ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS

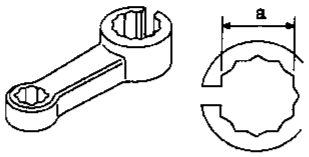
SECTION FE

CONTENTS

Special Service Tool

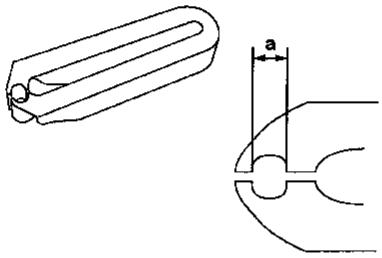
NDFE0001

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

NDFE0006

Tool name	Description	
Fuel tube removal tool	 AFE111	For disconnecting fuel tube quick connectors **a: 7.9 mm (5/16 in)**

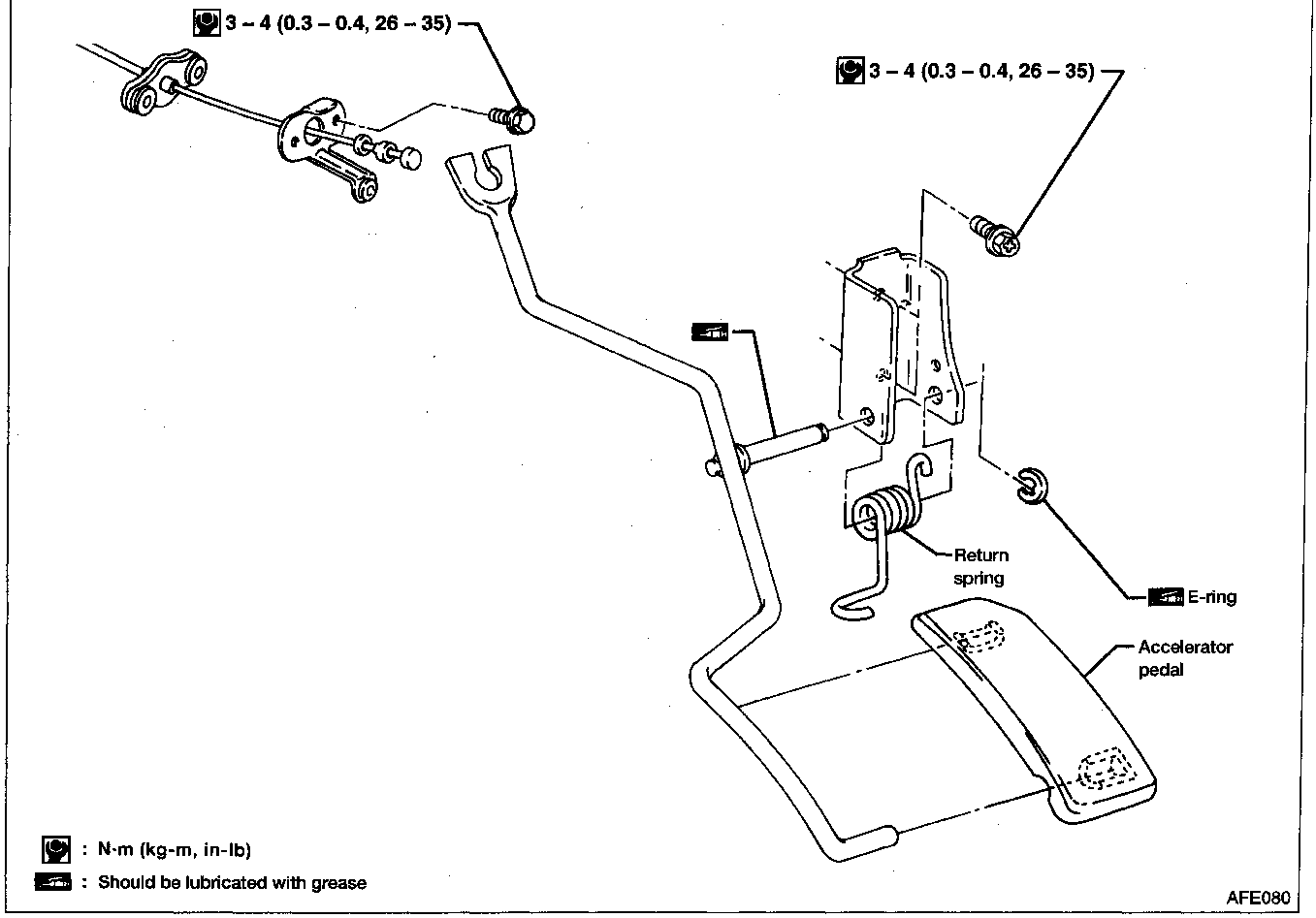
Removal and Installation

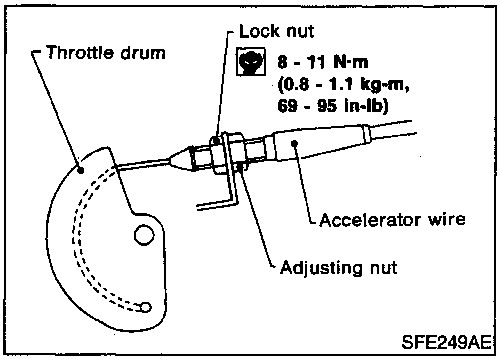
NDFE0002

CAUTION:

- **When removing accelerator wire, make a mark to indicate lock nut's initial position.**
- **Check that throttle valve opens fully when accelerator pedal is fully depressed. Also check that it returns to idle position when pedal is released.**
- **Check accelerator control parts for improper contact with any adjacent parts.**
- **When connecting accelerator wire, be careful not to twist or scratch its inner wire.**
- **Refer to EL section ("AUTOMATIC SPEED CONTROL DEVICE") for ASCD wire adjustment.**

SEC. 180





Adjusting Accelerator Wire

NDFE0003

NOTE:

Adjust accelerator wire with the engine warmed up to normal operating temperature and ignition switch turned to OFF.

1. Loosen lock nut, and tighten adjusting nut until throttle drum starts to move.
2. From that position turn back adjusting nut 1.5 to 2 turns, and secure lock nut.

Removal and Installation

NDFE0004

WARNING:

When replacing fuel line parts, be sure to observe the following:

- **Put a "CAUTION: INFLAMMABLE" sign in workshop.**
- **Do not smoke while servicing fuel system. Keep open flames and sparks away from work area.**
- **Be sure to furnish the workshop with a CO_2 fire extinguisher.**

CAUTION:

