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› DAVRPES Fuel Injectors (Model GBYL-23250-0A010) Instruction Manual

DAVRPES GBYL-23250-0A010

DAVRPES Fuel Injectors Instruction Manual

Model: GBYL-23250-0A010

1. PRODUCT OVERVIEW

These DAVRPES fuel injectors (Model GBYL-23250-0A010) are designed to deliver precise fuel atomization for optimal engine performance and efficiency. They are manufactured to meet or exceed OEM quality standards, ensuring reliable operation and environmental protection.

Key Features

- O-Rings Included
- Fuel Type: Petrol
- Orifice Type: 2 Holes Disc
- Injector Design: Metal composite plastic
- Filter Design: Basket filter design at inlet
- Efficient, Fuel-saving, and Environmental Protection
- Maximizes Power and Solves Faults

Compatible Vehicle Models

- Lexus ES300 3.0L V6 (1997-2000)
- Lexus RX300 3.0L V6 (1999-2003)
- Toyota Avalon XL XLS 3.0L V6 (1998-2004)
- Toyota Highlander 3.0L V6 (2001-2003)
- Toyota Sienna CE LE 3.0L V6 (1998-2003)
- Toyota Sienna XLE 3.0L V6 (1999)
- Toyota Solara SE SLE 3.0L V6 (2000-2003)



Image: A set of six DAVRPES fuel injectors, highlighting their robust construction and design.



Image: Detailed views of the fuel injector's nozzle with two holes and its electrical connector for precise fuel delivery.

2. INSTALLATION GUIDE

Proper installation is crucial for the performance and longevity of your new fuel injectors. Always ensure the engine is cool and disconnect the battery before beginning any work on the fuel system. Refer to your vehicle's service manual for specific torque specifications and safety procedures.

DAVRPES How to Replace a Fuel Injector ?

