

Nissan Steps Immobilizer
Bill-Of-Material (Version C)

200 136	c	3/6/98	H. Limbrunner	Change R5 to 1M Change C16 to 1n5 Change C29 to 180p Add C31 (6p8) Change C200 to a 1206 packaging
200 114	b	12/11/97	H. Limbrunner	Add R9 Change R7/F30 to 1K5 Change C16 to 1n2 Change C29 to 470p Add T6 (BCR555) Change R16 to a 47R, 1% resistor
DF 10 703	a	10/10/97	H. Limbrunner	
Revision	Index	Date	Name	

Editor	Date	Name
1. Check	6/13/97	N. Bergerhoff
2. Check		

Item	Quantity	Siemens #	Component	Type	Designator	Package
1	1	659803.21.01	PCB	FR4/2-sided		
2	1	0009.152.226	Resistor	10K/5%/63mW	R25	0603
3	1	0009.152.184	Resistor	220R/5%/63mW	R22	0603
4	1	0009.152.234	Resistor	22K/5%/63mW	R4	0603
5	1	0009.151.011	Resistor	22K/5%/125mW	R3	0805
6	1	0009.152.242	Resistor	47K/5%/63mW	R9	0603
7	2	0009.152.246	Resistor	68K/5%/63mW	R26/R27	0603
8	1	0009.151.276	Resistor	1M/5%/125mW	R5	0805
9	2	0009.153.071	Resistor	1K5/5%/250mW	R7/R30	1206
10	2	0009.156.010	Resistor	10K/1%/250mW	R1/R2	minimelf
11	2	0009.156.511	Resistor	1K27/1%/250mW	R12/R13	minimelf
12	2	0009.156.904	Resistor	22R/1%/250mW	R18/R23	minimelf
13	1	0009.166.912	Resistor	47R/1%/125mW	R16	0805
14	1	0009.166.719	Resistor	154K/1%/125mW	R17	0805
15	1	0009.151.007	Resistor	390R/5%/125mW	R28	0805

65980; 06ST
Nissan Steps Immobilizer
Bill-Of-Material (Version C)

FCC ID: M3NSTEP5

Item	Quantity	Siemens #	Component	Type	Designator	Package
16	1	0009.152.238	Resistor	33K/5%/63mW	R29	0603
17	1	659131.20.43	Zener Diode	BZX84C6V2/6.2V/5%/350mW	D5	sol23_d2
18	1	659631.20.11	Zener Diode	MR2835S/28V/15%/700W	D2	do_sup
19	1	659231.20.39	Diode	LS4148/75V/200mA	D10	MiniMELF_D 0204
20	1	657520.20.17	Zener Diode	BZV55C4V7/4.7V/5%/500mW	D3	MiniMELF_D 0204
21	1	659231.20.49	Diode	S2J	D1	do214aa
22	2	659431.20.05	Zener Diode	ZMY27/27V/10%/1W	D7/D9	MELF_D
23	5	657736.20.54	Capacitor	100n/10%/50V/X7R/Ceramic	C1/C2/C5/C7/C11	0805
24	1	658048.20.05	Capacitor	100n/10%/50V/X7R/Ceramic	C200	1206
25	1	658136.20.42	Capacitor	220n/5%/25V/X7R/Ceramic	C19	1206
26	1	657639.20.14	Capacitor	22u/10%/10V/TANT	C4	takoc
27	3	659436.20.19	Capacitor	10n/5%/50V/X7R/Ceramic	C10/C18/C28	0603
28	3	659436.20.59	Capacitor	4n7/10%/50V/X7R/Ceramic	C6/C8/C17	0603
29	2	657736.20.15	Capacitor	220p/5%/50V/NPO/Ceramic	C25/C201	0603
30	1	659439.20.75	Capacitor	100u/20%/35V/Electrolytic	C3	ecr6_3x11_2x2_5
31	1	659436.20.16	Capacitor	180p/2%/50V/NPO/Ceramic	C29	0603
32	1	659636.20.28	Capacitor	1n5/2%/50V/NPO/Ceramic	C16	0805
33	1	659636.20.17	Capacitor	8n2/10%/50V/X7R/Ceramic	C21	0603
34	1	657736.20.52	Capacitor	22p/5%/50V/NPO	C30	0603
35	1	657736.20.25	Capacitor	6p8/5%/50V/NPO	C39	0603
36	1	659160.20.46	Transistor	BCR192/PNP/50V/100mA/330mW	T5	SOT23_l2
37	1	659160.20.85	Transistor	BCR555/PNP/50V/100mA/330mW	T6	SOT23_l2
38	1	659467.20.55	ASIC	MDIC02	V4	SO14
39	1	659667.20.15	Voltage reg.	TLE4269GL	V1	SO20
40	1	659667.20.48	ASIC	ATIC06	V3	SO16
41	1	653167.20.02	Microproc. C	TMS370C042	V2	PLCC44
42	1	659236.20.78	Resonator	4MHz	Q1	cslec