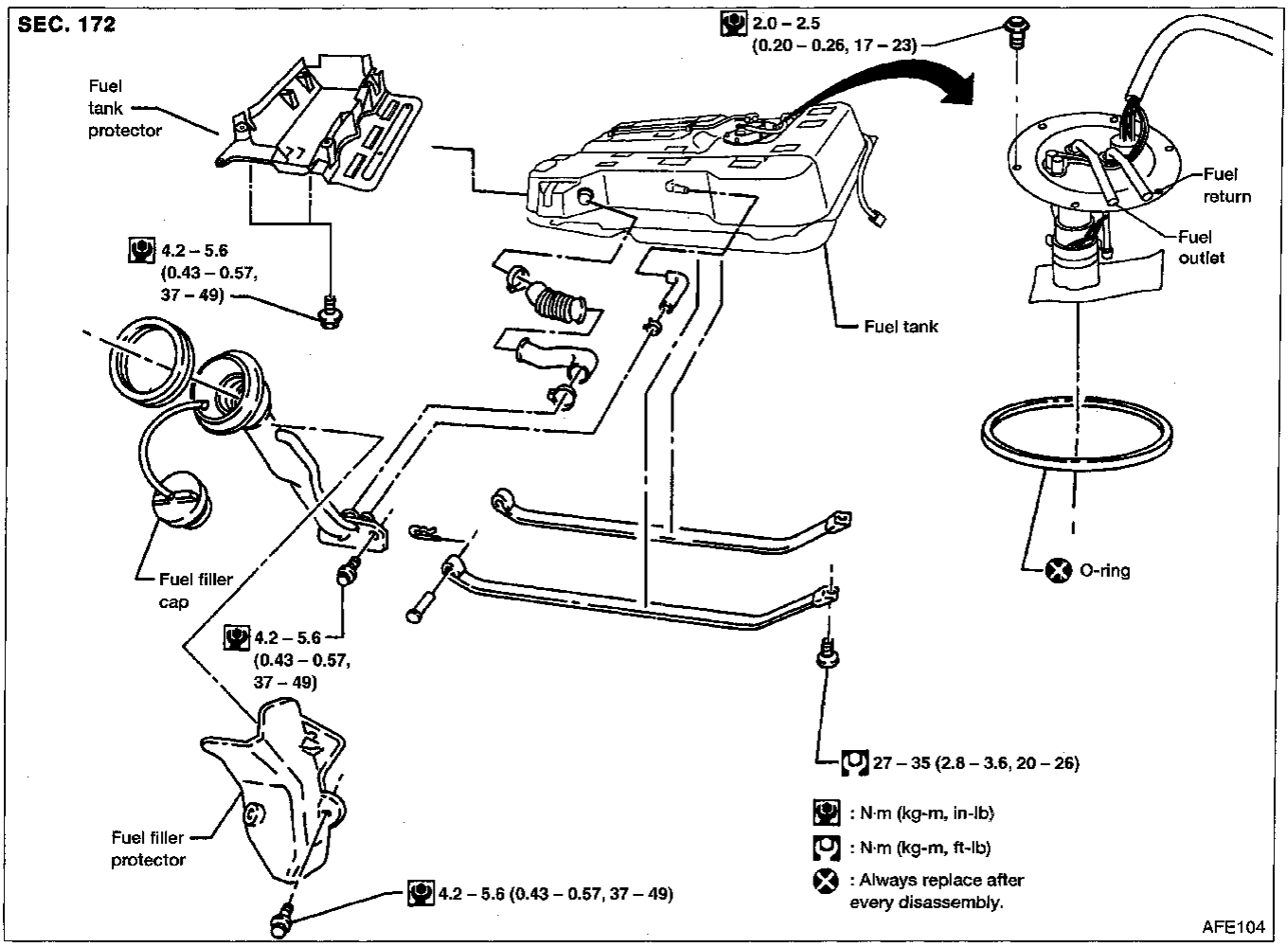
- **Before removing fuel line parts, carry out the following procedures:**

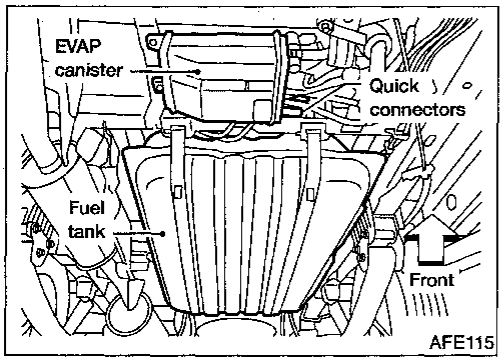
a) **Put drained fuel in an explosion-proof container and put lid on securely.**

