ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS

SECTION

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CONTENTS

PREPARATION	2
Special Service Tool	2
Commercial Service Tools	2
ACCELERATOR CONTROL SYSTEM	3
Removal and Installation	3
REMOVAL	3
INSTALLATION	3
INSPECTION AFTER INSTALLATION	3
FUEL SYSTEM	4
Removal and Installation	4

REMOVAL5	AT
INSTALLATION5 Fuel Pump, Fuel Level Sensor Unit and Fuel	
Filter	AX
REMOVAL	
INSTALLATION8	SU
EXHAUST SYSTEM	90
Removal and Installation9	
	BR
	ST
	RS
	NO
	BT
	HA
	SC
	00
	PI
	EL
	IDX

Fuel Tank5

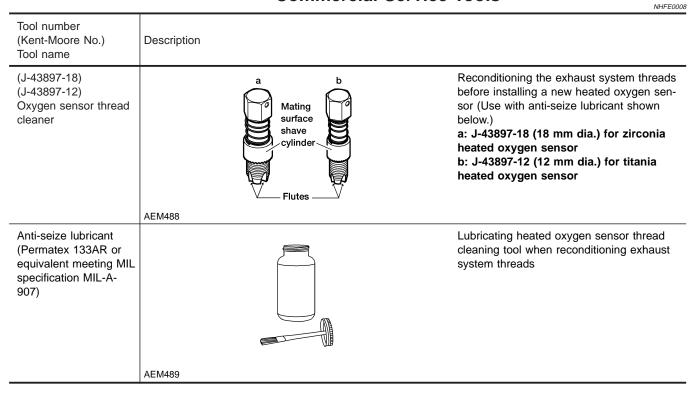
PREPARATION

Special Service Tool

Special Service Tool

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 (J-38365) Heated oxygen sensor wrench	NT636	Loosening or tightening heated oxygen sensors a: 22 mm (0.87 in)



Commercial Service Tools

NHFE0001

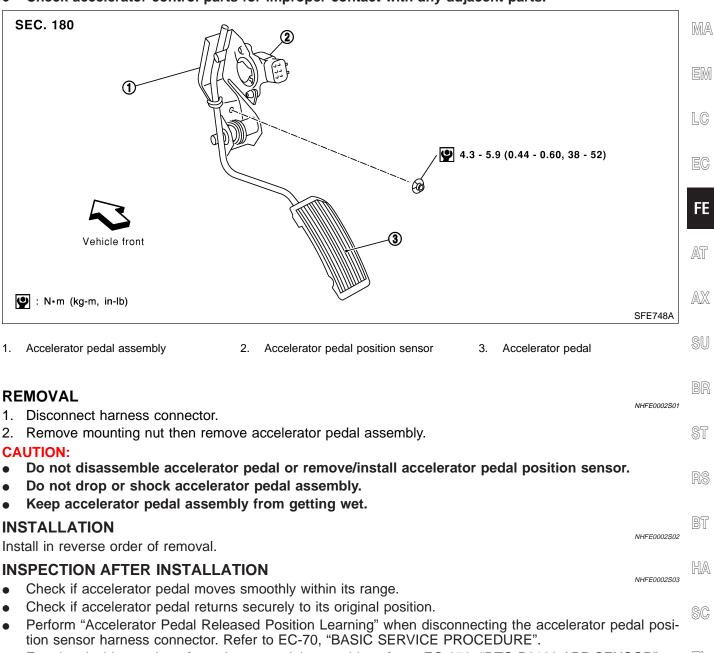
NHFE0002

CAUTION:

Check that throttle valve opens when accelerator pedal is fully depressed. Also check that it returns to idle position when pedal is released when ignition switch is in "ON" position.

Removal and Installation

Check accelerator control parts for improper contact with any adjacent parts.



