

2014 ENGINE

Exhaust System (LF) - MX-5 Miata

EXHAUST SYSTEM INSPECTION [LF]

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

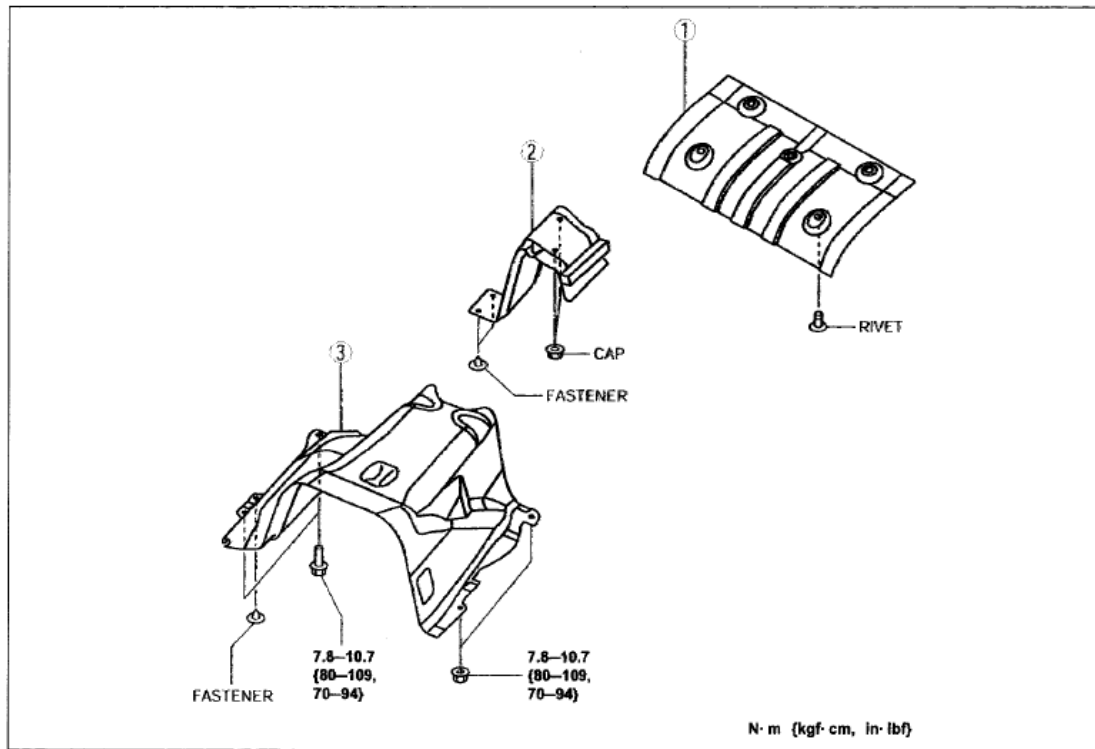
EXHAUST SYSTEM REMOVAL/INSTALLATION [LF]

WARNING: • **A hot engine and exhaust system can cause severe burns. Turn off the engine and wait until they are cool before servicing the exhaust system.**

1. Remove the battery cover. (See **BATTERY REMOVAL/INSTALLATION [LF]** .)
2. Disconnect the negative battery cable. (See **BATTERY REMOVAL/INSTALLATION [LF]** .)
3. Remove in the order indicated in **Fig. 1**.
4. Remove the exhaust system insulator. (See **EXHAUST SYSTEM INSULATOR REMOVAL/INSTALLATION NOTE**.)
5. Install in the reverse order of removal.

2014 Mazda MX-5 Miata Sport

2014 ENGINE Exhaust System (LF) - MX-5 Miata



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1	Insulator (rear) (See Insulator (Rear) Removal Note.)
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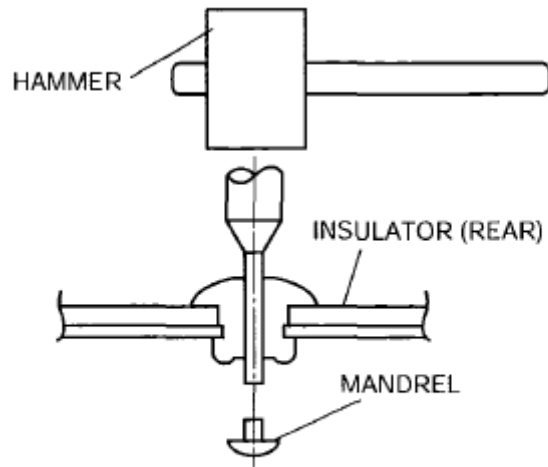
2	Insulator (middle)
3	Insulator (front)

Fig. 2: Exhaust System Insulator With Torque Specifications
Courtesy of MAZDA MOTORS CORP.

