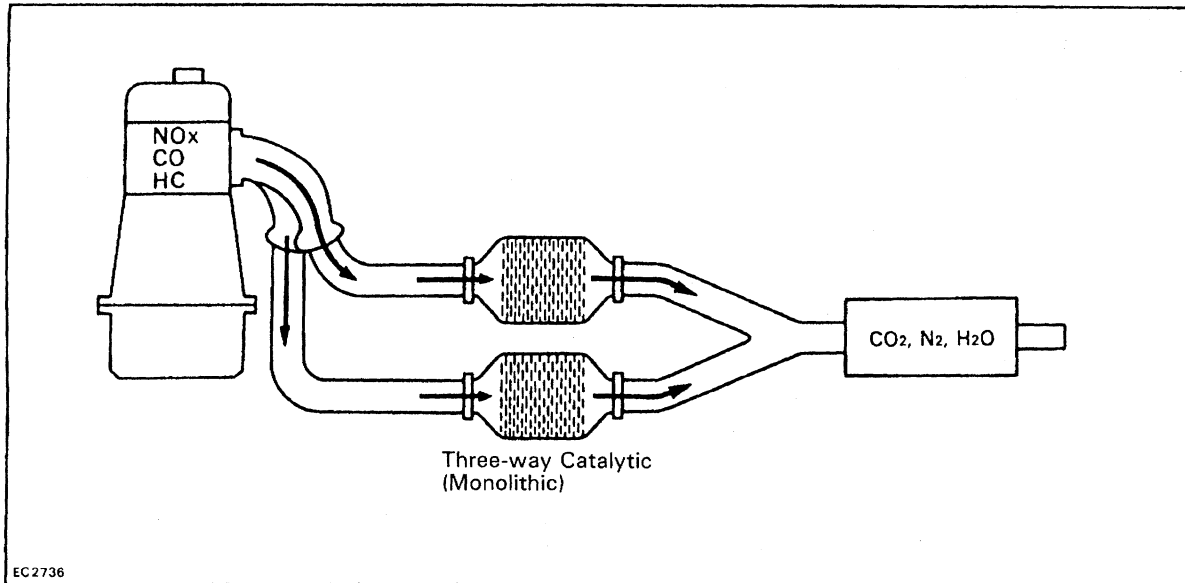


THREE-WAY CATALYTIC CONVERTER (TWC) SYSTEM

EG05T-07



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

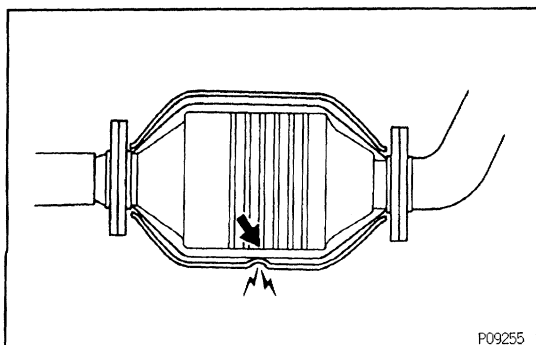
Exhaust Port		TWC		Exhaust Gas
HC, CO and NO _x	→	Oxidation and reduction	→	CO ₂ H ₂ O N ₂

V01989

EO06E-01

EXHAUST PIPE ASSEMBLY INSPECTION

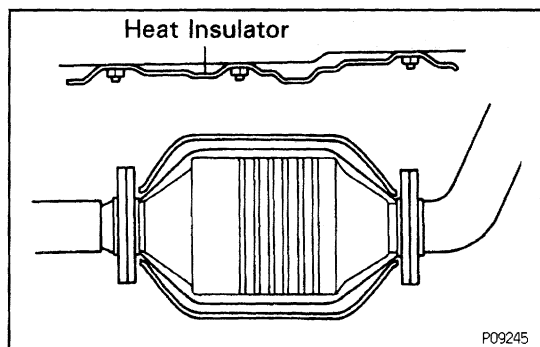
1. CHECK CONNECTIONS FOR LOOSENESS OR DAMAGE
2. CHECK CLAMPS FOR WEAKNESS, CRACKS OR DAMAGE



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 touches the converter, repair or replace it.



