

FUEL SYSTEM



LESSON AIMS

- Revision of information about fuel system
 - Speaking skills practice
 - Professional training

LESSON TASKS



1

REVISION OF ENGINE VOCABULARY

2

REVISION OF FUEL SYSTEM VOCABULARY

3

Вставьте Ваш текст

4

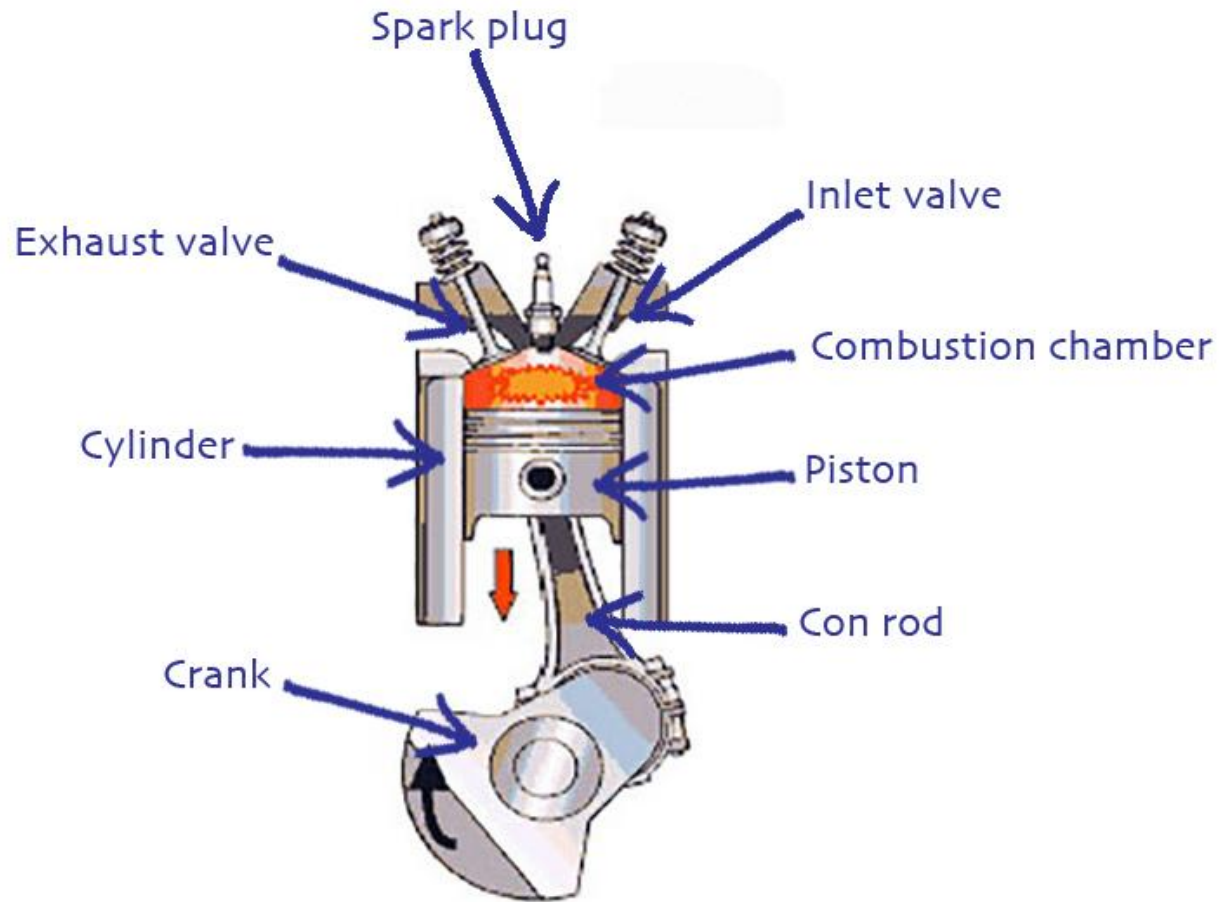
Вставьте Ваш текст

5

Вставьте Ваш текст

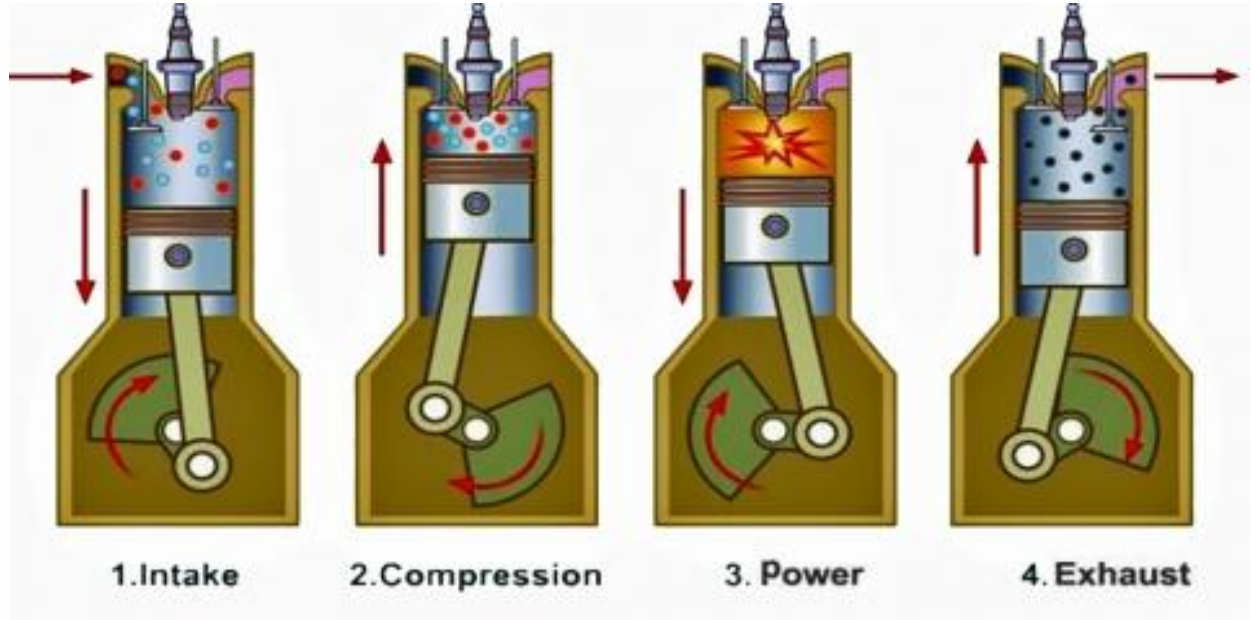
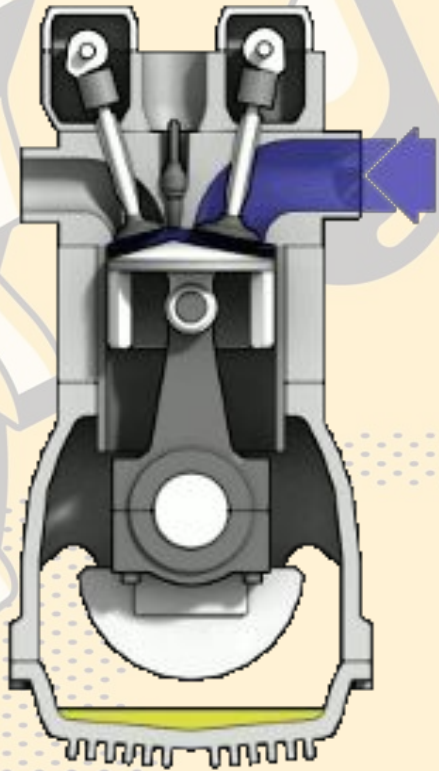


