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ACDelco 608D

ACDelco GM Original Equipment 608D Spark Plug Wire Set User Manual

Model: 608D | Brand: ACDelco

1. PRODUCT OVERVIEW

The ACDelco GM Original Equipment 608D Spark Plug Wire Set is designed to provide reliable ignition performance for your GM vehicle. These wire sets feature thick silicone jackets for enhanced heat and abrasion resistance, crucial for the demanding engine environment. Manufactured to meet GM vehicle specifications, they ensure consistent performance, durability, and service life.

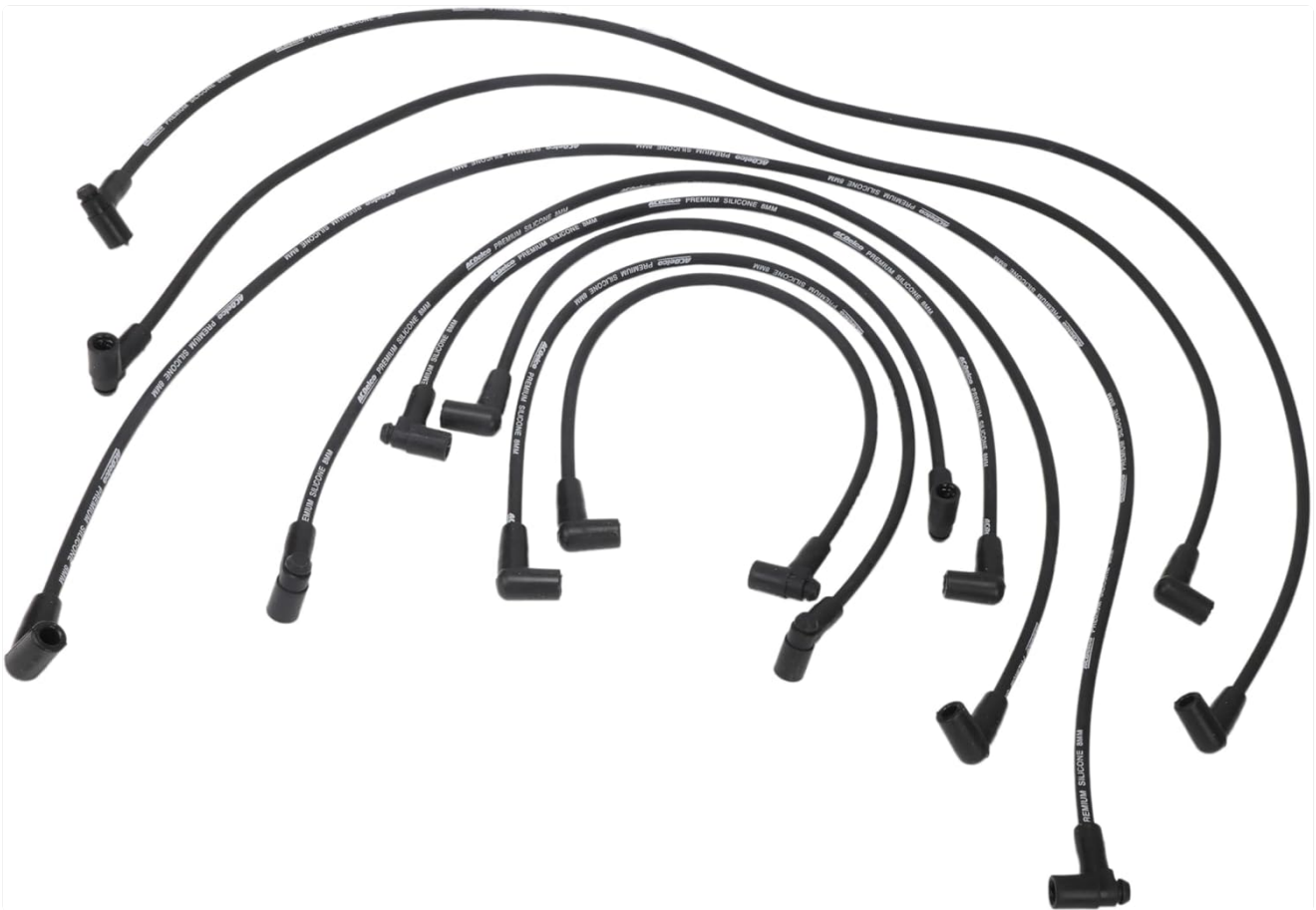


Image 1.1: Complete ACDelco GM Original Equipment 608D Spark Plug Wire Set, showing multiple wires with boots.

