SECTION EX
EXHAUST SYSTEM

CONTENTS

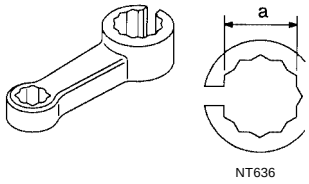
PREPARATION

PFP:00002

Special Service Tool

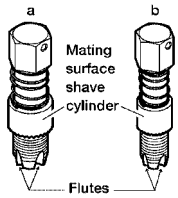
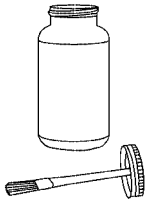
EBS008R1

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  NT636	Loosening or tightening rear heated oxygen sensor. **a: 22 mm (0.87 in)**

Commercial Service Tool

EBS008R2

Tool name (Kent-Moore No.)	Description
Oxygen sensor thread cleaner (J-43897-18) (J-43897-12)  AEM488	Reconditioning the exhaust system threads before installing a new oxygen sensor. Use with anti-seize lubricant shown in Commercial Service Tools. **a: J-43897-18 18 mm diameter, for Zirconia Oxygen Sensor** **b: J-43897-12 12 mm diameter, for Titania Oxygen Sensor**
Anti-seize lubricant (Permatex™ 133AR or equivalent meeting MIL specification MIL-A-907)  AEM489	Lubricating oxygen sensor thread cleaning tool when reconditioning exhaust system threads.