Internal combustion engine



4-stroke operating cycle

1





FUEL SYSTEM VOCABULARY

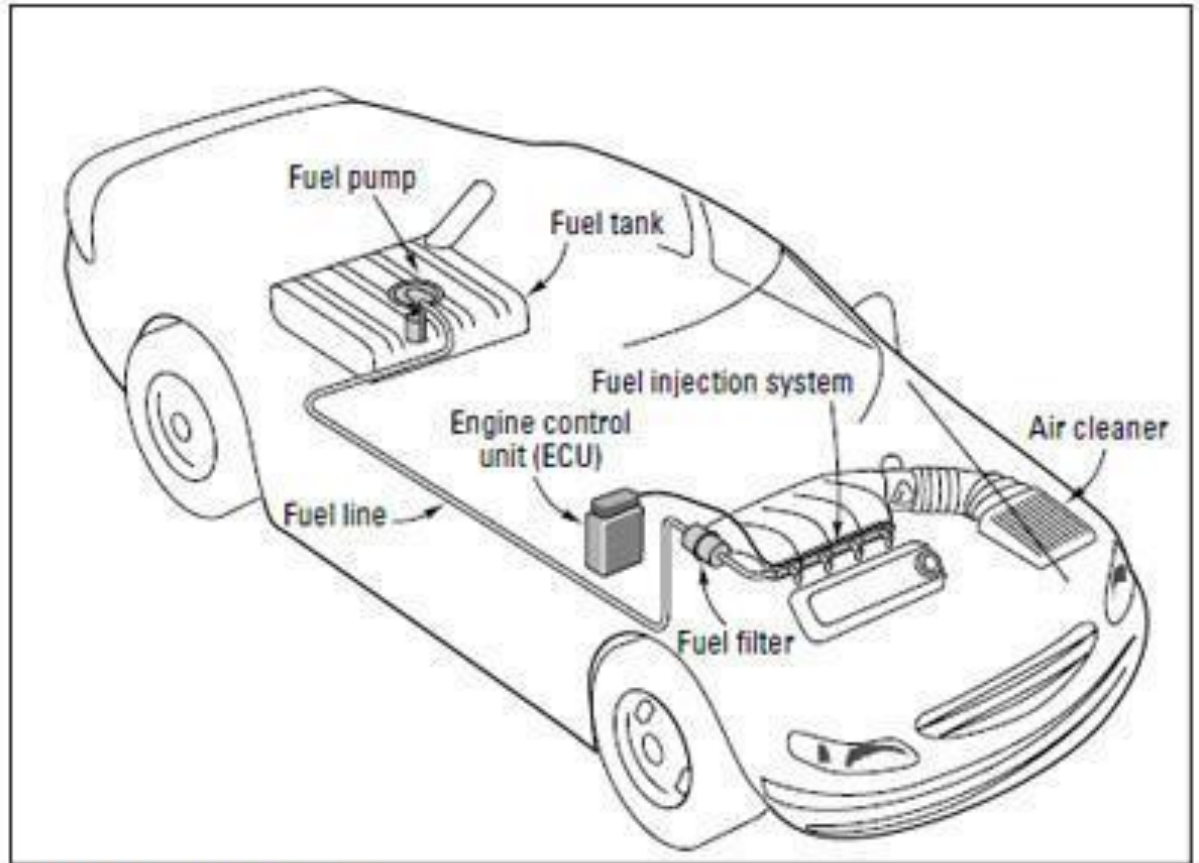



Figure 7-1: A fuel system.

