ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS

MA

EM

LC

EC

FE

BR

ST

RS

BT

HA

SC

EL

IDX

GI

SECTION

CONTENTS

PREPARATION	2
Special Service Tool	2
Commercial Service Tool	2
ACCELERATOR CONTROL SYSTEM	3
Removal and Installation	3
Adjusting Accelerator Wire	3

FUEL SYSTEM	AT
Removal and Installation4	
FUEL TANK5	AX
FUEL PUMP AND GAUGE6	5 65 6
EXHAUST SYSTEM	
Removal and Installation8	SU

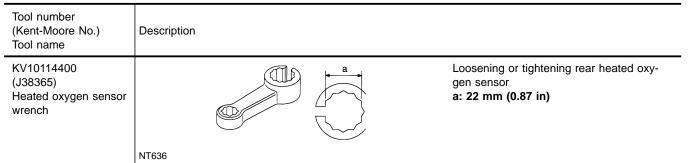
PREPARATION

Special Service Tool

Special Service Tool

NDFE0001

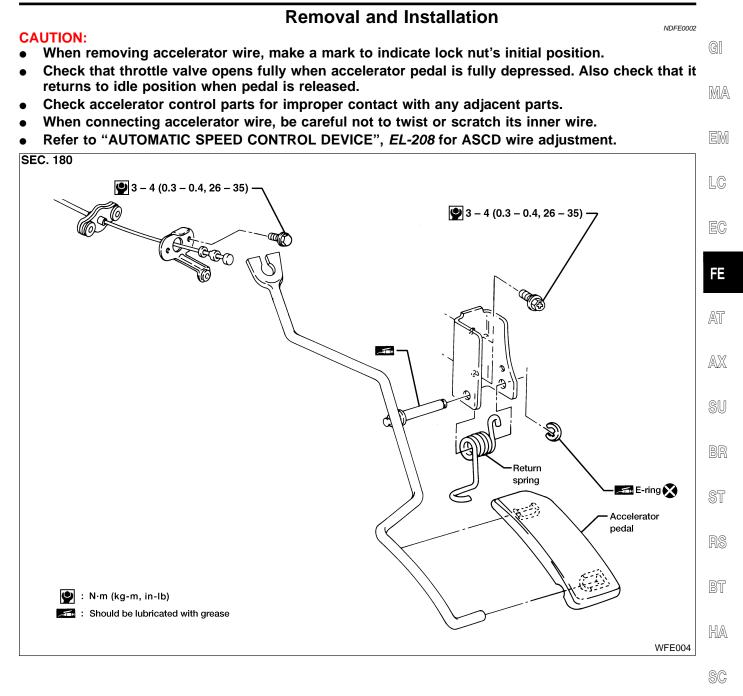
The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

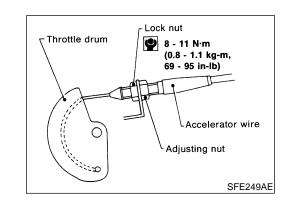


Commercial Service Tool

NDFE0006 Tool number (Kent-Moore No.) Description Tool name Fuel tube removal tool For disconnecting fuel tube quick connectors a: 7.9 mm (5/16 in) AFE111 (J-43897-18) Reconditioning the exhaust system threads b (J-43897-12) before installing a new oxygen sensor. Use Oxygen Sensor Thread Mating with anti-seize lubricant shown below Cleaner surface a: J-43897-18 18mm diameter, for Zircoshave nia oxygen sensor cylinder a: J-43897-12 12mm diameter, for Titania oxygen sensor Flutes AEM488 Anti-seize lubricant Lubricating oxygen sensor thread cleaning (Permatex[™] 133AR or tool when reconditioning exhaust system equivalent meeting MIL threads specification MIL-A-907) AEM489

Removal and Installation





Adjusting Accelerator Wire NOTE:

EL

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

WARNING:

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

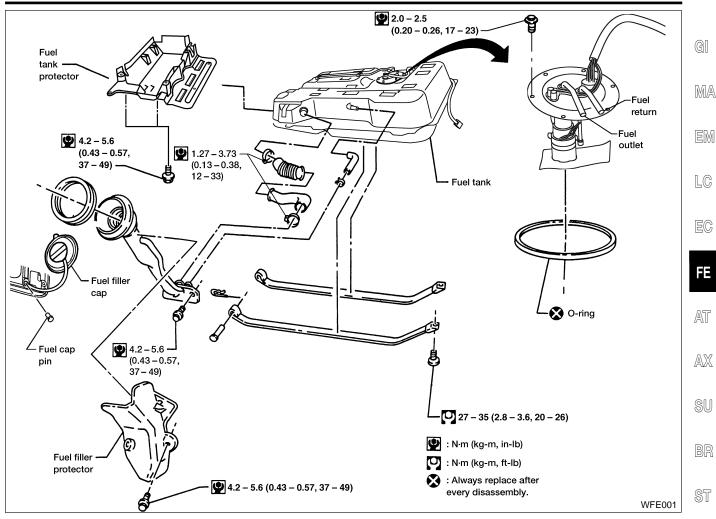
- Put a "CAUTION: INFLAMMABLE" sign in workshop.
- Do not smoke while servicing fuel system. Keep open flames and sparks away from work area.
- Be sure to furnish the workshop with a CO₂ fire extinguisher.

