

**Warning**

- Fuel is highly flammable and dangerous. Fuel line spills and leakage can cause serious injury or death, and damage to equipment. If fuel comes into contact with the skin and eyes it will cause irritation. To prevent this, always perform the “Fuel Line Safety Procedure” referring to the “BEFORE REPAIR PROCEDURE”.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before servicing the fuel system, make sure to discharge static electricity by touching a vehicle.

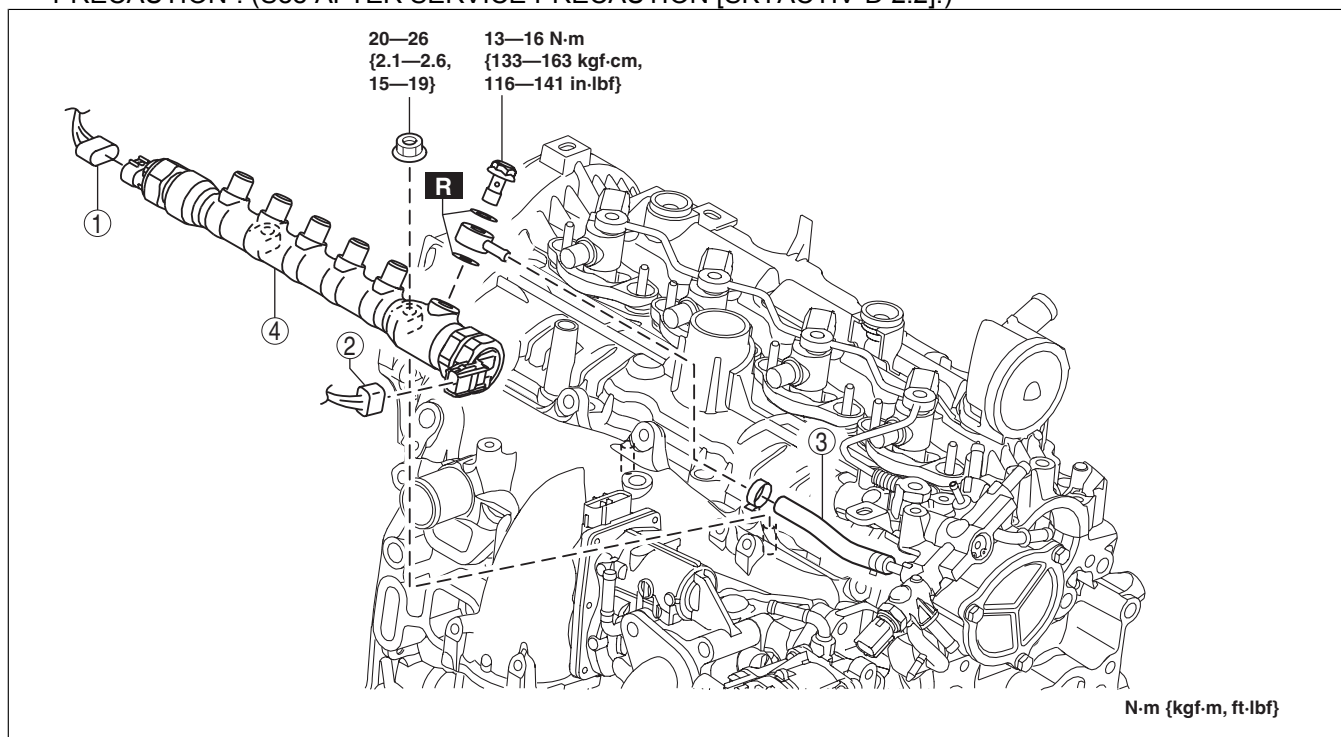
**Caution**

- If parts are exposed to the fuel, their function may be decreased or a fire may occur. Spread a rag to absorb any leaked fuel.
- Do not let foreign matter get into the injection pipe to prevent clogging. In addition, always tighten the injection pipe to the specified torque.

**Note**

- If the common rail is replaced, perform the “Fuel Injection Amount Learning”.

- Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
- Perform the “Fuel Line Safety Procedure” referring to the “BEFORE SERVICE PRECAUTION”. (See BEFORE SERVICE PRECAUTION [SKYACTIV-D 2.2].)
- Remove the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- Remove the injection pipes (fuel injector side) and the injection pipe (supply pump side). (See INJECTION PIPE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- Remove in the order shown in the figure.
- Install in the reverse order of removal.
- Perform the “Fuel Hose Installation Procedure” and “Fuel Line Air Bleeding” referring to the “AFTER SERVICE PRECAUTION”. (See AFTER SERVICE PRECAUTION [SKYACTIV-D 2.2].)