Insulator (Rear) Removal Note

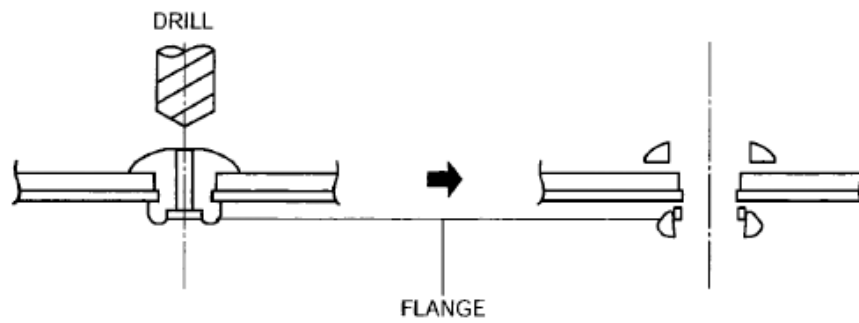
NOTE: • The insulator (rear) are installed using rivets.

1. Push out the mandrel using a hammer and punch (2-2.8 mm {0.08-0.11 in} diameter).
2. Remove the flange using a drill (5 mm {0.20 in} drill bit).



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Fig. 3: Pushing Out Mandrel
Courtesy of MAZDA MOTORS CORP.



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Fig. 4: Drilling Flange
Courtesy of MAZDA MOTORS CORP.

SEAL RING REMOVAL NOTE

1. Remove the seal ring using a flathead screwdriver being careful not to damage the pipe.

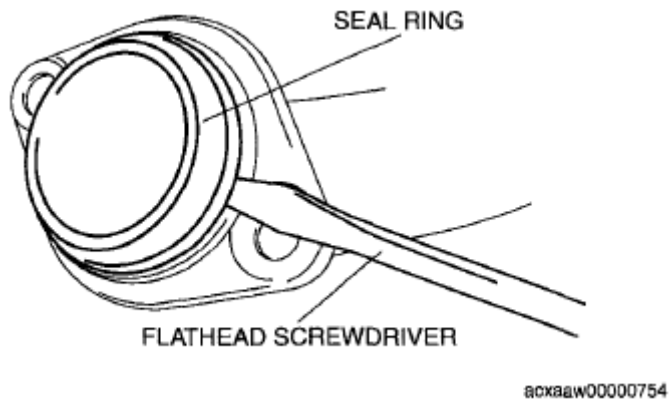


Fig. 5: Removing Seal Ring
Courtesy of MAZDA MOTORS CORP.

EXHAUST MANIFOLD INSULATOR (UPPER) REMOVAL NOTE

1. Remove the battery and battery tray. (See **BATTERY REMOVAL/INSTALLATION [LF]** .)
2. Remove the drive belt. (See **DRIVE BELT REPLACEMENT [LF]** .)
3. Remove the under cover. (See **TRANSVERSE MEMBER REMOVAL/INSTALLATION** .)
4. Remove the suspension tower bar (joint) and (right side). (See **FRONT SUSPENSION TOWER BAR REMOVAL/INSTALLATION** .)
5. Remove the generator. (See **GENERATOR REMOVAL/INSTALLATION [LF]** .)
6. Remove the insulator.

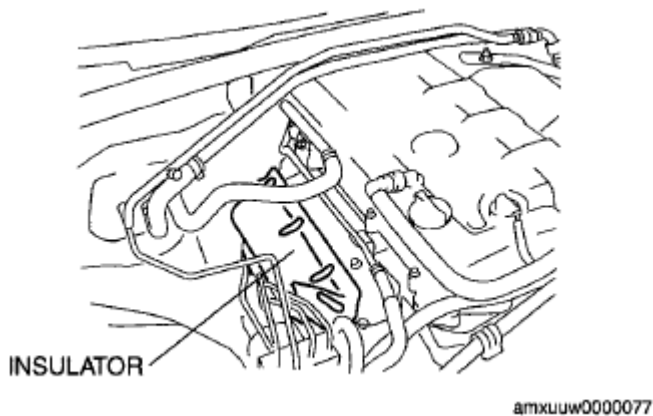
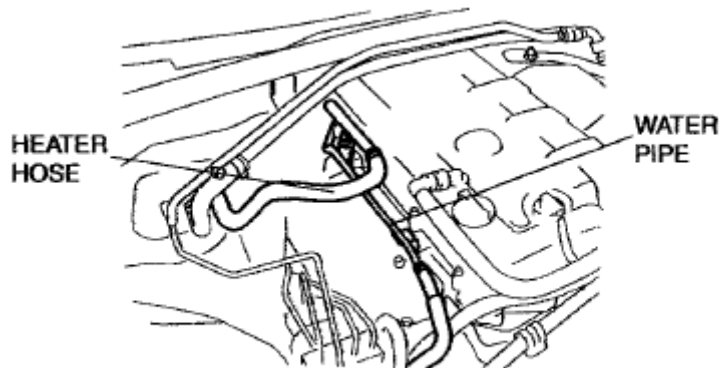


