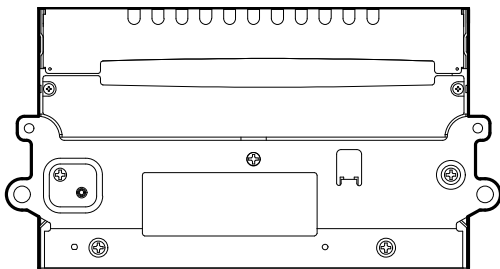


Service Manual



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 system: 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) x 110(H) x 162(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 following parts in the parts list.(page 13)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C301	168-4745-79	0.47uF(E-A)	D471	001-0517-90	1SS355(E-A)	R439	032-0092-99	1/10W 47k ohm
C411	168-4722-55	4700pF(E-A)	Q407	125-2005-91	UN2211(E-A)			1%(E-A)
C415	166-1011-50	100pF CH(E-A)	Q407	125-2004-92	RN1402(E-A)	R446	032-0092-99	1/10W 47k ohm
C427	168-1042-78	16V 0.1uF(E-A)	Q408	125-0006-90	UN2110(E-A)			1%(E-A)
C1014	183-1063-39	16V10uF(E-A)	Q408	125-0019-93	DTA144TK(E-A)	R450	032-0140-84	1/16W 7.5kohm(E-A)
C1015	183-1063-39	16V10uF(E-A)	Q1003	192-2712-00	2SC2712	R451	032-0140-84	1/16W 7.5kohm(E-A)
D470	001-0516-90	MA111(E-A)	Q1003	192-2412-00	2SC2412	R466	119-6821-15	1/16W 6.8kohm(E-A)
D470	001-0517-90	1SS355(E-A)	R424	119-1831-15	1/16W 18k ohm(E-A)	R1003	119-3011-15	1/16W 300 ohm
D471	001-0516-90	MA111(E-A)	R426	119-2231-15	1/16W 22k ohm(E-A)			

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

PN-2544E

Original model(PN-2458E)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C413	119-0000-05	1/16W 0 ohm	C413	166-1011-50	100pF CH(E-A)
D1003	001-0529-44	MA8082-M	D1003	001-0529-44	MA8082-M
IC404	052-3161-13	M30624MGA-122GP	IC404	052-3172-00	M30624MGA-E43GP
Q1003	193-0601-00	2SD601	Q1003	192-2712-00	2SC2712
			Q1003	192-2412-00	2SC2412

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

(DIFFERENCE FROM PN-2459E-A)

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

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C301	178-4742-78	0.47 uF	IC301	051-0267-08	TC4066BF	R306	119-1541-15	1/16W 150k ohm
C302	178-4742-78	0.47 uF	IC301	051-0267-38	MC14066BF	R307	119-1541-15	1/16W 150k ohm
C303	178-4742-78	0.47 uF	Q301	125-2005-91	UN2211	R308	119-4731-15	1/16W 47k ohm
C305	042-0416-59	10V33 uF	Q301	125-2004-92	RN1402	R309	119-4721-15	1/16W 4.7k ohm
C411	168-6822-55	6800pF	Q302	125-2005-91	UN2211	R418	119-1021-15	1/16W 1k ohm
C415	166-1011-50	100pF CH	Q302	125-2004-92	RN1402	R424	119-0000-05	1/16W 0 ohm JW
C427	168-1042-78	16V 0.1 uF	Q407	125-2005-91	UN2211	R426	119-1531-15	1/16W 15k ohm
C1014	183-1063-39	16V10 uF	Q407	125-2004-92	RN1402	R446	032-0092-99	1/10W 47k ohm 1%
C1015	183-1063-39	16V10 uF	Q408	125-0006-90	UN2110	R450	032-0140-57	1/16W 5.6k ohm 1%
D403	001-0516-90	MA111	Q408	125-0019-93	DTA144TK	R451	032-0140-57	1/16W 5.6k ohm 1%
D403	001-0517-90	1SS355	R301	119-1541-15	1/16W 150k ohm	R466	119-6821-15	1/16W 6.8k ohm
D404	001-0516-90	MA111	R302	119-1541-15	1/16W 150k ohm	R470	119-1031-15	1/16W 10k ohm
D404	001-0517-90	1SS355	R305	119-1541-15	1/16W 150k ohm	R1023	119-3011-15	1/16W 300 ohm

