

B - EMISSION APPLICATION

1994 Toyota Celica

1994 ENGINE PERFORMANCE
Toyota Emission Applications

Camry, Celica, Corolla, Land Cruiser, MR2, Paseo, Pickup,
Previa, Supra, Tercel, T100, 4Runner

EMISSION APPLICATIONS

EMISSION APPLICATIONS TABLE

Engine & Fuel System	Emission Control Systems & Devices
Camry	
2.2L 4-Cyl. MFI Or SFI	
Major Control Systems & Devices	PCV, EVAP, (1) TWC, FR, EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, EVAP-VC, EVAP-CKV, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, SUB-O2S
3.0L V6 SFI	
Major Control Systems & Devices	PCV, EVAP, TWC, FR, EGR, SPK, (3) HO2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, EVAP-VC, EVAP-CKV, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, SUB-O2S
Celica	
1.8L 4 Cyl. (7A-FE) MFI	
Major Control Systems & Devices	PCV, EVAP, (1) TWC, FR, EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, EVAP-VC, EVAP-CKV, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, SUB-O2S
2.2L 4-Cyl. (5S-FE) MFI Or SFI	
Major Control Systems & Devices	PCV, EVAP, (1) TWC, FR, EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, EVAP-VC, EVAP-CKV, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, (4) SUB-O2S
Corolla	
1.6L 4-Cyl. (4A-FE) MFI & 1.8L 4-Cyl. (7A-FE) MFI	
Major Control Systems & Devices	PCV, EVAP, (5) TWC, FR, (4) EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, EVAP-VC, (4) EGR-T, (4) EGR-VM, (2) (4) EGR-VSV, SPK-CC, (4) SUB-O2S
Land Cruiser	
4.5L 6-Cyl. SFI	
Major Control Systems & Devices	PCV, EVAP, (6) TWC, FR, EGR, SPK, PAIR, (6) HO2S, CEC, MIL
Components & Other Related Devices	EVAP-TV, (2) EVAP-VSV, EVAP-VC, EVAP-CKV, EVAP-VCTV, EGR-T, EGR-VM, (2) EGR-VSV, PAIR-CKV, PAIR-RES, (2) PAIR-VSV, PAIR-RV, SPK-CC
MR2	
2.0L 4-Cyl. (3S-GTE) Turbo SFI	
Major Control Systems & Devices	PCV, EVAP, (1) TWC, FR,

	EGR, SPK, HO2S, CEC, MIL
Components & Other Related Devices	..... EVAP-TV, EVAP-VC, EVAP-CKV, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC
2.2L 4-Cyl. (5S-FE) MFI	
Major Control Systems & Devices	..... PCV, EVAP, (7) TWC, FR, EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	..... EVAP-TV, EVAP-VC, (4) EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, (4) SUB-O2S
Paseo	
1.5L 4-Cyl. MFI	
Major Control Systems & Devices	..... PCV, EVAP, TWC, FR, (8) EGR, SPK, O2S, CEC, MIL
Components & Other Related Devices	..... EVAP-TV, EVAP-VC, (8) EGR-T, (8) EGR-VM, (2) (8) EGR-VSV, SPK-CC
Pickup	
2.4L 4-Cyl. MFI	
Major Control Systems & Devices	..... PCV, EVAP, TWC, FR, EGR, SPK, PAIR, HO2S, CEC, MIL
Components & Other Related Devices	..... EVAP-VC, (9) EGR-TVV, EGR-T, EGR-VM, (2) (4) EGR-VSV, SPK-CC, PAIR-RV, PAIR-RES, (2) PAIR-VSV, PAIR-CKV, (4) SUB-O2S
3.0L V6 MFI	
Major Control Systems & Devices	..... PCV, EVAP, TWC, FR, EGR, SPK, PAIR, HO2S, CEC, MIL
Components & Other Related Devices	..... EVAP-TV, EVAP-VC, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, (4) SUB-O2S, PAIR-RV, PAIR-RES, (2) PAIR-VSV, PAIR-CKV
Previa	
2.4L 4-Cyl. (2TZ-FE) Non-Supercharged MFI	
Major Control Systems & Devices	..... PCV, EVAP, TWC, FR, EGR, SPK, HO2S, CEC, MIL
Components & Other Related Devices	..... EVAP-VC, EGR-TVV, EGR-T, EGR-VM, SPK-CC, SUB-O2S
2.4L 4-Cyl. (2TZ-FZE) Supercharged MFI	
Major Control Systems & Devices	..... PCV, EVAP, (6) TWC, FR, EGR, SPK, HO2S, CEC, MIL (2) EVAP-VSV, EVAP-VC, EGR-T, EGR-VM, (2) EGR-VSV, EGR-CKV, SPK-CC, SUB-O2S
Supra	
3.0L 6-Cyl. Non-Turbo (2JZ-GE) SFI	
Major Control Systems & Devices	.... PCV, EVAP, (6) TWC, FR, EGR, SPK, (10) O2S, CEC, MIL
Components & Other Related Devices	..... (2) EVAP-VSV, EVAP-VC, EVAP-CKV, EGR-CLR, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, (4) SUB-O2S
3.0L 6-Cyl. Turbo (2JZ-GTE) SFI	
Major Control Systems & Devices	..... PCV, EVAP, (6) TWC, FR, EGR, SPK, HO2S, CEC, MIL
Components & Other Related Devices	..... (2) EVAP-VSV, EVAP-VC, EVAP-CKV, EGR-CLR, EGR-T, EGR-VM, (2) EGR-VSV, SPK-CC, SUB-O2S
Tercel	
1.5L 4-Cyl. MFI	
Major Control Systems & Devices	..... PCV, EVAP, TWC, FR, (4) EGR, SPK, O2S, CEC, MIL

