



## System Description

The emission control system includes a Three Way Catalytic Converter (TWC), Exhaust Gas Recirculation (EGR) system (D15Z3 engine), Positive Crankcase Ventilation (PCV) system and Evaporative Emission (EVAP) Control system.

## Tailpipe Emission

### Inspection

**⚠ WARNING** Do not smoke during this procedure. Keep any open flame away from your work area.

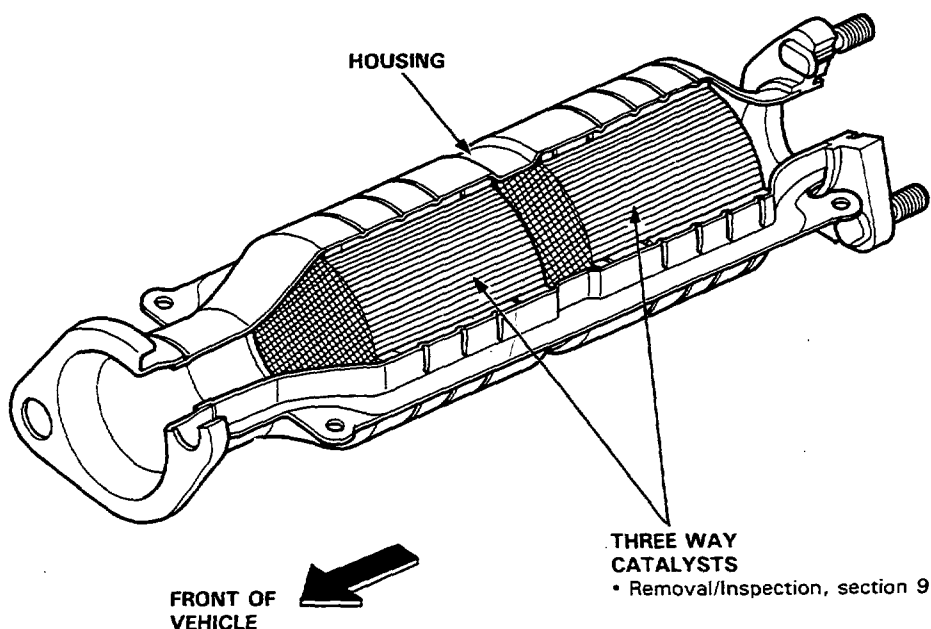
1. Connect a tachometer.
2. Start the engine. Hold the engine at 3,000 rpm ( $\text{min}^{-1}$ ) with no load (A/T in **N** or **P** position, M/T in neutral) until the radiator fan comes on, then let it idle.
3. Check and adjust the idle speed, if necessary (see page 11-73).
4. Warm up and calibrate the CO meter according to the meter manufacturer's instructions.
5. Check idle CO with the headlights, heater blower, rear window defogger, cooling fan, and air conditioner off.

CO meter should indicate 0.1% maximum.

## Three Way Catalytic Converter (TWC)

### Description

The Three Way Catalytic Converter (TWC) is used to convert hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) in the exhaust gas to carbon dioxide (CO<sub>2</sub>), dinitrogen (N<sub>2</sub>) and water vapor.



The illustration shows the TWC for except D15Z3 engine.

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