

## **2008 ENGINE**

### **Exhaust System (MZI-3.7) - Mazda CX-9**

#### **EXHAUST SYSTEM INSPECTION [MZI-3.7]**

1. Start the engine and inspect each exhaust system component for exhaust gas leakage.
  - If leakage is found, repair or replace as necessary.

#### **EXHAUST SYSTEM REMOVAL/INSTALLATION [MZI-3.7]**

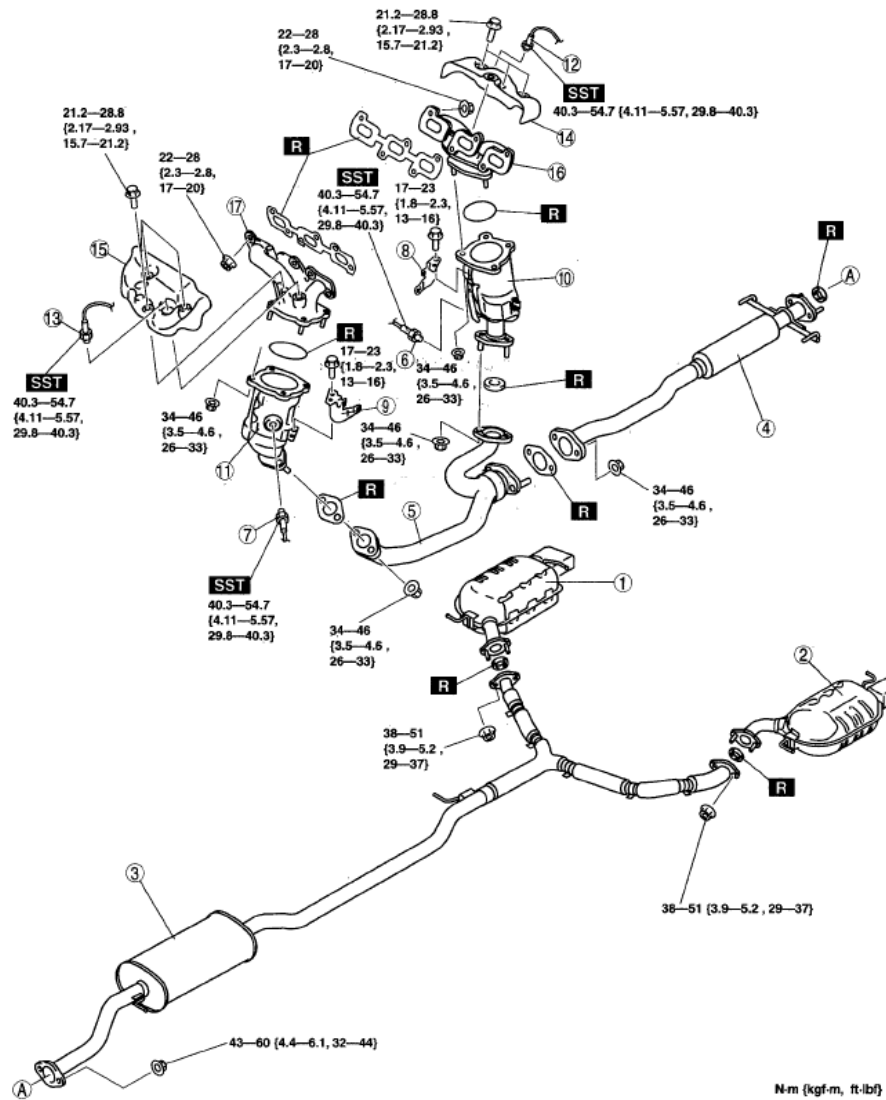
**WARNING:**

- **When the engine and exhaust system are hot, they can badly burn. Turn off the engine and wait until they are cool before removing the exhaust system.**

1. Disconnect the negative battery cable. (See **BATTERY REMOVAL/INSTALLATION [MZI-3.7]** .)
2. Remove the engine cover. (See **ENGINE COVER REMOVAL/INSTALLATION [MZI-3.7]** .)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.

