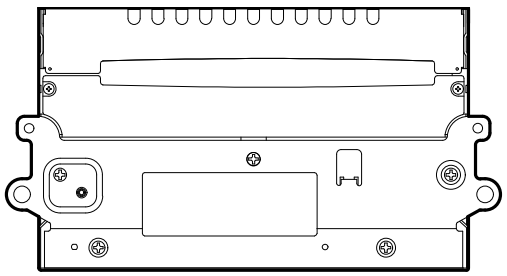
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Service Manual



NISSAN Automobile Genuine
AM/FM Radio,6 CD changer,
Cassette Stereo Module

Model PN-2544E-A
(Genuine No.28188 AM670)

Model PN-2544E-C
(Genuine No.28188 AM675)

Model PN-2545E-A
(Genuine No.28188 AM860)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model PN-2458E/2459E.

Original model	Manual No.
PN-2458E/2459E	298-5993-00

SPECIFICATIONS

Tuner section

Tuning system:	PLL synthesizer	
Receive frequency:	AM	530kHz to 1,710kHz
	FM	87.9MHz to 107.9MHz
Intermediate frequency:		
	AM	450kHz
	FM	10.7MHz
Quieting sensitivity:	AM	Less than 38dBu
	FM	Less than 15dBu
Separation:	FM	22 +5/ -7dB(1kHz)
S/N ratio:	AM	More than 45dB
	FM	More than 50dB
Auto stop sensitivity(DX):		
	AM	39 +6/-6dBu(1000kHz)
	FM	32 +6/-6dBu

Cassette tape player section

Reproduction syatem:	4track,2channel,stereo auto reverse system
Tape speed:	4.76cm/sec.
Wow & flutter:	Less than 0.15 %(W.R.M.S)
Separation:	More than 35dB
Crosstalk:	More than 45dB
S/N ratio:	normal(120 u sec.) More than 55dB(DOLBY B NR on) More than 45dB(DOLBY B NR off) chrome(70u sec.) More than 57dB(DOLBY B NR on) More than 47dB(DOLBY B NR off)
FF/REW time:	110sec.(C-60)

CD player section

Separation:	More than 50dB(20kHz LPF) (PN-2544E) More than 52dB(20kHz LPF) (PN-2545E)
S/N ratio:	More than 74dB(PN-2544E) More than 80dB(PN-2545E)
Distortion:	Less than 0.4 %(20kHz LPF) (PN-2544E) Less than 0.2%(20kHz LPF) (PN-2545E)

General section

Load impedance:	4 ohm/4ch(PN-2544E) 300 ohm/4ch(PN-2545E)
Power output:	40W x4(PN-2544E) 6V x4(PN-2545E)
Power supply voltage:	DC 13.2V(PN-2544E) DC 14.4V(PN-2545E)
Back up current:	Less than 0.5mA
Dimensions(mm):	180(W) x110(H) x162(D)
Weight:	approx.3.5kg

DIFFERENCE FROM ORIGINAL MODEL EXPLODED VIEW • PARTS LIST

Main section : PN-2544E-A/E-C/PN-2545E-A

NO.	PART NO.	DESCRIPTION	Q'TY
29	286-9526-06 286-9526-07 286-9526-08	SETPLATE(PN-2544E-A) SETPLATE(PN-2544E-C) SETPLATE(PN-2545E-A)	1

Other parts of PN-2544E/2545E are the same as PN-2458E/2459E.

DIFFERENCE ELECTRICAL PARTS LIST

PN-2544E-A/E-C Main PWB(B1) section

(DIFFERENCE FROM PN-2458E-A)

Removed the follwing parts in the parts list.(page 13)

REF No.	PART No.	DESCRIPTION
C301	168-4745-79	0.47uF(E-A)
C411	168-4722-55	4700pF(E-A)
C415	166-1011-50	100pF CH(E-A)
C427	168-1042-78	16V 0.1uF(E-A)
C1014	183-1063-39	16V10uF(E-A)
C1015	183-1063-39	16V10uF(E-A)
D470	001-0516-90	MA111(E-A)
D470	001-0517-90	1SS355(E-A)
D471	001-0516-90	MA111(E-A)