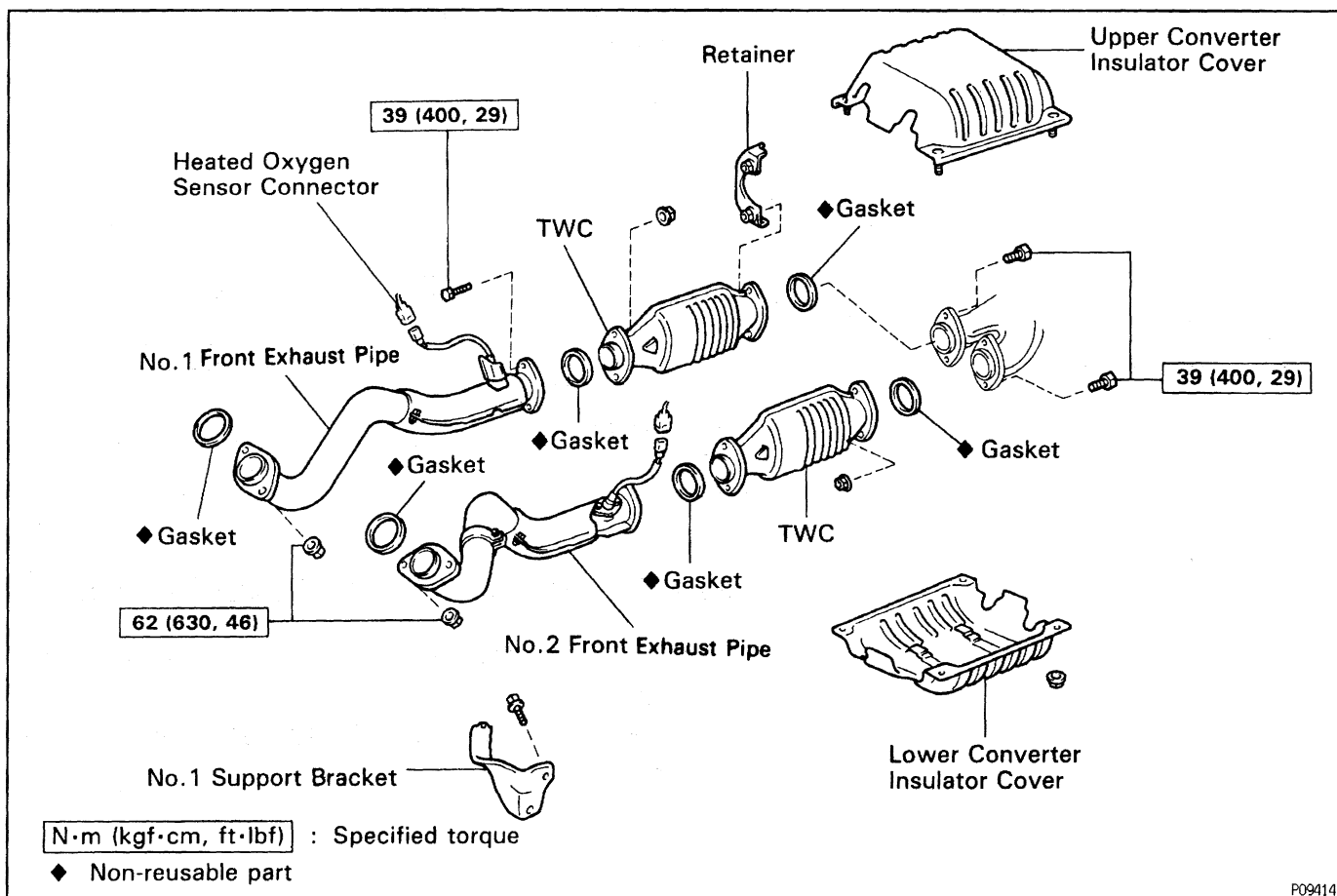
HEAT INSULATOR INSPECTION

EG06G-03

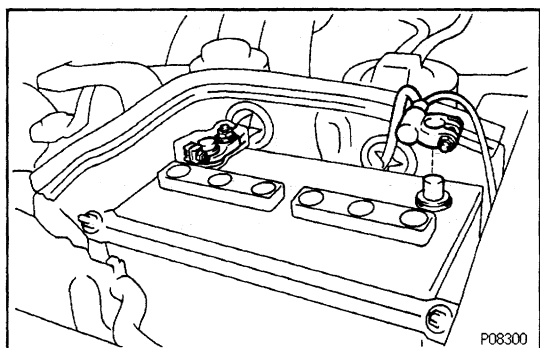
1. CHECK HEAT INSULATOR FOR DAMAGE
2. CHECK FOR ADEQUATE CLEARANCE BETWEEN CATALYTIC CONVERTER AND HEAT INSULATOR

