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Model: 9752

PRODUCT OVERVIEW

The Bosch 9752/YR7SII302U Iridium Spark Plug is engineered for superior performance and extended durability. It incorporates advanced original equipment (OE) spark plug technology, featuring an ultra-fine wire design and a laser-welded tapered ground electrode for optimal ignition. The Iridium center electrode and Iridium-Platinum tipped ground electrode contribute to its long service life.

Key Features

- **OE Design:** Bosch original equipment design, materials, and processes ensure advanced OE technology for high performance and long life.
- **Enhanced Ignitability:** Fine wire design of the center electrode improves ignitability and engine performance.
- **Extended Service Life:** Iridium center electrode and Iridium-Platinum tipped ground electrode provide an extended service life.
- **Misfire Prevention:** Ribbed insulator design seals tightly against the wire boot, preventing misfires due to flash-over.
- **Corrosion Resistance:** Nickel-plated rolled threads offer superior resistance to corrosion.
- **Easy Installation:** Pre-gapped at the factory, these spark plugs do not require anti-seize or gap adjustment prior to installation.



Figure 1: Bosch 9752 OE Fine Wire Iridium Spark Plug with its retail packaging.

Proper installation is crucial for the optimal performance and longevity of your Bosch Iridium Spark Plugs. These plugs are pre-gapped and do not require anti-seize, simplifying the installation process. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Preparation

- Ensure the engine is cool before beginning the installation.
- Gather necessary tools: spark plug socket, ratchet, torque wrench, and dielectric grease (optional, for spark plug boots).
- Identify the location of the spark plugs in your engine. This may require removing engine covers or other components.

Installation Steps

1. **Disconnect Battery:** For safety, disconnect the negative terminal of your vehicle's battery.
2. **Remove Ignition Coils/Wires:** Carefully disconnect and remove the ignition coils or spark plug wires from each spark plug. Note their original positions to ensure correct reinstallation.
3. **Clean Around Plugs:** Use compressed air to blow away any debris around the spark plug wells to prevent contaminants from entering the combustion chamber.
4. **Remove Old Plugs:** Using a spark plug socket and ratchet, carefully loosen and remove each old spark plug.
5. **Inspect New Plugs:** Verify that the new Bosch spark plugs are the correct model and are pre-gapped as specified. No gap adjustment is typically needed.
6. **Install New Plugs:** Hand-thread the new spark plugs into the cylinder head to avoid cross-threading. Once finger-tight, use a torque wrench to tighten them to your vehicle manufacturer's specified torque setting. *Do not overtighten.*
7. **Reinstall Coils/Wires:** Reattach the ignition coils or spark plug wires securely to their respective spark plugs. Apply a small amount of dielectric grease inside the spark plug boots if desired.
8. **Reconnect Battery:** Reconnect the negative terminal of the battery.



Figure 2: Illustration of a spark plug correctly installed within an engine cylinder, demonstrating its role in the combustion process.

OPERATION

Spark plugs are a critical component of your vehicle's ignition system, responsible for igniting the air-fuel mixture in the combustion chamber. The Bosch 9752 Iridium Spark Plug is designed to deliver a consistent and powerful spark, ensuring efficient combustion and optimal engine performance.

The fine wire iridium electrode allows for a more concentrated spark, leading to improved fuel efficiency, smoother idling, and quicker starts. Its robust construction ensures reliable operation under various engine conditions.

MAINTENANCE AND LONGEVITY

Bosch 9752 Iridium Spark Plugs are engineered for long life and require minimal maintenance. However, periodic

inspection can help ensure continued optimal performance.

Inspection

- While these plugs are designed for extended intervals, it is advisable to inspect them during routine vehicle maintenance (e.g., every 30,000-50,000 miles or as recommended by your vehicle manufacturer).
- Look for signs of wear, such as excessive electrode erosion, carbon fouling, or oil deposits.
- Ensure the ceramic insulator is free from cracks or damage.

Replacement

Due to their iridium construction, these spark plugs offer a significantly longer service life compared to traditional copper or platinum plugs. Consult your vehicle's owner's manual for specific spark plug replacement intervals. Typically, iridium spark plugs can last up to 100,000 miles or more under normal driving conditions.

TROUBLESHOOTING

If you experience issues related to engine performance after spark plug installation or during their service life, consider the following common troubleshooting steps:

- **Engine Misfires or Rough Idling:**
 - Check that all spark plug wires or ignition coil connectors are securely attached.
 - Ensure the spark plugs are tightened to the correct torque specifications.
 - Inspect spark plug boots for damage or corrosion.
- **Reduced Fuel Economy:**
 - While new plugs improve efficiency, a sudden drop might indicate an issue with other engine components or incorrect installation.
- **Difficulty Starting:**
 - Verify proper electrical connections to the spark plugs.
 - Ensure the battery is fully charged and the starter motor is functioning correctly.

For persistent issues, it is recommended to consult a certified automotive technician or refer to your vehicle's service manual for diagnostic procedures.

TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Bosch
Model Number	9752
OEM Part Number	SP149125AD, SP149125AE
Core Material	Iridium
Top Material Type	Nickel
Item Weight	1.59 ounces
Product Dimensions	9.35 x 5.51 x 3.07 inches
Vehicle Service Type	UTV
Global Trade Identification Number	04047025616324

WARRANTY AND SUPPORT

For detailed warranty information and additional support, please refer to the official user manual provided by Bosch. You can access the PDF version of the user manual via the link below:

[Download Official User Manual \(PDF\)](#)

For further assistance or technical inquiries, please visit the official Bosch Automotive website or contact their customer support.