

## Torque Converter

The torque converter transmits and multiplies torque. The torque converter is a 4-element device:

- Impeller assembly
- Turbine and damper assembly
- Reactor assembly
- Clutch

The standard torque converter components operate as follows:

- Rotation of the converter housing and impeller sets the fluid in motion.
  - The turbine reacts to the fluid motion from the impeller, transferring rotation to the geartrain through the input shaft.
  - The reactor redirects fluid going back into the impeller, allowing for torque multiplication.
  - The clutch and damper assembly dampens powertrain torsional vibration and provides a direct mechanical connection for improved efficiency.
  - Power is transmitted from the torque converter to the planetary gearsets and other components through the input shaft.
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