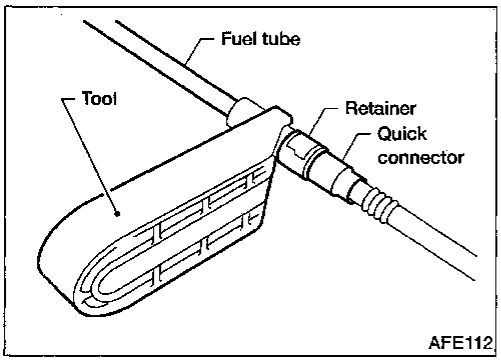
b) **Release fuel pressure from fuel line. Refer to MA section ("Changing Fuel Filter").**

c) **Disconnect battery ground cable.**

- **Remove quick connectors with Commercial Service Tool.**
- **Always replace O-ring with a new one.**
- **Do not kink or twist hoses and tubes when installed.**
- **Do not tighten hose clamps excessively to avoid damaging hoses.**
- **When installing fuel check valve, be careful of its designated direction. Refer to EC section ("EVAPORATIVE EMISSION SYSTEM").**
- **After installation, run engine and check for fuel leaks at connections.**







FUEL TANK

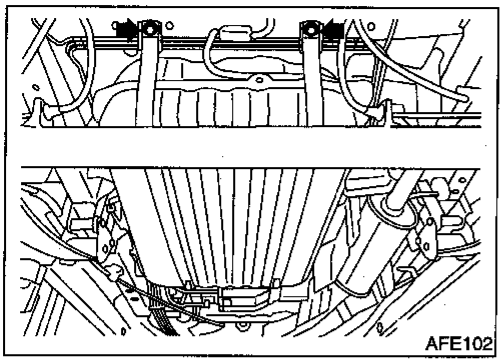
NDFE0004S01

1. Release fuel pressure from fuel line.
   Refer to MA section ("Changing Fuel Filter").
2. Disconnect battery ground cable.
3. Drain fuel from fuel tank.
4. Disconnect electrical connectors.
5. Remove filler protector.
6. Disconnect filler tube.

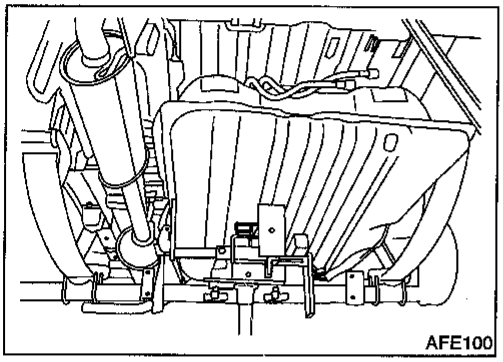
7. Disconnect the quick connectors as follows.

CAUTION:
To prevent damaging fuel lines, remove quick connectors with Tool.

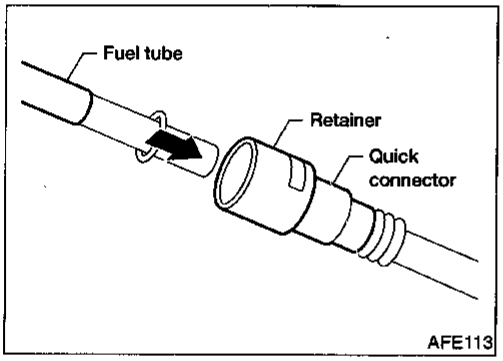
1) Put mating marks on tubes and connectors for correct installation.
2) Hold side of connector, slide tool inside of quick connector to open retainer and pull tube out of quick connector.


AFE102

8. Remove tank mounting band bolts while supporting fuel tank.


AFE100

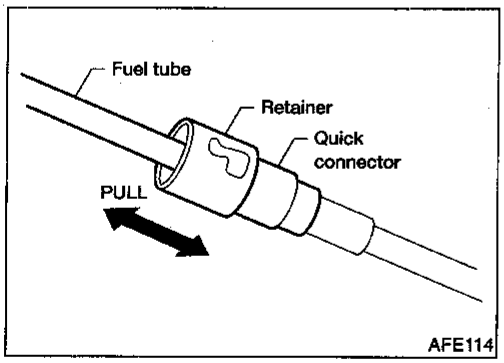
9. Remove fuel tank.



AFE113

To install, reverse the removal procedure. Connect the quick connectors as follows.

