
EA211 涡轮增压发动机冷却系统设计

摘要: EA211 发动机是市面上应用非常广泛的发动机型号，大众汽车涡轮增压发动机技术一直朝向小排量的方向发展，早期的 EA111 发动机装配在速腾和明锐上，赢得了用户的认可。大众继 EA111 之后，又推出了全新的 EA211 发动机。这款发动机弥补了上一代产品的缺点，现在奥迪的小排量车型都在使用它，EA211 系发动机可以说是 EA111 系发动机的升级版，相对于 EA111 发动机来说，EA211 发动机更省油，因为其采用的是铝制缸体加铸铁内衬的形式，这可以让 EA211 在重量上就相比于前代减轻了 20 多公斤，在燃油性能上能更为的强悍。

关键词: 散热器；节温器；冷却风扇；水泵

Design of EA211 Turbocharged Engine Cooling System

Abstract : EA211 engine is a very widely used engine model in the market, volkswagen turbocharged engine technology has been developing towards the direction of small displacement, early EA111 engine assembly in the speed and sharp, won the approval of users. VW followed EA111 with a brand new EA211 engine. The engine makes up for the shortcomings of the previous generation, and now Audi's small-displacement models are using it, EA211 is arguably an upgraded version of the EA111 engine, which is more fuel-efficient than the EA111 engine because of its adoption Aluminum cylinder block with cast iron lining allows the EA211 to lose more than 20 kilograms in weight and be more robust in fuel performance than the previous generation.

Key words: radiator; thermostat; cooling fan; water pump

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