Table 6
 Instructions (cont)

			Code		_	Execution Time (max) (when f _{cp} or
Instruction	RS	R/W	DB7 DB6 DB5 DB4 DB3 DB2 DB	B1 DB0	Description	f _{OSC} is 270 kHz)
Write data to CG or DDRAM	1	0	Write data		Writes data into DDRAM or CGRAM.	37 μs t _{ADD} = 4 μs*
Read data from CG or DDRAM	1	1	Read data		Reads data from DDRAM or CGRAM.	37 μs t _{ADD} = 4 μs*
	S/C R/L	= 1: = 0: = 1: = 0: = 1: = 1: = 1:	Cursor move Shift to the right Shift to the left 8 bits, DL = 0: 4 bits		DDRAM: Display data RAM CGRAM: Character generator RAM ACG: CGRAM address ADD: DDRAM address (corresponds to cursor address) AC: Address counter used for both DD and CGRAM addresses	frequency changes Example: When f_{cp} or f_{OSC} is 250 kHz,

Note: — indicates no effect.

* After execution of the CGRAM/DDRAM data write or read instruction, the RAM address counter is incremented or decremented by 1. The RAM address counter is updated after the busy flag turns off. In Figure 10, t_{ADD} is the time elapsed after the busy flag turns off until the address counter is updated.

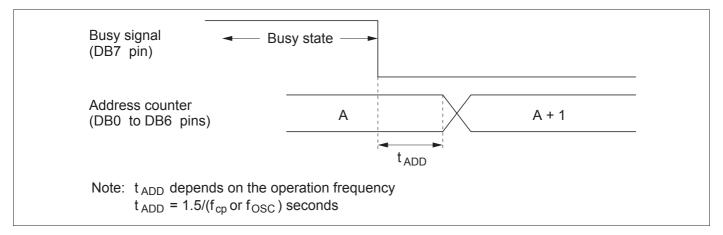


Figure 10 Address Counter Update