

SECTION **EX**  
EXHAUST SYSTEM

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# PREPARATION

## PREPARATION

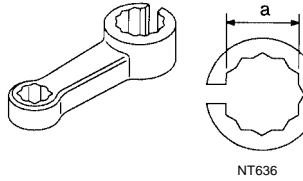
PFP:00002

### Special Service Tool

EBS00HZJ

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

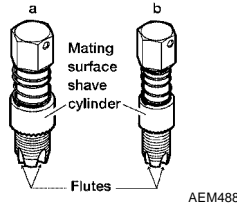
Tool number (Kent-Moore No.) Tool name	Description
KV10114400 (J38365) Heated oxygen sensor wrench	Loosening or tightening rear heated oxygen sensor. <b>a: 22 mm (0.87 in)</b>



### Commercial Service Tool

EBS00HZK

Tool name (Kent-Moore No.)	Description
Oxygen sensor thread cleaner (J-43897-18) (J-43897-12)	Reconditioning the exhaust system threads before installing a new oxygen sensor. Use with anti-seize lubricant shown in Commercial Service Tools. <b>a: J-43897-18 18 mm diameter, for Zirconia Oxygen Sensor</b> <b>b: J-43897-12 12 mm diameter, for Titania Oxygen Sensor</b>
Anti-seize lubricant (Permatex™ 133AR or equivalent meeting MIL specification MIL-A-907)	Lubricating oxygen sensor thread cleaning tool when reconditioning exhaust system threads.



# EXHAUST SYSTEM

## EXHAUST SYSTEM

PFP:20100

### Removal and Installation

EBS00HZL

A

#### CAUTION:

- Always replace exhaust gaskets with new ones when reassembling.
- With the engine running, check all of the tube connections for exhaust gas leaks, and the entire system for unusual noises.
- Check to ensure that mounting brackets and mounting insulators are installed properly and free from undue stress. Improper installation could result in excessive noise or vibration.
- 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.
- 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.
- Do not over-torque the oxygen sensor. Doing so may damage the oxygen sensor, resulting in the MIL coming on.

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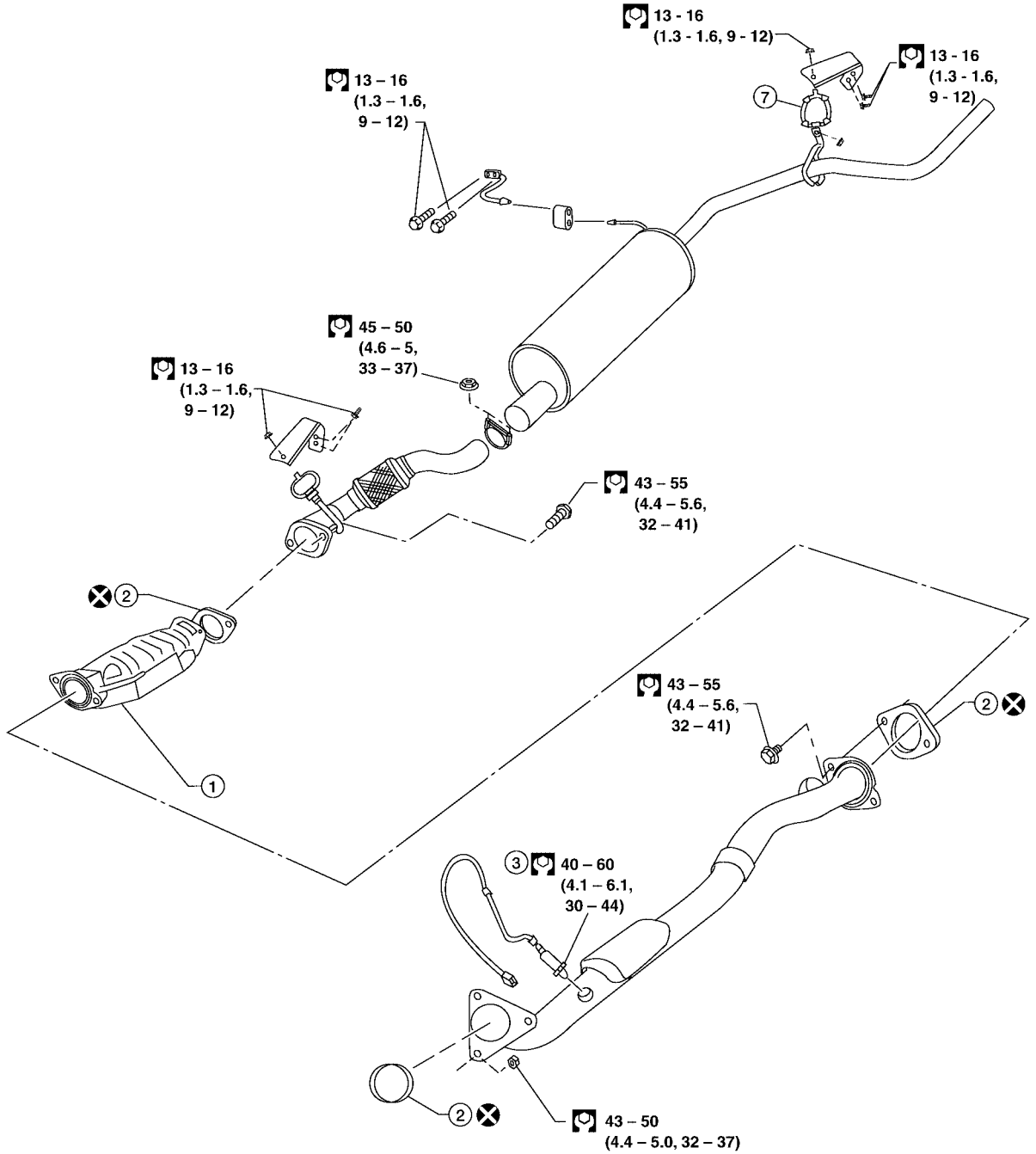
L

