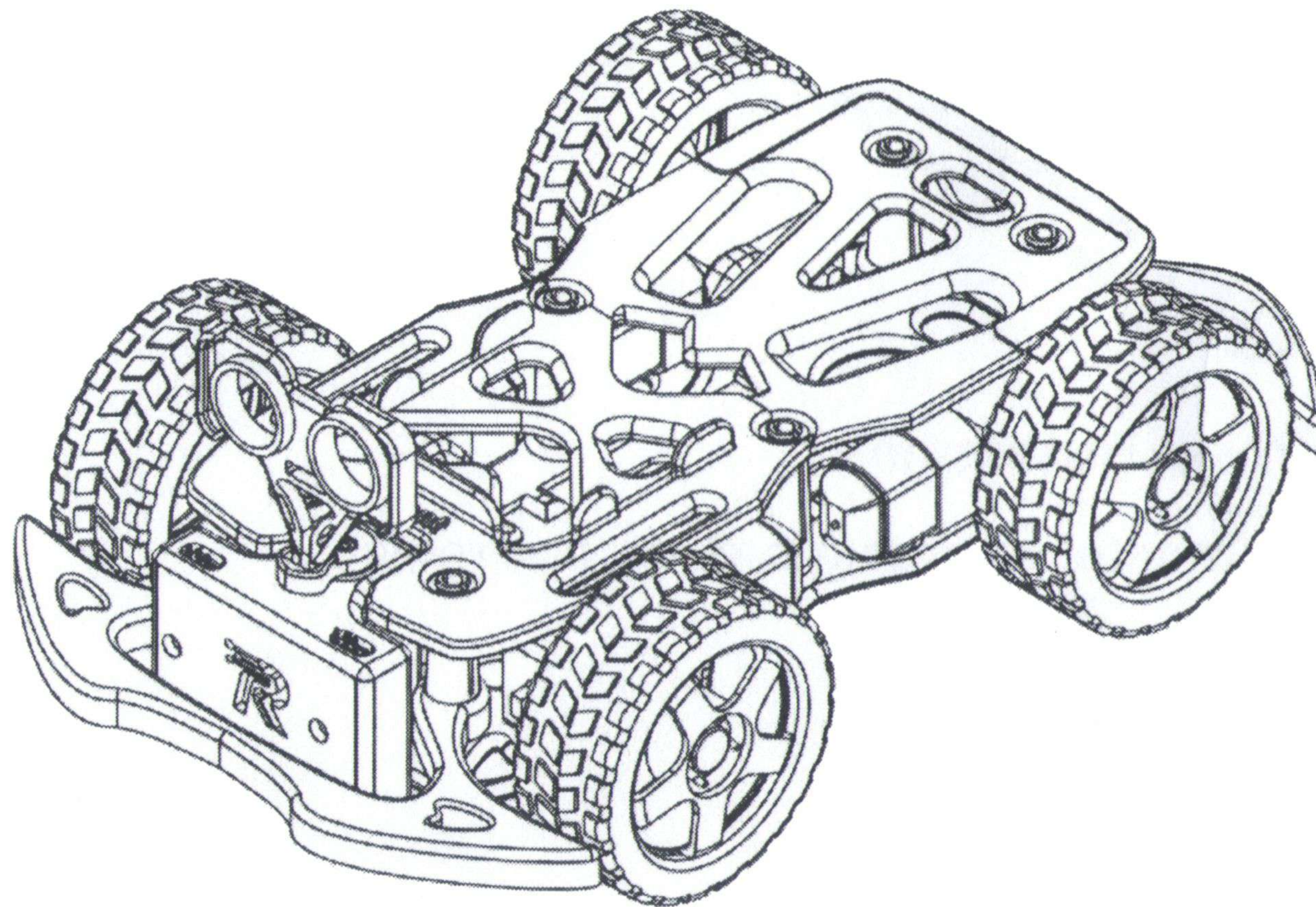


SMART CAR

CHASSIS

Quick Start Assembly Guide

Mechanical • Modular • Sensor-Ready Platform



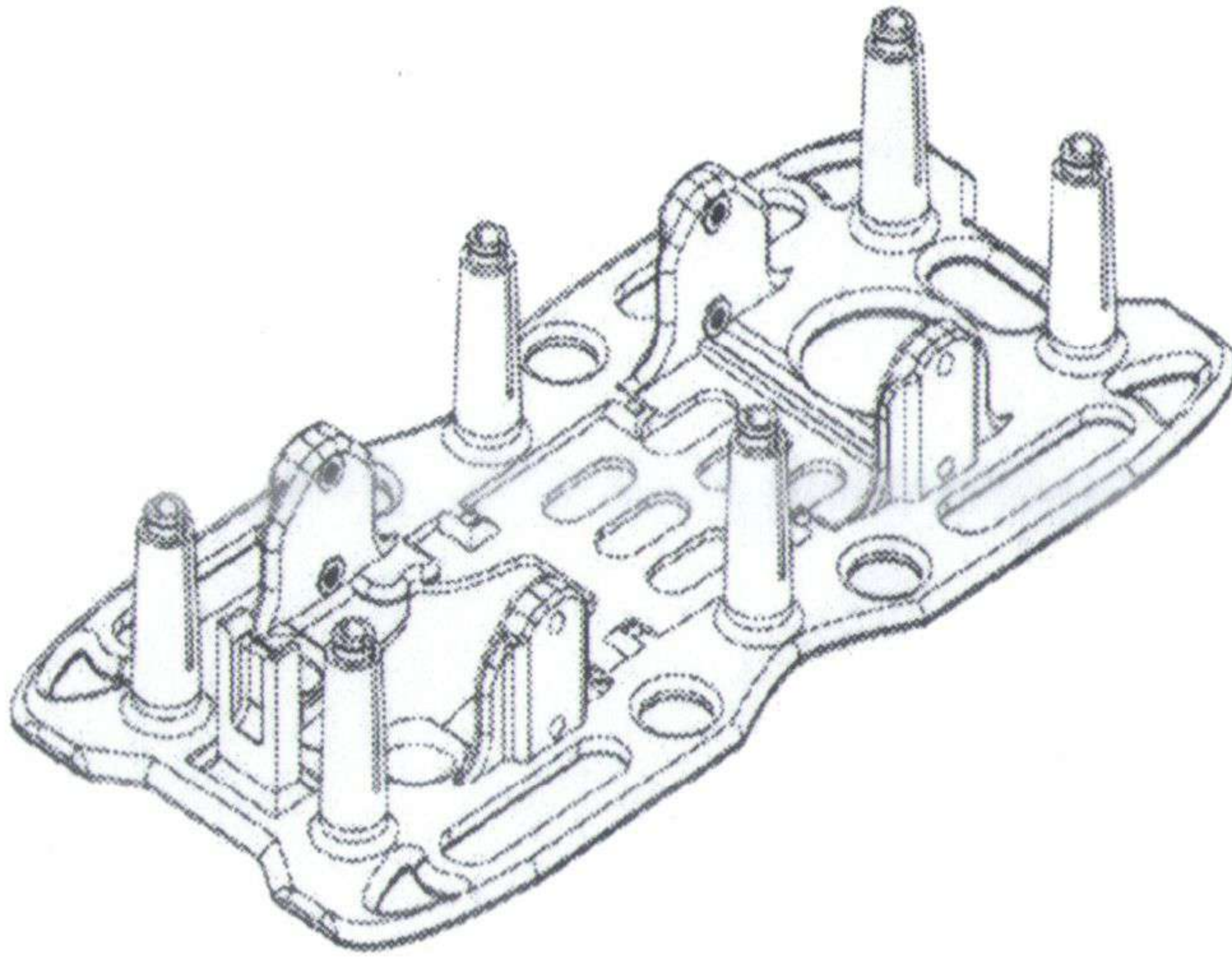
IMPORTANT NOTES

- This product is a mechanical chassis and sensor mounting platform only.
- Sensors, electronics, motors, controller, and wiring are NOT included unless specified.
- Front sensor box is designed to house 2 IR sensors and a servo motor.
- Ultrasonic sensor attaches to the servo-mounted scanning bracket.
- Printed in PLA+. Avoid temperatures above 60 °C. (exposure to direct sunlight)
- Do not use excessive force during assembly.

