

SECTION **EX**
EXHAUST SYSTEM



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PRECAUTION

PRECAUTIONS

Precautions For High-Voltage System

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Refer to [GI-24, "Precautions For High-Voltage System"](#).

PREPARATION

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[QR25DE]

PREPARATION

PREPARATION

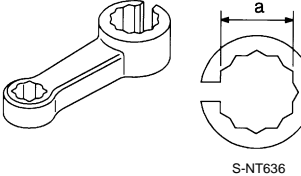
Special Service Tool

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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
KV10114400 (J-38365) Heated oxygen sensor wrench 	Loosening or tightening heated oxygen sensors: a: 22 mm (0.87 in)

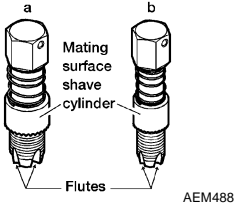

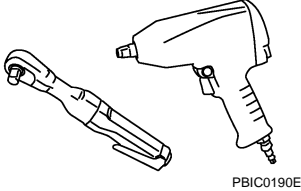
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Commercial Service Tool

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(Kent-Moore No.) Tool name	Description
(J-43897-18) (J-43897-12) Oxygen sensor thread cleaner 	Reconditioning the exhaust system threads before installing a new oxygen sensor (Use with anti-seize lubricant shown below): a: J-43897-18 (18 mm dia.) for zirconia oxygen sensor b: J-43897-12 (12 mm dia.) for titania oxygen sensor
Anti-seize lubricant (Permatex 133AR or equivalent meeting MIL specification MIL-A-907) 	Lubricating oxygen sensor thread cleaning tool when reconditioning exhaust system threads
Power tool 	Loosening nuts and bolts

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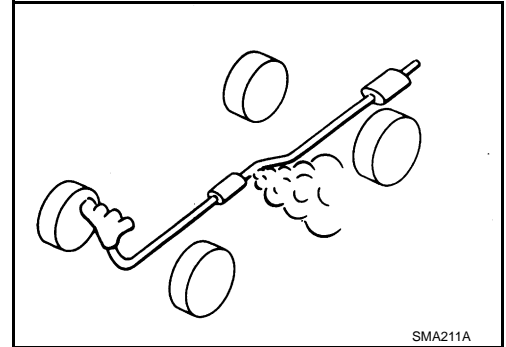
ON-VEHICLE MAINTENANCE

EXHAUST SYSTEM (QR25DE)

Checking Exhaust System

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Check the exhaust pipes, muffler, and mounting components for incorrect attachment, leaks, cracks, damage, or deterioration.



