

SECTION

EX

EX

EXHAUST SYSTEM

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PRECAUTION

PRECAUTIONS

Precautions for Removing Battery Terminal

INFOID:0000000010769748

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

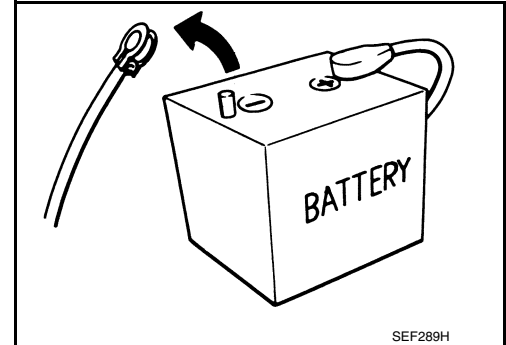
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



SEF289H

Removal and Installation

INFOID:0000000010578271

CAUTION:

- Be sure to use genuine exhaust system parts or equivalents which are specially designed for heat resistance, corrosion resistance, and shape.
- Perform the operation with the exhaust system fully cooled down because the system will be hot just after engine stops.
- Be careful not to cut your hand on the heat insulator edge.

PREPARATION

< PREPARATION >

[VQ37VHR]

PREPARATION

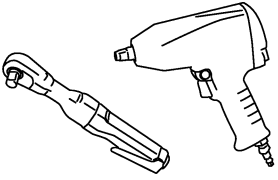
PREPARATION

Commercial Service Tool

INFOID:0000000010578272

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Tool name	Description
Power tool	Loosening bolts and nuts
 PBIC0190E	

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PERIODIC MAINTENANCE

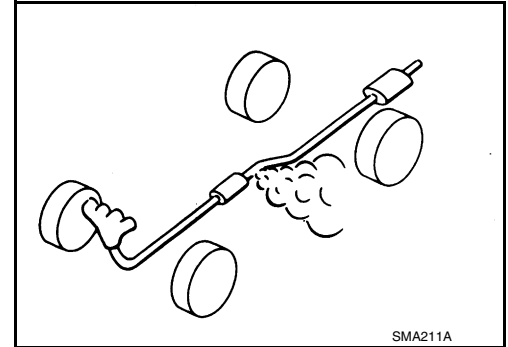
EXHAUST SYSTEM

Inspection

INFOID:0000000010578273

Check exhaust pipes, muffler and mounting for improper attachment, leakage, cracks, damage or deterioration.

- If damage is found, repair or replace damaged parts.



EXHAUST SYSTEM

< REMOVAL AND INSTALLATION >

[VQ37VHR]

