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Henglong 1/16 RC Tank BB Shooting Airsoft Unit Instruction Manual

Brand: Heng Long | **Model:** 1/16 RC Tank BB Shooting Airsoft Unit

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the Henglong 1/16 RC Tank BB Shooting Airsoft Unit. Failure to follow these instructions may result in damage to the unit or other components.

- This product is recommended for users aged **14 years and up**. Adult supervision is advised for younger users.
- **Compatibility Warning:** This unit is designed for RC tanks **without** a barrel recoil function. If your RC tank model includes a barrel recoil mechanism, **do not use this unit** as it may cause damage to both the airsoft unit and the tank's recoil system.
- Always wear appropriate eye protection when operating or observing the firing of BBs.
- Never aim the unit at people or animals.
- Use only recommended BBs (e.g., 6mm plastic BBs). Using incorrect ammunition may damage the unit.
- Keep small parts and BBs out of reach of young children to prevent choking hazards.

PRODUCT OVERVIEW

The Henglong 1/16 RC Tank BB Shooting Airsoft Unit is a replacement or upgrade component designed to enable BB firing functionality in compatible 1/16 scale RC tanks. This unit facilitates the loading and firing of plastic BBs, enhancing the realism and interactive capabilities of your RC tank model.



Figure 1: Front-side view of the Henglong 1/16 RC Tank BB Shooting Airsoft Unit. This image displays the main housing and the firing mechanism's output port.

PACKAGE CONTENTS

Upon opening the package, please verify that all listed items are present and undamaged:

- Henglong 1/16 RC Tank BB Shooting Airsoft Unit (1x)
- BBs (Quantity as supplied)
- *Note: Additional components such as wiring harnesses or mounting hardware may be included depending on the specific kit version. Refer to your product packaging for a complete list.*

SETUP AND INSTALLATION

Before beginning installation, ensure your RC tank's power is off and the battery is disconnected. This unit is intended for installation within compatible Henglong 1/16 RC tanks.

Installation Steps:

1. **Prepare the Tank:** Carefully open your RC tank's chassis according to its specific service manual to access the internal components.
2. **Locate Mounting Area:** Identify the designated mounting area for the BB shooting unit, typically near the turret's barrel mechanism.
3. **Mount the Unit:** Securely fasten the Henglong BB shooting unit into the tank's chassis using appropriate screws or clips (not included, typically part of the tank's original assembly). Ensure the unit is stable and does not obstruct other moving parts.
4. **Connect Wiring:** Connect the unit's wiring harness to the corresponding port on your tank's main control board. Refer to your tank's wiring diagram for correct polarity and connection points. The unit typically requires power and a signal connection for firing.
5. **Barrel Alignment:** Ensure the output nozzle of the BB shooting unit aligns correctly with the tank's barrel. Adjust as necessary to prevent BBs from getting stuck.
6. **Initial Test:** Before reassembling the tank, connect the battery and perform a brief functional test to ensure the unit powers on and the firing mechanism responds to commands.
7. **Reassemble Tank:** Once confirmed operational, carefully reassemble the RC tank's chassis.



Figure 2: Side view of the airsoft unit, highlighting the integrated wiring harness for connection to the RC tank's control system.

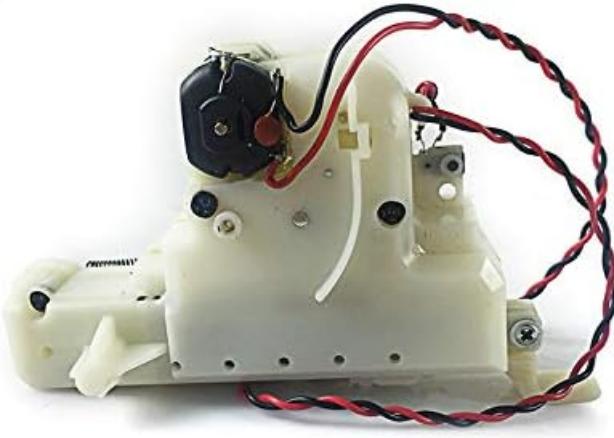


Figure 3: Alternate side view of the airsoft unit, showing the motor and gear assembly responsible for the BB firing action.

OPERATING INSTRUCTIONS

Loading BBs:

1. Ensure the tank's power is off before loading BBs.
2. Locate the BB loading port on the top or side of the airsoft unit (or the tank's turret, if integrated).
3. Carefully pour or insert the recommended 6mm plastic BBs into the loading port. Do not overfill.
4. Close the loading port cover securely to prevent BBs from falling out during operation.

