xjw1122637nn

Instruction Manual

Generic Carburetor for Craftsman Model 917.273140 Lawn Tractor

Introduction

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of the Generic carburetor designed for Craftsman Model 917.273140 Lawn Tractors. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safe and correct usage.

Safety Information

- Always disconnect the spark plug wire before performing any service or maintenance to prevent accidental engine starting.
- Allow the engine to cool completely before working on the carburetor to avoid burns from hot engine components.
- Work in a well-ventilated area when handling gasoline. Gasoline is highly flammable and its vapors are explosive.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Keep a fire extinguisher nearby when working with fuel.
- Refer to your Craftsman lawn tractor's original owner's manual for specific safety guidelines and procedures.

Product Overview

The carburetor is a crucial component of your lawn tractor's engine, responsible for mixing air and fuel in the correct proportions for combustion. This replacement carburetor is designed to restore optimal engine performance.

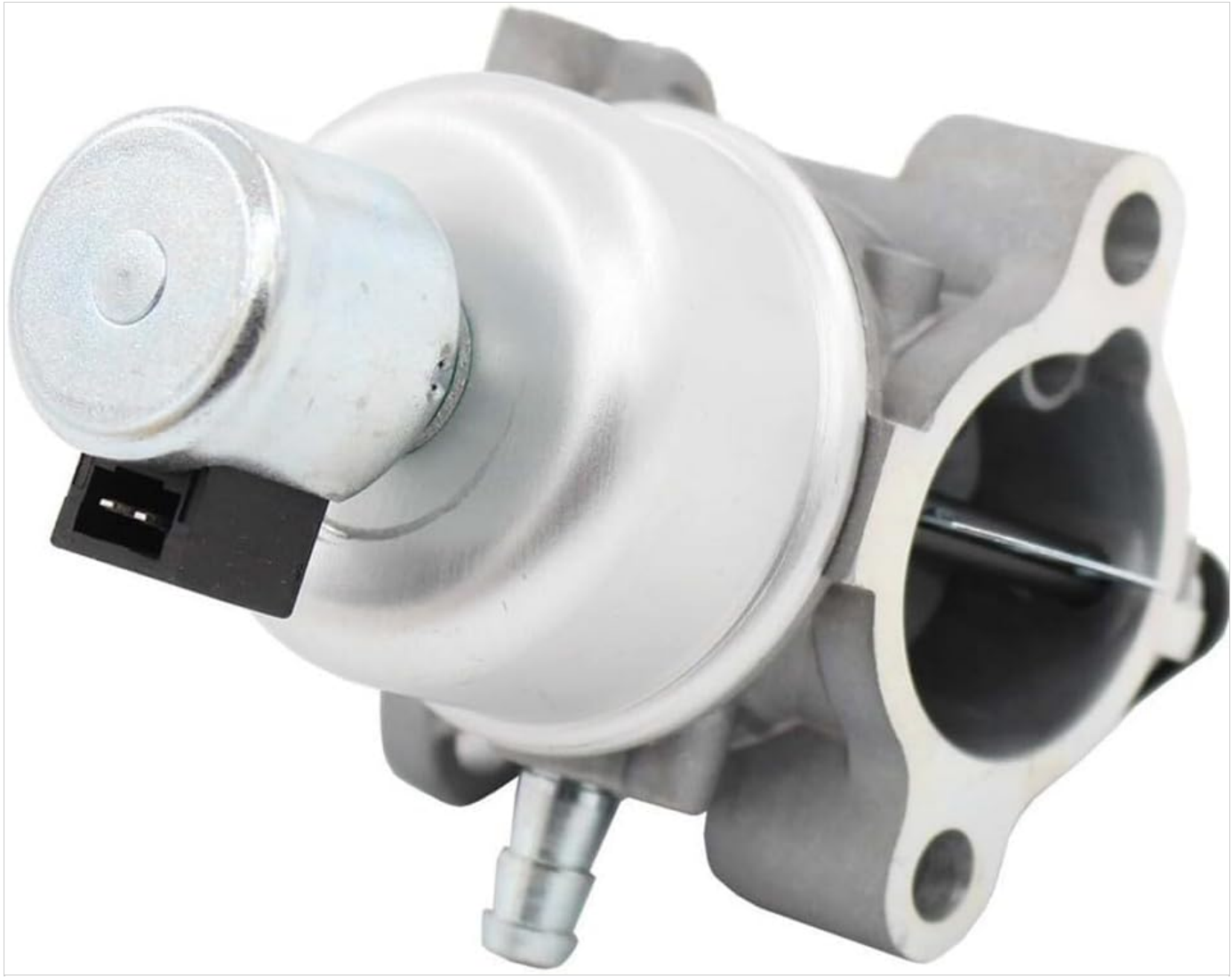


Image 1: Side view of the Generic carburetor, showing the fuel inlet nozzle and the choke linkage mechanism. This angle highlights the main body and connection points.



Image 2: Front view of the Generic carburetor, displaying the air intake opening and the mounting holes for attachment to the engine. The float bowl is visible at the bottom.



