

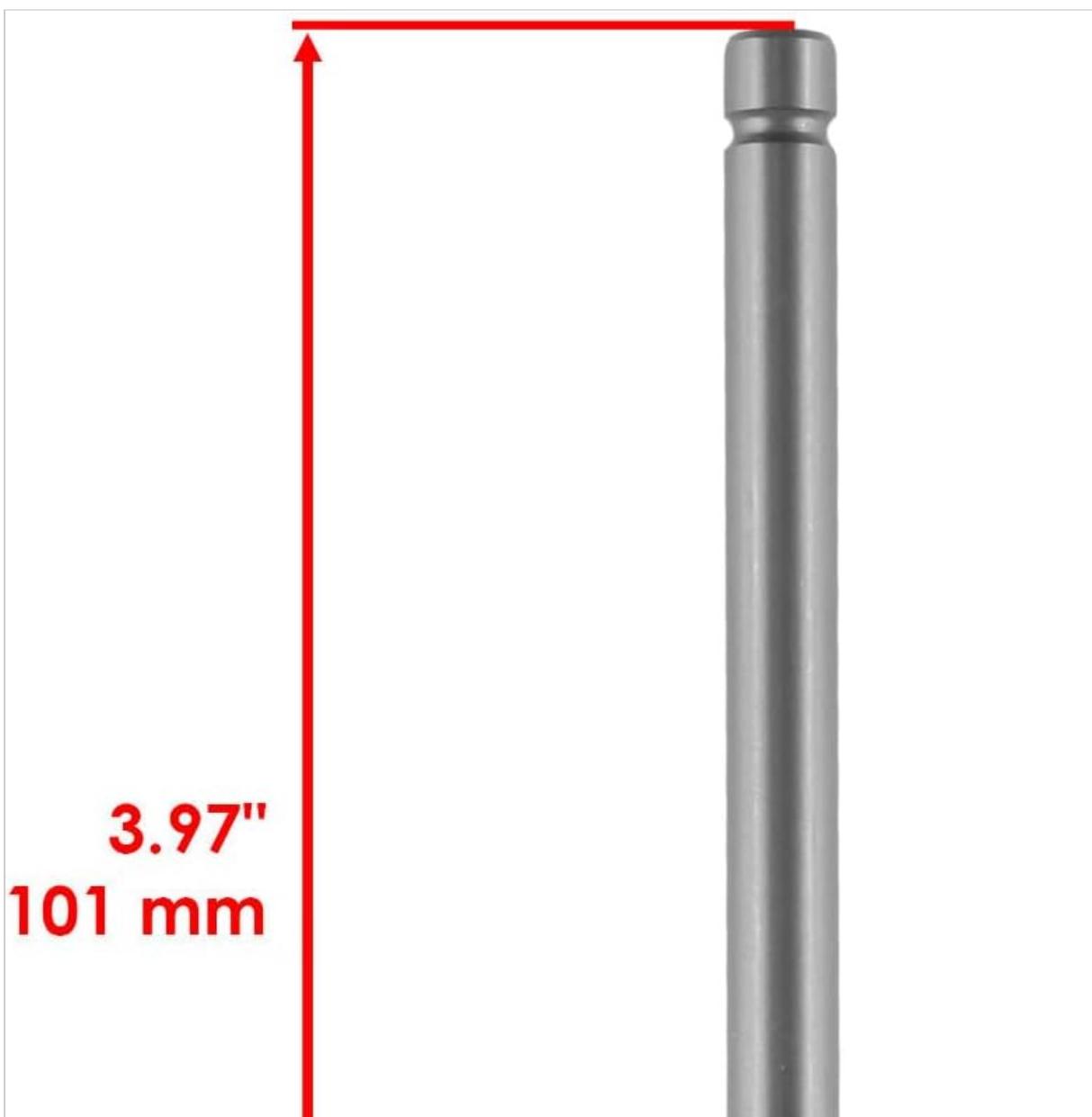
Mod-R36R-66625

Generic Intake Valve Instruction Manual

For Kawasaki Models 12004-1006, 12004-1123

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the Generic Intake Valve, designed as a replacement part for specific Kawasaki powersports models. This valve is engineered to meet OEM specifications, ensuring proper fit and function within your engine system.