EXHAUST SYSTEM

PFP:20100

Removal and Installation

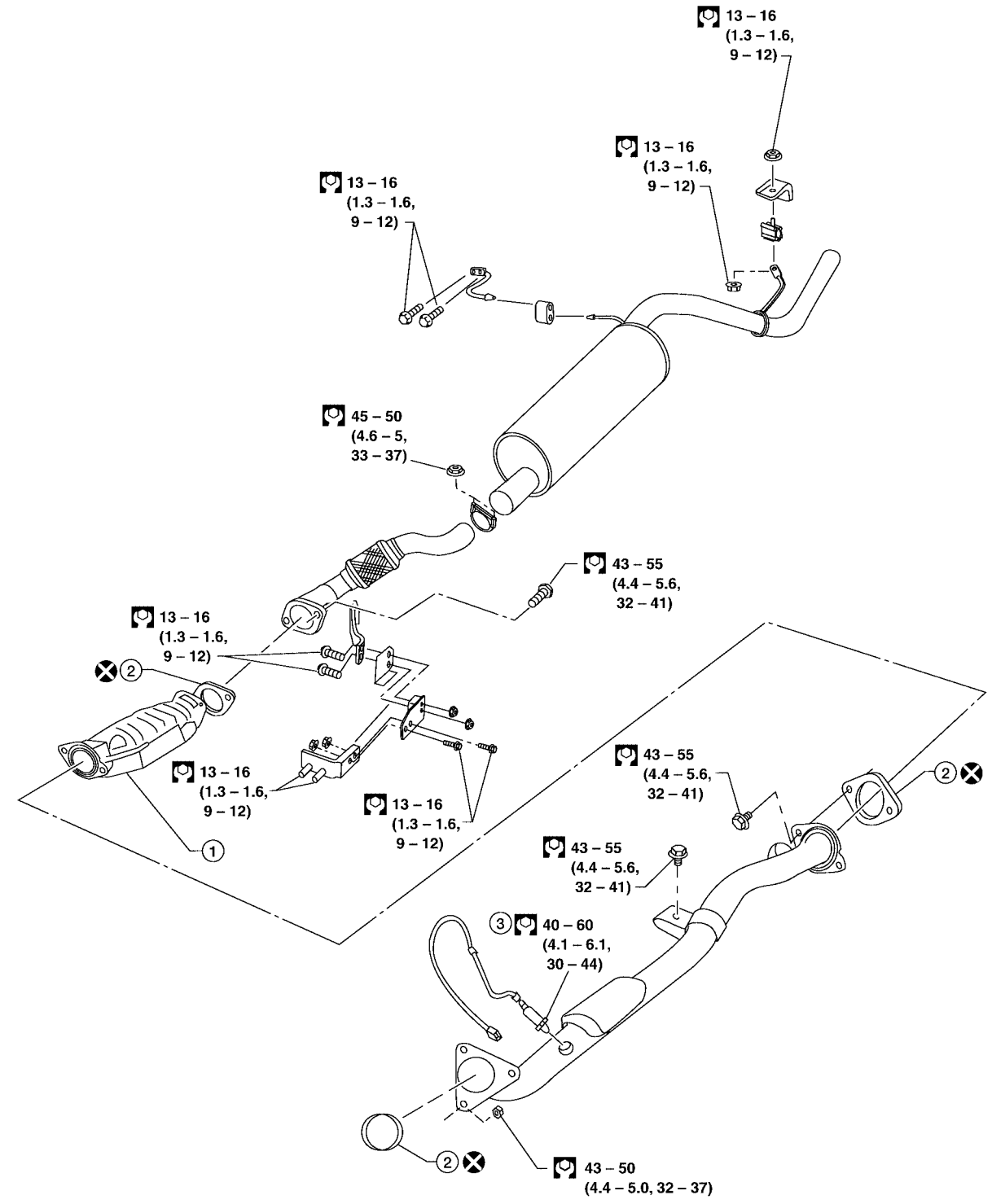
EBS008R3

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.**

KA24DE Models

SEC. 200



: N·m (kg-m, in-lb)

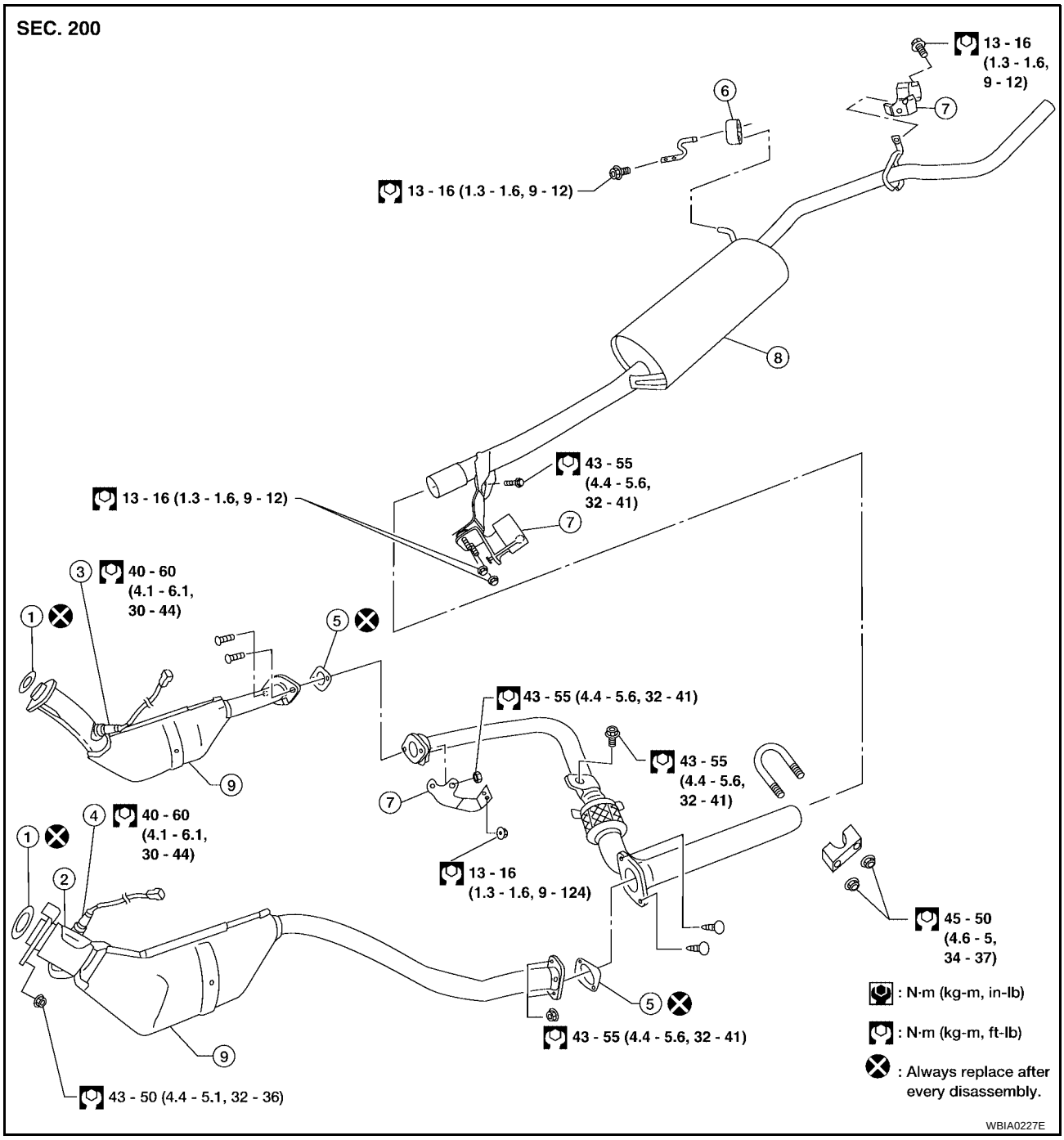
: N·m (kg-m, ft-lb)

: Always replace after every disassembly.

