
ENGINE

Fuel System

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Fuel System

Service Precautions

Parts of the fuel system such as the internal part of the fuel injector, holes and clearances that form passages for fuel are finished to a very high degree of accuracy. They are therefore highly sensitive to foreign matter and the entry of foreign matter could cause damage to the fuel passage. Therefore, effective measures should be taken to prevent the entry of foreign matter.

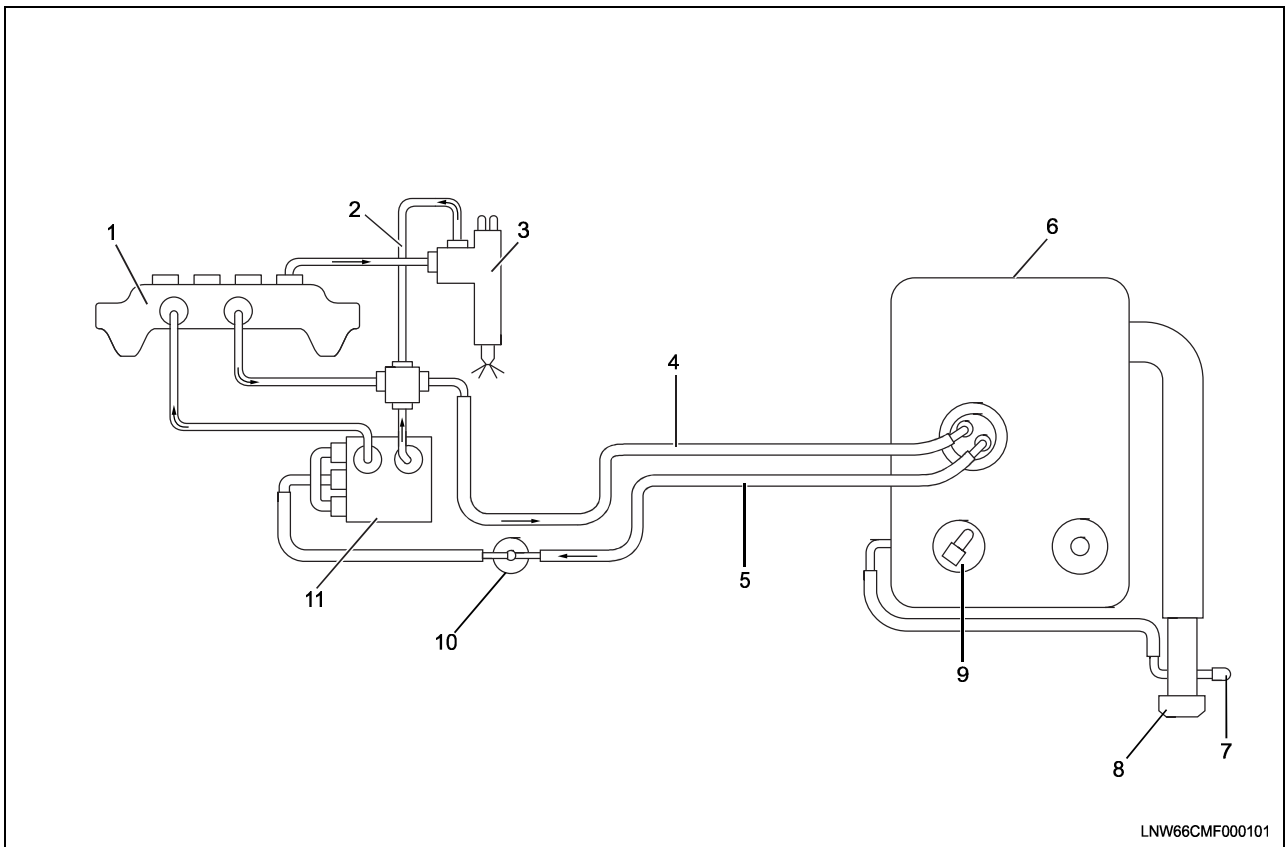
If water removal agent is used in the fuel then it will absorb moisture in the light oil and may cause rust. Therefore, do not use water removal agent in the fuel tank.

Work procedure

- The fuel opening must be quickly sealed when removing the fuel pipe, injection pipe, fuel injector, fuel supply pump, and fuel rail.
- The eyebolts and gasket must be stored in a clean parts box with a lid to prevent adhesion of foreign matter.
- Fuel leakage could cause fires. Therefore, after finishing the work, wipe off the fuel that has leaked out and make sure there is no fuel leakage after starting the engine.