Quick Start Assembly

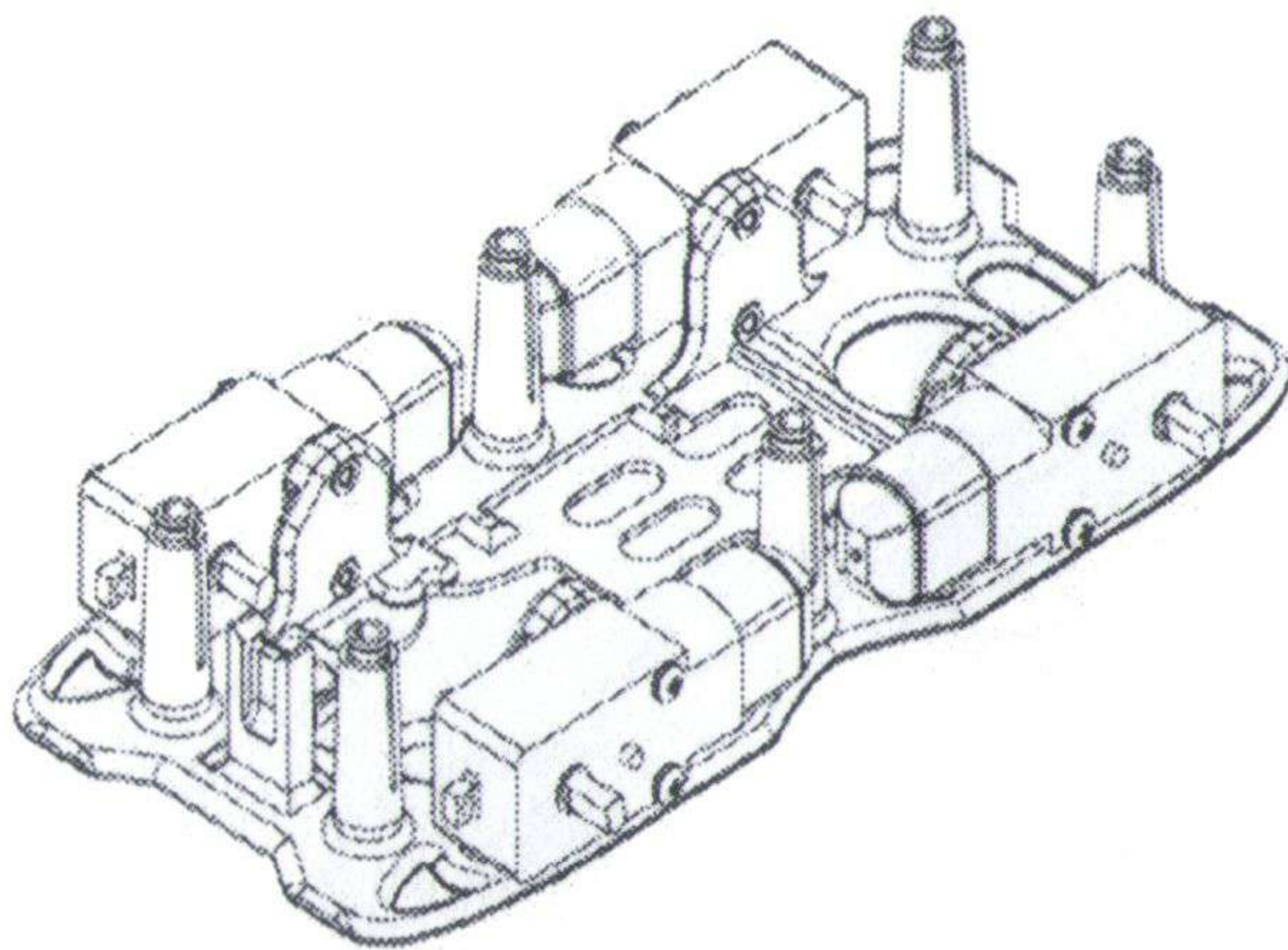
Step 1: Base Plate Preparation

- Place base plate on flat surface
- Mounting features facing upward
- 8 pre-installed M3 nuts provided



