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DENSO SK20PR-A8

DENSO Iridium Platinum Spark Plug SK20PR-A8 Instruction Manual

1. INTRODUCTION

This instruction manual provides essential information for the proper handling, installation, and maintenance of your DENSO Iridium Platinum Spark Plug, model SK20PR-A8. Please read this manual thoroughly before installation to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

The DENSO SK20PR-A8 is a high-performance Iridium Platinum spark plug designed for superior ignition and engine efficiency. Featuring a fine-wire iridium center electrode and a platinum ground electrode, this spark plug offers enhanced durability and consistent spark delivery. This product is manufactured in Japan.



A close-up view of the DENSO Iridium Platinum Spark Plug, model SK20PR-A8. The spark plug features a white ceramic insulator with 'DENSO SK20PR' printed on it, a metal hex body, and a fine-wire iridium center electrode with a platinum ground electrode.

3. SAFETY INFORMATION

Always prioritize safety when working on your vehicle's engine. Failure to follow safety precautions can

result in injury or damage to the vehicle.

- Ensure the engine is cool before attempting to remove or install spark plugs.
- Disconnect the vehicle's battery to prevent accidental engine cranking or electrical shock.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Keep all tools and parts away from moving engine components.
- Refer to your vehicle's service manual for specific safety warnings and procedures.

4. INSTALLATION

Proper installation is crucial for the performance and longevity of your spark plugs. Consult your vehicle's service manual for detailed, vehicle-specific instructions.

1. **Preparation:** Allow the engine to cool completely. Gather necessary tools, including a spark plug socket, ratchet, torque wrench, and dielectric grease.
2. **Access:** Locate the spark plugs. This may require removing engine covers or other components.
3. **Remove Old Plugs:** Carefully disconnect the spark plug wire or coil pack from the old spark plug. Use a spark plug socket to loosen and remove the old plug. Inspect the old plug for signs of wear or engine issues.
4. **Inspect New Plugs:** DENSO Iridium Platinum spark plugs are typically pre-gapped from the factory. Avoid adjusting the gap unless specifically instructed by your vehicle's service manual, as improper adjustment can damage the fine-wire electrode.
5. **Install New Plugs:** Apply a small amount of anti-seize compound to the spark plug threads (if recommended by your vehicle manufacturer). Hand-thread the new spark plug into the cylinder head to avoid cross-threading.
6. **Torque:** Use a torque wrench to tighten the spark plug to the specifications provided in your vehicle's service manual. Over-tightening can damage the spark plug or cylinder head; under-tightening can lead to poor heat transfer and plug failure.
7. **Reconnect:** Apply a small amount of dielectric grease to the inside of the spark plug boot or coil pack connector. Reconnect the spark plug wire or coil pack, ensuring a secure connection.
8. **Repeat:** Follow these steps for all remaining spark plugs.

5. OPERATION

Spark plugs are critical components of an internal combustion engine's ignition system. They ignite the air-fuel mixture in the engine's cylinders, creating the combustion necessary to power the vehicle. The DENSO Iridium Platinum spark plug is designed to provide a consistent and powerful spark, contributing to efficient fuel combustion and engine performance.

6. MAINTENANCE

Spark plugs are wear items and require periodic inspection and replacement. Refer to your vehicle's service manual for the recommended spark plug inspection and replacement intervals. Factors such as driving conditions and engine type can influence the lifespan of spark plugs.

- **Regular Inspection:** During routine maintenance, inspect spark plugs for signs of wear, fouling, or damage.
- **Replacement:** Replace spark plugs according to the manufacturer's recommended schedule or if signs of wear are observed.

7. TROUBLESHOOTING

If your vehicle exhibits symptoms of ignition problems, faulty spark plugs may be a contributing factor. Common symptoms include:

- **Engine Misfires:** A rough idle or hesitation during acceleration.
- **Reduced Fuel Economy:** Inefficient combustion can lead to increased fuel consumption.
- **Hard Starting:** Difficulty starting the engine, especially in cold weather.
- **Loss of Power:** Noticeable decrease in engine performance.
- **Check Engine Light:** The vehicle's onboard diagnostic system may illuminate the check engine light.

If you experience these symptoms, it is recommended to have your vehicle inspected by a qualified mechanic.

8. SPECIFICATIONS

Attribute	Detail
Brand	DENSO
Model Number	SK20PR-A8
Part Number	3403
Spark Plug Type	Iridium Platinum
Country of Origin	Japan
ASIN	B00F5DUES0
Date First Available	August 22, 2014

9. WARRANTY AND SUPPORT

Specific warranty information for the DENSO Iridium Platinum Spark Plug SK20PR-A8 is not provided within this manual. For details regarding product warranty, technical support, or customer service, please refer to the official DENSO website or contact your authorized DENSO retailer.

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Related Documents - SK20PR-A8

	<u>DENSO Spark Plug Catalog 2020</u> The DENSO Spark Plug Catalog 2020 provides a comprehensive guide to DENSO's extensive range of spark plugs, including detailed product configurations, application information, and essential guidelines for selection and installation. This catalog covers various types of spark plugs, such as Iridium, Platinum, and double-electrode plugs, catering to a wide array of vehicles and engines, from standard cars to motorcycles and trucks. It also includes crucial safety warnings and precautions for handling and installing spark plugs to ensure optimal performance and prevent engine damage. The catalog is an invaluable resource for automotive professionals and enthusiasts seeking high-quality ignition components.
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[DENSO Spark Plugs: Discovering Advanced Ignition Technology and Performance](#)

Explore DENSO's comprehensive guide to spark plug technology, detailing innovations like Iridium Power, Iridium TT, and U-groove designs. Learn how DENSO spark plugs enhance engine performance, fuel economy, and emissions control for automotive applications.



[DENSO 2021 Spark Plug Catalog](#)

Comprehensive 2021 catalog from DENSO showcasing their extensive range of spark plugs, including Iridium Power, Iridium Tough, Platinum, and more. Features detailed product configurations, application guides, and technical information for various vehicle types.



[DENSO Spark Plug Cross-Reference Guide for Japanese Motorcycles](#)

Find the correct DENSO spark plug part numbers for a wide range of Honda, Kawasaki, Suzuki, and Yamaha motorcycle models. This comprehensive guide simplifies part selection for maintenance and upgrades.



[DENSO Spark Plug Catalog 2017 | Iridium, Platinum, TT Spark Plugs & More](#)

The DENSO Spark Plug Catalog 2017 provides a comprehensive overview of DENSO's extensive spark plug range, including Iridium, Platinum, and TT technologies. It features detailed specifications, application guides, installation advice, motorsports highlights, and cross-reference information for automotive professionals and enthusiasts.



[DENSO Spark Plugs Catalogue 2024 | Comprehensive Guide & Cross-Reference](#)

Explore the DENSO Spark Plugs Catalogue 2024 for detailed product information, specifications, installation guides, and cross-reference tables. Find the perfect spark plug for your vehicle.