REF No.	PART No.	DESCRIPTION
D471	001-0517-90	1SS355(E-A)
Q407	125-2005-91	UN2211(E-A)
Q407	125-2004-92	RN1402(E-A)
Q408	125-0006-90	UN2110(E-A)
Q408	125-0019-93	DTA144TK(E-A)
Q1003	192-2712-00	2SC2712
Q1003	192-2412-00	2SC2412
R424	119-1831-15	1/16W 18k ohm(E-A)
R426	119-2231-15	1/16W 22k ohm(E-A)

REF No.	PART No.	DESCRIPTION
R439	032-0092-99	1/10W 47k ohm 1%(E-A)
R446	032-0092-99	1/10W 47k ohm 1%(E-A)
R450	032-0140-84	1/16W 7.5kohm(E-A)
R451	032-0140-84	1/16W 7.5kohm(E-A)
R466	119-6821-15	1/16W 6.8kohm(E-A)
R1003	119-3011-15	1/16W 300 ohm

Difference the follwing parts in the parts list.(page 13)

PN-2544E

REF No.	PART No.	DESCRIPTION
C413	119-0000-05	1/16W 0 ohm
D1003	001-0529-44	MA8082-M
IC404	052-3161-13	M30624MGA-122GP
Q1003	193-0601-00	2SD601

Original model(PN-2458E)

REF No.	PART No.	DESCRIPTION
C413	166-1011-50	100pF CH(E-A)
D1003	001-0529-44	MA8082-M
IC404	052-3172-00	M30624MGA-E43GP
Q1003	192-2712-00	2SC2712
Q1003	192-2412-00	2SC2412

PN-2545E-A Main PWB(B1) section

(DIFFERENCE FROM PN-2459E-A)

Removed the follwing parts in the parts list.(page 16)

REF No.	PART No.	DESCRIPTION
C301	178-4742-78	0.47 uF
C302	178-4742-78	0.47 uF
C303	178-4742-78	0.47 uF
C305	042-0416-59	10V33 uF
C411	168-6822-55	6800pF
C415	166-1011-50	100pF CH
C427	168-1042-78	16V 0.1 uF
C1014	183-1063-39	16V10 uF
C1015	183-1063-39	16V10 uF
D403	001-0516-90	MA111
D403	001-0517-90	1SS355
D404	001-0516-90	MA111
D404	001-0517-90	1SS355

REF No.	PART No.	DESCRIPTION
IC301	051-0267-08	TC4066BF
IC301	051-0267-38	MC14066BF
Q301	125-2005-91	UN2211
Q301	125-2004-92	RN1402
Q302	125-2005-91	UN2211
Q302	125-2004-92	RN1402
Q407	125-2005-91	UN2211
Q407	125-2004-92	RN1402
Q408	125-0006-90	UN2110
Q408	125-0019-93	DTA144TK
R301	119-1541-15	1/16W 150k ohm
R302	119-1541-15	1/16W 150k ohm
R305	119-1541-15	1/16W 150k ohm

REF No.	PART No.	DESCRIPTION
R306	119-1541-15	1/16W 150k ohm
R307	119-1541-15	1/16W 150k ohm
R308	119-4731-15	1/16W 47k ohm
R309	119-4721-15	1/16W 4.7k ohm
R418	119-1021-15	1/16W 1k ohm
R424	119-0000-05	1/16W 0 ohm JW
R426	119-1531-15	1/16W 15k ohm
R446	032-0092-99	1/10W 47k ohm 1%
R450	032-0140-57	1/16W 5.6k ohm 1%
R451	032-0140-57	1/16W 5.6k ohm 1%
R466	119-6821-15	1/16W 6.8k ohm
R470	119-1031-15	1/16W 10k ohm
R1023	119-3011-15	1/16W 300 ohm

Difference the follwing parts in the parts list.(page 16)

PN-2545E

REF No.	PART No.	DESCRIPTION
C413	119-0000-05	1/16W 0 ohm JW
IC404	052-3162-11	M30624MGA-123GP

Original model(PN2459E)

REF No.	PART No.	DESCRIPTION
C413	166-1011-50	100pF CH
IC404	052-3173-00	M30624MGA-E44GP

Add the follwing parts in the parts list.(page 16)

REF No.	PART No.	DESCRIPTION
R303	119-0000-05	1/16W 0 ohm JW

REF No.	PART No.	DESCRIPTION
R304	119-0000-05	1/16W 0 ohm M JW

Other parts of PN-2545E are the same as PN-2459E.

