
C102	168-1042-78	16V 0.1uF
C103	168-1042-78	16V 0.1uF
C104	168-1042-78	16V 0.1uF
C105	178-1052-78	1uF
D100	001-7094-91	VFR1112H-TR
D101	001-7094-91	VFR1112H-TR
D102	001-7094-91	VFR1112H-TR
D103	001-7094-91	VFR1112H-TR
D104	001-7087-90	RBR1112H C,D,E RED
D105	001-7094-91	VFR1112H-TR
D106	001-7094-91	VFR1112H-TR
D107	001-7094-91	VFR1112H-TR
D108	001-7094-91	VFR1112H-TR
D113	001-0580-90	1SS352
D114	001-0580-90	1SS352
D115	001-0580-90	1SS352
D116	001-0580-90	1SS352
IC100	051-6084-00	NJU6625FG1-03
J100	074-3013-74	24P
L100	010-3406-66	22uH J
PL100	017-0420-43	14V 40mA RED

REF No.	PART No.	DESCRIPTION
PL101	017-0420-43	14V 40mA RED
PL102	017-0420-43	14V 40mA RED
PL104	017-0420-43	14V 40mA RED
PL105	017-0420-43	14V 40mA RED
PL106	017-0420-43	14V 40mA RED
PL107	017-0420-43	14V 40mA RED
PL108	017-0420-43	14V 40mA RED
PL109	017-0420-43	14V 40mA RED
PL110	017-0420-43	14V 40mA RED
PL111	017-0420-43	14V 40mA RED
R100	119-5611-15	1/10W 560 ohm
R101	119-4711-15	1/10W 470 ohm
R102	119-4711-15	1/10W 470 ohm
R103	119-5611-15	1/10W 560 ohm
R104	119-4711-15	1/10W 470 ohm
R105	119-4711-15	1/10W 470 ohm
R106	119-5611-15	1/10W 560 ohm
R107	119-4711-15	1/10W 470 ohm
R108	119-4711-15	1/10W 470 ohm
R109	119-5611-15	1/10W 560 ohm
R110	119-4711-15	1/10W 470 ohm
R111	119-4711-15	1/10W 470 ohm
R112	119-8211-15	1/10W 820 ohm
R113	119-8211-15	1/10W 820 ohm

REF No.	PART No.	DESCRIPTION
R114	119-7511-15	1/10W 750 ohm
R116	119-0000-05	1/10W 0 ohm JW
R117	119-0000-05	1/10W 0 ohm JW
R119	119-0000-05	1/10W 0 ohm JW
R120	119-0000-05	1/10W 0 ohm JW
R121	119-4341-15	1/10W 430k ohm
R125	119-0000-05	1/10W 0 ohm JW
R126	119-0000-05	1/10W 0 ohm JW
R128	119-1021-15	1/10W 1k ohm
R129	119-1021-15	1/10W 1k ohm
R131	119-0000-05	1/10W 0 ohm JW
R132	119-0000-05	1/10W 0 ohm JW
R140	119-0000-05	1/10W 0 ohm JW
R200	119-1841-15	1/10W 180k ohm
R201	119-1841-15	1/10W 180k ohm
R202	119-1841-15	1/10W 180k ohm
R203	119-1841-15	1/10W 180k ohm
TH100	002-0306-90	SC20-3J153
TM100	073-0778-90	TERMINAL
VR100	016-0014-12	VR W/SHAFT
VR101	016-0014-12	VR W/SHAFT
PWB	039-3290-00	PWB(WITHOUT COMPONENT)