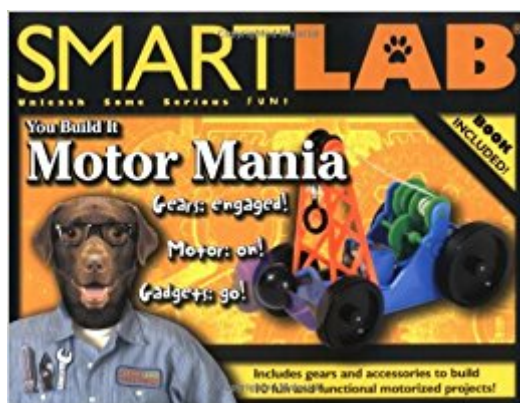


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# You Build It: Motor Mania (Smartlab)



## Synopsis

Includes everything kids need to build 10 fun and functional motorized projects! Kids can create a drink stirrer, a hypnoticon, a fan, a game spinner, a car, a tram, a winch, a conveyor, a crane, and a trunktor.

## Book Information

Series: Smartlab

Paperback: 40 pages

Publisher: Becker & Mayer (February 23, 2006)

Language: English

ISBN-10: 1932855343

ISBN-13: 978-1932855340

Product Dimensions: 8.5 x 3.3 x 11.1 inches

Shipping Weight: 1.3 pounds

Average Customer Review: 2.7 out of 5 stars 4 customer reviews

Best Sellers Rank: #6,287,145 in Books (See Top 100 in Books) #55 in Books > Teens >

Education & Reference > Science & Technology > Technology > Machinery & Tools #91

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Electronics #490419 in Books > Science & Math

## Customer Reviews

We bought this toy for my son as a summer reading award. He read eight books to earn this toy, and was really looking forward to it. This afternoon, we took it out of the box, assembled the chassis, and started with the first project in the book - the drink stirrer. The motor made a strange sound, and our new battery died within seconds. Thinking this was a fluke, we tried again with another battery. Same thing. We then tried again with a battery from another package, after verifying that the battery worked in another device. Same thing. We went online to check some reviews, and we learned that other people have had the same problem. Apparently the gears are not lined up correctly, causing the motor to run hot and burn out the battery within seconds. In fact, the battery compartment itself is too hot to handle now. My son would like to add, "Never buy it. It burns up, it does not work very well, it's terrible." We are now heading to the local teacher supply store to find a better toy. Don't waste your money on this one.

This item was bought as a gift for my grandson on his 5th birthday. He loves anything with wheels,

and its time for him to begin to understand the basic underlying principles that actually make them go. This kit looked ideal to not only provide that understanding but also yield a creative toy that could be enjoyed repeatedly. Unfortunately, the gear that meshes with the motor's worm gear was cast slightly eccentric (off center), and tended to bind at one point of its rotation enough to seriously limit the power output capability of the drive train. Shimming the motor didn't solve the problem, as it was always too near or too far from the miscast gear at some point. Modifying the gear with an Xacto knife finally achieved acceptable performance, but would probably be beyond the ability of the average parent, and certainly a 5 year old. Hopefully the manufacturer will correct this serious flaw to enable the kit to fulfill its true potential.

My 10-year-old son would like to do the review: "First when I started to build this I thought it would be very fun but it turned out to be very stressful. It was really hard to put the wheel on and when I did, it was impossible to get it back off. Lots of pieces just kept falling off. The motor barely worked."

Good product for children. The only drawback that the batteries are not included and it is not indicated.

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