



Things Every Automatic Transmission Car Owner Should Know About Torque Converter

We buy the car we like. We spend a hefty amount on it. However, many car owners, in spite of owning expensive cars, are not aware about key parts or components of their car. In this article, we will talk about one such component. What is that component? It is the torque converter. Many car owners have heard about torque converter such as [4L60E converter](#) but do not actually know what it does or what its role is in a automatic transmission. In this article, we will tell you key things about this critical component. We have listed some points of this purpose. Let's take a look at them.

- **Definition** - First of all, you will find this component in most automatic transmissions. It is one of the most crucial engine components. Its internal parts stay hidden and rarely see the light of day. In manual transmissions, it is the clutch that joins the engine with the transmission. If this connection does not exist, the car won't be able to stop without killing the engine. However, in automatic transmissions, this connection is established by torque coverter instead of clutch. Torque converter uses fluid to move power to the transmission, which assists in keeping the engine from stalling
- **Innards** - We already know it is an engine component that links the engine with the transmission. It looks a lot like a doughnut. Within the torque converter, you can find two curved blades. These blades face toward opposite direction from each other. Most of the space inside the converter is occupied by the transmission fluid, whose job is to move power from the engine to the transmission. The reason why people prefer to go with automatic transmission is, it contains torque converter, which is known for its efficiency. It is efficient because its blades are quite accurately engineered, which helps in transfer of energy
- **Operation** - If you're confused how can fluid play a massive role in transmission of power or move a thing as big and heavy as a car, you are not alone. Many find it difficult to understand. We will explain it you. Torque control is achieved with the help of a pump. This control is obtained by moving the fluid around the torque converter, which is dictated by the crankshaft's rotation. There is also a turbine present in the housing, which starts rotating as soon as pumped fluid touches the turbine vanes. This last feature helps in measuring the amount of torque that reaches the transmission via input shafts

By now, you must have got a fair idea about what torque converter is and what it does. If you want a better torque converter for your car, we will advise you to get a rebuild automatic transmission online that comes with a torque converter. There are makers online that sell such transmissions.