

## About the Artist:

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David C. Roy

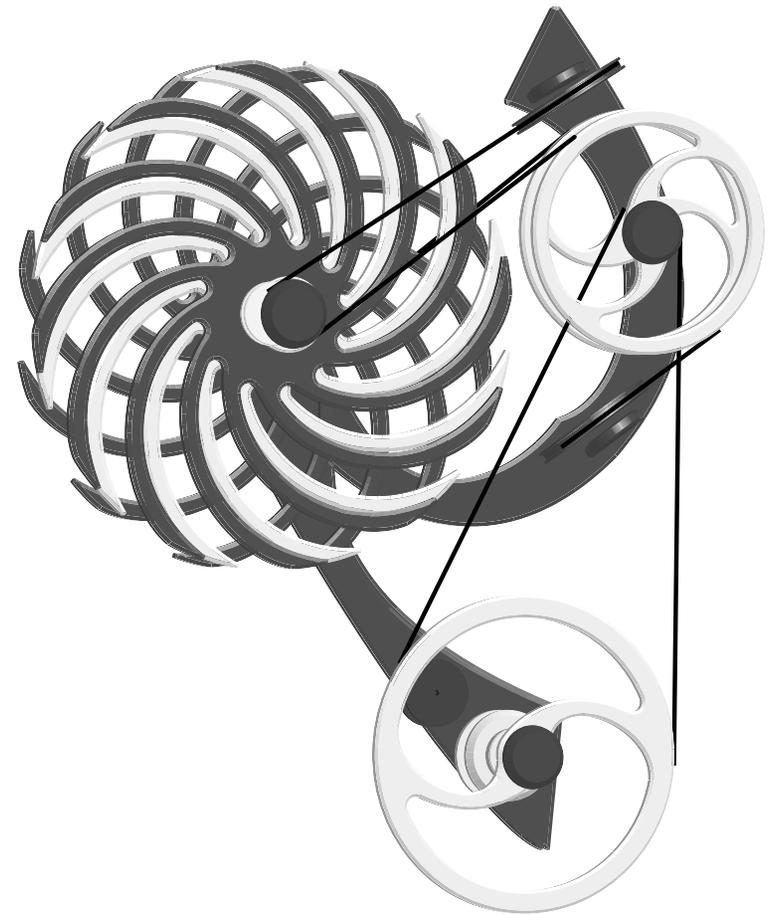
Mechanics and motion have always fascinated me. During college I studied physics, engineering and chemistry to further my understanding of how things worked. I graduated with a degree in physics from Boston University in 1974. This intuitive understanding of motion and mechanics combined with the artistic influences of my wife, Marji, led me to the creation of kinetic sculptures. In 1975 we started "Wood That Works" and I became a full time sculptor. Since then I have designed and handcrafted over 100 different limited edition and one-of-a-kind kinetic sculptures. I have exhibited in numerous juried, invitational and group events. My work is displayed in galleries and private collections around the world. I currently maintain a studio in rural northeastern Connecticut.

Wood   
that Works

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Fiesta • Directions

Kinetic Sculpture by David C. Roy  
©2009



## To the Owner...

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Hello,

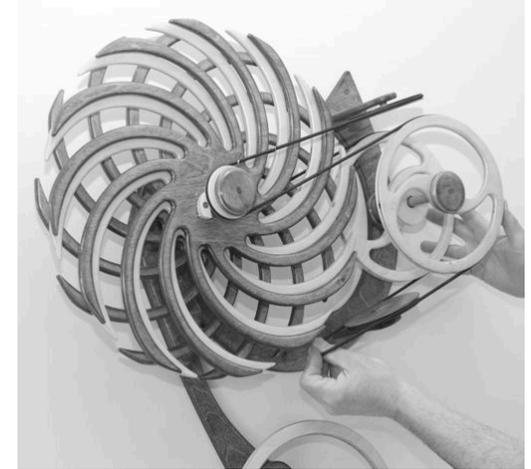
Welcome to the world of Wood That Works. This Fiesta is number \_\_\_\_\_ out of a possible 95 pieces. It was made by me during the month of \_\_\_\_\_ in 2011. I build, test and pack each sculpture myself, doing 6-12 pieces of an edition per month. It takes several years for me to complete an edition and some are never finished as I move on to new designs. Designing and building kinetic sculptures like Fiesta has been my full time occupation for more than 30 years. I hope Fiesta brings you and other viewers as much enjoyment as I've found in making it.

Fiesta has been mounted on a wall in my shop and running for at least 2 complete windings (several hours) before I pack it. I make every effort in design, construction and packing to make sure the piece will perform problem free for years to come. I use only the finest materials. Of course, problems can still occur no matter how hard I try to prevent them. My answer to this is a warranty to the original owner against defects in materials and workmanship for five years. See the guarantee section of this booklet for details.