Firing Mechanism:

- Power on your RC tank and its remote control.
- Refer to your RC tank's remote control manual for the specific button or joystick command that activates the BB firing function.
- When the firing command is issued, the airsoft unit will propel a single BB out of the tank's barrel.
- Allow a brief moment between shots for the unit to cycle and load the next BB. Rapid firing may reduce performance or cause jams.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your BB shooting unit.

- **Cleaning:** Periodically inspect the BB loading port and barrel for any debris or stuck BBs. Use a soft brush or compressed air to clear obstructions. Ensure the unit is powered off before cleaning.
- **Storage:** When not in use, store the unit (and the tank) in a cool, dry place away from direct sunlight and extreme temperatures. Remove all BBs from the unit before long-term storage.
- **Inspection:** Regularly check wiring connections for looseness or damage. Ensure all mounting screws are tight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not fire.	<ul style="list-style-type: none">◦ No power to the unit.◦ Incorrect wiring connection.◦ No BBs loaded.◦ Remote control command not registered.	<ul style="list-style-type: none">◦ Check tank battery and power switch.◦ Verify wiring harness connections to the main board.◦ Load BBs into the unit.◦ Ensure remote control is paired and functioning correctly.

Problem	Possible Cause	Solution
BBs are not ejecting or getting stuck.	<ul style="list-style-type: none"> Incorrect BB size or type. Obstruction in the barrel or loading mechanism. Unit misalignment with tank barrel. 	<ul style="list-style-type: none"> Use only recommended 6mm plastic BBs. Clear any debris or stuck BBs from the unit and barrel. Re-align the unit within the tank's chassis.
Unit makes unusual noises.	<ul style="list-style-type: none"> Internal obstruction. Loose mounting. 	<ul style="list-style-type: none"> Power off and inspect for foreign objects. Ensure the unit is securely mounted within the tank.

SPECIFICATIONS

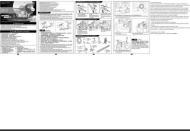
Feature	Detail
Product Name	Henglong 1/16 RC Tank BB Shooting Airsoft Unit
Model Compatibility	1/16 Scale RC Tanks (<i>without</i> barrel recoil function)
ASIN	B08FB1PVS8
Manufacturer	Henglong
Recommended Age	14 years and up
Item Weight	4.9 ounces
Package Dimensions	5.31 x 3.98 x 3.35 inches

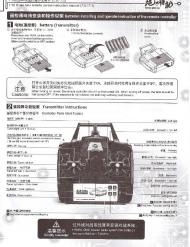
WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the official Henglong website or contact your retailer. Specific warranty terms may vary by region and retailer.

For further assistance, you may also contact the seller, Toucan RC Hobby, through the platform where the purchase was made.

Related Documents - 1/16 RC Tank BB Shooting Airsoft Unit

	<p>Henglong Work Boat Radio Control Boat User Manual and Operation Guide</p> <p>Comprehensive instructions for the Henglong Work Boat radio control toy boat, covering setup, charging, operation, assembly, and maintenance. Learn how to safely operate and enjoy your remote control boat.</p>
	<p>Heng Long German Panther Type G 1/16 Scale Battle Tank Instruction Manual</p> <p>Detailed instruction manual for the Heng Long German Panther Type G 1/16 Scale Battle Tank, covering assembly, parts, and operation.</p>
	<p>HENG LONG U.S. M1A2 ABRAMS 3918-1 RC Tank Assembly Instructions</p> <p>Detailed assembly instructions and parts guide for the HENG LONG U.S. M1A2 ABRAMS 3918-1 Radio Controlled Tank model kit. Includes steps for applying decals and installing accessories.</p>

	<p><u>Heng Long 1/16 RC Tanks Quick Start Guide</u></p> <p>A quick start guide for Heng Long 1/16 scale RC tanks, covering immediate post-unboxing steps, radio operation, and basic functions. Includes a wiring diagram and component layout.</p>
	<p><u>Heng Long 1:16 Scale Tank Remote Control Manual (7.0/7.1)</u></p> <p>Comprehensive instruction manual for Heng Long 1:16 scale remote control tanks, covering battery installation, remote controller functions, and mainboard socket comparisons for versions 7.0 and 7.1.</p>
	<p><u>CYMA CM.030 Electric Airsoft Gun: Operation, Maintenance, and Parts Guide</u></p> <p>Comprehensive guide for the CYMA CM.030 electric airsoft gun, covering firing modes, clearing jams, battery installation, parts identification, magazine handling, and safety instructions.</p>