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Fuel Rail (19.60.04)

Special Service Tools



Fuel spring lock decoupling tool
310-044

Removal



WARNING: Do not smoke or carry lighted tobacco or open flame of any type when working on or near any fuel related components. Highly flammable vapors are always present and may ignite. Failure to follow these instructions may result in personal injury.



WARNING: Do not carry or operate cellular phones when working on or near any fuel related components. Highly flammable vapors are always present and may ignite. Failure to follow these instructions may result in personal injury.

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the intake manifold. For additional information, refer to [Intake Manifold \(30.15.02\)](#) (Section 303-01)
3. Release the fuel supply line.
 - Remove the bolt.

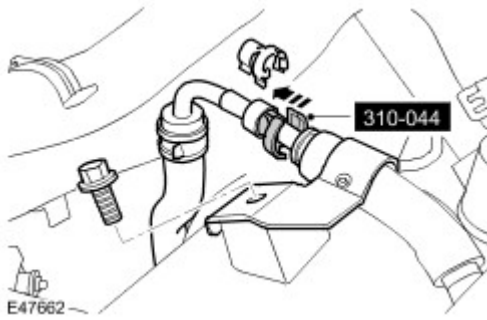
4.



WARNING: The spilling of fuel is unavoidable during this operation. Ensure that all necessary precautions are taken to prevent fire and explosion.

Using the special tool, disconnect the fuel line.

- Position an absorbent cloth to collect fluid spillage.
- Depress the quick release connector.



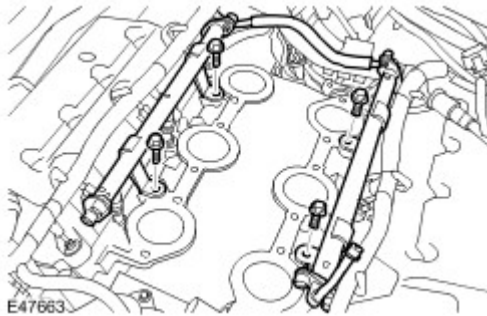
5.



WARNING: The spilling of fuel is unavoidable during this operation. Ensure that all necessary precautions are taken to prevent fire and explosion.

Remove the fuel rail.

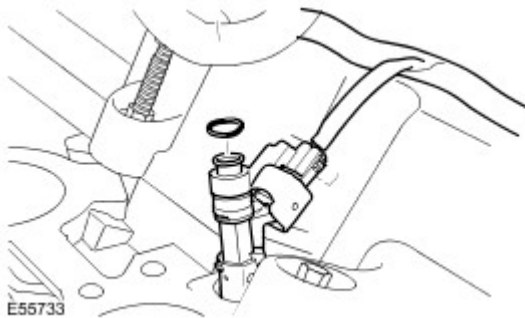
- Remove the 4 bolts.
- Position an absorbent cloth to collect fluid spillage.



6.

Release and remove the fuel injectors.

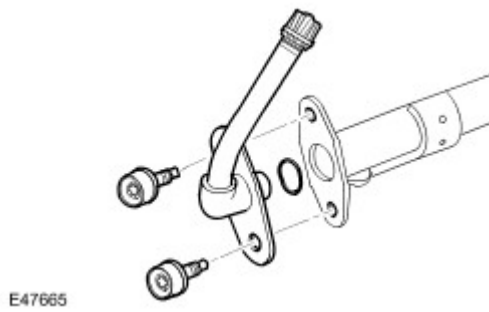
- Remove and discard the fuel injector O-ring seals.



7.

Remove the schraeder valve.

- Remove the 2 Torx bolts.
- Discard the O-ring seal.



Installation

- 1 . Install the schraeder valve.
 - Clean the component mating faces.
 - Install a new O-ring seal.
 - Tighten the bolts to 6 Nm (4 lb.ft).
- 2 . Clean the components.
- 3 . Install the fuel rail.
 - Install fuel injector O-ring seals.
 - Lubricate the O-ring seals.
 - Tighten the bolts to 25 Nm (18 lb.ft).
- 4 . Connect the fuel line to the fuel rail.
 - Clean the component mating faces.
 - Install the clip.
 - Tighten the bolt to 6 Nm (4 lb.ft).
- 5 . Install the intake manifold. For additional information, refer to [Intake Manifold \(30.15.02\)](#) (Section 303-01)
- 6 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)