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› maXpeedingrods 2-Barrel Carburetor User Manual

maXpeedingrods EL74

maXpeedingrods 2-Barrel Carburetor User Manual

Brand: maXpeedingrods | Model: EL74

1. PRODUCT OVERVIEW

The maXpeedingrods 2-barrel carburetor is a high-performance aftermarket component designed to optimize your engine's fuel delivery and air intake. It is engineered to enhance throttle response and provide a noticeable increase in horsepower, typically between 5-10%.

Key Features:

- Efficiently improves throttle response.
- Maintains fuel consumption close to stock levels.
- Adds 5-10% horsepower for improved engine performance.
- Constructed from robust, high-quality, and durable gray metal.
- Includes mounting gasket and seal for installation.

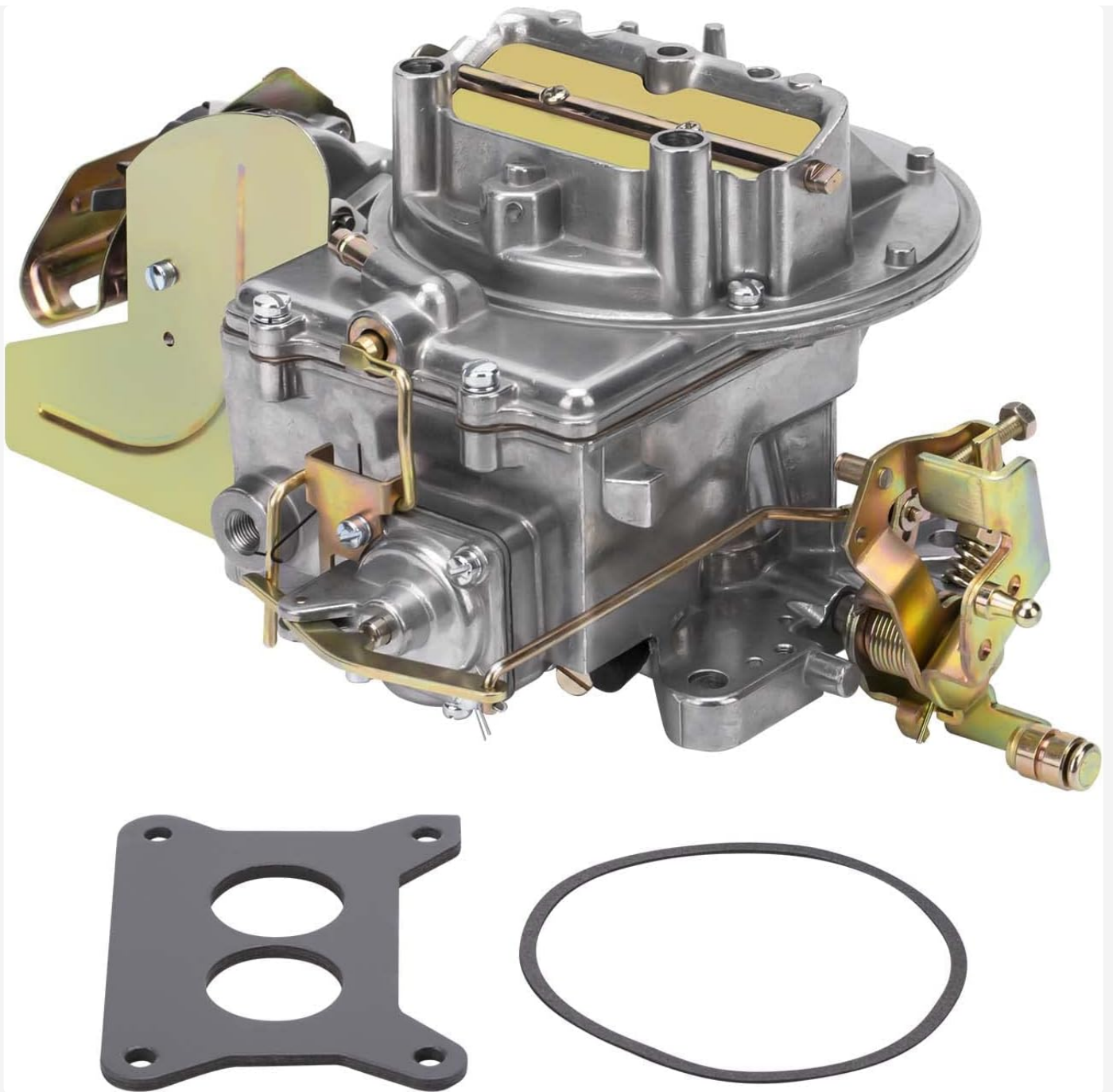


Image: The maXpeedingrods 2-barrel carburetor, shown with the included mounting gasket and seal. This view highlights the main body and various linkages.

