

<<汽车专业英语>>

图书基本信息

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前言

目前,汽车专业英语教材主要是面向高校本科学生,而针对汽车运用工程专业高等职业技术教育的专业英语教材至今仍然是空白。

鉴于高职高专学生的培养目标与普通高等教育的学生有所不同,因此现有的汽车专业英语教材并不适用于高等职业技术教育。

为充分适应高等职业技术教育的特点,特编写本教材。

汽车专业英语课程旨在使学生通过一定学时的专业英语学习,巩固已经掌握的基本词汇和语法知识,扩大专业词汇,掌握科技文章的语法结构及文体方面的知识,提高英语应用能力,使学生能够以英语为工具,获得专业所需要的信息。

本教材在内容上分为两大部分,第一部分课文介绍汽车各部件结构原理;第二部分阅读材料主要介绍汽车维修方面的内容。

这样编排的内容针对性强,实用性好。

同时,在课文的编排上还尽量照顾到汽车专业知识学习的系统性,基本上按汽车结构分类进行编排,并选编了汽车维修与检测资料及文献检索的内容。

课文内容及阅读材料还选编了一些现代汽车新技术方面的内容,如电控汽油喷射、自动变速器、ABS防抱死制动系统等,使学生通过专业英语的学习,不仅能够提高英语的应用能力,还能进一步扩大对新技术的知识面。

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内容概要

本书以汽车构造为基础，着重选编现代汽车维修与检测方面的资料。

按汽车结构分类进行编排，共分20个单元。

每个单元包括课文、词汇、注释、练习和阅读材料。

本书可作为在校汽车运用工程专业及其相关专业的高职学生专业英语课程的教材，亦可供汽车维修与检测行业的从业者以及汽车爱好者自学参考。

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The tiny jets in the fuel injectors can meter fuel only if they are clean. The fuel filter also needs attention. Replace the filter, as shown in the service manual: Replace the filter if you find dirt in the fuel system. Do not service the control unit unless you have the proper test equipment and training. Never remove the control unit for service. Bring it in with the car, even if the car must be towed. Most problems in the control unit can be solved only with electronic diagnostic equipment. Proper fuel pressure is important to the operation of EFI systems. Pressure that is too low or too high changes the amount of fuel delivered to the cylinders. Low pressure causes lean running; High pressure causes an overly rich mixture. In the L-type system, manifold vacuum affects fuel pressure. As you may recall, fuel pressure increases as a driver accelerates and decreases when the foot leaves the accelerator. To check fuel pressure in this system, connect a fuel pressure gauge. Then disconnect the vacuum hose from the pressure regulator. With the engine running, the pressure gauge shows 241 kPa. When you reconnect the vacuum hose, the pressure should drop to 193 kPa. If it does not, adjust the screw on the regulator. A common way to service the EFI system is to replace parts, starting with the control unit and continuing until the system works properly. This, however, is an expensive way to solve a problem. You can solve EFI system problems more economically by using the electronic test equipment. This equipment will pinpoint the problem. You can then replace the defective parts. For example, check the fuel filter and replace as shown in the manual. You should suspect a blocked fuel filter if fuel pressure is low and cannot be adjusted to its correct level. The filter is in the fuel line, near the fuel pump. Replace the filter and make sure you install the new filter in the proper direction: Always check the fuel pressure after you install a new filter.

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