

# 13 Figure 8 with Ultrasonic

## **Mission:**

See **Figure 8**, two missions before this one.

## **Equipment:**

Ultrasonic sensor

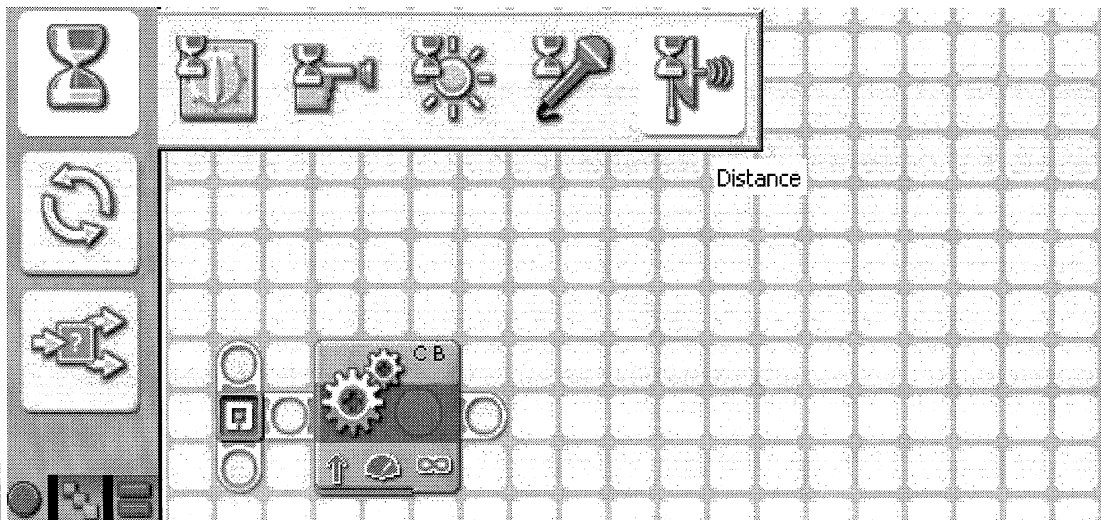
## **Directions:**

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.

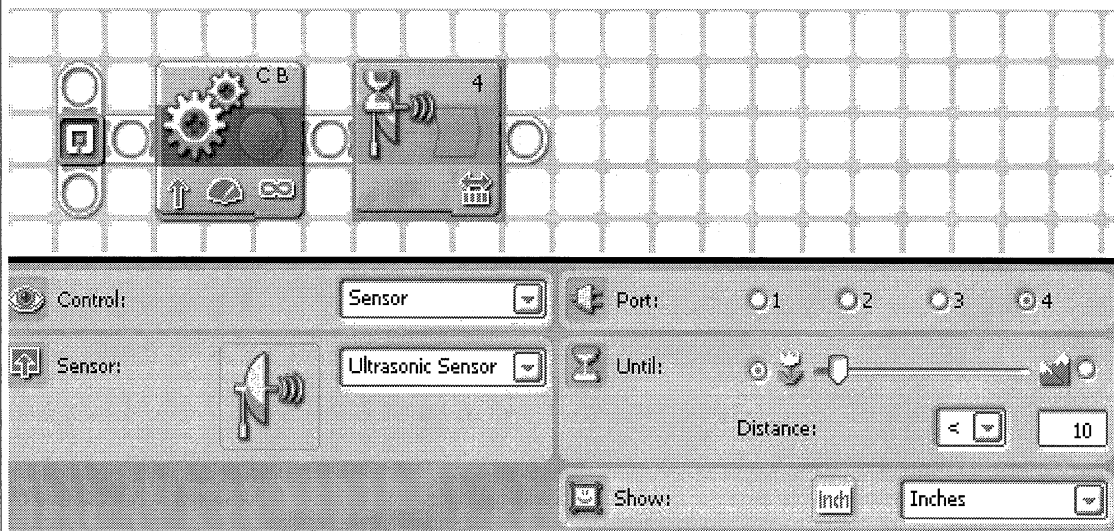
1. Place a move block on the program bar and set it to unlimited.

*This will make the robot move for an unlimited distance until the next block tells the program to move on to the next block.*

2. Place the cursor over the wait block and a menu will appear. Click on the distance block.



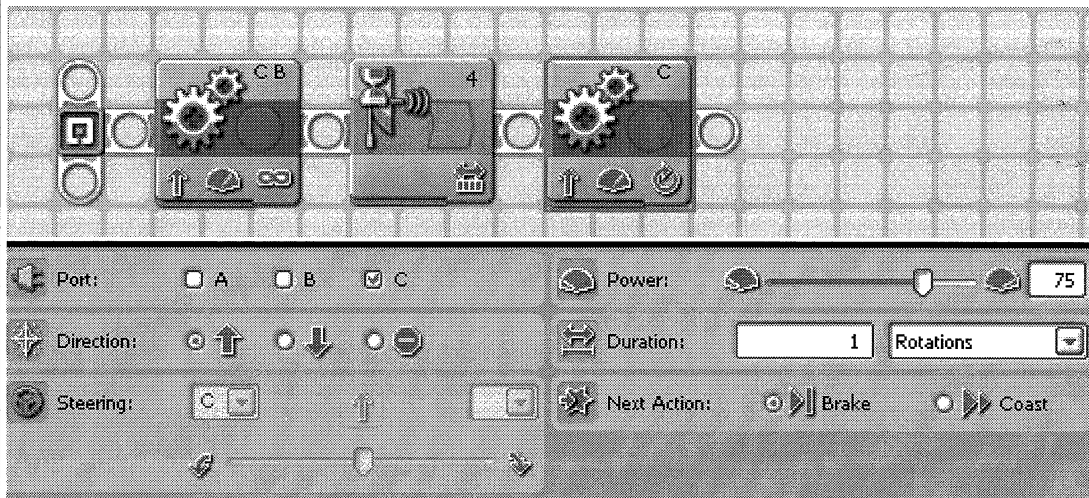
3. Place the distance block on the bar.



*The distance sensor block will trigger the program to move to the next block when it is pressed.*

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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 the wall so it does not hit the post on the figure 8.*

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