

V8 II

Mini V8 Engine Kit User Manual

Model: V8 II (UGIENRHV)

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Mini V8 Engine Kit, Model V8 II. This highly detailed and functional model is designed for enthusiasts and offers a unique opportunity to understand the inner workings of a V8 engine.

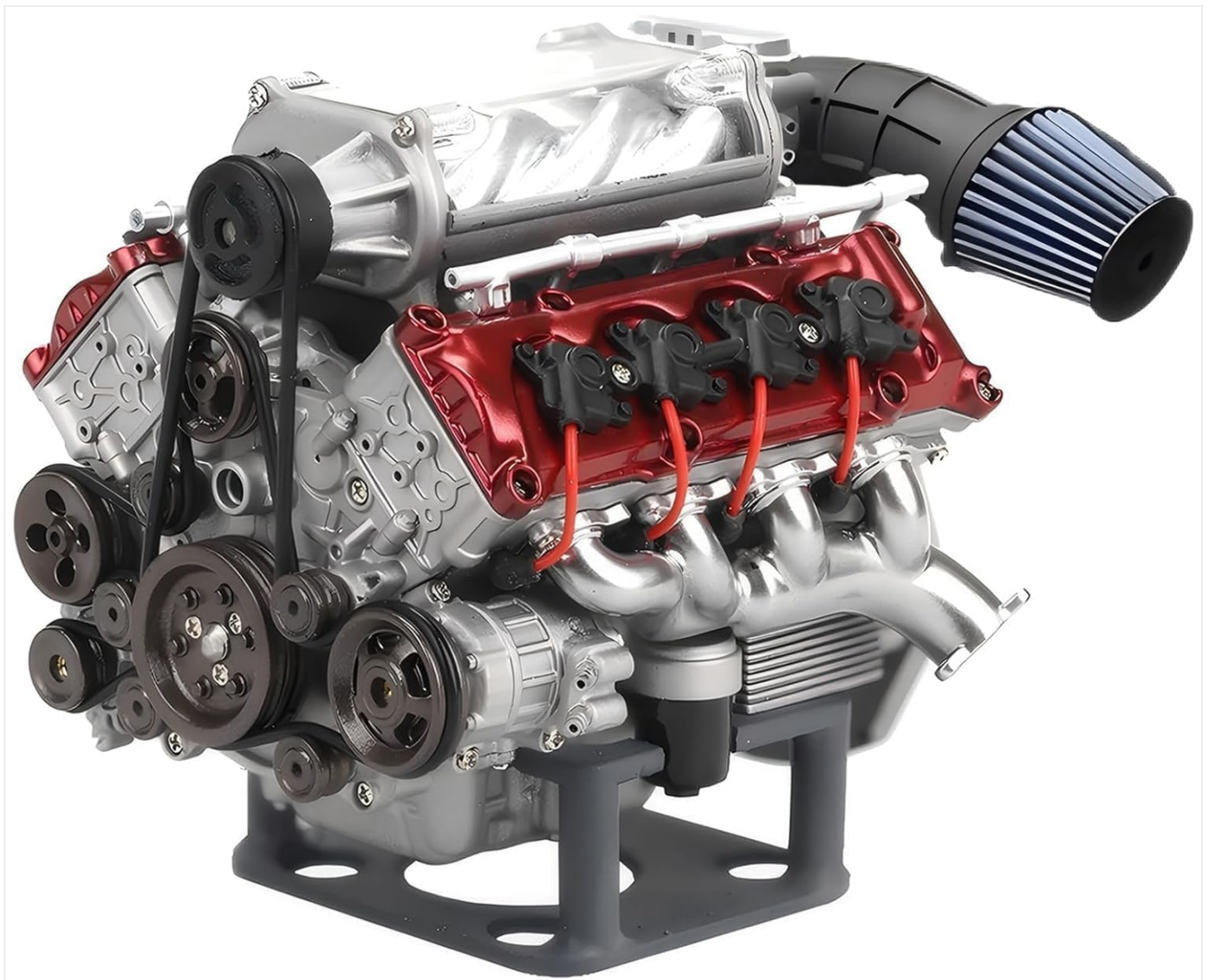
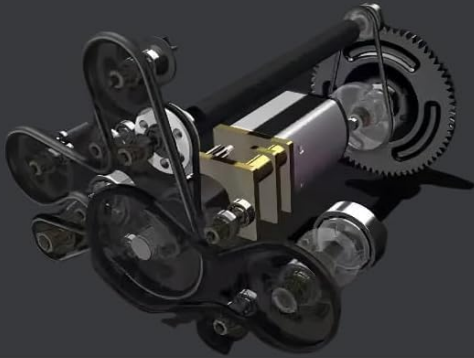


