

## SECTION 17

# ENGINE and EMISSION CONTROL

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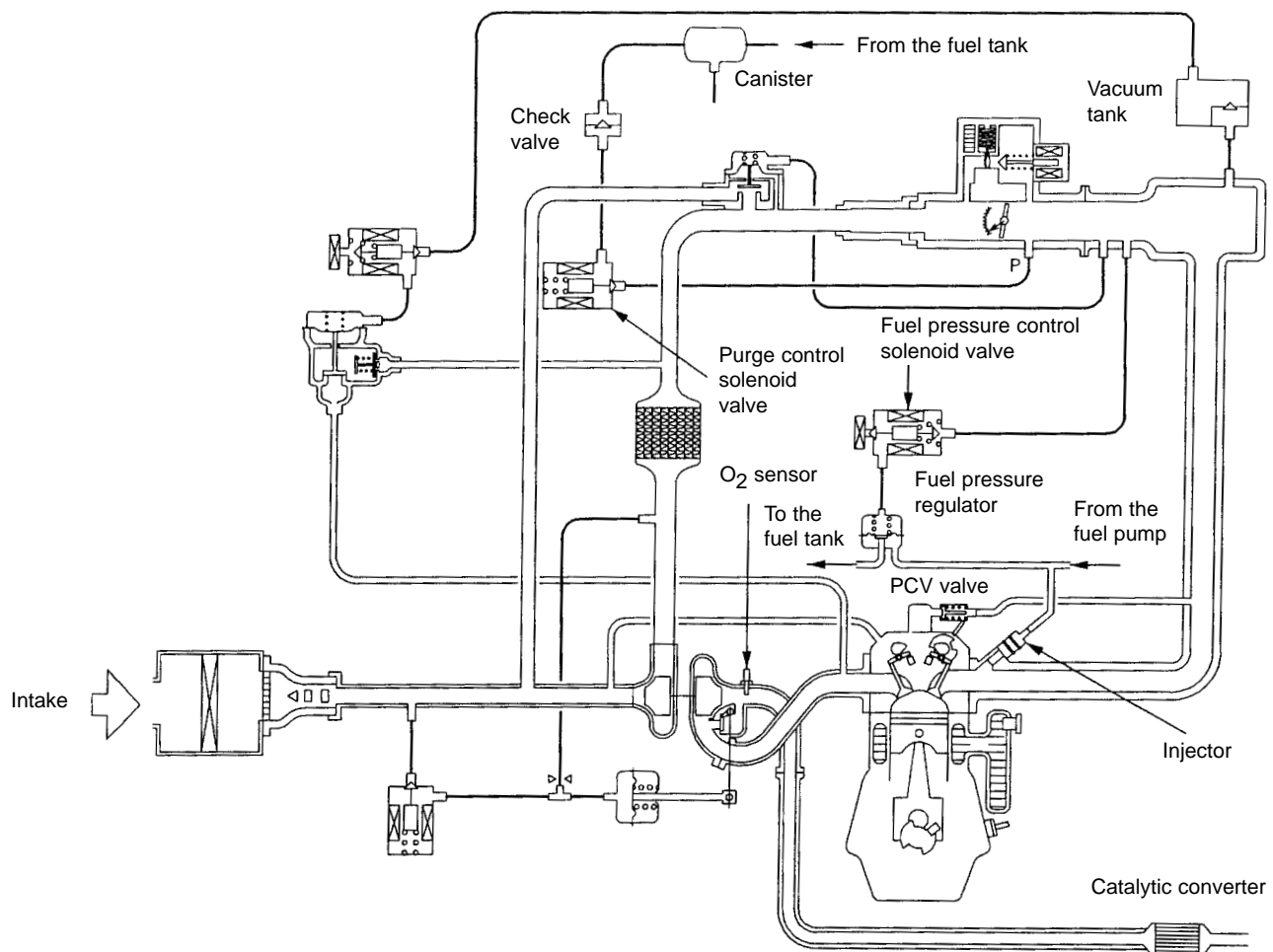
**EMISSION CONTROL <MPI>****General**

These are based on the existing Lancer Evolution VII 4G63-DOHC-T/C engine control system, and the Exhaust Gas Recirculation (EGR) devices have been deleted.

Other servicing information remains the same.

