

REDS

R A C I N G

Instruction Manual - REDS Xtract Tool™

Introduction

Thank you for choosing the REDS Xtract Tool™, a specialized tool designed to safely remove the engine cylinder without causing damage to components. Please follow the instructions below for proper use.

Compatibility

- **Buggy Engines:** Compatible with cylinders measuring 16.26mm, perfect for off-road setups: 521 Sport, 721 Scuderia and 721 Superveloce.
- **Pista & GT Engines:** Specifically tailored for cylinders measuring 16.0mm, ideal for on-road and GT configurations: 521 GTS, 721 Pista.

Cylinder Extraction Procedure

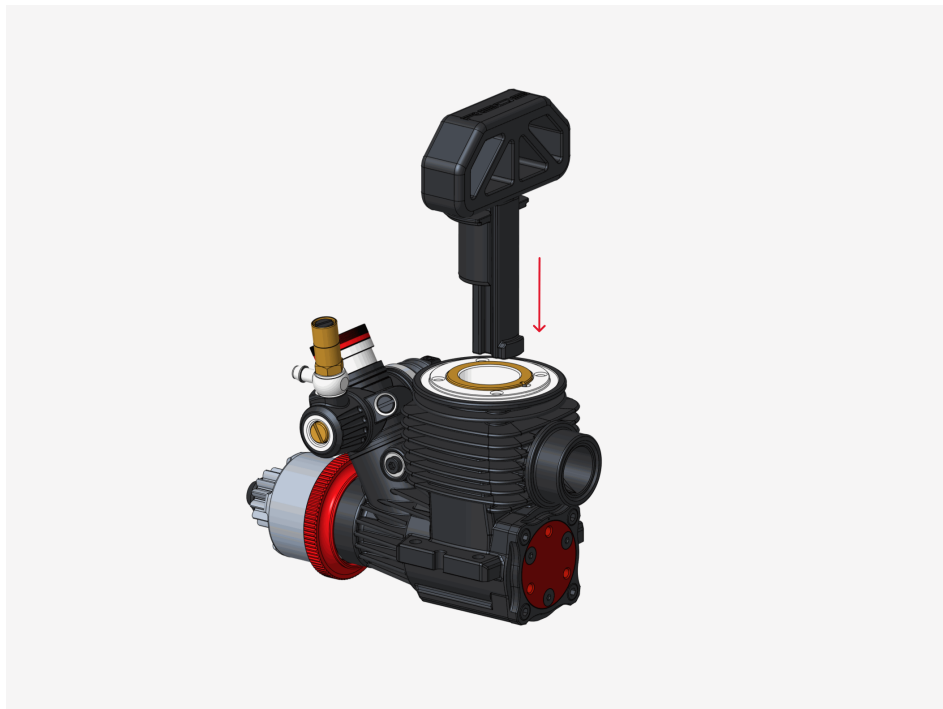


Figure 1: Position the Tool.

1. Preparation

1. Ensure the engine is turned off and cool to the touch to avoid burns.
2. Remove the engine from the vehicle if necessary, and take off the cooling head and any other components blocking access to the cylinder.
3. **Remove the head button (combustion chamber)** to ensure full access to the cylinder.

2. Piston Positioning

1. Manually rotate the flywheel to bring the **piston to the bottom dead center (BDC)**.

3. Preparing the Tool

1. Slide the cursor of the REDS Xtract Tool™ **toward the tool's handle**.

4. Inserting the Tool

1. Insert the tool into the cylinder through its upper opening.
2. Ensure the **protruding part of the tool enters the exhaust port** on the side of the cylinder.
3. *Note: Position the tool precisely for a proper grip.*

5. Securing the Tool

1. Slide the cursor of the REDS Xtract Tool™ **downward until it touches the cylinder collar**.
2. *Note: The collar is the base of the cylinder where it fits into the engine crankcase.*