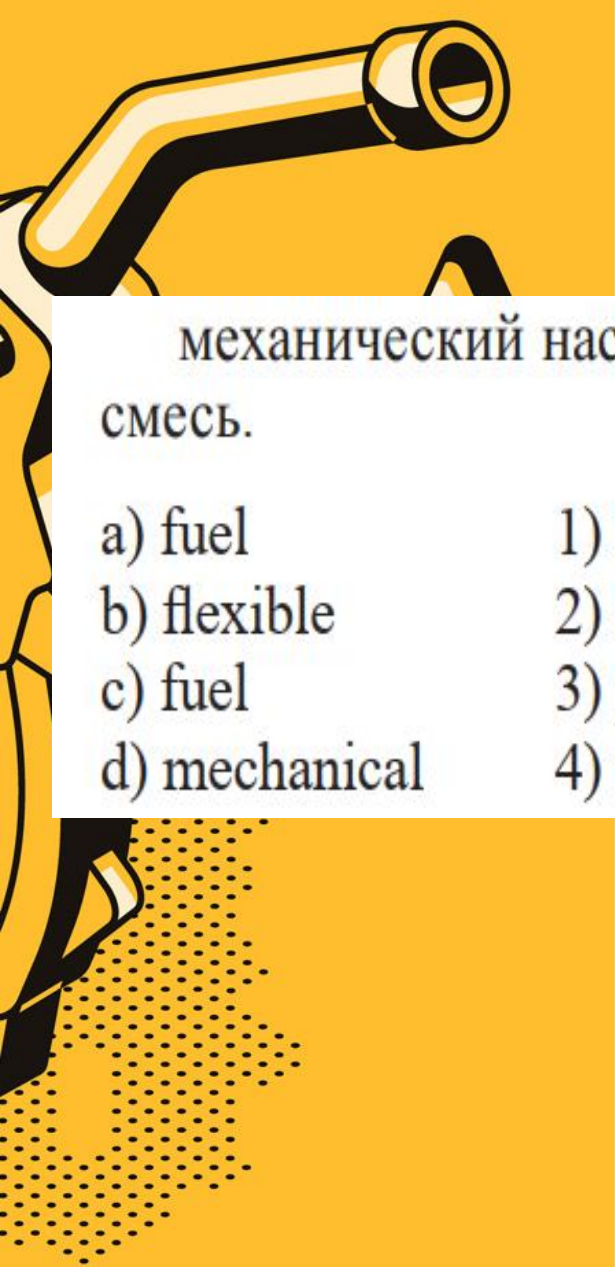


Match the questions (1-4)
with the answers (A-D).

1. What is a carburettor used for?
2. What happens in the combustion chamber?
3. Where is the fuel mixed with the air?
4. What is a venturi?

- A. It's a special tube in the carburettor.
- B. In the carburettor.
- C. It's used for mixing fuel with air.
- D. The fuel mixture is ignited.

1-C
2-D
3-B
4-A



Match a-d with 1-4 to make up the word combinations

механический насос, гибкие шланги, топливный фильтр, топливная смесь.

- | | |
|---------------|------------|
| a) fuel | 1) hoses |
| b) flexible | 2) mixture |
| c) fuel | 3) pump |
| d) mechanical | 4) filter |

A-4

B-1

C-2

D-3

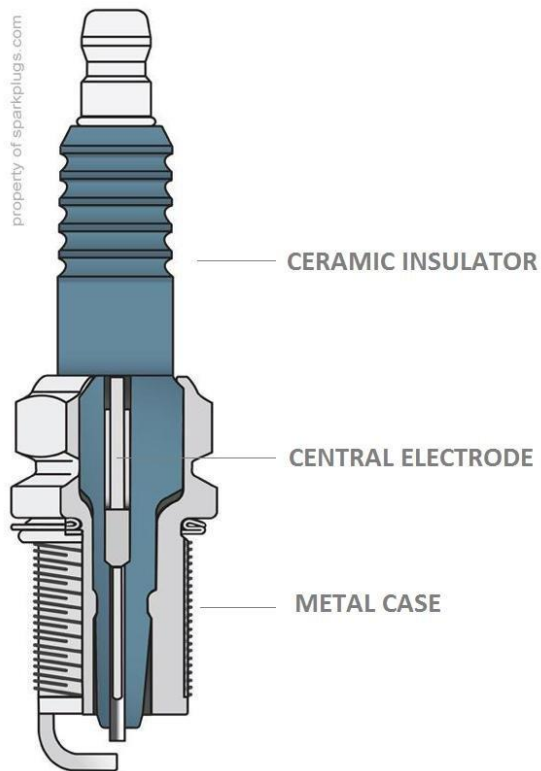


Answer the questions

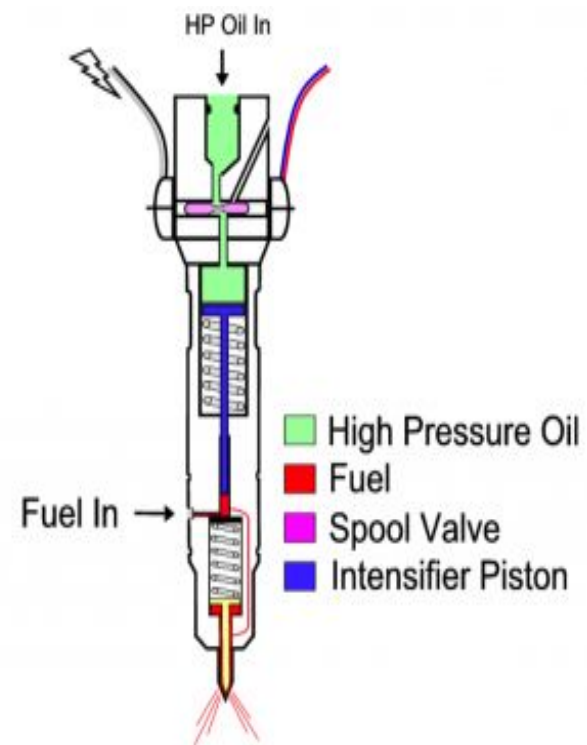
- What is importance of fuel supply in engine?
- What purpose are fuels used for?
- What components of the fuel supply system do you know?
- What kind of fuel pumps do all fuel injected cars use today?
- What is the function of the fuel injector?
-



