

# **Component Procedures: Fuel Injector**

## **Table of Contents**

1. Parts and Labor (itype\_189)
2. Injector - Description and Operation (Article 44146)
3. Injector - Schematic Diagrams (Article 44148)
4. Injector - Repair Procedures (Article 44150)
5. Injector - Specifications (Article 44147)

# Component Procedures: Fuel Injector

## Parts and Labor (itype\_189)

### Parts

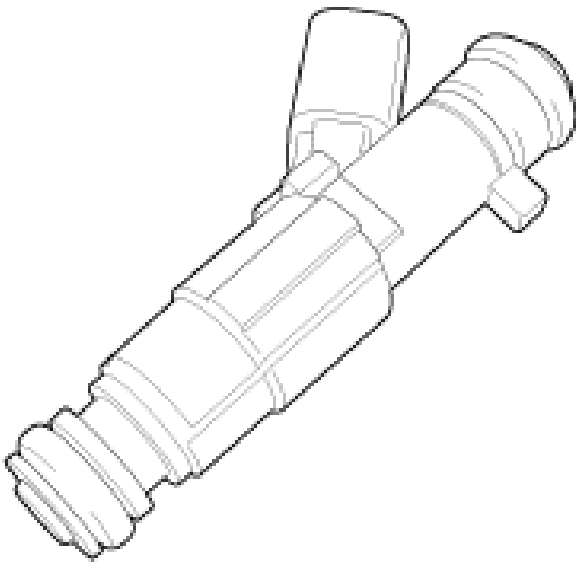
Qualifier	Part #	Name	Price	Note
Fuel Injection	353102E000	Injector	157.87	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Fuel Injection > Injector, R&R > One Or All	B	1.5	0.0
Clean	Fuel Injection > Injector, Clean > All Inject?	B	0.5	0.0

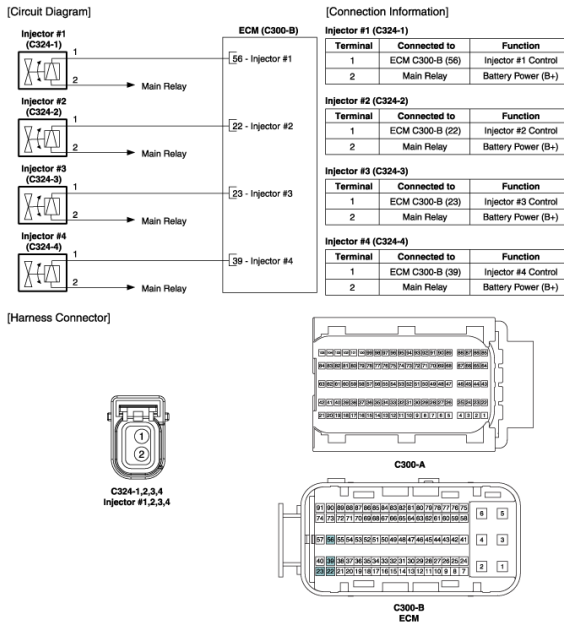
## Injector - Description and Operation (Article 44146)

- Description



## Injector - Schematic Diagrams (Article 44148)

- Circuit Diagram



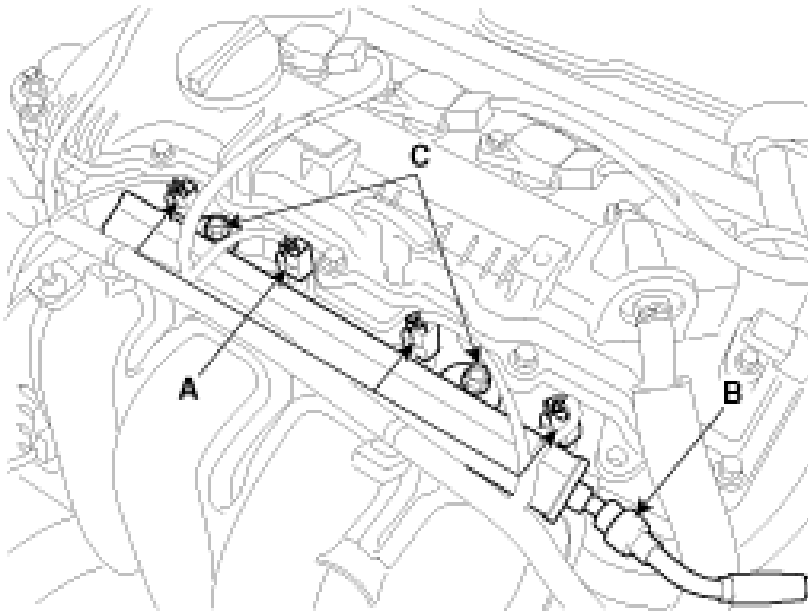
## Injector - Repair Procedures (Article 44150)

- Inspection
- Turn the ignition switch OFF.
- Disconnect the injector connector.
- Measure resistance between the injector terminals 1 and 2.
- Check that the resistance is within the specification. Specification : Refer to "Specification"
- Removal
- Turn the ignition switch OFF and disconnect the battery negative (-) cable.
- Release the residual pressure in fuel line . When removing the fuel pump relay, a Diagnostic Trouble Code (DTC) may occur. Delete the code with the GDS after completion of "Release Residual Pressure in Fuel Line" work.

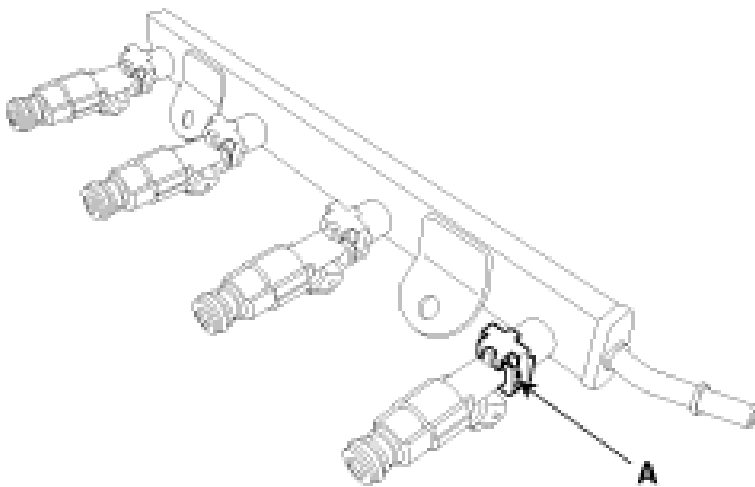
When removing the fuel pump relay, a Diagnostic Trouble Code (DTC) may occur. Delete the code with the GDS after completion of "Release Residual Pressure in Fuel Line" work.



- When removing the fuel pump relay, a Diagnostic Trouble Code (DTC) may occur. Delete the code with the GDS after completion of "Release Residual Pressure in Fuel Line" work.
- Disconnect the injector connector (A).
- Disconnect the fuel feed tube quick-connector (B).
- Remove the installation bolt (C), and then remove the delivery pipe & injector assembly from the engine.



- Remove the fixing clip (A), and then separate the injector from the delivery pipe.



**- Installation**

Install the component with the specified torques. Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.

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- Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.

Apply the engine oil to the injector O-ring.

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Inspect the injector O-ring when installing.

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- Installation is reverse of removal. Delivery pipe installation bolt : 18.6 - 23.5 N.m (1.9 - 2.4 kgf.m, 13.7

- 17.4 lb-ft)

**Injector - Specifications (Article 44147)**

**- Specification**

Item Specification

Coil Resistance ( $\Omega$ ) 13.8 - 15.2 [20°C (68°F)]