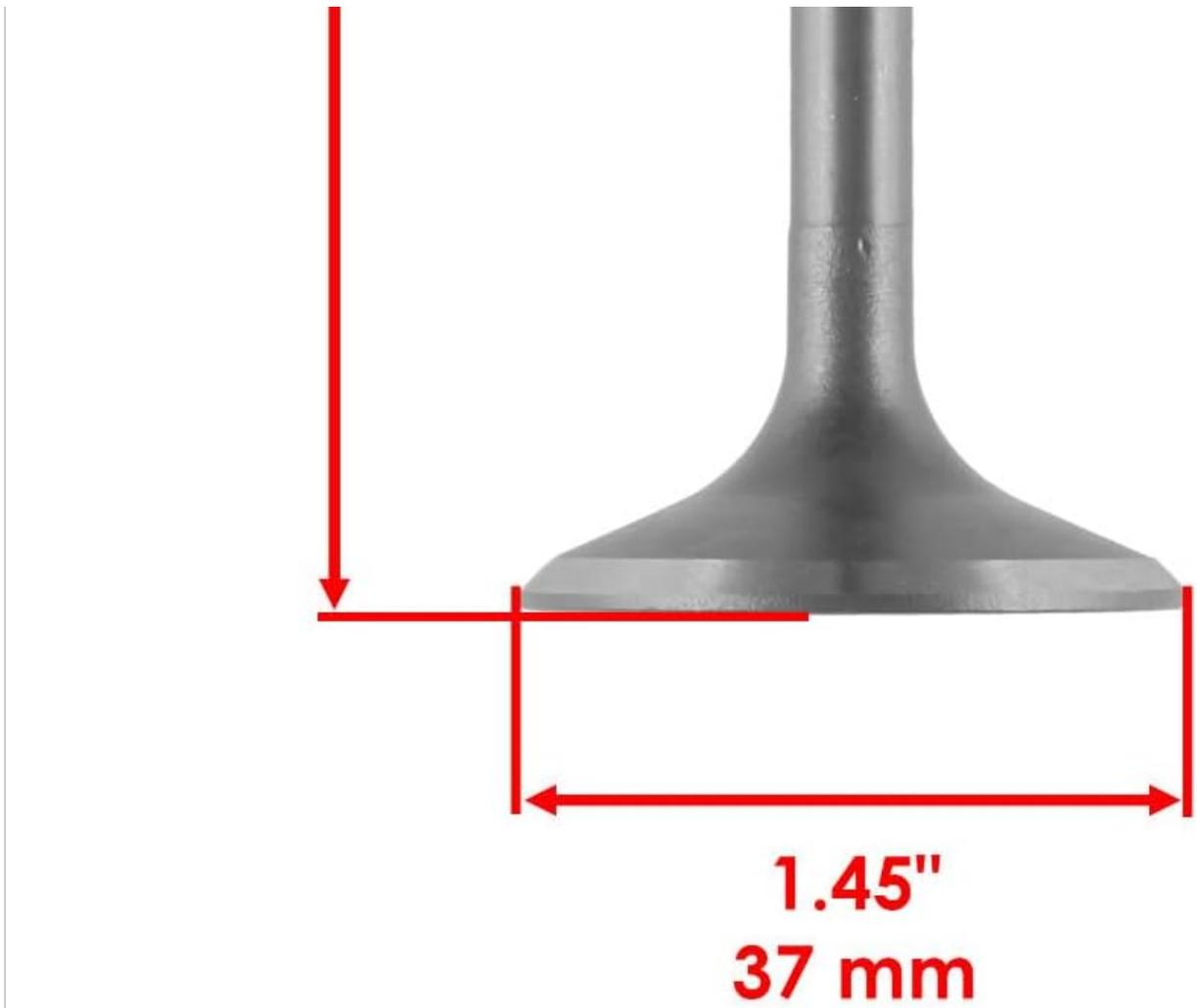


Image 1: Side view of the Generic Intake Valve.

The intake valve is a critical component in the engine's combustion cycle, controlling the flow of air and fuel mixture into the combustion chamber. Proper functioning of the intake valve is vital for engine performance and efficiency.

2. SPECIFICATIONS

The Generic Intake Valve (Model: Mod-R36R-66625) is manufactured with high-quality materials to ensure durability and performance. Key specifications are detailed below:

- **Part Number:** Mod-R36R-66625
- **Compatible Kawasaki OEM Part Numbers:** 12004-1006, 12004-1123
- **Material:** 53Cr21Mn9Ni4N special steel (as per product description)
- **Exterior Finish:** Painted
- **Color:** Black
- **Item Package Quantity:** 1



Image 2: Generic Intake Valve with approximate dimensions. Total length is approximately 3.97 inches (101 mm), and the valve head diameter is approximately 1.45 inches (37 mm).

