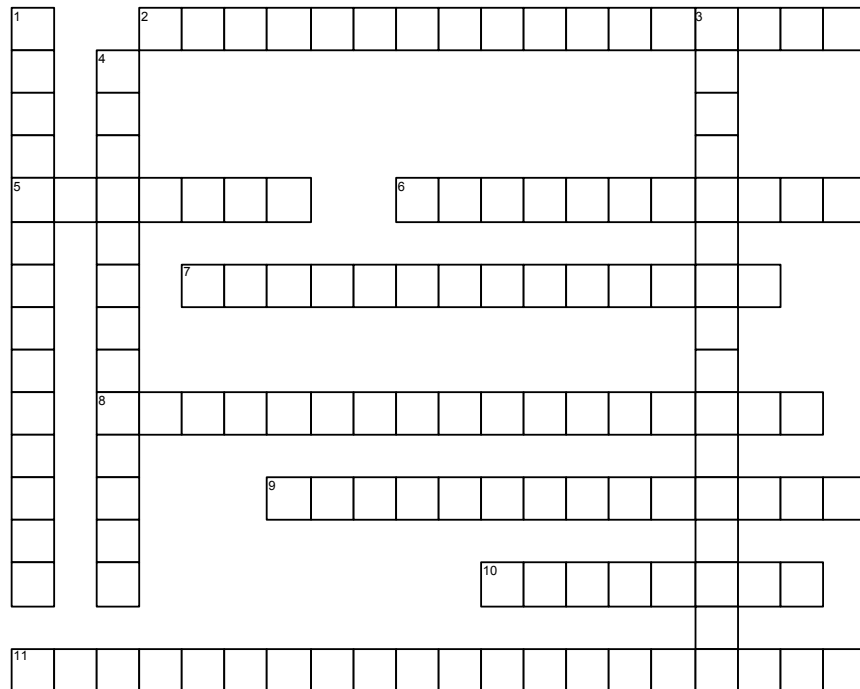


Power Flow Through Transmission Gear Sets

Chapter 6



<http://jameshaldeman.com>

ACROSS

- 2 _____ are able to provide neutral, one or more gear reductions, direct-drive ratio, reverse, and overdrive.
- 5 The _____ gets its name from its position at the center of the gear set.
- 6 A _____ design transmission means that during an upshift, the new driving or reaction member must be timed or synchronized with the release of a driving or reaction member.
- 7 In two-speed Ravigneaux transmissions, the small _____ is attached to the input shaft so it is always an input.
- 8 The _____ combines one carrier that has two sets of planet gears with two sun gears, and one ring gear.
- 9 A _____ transmission is a unit that uses a one-way clutch to allow an upshift that requires only the application of the next driving or reaction member.
- 10 The outermost member of the gear set is the _____, an internal gear with teeth on the inside.
- 11 A Ravigneaux gear set and a simple planetary gear set can be combined to get six, seven, and eight speeds and is known as the _____.

DOWN

- 1 The _____ combines one sun gear with two carriers with planet gears and two ring gears.
- 3 In two-speed Ravigneaux transmissions, the large sun gear, called the _____, is either a reaction member or an input member.
- 4 The _____ holds the pinion gears, which revolve around the sun gear.