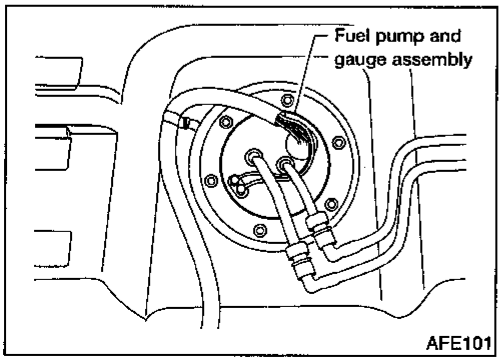
- Align mating marks.
- Insert tube into the center of the connector until you hear a click.



AFE114

After connecting quick connectors, make sure the connection is firmly made using the following method.

- Pull on the fuel tube and connector to make sure they are firmly connected.
- Start the engine, increase engine speed and verify that there are no leaks.

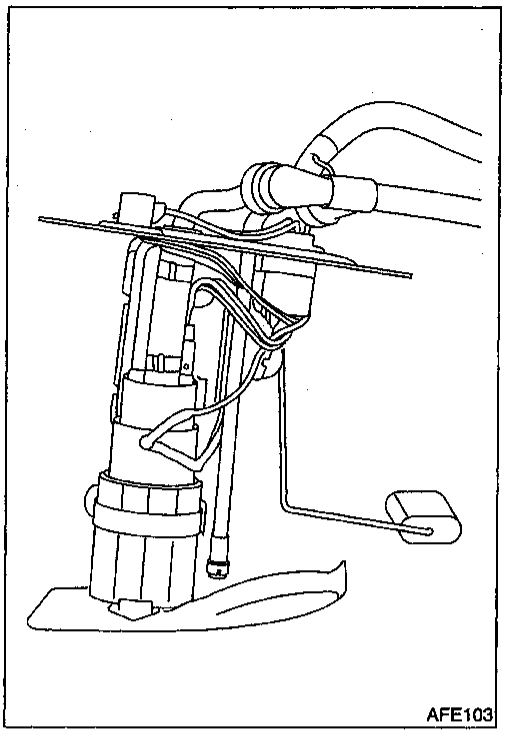


AFE101

FUEL PUMP AND GAUGE

NDFE0004S02

1. Remove fuel tank. Refer to "FUEL TANK", FE-5.
   - For removal of quick connectors, refer to step 7 of "FUEL TANK", FE-5.
2. Disconnect battery ground cable.
3. Disconnect fuel tubes and electrical connectors.
4. Remove the six bolts.



5. Remove fuel gauge assembly.

Installation procedure is the reverse order of removal.

CAUTION:

- **Tighten bolts to specified torque.**
  : 2.0 - 2.5 N·m (0.20 - 0.26 kg-m, 17.4 - 22.6 in-lb)
- **Always replace O-ring with a new one.**
- **After installation, run engine and check for leaks at connectors.**