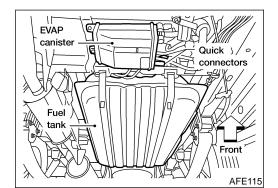
CAUTION:

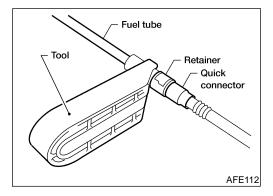
- Before removing fuel line parts, carry out the following procedures:
- a) Put drained fuel in an explosion-proof container and put lid on securely.
- b) Release fuel pressure from fuel line. Refer to "Changing Fuel Filter", *MA-18*.
- c) Disconnect battery ground cable.
- Remove quick connectors with 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 "EVAPORATIVE EMISSION SYSTEM", *EC-30*.
- After installation, run engine and check for fuel leaks at connections.

NDFE0004









FUEL TANK

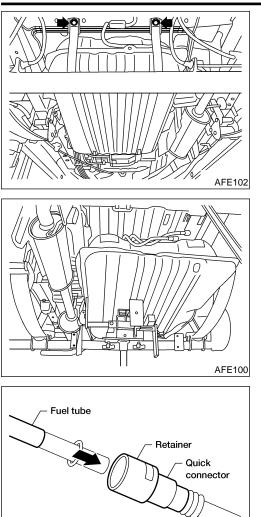
1.	Release fuel pressure from fuel line. Refer to "Changing Fuel Filter", MA-18 .	NDFE0004S01	BI
2.	Disconnect battery ground cable.		HA
3.	Drain fuel from fuel tank.		
4.	Disconnect electrical connectors.		@@
5.	Remove filler protector.		SC
6.	Disconnect filler tube.		
			EL

7. Disconnect the quick connectors as follows. **CAUTION:**

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

IDX

- Keep the connecting portion of the tubes and quick connector clean.
- 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.

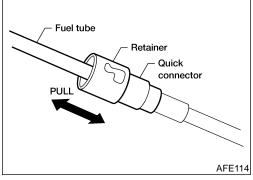


8. Remove tank mounting band bolts while supporting fuel tank.

9. Remove fuel tank.

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

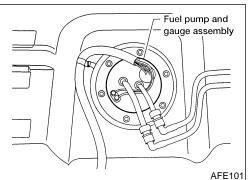
- Be sure that the connecting portion is clean and smooth.
- Align mating marks.
- Insert tube into the center of the connector until you hear a click.



AFE113

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.



FUEL PUMP AND GAUGE

- 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.

Removal and Installation (Cont'd)



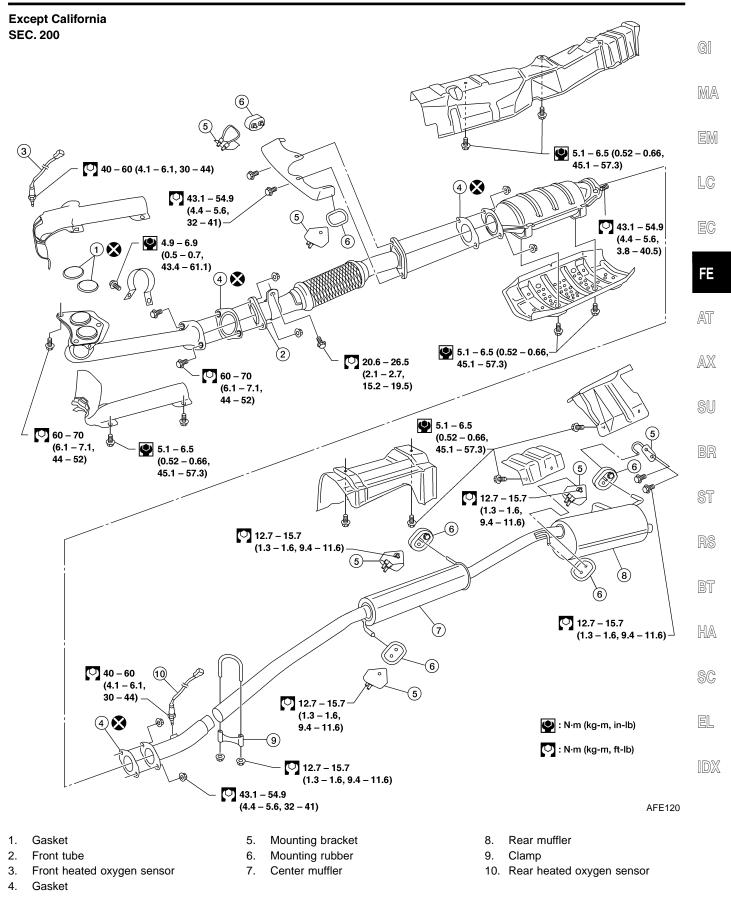
EXHAUST SYSTEM

Removal and Installation

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.
- Before installing new oxygen sensor, clean exhaust system threads using Oxygen Sensor Thread Cleaner tool J-43897–18 or J-43897–12 and approved anti-seize lubricant.
- Do not overtorque the oxygen sensor. Doing so may cause damage to the oxygen sensor, resulting in the MIL coming on.

EXHAUST SYSTEM



FE-9

