

EXHAUST SYSTEM

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PFP:20100

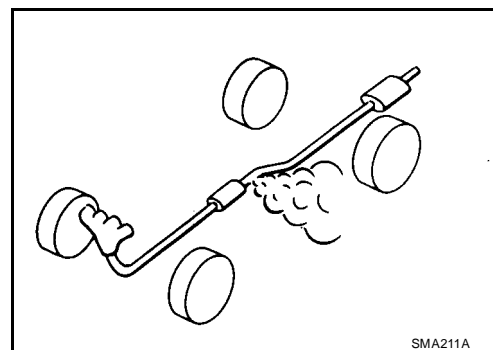
Checking Exhaust System

To ESM

EBS00AZ6

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

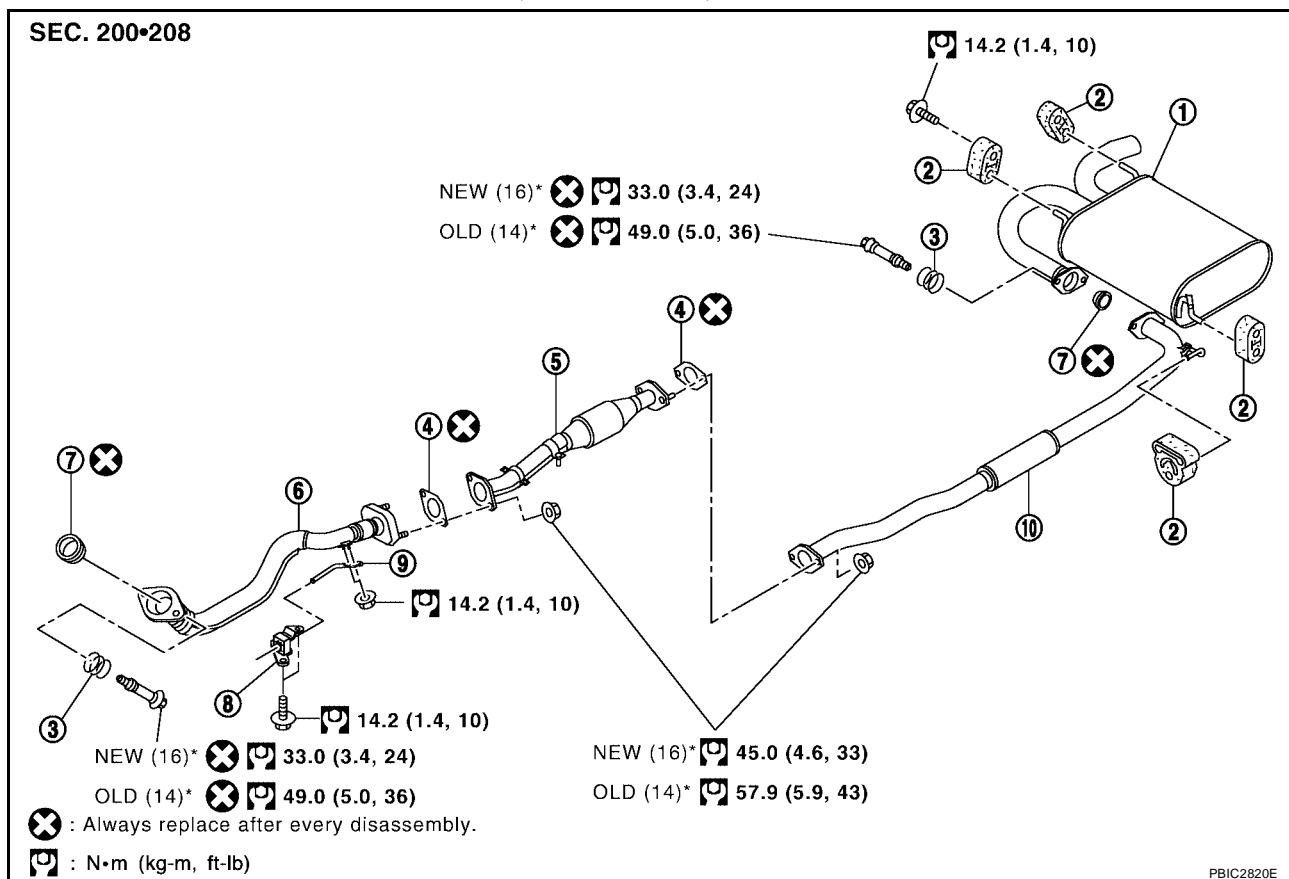
To ESM

FRS003DN

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 insulator edge.