Figure 1.1: Front view of the assembled Mini V8 Engine Kit.

Unlike static models, this Cison V8 engine model is fully functional and runs when powered up. It features a full bearing structure in the drive section for stability and reliability in a miniature space. The kit is designed to accurately represent the structural principles of a V8 internal combustion engine, including the output flywheel, tiered cylinder head, and power driver board plug connector.

Mini V8 Engine Kits that Runs

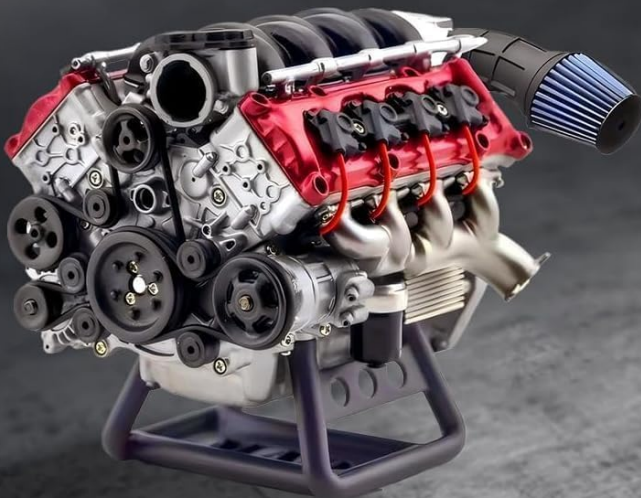


All Bearing Structure

Increased engine stability and reliability when driving.

Upgrade Mad V8 Engine II

For the perfect combination of micro-engine and real mechanical supercharger.



Mad V8 Engine I



Mad V8 Engine II

Figure 1.2: Illustration of the all-bearing structure for increased stability and a comparison between V8 Engine I and V8 Engine II, highlighting the mechanical supercharger in V8 II.

2. SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small Parts.

This product contains small parts which may pose a choking hazard. Keep all components and the assembled model away from young children (under 3 years of age) and pets. Adult supervision is recommended during assembly and operation.

The engine is an XLA high-precision 3D printed resin model. Its parts are delicate and fragile. Handle with care during assembly and use to prevent damage.

3. WHAT'S IN THE BOX

Your Mini V8 Engine Kit package includes the following components:

- V8 Engine Kit Set (all necessary parts for assembly)
- Online Instructions (refer to this manual)

Note: The engine kit does **not** include a stand. You will need to choose a suitable engine stand according to your model car or purchase one separately. The package also does not include installation stands for RC models; these must be ordered as needed.

4. ASSEMBLY INSTRUCTIONS

The Mini V8 Engine Kit is a KIT parts version, requiring DIY assembly. This process is designed to be a challenging and satisfying experience, enhancing hand-eye coordination and providing a comprehensive understanding of engine structure.

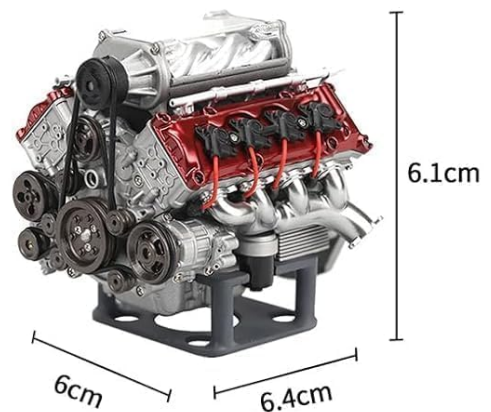
To Build Your Own Car Engine



V8 Engine



V8 Engine + Supercharger



***Note:** The package not include the stand, the picture shows the shooting needs!

Figure 4.1: Disassembled components of the V8 Engine Kit, including supercharger parts, ready for assembly.

