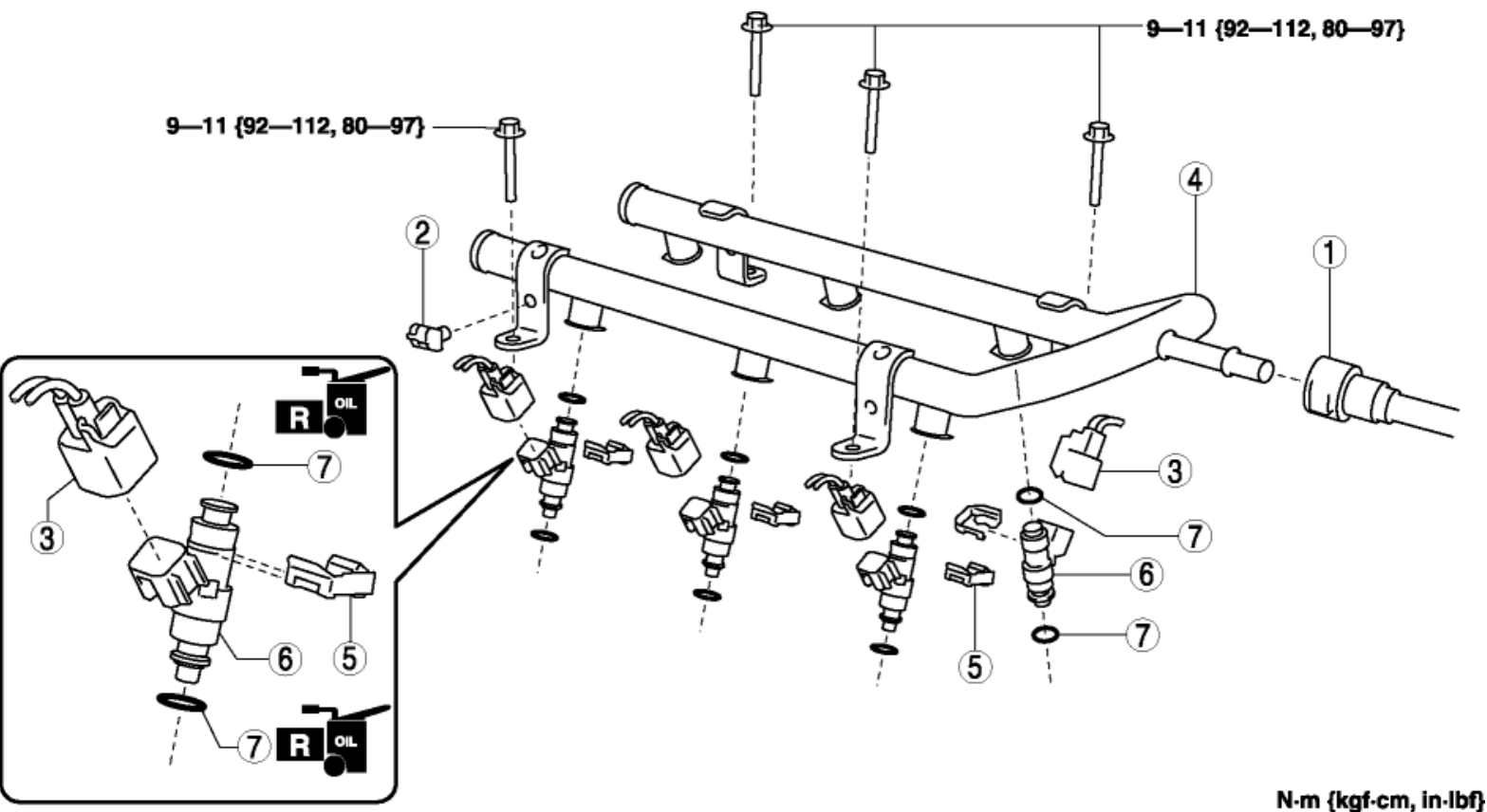


2012 - Mazda6 - Engine

FUEL INJECTOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

WARNING:

- Fuel is very flammable liquid. If fuel spills or leaks from the pressurized fuel system, it will cause serious injury or death and facility breakage. Fuel can also irritate skin and eyes. To prevent this, always complete the "Fuel Line Safety Procedure", while referring to the "BEFORE SERVICE PRECAUTION".
- Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#) .)
 - Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)
 - Remove the engine cover. (See [ENGINE COVER REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)
 - Remove the dynamic chamber (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)
 - Remove in the order indicated in the table.
 - Install in the reverse order of removal.
 - Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#) .)