Image 3: Rear view of the Generic carburetor, showing the throttle plate inside the bore and potential adjustment screws (if present). The overall casting and part numbers are also visible.

Setup (Installation)

Replacing a carburetor requires careful attention to detail. If you are unsure about any step, it is recommended to seek assistance from a qualified service technician.

1. **Preparation:** Ensure the engine is cool. Disconnect the spark plug wire. Turn off the fuel supply valve (if equipped) or clamp the fuel line.
2. **Fuel Drainage:** Place a suitable container under the carburetor and carefully disconnect the fuel line to drain any remaining fuel from the carburetor bowl.
3. **Removal of Old Carburetor:**
    - Remove the air filter assembly and any shrouds covering the carburetor.

- Carefully disconnect the throttle and choke linkages from the old carburetor. Note their positions for reassembly.
- Unbolt the carburetor from the engine intake manifold. Be mindful of gaskets.
- Remove the old carburetor.

4. **Installation of New Carburetor:**
    - Ensure all mating surfaces are clean. Install new gaskets (if provided) between the carburetor and the engine intake manifold, and between the carburetor and the air filter base.
    - Mount the new carburetor onto the engine, ensuring proper alignment. Tighten mounting bolts securely but do not overtighten.
    - Reconnect the throttle and choke linkages to their correct positions. Verify smooth operation of both.
    - Reconnect the fuel line, ensuring it is securely clamped or connected.
    - Reinstall the air filter assembly and any removed shrouds.
5. **Final Checks:** Reconnect the spark plug wire. Turn on the fuel supply. Check for any fuel leaks.

Note: Specific steps may vary slightly depending on your Craftsman Model 917.273140 Lawn Tractor configuration. Always consult your tractor's service manual for detailed instructions.

Operating

Once the new carburetor is installed, the engine should operate as designed. The carburetor's primary function is to deliver the correct fuel-air mixture to the engine. Proper operation relies on a clean fuel system and correctly adjusted engine components.

- **Starting the Engine:** Follow the starting procedures outlined in your Craftsman lawn tractor's owner's manual. This typically involves setting the choke, throttle, and engaging the starter.
- **Engine Performance:** After starting, allow the engine to warm up. Observe for smooth idling, consistent power delivery, and absence of excessive smoke. A properly functioning carburetor will contribute to efficient fuel consumption and reliable engine performance.
- **Adjustments:** This carburetor is typically a fixed-jet design and does not require user adjustments. If your engine runs poorly after installation, ensure all connections are secure and there are no air leaks.

Maintenance

Regular maintenance helps prolong the life of your carburetor and ensures optimal engine performance.

- **Fuel System Cleanliness:** Use fresh, clean gasoline. Stale or contaminated fuel is a common cause of carburetor issues. Consider using a fuel stabilizer, especially during storage periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your lawn tractor's maintenance schedule. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Ensure the air filter is clean and properly installed. A dirty air filter can restrict airflow, leading to a rich fuel mixture and poor engine performance.
- **Carburetor Cleaning (Advanced):** If performance issues arise due to fuel contamination, the carburetor may need internal cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This procedure is recommended for experienced individuals or professional technicians.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel system completely to prevent fuel degradation and gumming in the carburetor.

Troubleshooting

If your engine experiences problems after carburetor installation, consider the following common issues and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Engine will not start	No fuel reaching carburetor; Clogged fuel filter; Incorrect choke setting; Spark plug issue.	Check fuel level and fuel valve. Inspect/replace fuel filter. Ensure choke is set correctly for starting. Check spark plug for fouling or damage.
Engine runs rough or idles poorly	Air leak around carburetor gaskets; Dirty air filter; Stale fuel; Minor carburetor blockage.	Check carburetor mounting bolts for tightness. Inspect gaskets for damage. Clean/replace air filter. Use fresh fuel. Consider professional carburetor cleaning.
Loss of power during operation	Fuel starvation; Clogged fuel filter; Dirty air filter; Engine overload.	Check fuel supply. Replace fuel filter. Clean/replace air filter. Reduce load on engine.
Excessive smoke from exhaust	Too rich fuel mixture (black smoke); Oil burning (blue smoke).	Ensure air filter is clean. Check for proper choke operation. If blue smoke, engine internal issue (e.g., piston rings, valve seals) may be present, requiring professional service.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified small engine mechanic.

Specifications

- **Product Type:** Carburetor
- **Compatibility:** Craftsman Model 917.273140 Lawn Tractor
- **Brand:** Generic
- **Manufacturer Part Number:** xjw1122637nn
- **UPC:** 776869313758
- **Condition:** Brand new, high quality replacement part.
- **Included Components:** Carburetor assembly as shown in images.

Warranty and Support

For warranty information and customer support regarding this Generic carburetor, please refer to the seller or manufacturer from whom the product was purchased. Keep your proof of purchase for any warranty claims.
For technical assistance related to your Craftsman Model 917.273140 Lawn Tractor, please consult your tractor's official documentation or contact a certified Craftsman service center.

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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.

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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.

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