2. COMPATIBILITY AND APPLICATION

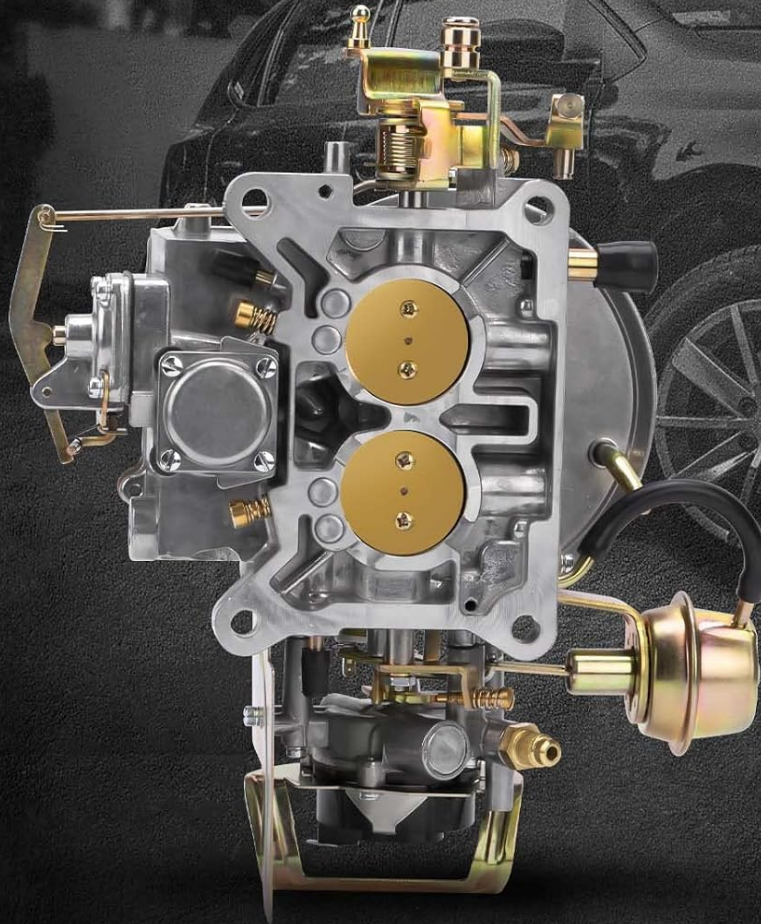
This 2-barrel carburetor (part numbers 2100, 2150, A800) is a direct replacement for various Ford and Jeep models with specific engine displacements. Please verify your vehicle's engine specifications before installation.

Compatible Engine Applications:

- **Ford Mustang:** 1968-1973 models with 289Cu, 302Cu, 351Cu engines.
- **Ford F150/F250:** 1964-1978 models with 289Cu, 302Cu, 351Cu engines.
- **Ford F350:** 1964-1979 models with 289Cu, 302Cu, 351Cu engines.
- **Ford Comet:** 1964-1982 models with 289Cu, 302Cu, 351Cu engines.
- **Jeep Wagoneer:** 1964-1978 models with 360Cu engine.

COMPATIBILITY ENGINES

4.7 L 289 cu/ 5.0 L 302 cu/ 5.8L 351 cu



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Image: Visual representation of engine compatibility, highlighting 4.7L (289 cu), 5.0L (302 cu), and 5.8L (351 cu) engines.

