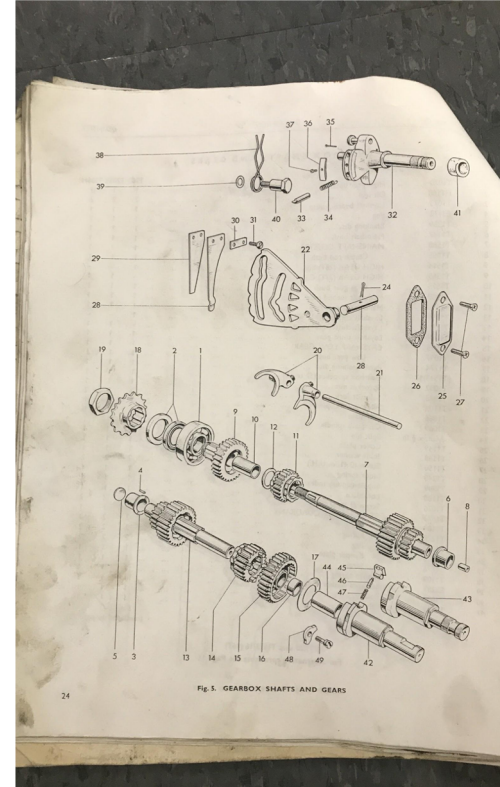
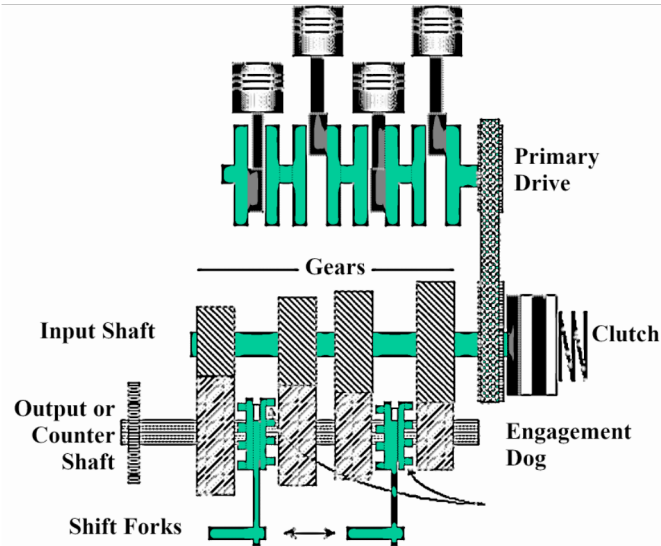
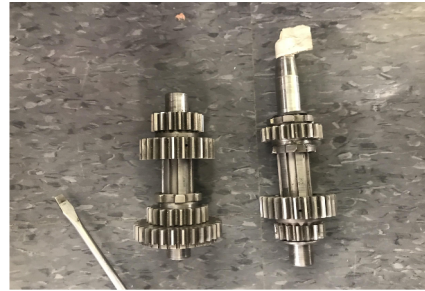
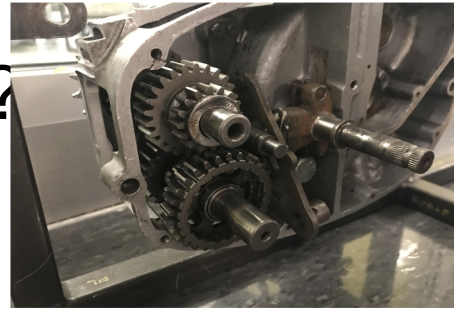