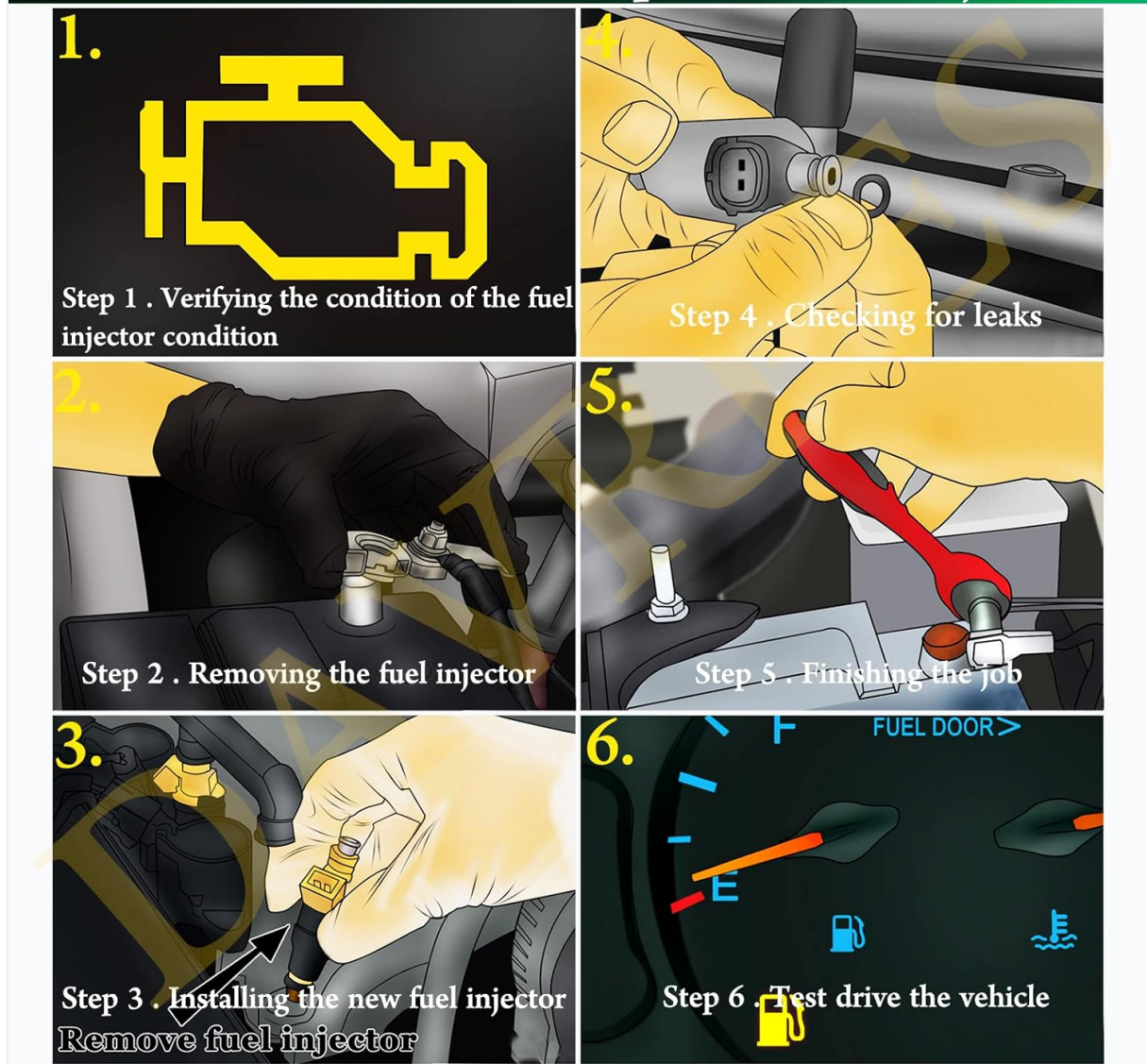


Image: A visual guide illustrating the six key steps for replacing a fuel injector.

Step-by-Step Installation

- 1. Verify Condition:** Before installation, visually inspect the new fuel injectors to ensure they are in good condition and match the specifications of your vehicle.
- 2. Remove Old Injector:** Carefully disconnect the electrical connector and fuel line from the old injector. Use appropriate tools to remove the old fuel injector from its housing.
- 3. Install New Injector:** Lubricate the O-rings of the new injector with a small amount of clean engine oil or petroleum jelly. Gently push the new injector into place, ensuring it seats correctly. Reconnect the fuel line and electrical connector.
- 4. Check for Leaks:** After installation, turn the ignition to the 'ON' position (without starting the engine) to pressurize the fuel system. Carefully inspect all connections for any signs of fuel leaks.
- 5. Finish the Job:** Reassemble any components removed during the process, such as intake manifolds or wiring harnesses.
- 6. Test Drive:** Start the engine and allow it to idle. Listen for any unusual noises and observe engine performance. Take the vehicle for a short test drive to confirm proper function and ensure no warning lights appear on the dashboard.

3. OPERATION PRINCIPLE

Fuel injectors are critical components of your engine's fuel delivery system. They are electronically controlled valves that spray fuel into the engine's intake manifold or directly into the combustion chamber.