REMOVAL AND INSTALLATION

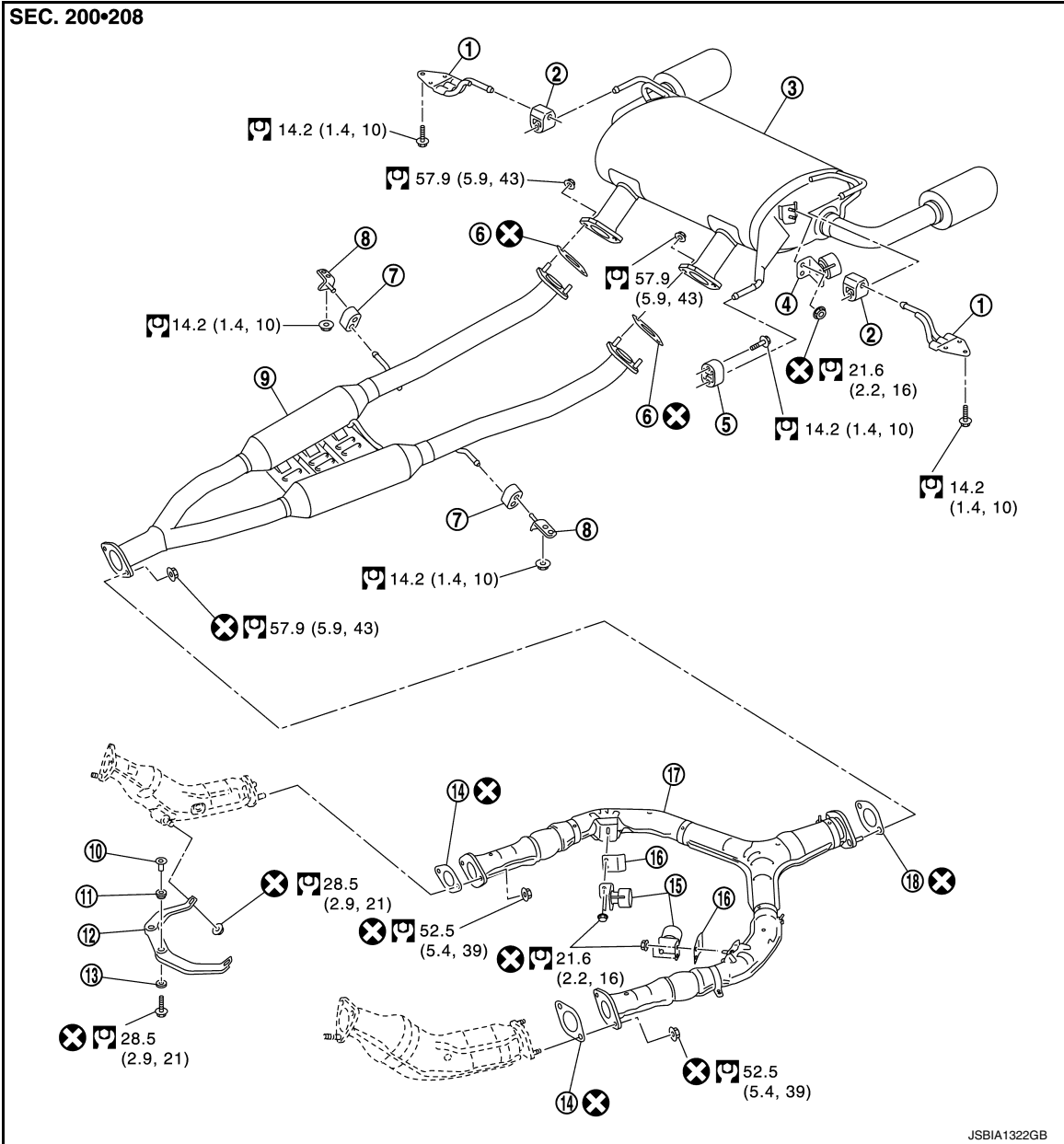
EXHAUST SYSTEM

Exploded View

INFOID:0000000010578274

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Removal and Installation

INFOID:0000000010578275

REMOVAL

Revision: 2015 February

EX-5

2015 QX70

EXHAUST SYSTEM

< REMOVAL AND INSTALLATION >

[VQ37VHR]

- Disconnect each joint and mounting using power tool.
- Remove heated oxygen sensor 2, if necessary. Refer to [EM-36, "Exploded View"](#).

INSTALLATION

Note the following items, and install in the reverse order of removal.

- Check for deformation of the grommets (No. 11 and 13 of Components).
- Insert the collar (No. 10 of Components) vertically.
- Temporarily tighten bolts and nuts when installing exhaust pipe assembly. Tighten them to the specified torque when connecting the vehicle rear to the vehicle front.

CAUTION:

- **Always replace exhaust tube gaskets with new ones when reassembling.**
- **Prevent rust preventives from adhering to the sensor body.**
- **If heat insulator is badly deformed, repair or replace it. If deposits such as mud pile up on the heat insulator, remove them.**
- **When installing heat insulator avoid large gaps or interference between heat insulator and each exhaust pipe.**
- **Remove deposits from the sealing surface of each connection. Connect them securely to avoid gases leakage.**
- **Check each part for unusual interference, and then tighten them to the specified torque.**
- **When installing each mounting rubber, avoid twisting or unusual extension in up/down and right/left directions.**

Inspection

INFOID:0000000010578276

INSPECTION AFTER INSTALLATION

- Check clearance between tail tube and rear bumper is even.
- With engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and mounting rubbers are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