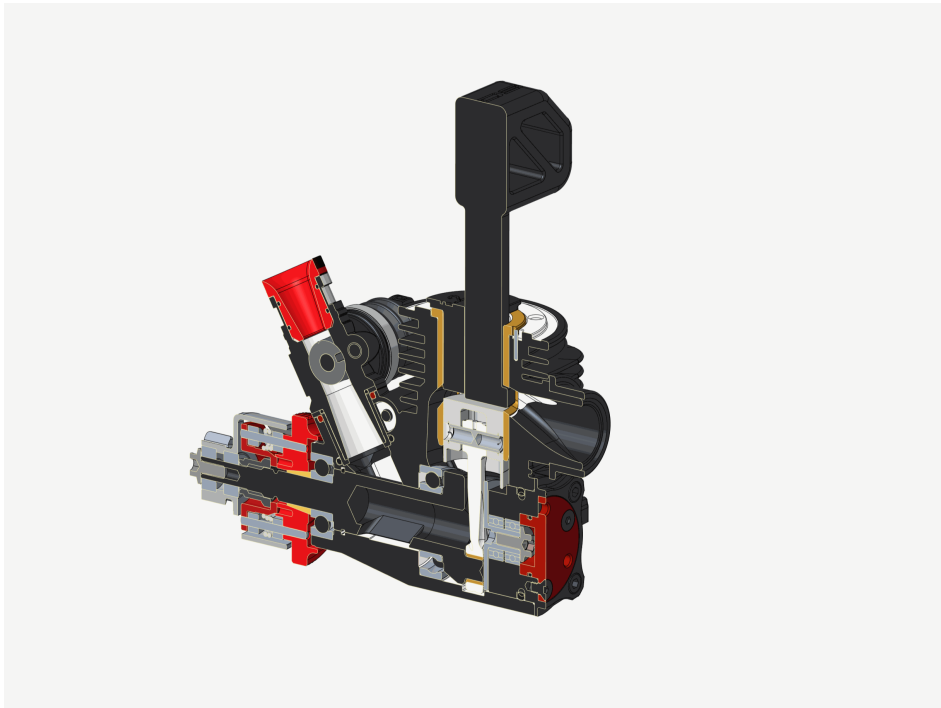


Figure 2: Inserting the Tool.

6. Extracting the Cylinder

1. Firmly grip the tool handle with one hand.
2. Use your **thumb** to leverage against the **top edge of the engine crankcase**.
3. Pull the tool upward with a controlled and steady motion.
4. *Note: If resistance is felt, check the cursor's positioning and repeat the motion.*

7. Completing the Extraction

1. Once the cylinder is removed, inspect it for signs of wear or damage.
2. Store the cylinder and tool in a clean, dry environment.

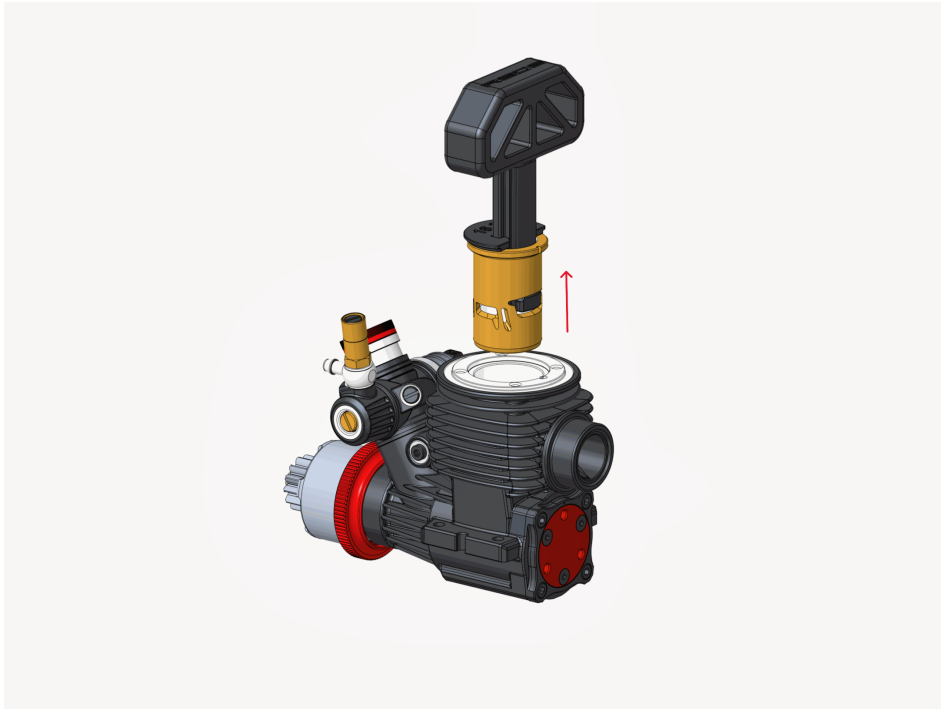


Figure 3: Completing the Extraction.

Tool Maintenance

- After use, clean the REDS Xtract Tool™ with a dry cloth to remove oil or debris.
- Lightly lubricate the cursor mechanism to ensure smooth operation.

Support

For more information or technical support, visit www.reds-racing.com or contact REDS Racing customer service.

Thank you for choosing REDS Racing!