# EMISSION CONTROL SYSTEM

## PURPOSE

EC03K–01

- 1RZ:, 3RZ–F:

| System | Abbreviation | Function |
|---|---|---|
| Positive crankcase ventilation | PCV | Reduces HC |
| Fuel evaporative emission control | EVAP | Reduces evaporative HC |
| Throttle positioner | TP | Reduces HC and CO |
| Spark control | SC | Improves drivability–cold |
| Auxiliary system: | | |
| (1) Automatic hot air intake | HAI | Improves drivability–cold |
| (2) Choke opener | CO | Improves drivability–cold |
| (3) Choke breaker | CB | Improves drivability–cold |
| (4) Auxiliary acceleration pump | AAP | Improves drivability–cold |
| (5) High altitude compensation | HAC | Improves drivability |
| (6) Secondary air bleed | – | Improves drivability |

- 1RZ–E:, 2RZ–FE:, 3RZ–FE:

  The emission control systems are installed to reduce the amount of CO, HC and NOx exhausted from the engine ((3), (4) and (5)), to prevent the atmospheric release of blow–by gas–containing HC (1) and evaporated fuel containing HC being released from the fuel tank (2).

The function of each system is shown in these table.

| System | Abbreviation | Function |
|---|---|---|
| (1) Positive Crankcase Ventilation | PCV | Reduces blow–by gas (HC) |
| (2) Evaporative Emission Control | EVAP | Reduces evaporated HC |
| (3) Exhaust Gas Recirculation | EGR | Reduces NOx *2 |
| (4) Three–Way Catalytic Converter | TWC | Reduces CO, HC and NOx *2 |
| (5) Electronic fuel injection *1 | EFI | Injects a precisely timing, optimum amount of fuel for reduce exhaust emissions. |

Remark: *1 For inspection and repair of the EFI system, refer to the EFI section this manual.
Remark: *2 2RZ–FE only.

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