Helicopter Cube

*Designed by A. Cowan 2005, purchased from Mefferts, 2010.*  
(plastic, 2+3/8 inches;  
black body: red opposite white, yellow opposite orange, blue opposite green  
white body: red opposite black, yellow opposite orange, blue opposite green)

Each of the 12 edges can rotate 180 degrees; here is a sequence of three moves:

In addition, an edge may be partially rotated so that subsequent moves create a jumbled shape; here is the same sequence of three moves as shown above except the first is a partial rotation:

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