# ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS

SECTION

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Fuel Tank ......5

#### 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 front and rear heated oxygen sensors a: 22 mm (0.87 in)



## **Commercial Service Tools**

NHFE0001

NHFE0002

#### CAUTION:

# Removal and Installation

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



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## **Removal and Installation**

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#### 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 CO<sub>2</sub> 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-56, "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 installation, check for fuel leaks at connections in the following steps.
- 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-36, "Evaporative Emission System".
- For inspection and installation of ORVR system parts, refer to EC-42, "On Board Refueling Vapor Recovery (ORVR)".



Fuel Tank



SFE752A

Fuel level sensor unit and

fuel pump

#### Fuel Pump, Fuel Level Sensor Unit and Fuel **Filter**



Pressure regulator 1.

Packing 3.

- Rubber 5.
  - Fuel level sensor unit 6.

NHFE0007S01

Fuel pump 2.

Fuel filter 4.



#### REMOVAL

1.

SFE755A

- Release fuel pressure from fuel line. Refer to EC-56, "Fuel Pressure Release".
- 2. Remove rear seat bottom. Refer to BT-50, "Removal and Installation".
- 3. Remove inspection hole cover located under the rear seat.
- Disconnect electrical connector. 4.
- Remove the quick connectors. 5.
- For removal of quick connectors, refer to step 5. of "Fuel Tank • Removal".
- 6. Remove the six screws.
- Pull out the fuel level sensor unit and fuel pump. 7.
- Do not damage the arm of the fuel level sensor and fuel • tank temperature sensor.

FE-6

	Fuel Pump, Fuel Level Sensor Unit and Fuel Filter (Cont'd)	
transmitter to the second seco	<ul><li>8. Remove flange of fuel level sensor unit and fuel pump.</li><li>Using a screwdriver, remove the snap fit portion as shown in the figure.</li></ul>	
		GI MA
SEE756A		EM
	<ul><li>9. Push fuel level sensor flange.</li><li>Using a screwdriver, remove the snap fit portion as shown in the figure.</li></ul>	LC
	10. Pull up the fuel level sensor.	EC
		AT
SFE757A	<ul><li>11. Remove fuel filter from chamber.</li><li>Using a screwdriver, remove the snap fit portion as shown in the figure</li></ul>	AX
	the ligule.	SU BR
		ST
SFE758A	12. Remove fuel pump, then push down the fuel pump as shown in the figure.	RS
		bt Ha
Fuel pump		SC
SFE759A	13. Remove the pump support rubber from the fuel pump.	
Fuel pump		IDX
Pump support rubber		

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Pump bracket

SFE760A

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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:**

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- When replacing, always use a new O-ring.
  - 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).



- Install the pressure regulator as follows.
- 1. Insert the clip to the groove of the regulator.
- 2. With the clip installed, insert the regulator straight by matching the fuel filter protrusion and the clip notch.
- 3. Make sure that the fuel filter protrusion and clip notch are securely engaged.

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



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