Approximately 95% of the parts are pre-painted, with the remaining 5% requiring finishing by the user. Follow the detailed steps provided in the online instructions (this manual) to assemble your engine.

4.1 General Assembly Tips

- Carefully unpack all components and verify against the parts list (if provided separately).
- Organize parts before beginning assembly to ensure all pieces are accounted for.
- Handle delicate resin parts with extreme care to avoid breakage.
- Follow the assembly sequence precisely as outlined in the instructions.
- Ensure all connections are secure but avoid excessive force, which could damage components.



Figure 4.2: An individual engaged in the assembly process of the Mini V8 Engine Kit, demonstrating the hands-on nature of the build.

5. OPERATING THE ENGINE

Once assembled, your Mini V8 Engine Kit is designed to run when powered up. This allows for a simulated operation, showcasing the perfect combination of a mini engine and a real mechanical supercharger.

It is necessary to simulate the operation of the V8 engine model by powering it on achieving a perfect combination of a mini engine and a real mechanical supercharger.

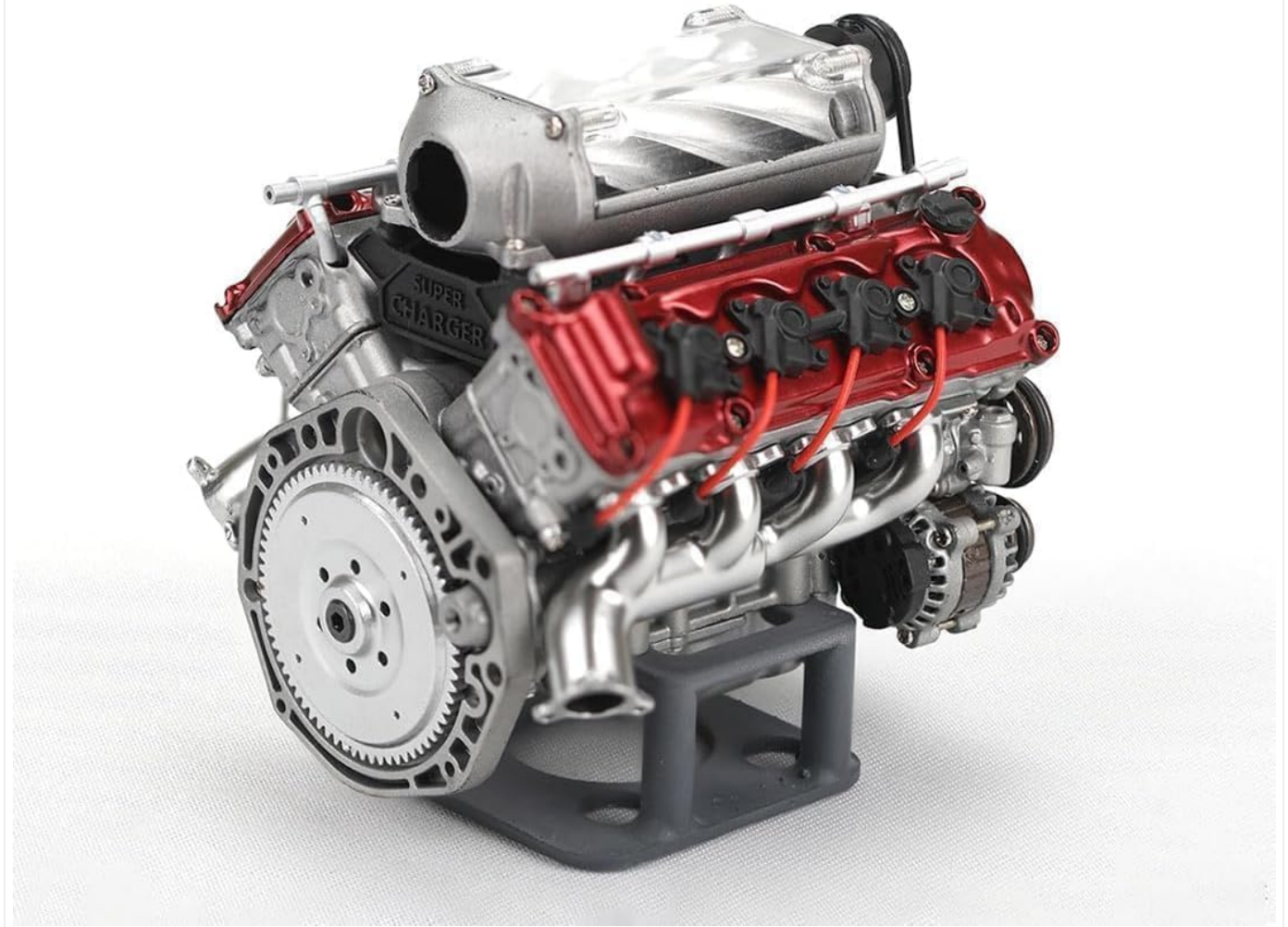


Figure 5.1: The assembled V8 engine model, ready to be powered on to simulate its operation and demonstrate the mechanical supercharger.

5.1 Powering On

1. Ensure all connections are secure and the engine is placed on a stable surface or mounted correctly on a compatible stand (not included).
2. Connect the power source to the designated power driver board plug connector. Refer to the specific power requirements for your model (details typically found on the power driver board or accompanying documentation).
3. Activate the power source. The engine should begin to run, demonstrating its functional capabilities.

The running engine adds a dynamic element, allowing you to observe the miniature inner workings of a V8 engine in action.

6. VERSATILE COMPATIBILITY

The simulated V8 engine is designed for versatile compatibility with a wide range of RC models. Installing this engine can

significantly enhance the realism and dynamic appeal of your RC car.