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

PN-2545E

Original model(PN2459E)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C413	119-0000-05	1/16W 0 ohm JW	C413	166-1011-50	100pF CH
IC404	052-3162-11	M30624MGA-123GP	IC404	052-3173-00	M30624MGA-E44GP

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

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R303	119-0000-05	1/16W 0 ohm JW	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 following parts PN-2544E-A/PN-2544E-C.

PN-2544E-A			PN-2544E-C		
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C813	168-2222-55	2200pF	C813	-----	NO-USED
C814	168-2222-55	2200pF	C814	-----	NO-USED
C815	168-8222-55	8200pF	C815	-----	NO-USED
C816	168-8222-55	8200pF	C816	-----	NO-USED
C821	178-3942-78	0.39uF	C821	-----	NO-USED
C822	178-3942-78	0.39uF	C822	-----	NO-USED
C823	178-3942-78	0.39uF	C823	-----	NO-USED
C824	178-3942-78	0.39uF	C824	-----	NO-USED
C825	043-0309-91	10V 0.82uF	C825	-----	NO-USED
C826	043-0309-91	10V 0.82uF	C826	-----	NO-USED
C827	166-2201-50	22pF CH	C827	-----	NO-USED
C828	166-2201-50	22pF CH	C828	-----	NO-USED
C829	166-2201-50	22pF CH	C829	-----	NO-USED
C830	166-2201-50	22pF CH	C830	-----	NO-USED
C831	168-2232-55	0.022uF	C831	-----	NO-USED
C832	168-2232-55	0.022uF	C832	-----	NO-USED
C833	168-1232-55	0.012uF	C833	-----	NO-USED
C834	168-1232-55	0.012uF	C834	-----	NO-USED
C835	168-1232-55	0.012uF	C835	-----	NO-USED
C836	168-1232-55	0.012uF	C836	-----	NO-USED
C838	178-2742-78	0.27uF	C838	178-5642-78	0.56uF
C839	178-2742-78	0.27uF	C839	178-5642-78	0.56uF
C842	178-1542-78	0.15uF	C842	178-6832-78	0.068uF
C843	178-1542-78	0.15uF	C843	178-6832-78	0.068uF
C850	166-2201-50	22pF CH	C850	-----	NO-USED
C851	166-2201-50	22pF CH	C851	-----	NO-USED
C853	168-8222-55	8200pF	C853	168-4732-78	16V 0.047uF
C854	168-2232-55	0.022uF	C854	-----	NO-USED
C855	168-2232-55	0.022uF	C855	-----	NO-USED
C856	168-8222-55	8200pF	C856	168-4732-78	16V 0.047uF
C857	168-3932-78	16V 0.039uF	C857	168-1032-55	0.01uF
C858	178-3942-78	0.39uF	C858	-----	NO-USED
C859	178-3942-78	0.39uF	C859	-----	NO-USED
C860	168-3932-78	16V 0.039uF	C860	168-1032-55	0.01uF
C868	168-8232-78	16V 0.082uF	C868	168-6832-78	16V 0.068uF
C869	168-8232-78	16V 0.082uF	C869	168-6832-78	16V 0.068uF
C870	168-4732-78	16V 0.047uF	C870	168-5632-78	16V 0.056uF
C871	168-4732-78	16V 0.047uF	C871	168-5632-78	16V 0.056uF
C873	168-8232-78	16V 0.082uF	C873	168-6832-78	16V 0.068uF
C874	168-4732-78	16V 0.047uF	C874	168-5632-78	16V 0.056uF
C881	168-8232-78	16V 0.082uF	C881	168-6832-78	16V 0.068uF
C882	168-4732-78	16V 0.047uF	C882	168-5632-78	16V 0.056uF
IC404	052-3161-13	M30624MGA-122GP	IC404	052-3161-13	M30624MGA-122GP
IC802	051-3019-90	NJM2060V	IC802	-----	NO-USED
R805	119-1631-15	1/16W 16k ohm	R805	119-2231-15	1/16W 22k ohm
R806	119-1631-15	1/16W 16k ohm	R806	119-2231-15	1/16W 22k ohm
R807	119-2031-15	1/16W 20k ohm	R807	119-1531-15	1/16W 15k ohm
R808	119-2031-15	1/16W 20k ohm	R808	119-1531-15	1/16W 15k ohm
R817	119-1831-15	1/16W 18k ohm	R817	-----	NO-USED
R818	119-1831-15	1/16W 18k ohm	R818	-----	NO-USED
R819	119-7521-15	1/16W 7.5k ohm	R819	-----	NO-USED
R820	119-7521-15	1/16W 7.5k ohm	R820	-----	NO-USED
R833	119-3621-15	1/16W 3.6k ohm	R833	-----	NO-USED
R834	119-3621-15	1/16W 3.6k ohm	R834	-----	NO-USED
R837	119-5611-15	1/16W 560 ohm	R837	-----	NO-USED
R838	119-5611-15	1/16W 560 ohm	R838	-----	NO-USED
R839	119-4731-15	1/16W 47k ohm	R839	-----	NO-USED
R840	119-4731-15	1/16W 47k ohm	R840	-----	NO-USED
R841	119-4731-15	1/16W 47k ohm	R841	-----	NO-USED
R842	119-4731-15	1/16W 47k ohm	R842	-----	NO-USED
R843	119-5611-15	1/16W 560 ohm	R843	-----	NO-USED
R844	119-5611-15	1/16W 560 ohm	R844	-----	NO-USED
R845	119-3321-15	1/16W 3.3k ohm	R845	-----	NO-USED
R846	119-3321-15	1/16W 3.3k ohm	R846	-----	NO-USED
R849	119-3621-15	1/16W 3.6k ohm	R849	119-3321-15	1/16W 3.3k ohm
R850	119-2021-15	1/16W 2k ohm	R850	119-1821-15	1/16W 1.8k ohm
R851	119-2021-15	1/16W 2k ohm	R851	119-1821-15	1/16W 1.8k ohm
R852	119-3621-15	1/16W 3.6k ohm	R852	119-3321-15	1/16W 3.3k ohm