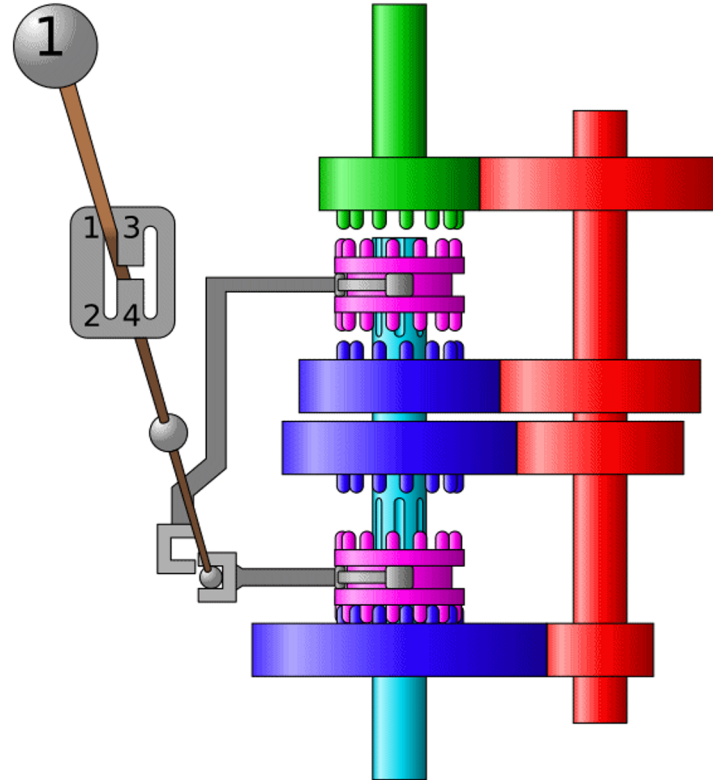
Transmission Team

Kate Gross-Whitaker and Jacob Bleil

What is the transmission?

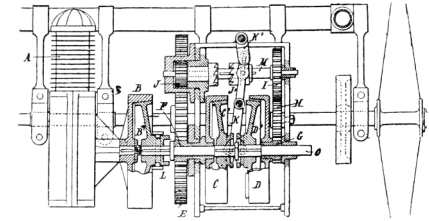


Basic Manual Transmission



History

- French inventors Louis-Rene Panhard and Emile Levassor, 1894
 - Renault: Chain drive versus drive shaft
- Cadillac: synchronized manual transmission
 - sliding mesh gears versus synchromesh gearbox
- Buick Dynaflo: first fully automatic transmission
 - Automatic vs Manual
 - Benefits of Manual
- Started with three speed transmission, then have added throughout the later 20th century



Cherrier Two-Speed Gear, 1900

Panhard and Levassor's attempt at a front drive axle.



<https://itstillruns.com/history-manual-transmissions-5163365.html>

https://en.wikipedia.org/wiki/Manual_transmission

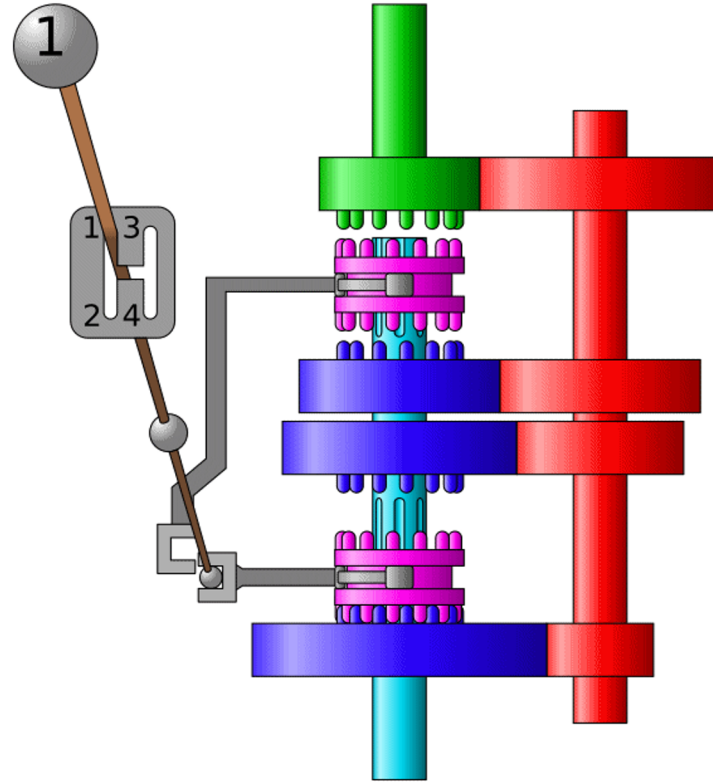
<https://driving.ca/chevrolet/corvette/auto-news/news/hail-hydra-matic-the-rise-of-the-automatic-transmission>

<http://prod.lv2014.gener8cms.net/index.php/48-disc-brakes/section-4/tranpr/1883-history-of-manual-transmissions>

