## 12 Figure 8 with Touch

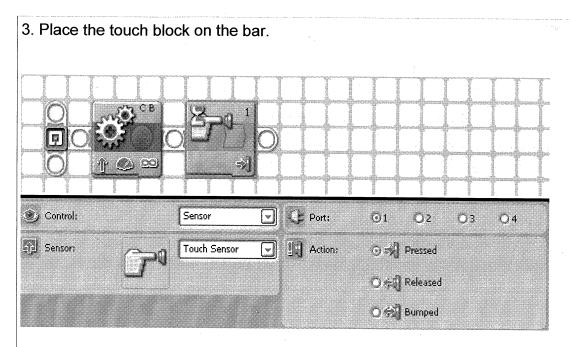
Mission: see Figure 8, the mission before this one.

**Equipment:** Touch sensor

## **Directions:**

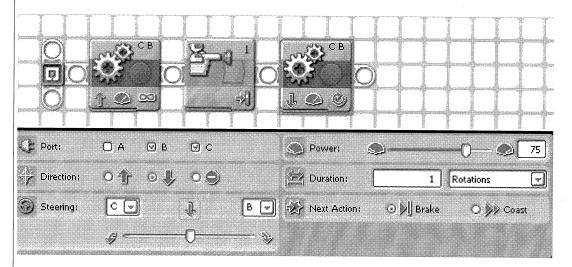
These directions will not go through every step for this exercise. Instead, it will just show you the first turn and you will then know how to handle every turn after that.

			_				
1. Place	a move blo	ck on the p	orogram ba	ar and set it t	o unlimited.		
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			_				
	make the i to move on			nlimited dist	ance until the	next block tells th	e
program	to move on	to the nex	t block.				
2. Place	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	:h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	:h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	:h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	:h
2. Place block.	the cursor	over the	wait block	and a men	u will appear.	Click on the touc	:h
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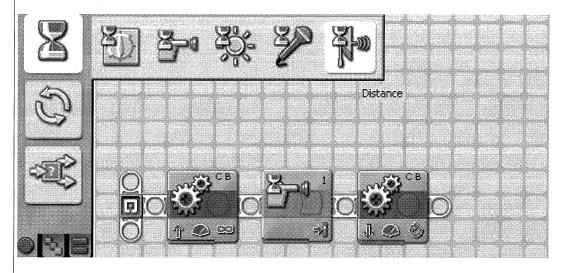
The touch sensor block will trigger the program to move to the next block when it is pressed.

4. Place a move block on the line and set it for reverse and leave it at one rotation.



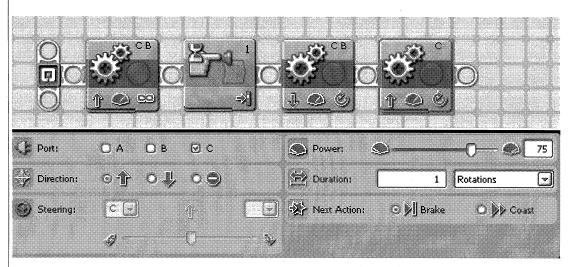
The rotations may need to be changed to make it move back enough that it will not hit when it turns, but close enough to wall to so it does not hit the post on the figure 8.

5. Place the cursor over the wait block and pick a distance block.



The distance block works with the ultrasonic sensor to measure distance by a ultrasonic ping. It works like a bat does with its sonar.

6. Place the move block on the line and click on the button next to Port B to remove the orange circle in it. Now only Port C has a circle in it.



This means only the wheel attached to Port C will turn. This will make your robot turn to the right.