

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

Torque wrench	
Vacuum gauge	

SSM (SPECIAL SERVICE MATERIALS)

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