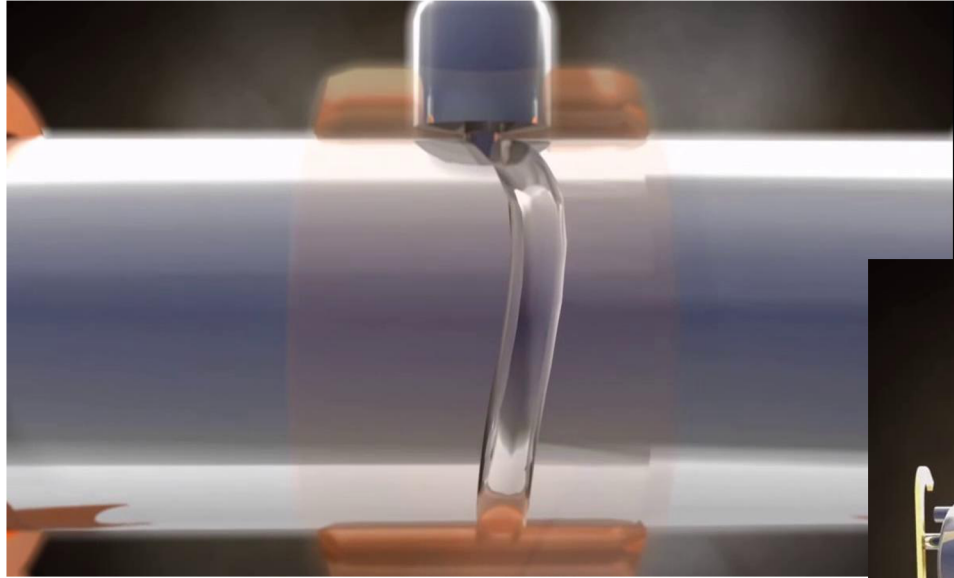
Basic Motorcycle Transmission Video



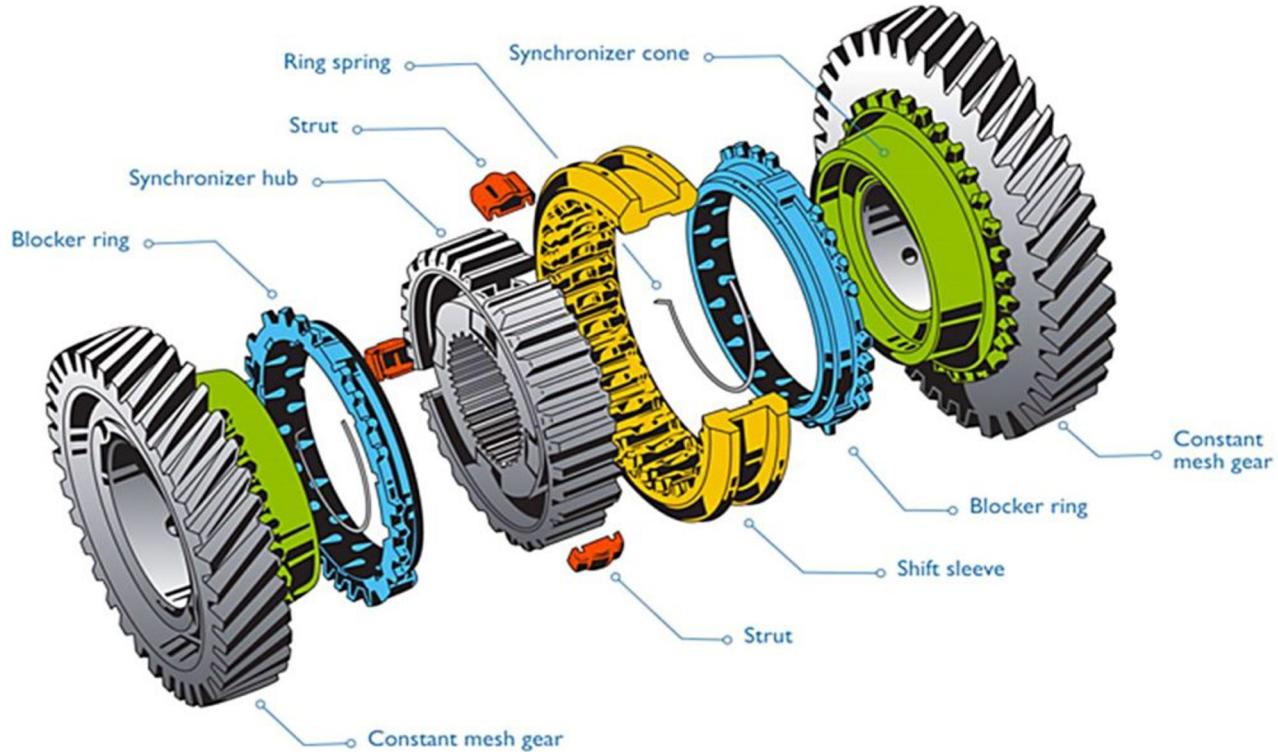
Basic Manual Transmission



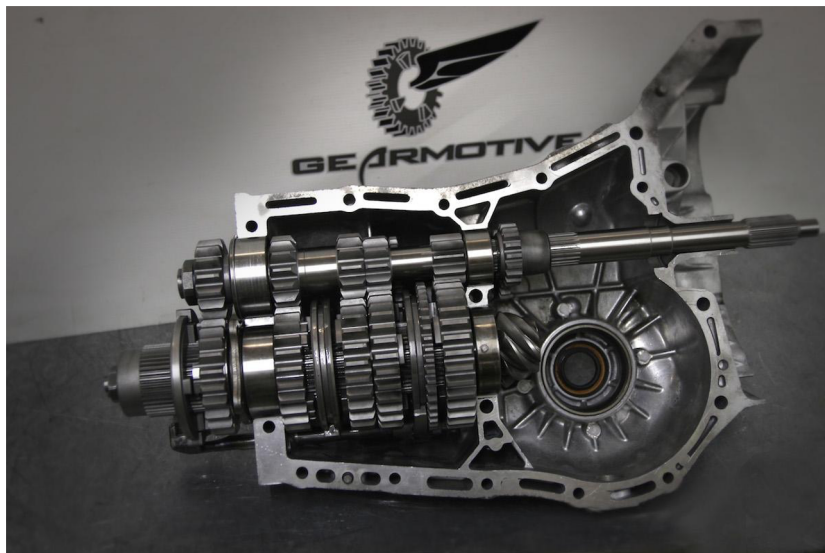