Variety of RC models

such as AX90104, SCX10, Capra, VS4-10 Pro/Ultra

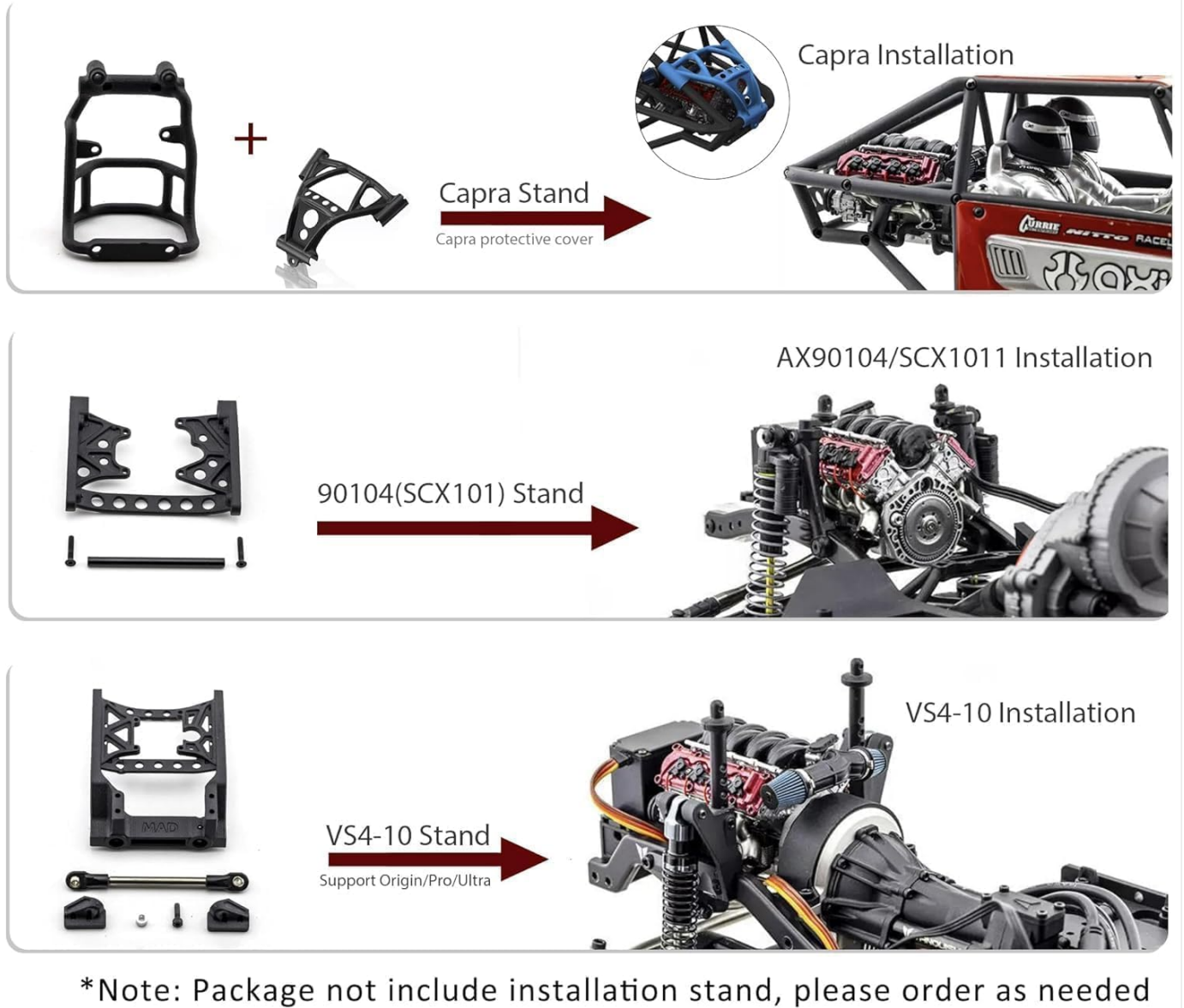


Figure 6.1: Illustrations demonstrating the compatibility of the V8 engine with different RC models, including Capra, AX90104/SCX10, and VS4-10, along with their respective stand types.

Compatible RC models include, but are not limited to:

- AX90104
- SCX10II
- Capra
- VS4-10 Pro/Ultra

Please ensure you acquire the correct installation stand for your specific RC model, as these are not included with the engine kit.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Mini V8 Engine Kit, follow these general maintenance

guidelines:

- **Cleaning:** Gently wipe the model with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive materials, which can damage the resin and painted surfaces.
- **Storage:** Store the engine in a cool, dry place away from direct sunlight and extreme temperatures. Protect it from impacts and falls.
- **Handling:** Always handle the model with care, especially the delicate and fragile parts. Avoid applying excessive force during operation or adjustments.
- **Moving Parts:** Periodically check for any loose connections or components. If the engine's operation becomes less smooth, ensure no debris is obstructing moving parts.

8. TROUBLESHOOTING

If you encounter any issues with your Mini V8 Engine Kit, consider the following basic troubleshooting steps:

- **Engine Not Running:**
 - Verify that the power source is correctly connected and providing adequate power.
 - Check all electrical connections for looseness or damage.
 - Ensure no mechanical obstructions are preventing the engine from moving freely.
- **Unusual Noises:**
 - Inspect for any loose parts or components that might be vibrating.
 - Ensure the engine is securely mounted and not rattling against its stand or RC chassis.
- **Damaged Parts:**
 - Due to the delicate nature of the resin parts, accidental damage can occur. If a part is broken, assess if it can be carefully re-adhered with appropriate model adhesive.
 - For significant damage or missing parts, please contact customer support.

For persistent issues or problems not covered here, please refer to the Warranty & Support section for assistance.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	0.79 x 0.39 x 1.18 inches (2 x 1 x 3 cm)
Model Number	UGIENRHV (V8 II)
ASIN	B0F1MMZNFS
Manufacturer Recommended Age	18 months and up (Note: Due to small parts and complexity, adult supervision is highly recommended for younger users, and the kit is generally intended for adult enthusiasts.)
Manufacturer	UGIENRHV

