

Emissions Control System

GENERAL	EC - 2
CRANKCASE EMISSION CONTROL SYSTEM	EC -11
EVAPORATIVE EMISSION CONTROL SYSTEM	EC -14
EXHAUST EMISSION CONTROL SYSTEM	EC -18



GENERAL

SPECIFICATIONS

EEDA0010

Components	Function	Remarks
Crankcase Emission System Positive Crankcase Ventilation (PCV) valve	HC reduction	Variable flow rate type
Evaporative Emission System Evaporative emission canister EVAP Canister Purge Solenoid Valve	HC reduction	Duty control solenoid valve
Exhaust Emission System MFI system (air-fuel mixture control device) Three-way catalytic converter	CO, HC, NOx reduction CO, HC, NOx reduction	Heated oxygen sensor feedback type Monolithic type

MFI : Multiport Fuel Injection

EVAP : Evaporative Emission

SERVICE STANDARD

Evaporative emission canister purge solenoid valve Coil resistance	26 Ω [at 20°C (68°F)]
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TIGHTENING TORQUE

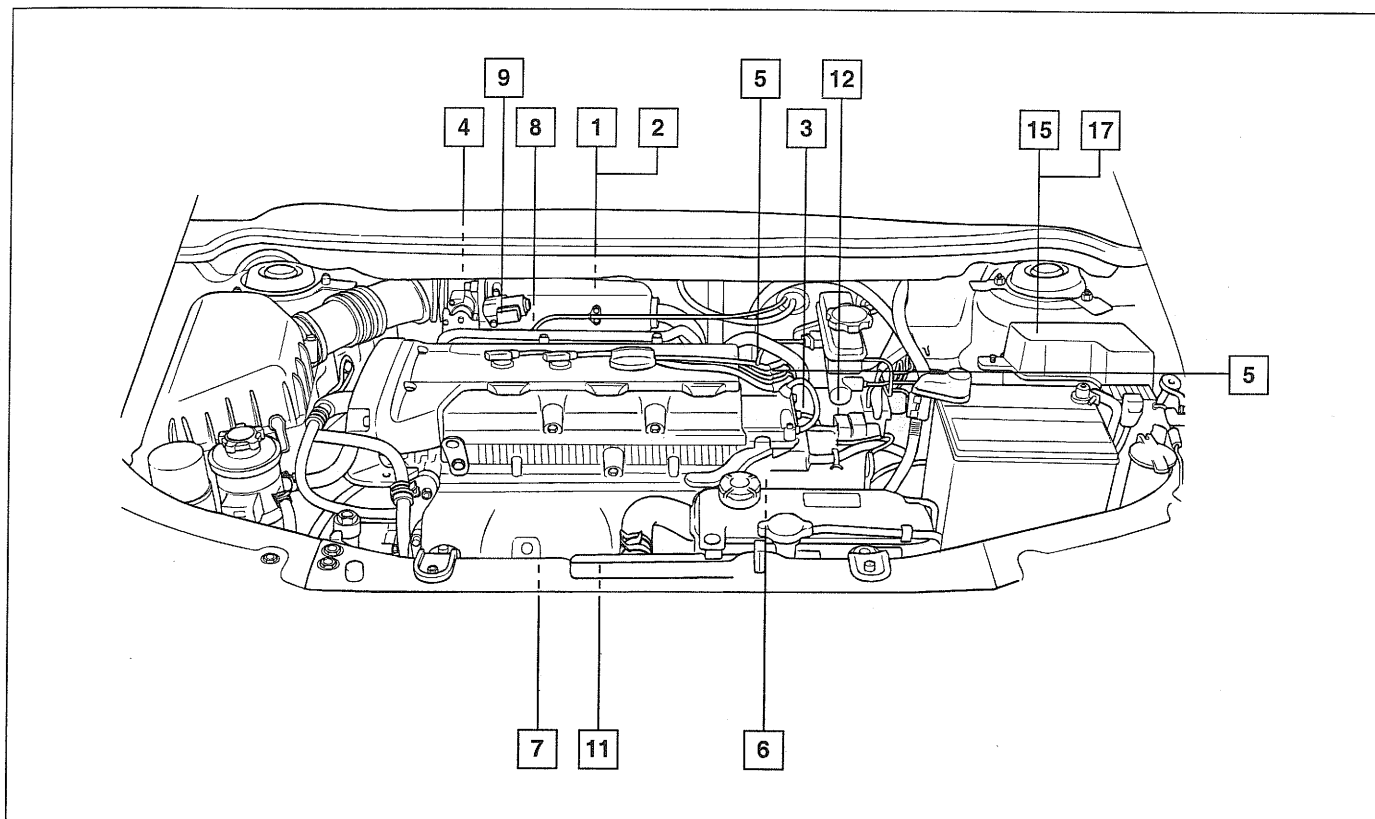
	Nm	kg.cm	lb.ft
Positive Crankcase Ventilation Valve	8-12	80-120	6-8

