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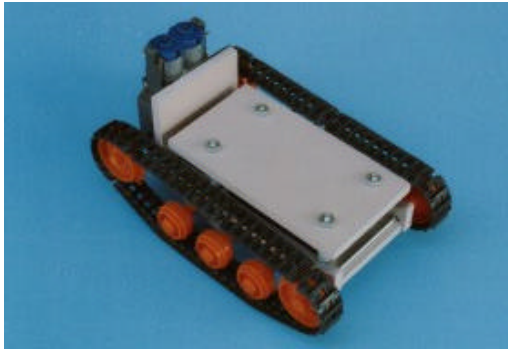
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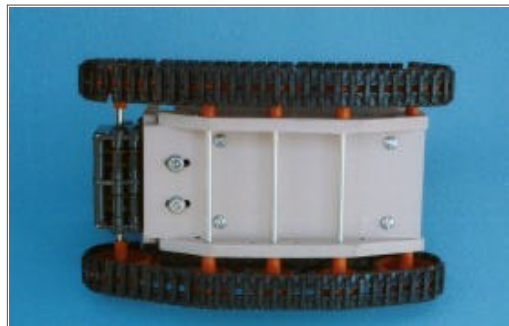
Robot Tank Base Kit

Here's everything you need to start building your own sturdy robotic tracked vehicle. The Budget Robotics TankBot kit comes with the following:

- High-power Tamiya Twin Motor gearbox kit
- Tamiya rubber tank tread kit (treads, sprockets, axles)
- Precision pre-drilled and pre-cut plastic base -- includes second deck for microcontroller or other electronics
- All construction hardware
- Illustrated assembly instructions

The assembled TankBot measures 6.5 inches long, 4.25 inches wide, and 3.75 inches high. The bottom deck piece is large enough to accommodate one 4-"AA" battery pack, with an available surface area of approximately 3.75 x 2 inches. The top deck measures 4.5 x 2.5 inches, large enough for an OOPic or similar microcontroller, along with a 9-volt battery. The decks are separated by four 1-inch polypropylene-reinforced risers.

The TankBot doesn't include "smarts" -- add a microcontroller, switch box, or other electronics of your choice.



Tamiya sells several tank-like kits, which many robot builders have used as a base for their own creations. The Tamiya kits are okay, but we designed the TankBot with added features, and at a competitive price.

- Tamiya's treaded vehicle kits come with only one deck, and it's made of a fairly dense wood that's hard to cut.

The TankBot uses rigid expanded PVC plastic: it's lighter than wood and is easy to cut and drill, yet it's very strong.

- Though one of their treaded vehicle kits comes with a motor, it's designed to power both treads at once. You need to purchase a second motor, or a Twin Motor gearbox, in order to enable the vehicle to turn! All the extras just add to your costs.
- TankBot comes with a second deck for mounting electronics.
- We've adjusted the width-to-length ratio of the treads for typical robotic applications. TankBot turns a lot better!
- The motor mount on the TankBot is adjustable so that you can vary the tension of the treads.

As with all Budget Robotics kits, assembly is straight-forward, and takes less than 20 minutes, including putting together the Twin Motor gearbox. There are no glues or tapes, so the TankBot can be disassembled. This is handy if you want to share one TankBot with several students in a class.

SKU Number:KIT410

Price: \$39.95

Color:

Quantity:

Budget Robotics

A unit of Gordon McComb's Automation Masters
Oceanside, CA 92056

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