Explanations on functions and operation

Fuel system diagram



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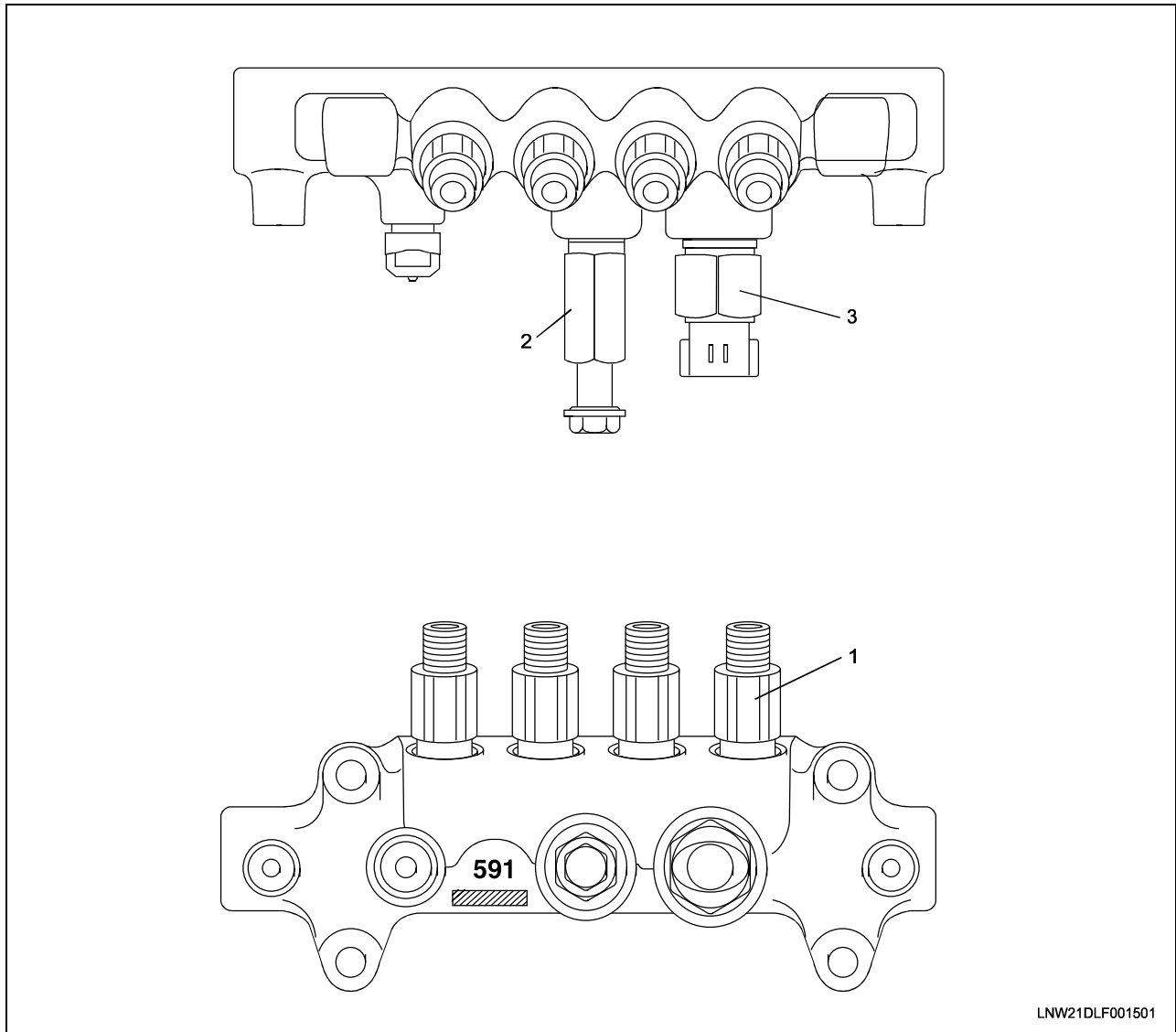
Legend

- | | |
|---------------------|---------------------------------|
| 1. Fuel Rail | 5. Vent Valve |
| 2. Leak Off Pipe | 8. Fuel Filler Cap |
| 3. Fuel Injector | 9. Fuel Level Sensor |
| 4. Fuel Return Pipe | 10. Fuel Filter With Sedimenter |
| 5. Fuel Feed Pipe | 11. Fuel Supply Pump |
| 6. Fuel Tank | |

Caution:

Be careful foreign material does not into the fuel system, because the precise fuel system is used.

