

# Download How Manual Transmissions Work

How Manual Transmissions Work. For example, an engine might produce its maximum horsepower at 5,500 rpm. The transmission allows the gear ratio between the engine and the drive wheels to change as the car speeds up and slows down. You shift gears so the engine can stay below the redline and near the rpm band of its best performance. Working of a Manual transmission is explained in an illustrative and logical manner in this video with the help of animation. How a Manual Transmission Works. A manual transmission helps a vehicle achieve a desired speed through the use of gears, a clutch, and a shifter. It works like this: when the driver wants to shift gears, he or she pushes in the clutch pedal while letting off the gas. This disengages the clutch within the transmission, ... Ever wonder how your transmission knows to shift gears? Why is it that when you stop, the engine doesn't die? We're here to show you how cars work. We recently looked at manual transmissions.