Инструкция выполнения: Выполнить перевод текста «Automatic and mechanical transmission». Выполненное задание предоставить преподавателю Королевой Александре Андреевне на адрес электронной почты. Эл.почта: evseeva14alex@gmail.com. Работа может быть выполнена в формате txt, doc, docx или фотография, выполненной работы на бумажном носителе.Mechanical transmissions

**«Automatic and mechanical transmission»**

In mechanical transmissions, power in all modes of motor operation is transmitted only through various mechanical rotational gears: gears, chain transmissions, planetary gears, friction clutches, shafts, joints, etc. Mechanical transmissions have the highest efficiency among others, the least weight, most simple to manufacture.

The term "mechanical transmission" in speech usage can have a double interpretation. In view of the fact that when considering the design of a car in the context of evaluating its consumer or operational qualities, one of the most important parameters is the type of gearbox, a mechanical transmission of a car is often understood as a transmission with a manual gearbox - that is, a gearbox in which there is no auxiliary hydraulics or electronics, and the gearshift is carried out by the driver. And the whole set of elements that transmit power from the engine to the wheels, in this case, is simply called a “transmission" without an additional definition of "mechanical". That is, the type and design of the gearbox is crucial for the classification of the transmission of a particular machine. The antipode of a mechanical transmission when using the criterion for evaluating the type of gearbox is an automatic transmission. This classification into two classes is widespread not only in conversations, but also in the technical literature on automobiles, and therefore has a right to exist.

Automatic transmissions

Under such in the context of application on vehicles is meant a transmission capable of automatically changing the overall gear ratio of the flow transmitted by rotation of power. In the case of a step change in the gear ratio, the main executive unit of the automatic transmission isautomatic gearbox. In the case of stepless - variator. Automatic transmission can be either mechanical or hydromechanical. In the second case, a torque converter is necessarily present in the hydromechanical automatic transmission.