Nissan Step3 Immobilizer
Bill-Of-Material (Version B)

200 136	c	3/6/98	H. Limbrunner	Change R5 to 1M Change C16 to 1n5 Change C29 to 180p Add C31 (6p8) Change C200 to a 1206 packaging
200 114	b	12/11/97	H. Limbrunner	Change R7/F30 to 1K5 Change C16 to 1n2 Change C29 to 470p Add T6 (BCR555)
DF 10 703	a	10/10/97	H. Limbrunner	Change R16 to a 47R, 1% resistor
Revision	Index	Date	Name	Change

AT NA P53

3/11/98

3/11/98

FCC ID: M3NSTEP5

Editor	Date	Name
1. Check	6/13/97	N. Bergerhoff
2. Check		

Item #	Quantity	Siemens #	Component	Type	Designator	Package
1	1	659803.21.01	PCB	FR4/2-sided		
2	1	0009.152.226	Resistor	10K/5%/63mW	R25	0603
3	1	0009.152.184	Resistor	220R/5%/63mW	R22	0603
4	1	0009.152.234	Resistor	22K/5%/63mW	R4	0603
5	1	0009.151.011	Resistor	22K/5%/125mW	R3	0805
6	1	0009.152.242	Resistor	47K/5%/63mW	R9	0603
7	2	0009.152.246	Resistor	68K/5%/63mW	R26/R27	0603
8	1	0009.151.276	Resistor	1M/5%/125mW	R5	0805
9	1	0009.153.022	Resistor	1K/5%/250mW	R6	1206
10	2	0009.153.071	Resistor	1K5/5%/250mW	R7/R30	1206
11	2	0009.156.010	Resistor	10K/1%/250mW	R1/R2	minimelf
12	2	0009.156.511	Resistor	1K27/1%/250mW	R12/R13	minimelf
13	4	0009.156.904	Resistor	22R/1%/250mW	R8/R18/R23/R24	minimelf
14	1	0009.166.912	Resistor	47R/1%/125mW	R16	0805
15	1	0009.166.719	Resistor	154K/1%/125mW	R17	0805
16	1	0009.151.007	Resistor	390R/5%/125mW	R28	0805

Modified 3/6/98

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659803.76.04S1
Nissan Step5 Immobilizer
Bill-Of-Material (Version A)