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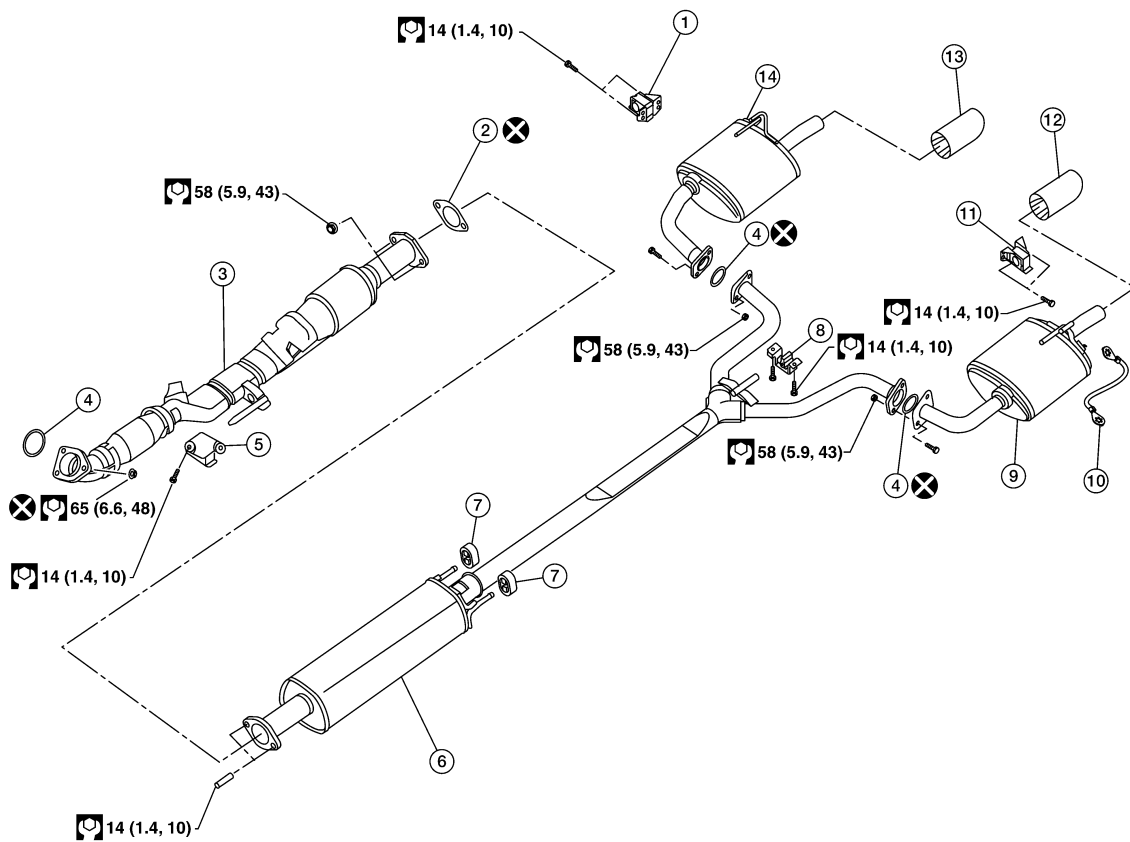
ON-VEHICLE REPAIR

EXHAUST SYSTEM (QR25DE)

Removal and Installation

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|----------------------------|-------------------------------|------------------------|
| 1. RH rear muffler bracket | 2. Gasket | 3. Front exhaust tube |
| 4. Ring gasket | 5. Front exhaust tube hanger | 6. Center exhaust tube |
| 7. Mounting rubber | 8. Center exhaust tube hanger | 9. LH rear muffler |
| 10. Ground strap | 11. LH rear muffler bracket | 12. LH muffler tip |
| 13. RH muffler tip | 14. RH rear muffler | |

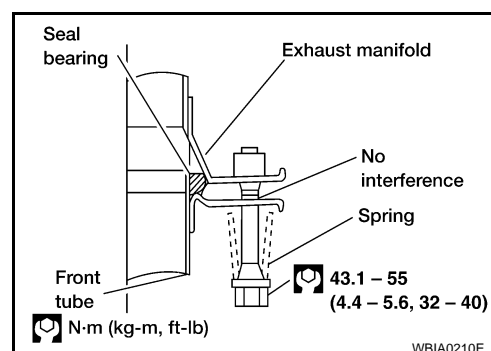
EXHAUST SYSTEM (QR25DE)

< ON-VEHICLE REPAIR >

[QR25DE]

CAUTION:

- Use genuine NISSAN exhaust system parts or equivalent, which are specifically designed for heat resistance, corrosion resistance, and shape.
- Perform the procedure with the exhaust system fully cooled down because the system will be hot just after the Hybrid System is turned OFF.
- Be careful not to cut your hand on the insulator edges.
- If the insulator is badly deformed, repair or replace it. If deposits such as mud pile up on the insulator, clean and inspect the insulator.
- When installing the insulator avoid large gaps or interference between the insulator and each exhaust pipe.
- Remove deposits from the sealing surface of each connection. Connect them securely to avoid exhaust gas leaks.
- Temporarily tighten the exhaust manifold side nuts and the vehicle side bolts. Check each part for any interference, and then tighten the nuts and bolts to specification.
- When installing each mounting rubber, avoid twisting or excessive extension in up/down and right/left directions.
- Tighten the bolts without causing interference with the flange.
- Insert the seal bearing in the direction as shown. Tighten the bolt with the big end of the spring facing the flange as shown.



Inspection After Installation

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- With the Hybrid System ON and the engine running, check the exhaust tube joints for exhaust gas leaks and abnormal noise.
- Check that the mounting brackets and mounting insulators are installed properly and free from excessive stress. Improper installation could result in excessive noise, leaks, and vibration.