

SINOCMP 35310-2B020

SINOCMP 35310-2B020 Fuel Injector User Manual

Model: 35310-2B020

1. PRODUCT OVERVIEW

This manual provides essential information for the SINOCMP 35310-2B020 Fuel Injector set. These injectors are designed for specific Hyundai and Kia vehicle models to ensure optimal fuel delivery and engine performance.

- **Part Number:** 35310-2B020, 353102B020
- **Brand:** SINOCMP
- **Quantity:** Set of 4 fuel injectors

Compatibility

The SINOCMP 35310-2B020 Fuel Injectors are compatible with the following vehicle models:

- **Hyundai i20 PB, PBT:** 1.4L (1396 cc, 74 KW, 101 PS) from 2008/09-2016/12
- **Hyundai i30 FD:** 1.6L (1591 cc, 85 KW, 116 PS) from 2007/10-2011/11
- **Hyundai i30 CW FD:** 1.6L (1591 cc, 85 KW, 116 PS) from 2008/02-2012/06
- **Kia Cerato II Stufenheck TD:** 1.6L (1591 ccm, 93 KW, 126 CV) from 2010/01-2018/12
- **Kia Cerato Stufenheck LD:** 1.6L (1591 cc, 90 KW, 122 CV) from 2006/05-2009/12
- **Kia Rio III UB:** 1.4L CVVT (1396 cc, 80 KW, 109 CV) from 2011/09-2018/12
- **Kia Rio III Stufenheck UB:** 1.4L CVVT (1396 cc, 80 KW, 109 PS) from 2011/10-2018/12
- **Kia Venga YN:** 1.4L CVVT (1396 cc, 66 KW, 90 CV) from 2010/02-2018/12
- **Kia Venga YN:** 1.6L CVVT (1591 cc, 92 KW, 125 CV) from 2010/02-2018/12

Important: Before purchasing or installing, please confirm your vehicle's identification number (VIN) with the provided part number. If you are unsure about compatibility, please contact the seller with photos of your original part for verification.

2. SETUP AND INSTALLATION

Installation of fuel injectors requires specialized knowledge and tools. It is highly recommended that installation be performed by a qualified automotive technician.

General Installation Guidelines (for professional reference):

1. Ensure the engine is cool and the vehicle's battery is disconnected to prevent accidental starting or electrical hazards.
2. Relieve fuel system pressure according to the vehicle manufacturer's service manual.
3. Carefully remove the old fuel injectors, noting their orientation and any associated seals or O-rings.
4. Inspect the new SINOCMP injectors for any visible damage.
5. Install new O-rings and seals on the new injectors as required. Lubricate O-rings with a small amount of clean engine oil or specialized lubricant to prevent damage during installation.
6. Insert the new injectors into the fuel rail and intake manifold, ensuring they are seated correctly.
7. Reconnect all fuel lines and electrical connectors securely.
8. Reconnect the vehicle's battery.
9. Turn the ignition to the "ON" position (without starting the engine) for a few seconds to allow the fuel pump to prime the system. Check for any fuel leaks.
10. Start the engine and check for proper operation and any fault codes.

Note: Always refer to your vehicle's specific service manual for detailed, model-specific installation procedures and torque specifications.

3. OPERATING PRINCIPLES

Fuel injectors are critical components of your vehicle's electronic fuel injection system. They are electronically controlled valves that spray a fine mist of fuel into the engine's intake manifold or directly into the combustion chamber, precisely timed with the engine's operation.

The vehicle's Engine Control Unit (ECU) determines the exact amount of fuel to be injected based on various sensor inputs, such as engine speed, load, temperature, and oxygen levels. This precise control ensures optimal fuel efficiency, emissions, and engine performance.

4. MAINTENANCE

Proper maintenance of your vehicle's fuel system can extend the life of your fuel injectors and ensure consistent engine performance.

- **Fuel Quality:** Always use high-quality fuel from reputable sources. Poor quality fuel can contain contaminants that may clog or damage injectors.
- **Fuel Filter:** Ensure your vehicle's fuel filter is replaced at the intervals recommended by the vehicle manufacturer. A clogged fuel filter can restrict fuel flow and put strain on the fuel pump and injectors.
- **Engine Tune-ups:** Adhere to your vehicle's recommended service schedule for engine tune-ups and inspections.
- **Injector Cleaning:** If issues arise, professional ultrasonic cleaning of injectors can sometimes restore performance, but this should be done by a specialist.

5. TROUBLESHOOTING

If you experience issues with your vehicle's fuel system or engine performance after installing new injectors, consider the following common troubleshooting steps:

- **Check for Leaks:** After installation, visually inspect all fuel lines and injector seals for any signs of fuel leakage.
- **Electrical Connections:** Ensure all electrical connectors to the injectors are securely attached and free from corrosion.
- **Diagnostic Trouble Codes (DTCs):** Use an OBD-II scanner to check for any stored diagnostic trouble codes. Codes related to misfires (P030x) or fuel system issues (P017x) can indicate a problem.
- **Engine Performance:** Symptoms such as rough idling, misfires, reduced fuel economy, or a strong fuel smell may indicate an issue with one or more injectors.
- **Part Verification:** Double-check that the installed injectors match the correct part number (35310-2B020) for your specific

vehicle model.

If troubleshooting steps do not resolve the issue, it is recommended to consult a certified automotive technician for diagnosis and repair.

6. SPECIFICATIONS

Feature	Detail
Manufacturer	SINOCMP
Part Number	35310-2B020
Alternate Part Number	353102B020
Item Weight (per injector)	Approximately 125 grams (500 grams for a set of 4)
Application	Hyundai i20, i30; Kia Cerato, Rio III, Venga (1.4L & 1.6L G4FG engines)

7. WARRANTY AND SUPPORT

Warranty Information:

SINOCMP offers a **3-month warranty** for this product. Replacement parts are offered free of charge within the first 3 months from the date of purchase. Additionally, a **satisfaction guarantee** is provided, including free repair or exchange service for eligible issues.

Customer Support:

For any questions regarding product compatibility, installation, or warranty claims, please contact your seller or SINOCMP customer service. When contacting support, please have your vehicle's VIN and photos of your original part ready for quicker assistance. Ensure the model number, part number, and product photos match your requirements before installation. If there are discrepancies, please reach out for clarification.

8. PRODUCT IMAGES



Figure 1: Front view of the SINOCMP 35310-2B020 fuel injector, highlighting the electrical connector and the fuel delivery nozzle.



Figure 2: Side view of the SINOCMP 35310-2B020 fuel injector, with the part number 35310-2B020 clearly visible on the body.



Figure 3: Close-up view of the nozzle end of the SINOCMP 35310-2B020 fuel injector, detailing the fuel spray tip and sealing O-ring.





Figure 4: Angled view of the SINOCMP 35310-2B020 fuel injector, providing a comprehensive look at its design and components.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question