

SECTION **EX** EXHAUST SYSTEM

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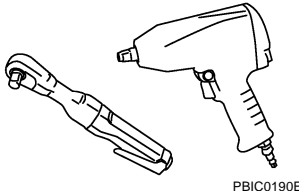
PREPARATION

PREPARATION

PFP:00002

Commercial Service Tools

ABS005Z4

Tool name	Description
Power tool  PBIC0190E	Loosening nuts and bolts

EXHAUST SYSTEM

EXHAUST SYSTEM

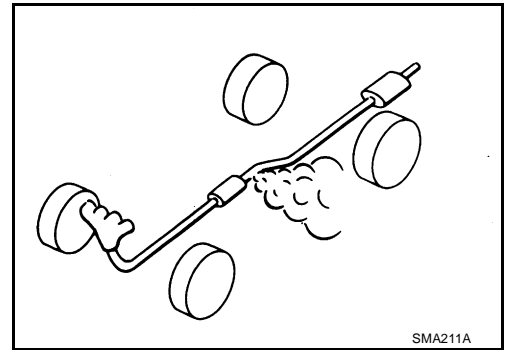
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Checking Exhaust System

ABS005Z5

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

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



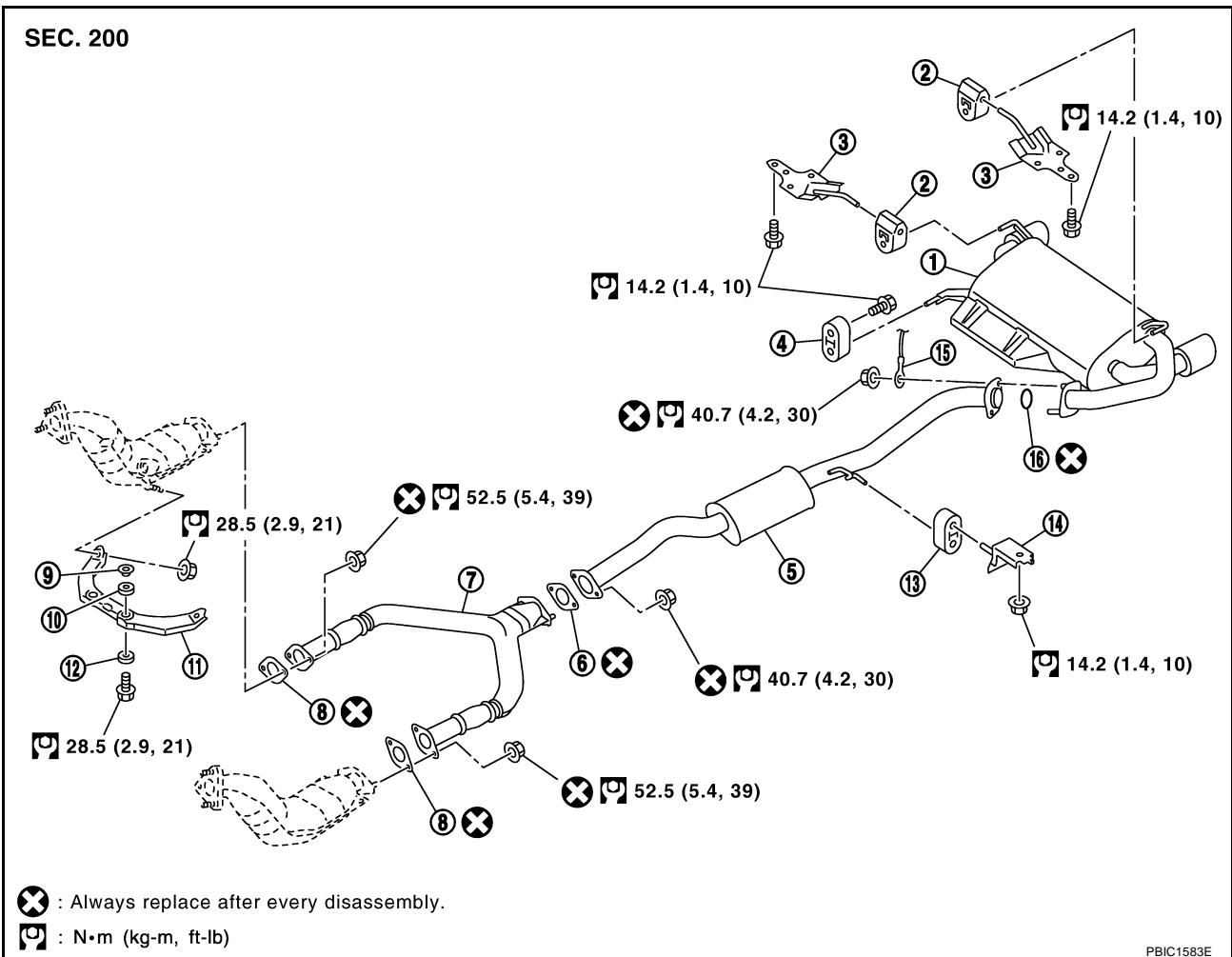
Removal and Installation

ABS005Z6

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.