SPARK PLUG



FUEL INJECTOR



Упражнения для уставших глаз



Reading



Harris & Sons Auto

Date: April 18 **Customer:** Charles Warner
Make: Tolento **Model:** Racer **Year:** 2006

Area of Inspection:
fuel system (Type: **gasoline direct injection**).
Customer notes: Customer suspects the **fuel injection** system is malfunctioning.

REPORT

Fuel lines: Visually checked steel and rubber **fuel lines**. Removed hoses and clamps and checked for damage. Two hoses were replaced.

Filters: Removed and replaced the **fuel filter**. Removed and replaced the **air filter**.

Pumps: Checked **fuel pump** operating pressure.

Lines: Checked condition of fuel lines going to **fuel tank**. Checked hoses carrying fuel to injectors.

Injectors: Checked and cleaned **fuel injectors**.

Air Intake: Cleaned **cold air collection box**.

Carburetor: No carburetor on this model.

Inspection summary: The fuel system had not been serviced since purchase. Two rubber hoses had signs of wear and small cracks. The fuel injectors were slightly clogged. Mr. Warner is advised not to drive with little fuel in his tank to reduce the amount of sediment in fuel injectors.



- 4 Fill in the blanks with the correct words and phrases from the word bank.

word BANK

fuel system
cold air collection box
fuel filter **air filter**
gasoline direct injection


- 1 The function of a(n) _____ is to remove impurities from fuel.
- 2 A(n) _____ is used to remove dirt from air that mixes with fuel.
- 3 The _____ contains the air filter.
- 4 The _____ uses a pump to deliver fuel to the engine.
- 5 With _____, fuel is sent directly into the cylinder.



Verbs in passive voice

- (to be) removed
- (to be) replaced
- (to be) checked
- (to be) cleaned
- (to be) serviced
- (to be) damaged
- (to be) repaired

Listening

6  Listen to a conversation between a mechanic and a car owner. Choose the correct answers.

- 1 Why does the man apologize?
 - A He cannot fix the damage.
 - B He has to delay the repairs.
 - C He thinks the work will be expensive.
 - D He accidentally damaged the fuel system.

- 2 Why must the fuel tank be replaced?
 - A It was punctured.
 - B It has too much rust.
 - C It has damaged hoses.
 - D It was installed incorrectly.



7  Listen again and complete the conversation.

Customer: Oh, good. So, how does it look?

Mechanic: Not good. Your car needs a lot of work. 1 _____, but the estimate looks pretty expensive.

Customer: Wow, 2 _____? What's wrong with my car?

Mechanic: Well, the fuel system has big problems. There's a fuel leak. Some of the fuel lines need to be replaced.

Customer: Still, a few hoses can't 3 _____ money, can they?

Mechanic: The hoses are 4 _____.

Customer: There are more problems?

Mechanic: 5 _____. The fuel tank has some serious 6 _____. I think it's dangerous to leave it in.

Customer: Are new tanks expensive?

Mechanic: They're not cheap. And the time for the repairs will cost money too.



Speaking

Speaking

- 8 With a partner, act out the roles below based on Task 7. Then switch roles.

USE LANGUAGE SUCH AS:

So, how does ...? / What's wrong with ...?

The hoses are ...

Student A: You are a mechanic. Talk to Student B about:

- a damaged fuel line
- parts to be replaced

Student B: You are a car owner. Talk to Student A about the cost of repairs.



Writing

(homework)

Writing

- 9 Use the conversation from Task 8 to fill out the following mechanic's report.

Murphy's Garage

Inspection Report

Parts checked: _____

Problems: _____

Recommended repairs: _____