

Inspection

1. Turn ignition switch OFF.
2. Disconnect injector connector.
3. Measure resistance between injector terminals 1 and 2.
4. Check that the resistance is within the specification.

Specification : Refer to "Specification"

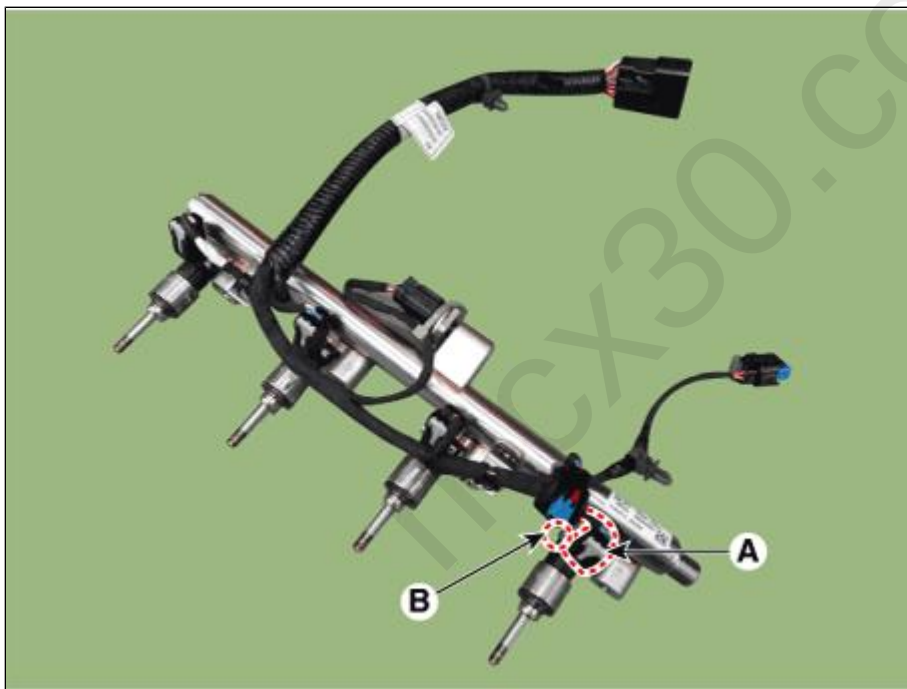
Removal

1. Turn ignition switch OFF and disconnect the battery negative (-) terminal.
2. Release the residual pressure in fuel line.
(Refer to Fuel Delivery System - "Release Residual Pressure in Fuel Line")

CAUTION

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.

3. Remove the delivery pipe & injector assembly.
(Refer to Fuel Delivery System - "Delivery Pipe")
4. Remove the connector (A) and fixing clip (B), and then separate the injector from the delivery pipe.



Installation

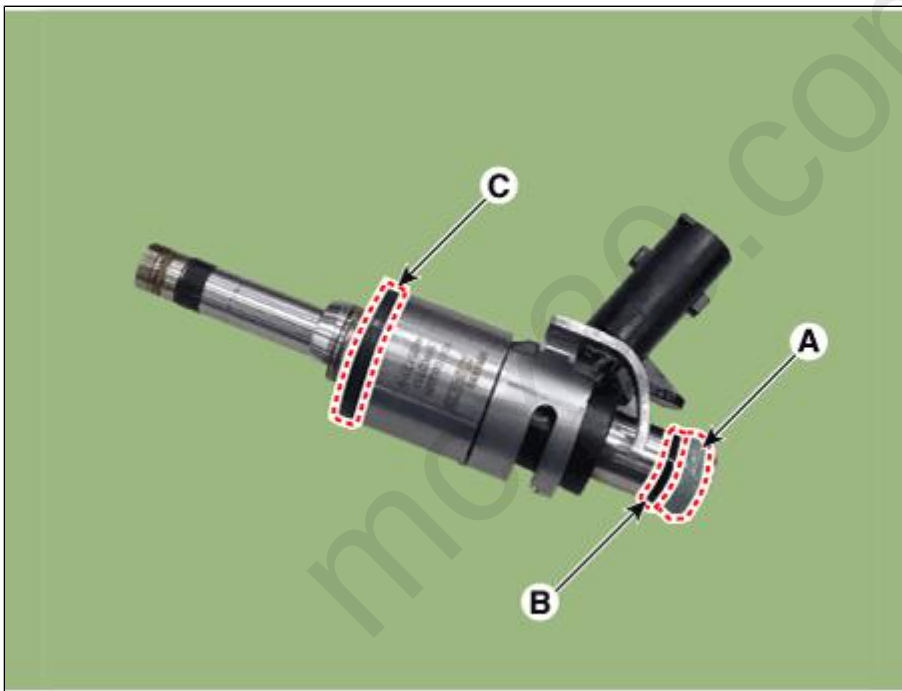
1. Install in the reverse order of removal.