WBIA0241E

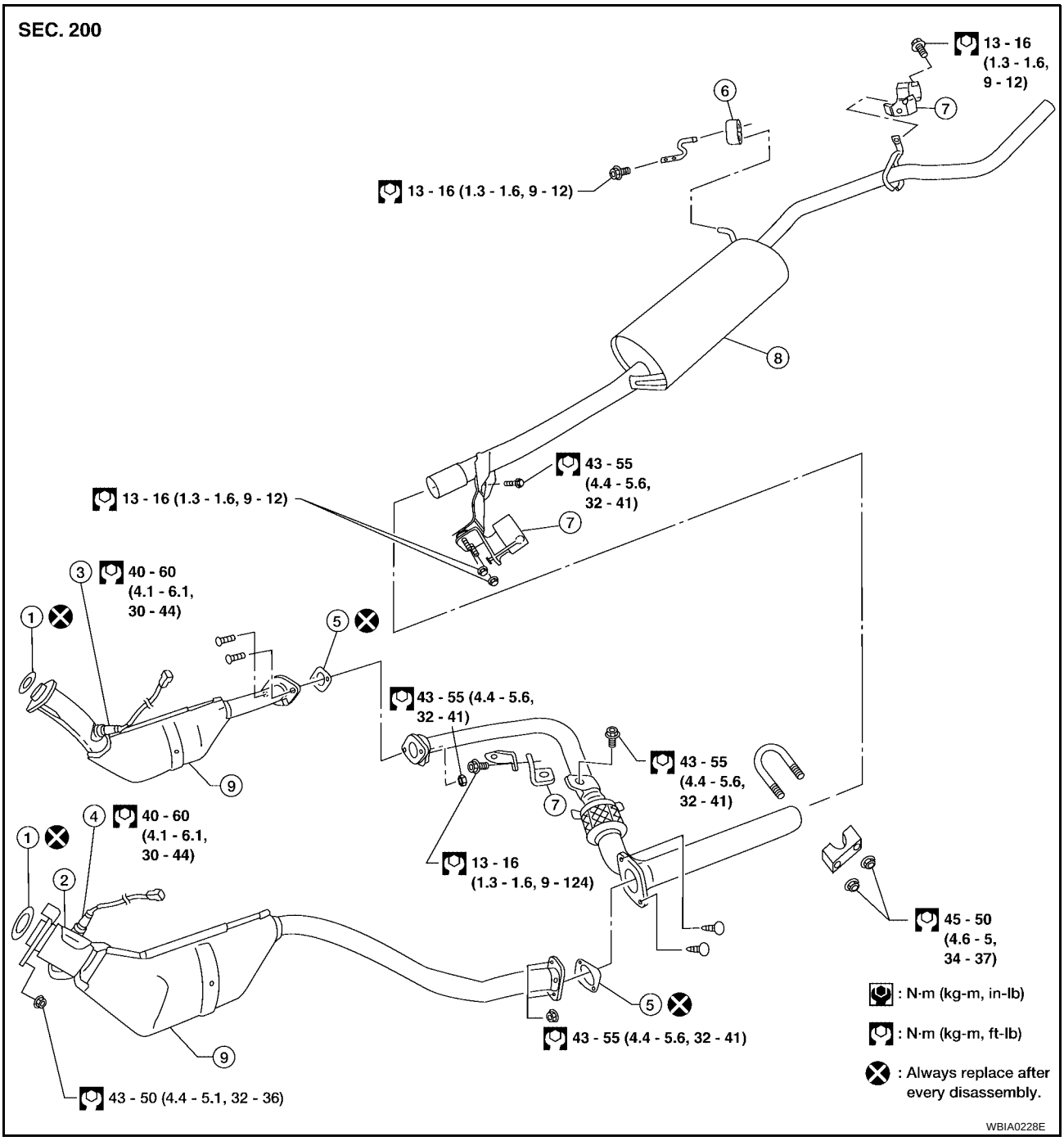
1. Three way convertor (under floor) 2. Gasket 3. Heated oxygen sensor 2 (rear)

