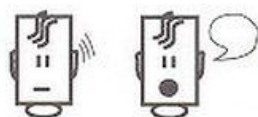


PART I



■ LISTEN AND READ.

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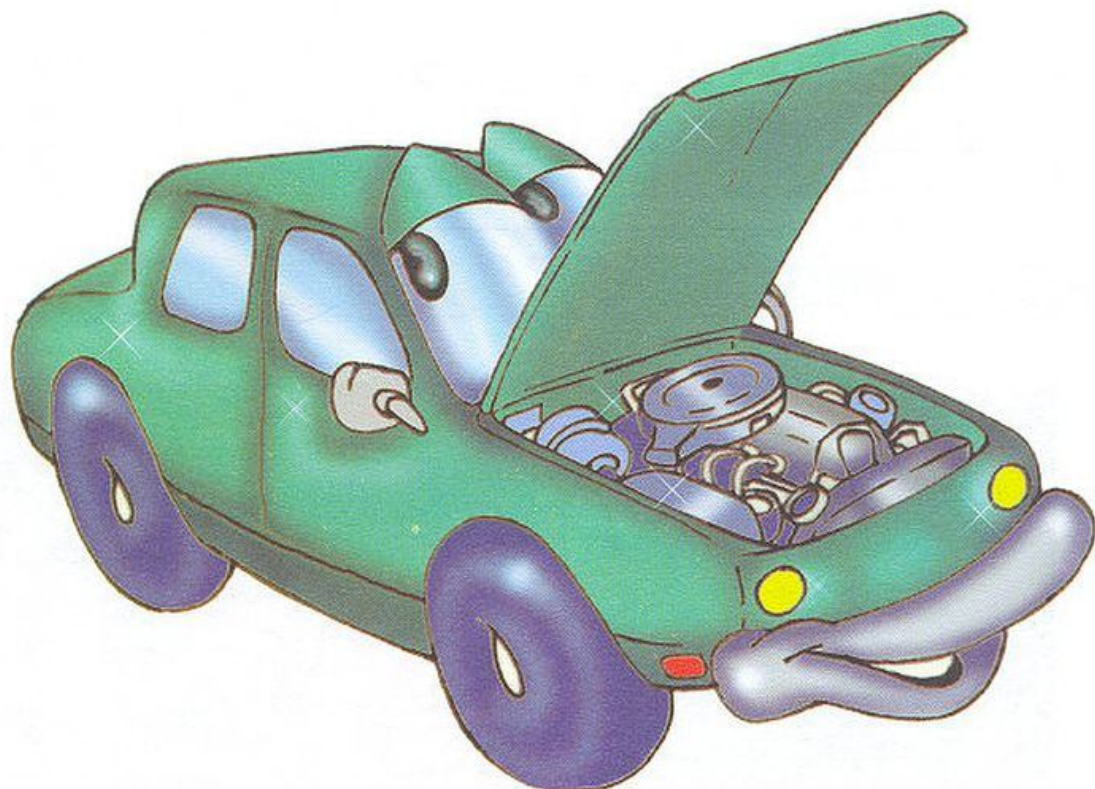
Lesson
twenty three

Twenty Third
(23rd) Lesson

THE AUTOMOBILE ENGINE

The automobile engine is a source of power that makes the wheels go around. It is an internal-combustion engine because the gasoline (fuel) is burned inside it. This produces high pressure in the engine combustion chambers, forcing the pistons to move; the movements are carried by connecting rods to the engine crankshaft. The crankshaft is thus made to rotate. The rotary motion is carried through the power train to the wheels so that they rotate and the car moves. The engine requires a fuel system to supply it with a mixture of air and fuel. The fuel system pumps liquid gasoline with air. The mixture is delivered to the engine, where it is burned. The engine pumps gas from a tank into the carburetor, a mixing device that mixes the gasoline, also needs a cooling system to take heat away from the engine by circulating a liquid coolant between the engine and the radiator.

The engine includes a lubricating system to supply all moving parts inside the engine with lubricating oil. The engine requires an ignition system, which provides high-voltage-electric sparks that ignite the charges of air-fuel mixture in the engine combustion chambers.



■ ANSWER:



1. What does the reading deal with?

2. What does the fuel burned inside the engine produce?

3. What is the carburetor?

4. How does the cooling system of an engine work?

5. What does the lubricating system do?

PART II



DIALOGUE AT THE MECHANIC'S SHOP

JOE: Hello, Mrs. Stephenson. Your car's ready.

MRS. STEPHENSON: What was the problem, Joe?

JOE: We replaced the alternator and put in a new battery.

MRS. STEPHENSON: Did you check the brakes?

JOE: Yes, I had to adjust the brakes and the clutch.

MRS. STEPHENSON: And the oil?

JOE: Yes, we greased all the points.

MRS. STEPHENSON: Were the hoses okay?

JOE: Yes, no problem. I had to balance the wheels. They were out of alignment.
I rotated the tires and put the old ones on the back. You need new tires, and a new spare.

MRS. STEPHENSON: How much do radial tires cost?

JOE: You can get good ones for about \$50 each.

MRS. STEPHENSON: I'll tell Mr. Stephenson tonight. How much is the bill, Joe?

JOE: The repairs are \$160 for the spare parts and \$100 for labor. And \$60 for the service.
That'll be \$220 and remember, your battery has a two-year warranty.

MRS. STEPHENSON: Will you take a check?

JOE: Yes, make it out to Joe's Auto Service.

MRS. STEPHENSON: O.K. Here you are. Thanks a lot.





■ ANSWER:



1. Where is Mrs. Stephenson's car at the moment?

2. What was wrong with the brakes?

3. Did they change the oil? What else did they check?

4. Why did Joe have to balance the wheels?

5.- Which tires did he put on the back of the car?

6. How much did Joe charge for the job?



PART III

FUNCTION: ARRANGEMENTS-INVITATIONS



■ OBSERVE.

1. Making Arrangements:

I was wondering [if
whether] Monday would be [convenient
possible] for you.
we could meet on Monday.

Would it be [possible
convenient] for Tom to work on Saturday?

2. Extending Invitations:

- Would you like to go dancing tonight?
- Would you be interested in playing tennis this afternoon?

3. Responding to Arrangements and Invitations:

No, I am afraid [- I will not be able to...
- I cannot manage to...
- Monday will not be convenient.
- It will not be possible for Tom..]

Yes, [- I would be delighted to...
- I would love to...
- It will be possible for him to...]



Here you have some situations concerning invitations or arrangements.
What would you say in each case? Consult the lists of functions on the previous page.

■ WRITE COMPLETE DIALOGUES.

1. Your cousin has asked you to stay for the weekend. Accept.



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2. A friend has asked you if you could arrange a party for some visitors he has. Refuse.



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vocabulary

■ WRITE A CONVERSATION BETWEEN A MECHANIC AND YOURSELF USING THE FOLLOWING WORDS:

SPARE, ADJUST, REPAIR, SERVICE, CHARGE, CONVENIENT, LABOR, BATTERY, PROVIDE, DELIVER