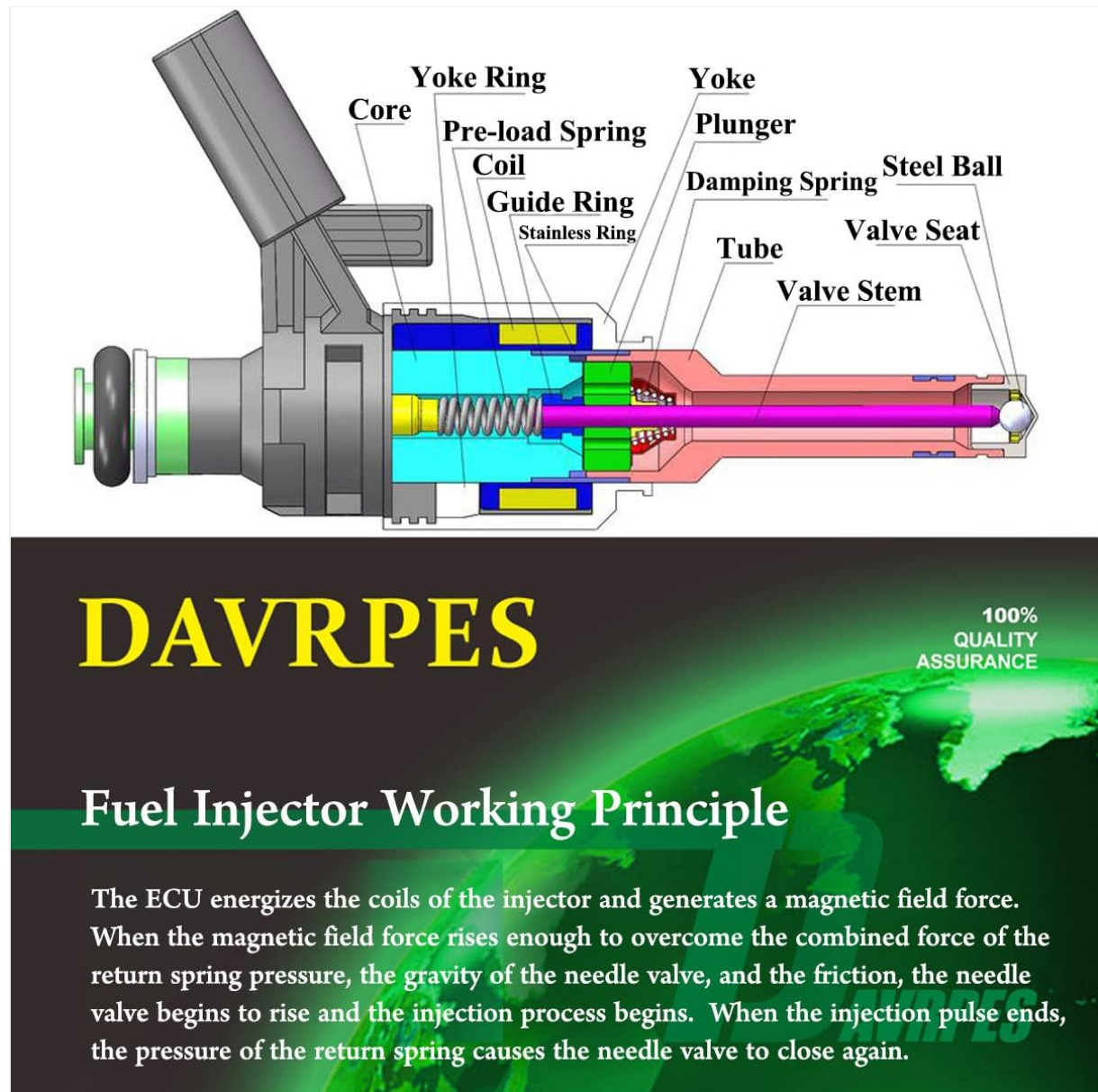


Image: A detailed diagram showing the internal structure and operational mechanism of a fuel injector.

The Engine Control Unit (ECU) energizes the coils of the injector, generating a magnetic field force. When this magnetic force is sufficient to overcome the combined force of the return spring pressure, the gravity of the needle valve, and friction, the needle valve rises, initiating the fuel injection process. When the injection pulse ends, the pressure of the return spring causes the needle valve to close, stopping fuel flow.

4. MAINTENANCE

Regular maintenance of your vehicle's fuel system is crucial for the longevity and performance of these fuel injectors. It is recommended to use high-quality fuel and perform routine fuel system cleaning as per your vehicle manufacturer's guidelines. Inspect fuel lines and connections periodically for any signs of wear or leaks.

- **Fuel Quality:** Always use the recommended octane and quality of fuel for your vehicle to prevent deposits that can clog injectors.
- **Fuel Filter:** Ensure your vehicle's fuel filter is replaced at recommended intervals to protect injectors from contaminants.
- **System Cleaners:** Consider using a high-quality fuel system cleaner periodically, as directed by the product

manufacturer, to help keep injectors free of carbon buildup.

5. TROUBLESHOOTING

If you experience issues such as engine misfires, reduced fuel efficiency, or rough idling after installation, check the following:

- **Connection Integrity:** Ensure all electrical connectors to the injectors are securely attached and free from corrosion.
- **O-Ring Seating:** Verify that the O-rings are properly seated and not damaged. Improper seating can lead to fuel leaks or vacuum leaks, affecting engine performance.
- **Fuel Pressure:** Confirm that the fuel pressure is within the vehicle manufacturer's specifications. Low or high fuel pressure can cause poor injector performance.
- **ECU Codes:** Scan your vehicle's Engine Control Unit (ECU) for any diagnostic trouble codes (DTCs) that may indicate a specific issue with the fuel system or injectors.
- **Air Leaks:** Check for any potential air leaks in the intake manifold or vacuum lines, which can affect the air-fuel mixture.

If problems persist after checking these points, it is recommended to consult a qualified automotive technician.

6. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	DAVRPES
Model Number	GBYL-23250-0A010
Part Number	GBYL-23250-0A010 GBYL-FJ333
Material	Plastic
Exterior Finish	Polished
Outlet Connection Type	Threaded
Number of Ports	2
Specification Met	CE
Item Weight	0.8 ounces
Item Package Quantity	6
UPC	735632544751

7. WARRANTY AND CUSTOMER SUPPORT

These DAVRPES fuel injectors come with a **2-year warranty period** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified quality standards.

For any issues, questions, or concerns regarding the product, please do not hesitate to contact DAVRPES customer service. A professional customer service specialist is available to assist you with product inquiries, technical support, and to ensure a satisfactory experience.

Please refer to your purchase documentation for specific contact details or visit the official DAVRPES brand store for support information.