3. COMPATIBILITY

This intake valve is specifically designed as a replacement for Kawasaki models that utilize OEM part numbers 12004-1006 and 12004-1123. It is suitable for various powersports applications, including ATVs, UTVs, dirt bikes, and snowmobiles, where these specific Kawasaki part numbers are applicable.

Always verify the OEM part number required for your specific vehicle model before installation to ensure correct fitment.

4. SETUP AND INSTALLATION

Installation of engine components, especially valves, requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified mechanic or technician.

General Installation Guidelines (Professional Installation Recommended):

1. **Safety First:** Ensure the engine is cool and disconnected from any power source. Wear appropriate

personal protective equipment (PPE).

2. **Disassembly:** Carefully disassemble the engine components to access the cylinder head and existing valves. Refer to your vehicle's service manual for specific instructions.
3. **Inspection:** Inspect the valve guides, valve seats, and other related components for wear or damage. Replace any worn parts as necessary.
4. **Valve Installation:** Install the new intake valve, ensuring proper alignment and seating. Use a valve spring compressor to install valve springs, retainers, and keepers.
5. **Clearance Adjustment:** Adjust valve clearances according to the manufacturer's specifications for your engine model. Incorrect clearances can lead to poor performance or engine damage.
6. **Reassembly:** Reassemble the engine components, ensuring all bolts are torqued to the manufacturer's specifications.
7. **Testing:** After reassembly, perform a thorough check for leaks and proper engine operation before full use.

This valve is designed for OEM fit and function, meaning it should integrate seamlessly when installed correctly according to manufacturer guidelines.

5. OPERATING CONSIDERATIONS

Once installed, the intake valve operates as an integral part of the engine's valvetrain. No specific user operation is required for the valve itself beyond ensuring the engine is maintained according to its service schedule.

Proper engine operation relies on the correct functioning of all internal components. Any unusual engine noises, loss of power, or misfires after valve replacement should be investigated immediately by a qualified technician.

6. MAINTENANCE

The Generic Intake Valve is constructed from heavy-duty materials (53Cr21Mn9Ni4N special steel) designed for long-lasting strength and reduced wear. While the valve itself is a durable component, its longevity is directly tied to overall engine health and maintenance practices.

Key Maintenance Practices:

- **Regular Oil Changes:** Use the recommended engine oil and adhere to the manufacturer's oil change intervals. Clean engine oil is crucial for lubricating valve stems and guides.
- **Valve Clearance Checks:** Periodically check and adjust valve clearances as specified in your vehicle's service manual. Incorrect clearances can accelerate wear.
- **Fuel Quality:** Use high-quality fuel to prevent carbon buildup on valve heads and seats.
- **Engine Overheating Prevention:** Ensure the engine cooling system is functioning correctly. Excessive heat can damage valve components.
- **Professional Inspections:** Have your engine inspected by a professional during routine service to identify potential issues early.

Each part undergoes strict stress, corrosion, and performance tests to meet or exceed industry standards (SAE, ISO), ensuring reliability and safety. Adhering to these maintenance guidelines will help maximize the lifespan of your intake valve and engine.

7. TROUBLESHOOTING

If you experience engine performance issues after installing the intake valve, consider the following common troubleshooting steps. Always consult a qualified mechanic for diagnosis and repair.

Common Issues and Potential Causes:

- **Engine Misfire or Rough Idling:**
 - Incorrect valve clearance.
 - Improperly seated valve.
 - Damaged valve spring or retainer.
 - Carbon buildup on valve seat.

- **Loss of Engine Power:**
 - Poor valve sealing due to improper installation or wear.
 - Incorrect valve timing (if related components were disturbed).

- **Unusual Engine Noises (e.g., Tapping, Clicking):**
 - Excessive valve clearance.
 - Worn valve lifters or camshaft lobes.

If troubleshooting does not resolve the issue, seek professional assistance. Attempting complex engine repairs without proper tools and expertise can lead to further damage.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Generic Intake Valve, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for any warranty claims.

This product is rigorously tested for safety and validated under SAE/J3060 standards, handling stress, heat, and vibration like OEM parts to ensure stable performance.