

EMISSION CONTROL SYSTEMS

SYSTEM PURPOSE

The emission control systems are installed to reduce the amount of CO, HC and NOx exhausted from the engine ((3), (4), (5) and (6)), 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 the following table.

| System | Abbreviation | Function |
|-------------------------------------|--------------|---|
| (1) Positive Crankcase Ventilation | PCV | Reduces crank case blow-by gas |
| (2) Evaporative Emission Control . | EVAP | Reduces evaporated HC |
| (3) Exhaust Gas Recirculation | EGR | Reduces NOx |
| (4) Pulsed secondary air injection | PAIR | Reduces CO and HC |
| (5) Three – Way Catalytic Converter | TWC | Reduces CO, HC and NOx |
| (6) Multiport Fuel Injection ' | MFI | Injects a precisely timed, optimum amount of fuel for reduced exhaust emissions |

Remark: ' For inspection and repair of the MFI system, refer to the MFI section this manual.

PREPARATION

RECOMMENDED TOOLS

| | | |
|---|--|--|
|  | 09082-00050 TOYOTA Electrical Tester Set. | |
|  | 09258-00030 Hose Plug Set . | |

EQUIPMENT

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|---------------|--|
| Torque wrench | |
| Vacuum gauge | |

SSM (SPECIAL SERVICE MATERIALS)

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| 08833-00070 Adhesive 1324, THREE BOND 1324 or equivalent | TVV |
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