DIFFERENCE ELECTRICAL PARTS LIST

Main PWB-C(B1) section

Difference the follwing parts PN-2544E-A/PN-2544E-C.

PN-2544E-A

REF No.	PART No.	DESCRIPTION
C813	168-2222-55	2200pF
C814	168-2222-55	2200pF
C815	168-8222-55	8200pF
C816	168-8222-55	8200pF
C821	178-3942-78	0.39uF
C822	178-3942-78	0.39uF
C823	178-3942-78	0.39uF
C824	178-3942-78	0.39uF
C825	043-0309-91	10V 0.82uF
C826	043-0309-91	10V 0.82uF
C827	166-2201-50	22pF CH
C828	166-2201-50	22pF CH
C829	166-2201-50	22pF CH
C830	166-2201-50	22pF CH
C831	168-2232-55	0.022uF
C832	168-2232-55	0.022uF
C833	168-1232-55	0.012uF
C834	168-1232-55	0.012uF
C835	168-1232-55	0.012uF
C836	168-1232-55	0.012uF
C838	178-2742-78	0.27uF
C839	178-2742-78	0.27uF
C842	178-1542-78	0.15uF
C843	178-1542-78	0.15uF
C850	166-2201-50	22pF CH
C851	166-2201-50	22pF CH
C853	168-8222-55	8200pF
C854	168-2232-55	0.022uF
C855	168-2232-55	0.022uF
C856	168-8222-55	8200pF
C857	168-3932-78	16V 0.039uF
C858	178-3942-78	0.39uF
C859	178-3942-78	0.39uF
C860	168-3932-78	16V 0.039uF
C868	168-8232-78	16V 0.082uF
C869	168-8232-78	16V 0.082uF
C870	168-4732-78	16V 0.047uF
C871	168-4732-78	16V 0.047uF
C873	168-8232-78	16V 0.082uF
C874	168-4732-78	16V 0.047uF
C881	168-8232-78	16V 0.082uF
C882	168-4732-78	16V 0.047uF
IC404	052-3161-13	M30624MGA-122GP
IC802	051-3019-90	NJM2060V
R805	119-1631-15	1/16W 16k ohm
R806	119-1631-15	1/16W 16k ohm
R807	119-2031-15	1/16W 20k ohm
R808	119-2031-15	1/16W 20k ohm
R817	119-1831-15	1/16W 18k ohm
R818	119-1831-15	1/16W 18k ohm
R819	119-7521-15	1/16W 7.5k ohm
R820	119-7521-15	1/16W 7.5k ohm
R833	119-3621-15	1/16W 3.6k ohm
R834	119-3621-15	1/16W 3.6k ohm
R837	119-5611-15	1/16W 560 ohm
R838	119-5611-15	1/16W 560 ohm
R839	119-4731-15	1/16W 47k ohm
R840	119-4731-15	1/16W 47k ohm
R841	119-4731-15	1/16W 47k ohm
R842	119-4731-15	1/16W 47k ohm
R843	119-5611-15	1/16W 560 ohm
R844	119-5611-15	1/16W 560 ohm
R845	119-3321-15	1/16W 3.3k ohm
R846	119-3321-15	1/16W 3.3k ohm
R849	119-3621-15	1/16W 3.6k ohm
R850	119-2021-15	1/16W 2k ohm
R851	119-2021-15	1/16W 2k ohm
R852	119-3621-15	1/16W 3.6k ohm

