

2005 Mazda MX-5 Miata

2005 ENGINE Exhaust System - MX-5 Miata

2005 ENGINE

Exhaust System - MX-5 Miata

EXHAUST SYSTEM INSPECTION [BP, BP WITH TC]

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

EXHAUST SYSTEM REMOVAL/INSTALLATION [BP]

WARNING:

- **Hot engines and the exhaust system can cause severe burns. Turn off the engine and wait until it and the exhaust system are cool before removing or installing the exhaust system.**

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

1. To install the exhaust manifold gasket, make sure that the convex side of the gasket is facing the exhaust manifold side.

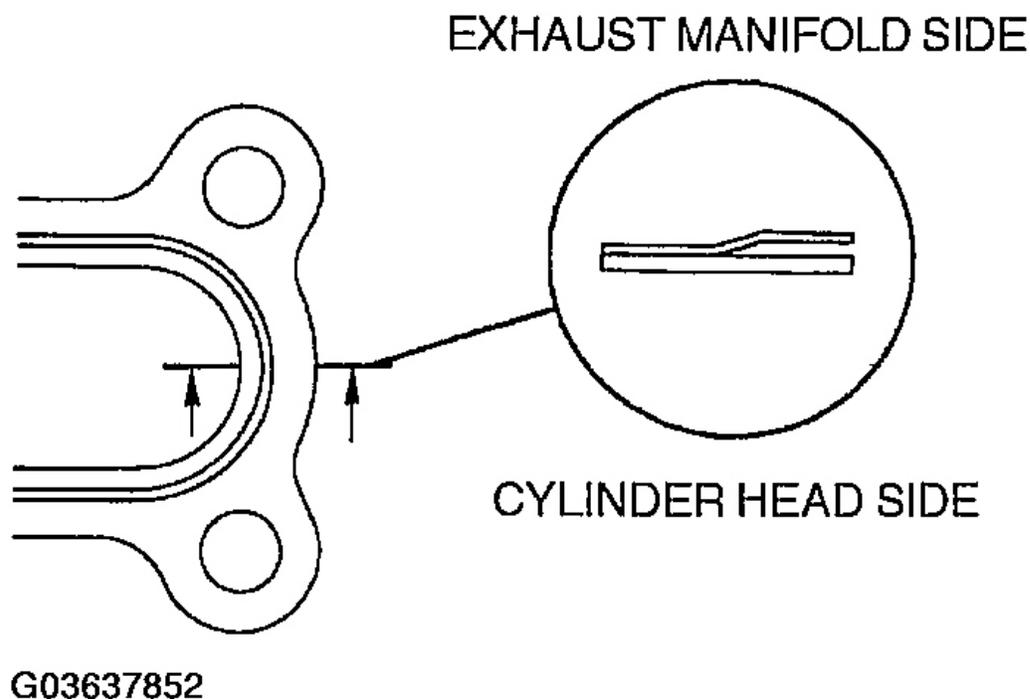


Fig. 2: Identifying Exhaust Manifold Side
Courtesy of MAZDA MOTORS CORP.

EXHAUST SYSTEM REMOVAL/INSTALLATION [BP WITH TC]

WARNING:

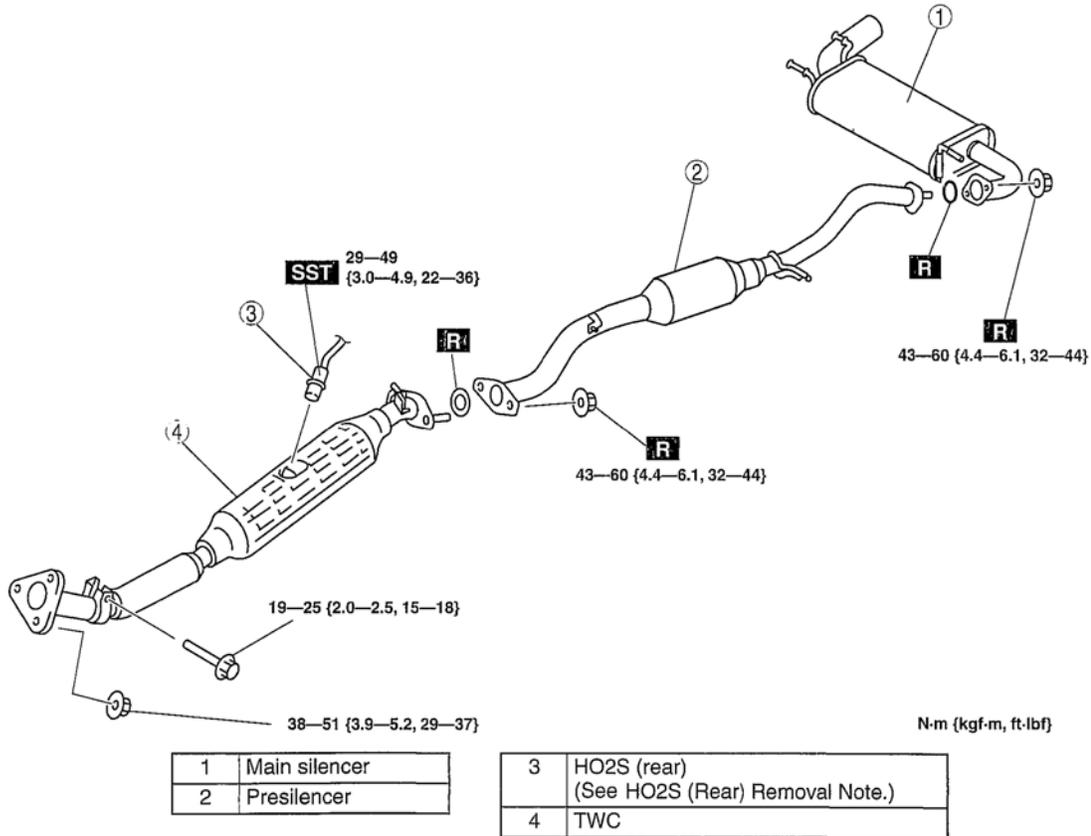
- A hot engine and exhaust system can cause severe burns. Turn off the engine and wait until all components they are cool before removing the exhaust system.

1. Disconnect the negative battery cable.
2. Remove the under cover.
3. Remove the air pipe No.2 and the air hose No.4. (See **INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [BP WITH TC]** .)
4. Drain the engine coolant. (See **ENGINE COOLANT REPLACEMENT** .)
5. Remove in the order indicated in the table.
6. Install in the reverse order of removal.