FCC ID: M3NSTEP5

Item	Quantity	Siemens #	Component	Type	Designator	Package
16	1	0009.152.238	Resistor	33K/5%/63mW	R29	0603
17	1	659131.20.43	Zener Diode	BZX84C6V2/6.2V/5%/350mW	D5	sol23_d2
18	1	659631.20.11	Zener Diode	MR2835S/28V/15%/700W	D2	do_sup
19	1	659231.20.39	Diode	LS4148/75V/200mA	D10	MiniMELF_D 0204
20	1	657520.20.17	Zener Diode	BZV55C4V7/4.7V/5%/500mW	D3	MiniMELF_D 0204
21	1	659231.20.49	Diode	S2J	D1	do214aa
22	2	659431.20.05	Zener Diode	ZMY27/27V/10%/1W	D7/D9	MELF_D
23	5	657736.20.54	Capacitor	100n/10%/50V/X7R/Ceramic	C1/C2/C5/C7/C11	0805
24	1	658048.20.05	Capacitor	100n/10%/50V/X7R/Ceramic	C200	1206
25	1	658136.20.42	Capacitor	220n/5%/25V/X7R/Ceramic	C19	1206
26	1	657639.20.14	Capacitor	22u/10%/10V/TANT	C4	lakoc
27	3	659436.20.19	Capacitor	10n/5%/50V/X7R/Ceramic	C10/C18/C28	0603
28	3	659436.20.59	Capacitor	4n7/10%/50V/X7R/Ceramic	C6/C8/C17	0603
29	2	657736.20.15	Capacitor	220p/5%/50V/NPO/Ceramic	C25/C201	0603
30	1	659439.20.75	Capacitor	100u/20%/35V/Electrolytic	C3	ecr6_3x11_2x2_5
31	1	659436.20.16	Capacitor	180p/2%/50V/NPO/Ceramic	C29	0603
32	1	659636.20.28	Capacitor	1n5/2%/50V/NPO/Ceramic	C16	0805
33	1	659636.20.17	Capacitor	8n2/10%/50V/X7R/Ceramic	C21	0603
34	1	657736.20.52	Capacitor	22p/5%/50V/NPO	C30	0603
35	1	657736.20.25	Capacitor	6p8/5%/50V/NPO	C31	0603
36	1	659160.20.46	Transistor	BCR192/PNP/50V/100mA/330mW	T5	SOT23_l2
37	1	659160.20.85	Transistor	BCR555/PNP/50V/100mA/330mW	T6	SOT23_l2
38	1	659467.20.55	ASIC	MDIC02	V4	SO14
39	1	659667.20.15	Voltage reg.	TLE4269GL	V1	SO20
40	1	659667.20.48	ASIC	ATIC06	V3	SO16
41	1	653167.20.01	Micropro. A/B	TMS370C042	V2	PLCC44
42	1	659236.20.78	Resonator	4MHz	Q1	csfcc

Nissan Step5 Immobilizer
Bill-Of-Material (Version A)

200 136	c	3/6/98	H. Limbrunner	Change R5 to 1M Change C16 to 1n5 Change C29 to 180p Add C31 (6p8) Change C200 to a 1206 packaging
200 114	b	12/11/97	H. Limbrunner	Added R9 Change R7/F30 to 1K5 Change C16 to 1n2 Change C29 to 470p Add T6 (BCR555)
DF 10 703	a	10/10/97	H. Limbrunner	Change R16 to a 47R, 1% resistor
Revision	Index	Date	Name	Change

Editor	Date	Name
1. Check	6/13/97	N. Bergerhoff
2. Check		

Item	Quantity	Siemens #
1	1	659803.21.01
2	1	0009.152.226
3	1	0009.152.184
4	1	0009.152.234
5	1	0009.151.011
6	1	0009.152.242
7	2	0009.152.246
8	1	0009.151.276
9	2	0009.153.071
10	2	0009.156.010
11	2	0009.156.511
12	2	0009.156.904
13	1	0009.166.912
14	1	0009.166.719
15	1	0009.151.007

FCC ID: M3NSTEP5

2103/0/98
3/11/98

Designator	Type	Component	Package
	FR4/2-sided	PCB	
R25	10K/5%/63mW	Resistor	0603
R22	220R/5%/63mW	Resistor	0603
R4	22K/5%/63mW	Resistor	0603
R3	22K/5%/125mW	Resistor	0805
R9	47K/5%/63mW	Resistor	0603
R26/R27	68K/5%/63mW	Resistor	0603
R5	1M/5%/125mW	Resistor	0805
R7/R30	1K5/5%/250mW	Resistor	1206
R1/R2	10K/1%/250mW	Resistor	minimelf
R12/R13	1K27/1%/250mW	Resistor	minimelf
R18/R23	22R/1%/250mW	Resistor	minimelf
R16	47R/1%/125mW	Resistor	0805
R17	154K/1%/125mW	Resistor	0805
R28	390R/5%/125mW	Resistor	0805