Motorcycle Transmission (Sequential)



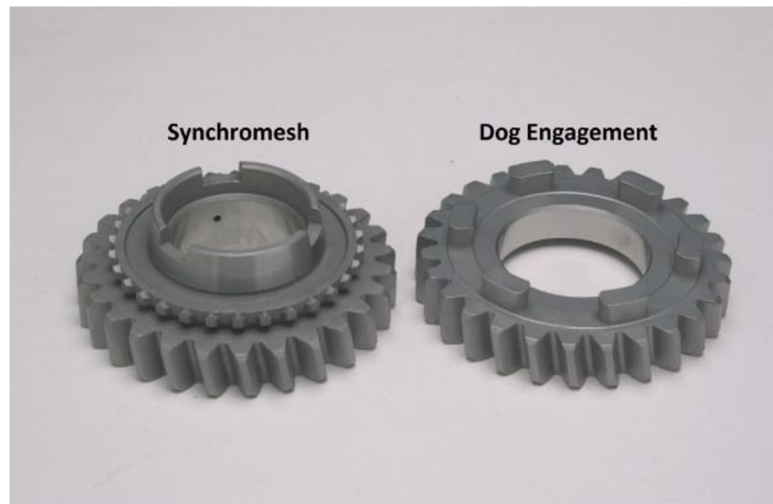
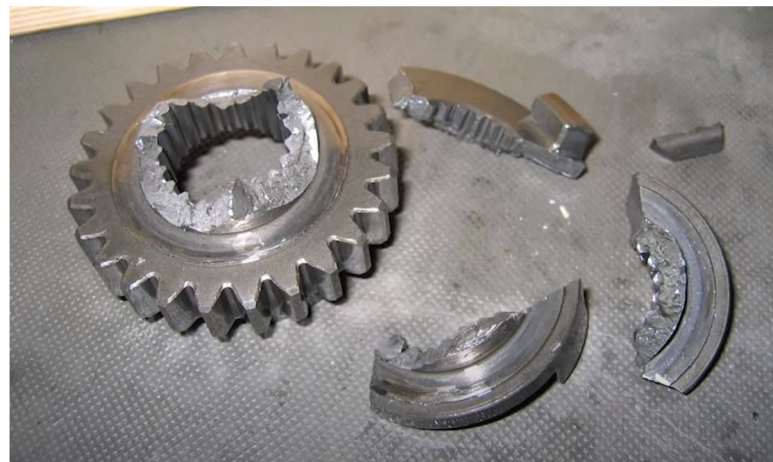
Synchronizers (Synchromesh)