TROUBLESHOOTING

Symptom	Probable cause	Remedy
Engine will not start or hard to start	Vacuum hose disconnected or damaged Malfunction of the EVAP Canister Purge Solenoid Valve	Repair or replace Repair or replace
Rough idle or engine stalls	Vacuum hose disconnected or damaged Malfunction of the PCV valve. Malfunction of the evaporative emission canister purge system	Repair or replace Replace Check the system; if there is a problem, check related components parts
Excessive oil consumption	Positive crankcase ventilation line clogged	Check positive crankcase ventilation system

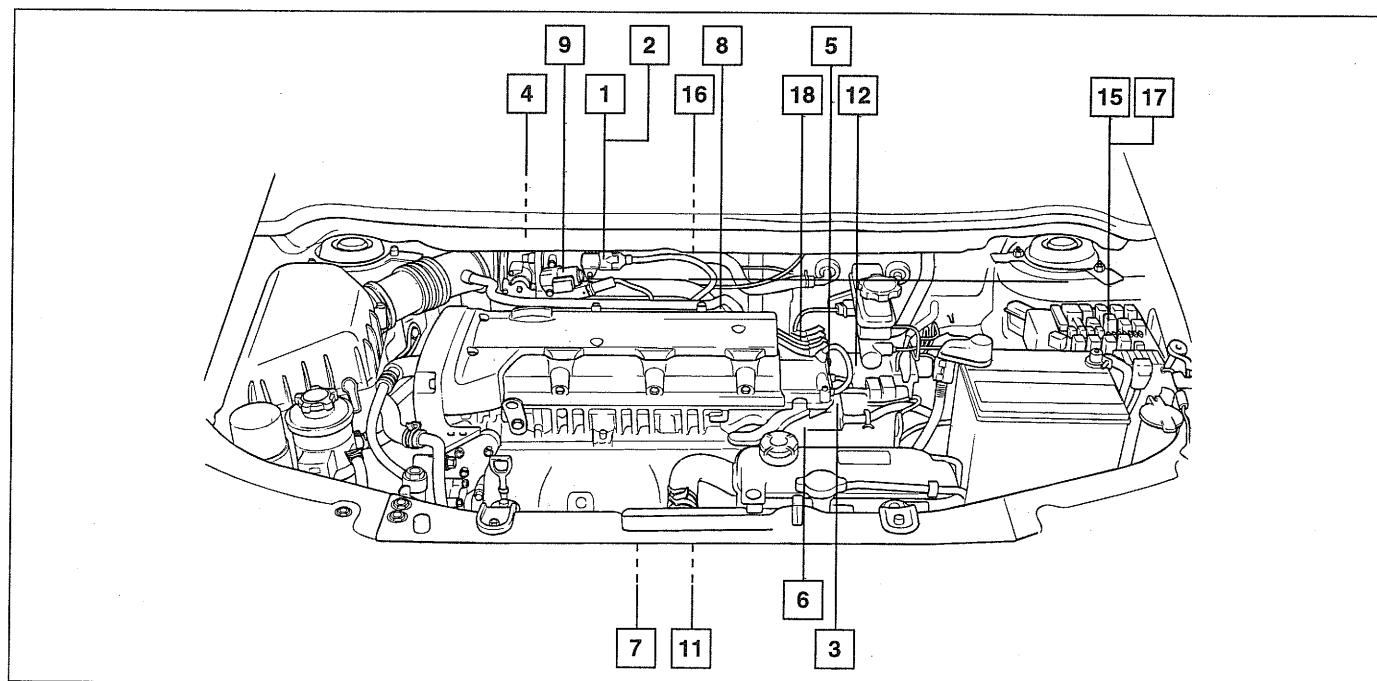
EMISSION CONTROLS LOCATION [1.6]

