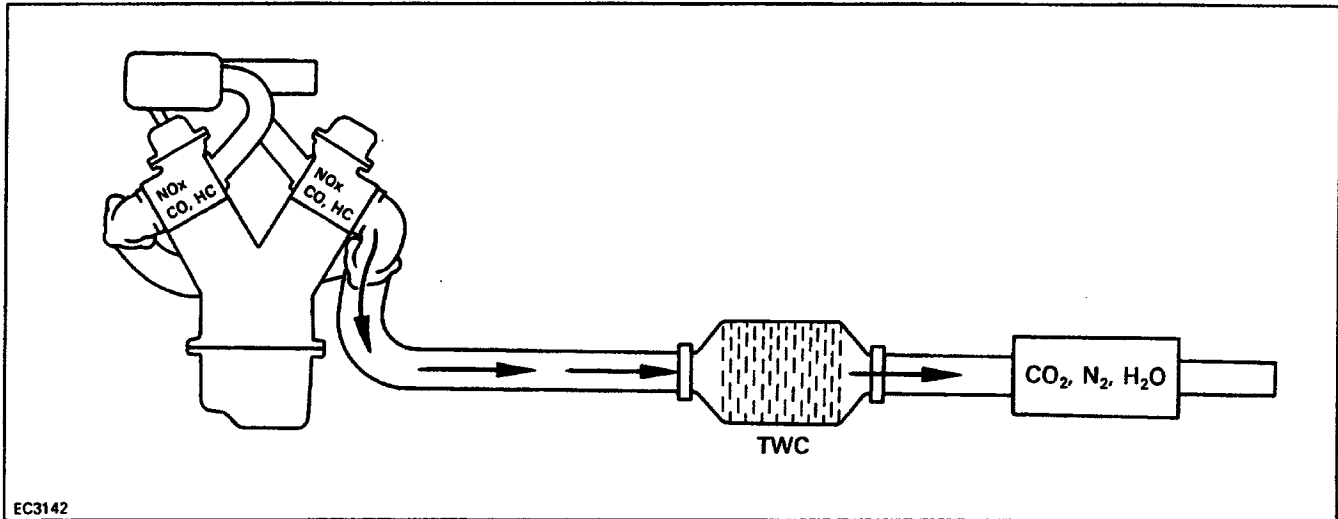


THREE-WAY CATALYTIC CONVERTER (TWC) SYSTEM

00214-01



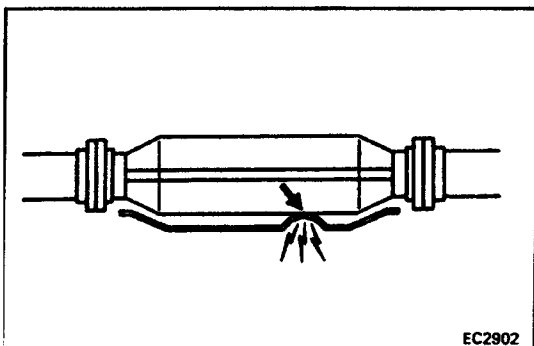
To reduce HC, CO and NOx emissions, they are oxidized, reduced and converted to nitrogen (N₂), carbon dioxide (CO₂) and water (H₂O) by the catalyst.

Exhaust Port		TWC		Exhaust Gas
HC, CO and NOx	→	Oxidation and reduction	→	CO ₂ H ₂ O N ₂

V01947

EXHAUST PIPE ASSEMBLY INSPECTION

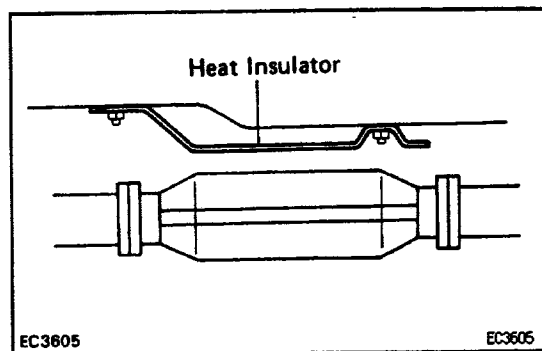
1. CHECK CONNECTIONS FOR LOOSENESS OR DAMAGE
2. CHECK CLAMPS FOR WEAKNESS, CRACKS OR DAMAGE



THREE-WAY CATALYTIC CONVERTER INSPECTION

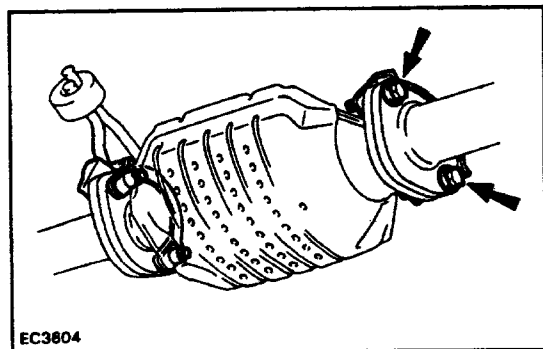
CHECK FOR DENTS OR DAMAGE

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



HEAT INSULATOR INSPECTION

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



THREE-WAY CATALYTIC CONVERTER REPLACEMENT

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 gasket.

2. INSTALL CONVERTER

- (a) Place new gaskets on the converter front and rear pipes, and connect the converter to the exhaust pipes.
- (b) Torque the bolts.
Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)
- (c) Reinstall the bracket bolts and tighten them.

SERVICE SPECIFICATIONS

SERVICE DATA

VSV for EGR	Resistance (at 20° C (68° F))	30 – 50 Ω
VSV for PAIR	Resistance (at 20° C (68° F))	30 – 50 Ω

901PR-02

TORQUE SPECIFICATIONS

Part tightened	N-m	kgf-cm	ft-lbf
TVV x Cylinder block	25	250	18
TWC x Exhaust pipe	39	400	29