M

# EXHAUST SYSTEM

## KA24DE Models

SEC. 200



: N·m (kg-m, in-lb)

: N·m (kg-m, ft-lb)

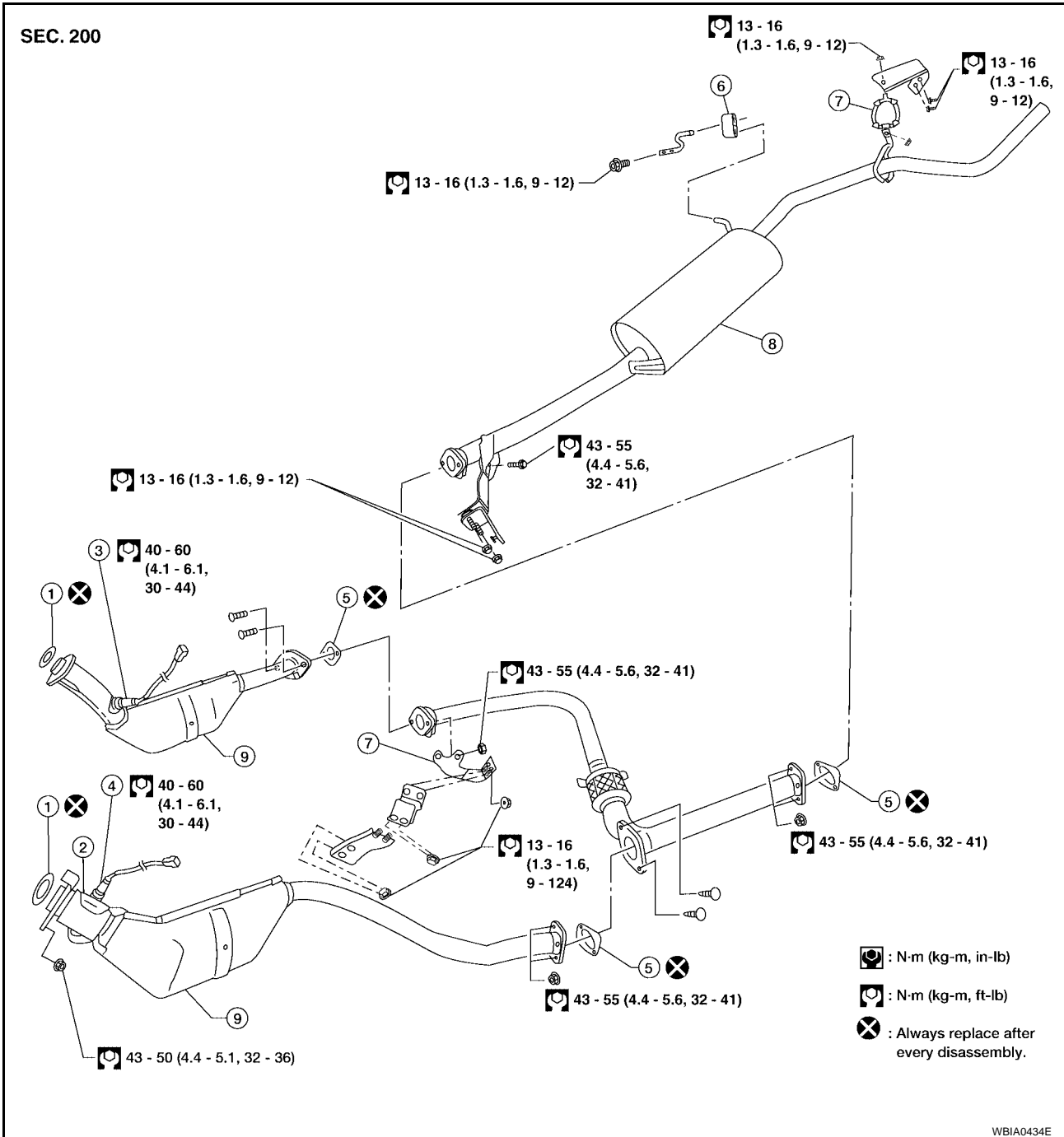
: Always replace after every disassembly.