COMPONENTS FOR THREE-WAY CATALYTIC CONVERTERS REMOVAL AND INSTALLATION

EG1T4-01

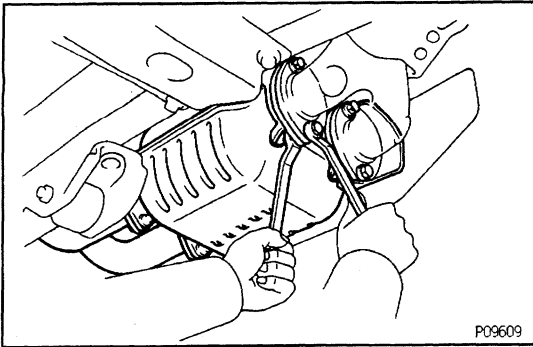


P09414



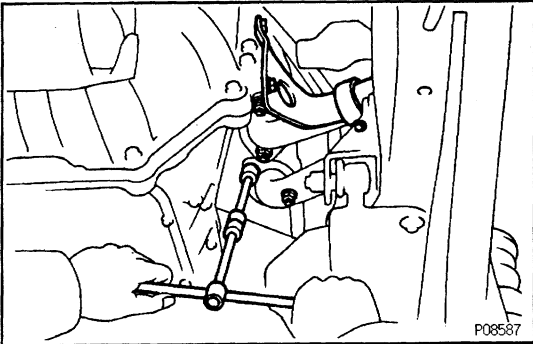
THREE-WAY CATALYTIC CONVERTERS REPLACEMENT

1. DISCONNECT NEGATIVE TERMINAL CABLE FROM BATTERY
2. DISCONNECT HEATED OXYGEN SENSOR CONNECTERS



3. REMOVE FRONT EXHAUST PIPE ASSEMBLY

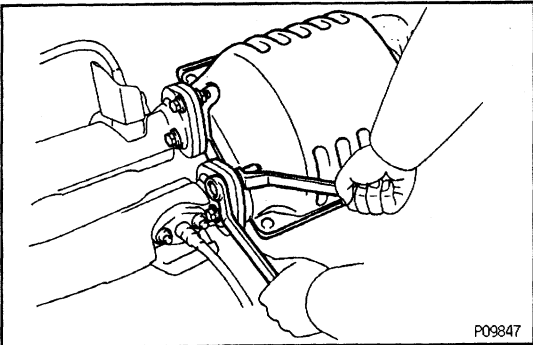
(a) Remove the 4 bolts, 2 nuts and retainer holding the front No.3 front exhaust pipe to the converters.



(b) Loosen the clamp bolt and disconnect the clamp from the No.1 support bracket.

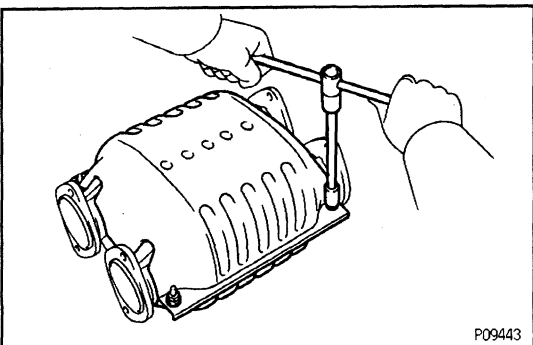
(c) Remove the 2 bolts and No.1 support bracket.

(d) Remove the 4 nuts, front exhaust pipe assembly and 4 gaskets.

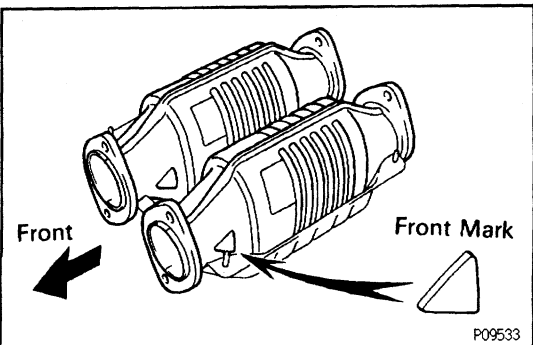


4. REMOVE CONVERTERS (TWC)

(a) Remove the 4 bolts, nuts, 2 front exhaust pipes and gaskets.

