

[manuals.plus](#) /

› [Denso](#) /

› [Denso Ignition Coil 673-1308 Instruction Manual](#)

Denso 673-1308

Denso Ignition Coil 673-1308 Instruction Manual

FOR VEHICLE-SPECIFIC APPLICATIONS

Model: 673-1308

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Denso Ignition Coil, model 673-1308. This product is designed as a direct replacement part for specific vehicle applications, primarily trucks and vans, ensuring efficient fuel consumption and reliable engine performance. Please read these instructions thoroughly before proceeding with installation or any related procedures.





Figure 1: A black Denso ignition coil, model 673-1308, shown from the front, highlighting its cylindrical body and electrical connector at the top.

2. Safety Information

Always prioritize safety when working on your vehicle's electrical and engine systems. Failure to follow safety precautions can result in injury or damage to the vehicle.

- **Disconnect Battery:** Before beginning any work, always disconnect the vehicle's negative battery terminal to prevent electrical shock or damage to electronic components.
- **Allow Engine to Cool:** Ensure the engine is completely cool before handling any components to avoid burns.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including safety glasses and gloves.
- **Consult Professional:** If you are unsure about any step of the installation process, consult a qualified automotive technician.
- **Avoid Contact with High Voltage:** Ignition coils generate high voltage. Do not touch the coil or spark plug wires while the engine is running or the ignition is on.

3. Setup and Installation

The Denso Ignition Coil 673-1308 is designed for bolt-on installation. Refer to your vehicle's specific service manual for detailed instructions and torque specifications.

1. Preparation:

- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Turn off the engine and allow it to cool completely.
- Disconnect the negative battery terminal.
- Gather necessary tools, which typically include a ratchet, sockets, and possibly a torque wrench.

2. Locate and Remove Old Coil:

- Identify the ignition coil(s) that need replacement.
- Carefully disconnect the electrical connector from the top of the coil.
- Unbolt the coil from its mounting location.
- Gently pull the coil upwards to remove it from the spark plug well.



Figure 2: An angled view of the Denso ignition coil 673-1308, illustrating the overall shape and the male electrical connector.

3. Install New Coil:

- Apply a small amount of dielectric grease to the inside of the spark plug boot on the new coil (if applicable and recommended by vehicle manufacturer).
- Carefully insert the new Denso 673-1308 ignition coil into the spark plug well, ensuring it seats properly onto the spark plug.
- Secure the coil with the mounting bolt(s). Tighten to the vehicle manufacturer's specified torque.
- Reconnect the electrical connector to the top of the coil, ensuring it clicks into place. The connector gender for this coil is male.





Figure 3: A side view of the Denso ignition coil 673-1308, showing the cylindrical body and the integrated electrical connector, suitable for bolt-on installation.

4. Final Steps:

- Reconnect the negative battery terminal.
- Start the engine and check for proper operation and any diagnostic trouble codes.

4. Operating

Once correctly installed, the Denso Ignition Coil 673-1308 operates automatically as part of your vehicle's ignition system. Its primary function is to transform the low voltage from the vehicle's battery into the high voltage required to create a spark at the spark plug. This spark ignites the air-fuel mixture in the engine's cylinders, facilitating combustion and engine operation. Proper functioning of the ignition coils contributes to efficient fuel consumption and smooth engine performance.

5. Maintenance

Denso Ignition Coils are designed for long-term reliability and typically require minimal maintenance. However, periodic inspection can help identify potential issues before they lead to significant problems.

- **Visual Inspection:** During routine engine checks, visually inspect the ignition coils for any signs of physical damage, cracks, corrosion, or discoloration.
- **Electrical Connections:** Ensure all electrical connectors are securely attached and free from corrosion.
- **Replacement:** While individual coils can be replaced, it is often recommended to replace all coils in a set, especially on vehicles where coils are known to fail around the same mileage, to maintain consistent performance across all cylinders.

6. Troubleshooting

If you experience engine performance issues, a faulty ignition coil could be a contributing factor. Common symptoms include:

- **Engine Misfires:** A noticeable stumble or hesitation in engine operation.

- **Rough Idle:** The engine runs unevenly when idling.
- **Reduced Power:** A decrease in acceleration or overall engine performance.
- **Check Engine Light:** The illumination of the Check Engine Light on your dashboard, often accompanied by specific diagnostic trouble codes (DTCs) related to ignition system faults.

Diagnostic Steps:

1. **OBD-II Scan:** Use an OBD-II scanner to retrieve any stored diagnostic trouble codes. Codes such as P030X (where X is the cylinder number) indicate a misfire in a specific cylinder, often pointing to a faulty ignition coil or spark plug.
2. **Visual Inspection:** Re-inspect the coil and its connections for any obvious damage or loose wiring.
3. **Professional Diagnosis:** For complex or persistent issues, it is recommended to seek diagnosis from a qualified automotive technician.

7. Specifications

Feature	Specification
Brand	Denso
Model Number	673-1308
Item Weight (Pack of 6)	3.83 pounds
Connector Gender	Male
Installation Type	Bolt-On
Vehicle Service Type	Truck, Van
Manufacturer	Auto Extra

8. Warranty and Support

For information regarding the product warranty, please refer to the documentation provided with your purchase or contact Denso directly. Technical support and further assistance can be obtained by contacting Denso customer service or visiting their official website. Always provide your product model number (673-1308) when seeking support.

Related Documents - 673-1308

	<p>DENSO Spark Plugs: Discovering Advanced Ignition Technology and Performance</p> <p>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.</p>
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[DENSO Spark Plug Catalog 2020](#)

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.



[DENSO Aftermarket News - New DCS Wiper Blade and Vehicle Applications](#)

DENSO's April 2018 aftermarket news update, detailing the launch of the new DCS Wiper Blade, including part number conversions, and listing new vehicle applications for DENSO Oil Filters and Ignition Coils.



[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 Automotive Catalog: A/C Compressors & Components](#)

Discover the comprehensive DENSO 2014 Automotive Catalog for A/C compressors and components. This guide offers extensive application data, troubleshooting advice, and product details for aftermarket vehicle parts. Find OE-quality replacements from DENSO.



[FCC Compliance Requirements for Denso 14CNA Vehicle Part](#)

Details the FCC compliance statements required for the Denso 14CNA vehicle part, including warnings and operational conditions as mandated by FCC rules 15.21 and 15.19(a)(3).