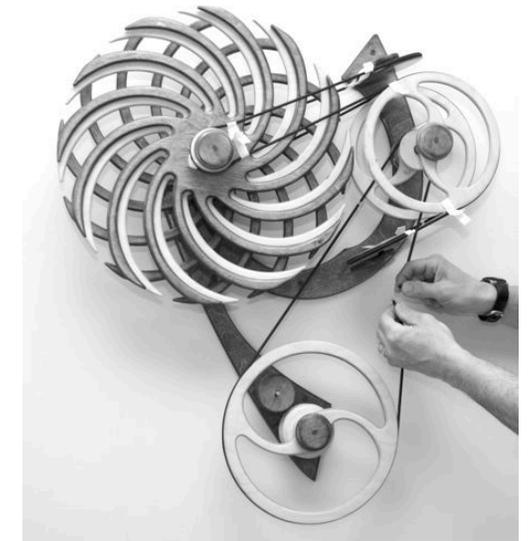
It leaves me happy and satisfied to find that my work has made it's way into new lives. I hope it brings you years of enjoyment.

David C. Roy

- While keeping tension on the belt by holding the free end in one hand, pass the front and back sides of the belt over the pair of control wheels making sure the belt properly aligns with the slots of the wheels. Hold the belt in place against the control wheels with your right hand. With your left hand stretch the free loop of the belt up and over the dark reversing wheel on the right, lower side of the sculpture.



- Reinstall the shorter drive belt. Loop it around the smaller inner pulley of the right, light wheels. Hook the small hooks on the end of the spring belt together to make a continuous loop.
- Ease the belt into the slot around the winding wheel at the bottom.

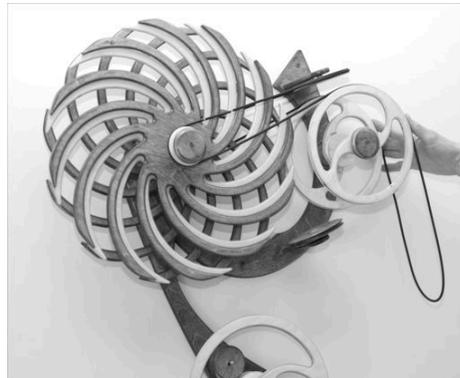
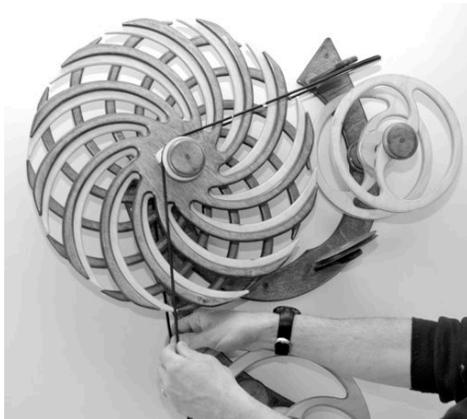


## Reinstalling Spring:

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### Correct Installation of the Spring-Belts:

- Two spring-belts power and control the motion of this sculpture. It is easy to reinstall the small belt if it becomes knocked loose during shipping or installation. The longer belt takes a more involved path and can be a challenge to reinstall without the proper directions.
- Spring-belts tend to have minds of their own and it sometimes helps to have an extra pair of hands to install the long one.
- Place the long belt over the small pulley to the rear of the patterning wheels. Bring the right side of this belt to the right and around from back to front of the dark reversing pulley on the upper side of the control wheels and then back and over, from right to left, the small pulley on the front of the patterning wheels. Keep tension on the belt by gently pulling down on the free loop end with your left hand.



## About Fiesta:

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Fiesta started out as a completely different sculpture. My original idea was to experiment with a strong optical patterning piece that used the mechanism I developed for Journey . I knew I wanted two patterning wheels moving in opposite directions and one had to be a double wheel in order to make the mechanism work. I drew up the wheels and played with different shapes and wheel color combinations. I grew very excited with simple partial spiral curves and the dark-light-dark color combination. It made a dotted spiral pattern that I hadn't seen before.

I built the first prototype. It worked well and I lived with it in the studio for a few months. Eventually I came to the conclusion that although the mechanism worked well enough it didn't really show the patterning well. It was too random.

Back to the drawing board! This time I drew up a sculpture using a "Radiance" type mechanism using the new patterning wheels. I knew that this mechanism created a constantly shifting but more regular patterning and had a long run time.

I built another prototype and it worked out as I had hoped. I've been living with it for several months and still smile when I come into the room where the sculpture is moving.