● For electrical inspection of accelerator pedal assembly, refer to EC-670, "DTC P2138 APP SENSOR". 🗄

Removal and Installation

NHFE0004

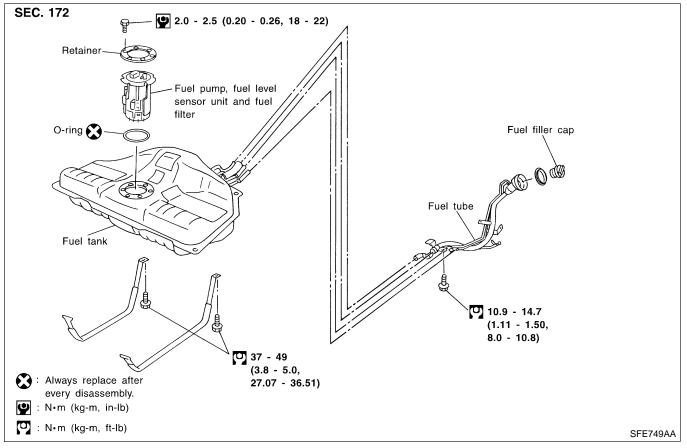
WARNING:

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

- Put a "CAUTION: INFLAMMABLE" sign in workshop.
- Be sure to work in a well ventilated area and furnish workshop with a CO₂ fire extinguisher.

• Do not smoke while servicing fuel system. Keep open flames and sparks away from work area. CAUTION:

- Before removing fuel line parts, carry out the following procedures:
- a) Put drained fuel in an explosion-proof container and put the lid on securely. Keep the container in safe area.
- b) Release fuel pressure from fuel line. Refer to EC-55, "Fuel Pressure Release".
- c) Disconnect battery ground cable.
- Always replace O-ring and clamps with new ones.
- Do not kink or twist tubes when they are being installed.
- Do not tighten hose clamps excessively to avoid damaging hoses.
- After installing fuel tubes, run engine and check for fuel leaks at connections.
- a) Apply fuel pressure to fuel lines with turning ignition switch ON (with engine stopped). Then check for fuel leaks at connections.
- b) Start the engine and rev it up and check for fuel leaks at connections.
- Use only a genuine NISSAN fuel filler cap as a replacement. If an incorrect fuel filler cap is used, the MIL may come on.
- For inspection and installation of EVAP system parts, refer to EC-37, "Evaporative Emission System".
- For inspection and installation of ORVR system parts, refer to EC-43, "On Board Refueling Vapor Recovery (ORVR)".



Fuel Tank

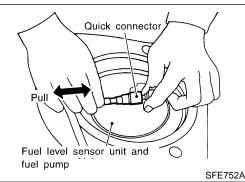
	Fuel Tank	
Harness connector	REMOVAL	
	1. Release fuel pressure from fuel line.	
	Refer to EC-55, "Fuel Pressure Release".	GI
	2. Disconnect battery ground cable.	C III
	3. Drain fuel from fuel tank.	
	4. Remove rear seat bottom. Refer to BT-53, "Removal and Instal-	MA
	lation".	
Fuel level sensor Quick connector	5. Disconnect electrical connector.	EM
unit and fuel pump SFE750A	6. Disconnect the quick connector as follows.	
51 L 7 50 A	a. Put mating marks on tubes and connectors for correct instal-	
	lation.	LC
Pull	b. Hold the sides of the connector, push in tabs, and pull out the	
Push in tabs.	tube inserted in the retainer.	EC
	CAUTION:	5V
	• The quick connector can be disconnected when the push	
	in tabs are completely depressed. Do not twist it more than necessary.	FE
	 Do not use any tools to disconnect the quick connector. Keep clean the connecting portion of the tube and the 	AT
	• Reep clean the connecting portion of the tube and the quick connector.	1-71
SFE562A	quick connector.	
	7. Disconnect filler hose, vent hose and EVAP hose at fuel tank	AX
The second second	side.	
	8. Remove exhaust heat insulators.	SU
EVAP hose	9. Remove fuel tank mounting band bolts while supporting fuel	99
W/W/W/W/W/	tank.	
	10. Remove fuel tank.	BR
		ST
Filler hose		U
Front SFE559AA		
Si Looonn	INSTALLATION	RS
Quick connector	NHFE0006S02	
$\rangle \qquad \forall $	To install, reverse the removal procedure. Connect the quick con- nector as follows:	BT
	 Align mating marks on tubes and connectors for correct instal- 	D
	 Align marks on tubes and connectors for correct instal- lation. 	
	 Be sure that the connecting portion of the tube and the quick 	HA
	connectors is clean and smooth.	
	 Align push in tabs with retainer openings. 	@@
	 Insert tube into the center of the connector until you hear a 	SC
Fuel level sensor unit and fuel pump	click.	
SFE751A		EL
	After connecting quick connector, make sure the connection is	
Quick connector	firmly made using the following method.	