VQ35DE

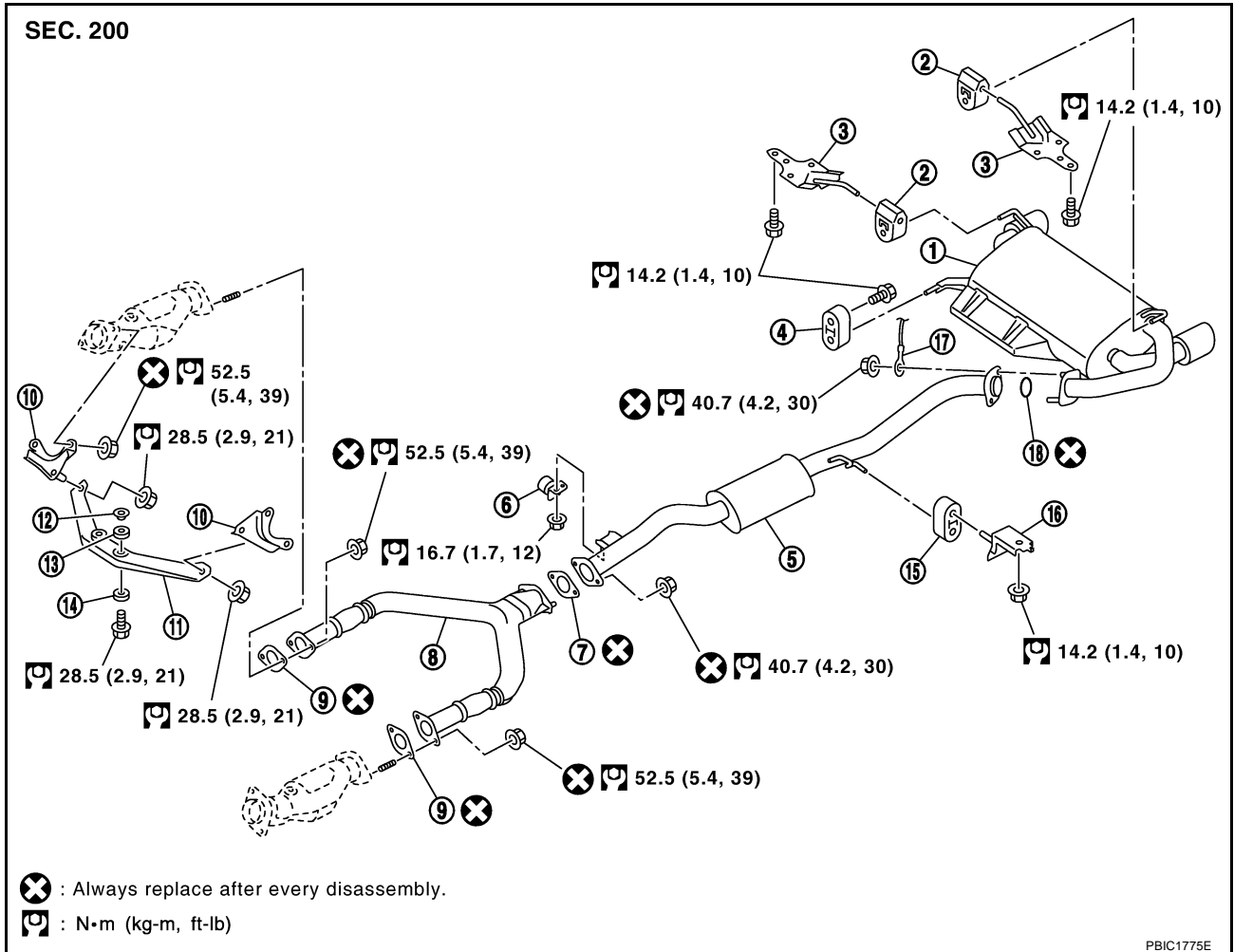


- | | | |
|-----------------------|--------------------|----------------------------------|
| 1. Main muffler | 2. Mounting rubber | 3. Main muffler mounting bracket |
| 4. Mounting rubber | 5. Center muffler | 6. Gasket |
| 7. Exhaust front tube | 8. Gasket | 9. Collar |

EXHAUST SYSTEM

- | | | |
|---------------------|------------------------------|------------------|
| 10. Grommet | 11. Exhaust mounting bracket | 12. Grommet |
| 13. Mounting rubber | 14. Bracket | 15. Ground cable |
| 16. Ring gasket | | |

VK45DE



PBIC1775E

- | | | |
|----------------------|------------------------------|----------------------------------|
| 1. Main muffler | 2. Mounting rubber | 3. Main muffler mounting bracket |
| 4. Mounting rubber | 5. Center muffler | 6. Dynamic damper |
| 7. Gasket | 8. Exhaust front tube | 9. Gasket |
| 10. Mounting bracket | 11. Exhaust mounting bracket | 12. Collar |
| 13. Grommet | 14. Grommet | 15. Mounting rubber |