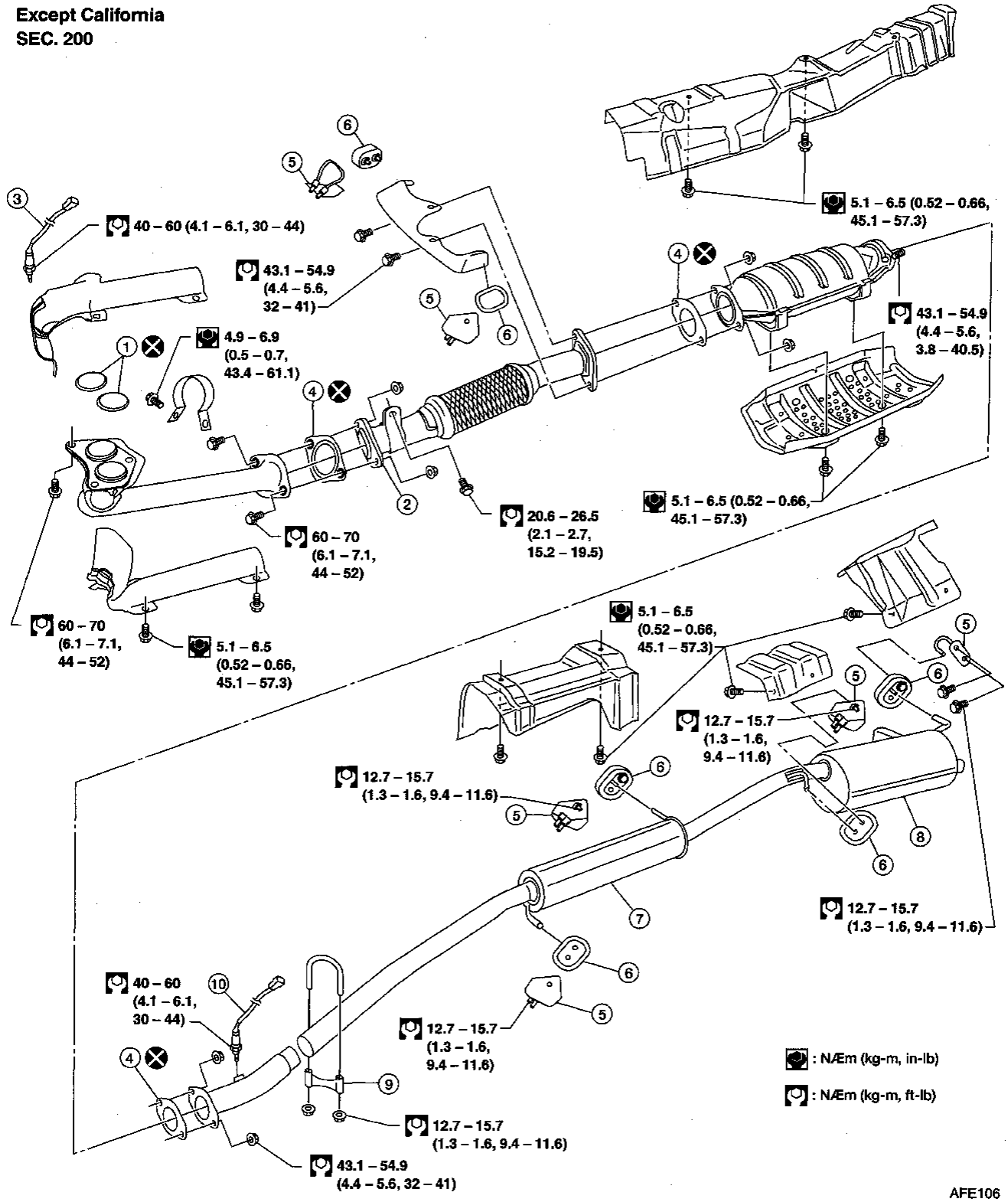
Removal and Installation

NDFE0005

CAUTION:

