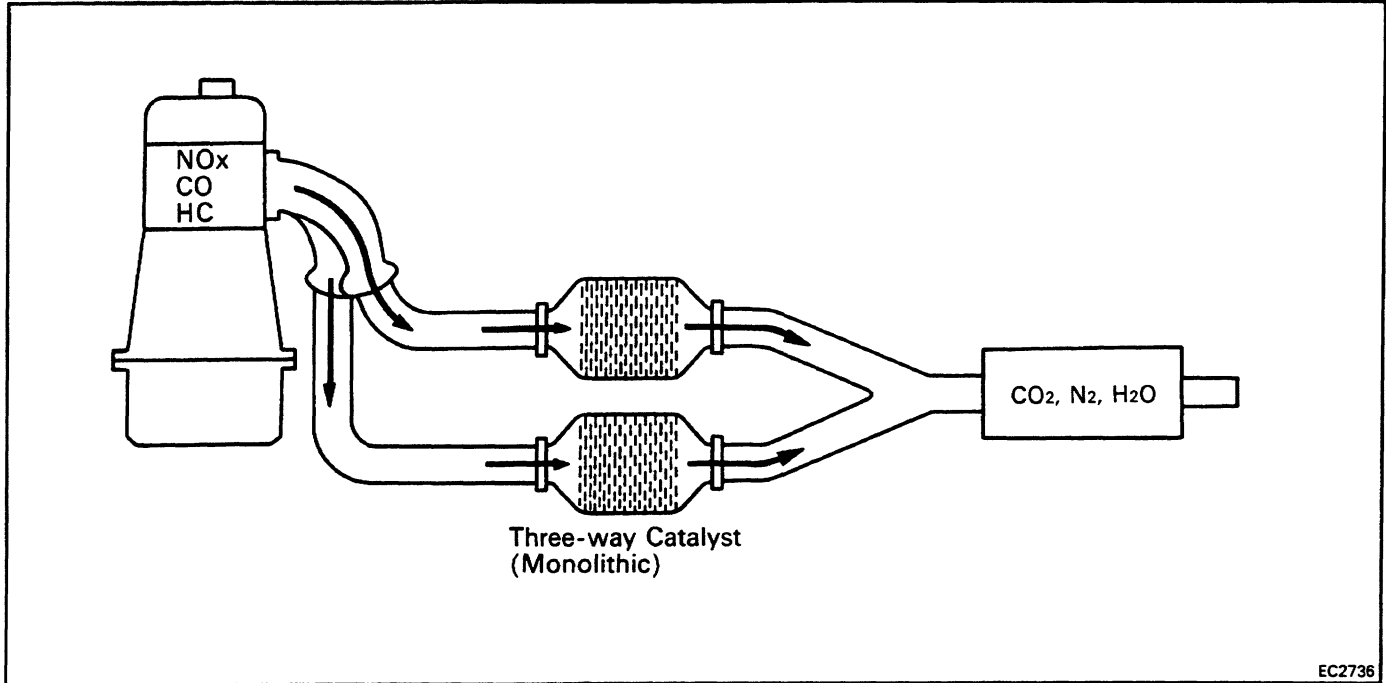


THREE-WAY CATALYST (TWC) SYSTEM

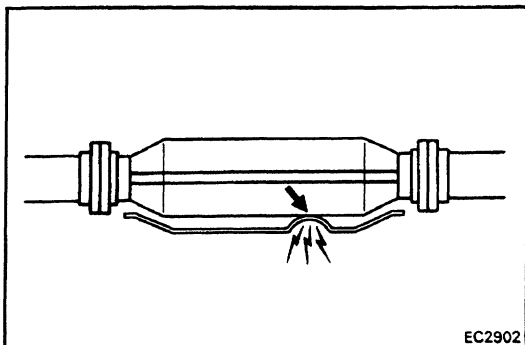


To reduce NO_x , CO and HC emissions, they are oxidized, reduced and converted to nitrogen (N_2), carbon dioxide (CO_2) and water (H_2O) by the catalyst.

Exhaust Port		TWC		Exhaust Gas
HC , CO and NO_x	→	Oxidation and reduction	→	CO_2 H_2O N_2

INSPECTION OF EXHAUST PIPE ASSEMBLY

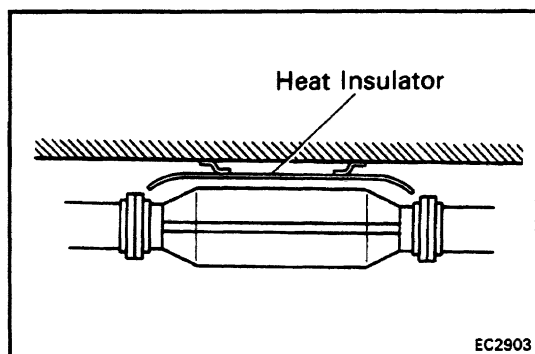
1. CHECK CONNECTIONS FOR LOOSENESS OR DAMAGE
2. CHECK CLAMPS FOR WEAKNESS, CRACKS OR DAMAGE



INSPECTION OF CATALYST CONVERTER

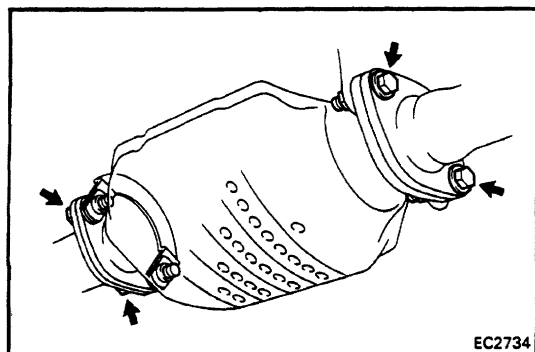
CHECK FOR DENTS OR DAMAGE

If any part of the protector is damaged or dented to the extent that it contacts 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 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.

Torque: Catalyst - Exhaust pipe

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

- (c) Reinstall the bracket bolts and tighten them.