## Specifications:

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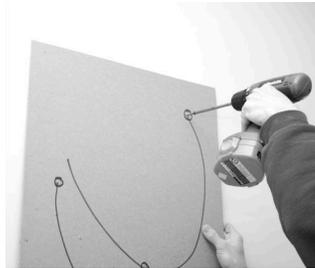
Limited Edition of 95  
Size: 30" h x 25" w x 7" d  
Power Source: negator spring  
Approximate Run Time: 12 hours  
Materials: hardwood plywood,  
brass, bearings, string  
Fiesta © 2009

# Directions:

## To Mount on Wall:

- DO NOT remove the tape holding the spring-belts in place.
- Hold the mounting template in the desired location against a wall. The diagram to the right shows the relationship of the template to the sculpture to guide you in positioning the sculpture on the wall. Minimum clearance distances are noted.

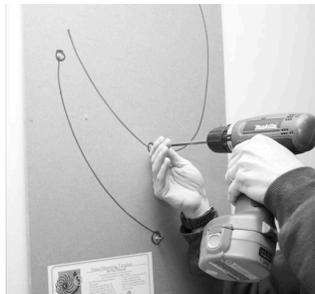
- Attach the template to the wall with 1 screw in the upper right corner screw hole.



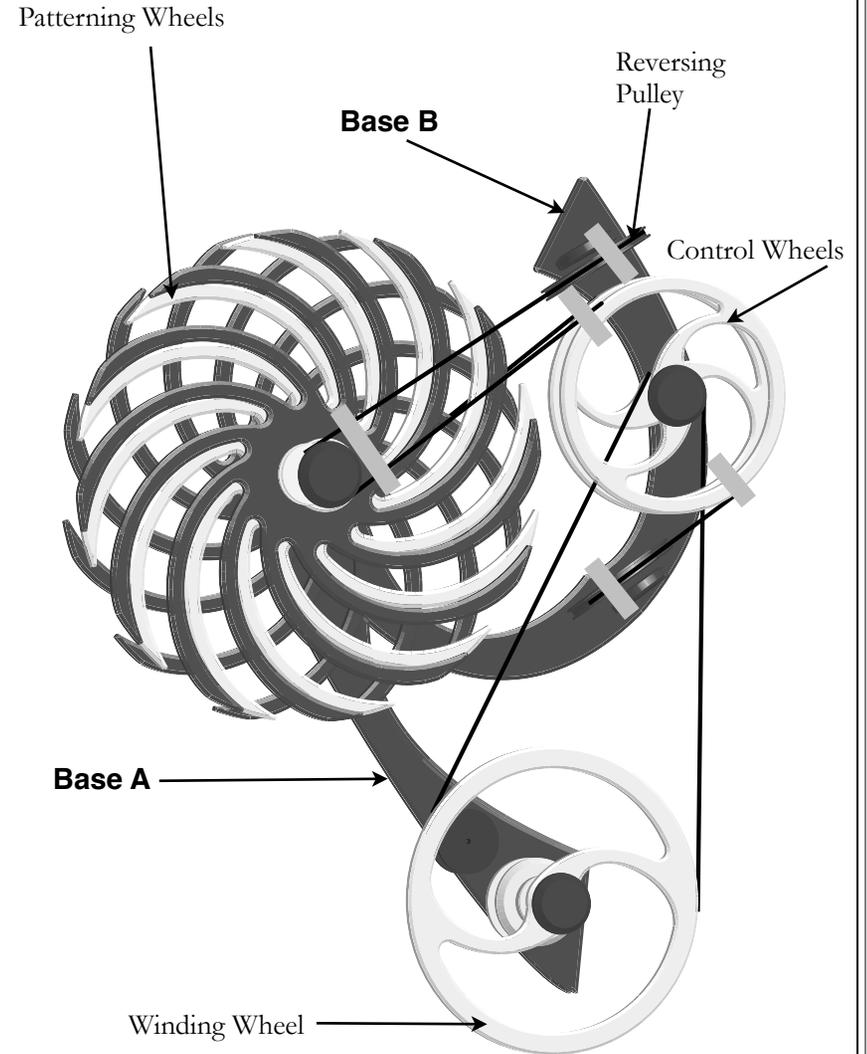
- Level the bottom edge of the template. Important! Use a level. Insert a second screw to mark the location.



- Place a sharp instrument through all the screw holes, marking their positions on the wall. Remove and save the template.



- Drill pilot holes in the wall. If the wall is sheet rock or plaster use plastic anchors.



Gray rectangles indicate locations to tape springs before taking sculpture off of wall.

## Directions:

### To Wind:

- Turn the winding wheel clockwise 24 turns.
- Pay close attention to the top of the light colored wood spool directly behind the winding wheel. Stop winding as soon as you see the red tape appear on the metal band. This is placed about 1 turn from the end. Winding beyond this point may damage the sculpture.

### To Start:

- If the sculpture does not start by itself after winding, gently push both patterning wheels in a clockwise direction.