1	Quick release connector (See QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
2	Wiring harness retainer

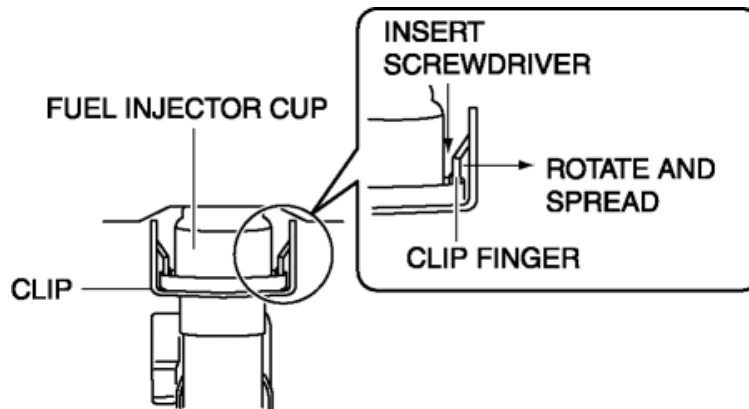
3	Fuel injector connectors
4	Fuel distributor
5	Clip
6	Fuel injector (See Fuel Injector Removal Note.) (See Fuel Injector Installation Note.)
7	O-ring

Fuel Injector Removal Note

CAUTION:

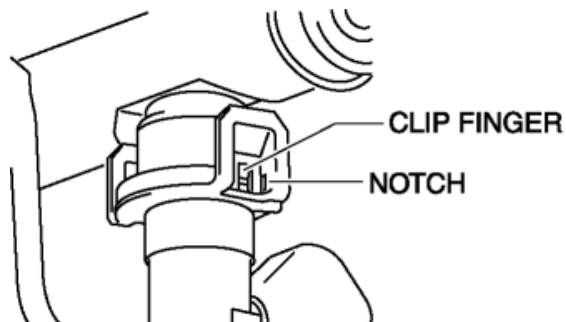
- Use of a deformed fuel injector retaining clip will cause the fuel injector to not engage correctly. Always use a new clip when reattaching the fuel injector, otherwise it may cause the fuel injector to rotate.

1. Insert a screwdriver between the fuel injector cup and the clip fingers.

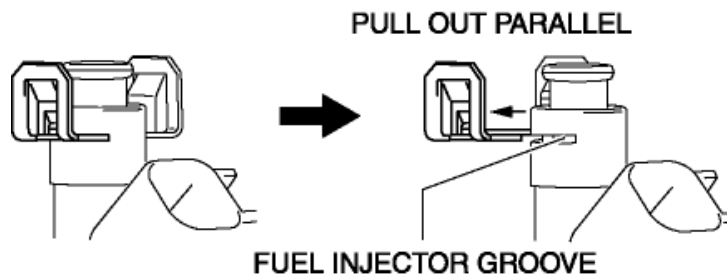


NOTE:

- When rotating the screwdriver to spread the clip fingers, deform them sufficiently to make sure they release from the notched edge of the fuel injector cup.



2. Rotate the screwdriver to spread the clip fingers and remove them from the fuel injector cup.
3. Pull the fuel injector and clip out of the rail.
4. Remove the clip from the fuel injector according to the following:
 - a. Grasp the clip with a pair of pliers.
 - b. Pull the clip parallel to the fuel injector groove, and remove it from the fuel injector.



c. Discard the clip.