Components & Other Related Devices EVAP-TV, EVAP-VC,
(4) EGR-T, (4) EGR-VM,
(2) (4) EGR-VSV, SPK-CC

T100

2.7L 4-Cyl. MFI

Major Control Systems & Devices PCV, EVAP, TWC, FR, EGR,
SPK, (6) HO2S, CEC, MIL

Components & Other Related Devices (2) EVAP-VSV, EVAP-VC,
EVAP-CKV, EGR-T, EGR-VM,
(2) EGR-VSV, SPK-CC

3.0L V6 MFI

Major Control Systems & Devices PCV, EVAP, TWC, FR, EGR,
SPK, PAIR, H2OS, CEC, MIL

Components & Other Related Devices (2) EVAP-VSV, EVAP-VC,
EGR-T, EGR-VM, (2) EGR-VSV,
SPK-CC, PAIR-RV, PAIR-RES,
(2) PAIR-VSV, PAIR-CKV, (4) SUB-O2S

4Runner

2.4L 4-Cyl. MFI

Major Control Systems & Devices PCV, EVAP, TWC, FR, EGR,
SPK, PAIR, HO2S, CEC, MIL

Components & Other Related Devices EVAP-VC, (9) EGR-TVV,
EGR-T, EGR-VM, (2) (4) EGR-VSV,
SPK-CC, PAIR-RV, PAIR-RES,
(2) PAIR-VSV, PAIR-CKV, (4) SUB-O2

3.0L V6 MFI

Major Control Systems & Devices PCV, EVAP, TWC, FR, EGR,
SPK, PAIR, HO2S, CEC, MIL

Components & Other Related Devices EVAP-TV, EVAP-VC, EGR-T,
EGR-VM, (2) EGR-VSV, SPK-CC,
(4) SUB-O2S, PAIR-RV, PAIR-RES,
(2) PAIR-VSV, PAIR-CKV

- (1) - One on exhaust manifold and one on exhaust pipe.
- (2) - Controlled by ECM.
- (3) - Two required. One on each bank.
- (4) - California models only.
- (5) - One on exhaust pipe on all except California models. One on exhaust manifold and one on exhaust pipe on California models.
- (6) - Two required.
- (7) - One on exhaust pipe and exhaust manifold on California models. All others use only one on exhaust manifold.
- (8) - Federal A/T and all California models.
- (9) - Federal and Canada models.
- (10) - Two sensors are used on all models. On California models, heated sensors are used.

ABBREVIATION DEFINITIONS

ABBREVIATION DEFINITION TABLE

Abbreviation	Definition
CEC	Computerized Engine Controls
EGR	Exhaust Gas Recirculation
EGR-CKV	EGR Check Valve
EGR-CLR	EGR Cooler
EGR-T	EGR Temperature Sensor
EGR-TVV	EGR Thermal Vacuum Valve
EGR-VM	EGR Vacuum Modulator
EGR-VSV	EGR Vacuum Switching Valve

EVAP Fuel Evaporative System
EVAP-CKV EVAP Check Valve
EVAP-TV EVAP Thermal Valve
EVAP-VC EVAP Vapor Canister
EVAP-VCTV EVAP Vacuum Control Valve
EVAP-VSV EVAP Vacuum Switching Valve
FR Fill Pipe Restrictor
HO2S Heated Oxygen Sensor
MFI Multiport Fuel Injection
MIL Malfunction Indicator Light
O2S Oxygen Sensor
PAIR Pulsed Secondary Air Injection
PAIR-CKV PAIR Check Valve
PAIR-RES PAIR Resonator
PAIR-RV PAIR Reed Valve
PAIR-VSV PAIR Vacuum Switching Valve
PCV Positive Crankcase Ventilation
SFI Sequential Multiport Fuel Injection
SPK Spark Controls
SPK-CC SPK Computer Controlled
SUB-O2S Sub-Oxygen Sensor
TWC Three-Way Catalytic Converter