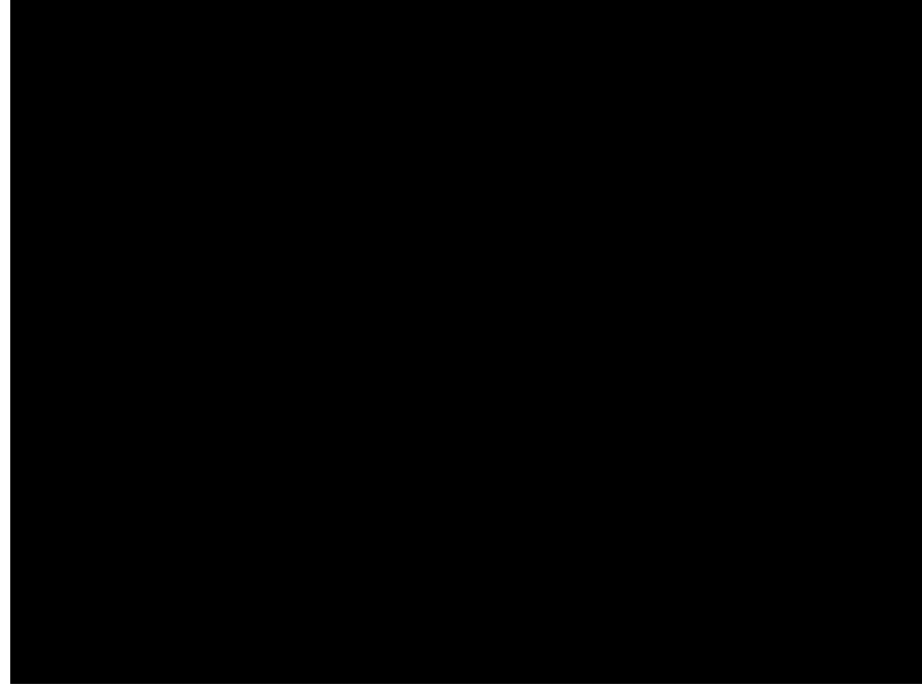
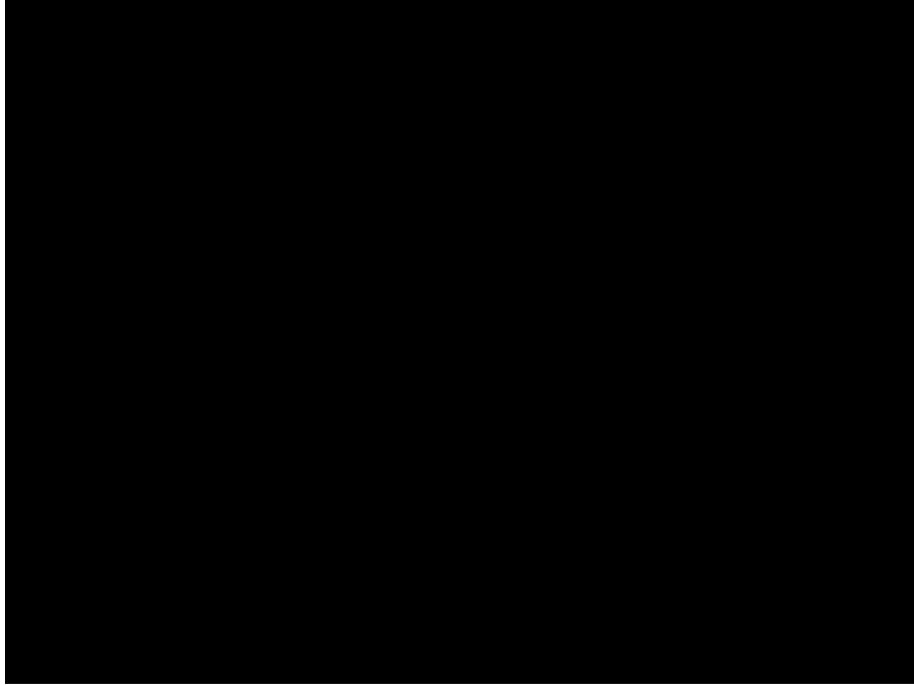
Racing Transmissions



“Dogbox”



Continuously Variable Transmission (CVT)



Questions?