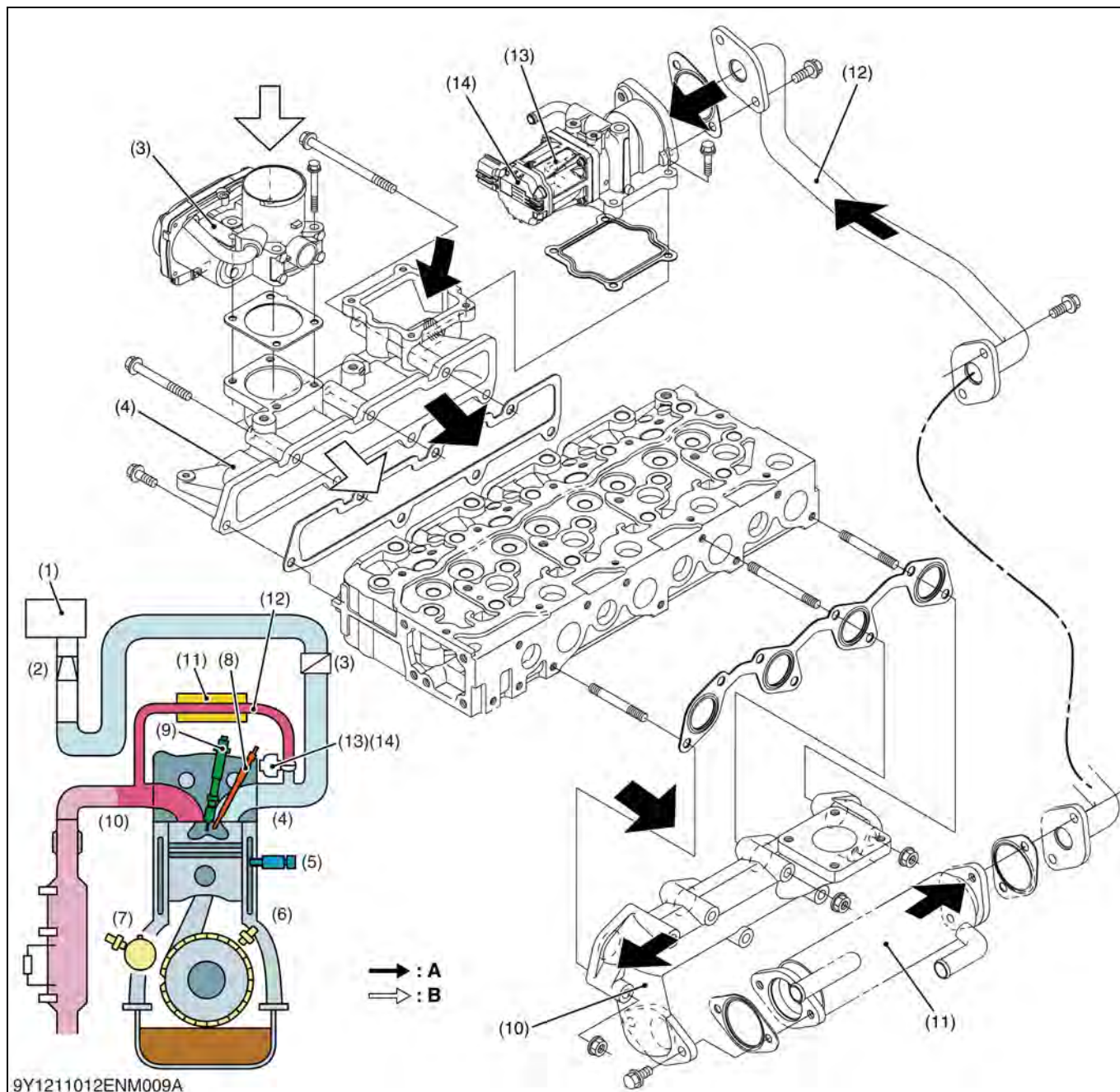


## 6. EGR SYSTEM

### [1] OVERVIEW



- |                                |                                |                      |
|--------------------------------|--------------------------------|----------------------|
| (1) Air Cleaner                | (6) Crankshaft Position Sensor | (11) EGR Cooler      |
| (2) Air Flow Sensor            | (7) Camshaft Position Sensor   | (12) EGR Pipe        |
| (3) Intake Throttle Valve      | (8) Glow Plug                  | (13) EGR Valve Motor |
| (4) Intake Manifold            | (9) Injector                   | (14) EGR LIFT Sensor |
| (5) Coolant Temperature Sensor | (10) Exhaust Manifold          |                      |

**A: Exhaust Gas Flow**  
**B: Intake Air Flow**

The EGR (Exhaust Gas Recirculation) system is a device that captures a part of the exhaust gas and returns it to the intake side reducing the amount of oxygen entering the engine and lowers combustion temperature suppressing generation of nitrogen oxides (NOx).

The EGR being used on this engine is electronic and is made up of an EGR cooler (11), EGR lift sensor (14), EGR valve motor (13).

The exhaust gas that is returned to the intake side (hereafter EGR gas) is cooled in the EGR cooler (11), adjusted to a suitable flow by an EGR valve motor that is controlled by the engine ECU, and is sent to the intake manifold (4).

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