PRECAUTION

PRECAUTIONS

Precautions for Removing Battery Terminal

INFOID:0000000010769749

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

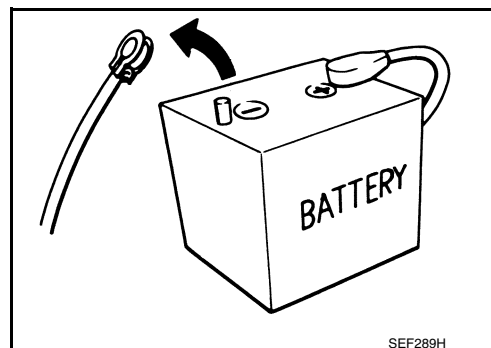
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



Removal and Installation

INFOID:0000000010578277

CAUTION:

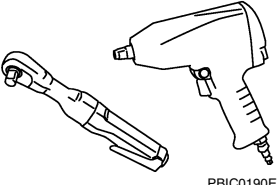
- Be sure to use genuine exhaust system parts or equivalents which are specially designed for heat resistance, corrosion resistance, and shape.
- Perform the operation with the exhaust system fully cooled down because the system will be hot just after engine stops.
- Be careful not to cut your hand on the heat insulator edge.

PREPARATION

PREPARATION

Commercial Service Tool

INFOID:0000000010578278

Tool name	Description
Power tool  PBIC0190E	Loosening bolts and nuts

PERIODIC MAINTENANCE

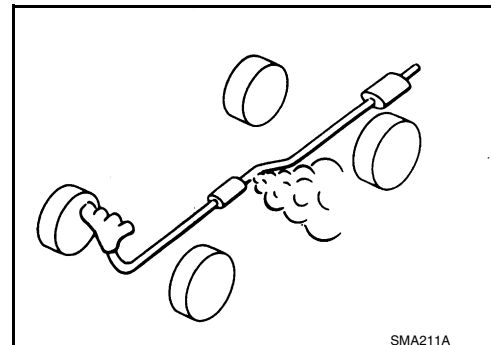
EXHAUST SYSTEM

Inspection

Check exhaust pipes, muffler and mounting for improper attachment, leakage, cracks, damage or deterioration.

- If damage is found, repair or replace damaged parts.