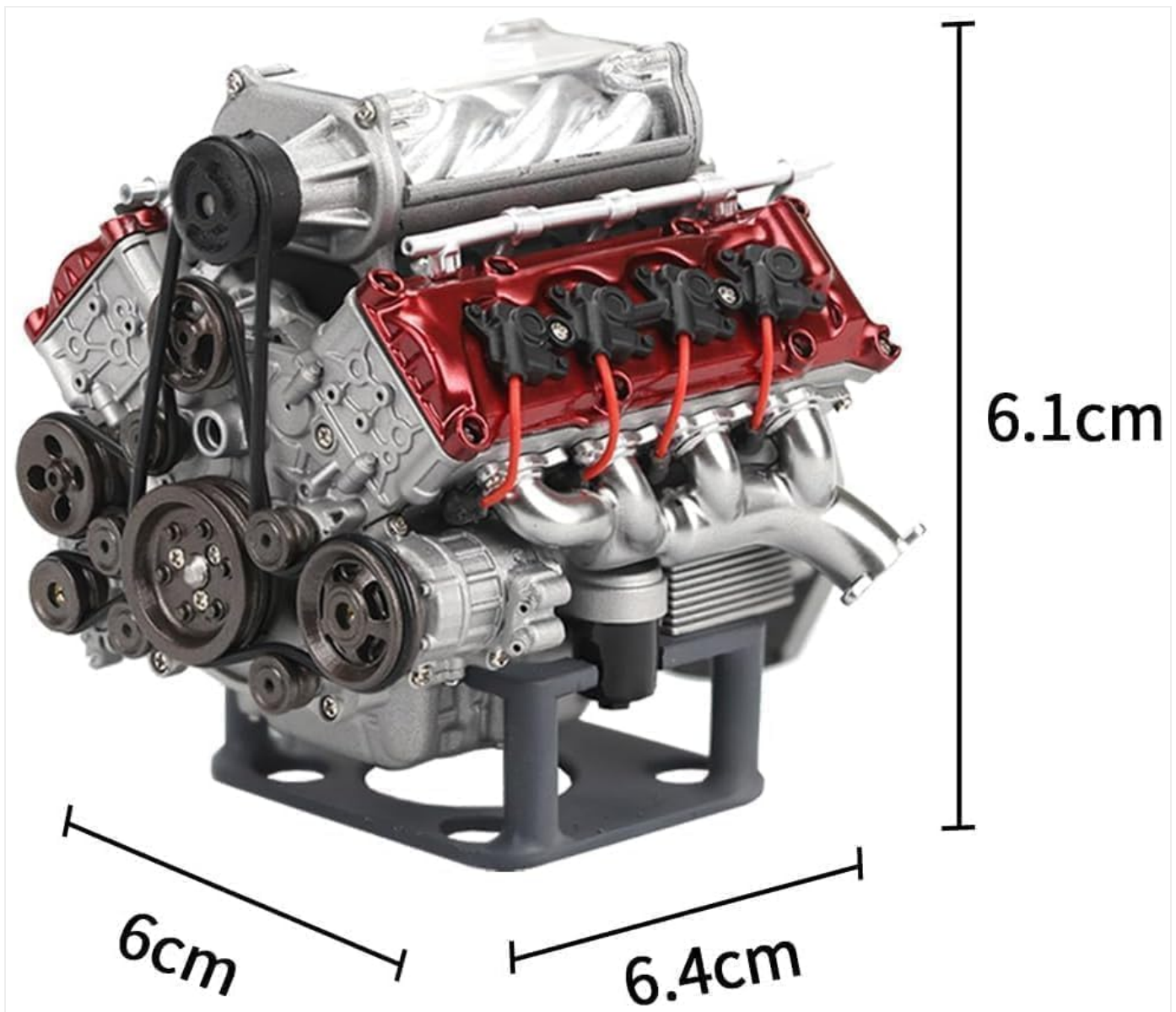


Figure 9.1: Detailed dimensions of the Mini V8 Engine Kit.

10. AFTER-SALES SERVICE AND SUPPORT

Your satisfaction is our priority. If you encounter any problems when using your Mini V8 Engine Kit, please do not hesitate to contact us. We are committed to providing comprehensive support and will do our best to resolve any issues you may experience.

For assistance, please reach out to our customer service team through the platform where you purchased the product or via the contact information provided by the seller.

We assure you of our full support and dedication to your experience with our product.