### To Stop:

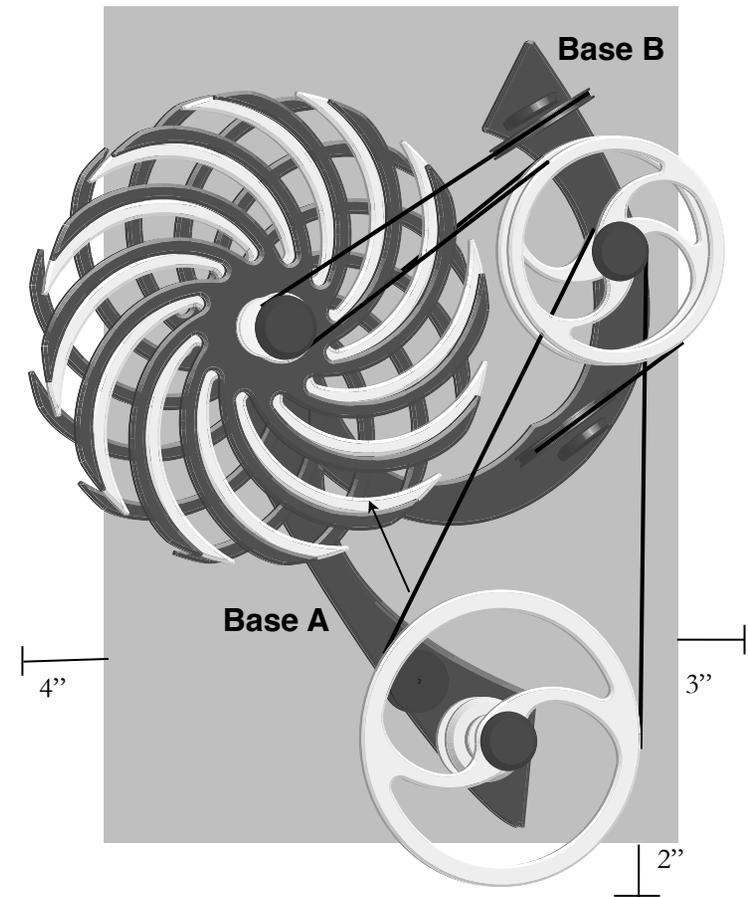
- Slow the motion of the patterning wheels with your hand and let them come to rest with their heavy sides down.

### Before Moving Sculpture:

- Always tape the spring-belts in place before moving the sculpture. This will save a lot of aggravation when it is time to set the piece up again. For Fiesta, remove the shorter belt between the 2 halves.
- See the diagram for the best tape locations. They are shown as gray rectangles.
- Never lay the sculpture on a horizontal surface for a long period of time without supporting the spokes of the patterning wheels. I use crumpled newspaper to support and separate the wheels when packing the sculpture.

### Guarantee:

- My kinetic sculptures are guaranteed to the original owner for a period of five years. All warranties expire with transfer of ownership from the original owner. Damage of the sculpture from exposure to extremes of high or low humidity, or to adverse hot or cold temperatures, or damage caused by normal wear and tear, accidents, misuse, or modification will not be covered by the warranty. Shipping and insurance to and from Wood That Works is the responsibility of the purchaser.
- I will charge a reasonable repair fee if the sculpture was damaged by misuse or needs refurbishment from normal wear and tear.



## Installation Directions (con't):

- Screw the sculpture to the wall.  
Fiesta is attached in parts and it is important to assemble in the correct order. First attach Base A to the wall with both the upper and lower screws. Refer to the diagram on the previous page for base labels.



- Then attach Base B with only the middle screw. Do not tighten and once this screw is in place pivot Base B behind the upper lip on Base A. The upper screw hole in Base B will align with the previously drilled hole.



- Tighten the middle screw and insert and tighten the upper screw in Base B.

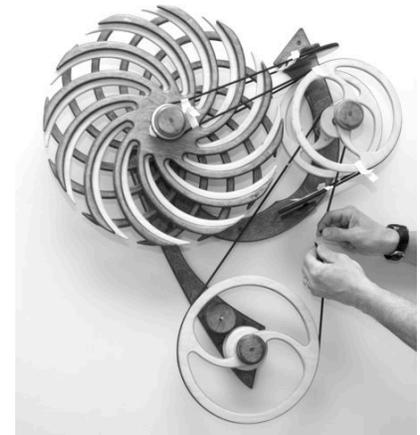


## Installation Directions (con't):

- Take the spring belt located in the directions packet and loop it around the smaller inner pulley of the right, light control wheels. Hook the small hooks on the end of the spring belt together to make a continuous loop.



- Ease the belt into the slot around the winding wheel at the bottom.



- Remove the tape holding the spring-belts in place.

- Note: The sculpture ships with the longer belt in place. Directions for re-installing it are at the end of this packet in case it is knocked off during shipping or installation.