INFOID:0000000010578279



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EXHAUST SYSTEM

< REMOVAL AND INSTALLATION >

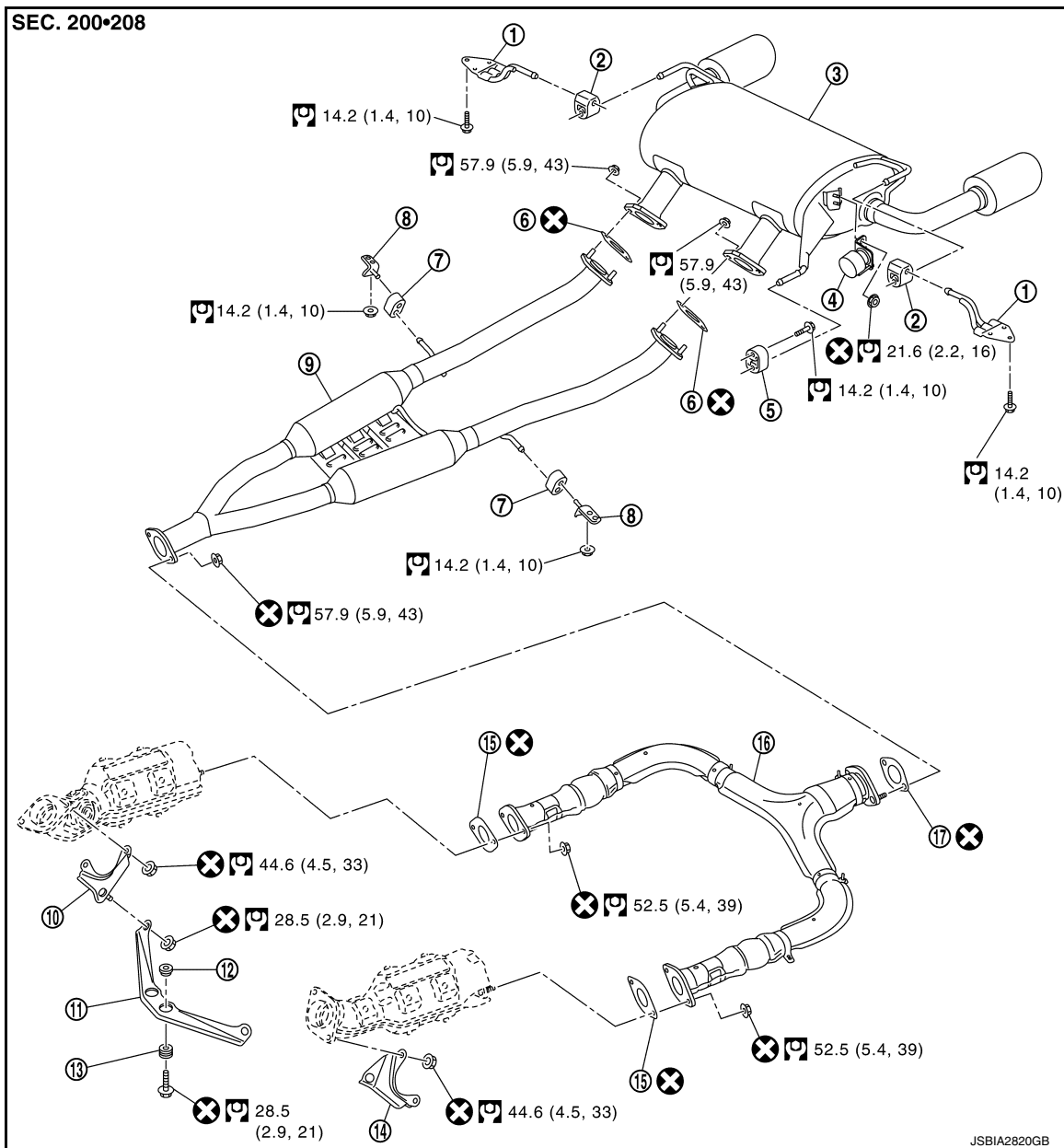
[VK50VE]

REMOVAL AND INSTALLATION

EXHAUST SYSTEM

Exploded View

INFOID:0000000010578280



- | | | |
|-----------------------------------|-----------------------------------|-------------------|
| 1. Mounting bracket | 2. Mounting rubber | 3. Main muffler |
| 4. Dynamic damper | 5. Mounting rubber | 6. Gasket |
| 7. Mounting rubber | 8. Mounting bracket | 9. Center muffler |
| 10. Exhaust mounting bracket (RH) | 11. Exhaust mounting bracket | 12. Collar |
| 13. Grommet | 14. Exhaust mounting bracket (LH) | 15. Gasket |
| 16. Exhaust front tube | 17. Gasket | |

Refer to [GI-4. "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:0000000010578281

REMOVAL

EXHAUST SYSTEM

< REMOVAL AND INSTALLATION >

[VK50VE]

- Disconnect each joint and mounting using power tool.
- Remove heated oxygen sensor 2, if necessary. Refer to [EM-216. "Exploded View"](#).

INSTALLATION

Note the following items, and install in the reverse order of removal.

- Check for deformation of the grommets (No. 13 of Components).
- Insert the collar (No. 12 of Components) vertically.
- Temporarily tighten bolts and nuts when installing exhaust pipe assembly. Tighten them to the specified torque when connecting the vehicle rear to the vehicle front.

CAUTION:

- **Always replace exhaust tube gaskets with new ones when reassembling.**
- **Prevent rust preventives from adhering to the sensor body.**
- **If heat insulator is badly deformed, repair or replace it. If deposits such as mud pile up on the heat insulator, remove them.**
- **When installing heat insulator avoid large gaps or interference between heat insulator and each exhaust pipe.**
- **Remove deposits from the sealing surface of each connection. Connect them securely to avoid gases leakage.**
- **Check each part for unusual interference, and then tighten them to the specified torque.**
- **When installing each mounting rubber, avoid twisting or unusual extension in up/down and right/left directions.**

Inspection

INFOID:0000000010578282

INSPECTION AFTER INSTALLATION

- Check clearance between tail tube and rear bumper is even.
- With engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and mounting rubbers are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.