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Application Note V-107
PS/2 PC Keyboard Scan Sets Translation Table

IBM Key No.	Set 1 Make/Break	Set 2 Make/Break	Set 3 Make/Break	Base Case	Upper Case
1	29/A9	0E/F0 0E	0E/F0 0E	`	~
2	02/82	16/F0 16	16/F0 16	1	!
3	03/83	1E/F0 1E	1E/F0 1E	2	@
4	04/84	26/F0 26	26/F0 26	3	#
5	05/85	25/F0 25	25/F0 25	4	$
6	06/86	2E/F0 2E	2E/F0 2E	5	%
7	07/87	36/F0 36	36/F0 36	6	^
8	08/88	3D/F0 3D	3D/F0 3D	7	&
9	09/89	3E/F0 3E	3E/F0 3E	8	*
10	0A/8A	46/F0 46	46/F0 46	9	(
11	0B/8B	45/F0 45	45/F0 45	0	)
12	0C/8C	4E/F0 4E	4E/F0 4E	-	_
13	0D/8D	55/F0 55	55/F0 55	=	+
15	0E/8E	66/F0 66	66/F0 66	Backspace	
16	0F/8F	0D/F0 0D	0D/F0 0D	Tab	
17	10/90	15/F0 15	15/F0 15	q	Q
18	11/91	1D/F0 1D	1D/F0 1D	w	W
19	12/92	24/F0 24	24/F0 24	e	E
20	13/93	2D/F0 2D	2D/F0 2D	r	R
21	14/94	2C/F0 2C	2C/F0 2C	t	T
22	15/95	35/F0 35	35/F0 35	y	Y
23	16/96	3C/F0 3C	3C/F0 3C	u	U
24	17/97	43/F0 43	43/F0 43	i	I
25	18/98	44/F0 44	44/F0 44	o	O
26	19/99	4D/F0 4D	4D/F0 4D	p	P
27	1A/9A	54/F0 54	54/F0 54	[	{
28	1B/9B	5B/F0 5B	5B/F0 5B	]	}
30	3A/BA	58/F0 58	58/F0 58	Caps Lock	
31	1E/9E	1C/F0 1C	1C/F0 1C	a	A
32	1F/9F	1B/F0 1B	1B/F0 1B	s	S
33	20/A0	23/F0 23	23/F0 23	d	D
34	21/A1	2B/F0 2B	2B/F0 2B	f	F
35	22/A2	34/F0 34	34/F0 34	g	G
36	23/A3	33/F0 33	33/F0 33	h	H
37	24/A4	3B/F0 3B	3B/F0 3B	j	J
38	25/A5	42/F0 42	42/F0 42	k	K
39	26/A6	4B/F0 4B	4B/F0 4B	l	L
40 41	27/A7	4C/F0 4C	4C/F0 4C	;	:

	28/A8	52/F0 52	52/F0 52		
43	1C/9C	5A/F0 5A	5A/F0 5A	Enter	Enter
44	2A/AA	12/F0 12	12/F0 12	Left Shift	
46	2C/AC	1A/F0 1A	1A/F0 1A	z	Z
47	2D/AD	22/F0 22	22/F0 22	x	X
48	2E/AE	21/F0 21	21/F0 21	c	C
49	2F/AF	2A/F0 2A	2A/F0 2A	v	V
50	30/B0	32/F0 32	32/F0 32	b	B
51	31/B1	31/F0 31	31/F0 31	n	N
52	32/B2	3A/F0 3A	3A/F0 3A	m	M
53	33/B3	41/F0 41	41/F0 41	,	<
54	34/B4	49/F0 49	49/F0 49	.	>
55	35/B5	4A/F0 4A	4A/F0 4A	/	?
57	36/B6	59/F0 59	59/F0 59	Right Shift	
58	1D/9D	14/F0 14	11/F0 11	Left Ctrl	
60	38/B8	11/F0 11	19/F0 19	Left Alt	
61	39/B9	29/F0 29	29/F0 29	Spacebar	
62	E0 38/E0 B8	E0 11/E0 F0 11	39/F0 39	Right Alt	
64	E0 1D/E0 9D	E0 14/E0 F0 14	58/F0 58	Right Ctrl	
75	E0 52/E0 D2 (base)	E0 70/E0 F0 70 (base)	67/F0 67	Insert	
76	E0 4B/E0 CB (base)	E0 71/E0 F0 71 (base)	64/F0 64	Delete	
79	E0 4B/E0 CB (base)	E0 6B/E0 F0 6B (base)	61/F0 61	Left Arrow	
80	E0 47/E0 C7 (base)	E0 6C/E0 F0 6C (base)	6E/F0 6E	Home	
81	E0 4F/E0 CF (base)	E0 69/E0 F0 69 (base)	65/F0 65	End	
83	E0 48/E0 C8 (base)	E0 75/E0 F0 75 (base)	63/F0 63	Up Arrow	
84	E0 50/E0 D0 (base)	E0 72/E0 F0 72 (base)	60/F0 60	Down Arrow	
85	E0 49/E0 C9 (base)	E0 7D/E0 F0 7D (base)	6F/F0 6F	Page Up	
86	E0 51/E0 D1 (base)	E0 7A/E0 F0 7A (base)	6D/F0 6D	Page Down	
89	E0 4D/E0 CD (base)	E0 74/E0 F0 74 (base)	6A/F0 6A	Right Arrow	
90	45/C5	77/F0 77	76/F0 76	Num Lock	
91	47/C7	6C/F0 6C	6C/F0 6C	Keypad 7	
92	4B/CB	6B/F0 6B	6B/F0 6B	Keypad 4	
93	4F/CF	69/F0 69	69/F0 69	Keypad 1	
95	E0 35/E0 B5 (base)	E0 4A/E0 F0 4A (base)	77/F0 77	Keypad /	
96	48/C8	75/F0 75	75/F0 75	Keypad 8	
97	4C/CC	73/F0 73	73/F0 73	Keypad 5	
98	50/D0	72/F0 72	72/F0 72	Keypad 2	
99	52/D2	70/F0 70	70/F0 70	Keypad 0	
100	37/B7	7C/F0 7C	7E/F0 7E	Keypad *	
101	49/C9	7D/F0 7D	7D/F0 7D	Keypad 9	
102	4D/CD	74/F0 74	74/F0 74	Keypad 6	
103	51/D1	7A/F0 7A	7A/F0 7A	Keypad 3	
104	53/D3	71/F0 71	71/F0 71	Keypad .	
105	4A/CA	7B/F0 7B	84/F0 84	Keypad -	
106	4E/CE	79/F0 79	7C/F0 7C	Keypad +	
108	E0 1C/E0 9C	E0 5A/E0 F0 5A	79/F0 79	Keypad Enter	
110				Esc	

	01/81	76/F0 76	08/F0 08		
112	3B/BB	05/F0 05	07/F0 07	F1	
113	3C/BC	06/F0 06	0F/F0 0F	F2	
114	3D/BD	04/F0 04	17/F0 17	F3	
115	3E/BE	0C/F0 0C	1F/F0 1F	F4	
116	3F/BF	03/F0 03	27/F0 27	F5	
117	40/C0	0B/F0 0B	2F/F0 2F	F6	
118	41/C1	83/F0 83	37/F0 37	F7	
119	42/C2	0A/F0 0A	3F/F0 3F	F8	
120	43/C3	01/F0 01	47/F0 47	F9	
121	44/C4	09/F0 09	4F/F0 4F	F10	
122	57/D7	78/F0 78	56/F0 56	F11	
123	58/D8	07/F0 07	5E/F0 5E	F12	
124	E0 2A E0 37/E0 B7 E0 AA	E0 12 E0 7C/E0 F0 7C E0 F0 12	57/F0 57	Print Screen	
125	46/C6	7E/F0 7E	5F/F0 5F	Scroll Lock	
126	E1 1D 45/E1 9D C5	E1 14 77 E1/F0 14 F0 77	62/F0 62	Pause Break	
29 or 42*	2B/AB	5D/F0 5D	5C/F0 5C or 53/F0 53	\	|

Notes:

- *42 is only applicable to non-U.S. keyboards.
- Some key numbers and scan code numbers are missing and reserved by IBM.
- In set 1, shift case adds an E0 AA preceding the make code, and an E0 2A following the break code (for applicable keys only).
- In set 1, num lock case adds an E0 2A preceding the make code, and an E0 AA following the break code (for applicable keys only).
- In set 2, shift case adds an E0 F0 12 preceding the make code, and an E0 12 following the break code (for applicable keys only).
- In set 2, num lock case adds an E0 12 preceding the make code, and an E0 F0 12 following the break code (for applicable keys only).
- Set 2 is the default set.

Source: IBM PS/2 Model 50 and 60 Technical Reference

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