

宝马 730Li 车身损伤的类型及车身修复具体操作方 法

摘 要

进入新世纪,人民的消费水平不断提高,很多工业领域也伴随着发展起来,特别是汽车工业,在近几年的数据统计中,能够了解到国内汽车的使用量正在不断提高,这也导致了国内交通违章以及交通事故的频繁发生。因为以上问题的经常发生,使得汽车车身修复行业发展起来了,街道上出现了多种维修站,这些维修站主要是针对汽车车身修复的,与此同时很多对汽车修理厂以及很多的汽车美容店相继推出了钣金维修业务,这也使得很多高校开始增设汽修的相关专业,尤其是在大专或者高职类院校中有尤为突出,在汽车售后服务中也必将加入汽车车身修复这一保修项目。在汽修的服务范围内,钣金的维修可以被看做是非常重要的,完全可以将其定义为维修作业的基础,特别是针对轿车的车身钣金修复,轿车的车身结构特点是壳体式框架结构,在壳体中一旦出现支承、连接板或者其他部件变形,都会对轿车的自身性能带来坏的影响。在当代汽车的生产中,已开始大范围的应用机器人,尤其是在钣金成型工艺中,以往的手工方法已经不在占据主要地位,仅仅作为工艺的补充环节。

关键词: 车身修复; 钣金

Abstract

The technology of automobile body painting and repairing becomes more and more important. This paper mainly focuses on the whole process of repair and coating of the high-end vehicle series of Land Cruiser VX-R of Japan Toyota brand. Detailed analysis and research are carried out for each process, including pretreatment of damaged surface, preparation of pearl paint water-based paint, spraying of pearl paint water-based paint, finishing polishing and a series of processes. This paper analyzes the nonstandard operation in Chinese spraying industry and the disadvantages existing in the whole industry, and at the end of this paper introduces the causes of paint surface diseases after some spraying operations and the solutions. I hope this paper can make a modest contribution to the aftermarket of China's automobile industry. In this paper, the development course of automobile coating is introduced briefly, focusing on automobile repair coating and color difference control of coating, and the color development knowledge of BMW red metallic paint is introduced. Through the investigation and visit to BMW 4S shop, it is learned that in the painting work, technicians generally reflect that there are many color difference problems in the actual maintenance of red metallic paint. Subsequently, by simulating the repair coating process conditions in the laboratory, the influencing factors of color difference are found. Finally, the construction process of BMW red metal repair paint workshop standard is given and demonstrated in the maintenance.

Keywords: car ownership; body repair

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