

FC07 3D	DELAY:	DCR	A	;DONE WITH DELAY?
FC08 C207FC		JNZ	DELAY	;NO - KEEP LOOPING
FC0B 0B		DCX	B	;DECREMENT STEP COUNTER
FC0C C300FC		JMP	STEPN	;AND SEE IF DONE STEPPING

With this routine in memory, the stepper can be turned at any time by setting the variable I% to the desired number of steps and executing the command:

```
SCALL #FC00,I%
```

After execution of the machine language routine the value of the variable I% will always be zero. The machine language routine decrements the BC register pair to zero to determine when enough step pulses have been sent. When the subroutine returns, XYBASIC assigns the new value in the BC register pair to the variable I%, making it zero.