I4] EEND0050

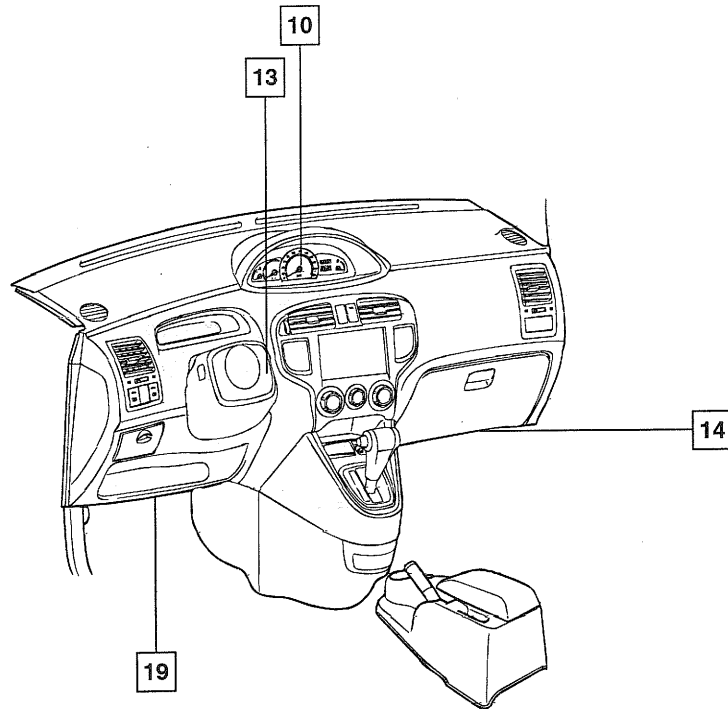


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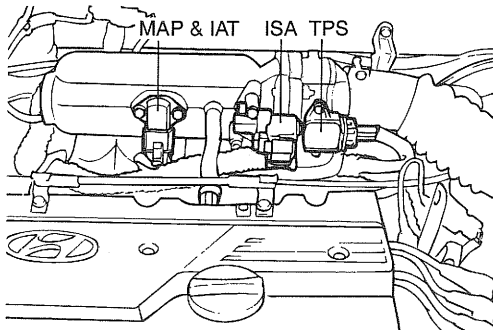
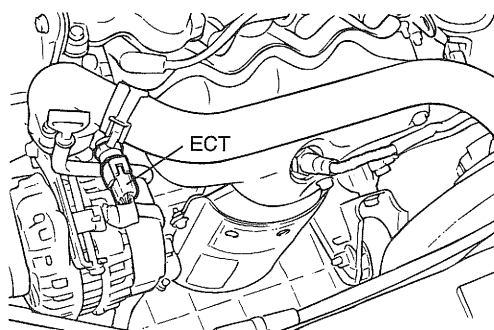
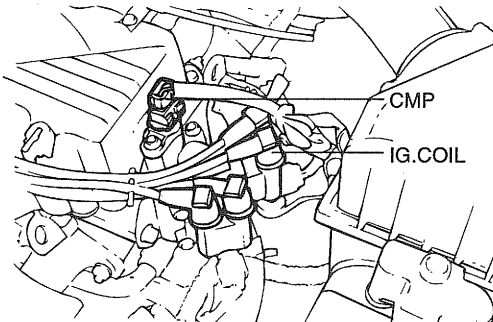
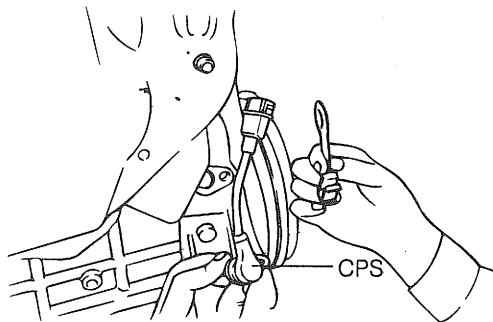
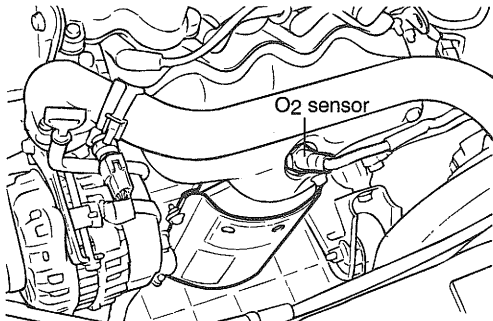
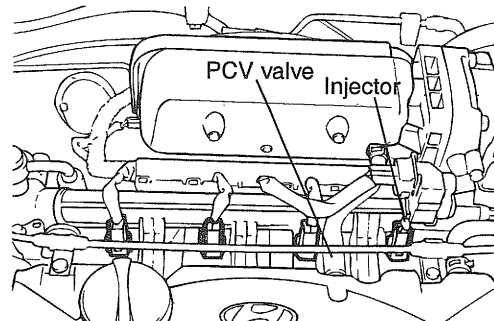
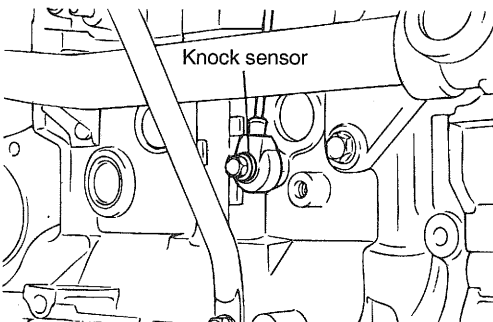
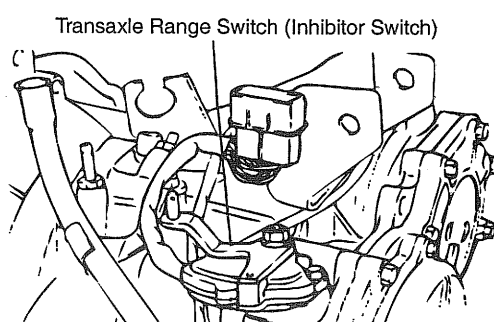
EMISSION CONTROLS LOCATION [1.8 I4]