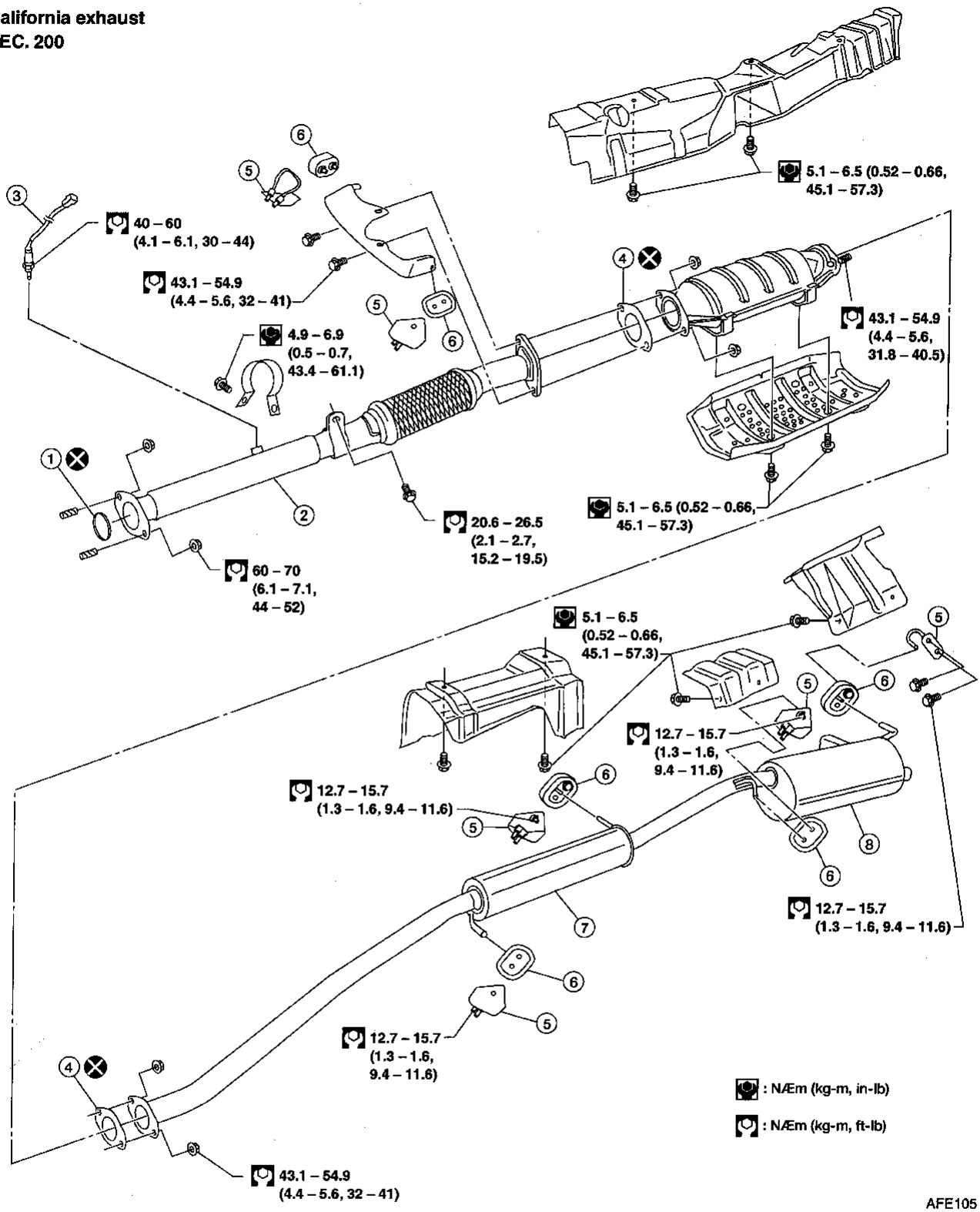
- **Always replace exhaust gaskets with new ones when reassembling.**
- **With engine running, check all tube connections for exhaust gas leaks, and entire system for unusual noises.**
- **Check to ensure that mounting brackets and mounting insulators are installed properly and free from undue stress. 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; use a new one.**
- **Do not overtorque the oxygen sensor. Doing so may cause damage to the oxygen sensor, resulting in the MIL coming on.**

Except California
SEC. 200



1. Gasket
2. Front tube
3. Front heated oxygen sensor
4. Gasket
5. Mounting bracket
6. Mounting rubber
7. Center muffler
8. Rear muffler
9. Clamp
10. Rear heated oxygen sensor

California exhaust
SEC. 200



1. Gasket
2. Front tube
3. Rear heated oxygen sensor
4. Gasket
5. Mounting bracket
6. Mounting rubber
7. Center muffler
8. Rear muffler