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STEP 1



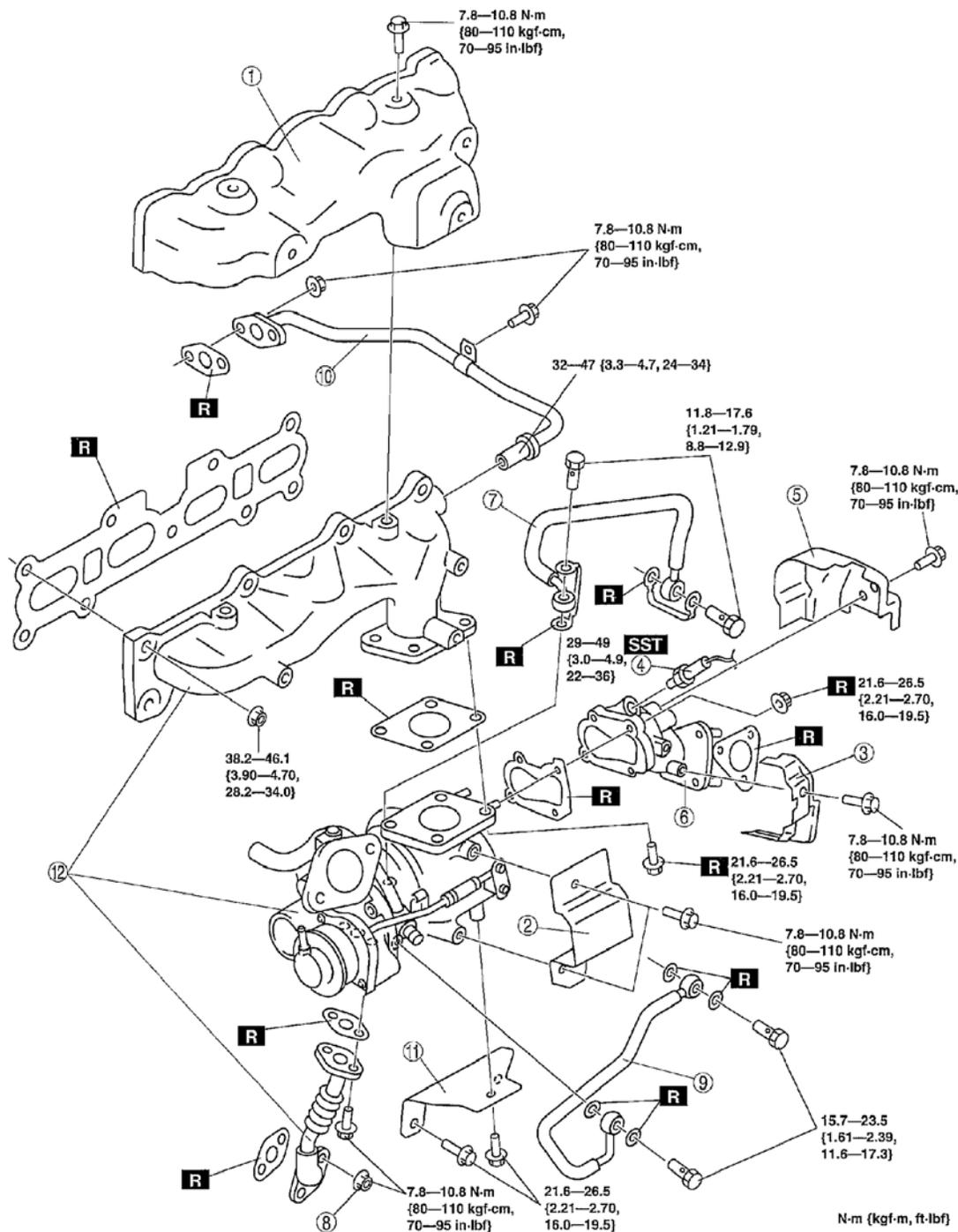
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Fig. 3: Identifying Components Of Exhaust System & Torque Specifications
 Courtesy of MAZDA MOTORS CORP.

STEP2

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1	Exhaust manifold insulator
2	Turbocharger insulator
3	Joint pipe insulator No.1
4	HO2S (front) (See HO2S (Front) Removal Note.)
5	Joint pipe insulator No.2
6	Joint pipe

7	Oil pipe (oil in)
8	Oil pipe (oil out) nuts
9	Engine coolant pipe (engine coolant out)
10	EGR pipe
11	Turbocharger bracket
12	Exhaust manifold, turbocharger, oil pipe (oil out)

Fig. 4: Identifying Components Of Exhaust System & Torque Specifications
Courtesy of MAZDA MOTORS CORP.