# 2008 Mazda CX-9 Grand Touring

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N-m (kgf-m, ft-lbf)

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1	Main silencer (RH)
2	Main silencer (LH)
3	Presilencer
4	Middle pipe
5	Front pipe
6	Rear HO2S (RH) (See 01-40-27 REAR HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [MZI-3.7].)
7	Rear HO2S (LH) (See 01-40-27 REAR HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [MZI-3.7].)
8	WU-TWC (RH) bracket (L type)
9	WU-TWC (LH) bracket (L type)
10	WU-TWC (RH) (See 01-15-3 Warm Up Three Way Catalytic Converter (WU-TWC) (RH) Removal Note.) (See 01-15-3 Warm Up Three Way Catalytic Converter (WU-TWC) (RH) Installation Note.)

11	WU-TWC (LH) (See 01-15-3 Warm Up Three Way Catalytic Converter (WU-TWC) (LH) Installation Note.)
12	Front HO2S (RH) (See 01-40-24 FRONT HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [MZI-3.7].)
13	Front HO2S (LH) (See 01-40-24 FRONT HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [MZI-3.7].)
14	Exhaust manifold insulator (RH)
15	Exhaust manifold insulator (LH) (See 01-15-3 Exhaust Manifold Insulator (LH) Removal Note.)
16	Exhaust manifold (RH)
17	Exhaust manifold (LH)

**Fig. 1: Exploded View Of Exhaust Components & Torque Specifications**  
 Courtesy of MAZDA MOTORS CORP.

**WARM UP THREE WAY CATALYTIC CONVERTER (WU-TWC) (RH) REMOVAL NOTE**

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### 2WD

1. Remove the joint shaft. (See **JOINT SHAFT REMOVAL/INSTALLATION [2WD]** .)
2. Remove the WU-TWC (RH).

### AWD

1. Remove the joint shaft. (See **JOINT SHAFT REMOVAL/INSTALLATION [AWD]** .)
2. Remove the insulator. (See **STEERING GEAR AND LINKAGE REMOVAL/INSTALLATION** .)
3. Remove the No.1 engine mount (transaxle side). (See **ENGINE REMOVAL/INSTALLATION [MZI-3.7]** .)
4. Push up the engine.
5. Remove the WU-TWC (RH).

### EXHAUST MANIFOLD INSULATOR (LH) REMOVAL NOTE

1. Set the fan control module out of the way. (See **COOLING FAN COMPONENT REMOVAL/INSTALLATION [MZI-3.7]** .)
2. Remove the exhaust manifold Insulator (LH).

### WARM UP THREE WAY CATALYTIC CONVERTER (WU-TWC) (LH) INSTALLATION NOTE

1. Install the WU-TWC (LH) insulator.
2. Temporarily tighten WU-TWC (LH) bracket.
3. Temporarily tighten WU-TWC (LH) bracket (L type) (engine side).
4. Install the WU-TWC (LH).
5. Install the WU-TWC (LH) bracket.
6. Install the WU-TWC (LH) bracket (L type).

### WARM UP THREE WAY CATALYTIC CONVERTER (WU-TWC) (RH) INSTALLATION NOTE

### 2WD

1. Install the WU-TWC (RH) insulator.
2. Temporarily tighten WU-TWC (RH) bracket.
3. Temporarily tighten WU-TWC (RH) bracket (L type) (engine side).
4. Install the WU-TWC (RH).
5. Install the WU-TWC (RH) bracket.
6. Install the WU-TWC (RH) bracket (L type).

### AWD

1. Install the WU-TWC (RH) insulator.

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2. Temporarily tighten WU-TWC (RH) bracket.
3. Temporarily tighten WU-TWC (RH) bracket (L type) (engine side).
4. Push up the engine.
5. Install the WU-TWC (RH).
6. Install the No.1 engine mount (transaxle side). (See **ENGINE REMOVAL/INSTALLATION [MZI-3.7]** .)
7. Install the insulator. (See **STEERING GEAR AND LINKAGE REMOVAL/INSTALLATION** .)
8. Install the joint shaft. (See **JOINT SHAFT REMOVAL/INSTALLATION [AWD]** .)
9. Install the WU-TWC (RH) bracket.