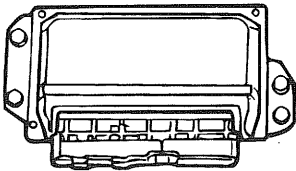
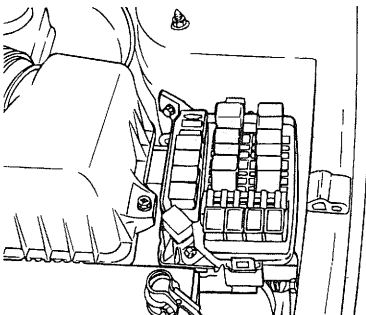
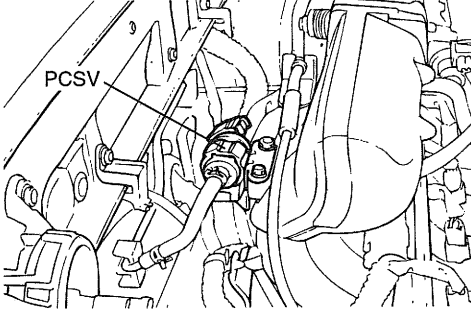
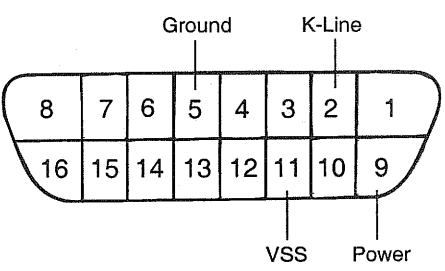


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|--|---|
| 1 Manifold Absolute Pressure (MAP) Sensor | 11 Knock Sensor |
| 2 Intake Air Temp. (IAT) Sensor | 12 Inhibitor Switch |
| 3 Engine Coolant Temp. (ECT) Sensor | 13 Ignition Switch |
| 4 Throttle Position Sensor (TPS) | 14 ECM |
| 5 Camshaft Position Sensor (CMP) | 15 Air Conditioner Relay |
| 6 Crankshaft Position Sensor (CKP) | 16 Purge Control Solenoid Valve (PCSV) |
| 7 Heated Oxygen Sensor | 17 Control Relay |
| 8 Injector | 18 Ignition Coil |
| 9 Idle Speed Actuator (ISA) | 19 Data Link Connector (DLC) |
| 10 Vehicle Speed Sensor (VSS) | |

1	2	4	9		3	
 MAP & IAT ISA TPS				 ECT		
EFDA301L				EFDA301D		
5	18			6		
 CMP IG.COIL				 CPS		
EFKB301E				EFDA701E		
7				8		
 O2 sensor				 PCV valve Injector		
EFDA301K				EEDA105B		
11				12		
 Knock sensor				 Transaxle Range Switch (Inhibitor Switch)		
EFDA701C				EFDA701D		

14		15	17
 EFDA301H		 EFDA735A	
16		19	
 EEDA204A		 V5FL006B	