

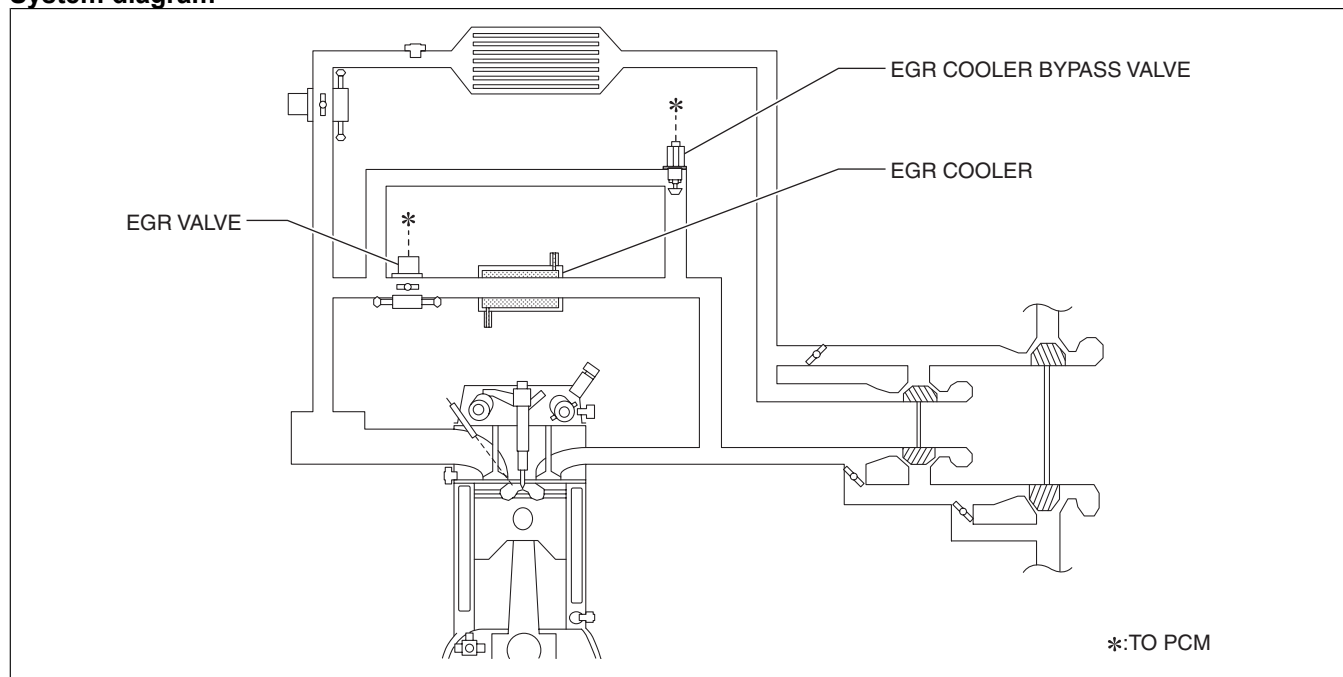
EXHAUST GAS RECIRCULATION SYSTEM [SKYACTIV-D 2.2]

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Purpose, Outline

- The high occurrence of NOx at high temperatures has been reduced by recirculating exhaust gas to the combustion chamber in order to lower the combustion temperature.
- An EGR valve with a stepping motor has been adopted for optimum control according to engine operation conditions.

System diagram



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Structure

- The exhaust gas recirculation system consists of the following parts:

| Part name | Reference |
|-------------------------|---|
| EGR valve | (See EGR VALVE [SKYACTIV-D 2.2].) |
| EGR cooler | (See EGR COOLER [SKYACTIV-D 2.2].) |
| EGR cooler bypass valve | (See EGR COOLER BYPASS VALVE [SKYACTIV-D 2.2].) |
| EGR pipe | — |