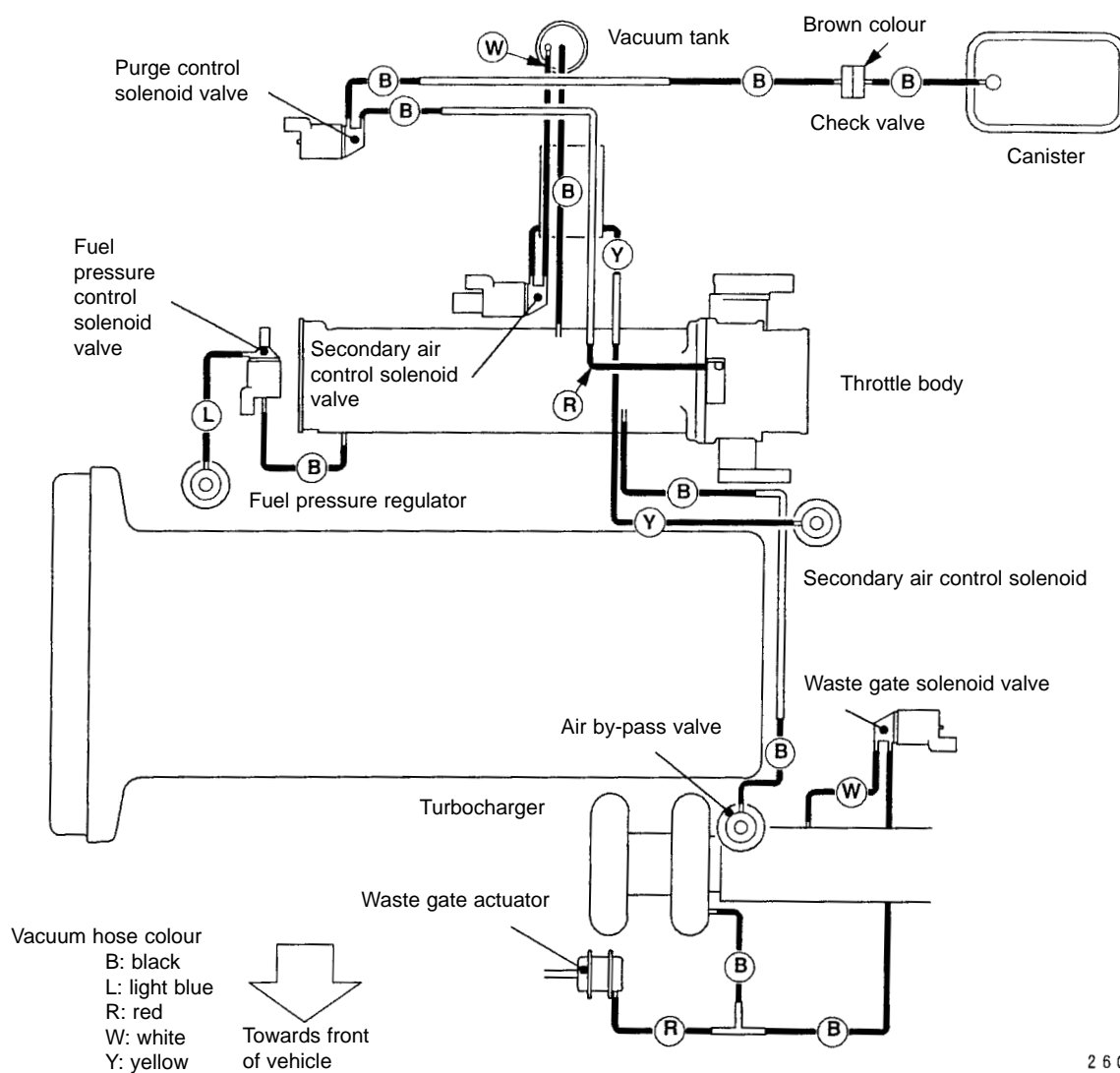
### On-vehicle servicing

### System diagram



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## Vacuum Hose Layout

**Checks**

1. Check that the vacuum hoses are correctly laid out, based on the Vacuum Hose Layout diagram above.
2. Check the connection condition (detached, loose etc.) of the vacuum hoses, and confirm they are not bent or damaged.

## 17-4 ENGINE and EMISSION CONTROL – Emission Control <MPI>

### Exhaust Gas Cleaning Device List

Related parts	Air fuel ratio control device	Blow-by gas circulation device	Evaporative emission control device	3-way catalytic converter	Component page reference
Engine ECU	O				-
O <sub>2</sub> sensor	O				*1
Air flow sensor	O				*1
Intake air temperature sensor	O				*1
Atmospheric air pressure sensor	O				*1
Water temperature sensor	O				*1
Throttle position sensor	O				*1
Crank angle sensor	O				*1
Cam position sensor	O				*1
Injector	O				*1
Positive Crank Case Ventilation (PCV) valve		O			17-8*2
Canister			O		-
Check valve			O		17-9*2
Purge control solenoid valve			O		17-22*2
Catalytic converter				O	-

#### Note

\*1: Refer to Chapter 13A On-vehicle Servicing

\*2: Refer to '01-1 Lancer Evolution VII Service Manual (No. 1036K02)