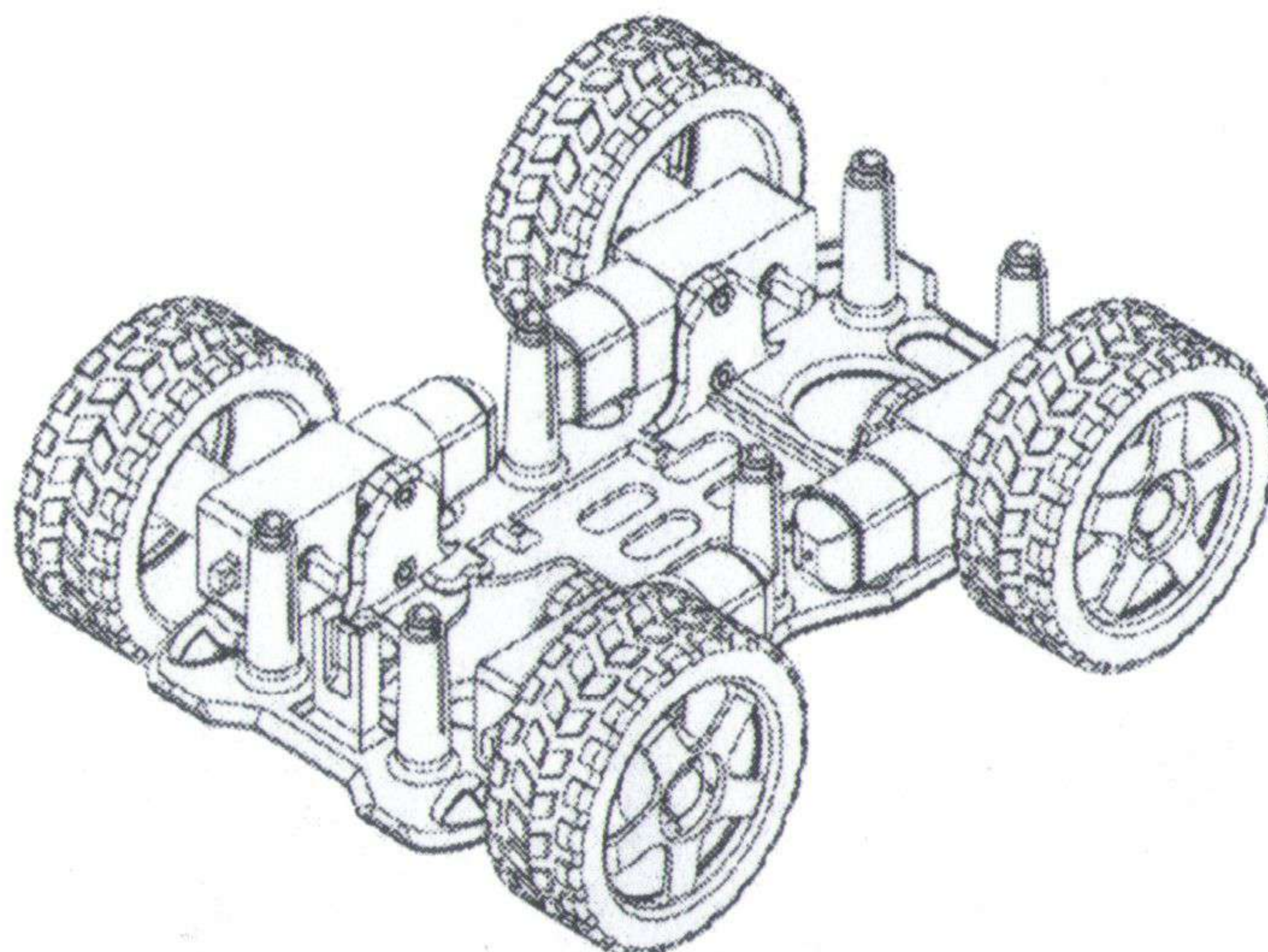
Step 2: Motor Installation

- Align motors exactly as shown
- Motor face must sit flush with base plate wall
- Secure using M3 screws from outer side, don't over tight the screws