| 16. Bracket | 17. Ground cable | 18. Ring gasket |

REMOVAL

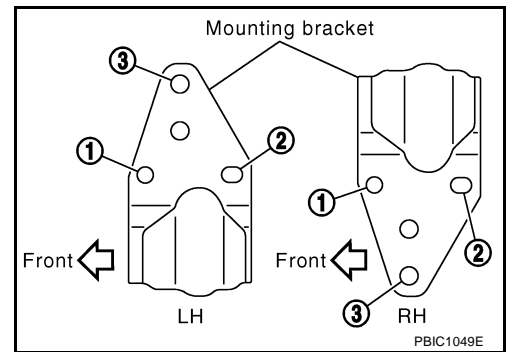
- Disconnect each joint and mounting using power tool.
- When removing main muffler, remove main muffler mounting bracket bolts.
- Remove exhaust mounting bracket as follows:
 1. Remove engine rear undercover.
 2. Remove front cross bar. [FSU-6, "FRONT SUSPENSION ASSEMBLY"](#).
 3. Remove exhaust mounting bracket.

INSTALLATION

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

EXHAUST SYSTEM

- Tighten main muffler mounting bracket bolts in numerical order as shown in the figure.



CAUTION:

- Always replace exhaust tube gaskets with new ones when reassembling.
- 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.
- Temporarily tighten mounting nuts on the exhaust manifold side and mounting bolts on the vehicle side. 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 AFTER INSTALLATION

- Make sure clearance between tail tube and 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.

EXHAUST SYSTEM
