

MTD Genuine Parts 951-10292

MTD Genuine Parts F6RTC Spark Plug Instruction Manual

Model: 951-10292

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your MTD Genuine Parts F6RTC Spark Plug, Model 951-10292. This spark plug is an Original Equipment Manufacturer (OEM) authorized replacement part designed to fit various MTD models, including lawn mowers, snow blowers, and other outdoor power equipment. Using genuine MTD parts ensures compatibility and optimal performance for your machinery.

2. SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in injury or damage to equipment.

- **Disconnect Power:** Before servicing any equipment, ensure the engine is turned off and the spark plug wire is disconnected to prevent accidental starting.
- **Allow Engine to Cool:** Engines can become very hot during operation. Allow the engine to cool completely before attempting to remove or install a spark plug to avoid burns.
- **Wear Protective Gear:** Always wear appropriate safety glasses and gloves to protect against debris and hot surfaces.
- **Handle with Care:** Spark plugs are fragile. Avoid dropping them, as this can damage the electrode or insulator.
- **Proper Torque:** Overtightening or undertightening a spark plug can cause damage to the engine cylinder head or lead to poor engine performance. Refer to your equipment's service manual for specific torque specifications.

3. INSTALLATION (SETUP)

Follow these general steps for replacing a spark plug. Always consult your equipment's specific owner's manual for

detailed instructions and safety warnings.

Tools Required:

- Spark plug wrench (socket wrench with appropriate size socket)
- Spark plug gap gauge (wire type recommended)
- Clean cloth

Installation Steps:

1. **Locate and Access:** Identify the spark plug on your engine. It is typically located on the cylinder head. Clear any debris from around the spark plug base.
2. **Disconnect Spark Plug Wire:** Carefully pull the spark plug wire boot straight off the spark plug. Avoid pulling on the wire itself.
3. **Remove Old Spark Plug:** Use a spark plug wrench to loosen and remove the old spark plug. Turn counter-clockwise. Once loose, you can often unscrew it by hand.
4. **Inspect New Spark Plug and Gap:** Before installing the new MTD F6RTC spark plug, visually inspect it for any damage. Check the electrode gap using a spark plug gap gauge. The correct gap specification can be found in your equipment's owner's manual. Adjust the gap if necessary by carefully bending the ground electrode.
5. **Install New Spark Plug:** Thread the new spark plug into the cylinder head by hand to avoid cross-threading. Once finger-tight, use the spark plug wrench to tighten it. Refer to your equipment's manual for the correct torque specification. As a general guideline, for new spark plugs with gaskets, tighten about 1/2 to 2/3 turn after finger-tight. For used spark plugs, tighten about 1/12 turn.
6. **Reconnect Spark Plug Wire:** Firmly push the spark plug wire boot back onto the new spark plug until it clicks or seats securely.



Image 1: MTD F6RTC Spark Plug (Model 951-10292) in its original packaging. The packaging also displays the internal identifier M169980.



Image 2: A close-up view of the MTD F6RTC Spark Plug, highlighting the ceramic insulator, metal casing, and electrode tip.

4. OPERATION

The MTD F6RTC spark plug is a critical component of your engine's ignition system. Its primary function is to ignite the air-fuel mixture in the combustion chamber, creating the power stroke that drives the engine. Once correctly installed, the spark plug operates continuously as part of the engine's normal function.



Image 3: A typical lawn mower, one of the many types of outdoor power equipment compatible with the MTD F6RTC spark plug.



Image 4: A snow blower, another common piece of outdoor power equipment that may utilize the MTD F6RTC spark plug.

5. MAINTENANCE

Regular inspection and timely replacement of your spark plug are crucial for maintaining engine performance and fuel efficiency.

- **Inspection:** Periodically remove the spark plug and inspect its condition. Look for signs of wear, such as a worn electrode, or fouling, such as carbon deposits, oil, or fuel residue. The color of the insulator tip can indicate engine health (e.g., light tan/gray is normal, black/oily indicates rich mixture or oil burning).
- **Replacement Interval:** The recommended replacement interval for spark plugs varies by equipment manufacturer and usage. As a general guideline, it is often recommended to replace spark plugs annually or every 25-50 operating hours for small engines. Always refer to your specific equipment's owner's manual for precise maintenance schedules.

6. TROUBLESHOOTING

If your engine experiences issues, the spark plug is often a good starting point for diagnosis.

- **Engine Won't Start:** If the engine cranks but does not start, check the spark plug. Ensure the spark plug wire is securely connected. Remove the spark plug and inspect it for fouling or damage. A wet plug may indicate a flooded engine; a dry plug may suggest a fuel delivery issue.
- **Engine Misfires or Runs Rough:** A dirty, worn, or incorrectly gapped spark plug can cause an engine to misfire, run unevenly, or lose power. Inspect the spark plug for carbon buildup or excessive electrode wear.
- **Excessive Smoke:** Blue smoke can indicate oil burning, which might foul the spark plug. Black smoke suggests a rich fuel mixture, also leading to plug fouling.

If replacing the spark plug does not resolve the issue, consult your equipment's owner's manual or a qualified service technician.

7. SPECIFICATIONS

Specification	Detail
Brand	MTD Genuine Parts
Model Number	951-10292
OEM Part Number	951-10292
Core Material	Copper
Thread Size	14mm

Specification	Detail
Top Material Type	Metal
Vehicle Service Type	Lawn Mower (also compatible with various other outdoor power equipment)
Product Dimensions	1 x 1 x 1 inches (approximate)
Item Weight	0.01 ounces (approximate)
GTIN / UPC	889021072391

8. SUPPORT

For further assistance, technical support, or warranty information regarding your MTD Genuine Parts F6RTC Spark Plug, please refer to the owner's manual of the equipment in which it is installed or contact MTD Genuine Parts customer service directly. You can often find contact information on the official MTD website or through authorized MTD dealers.

MTD Genuine Parts Store: [Visit the MTD Genuine Parts Store](#)

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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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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