Key Features:

- Engineered for electromagnetic interference and radio frequency interference (EMI/RFI) noise suppression.
- Fiberglass braid and carbon impregnated fiberglass core for added strength and superior conductivity.
- Terminal design improves spark plug retention and assists installation with excellent corrosion resistance.
- Spark plug distributor boot shape and materials provide proper fit, installation, and water-tight seal.
- Designed to match the performance of your GM vehicle's original factory component.

2. INSTALLATION AND SETUP

Proper installation of spark plug wires is crucial for optimal engine performance and longevity. Always refer to your vehicle's specific service manual for detailed, step-by-step instructions. The following are general guidelines.

General Installation Steps:

1. **Safety First:** Ensure the engine is cool and the vehicle's battery is disconnected before beginning any work.
2. **Identify Wires:** Note the routing and length of each existing spark plug wire. It is recommended to replace one wire at a time to avoid mixing up cylinder connections.
3. **Remove Old Wires:** Carefully twist and pull the old spark plug boots from the spark plugs and distributor/coil pack. Avoid pulling on the wire itself.
4. **Inspect Components:** Check spark plugs for wear and replace if necessary. Inspect the distributor cap or coil pack terminals for corrosion or damage.
5. **Install New Wires:** Connect the new ACDelco spark plug wires, ensuring a secure and snug fit on both the spark plug and the distributor/coil pack. The boots are designed for a proper, water-tight seal.
6. **Route Wires:** Route the new wires exactly as the old ones were, using any clips or separators to prevent contact with hot engine components or moving parts.
7. **Reconnect Battery:** Once all wires are securely installed and routed, reconnect the vehicle's battery.



Image 2.1: Example of a secure electrical connector, illustrating proper fit.



Image 2.2: Detail of a spark plug boot, designed for a tight seal.

3. OPERATION

Once installed, the ACDelco GM Original Equipment Spark Plug Wire Set facilitates the transfer of high voltage from the ignition coil or distributor to the spark plugs. This high voltage creates a spark that ignites the air-fuel mixture in the engine's cylinders, enabling combustion and engine operation. The wires are designed to minimize energy loss and suppress electrical interference, ensuring efficient and smooth engine performance.

4. MAINTENANCE TIPS

Regular inspection and proper care can extend the life of your spark plug wires and maintain optimal engine performance.

- **Visual Inspection:** Periodically inspect the spark plug wires for any signs of cracking, fraying, burns, or other physical damage. Check the boots for tears or looseness.
- **Cleanliness:** Keep the wires and surrounding engine area clean from oil, grease, and debris, which can degrade wire insulation.
- **Dielectric Grease:** When installing or reinstalling spark plug boots, apply a small amount of dielectric grease inside the boots. This helps to seal out moisture, prevent corrosion, and ease future removal.
- **Avoid Pulling on Wires:** Always grasp the boot, not the wire, when removing spark plug wires to prevent internal damage to the conductor.

5. TROUBLESHOOTING COMMON ISSUES

If you experience engine performance issues, the spark plug wires could be a contributing factor. Here are some common issues and considerations:

- **Engine Misfires or Rough Idling:** This can be a symptom of a faulty spark plug wire not delivering consistent spark to a cylinder. Inspect wires for damage or poor connections.
- **Reduced Fuel Economy:** Inefficient combustion due to weak spark can lead to increased fuel consumption.
- **Check Engine Light:** A malfunctioning spark plug wire can trigger the Check Engine light. Diagnostic trouble codes (DTCs) can help pinpoint the issue.
- **Radio Interference:** Damaged or low-quality wires can cause static or interference on your vehicle's radio due to insufficient EMI/RFI suppression. ACDelco wires are engineered to suppress such noise.
- **Wet or Corroded Boots:** If moisture enters the spark plug boot, it can cause misfires. Ensure boots are properly seated and consider using dielectric grease during installation.

Note: While the ABS wheel-speed sensor harness and vapor canister vent solenoid harness are distinct components, issues with them can also illuminate warning lights or affect vehicle operation. Always consult a qualified mechanic for complex diagnostic issues.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	ACDelco
Model Number	608D
Material	Fiberglass, Silicone
Item Dimensions (L x W x H)	9.2 x 6 x 3.8 inches
Item Weight	1.9 Pounds
Connector Type	Spark Plug Boot
UPC	036666091465
Special Features	Braided
OEM Part Number	12043728

7. WARRANTY AND SUPPORT

For specific warranty information regarding your ACDelco GM Original Equipment 608D Spark Plug Wire Set, please refer to the documentation included with your purchase or visit the official ACDelco website. For technical support or further assistance, you may contact ACDelco customer service directly.

You can find more information and contact details on the official ACDelco website: www.acdelco.com