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## TAMIYA 18714

# Tamiya 1/32 Jr Racing Mach Frame Kit (Model 18714) Instruction Manual

Brand: TAMIYA | Model: 18714

## INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Tamiya 1/32 Jr Racing Mach Frame Kit. This model car features a unique body design, chosen in a 2018 Mini 4WD design competition, and is mounted on the advanced FM-A chassis.

### Key Features:

- Mini 4WD model assembly kit.
- The FM-A Chassis is molded in Metallic Gray ABS.
- A Parts are Black low-friction POM.
- The 4-piece body comes molded in White ABS. It is made up of A, B and C cowling components, plus a central spine piece.
- Comes with dedicated metallic sticker designs to decorate the body and color red, blue and black areas.



Image: The fully assembled Tamiya 1/32 Jr Racing Mach Frame Kit, showcasing its distinctive red, white, and blue body

on a black chassis.



Image: The product box art for the Tamiya 1/32 Jr Racing Mach Frame Kit, displaying the assembled model and branding.

## Safety Information

Please read all safety warnings before assembly and operation of this product.

- **Small Parts:** This kit contains small parts and is not suitable for children under 16 years of age due to choking hazards.
- **Sharp Edges:** Exercise caution during assembly as some plastic parts may have sharp edges. Use appropriate tools and wear protective eyewear if necessary.
- **Adhesives/Paints:** If using adhesives or paints (not included), ensure proper ventilation and follow the manufacturer's safety guidelines.

## Parts List

The Tamiya 1/32 Jr Racing Mach Frame Kit includes the following main components:

- Metallic Gray ABS FM-A Chassis
- Black low-friction POM A Parts (under panel, etc.)
- 4-piece White ABS body (A, B, C cowling components, plus a central spine piece)
- Dedicated metallic sticker designs
- Smoke color metal-plated A-spoke wheels
- Low-profile tires
- 3.5:1 gears
- Motor (typically included in Mini 4WD kits, refer to packaging for confirmation)



Image: The four main body components of the Mach Frame kit, molded in white ABS plastic, ready for assembly and sticker application.



Image: The black FM-A chassis with white A-spoke wheels and low-profile tires attached, showing the front motor layout.

## ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your Tamiya Jr Racing Mach Frame Kit. For detailed diagrams, please refer to the printed instruction manual included in the box.



1. **Unpack Components:** Carefully remove all parts from their packaging. Verify that all components listed in the Parts List are present.
2. **Chassis Assembly:** Begin by assembling the FM-A Chassis. Attach the low-friction POM A parts (such as the skid bar and under panel) to the Metallic Gray ABS chassis as indicated in the manual.
3. **Motor and Gear Installation:** Install the motor into the front motor unit of the chassis. Carefully assemble and install the 3.5:1 gears, ensuring they mesh smoothly.
4. **Wheel and Tire Assembly:** Attach the low-profile tires to the smoke color metal-plated A-spoke wheels. Then, mount the assembled wheels onto the chassis axles.
5. **Body Assembly:** Assemble the 4-piece White ABS body. This involves connecting the A, B, and C cowling components with the central spine piece. Ensure all connections are secure.
6. **Body Mounting:** Mount the assembled body onto the FM-A Chassis.
7. **Sticker Application:** Apply the dedicated metallic sticker designs to the body. These stickers provide the red, blue, and black color accents and detailed markings.
8. **Final Checks:** Ensure all parts are securely fastened and that the wheels spin freely.

Your browser does not support the video tag.

Video: A product overview video demonstrating the components and some assembly steps for a Tamiya Mini 4WD kit, similar to the Mach Frame Kit.



Image: A close-up view of the front section of the assembled Tamiya Mach Frame, highlighting the detailed bodywork and front rollers.

Once your Tamiya Jr Racing Mach Frame Kit is fully assembled, it is ready for operation.