IDX Pull on the fuel tube and connector to make sure they are firmly . connected.

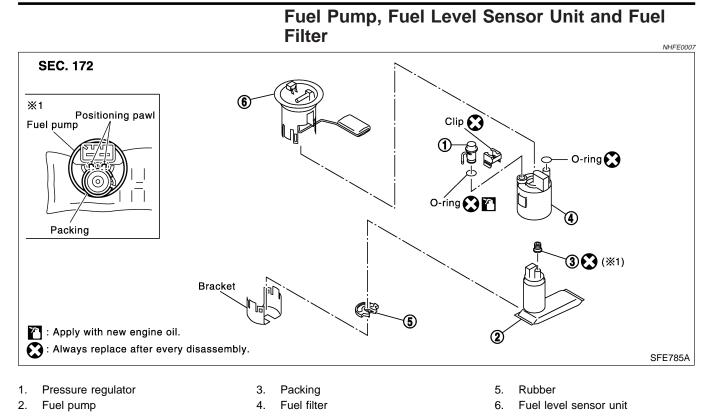
Make sure that there are no leakage at fuel line connections as follows.

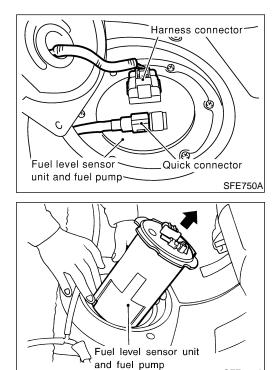
- Apply fuel pressure to fuel lines with ignition switch turned ON • (with engine stopped). Then check that there are no leaks.
- Start the engine, increase engine speed and verify that there • are no leaks again.

EVAP hose



FE-5





REMOVAL

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- Release fuel pressure from fuel line. Refer to EC-55, "Fuel Pressure Release".
- 2. Remove rear seat bottom. Refer to BT-53, "Removal and Installation".
- 3. Remove inspection hole cover located under the rear seat.
- 4. Disconnect electrical connector.
- 5. Disconnect the quick connectors.
- For disconnection of quick connectors, refer to step 6. of "Fuel Tank Removal".
- 6. Remove the six bolts.
- 7. Pull out the fuel level sensor unit and fuel pump.
- Do not damage the arm of the fuel level sensor and fuel tank temperature sensor.

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EM

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EC

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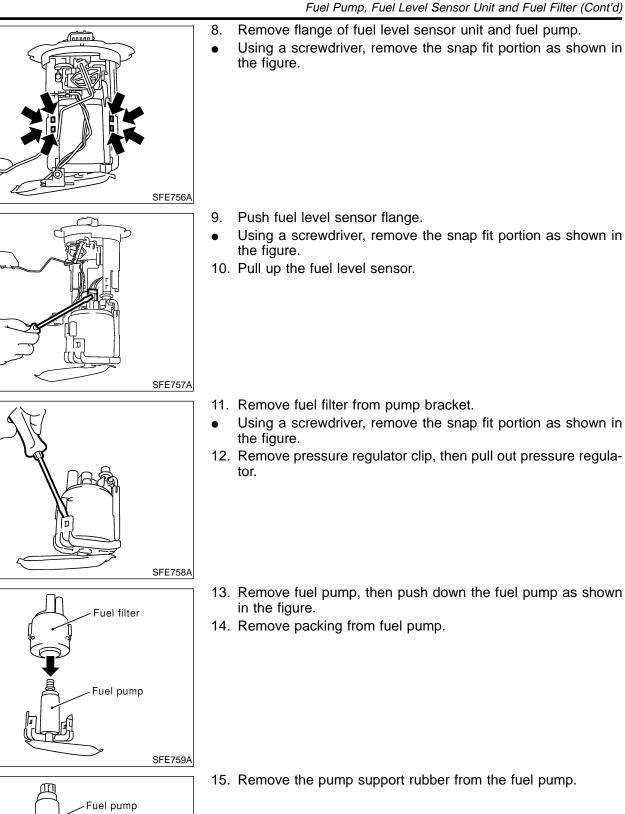
ST

