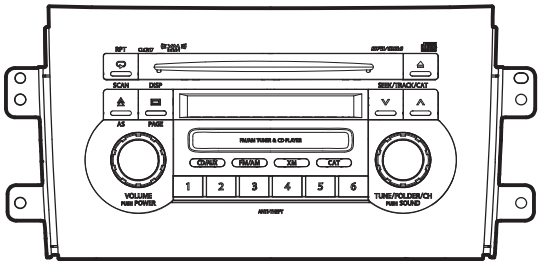
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Service Manual



SUZUKI Automobile Genuine
AM/FM Tuner CD Combination

Model PS-3138K-A
(Genuine No.39101-80JD0-CZT)
(ID No.CLCR17)

ORIGINAL SERVICE MANUAL

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

Original model	Manual No.
PS-3099D-A	298-6588-00

DIFFERENCE FROM ORIGINAL MODEL

1. Deletion of clock function
2. Escutcheon section

SPECIFICATIONS

Radio section

Tuning system:	PLL Frequeency synthesizer system
Receive range:	AM 530kHz to 1710kHz
	FM 87.75MHz to 107.9MHz
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

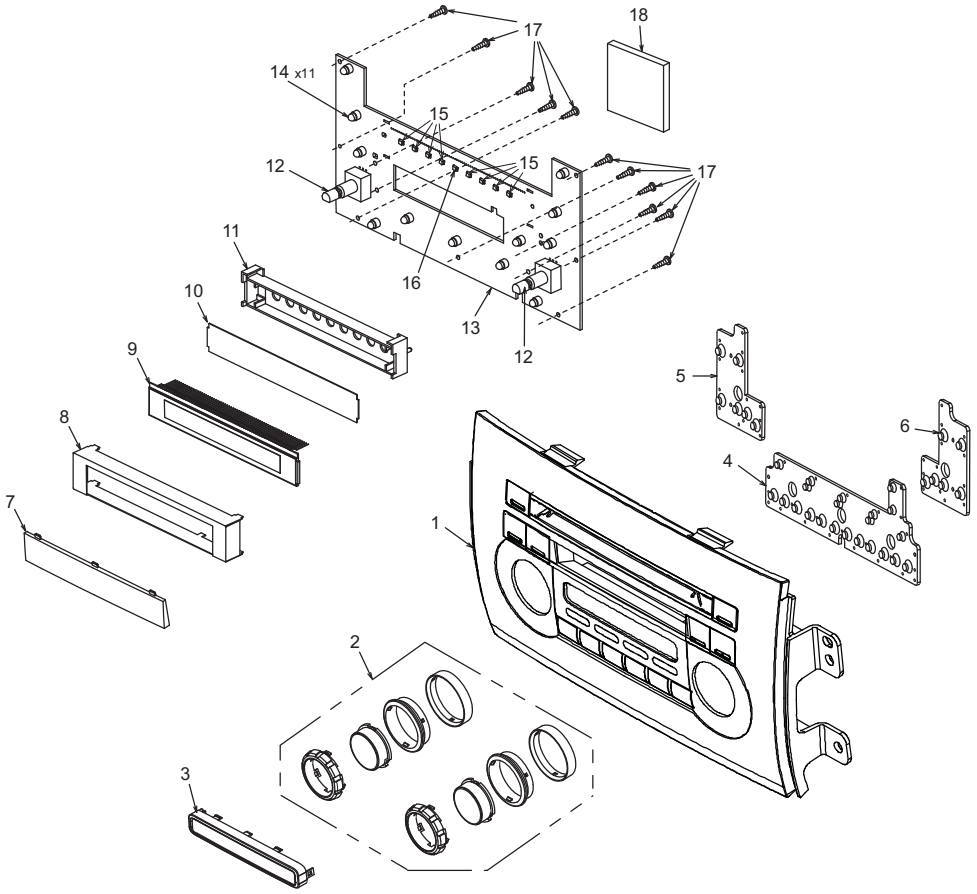
MP3 sampling rate:	11.025kHz to 48kHz
MP3 bit rate:	8kbps to 320kbps/VBR
WMA bit rate:	48kbps to 192kbps
Logical format:	ISO9660 level 1,2
	JOLIET or Romeo

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(D)
Weight:	1.8kg

EXPLODED VIEW / PARTS LIST

Escutcheon section



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8120-33	ESCUTCHEON-ASSY	1
2	947-0602-00	KNOB-ASSY	2
3	335-7356-50	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	371-5854-10	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.

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
22	286-6224-44	SETPLATE	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.

REF No.	PART No.	DESCRIPTION
C125	166-1501-50	15pF CH (additional parts)
D771	001-0347-43	MA4082L (difference parts)
D772	001-0347-25	MA4047L (additional parts)
L121	010-6009-76	22uH J (additional parts)
L122	----------	(removal parts)
Q773	192-4116-51	2SC4116 G,L (additional parts)
Q793	----------	(removal parts)
R109	119-5121-15	1/10W 5.1k ohm (difference parts)
R126	----------	(removal parts)
R129	----------	(removal parts)

REF No.	PART No.	DESCRIPTION
R309	119-1021-15	1/10W 1k ohm (difference parts)
R310	119-1021-15	1/10W 1k ohm (difference parts)
R401	119-2231-15	1/10W 22k ohm (difference parts)
R403	119-2231-15	1/10W 22k ohm (difference parts)
R567	----------	(removal parts)
R568	119-4731-15	1/10W 47k ohm (additional parts)
R571	119-4731-15	1/10W 47k ohm (additional parts)
R572	----------	(removal parts)
R577	----------	(removal parts)
R772	119-2231-15	1/10W 22k ohm (additional parts)

REF No.	PART No.	DESCRIPTION
R774	119-2231-15	1/10W 22k ohm (additional parts)
R781	119-0000-05	1/10W 0 ohm JW (additional parts)
R794	119-1831-15	1/10W 18k ohm (additional parts)
R797	----------	(removal parts)
R798	----------	(removal parts)
R799	----------	(removal parts)
R901	----------	(removal parts)
R902	----------	(removal parts)
R903	----------	(removal parts)
R905	119-0000-05	1/10W 0 ohm JW (additional parts)
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
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
VR103	012-6004-63	470k ohm B VR
PWB	039-3290-00	PWB(WITHOUT COMPONENT)