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› [The Learning Journey](#) /

› The Learning Journey Techno Gears Dragon Bot Model 419755 Instruction Manual

The Learning Journey 419755

The Learning Journey Techno Gears Dragon Bot Instruction Manual

Model: 419755

INTRODUCTION

This instruction manual provides guidance for the assembly, operation, and maintenance of your The Learning Journey Techno Gears Dragon Bot. This construction set is designed to encourage building skills and introduce basic mechanical principles through engaging play. It includes over 60 colorful construction pieces and a power motor to create a moving dragon model. This product aligns with STEM (Science, Technology, Engineering, and Math) standards, promoting problem-solving, tactile skills, and creativity.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Toy contains small parts. Not for children under 3 years.

Recommended for ages 6-12 years. Adult supervision is recommended during assembly and play. Ensure all parts are securely connected to prevent detachment during operation.

WHAT'S IN THE BOX

Your Techno Gears Dragon Bot package should contain the following components:

- Over 60 colorful construction pieces
- 1 Power Motor
- Instruction booklet (this manual)

Please check all contents against the packaging list. If any parts are missing or damaged, contact customer support.

SETUP

Battery Installation

The power motor requires two (2) "AA" batteries (not included).

1. Locate the battery compartment on the power motor.
2. Using a small screwdriver (not included), open the battery compartment cover.

3. Insert two "AA" batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover and secure it with the screw.

Important Battery Information:

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Remove batteries if the toy is not used for an extended period.
- Dispose of used batteries responsibly.

ASSEMBLY INSTRUCTIONS

The Techno Gears Dragon Bot is a construction set designed for creative assembly. The following steps provide a general guide to building your model. Refer to the visual aids for detailed component placement.

Step 1: Foundation Building

Begin by connecting the base interlocking pieces to form the main body structure of the Dragon Bot. Ensure connections are firm.



Includes more than 60
colorful construction pieces!

Image: The set includes over 60 colorful construction pieces for building.

Step 2: Integrating Gears

Attach the various gears to the structural pieces. Pay close attention to how the gears interlock to ensure smooth rotation. The design allows for exploration of gear ratios.



Image: Observe how the gears interlock to demonstrate the science of gear ratio.

Step 3: Attaching the Power Motor

Securely attach the power motor to the designated area on the main body. Connect the motor's drive shaft to the primary gear system. Ensure the connection is firm but allows for free movement of the gears.

Step 4: Adding Decorative and Functional Elements

Complete the Dragon Bot by adding the remaining pieces, including the head, wings, wheels, and other decorative elements. Ensure that any moving parts, such as wings or wheels, are correctly aligned with the gear system to function properly.



Action-packed construction set that moves and works!

Image: The completed Dragon Bot is an action-packed construction set that moves and works.

Assembly Video Guide

For a visual guide on assembling your Techno Gears Dragon Bot, please refer to the official video below.

Your browser does not support the video tag.

Video: Official assembly and demonstration of the Techno Gears Dragon Bot. This video showcases the building process and the final moving model, highlighting its mechanical features and educational benefits.

OPERATING INSTRUCTIONS

Once your Techno Gears Dragon Bot is fully assembled and batteries are installed in the power motor:

1. Locate the ON/OFF switch on the power motor.
2. Flip the switch to the "ON" position.
3. The motor will activate, causing the gears to turn and the Dragon Bot to move.
4. To stop the Dragon Bot, flip the switch back to the "OFF" position.

Ensure the Dragon Bot is placed on a flat, clear surface for optimal movement.

MAINTENANCE

- **Cleaning:** Wipe the Dragon Bot with a dry or slightly damp cloth. Do not immerse the motor or any electronic components in water.
- **Storage:** Store the toy in a cool, dry place away from direct sunlight when not in use.
- **Battery Care:** Remove batteries if the toy will not be used for an extended period to prevent leakage.
- **Part Inspection:** Periodically check all connections and gears for wear or damage. Replace any broken parts if possible, or contact customer support.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dragon Bot does not move.	1. Batteries are dead or incorrectly installed. 2. Power switch is OFF. 3. Gears are not properly engaged or are jammed. 4. Motor is faulty.	1. Replace batteries with new "AA" batteries, ensuring correct polarity. 2. Flip the power switch to "ON". 3. Check all gear connections and ensure they rotate freely. Remove any obstructions. 4. Contact customer support if motor is suspected to be faulty.
Parts break easily during assembly.	1. Excessive force applied during connection. 2. Incorrect part alignment.	1. Apply gentle, even pressure when connecting pieces. 2. Double-check the instruction diagrams for correct part orientation before attempting to connect. 3. If parts are broken, contact customer support for replacements.
Movement is inconsistent or jerky.	1. Gears are not fully engaged or are misaligned. 2. Low battery power. 3. Obstruction in the gear mechanism.	1. Re-examine gear connections and ensure they mesh smoothly. 2. Replace batteries. 3. Inspect the gear system for any small debris or misaligned pieces.

SPECIFICATIONS

- **Model Number:** 419755
- **Product Dimensions:** 11.42 x 3.03 x 10.55 inches
- **Item Weight:** 1.76 pounds
- **Manufacturer Recommended Age:** 6 - 12 years
- **Batteries Required:** 2 x "AA" (not included)
- **Manufacturer:** The Learning Journey International
- **Release Date:** January 25, 2022

WARRANTY AND SUPPORT

The Learning Journey International stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official The Learning Journey website.

For technical support, missing parts, or any inquiries regarding your Techno Gears Dragon Bot, please contact The Learning Journey customer service:

- **Website:** www.tlji.com
- **Email:** Refer to website for contact form or email address.
- **Phone:** Refer to website for phone number.

Please have your model number (419755) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question