VG33E 2WD Models



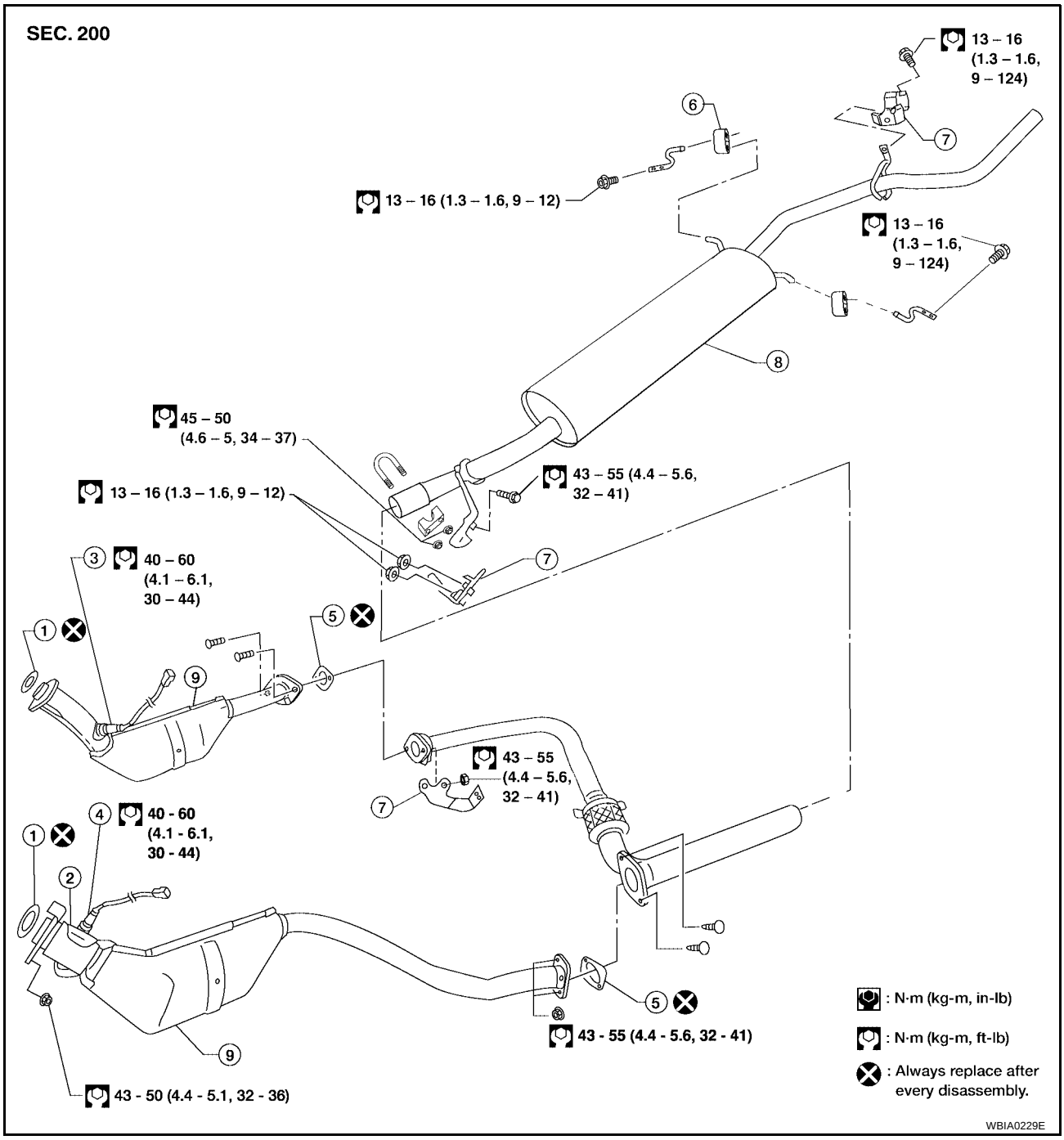
1. Gasket
2. Front tube
3. Heated oxygen sensor 2 (rear) (bank 1)
4. Heated oxygen sensor 2 (rear) (bank 2)
5. Gasket
6. Mounting rubber
7. Mounting bracket
8. Muffler
9. Three way convertor

VG33E 4WD 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. Mounting bracket
8. Muffler
9. Three way convertor

VG33ER 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. Mounting bracket
8. Muffler
9. Three way convertor