PN-2544E-C

REF No.	PART No.	DESCRIPTION
C813	-------	NO-USED
C814	-------	NO-USED
C815	-------	NO-USED
C816	-------	NO-USED
C821	-------	NO-USED
C822	-------	NO-USED
C823	-------	NO-USED
C824	-------	NO-USED
C825	-------	NO-USED
C826	-------	NO-USED
C827	-------	NO-USED
C828	-------	NO-USED
C829	-------	NO-USED
C830	-------	NO-USED
C831	-------	NO-USED
C832	-------	NO-USED
C833	-------	NO-USED
C834	-------	NO-USED
C835	-------	NO-USED
C836	-------	NO-USED
C838	178-5642-78	0.56uF
C839	178-5642-78	0.56uF
C842	178-6832-78	0.068uF
C843	178-6832-78	0.068uF
C850	-------	NO-USED
C851	-------	NO-USED
C853	168-4732-78	16V 0.047uF
C854	-------	NO-USED
C855	-------	NO-USED
C856	168-4732-78	16V 0.047uF
C857	168-1032-55	0.01uF
C858	-------	NO-USED
C859	-------	NO-USED
C860	168-1032-55	0.01uF
C868	168-6832-78	16V 0.068uF
C869	168-6832-78	16V 0.068uF
C870	168-5632-78	16V 0.056uF
C871	168-5632-78	16V 0.056uF
C873	168-6832-78	16V 0.068uF
C874	168-5632-78	16V 0.056uF
C881	168-6832-78	16V 0.068uF
C882	168-5632-78	16V 0.056uF
IC404	052-3161-13	M30624MGA-122GP
IC802	-------	NO-USED
R805	119-2231-15	1/16W 22k ohm
R806	119-2231-15	1/16W 22k ohm
R807	119-1531-15	1/16W 15k ohm
R808	119-1531-15	1/16W 15k ohm
R817	-------	NO-USED
R818	-------	NO-USED
R819	-------	NO-USED
R820	-------	NO-USED
R833	-------	NO-USED
R834	-------	NO-USED
R837	-------	NO-USED
R838	-------	NO-USED
R839	-------	NO-USED
R840	-------	NO-USED
R841	-------	NO-USED
R842	-------	NO-USED
R843	-------	NO-USED
R844	-------	NO-USED
R845	-------	NO-USED
R846	-------	NO-USED
R849	119-3321-15	1/16W 3.3k ohm
R850	119-1821-15	1/16W 1.8k ohm
R851	119-1821-15	1/16W 1.8k ohm
R852	119-3321-15	1/16W 3.3k ohm

REF No.	PART No.	DESCRIPTION
R862	119-1541-15	1/16W 150k ohm
R863	119-1541-15	1/16W 150k ohm
R866	119-1511-15	1/16W 150 ohm
R867	119-1511-15	1/16W 150 ohm
R869	119-2221-15	1/16W 2.2k ohm
R870	119-9111-15	1/16W 910 ohm
R871	119-9111-15	1/16W 910 ohm
R872	119-2221-15	1/16W 2.2k ohm
R876	119-5131-15	1/16W 51k ohm
R877	119-5131-15	1/16W 51k ohm
R879	119-7521-15	1/16W 7.5k ohm
R880	119-7521-15	1/16W 7.5k ohm
R891	119-7521-15	1/16W 7.5k ohm
R892	119-7521-15	1/16W 7.5k ohm
R894	119-5131-15	1/16W 51k ohm
R895	119-5131-15	1/16W 51k ohm

REF No.	PART No.	DESCRIPTION
R862	-------	NO-USED
R863	-------	NO-USED
R866	-------	NO-USED
R867	-------	NO-USED
R869	119-4721-15	1/16W 4.7k ohm
R870	-------	NO-USED
R871	-------	NO-USED
R872	119-4721-15	1/16W 4.7k ohm
R876	119-4731-15	1/16W 47k ohm
R877	119-4731-15	1/16W 47k ohm
R879	119-8221-15	1/16W 8.2k ohm
R880	119-8221-15	1/16W 8.2k ohm
R891	119-8221-15	1/16W 8.2k ohm
R892	119-8221-15	1/16W 8.2k ohm
R894	119-4731-15	1/16W 47k ohm
R895	119-4731-15	1/16W 47k ohm

Other parts of PN-2544E-C are the same as PN-2458E-A/PN-2544E-A.