Fig. 6: Insulator
Courtesy of MAZDA MOTORS CORP.

EXHAUST MANIFOLD REMOVAL NOTE

1. Disconnect the A/F sensor connector and HO2S connector.
2. Move the water pipe and heater hose slightly out of the way.
3. Disconnect the ventilation hose from the cylinder head. (See **QUICK RELEASE CONNECTOR**

(EMISSION SYSTEM) REMOVAL/INSTALLATION [LF] .)



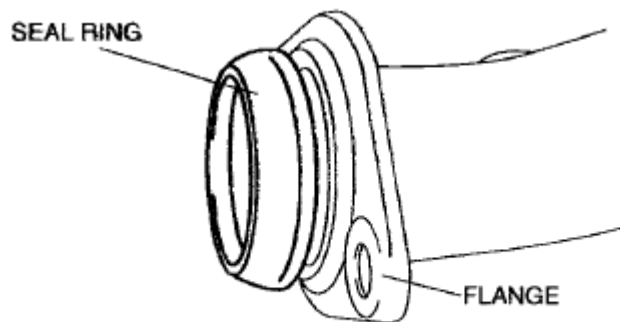
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Fig. 7: Water Pipe And Heater Hose
Courtesy of MAZDA MOTORS CORP.

SEAL RING INSTALLATION NOTE

- CAUTION:**
- If installation is performed without using the SST, the seal ring will be damaged and deformed, resulting in an incorrect installation. Always use the SST to install the seal ring.

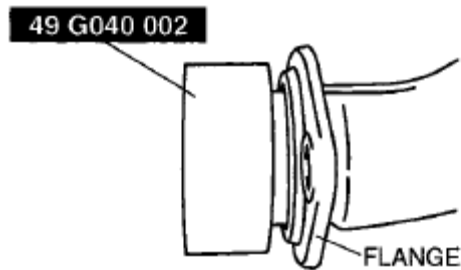
1. Temporarily install the seal ring to the pipe so that the seal ring is even with the flange.



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Fig. 8: Seal Ring And Flange
Courtesy of MAZDA MOTORS CORP.

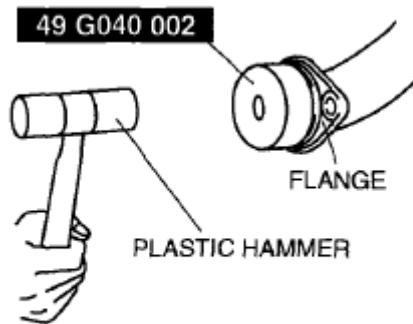
2. Install the SST to the seal ring so that the SST is even with the flange.



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Fig. 9: Installing SST To Seal Ring
Courtesy of MAZDA MOTORS CORP.

3. Press in the seal ring by tapping the SST using a plastic hammer until the seal ring contacts the flange.

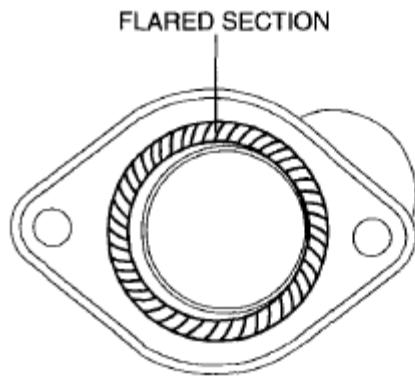


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Fig. 10: Pressing Seal Ring
Courtesy of MAZDA MOTORS CORP.

MIDDLE PIPE INSTALLATION NOTE

1. Spray carbon remover (TB6601 or equivalent) on the flared section of the middle pipe.
2. Remove the carbon adhering to the flared section shown in illustration using a nylon brush or sandpaper (No. 400 or equivalent).



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Fig. 11: Flared Section
Courtesy of MAZDA MOTORS CORP.