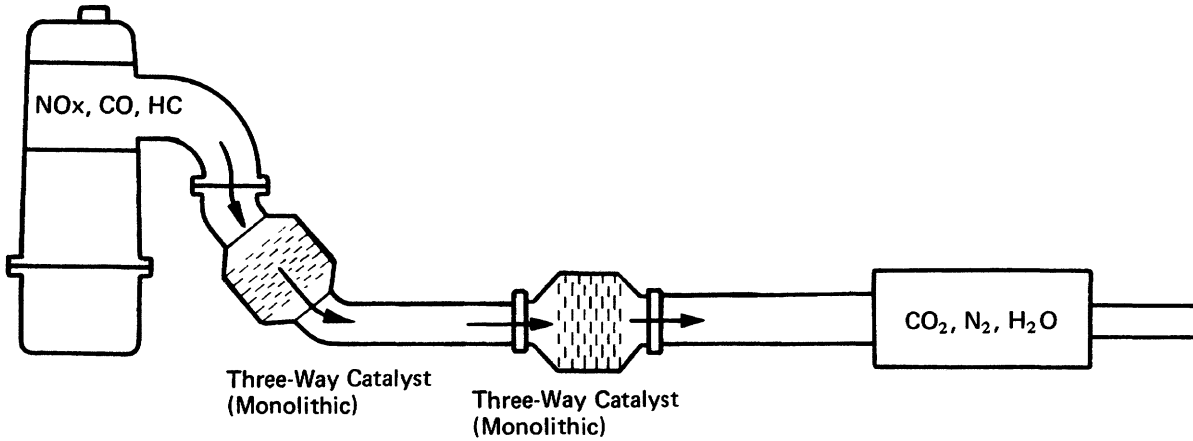
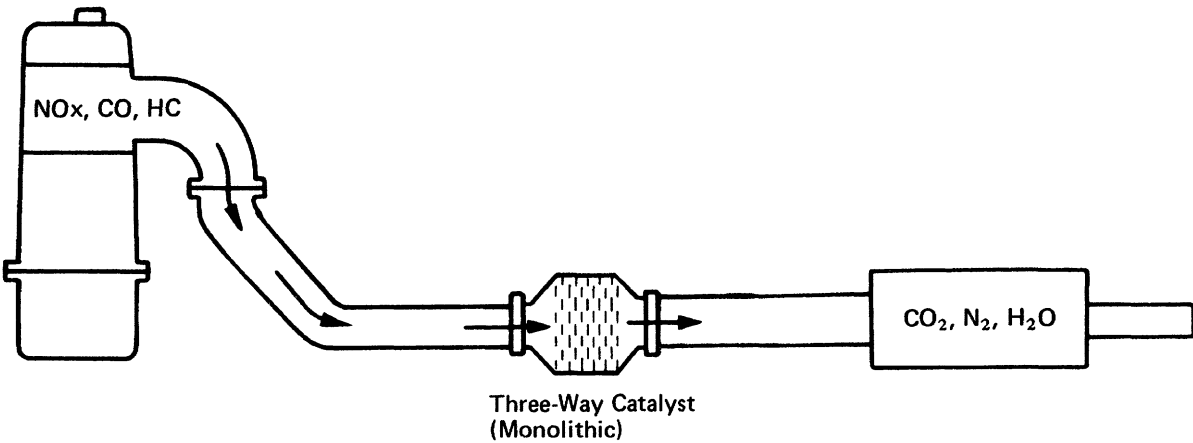


# THREE-WAY CATALYST (TWC) SYSTEM

## California Specification Vehicles



## Federal and Canada Specification Vehicles



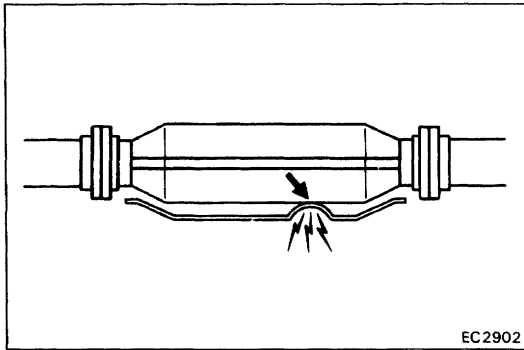
EC3340  
EC3427

To reduce HC, CO and NO<sub>x</sub> emissions, they are oxidized, reduced and converted to nitrogen (N<sub>2</sub>), carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O) by the catalyst.

Exhaust port		TWC		Exhaust Gas
HC, CO, AND NO <sub>x</sub>	→	OXIDATION AND REDUCTION	→	CO <sub>2</sub> H <sub>2</sub> O N <sub>2</sub>

## INSPECTION OF EXHAUST PIPE ASSEMBLY

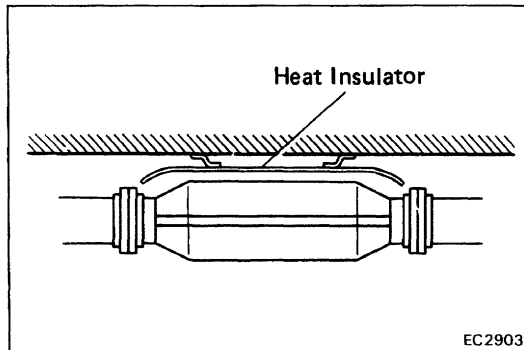
1. CHECK CONNECTIONS FOR LOOSENESS OR DAMAGE
2. CHECK CLAMPS FOR WEAKNESS, CRACKS OR DAMAGE



## INSPECTION OF CATALYTIC CONVERTER

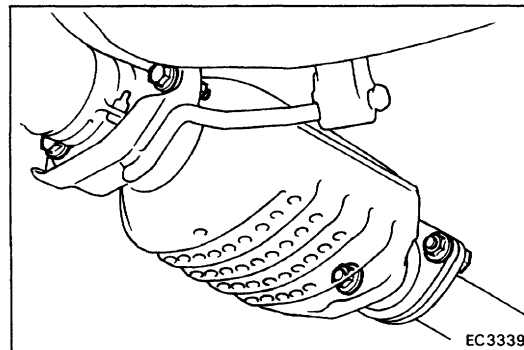
### CHECK FOR DENTS OR DAMAGE

If any part of the protector is damaged or dented to the extent that it touches the catalyst, repair or replace it.



## INSPECTION OF HEAT INSULATOR

1. CHECK HEAT INSULATOR FOR DAMAGE
2. CHECK FOR ADEQUATE CLEARANCE BETWEEN CATALYTIC CONVERTER AND HEAT INSULATOR



## REPLACEMENT OF CATALYTIC CONVERTER

### 1. REMOVE CONVERTER

- (a) Jack up the vehicle.
- (b) Check that the converter is cool.
- (c) Remove the bolts and nuts at the front and rear of the converter.
- (d) Remove the converter and gaskets.

### 2. INSTALL CONVERTER

- (a) Place new gaskets on the converter front and rear pipes, and connect the converter to the exhaust pipes.
- (b) Tighten the bolts and nuts.

**Torque: Catalyst-Exhaust pipe**

**440 kg-cm (32 ft-lb, 43 N-m )**