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R862	119-1541-15	1/16W 150k ohm	R862	-----	NO-USED
R863	119-1541-15	1/16W 150k ohm	R863	-----	NO-USED
R866	119-1511-15	1/16W 150 ohm	R866	-----	NO-USED
R867	119-1511-15	1/16W 150 ohm	R867	-----	NO-USED
R869	119-2221-15	1/16W 2.2k ohm	R869	119-4721-15	1/16W 4.7k ohm
R870	119-9111-15	1/16W 910 ohm	R870	-----	NO-USED
R871	119-9111-15	1/16W 910 ohm	R871	-----	NO-USED
R872	119-2221-15	1/16W 2.2k ohm	R872	119-4721-15	1/16W 4.7k ohm
R876	119-5131-15	1/16W 51k ohm	R876	119-4731-15	1/16W 47k ohm
R877	119-5131-15	1/16W 51k ohm	R877	119-4731-15	1/16W 47k ohm
R879	119-7521-15	1/16W 7.5k ohm	R879	119-8221-15	1/16W 8.2k ohm
R880	119-7521-15	1/16W 7.5k ohm	R880	119-8221-15	1/16W 8.2k ohm
R891	119-7521-15	1/16W 7.5k ohm	R891	119-8221-15	1/16W 8.2k ohm
R892	119-7521-15	1/16W 7.5k ohm	R892	119-8221-15	1/16W 8.2k ohm
R894	119-5131-15	1/16W 51k ohm	R894	119-4731-15	1/16W 47k ohm
R895	119-5131-15	1/16W 51k 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.