NOTICE

Do not reuse the injector fixing clip.
Do not reuse the mounting bolt.
Do not reuse the combustion seal (A).



Be careful not to apply oil to the combustion seal.
Do not reuse the O-ring (A), support disc (B), rubber washer (C).



When replacing the rubber washer, the steel plate part should be faced the cylinder installation part and the rubber plate part should be faced the injector body part.
Apply engine oil to the injector O-ring.
When inserting the injector, be careful not to damage the injector tip
Do not reuse the high fuel pipe.

Replacement

NOTICE

Be sure to replace the combustion seal installed on the GDI injector following the below procedure to prevent possible leakage.

1. Remove the combustion seal (A).

NOTICE

When removing the injector, be careful not to damage the injector.

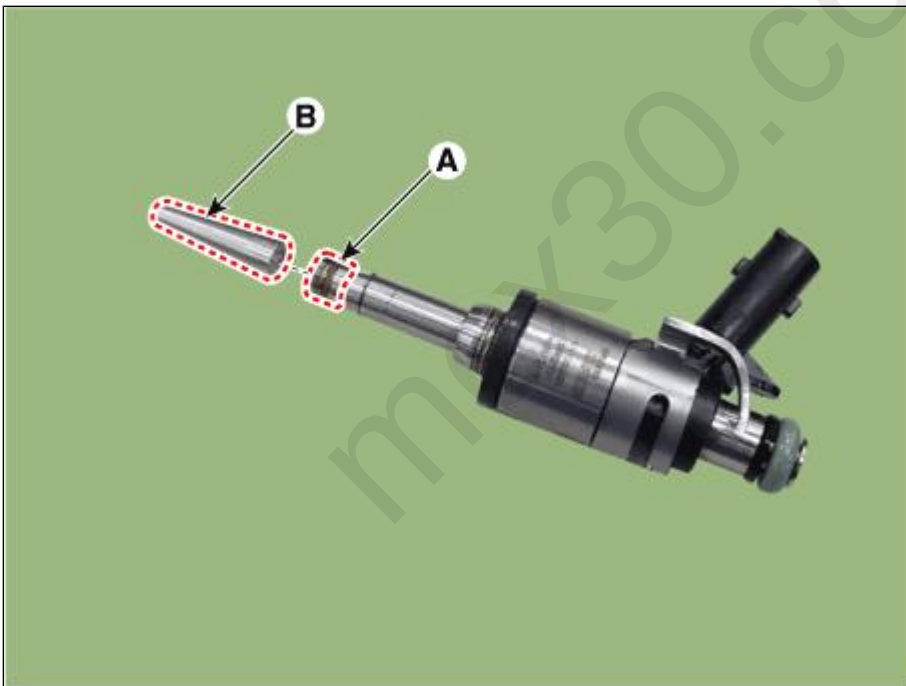
When removing the Combustion seal, use a nipper to cut it.



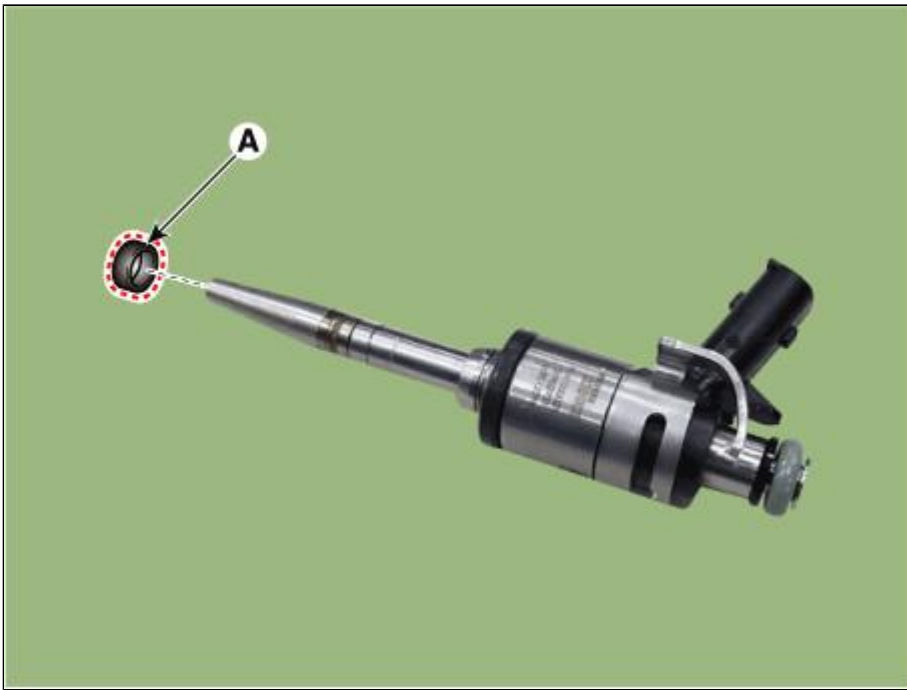
2. Before the assembly of the combustion seal the groove must be cleaned using a clean cloth.