WBIA0433E

1. Three way convertor (under floor)    2. Gasket    3. Heated oxygen sensor 2 (rear)

# EXHAUST SYSTEM

## VG33E 2WD Models



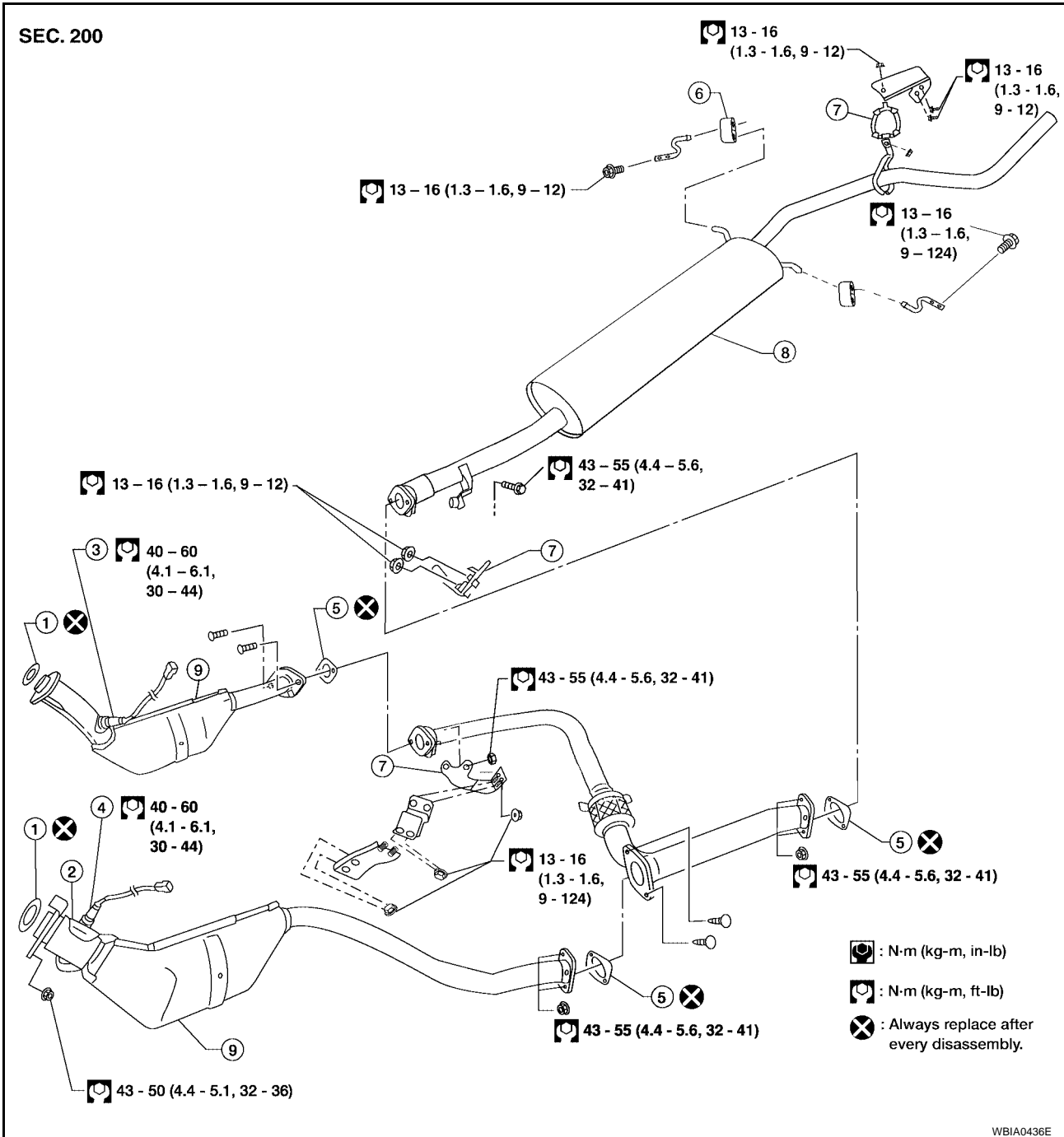
- |   |                        |   |
|---|------------------------|---|
| 1. Gasket                                 | 2. Front tube          | 3. Heated oxygen sensor 2 (rear) (bank 1) |
| 4. Heated oxygen sensor 2 (rear) (bank 2) | 5. Gasket              | 6. Mounting rubber                        |
| 7. Muffler                                | 8. Three way convertor |   |



# EXHAUST SYSTEM

## VG33ER Models

SEC. 200



- |   |               |   |
|---|---------------|---|
| 1. Gasket                                 | 2. Front tube | 3. Heated oxygen sensor 2 (rear) (bank 1) |
| 4. Heated oxygen sensor 2 (rear) (bank 2) | 5. Gasket     | 6. Mounting rubber                        |
| 7. Mounting bracket                       | 8. Muffler    | 9. Three way convertor                    |

WBIA0436E

# EXHAUST SYSTEM

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