BT

HA

SC

EL



Pump support rubber

Pump bracket

SFE760A

Fuel Pump, Fuel Level Sensor Unit and Fuel Filter (Cont'd)

INSTALLATION

Install in the reverse order of removal paying attention to the following.

- Install the fuel filter and fuel pump with the tabs aligned, make sure a click sound of secure engagement is heard.
- Securely connect the harness connector of the fuel pump.
- Install the pressure regulator O-ring as follows.

CAUTION:

- When replacing, always use a new O-ring, packing and clip.
- Handle it with bare hands. (Do not use gloves.)
- Visually check the O-ring, mounting parts and mating parts for foreign materials and flaws.
- Before installing, apply new engine oil.
- To avoid damage, do not apply an excessive force (pulling or starching).

Clip mounting groove Installed view Align clip notch with protrusion. Protrusion SFE765A

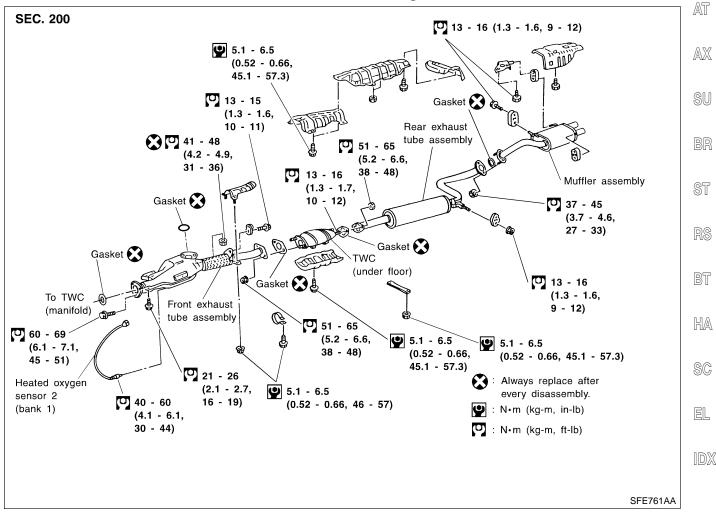
JFE786A

- Install the pressure regulator as follows.
- a) Insert the clip to the groove of the regulator.
- b) With the clip installed, insert the regulator straight by matching the fuel filter protrusion and the clip notch.
- c) Make sure that the fuel filter protrusion and clip notch are securely engaged.
- Install retainer so that its notch becomes parallel with notch on fuel tank.
- Tighten retainer mounting bolts evenly.

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 MA 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 a new heated oxygen sensor, clean exhaust system threads using heated oxygen sensor thread cleaner tool, J-43897-18 or J-43897-12, and apply anti-seize lubricant.
- Do not overtorque the heated oxygen sensor. Doing so may cause damage to the heated oxygen sensor, resuiting in the MIL coming on.

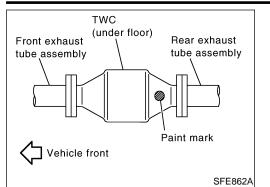


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EXHAUST SYSTEM



• Install three way catalyst (under floor) as shown in the figure. (This illustration does not show gaskets and nuts etc.)