Fuel rail



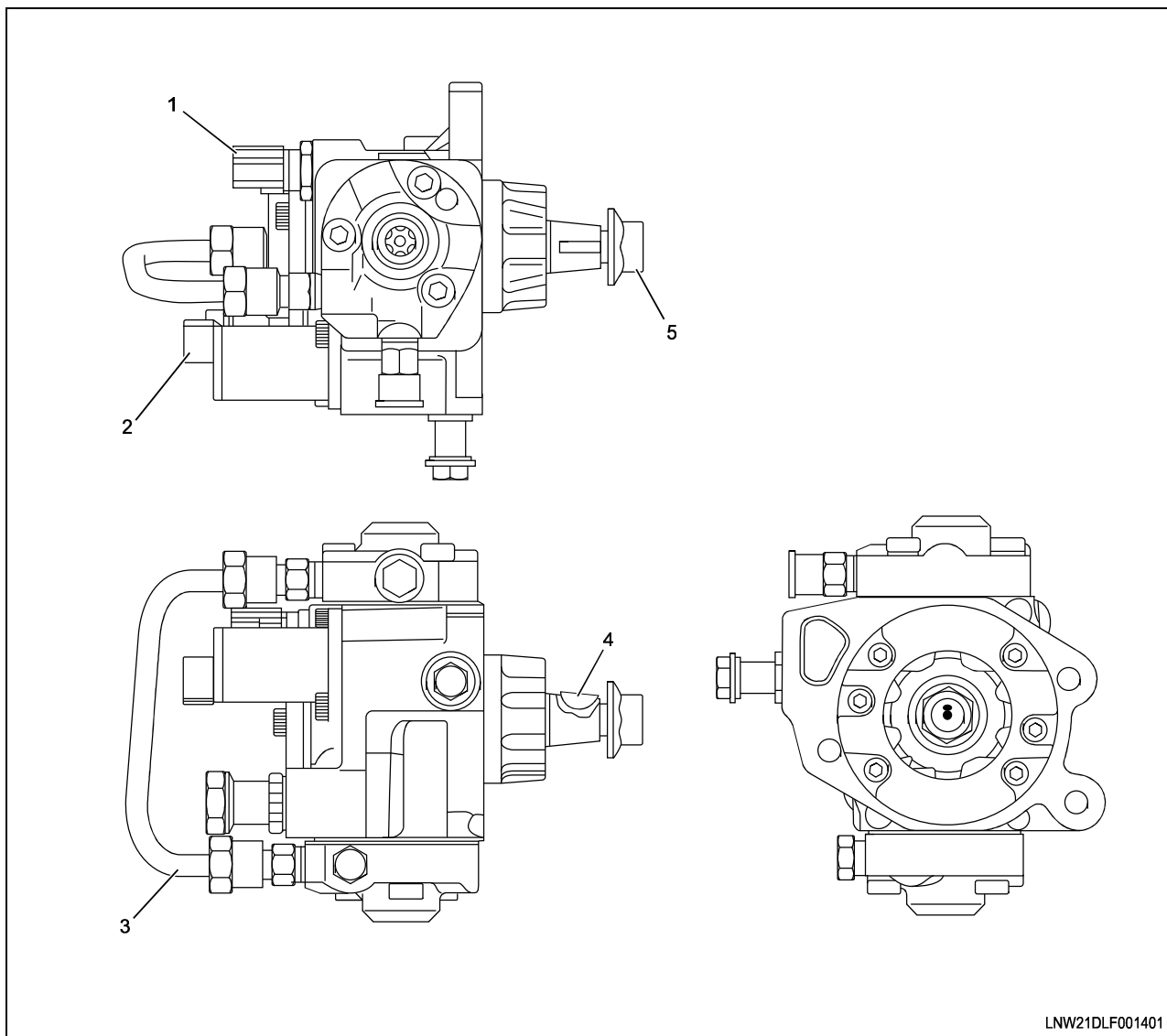
Legend

- 1. Flow Damper
- 2. Pressure Limiter

- 3. Pressure Sensor

6C-4 Fuel System

Fuel supply pump



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Legend

- | | |
|---------------------------------|-----------------|
| 1. Fuel Temperature Sensor | 4. Camshaft Key |
| 2. Fuel Rail Pressure Regulator | 5. Camshaft Nut |
| 3. High Pressure Piping | |