QR20DE and QR25DE

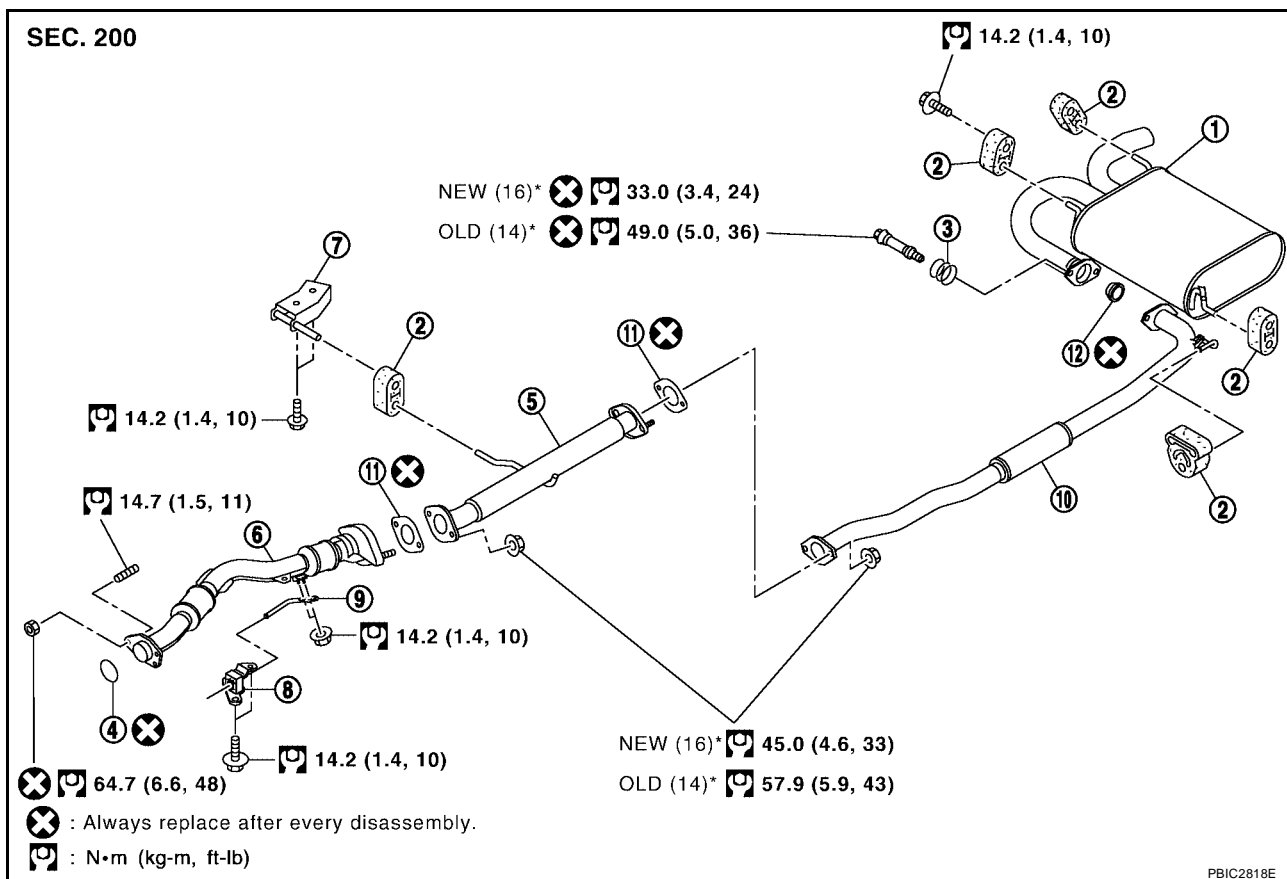


EXHAUST SYSTEM

*: In regard to the notation of torque in the figure, "NEW" shows an ISO standard, "OLD" shows a conventional standard, and the measurements of hexagonal width across flats are in parentheses.

- | | | |
|-------------------------|----------------------------|-----------------------|
| 1. Main muffler | 2. Mounting rubber | 3. Spring |
| 4. Gasket | 5. Three way catalyst | 6. Exhaust front tube |
| 7. Seal bearing | 8. Mounting rubber bracket | 9. Mounting bracket |
| 10. Exhaust center tube | | |

YD22DDTi



*: In regard to the notation of torque in the figure, "NEW" shows an ISO standard, "OLD" shows a conventional standard, and the measurements of hexagonal width across flats are in parentheses.

- | | | |
|-------------------------|----------------------------|-----------------------|
| 1. Main muffler | 2. Mounting rubber | 3. Spring |
| 4. Ring gasket | 5. Exhaust tube | 6. Exhaust front tube |
| 7. Exhaust bracket | 8. Mounting rubber bracket | 9. Mounting bracket |
| 10. Exhaust center tube | 11. Gasket | 12. Seal bearing |

REMOVAL

Separate each connection as necessity.

INSTALLATION

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

CAUTION:

- Always replace exhaust gaskets and seal bearings with new ones when reassembling.
- If insulator is badly deformed, repair or replace it. If deposits such as mud pile up on insulator, remove them.
- When installing insulator avoid large gaps or interference between insulator and each exhaust pipe.
- Remove deposits from the sealing surface of each connection. Connect them securely to avoid gas leakage.

SERVICE DATA AND SPECIFICATIONS (SDS)

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PDF:00030

Tightening Torque QR20DE AND QR25DE

To ESM

EBS00KP4

Unit: N·m (kg-m, ft-lb)

Exhaust system connections		
Exhaust manifold three way catalyst assembly to exhaust front tube	Conventional bolt	49.0 (5.0, 36)
	ISO bolt	33.0 (3.4, 24)
Exhaust front tube to three way catalyst	Conventional bolt	57.9 (5.9, 43)
	ISO bolt	45.0 (4.6, 33)
Three way catalyst to exhaust center tube	Conventional bolt	57.9 (5.9, 43)
	ISO bolt	45.0 (4.6, 33)
Exhaust center tube to main muffler	Conventional bolt	49.0 (5.0, 36)
	ISO bolt	33.0 (3.4, 24)
Mounting bolts and nuts		14.2 (1.4, 10)

YD22DDTI

Unit: N·m (kg-m, ft-lb)

Exhaust system connections		
Catalyst rear diffuser to exhaust front tube		64.7 (6.6, 48)
Exhaust front tube to exhaust tube	Conventional bolt	57.9 (5.9, 43)
	ISO bolt	45.0 (4.6, 33)
Exhaust tube to exhaust center tube	Conventional bolt	57.9 (5.9, 43)
	ISO bolt	45.0 (4.6, 33)
Exhaust center tube to main muffler	Conventional bolt	49.0 (5.0, 36)
	ISO bolt	33.0 (3.4, 24)
Mounting bolts and nuts		14.2 (1.4, 10)