

SECTION **EX**
EXHAUST SYSTEM

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000004237168

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

Precautions Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:000000004394027

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

This vehicle is equipped with a push-button ignition switch and a steering lock unit.

If the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

2. Carry the Intelligent Key or insert it to the key slot and turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.
5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT-III.

PREPARATION

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PREPARATION

PREPARATION

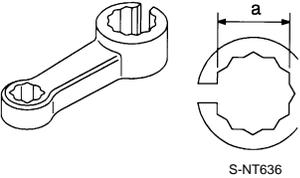
Special Service Tool

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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 <div style="text-align: center;">  <p>S-NT636</p> </div>	Loosening or tightening heated oxygen sensors: a: 22 mm (0.87 in)

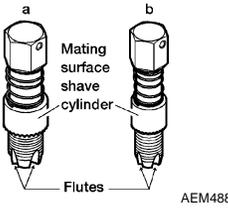
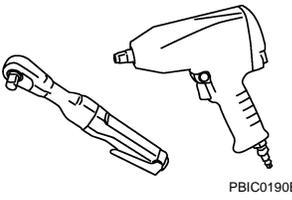
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Commercial Service Tool

INFOID:000000004237170

(Kent-Moore No.) Tool name	Description
(J-43897-18) (J-43897-12) Oxygen sensor thread cleaner <div style="text-align: center;">  <p>AEM488</p> </div>	Reconditioning the exhaust system threads before installing a new oxygen sensor (Use with anti-seize lubricant shown below): a: J-43897-18 (18 mm, 0.47 in) dia. for zirconia oxygen sensor b: J-43897-12 (12 mm, 0.47 in) dia. for titania oxygen sensor
Anti-seize lubricant (Permatex 133AR or equivalent meeting MIL specification MIL-A-907) <div style="text-align: center;">  <p>AEM489</p> </div>	Lubricating oxygen sensor thread cleaning tool when reconditioning exhaust system threads
Power tool <div style="text-align: center;">  <p>PBIC0190E</p> </div>	Loosening nuts and bolts