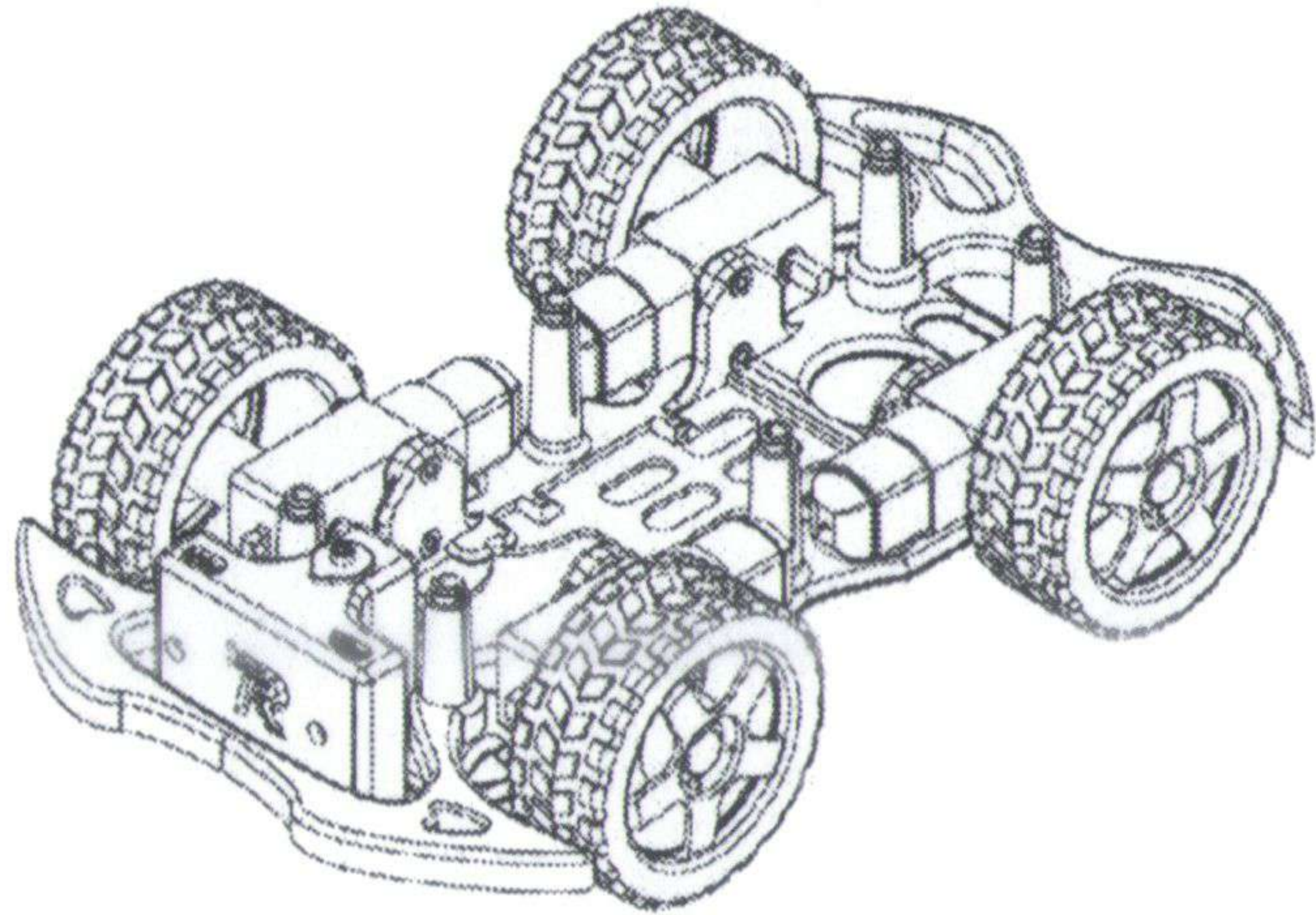
Step 3: Wheel Installation

- Push wheels onto motor shafts, check free rotation



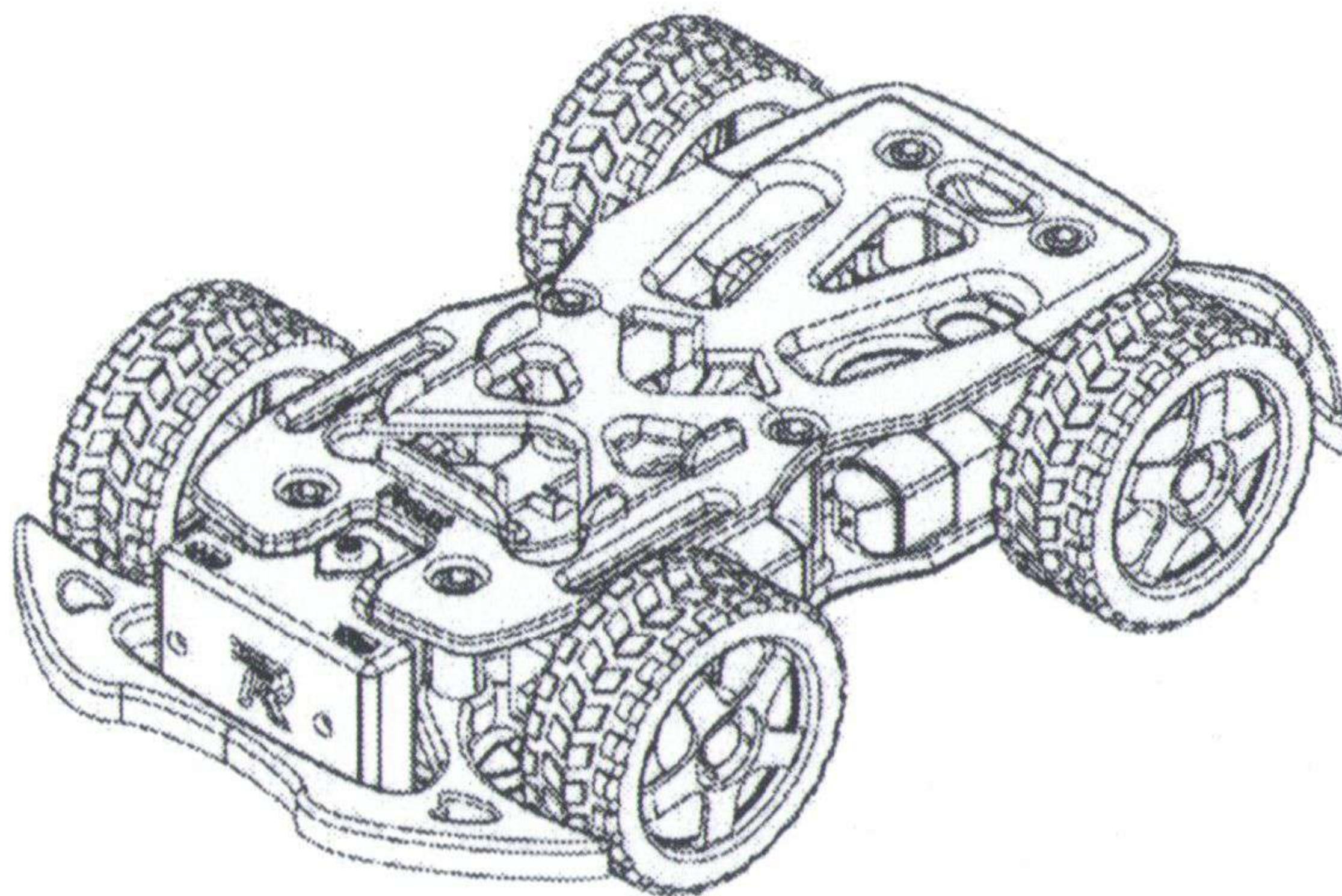
Step 4: Front Bumpers & Sensor Box (Mounting Only)

- Place bumpers over front columns (not press-fit)
- Install front sensor box
- Designed to house IR sensors and servo motor



Step 5: Top Plate Assembly

- Align and snap-fit top plate
- Ensure no wires are trapped



Step 6: Ultrasonic Sensor Mount (Mounting Only)

- Attach ultrasonic mounting plate to servo
- Enables scanning motion
- this step is to be followed only when sensors are integrated within the sensor box