HO2S (REAR) REMOVAL NOTE

1. Disconnect the HO2S (rear) connector.
2. Install the SST .
3. Remove the HO2S (rear)

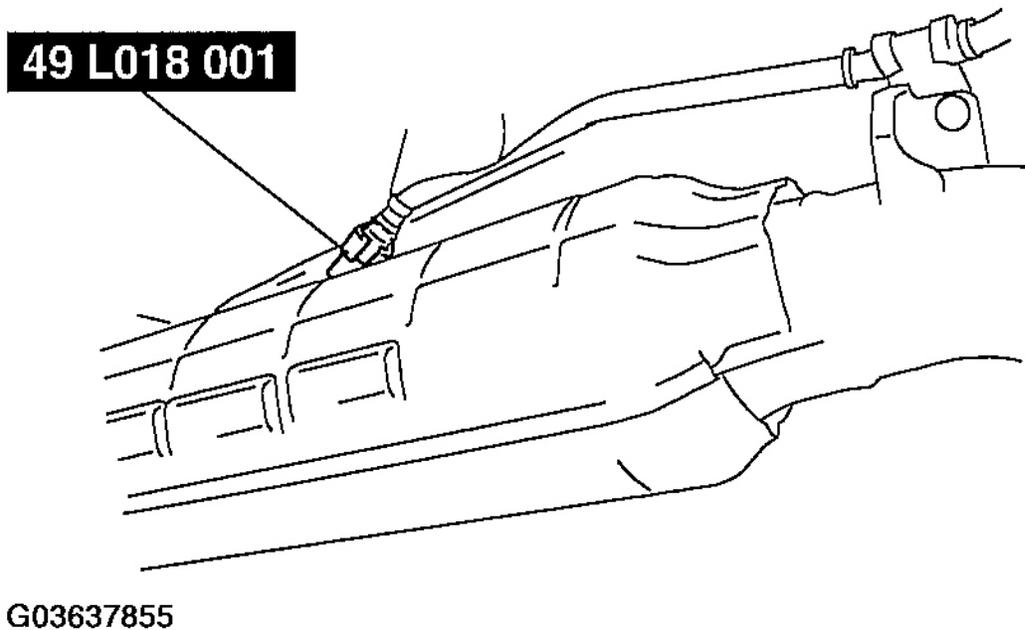


Fig. 5: Disconnecting HO2S (Rear) Connector
Courtesy of MAZDA MOTORS CORP.

HO2S (FRONT) REMOVAL NOTE

1. Remove the dipstick and pipe. (See **OIL PAN REMOVAL/INSTALLATION [BP WITH TC]** .)
2. Disconnect the HO2S (front) connector.
3. Install the SST .
4. Remove the HO2S (front).

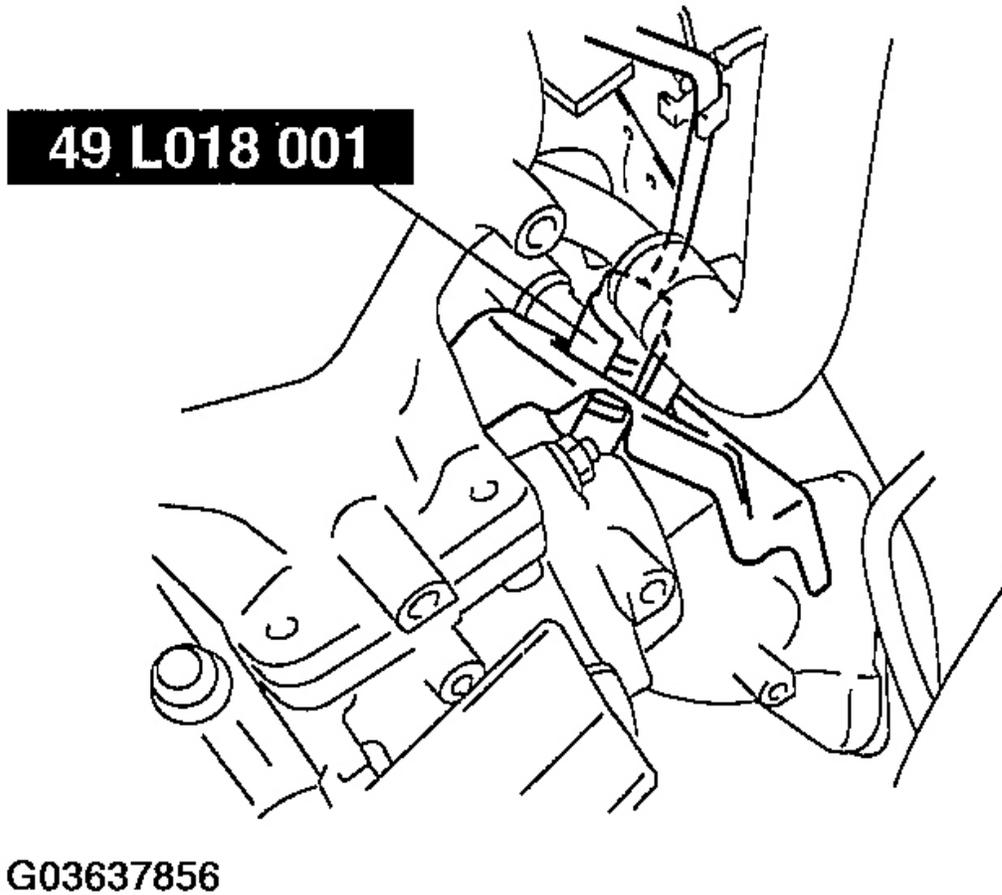


Fig. 6: Disconnecting HO2S (Front) Connector
Courtesy of MAZDA MOTORS CORP.