- **Battery Installation:** Insert two AA batteries (not included) into the battery compartment of the chassis. Ensure correct polarity.
- **Power On:** Locate the power switch on the chassis (refer to your printed manual for exact location) and turn it to the 'ON' position.
- **Placement:** Place the model on a smooth, flat surface or a dedicated Mini 4WD track. The FM-A chassis, with its front motor and advanced aerodynamic themes, is designed for stability on various track types, including those with frequent elevation changes.
- **Enjoy:** Observe the model's movement and performance.

## MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Tamiya Jr Racing Mach Frame Kit.

- **Cleaning:** After each use, gently clean the chassis, body, and wheels to remove dust, dirt, and debris. A soft brush or cloth is recommended.
- **Inspection:** Periodically inspect all moving parts, including gears, axles, and wheels, for any signs of wear, damage, or misalignment.
- **Lubrication:** Apply a small amount of Tamiya-recommended grease or lubricant to the gears and bearings to reduce friction and ensure smooth operation.
- **Battery Care:** Remove batteries when the model is not in use for extended periods to prevent leakage and damage.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

## TROUBLESHOOTING

If you encounter any issues with your Tamiya Jr Racing Mach Frame Kit, refer to the following common troubleshooting tips:

- **Model does not move:**
  - Check if batteries are correctly installed and fully charged.
  - Ensure the power switch is in the 'ON' position.
  - Verify that the motor is properly seated and connected, and that the gears are engaged.
- **Poor performance or reduced speed:**
  - Inspect for any debris or hair caught in the gears or around the axles.
  - Ensure all screws and parts are securely fastened, but not overtightened, which could cause excessive friction.
  - Consider cleaning and lubricating the gears and bearings.
- **Model veers off track or runs unevenly:**
  - Check the alignment of the wheels and axles. Ensure they are straight and not bent.
  - Verify that the tires are properly seated on the wheels and are not damaged.
  - Inspect the chassis for any damage or warping that might affect stability.



SPECIFICATIONS

Feature	Detail
Product Dimensions	9.13 x 5.5 x 2.25 inches
Item Weight	6.7 ounces
ASIN	B07MM3WLBB
Item Model Number	TAM18714
Manufacturer Recommended Age	16 years and up
Manufacturer	Tamiya
Date First Available	January 11, 2019
Chassis Type	FM-A (Front Motor, Aerodynamic)
Gear Ratio	3.5:1
Body Material	ABS Plastic
A Parts Material	Low-friction POM

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Tamiya 1/32 Jr Racing Mach Frame Kit, please refer to the official Tamiya website or contact your local Tamiya distributor. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

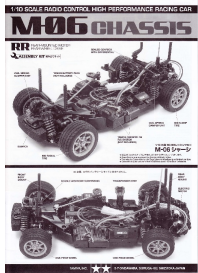
Related Documents - 18714

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[Tamiya DB01 SR 1/10 Scale 4WD R/C Off-Road Racer Chassis Kit Assembly Manual](#)

Detailed assembly instructions for the Tamiya DB01 SR, a high-performance 1/10 scale 4WD R/C off-road racer chassis kit. This manual guides enthusiasts through building the model, offering insights into its components and construction for optimal performance.



[Tamiya M-06 Chassis: Radio Control Car Assembly Manual](#)

Comprehensive assembly guide for the Tamiya M-06 Chassis 1/10 scale radio-controlled high-performance racing car. Includes parts list, step-by-step instructions, safety precautions, operating procedures, and troubleshooting.



[Tamiya 1/8th Scale Rover Mini Cooper Racing RC Car Assembly Instructions](#)

Detailed assembly instructions for the Tamiya 1/8th scale Rover Mini Cooper Racing 4WD glow-engine RC car. Includes parts lists, step-by-step building guides, setup, and troubleshooting.



[Tamiya TT-01 Type E Chassis: 1/10 Scale 4WD Radio Control Car Assembly Manual](#)

Comprehensive assembly manual for the Tamiya TT-01 Type E 1/10 scale 4WD shaft-driven radio control racing car chassis. Includes parts lists, operation procedures, safety guidelines, and troubleshooting tips.