3. SPECIFICATIONS

Detailed technical specifications for the maXpeedingrods 2-barrel carburetor:

Specification	Value
Manufacturer	maXpeedingrods
Model Number	EL74
Item Weight	2.85 Kilograms
Product Dimensions (L x W x H)	29.5 x 23.5 x 17 cm

Specification	Value
Mounting Bolt (Center to Center)	131 mm x 9 cm
Air Intake Hole Diameter	39.7 mm
Choke Air Horn Outer Diameter	130 mm
Venturi Size	29.5 mm (1.16 inch)
Exterior Finish	Aluminum



Image: Detailed view of the carburetor highlighting key dimensions such as air intake hole diameter, mounting bolt spacing, and choke air horn diameter.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your new carburetor. It is recommended that installation be performed by a qualified mechanic if you are not experienced with automotive repairs. Always ensure safety precautions are followed, including disconnecting the battery.

General Installation Steps:

1. Disconnect the battery cables.
2. Remove the air cleaner and any air intake ductwork.
3. Identify and remove all vacuum hoses and other connections.
4. Remove any linkages.
5. Disconnect the fuel supply line.
6. Remove the old carburetor.
7. Prepare to install the replacement carburetor (ensure mounting surface is clean).
8. Install the replacement carburetor with the new gaskets.
9. Check the carburetor for leaks after initial setup.
10. Complete the installation by reconnecting all components.

Important Note: The oil channels of the carburetor are blocked without cleaning. Please clean the oil channels, air filters, and ensure clean fuel before installing the carburetor.

How To Replace A Carburetor On Most Cars

1. Disconnecting the battery cables
2. Removing the air cleaner and any air intake ductwork
3. Identifying and removing all of the vacuum hoses and other connections
4. Removing any linkages
5. Disconnecting the fuel supply line
6. Removing the old carburetor
7. Preparing to install the replacement carburetor
8. Installing the replacement carburetor
9. Checking the carburetor for leaks
10. Completing the installation



Image: A visual guide outlining the general steps for replacing a carburetor on most cars.

INSTALLATION EFFECT



Image: An example of the carburetor installed within an engine bay, demonstrating its fit and appearance.

5. OPERATING PRINCIPLES

A carburetor is a device that blends air and fuel for an internal combustion engine. It works by creating a vacuum as air is drawn into the engine, which then pulls fuel from a fuel bowl through a series of jets and passages. This mixture is then atomized and delivered to the engine cylinders for combustion.

This 2-barrel carburetor features an automatic choke, which helps enrich the fuel-air mixture during cold starts, ensuring smoother engine operation until it reaches optimal temperature.

6. MAINTENANCE

Regular maintenance of your carburetor is essential for its longevity and consistent performance. Neglecting maintenance can lead to various engine issues.

Maintenance Tips:

- **Clean Oil Channels:** As noted during installation, ensure all oil channels within the carburetor are clear and free of debris.
- **Air Filter Inspection:** Regularly inspect and replace your engine's air filter. A clogged air filter can restrict airflow to the carburetor, affecting performance and fuel economy.
- **Fuel Quality:** Always use clean, high-quality fuel. Contaminants in fuel can clog carburetor jets and passages. Consider using a fuel filter if not already present.
- **Linkage Lubrication:** Periodically check and lubricate moving linkages to ensure smooth operation.
- **Gasket Integrity:** Inspect gaskets for signs of wear or leaks. Replace them if necessary to maintain a proper seal.

7. TROUBLESHOOTING

If you experience issues with your engine's performance after installing or while using the carburetor, refer to the common symptoms below. These can help diagnose potential problems.

Symptoms of a Bad Carburetor:

- **Reduced Engine Performance:** Loss of power, poor acceleration.
- **Black Smoke From Exhaust:** Indicates an overly rich fuel mixture.
- **Backfiring or Overheating:** Can be caused by an incorrect fuel-air mixture.
- **Hard Starting:** Difficulty starting the engine, especially when cold.
- **Oil Leaking:** While less common for carburetors directly, related engine issues can manifest.
- **Rough Idling:** Engine runs unevenly or stalls at idle.

If you encounter these symptoms, first check for proper installation, clean fuel, and clear air filters. If problems persist, professional diagnosis may be required.



Image: A diagram illustrating common symptoms associated with a malfunctioning carburetor.

8. WARRANTY AND SUPPORT

Your maXpeedingrods carburetor comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects.

If the item fails within one year due to manufacturing defects, please do not hesitate to contact maXpeedingrods customer support. We are committed to assisting you in resolving any issues you may encounter.

For support inquiries, please refer to the contact information provided with your purchase or visit the official maXpeedingrods website.

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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