

TAMIYA 18626

Tamiya 18626 Mini 4WD PRO Series No.26 Avante Mk.3 Azure MS Chassis Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Tamiya 18626 Mini 4WD PRO Series No.26 Avante Mk.3 Azure MS Chassis. This product is a high-performance plastic model assembly kit designed for racing enthusiasts. Please read this manual thoroughly before beginning assembly or operation.

2. SAFETY INFORMATION

- Always read and understand all instructions before beginning assembly.
- This product is recommended for ages 10 years and up. Adult supervision is advised for younger users.
- Keep small parts out of reach of young children to prevent choking hazards.
- Use appropriate tools carefully during assembly to avoid injury.
- Do not operate the Mini 4WD car near open flames, water, or in hazardous environments.

3. PACKAGE CONTENTS

Verify that all components are present before starting assembly:

- Plastic model kit components for the Avante Mk.3 Azure body and MS Chassis
- Double shaft motor
- Wheel and tire set
- Gear set
- Decal sheet
- Product Manual (this document)

Note: Two AA batteries are required for operation and are sold separately. Tools for assembly are also required and not included in this kit.

4. SETUP AND ASSEMBLY

The Tamiya Avante Mk.3 Azure is an assembly kit. Follow the detailed diagrams and instructions provided in

the kit packaging for step-by-step assembly. No glue is required for the main assembly, as parts are designed for snap-fit construction. Some parts feature self-adhesive installation.

4.1 MS Chassis Overview

The MS Chassis provides excellent rigidity and stability. It features a 'Midship (MS) layout' with heavy components like the double-shaft motor and batteries positioned in the center. This design, combined with the traditional 4WD mechanism, ensures stable performance even at high speeds.

The chassis consists of three main sections: the nose, center, and tail. These sections can be attached and removed with a single touch, allowing for quick and varied settings adjustments. The low center of gravity design is achieved by positioning the batteries on both sides of the motor.

4.2 Key Assembly Steps

1. Assemble the MS Chassis sections (nose, center, tail) as per the kit instructions.
2. Install the double shaft motor into the center chassis unit.
3. Attach the wheels and tires securely.
4. Assemble the Avante Mk.3 Azure body, including the large rear wing and cockpit rectifier.
5. Apply the included decals to the body for the distinctive white, red, and blue graphics.



Image of the fully assembled Tamiya Avante Mk.3 Azure Mini 4WD car. The car features a blue and white body with red accents, white wheels, and a black chassis. The 'AVANTE MK.III AZURE' logo is visible on the rear wing.

5. OPERATING INSTRUCTIONS

1. Once assembly is complete, ensure all parts are securely fastened.
2. Insert two fresh AA batteries (sold separately) into the designated battery compartment on the chassis. Ensure correct polarity.
3. Locate the power switch (refer to your kit's specific diagrams for exact placement) and slide it to the 'ON' position.
4. Place your Mini 4WD car on a flat, clean track or suitable racing surface.
5. The double-shaft motor will engage, providing power to all four wheels for forward motion.
6. To stop the car, slide the power switch to the 'OFF' position.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Tamiya Mini 4WD car.

- **Cleaning:** After each use, gently clean the chassis and body with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or solvents.
- **Inspection:** Periodically inspect all moving parts, including gears, axles, and wheels, for any signs of wear, damage, or obstructions.
- **Motor Care:** Ensure the motor and gear components are free from dust and foreign particles. Lubricate gears lightly with Tamiya-recommended grease if necessary (sold separately).
- **Battery Contacts:** Check battery contacts for corrosion. Clean with a cotton swab if needed. Remove batteries when the car is not in use for extended periods.
- **Tightness:** Verify that all screws and snap-fit connections remain secure.

7. TROUBLESHOOTING

- **Car does not move:**
 - Check if the batteries are correctly installed and fully charged.
 - Ensure the power switch is in the 'ON' position.
 - Verify that the motor is properly connected and free from obstructions.
- **Car runs slowly or inconsistently:**
 - Replace old batteries with new ones.
 - Clean the motor and gear components to remove any dust or debris that might be causing friction.
 - Inspect the wheels and axles for any binding or damage.
- **Car veers off course:**
 - Check the alignment of the wheels and ensure they are securely attached.
 - Inspect the chassis for any damage or warping.
 - Ensure all guide rollers (if installed) are functioning correctly.

8. SPECIFICATIONS

Product Dimensions	2.36 x 9.06 x 5.51 inches (60 x 230 x 140 mm)
Finished Length	6.0 inches (152 mm)
Finished Width	3.6 inches (92 mm)
Item Weight	0.704 ounces (20 grams)
Item Model Number	18626-000
Manufacturer Recommended Age	10 years and up
Batteries Required	2 AA batteries (sold separately)
Motor Type	Double Shaft Motor (included)

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or inquiries regarding replacement parts, please refer to the official TAMIYA website or contact your local TAMIYA distributor. Keep your purchase receipt as proof of purchase for any warranty claims.