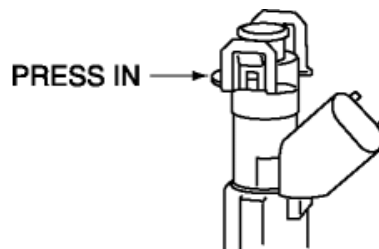
Fuel Injector Installation Note

1. Install the new O-ring.
2. Lightly lubricate the fuel injector groove and O-ring.
3. Pre-attach a new clip in the fuel injector groove.

NOTE:

- When the clip is attached correctly, the central area of the fuel injector and the clip finger positions are aligned.

4. Hold the injector firmly, push the clip into the fuel injector until the clip stops sliding.



5. Verify that the fuel injector connector position is correct, and press the fuel injector and clip into the fuel injector cup. Continue pressing until the clip contacts the lower surface of the fuel injector cup.
6. Verify that the fuel injector and clip are correctly attached with the clip locked onto the injector cup notch.

[< Previous](#) [Next >](#)

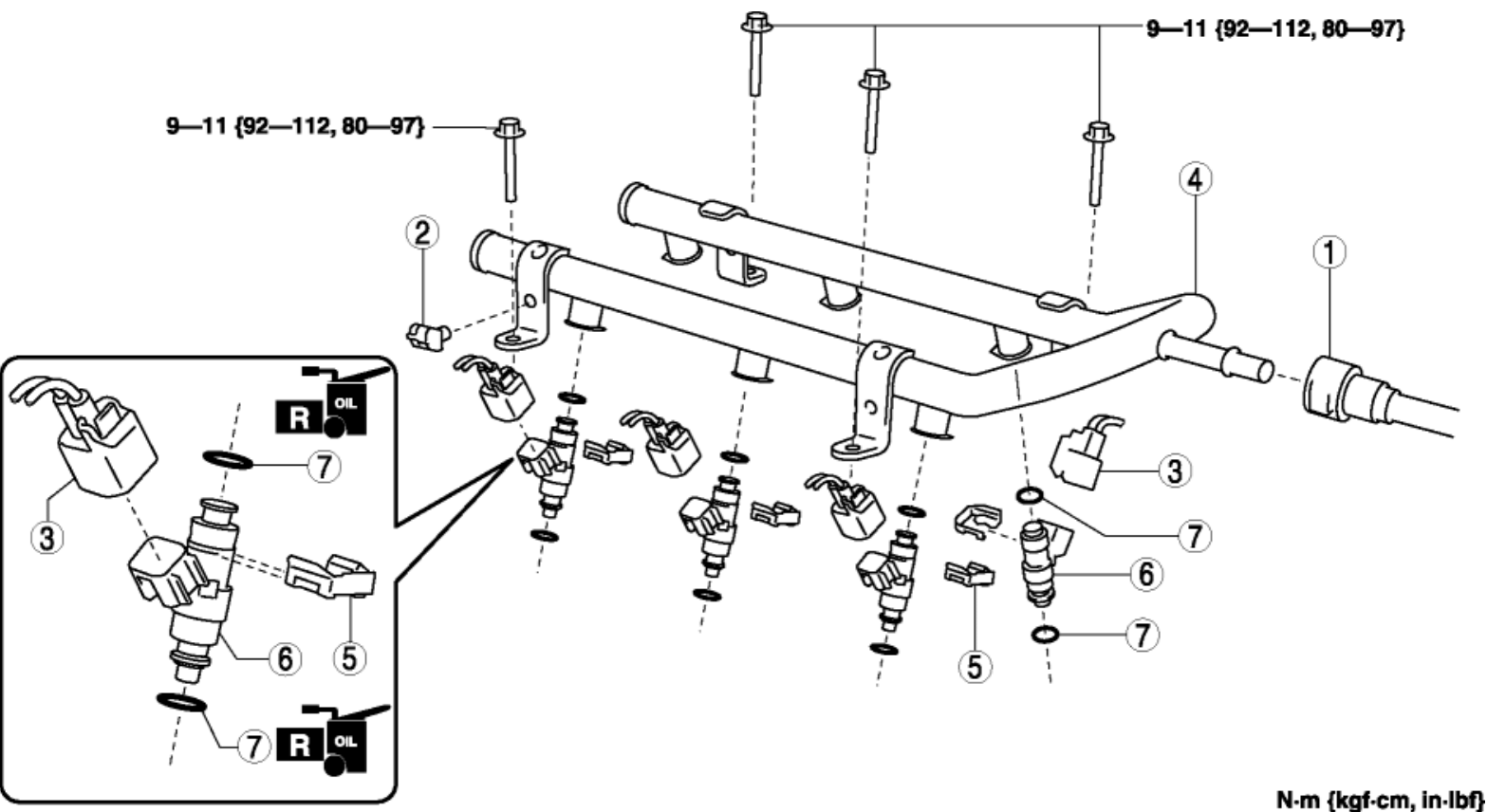
[Back to Top](#)