3. Reinstall the combustion seal using the SST (09353-L1100).

(1) Place the combustion seal installing guide (A) on the tip of the injector not to damage the injector tip (B).



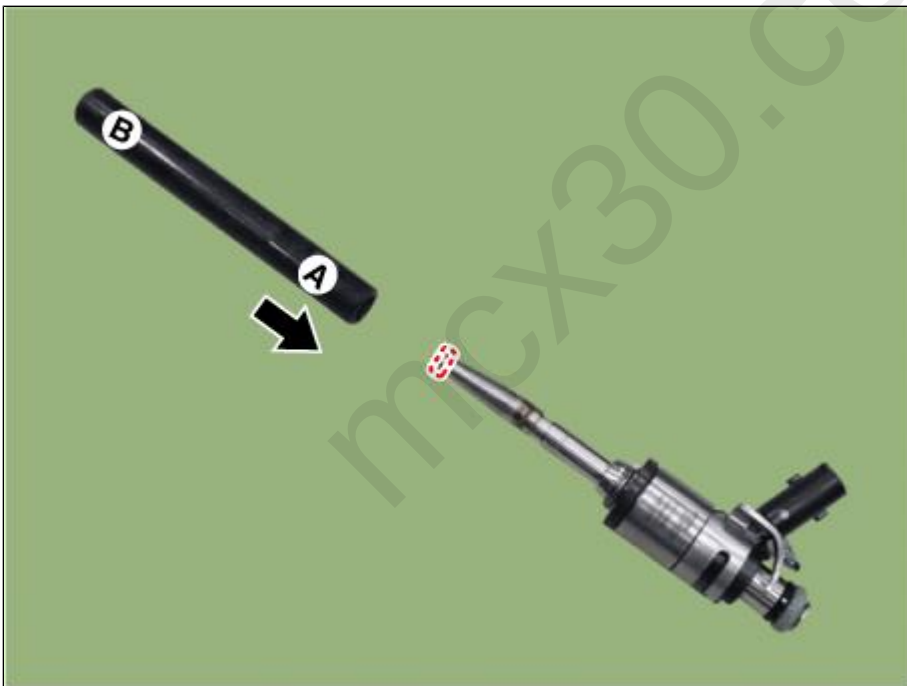
(2) Install the combustion seal (A) to the seal mounting guide.

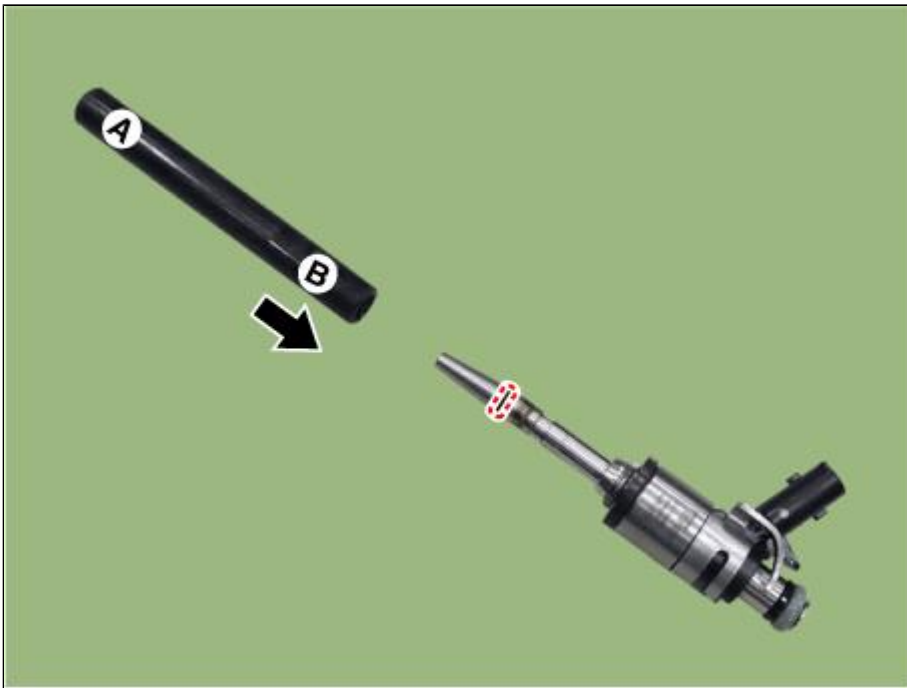


- (3) Input the seal to A direction of the installer, and push it to B direction until it reaches the combustion seal installation area.

NOTICE

The complete assembly must not take longer than 2 to 3 seconds.





(4) Install the compressor (A) and disconnect it after rotating 3-4 times to left and right direction.



(5) Check the combustion seal (A) installation.



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