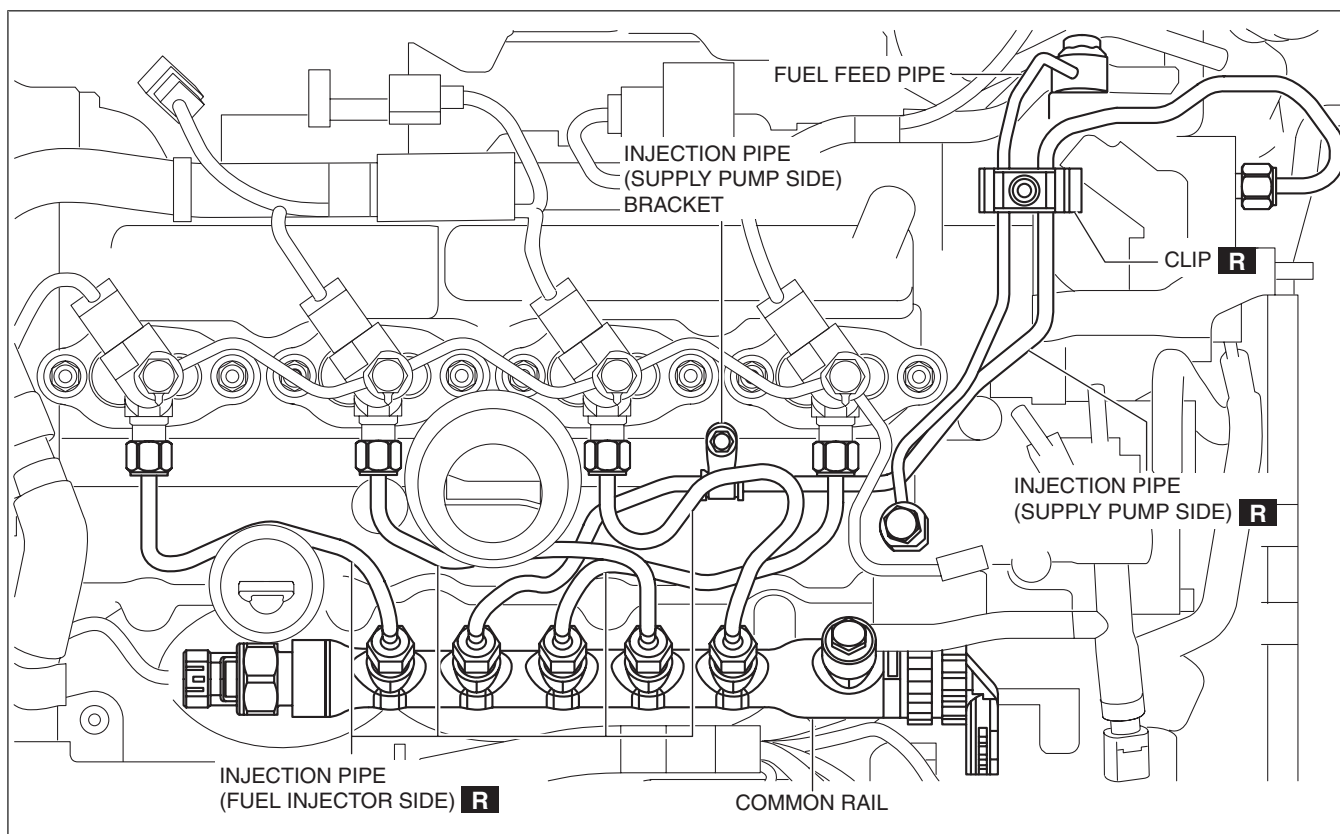
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1	Fuel pressure sensor connector
2	Fuel pressure relief valve connector
3	Fuel return hose (See Fuel Return Hose Installation Note.)

4	Common rail (See Common Rail Installation Note.)
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**Common Rail Installation Note**

- Temporarily tighten the common rail.



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2. Temporarily tighten the new injection pipe (supply pump side).
3. Temporarily tighten the new injection pipes (fuel injector side).
4. Temporarily tighten the fuel return pipe (supply pump side).
5. Tighten the new clip.

**Clip tightening torque**

**4.2—5.2 N·m {43—53 kgf·cm, 38—46 in·lbf}**

6. Tighten the injection pipe (supply pump side) bracket.

**Injection pipe (supply pump side) bracket tightening torque**

**8—11 N·m {82—112 kgf·cm, 71—97 in·lbf}**

7. Tighten the injection pipe (supply pump side) and the injection pipes (fuel injector side) on the common rail side.

**Tightening torque for injection pipe (supply pump side) and injection pipe (fuel injector side)**

**32—42 N·m {3.3—4.2 kgf·m, 24—30 ft·lbf}**

8. Tighten the injection pipe (supply pump side) and the injection pipes (fuel injector side) on the fuel injector side.

**Tightening torque for injection pipe (supply pump side) and injection pipe (fuel injector side)**

**32—42 N·m {3.3—4.2 kgf·m, 24—30 ft·lbf}**

9. Tighten the common rail.

**Common rail tightening torque**

**20—26 N·m {2.1—2.6 kgf·m, 15—19 ft·lbf}**

10. Tighten the fuel return pipe (supply pump side).

**Fuel return pipe (supply pump side) tightening torque**

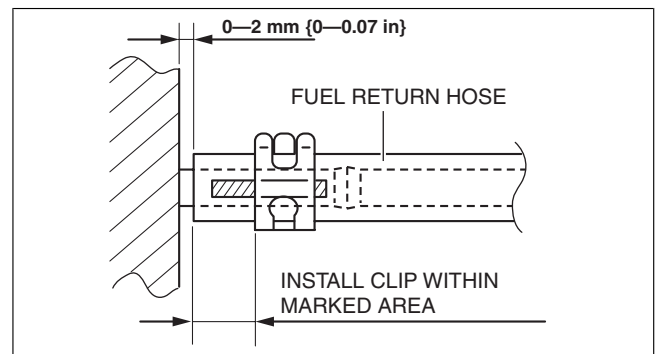
**Supply pump side: 18—22 N·m {1.9—2.2 kgf·m, 14—16 ft·lbf}**

**Lower case side: 20—26 N·m {2.1—2.6 kgf·m, 15—19 ft·lbf}**

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### Fuel Return Hose Installation Note

1. Install the fuel return hose as shown in the figure.



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