2012 - Mazda6 - Engine

FUEL INJECTOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

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- Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#) .)
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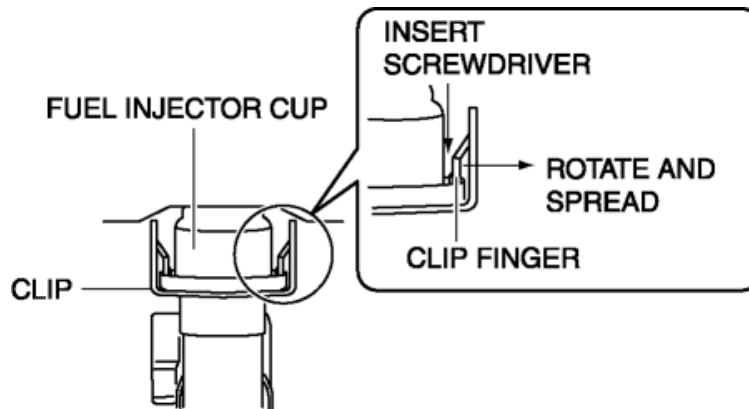
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4	Fuel distributor
5	Clip
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7	O-ring

Fuel Injector Removal Note

CAUTION:

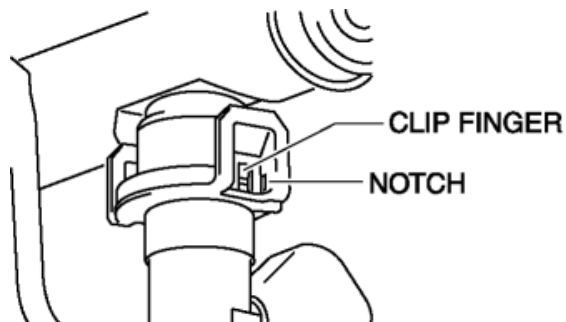
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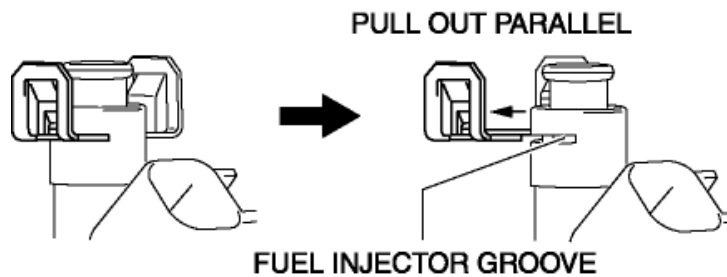


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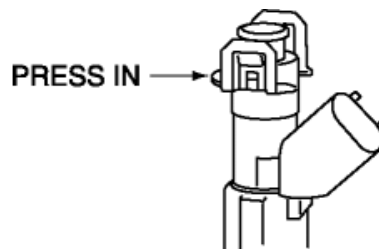
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[< Previous](#) [Next >](#)

[Back to Top](#)