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EXHAUST SYSTEM

< ON-VEHICLE MAINTENANCE >

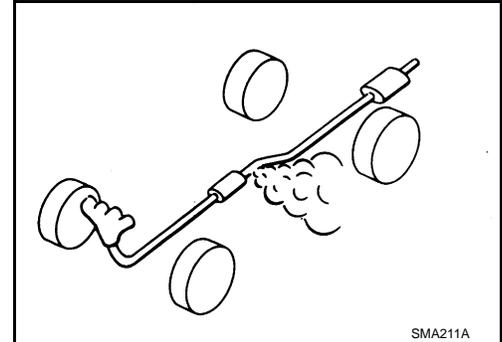
ON-VEHICLE MAINTENANCE

EXHAUST SYSTEM

Checking Exhaust System

INFOID:000000004237171

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



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EXHAUST SYSTEM

< ON-VEHICLE REPAIR >

ON-VEHICLE REPAIR

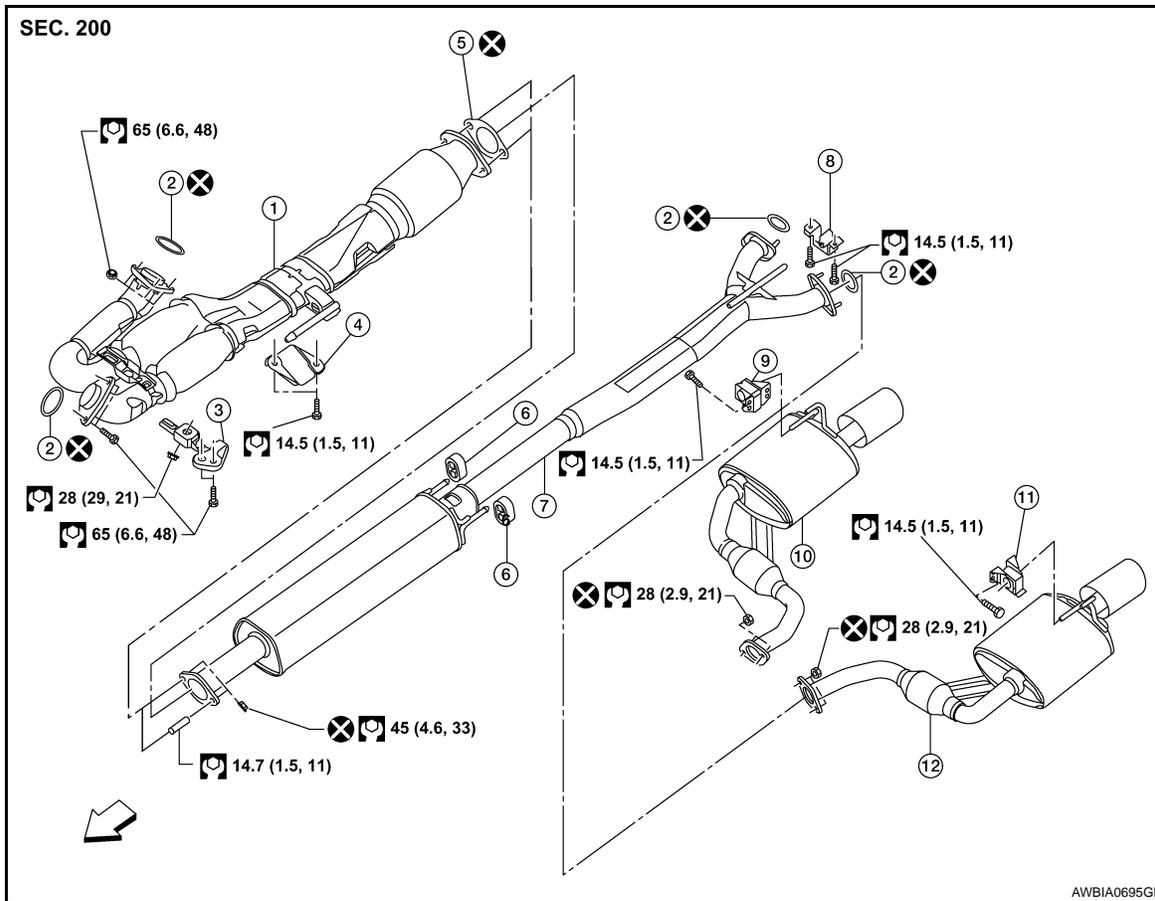
EXHAUST SYSTEM

Exploded View

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

← Front

Removal and Installation

INFOID:000000004237172

WARNING:

- Perform the procedures with the exhaust system fully cooled down to avoid injury from the hot exhaust system.
- Be careful not to cut your hand on the insulator edge.

CAUTION:

Use genuine NISSAN exhaust system parts or equivalent, which are specifically designed for heat resistance, corrosion resistance, and shape.

REMOVAL

- Remove exhaust system components using power tool.
- When removing center exhaust tube, remove tunnel stay bracket.

Tool number :KV10114400 (J-38365)

INSTALLATION

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EXHAUST SYSTEM

< ON-VEHICLE REPAIR >

Installation is in the reverse order of removal.

CAUTION:

- Always replace exhaust gaskets with new ones when reassembling.
- Before installing a new oxygen sensor, clean the exhaust tube threads using Oxygen Sensor Thread Cleaner tool J-43897-18 or J-43897-12 and approved anti-seize lubricant.
- Discard any heated oxygen sensor which has been dropped from a height of more than 0.5 m (19.7 in) onto a hard surface such as a concrete floor; install a new one.
- Do not over-tighten the oxygen sensor. Doing so may damage the oxygen sensor, resulting in the MIL coming on.
- If any insulator is badly deformed, repair or replace it. If deposits such as mud pile up on the insulator, clean and inspect them.
- Temporarily tighten the nuts on the exhaust manifold side and the bolts on the vehicle side. Check each part for interference with other components, and then tighten the nuts and bolts to specification.

INSPECTION AFTER INSTALLATION

- With the engine running, check the exhaust tube joints for exhaust gas leaks and unusual noises.
- 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.