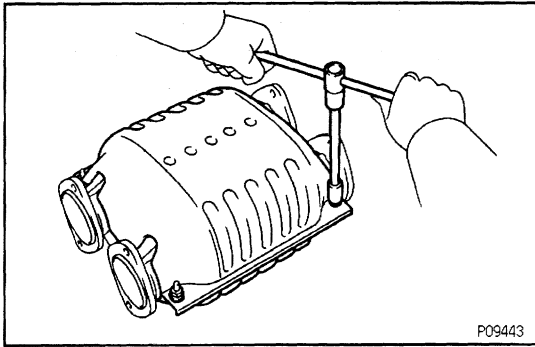


(b) Remove the 4 nuts, 2 insulator covers and TWCs.



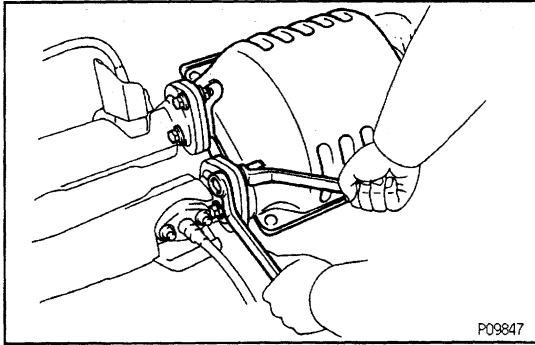
5. REINSTALL CONVERTERS (TWC)

(a) Place TWCs on the upper converter insulator cover, with the front mark of the TWC facing forward.



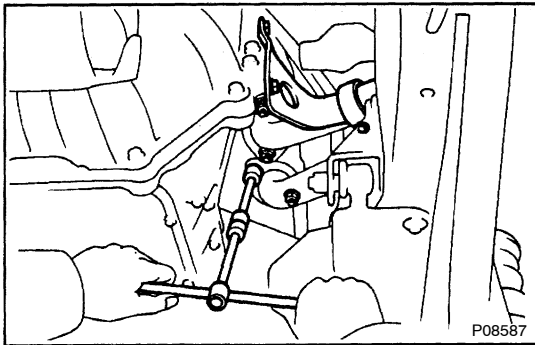
(b) Install the lower converter insulator cover with the 4 nuts.

Torque: 11 N-m (110 kgf-cm, 8 ft-lbf)



(c) Install 2 new gaskets and the front exhaust pipes with the 4 bolts and nuts.

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)



6. REINSTALL FRONT EXHAUST PIPE ASSEMBLY

(a) Install 2 new gaskets and the front exhaust pipe assembly with the 4 nuts.

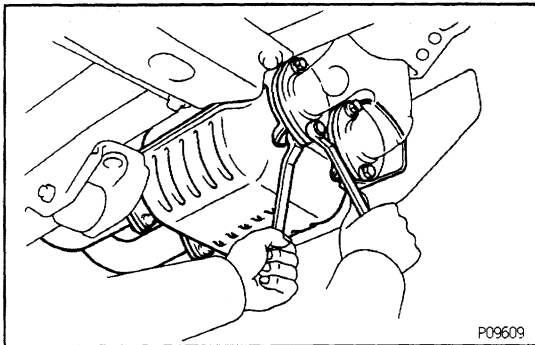
Torque: 62 N-m (630 kgf-cm, 46 ft-lbf)

(b) Install the No.1 support bracket with the 2 bolts.

Torque: 24 N-m (240 kgf-cm, 17 ft-lbf)

(c) Connect the clamp and tighten the clamp bolt.

Torque: 19 N-m (195 kgf-cm, 14 ft-lbf)



(d) Connect 2 new gaskets and the front exhaust pipe assembly to the No.3 front exhaust pipe with the 4 bolts, 2 nuts and retainer.

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)

7. RECONNECT HEATED OXYGEN SENSOR CONNECTORS

8. RECONNECT NEGATIVE TERMINAL CABLE TO BATTERY