

2002 ENGINE PERFORMANCE

Emission Applications

EMISSION APPLICATIONS

2002 KIA

Model, Engine & Fuel System	(1) Emission Control Systems & Devices
Optima	
2.4L 4-Cyl. SFI	PCV, EGR, EVAP, TWC, WU-TWC, SPK, HO2S ⁽²⁾, CEC, MIL, FR, SFI, EGR-SOL, EVAP-CCV, EVAP-CPCV, EVAP-CKV, EVAP-FTPS, EVAP-ORVR, EVAP-RV, EVAP-VC, SPK-CC
2.7L V6. SFI	PCV, EVAP, TWC, WU-TWC ⁽³⁾, SPK, HO2S ⁽⁴⁾, CEC, MIL, FR, SFI, EVAP-CCV, EVAP-CKV, EVAP-CPCV, EVAP-FTPS, EVAP-FVS, EVAP-ORVR, EVAP-RV, EVAP-VC, SPK-CC
Rio	
1.5L 4-Cyl. SFI	PCV, EVAP, TWC, WU-TWC, SPK, HO2S ⁽²⁾, CEC, MIL, FR, SFI, EVAP-CCV, EVAP-CPCV, EVAP-CKV, EVAP-FTPS, EVAP-ORVR, EVAP-RV, EVAP-VC, SPK-CC
Sedona	
3.5L V6. SFI	PCV, EVAP, TWC, WU-TWC ⁽³⁾, SPK, HO2S ⁽⁴⁾, CEC, MIL, FR, SFI, EVAP-CCV, EVAP-CKV, EVAP-CPCV, EVAP-FTPS, EVAP-FVS, EVAP-ORVR, EVAP-RV, EVAP-VC, SPK-CC
Spectra	
1.8L 4-Cyl. SFI	PCV, EVAP, TWC, WU-TWC, SPK, HO2S ⁽²⁾, CEC, MIL, FR, SFI, EVAP-CCV, EVAP-CPCV, EVAP-FTPS, EVAP-ORVR, EVAP-RV, EVAP-VC, SPK-CC
Sportage	
2.0L 4-Cyl. SFI	PCV, EVAP, TWC, WU-TWC, SPK, HO2S ⁽²⁾, CEC, MIL, FR, SFI, EVAP-CCV, EVAP-CKV, EVAP-CPCV, EVAP-FTPS, EVAP-FVS, EVAP-RV, EVAP-VC, SPK-CC
(1) For quick reference, major emission control systems and devices are listed in bold type; components and other related devices are listed in light type.	
(2) Uses two HO2S sensors.	
Uses two warm-up three-way catalytic converters.	

(3)

(4) Uses four HO₂S sensors.

ABBREVIATIONS

CEC

Computerized Engine Controls

EGR

Exhaust Gas Recirculation

EGR-SOL

EGR Control Solenoid

EVAP

Fuel Evaporative System

EVAP-CCV

EVAP Canister Close Valve

EVAP-CKV

EVAP Canister Check Valve

EVAP-CPCV

EVAP Canister Purge Control Valve

EVAP-FTPS

EVAP Fuel Tank Pressure Sensor

EVAP-FVS

EVAP Fuel Vapor Separator

EVAP-ORVR

EVAP On-Board Refueling Vapor Recovery

EVAP-RV

EVAP Rollover Valve

EVAP-VC

EVAP Vapor Canister

FR

Fuel Pipe Restrictor

HO2S

Heated Oxygen Sensor

MIL

Malfunction Indicator Light

PCV

Positive Crankcase Ventilation

SFI

Sequential Fuel Injection

SPK

Spark Controls

SPK-CC

SPK Computer Controlled

TWC

Three-Way Catalyst

WU-TWC

Warm-Up Three-Way Catalyst
