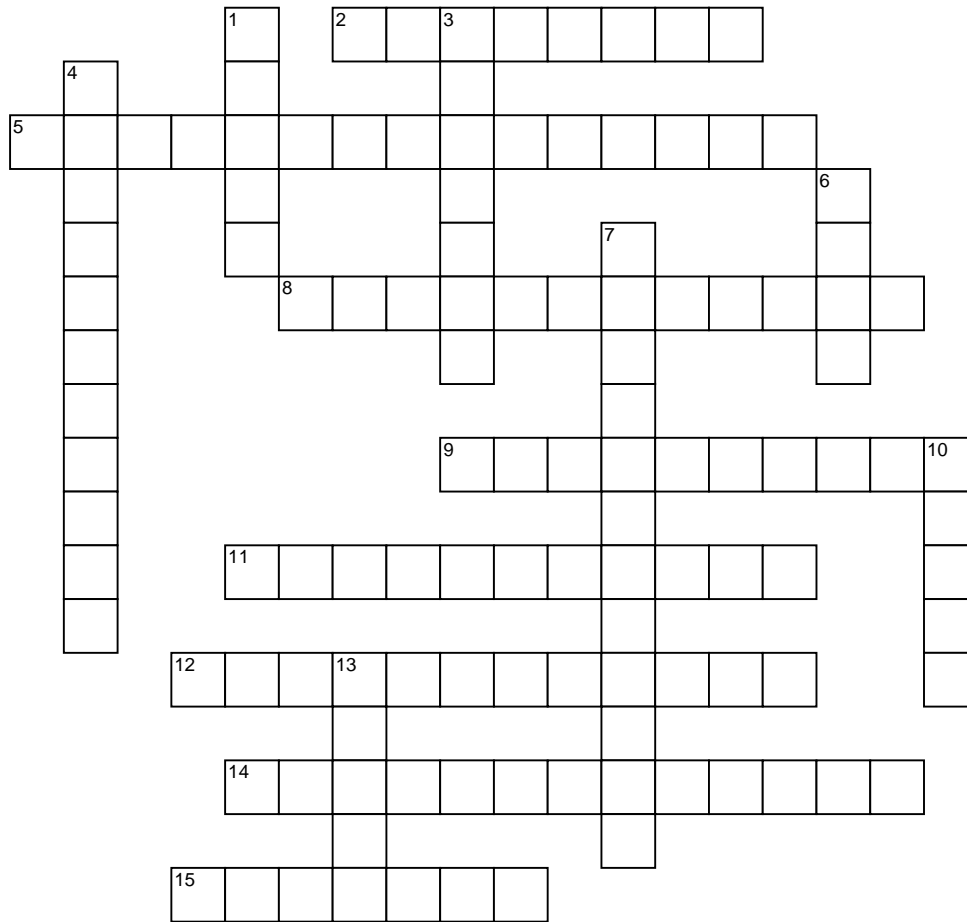


# Clutch Components and Operation

## Chapter 3



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### ACROSS

- 2 The release ( ) bearing rides on the transmission front bearing retainer.
- 5 The \_\_\_\_\_ reduces the torsional vibrations that result from the uneven engine power impulses from the rest of the drivetrain.
- 8 A \_\_\_\_\_ is simply a flat, heavy ring usually made from nodular cast iron.
- 9 A clutch assembly consists of a \_\_\_\_\_ that is splined to the input shaft of the transmission/transaxle.
- 11 A \_\_\_\_\_ position switch is used to signal the starter circuit that the clutch is disengaged which prevents starter operation unless the clutch pedal is depressed.
- 12 The \_\_\_\_\_ helps to absorb the initial shock of rapid engagement and allows for a smooth engagement of the clutch.
- 14 Mechanical linkages use a series of \_\_\_\_\_, to move the release fork against the throwout bearing.
- 15 A flywheel is heavy, or has a large mass, which creates \_\_\_\_\_.

### DOWN

- 1 The release bearing is often supported and rides on the front bearing retainer (release bearing support shaft), also called a \_\_\_\_\_, or candlestick.
- 3 The \_\_\_\_\_ levers provide a means of compressing the spring(s) and pulling the pressure ring away from the disc.
- 4 \_\_\_\_\_: uses a round closed cover with three wide stamped-steel release levers and up to 12 springs with six evenly spaced mounting holes.
- 6 \_\_\_\_\_: uses a triangle-shaped cover with three narrow, forged-steel release levers, which extend through the cover and often have weights on them.
- 7 The release bearing is often supported and rides on the \_\_\_\_\_ retainer (release bearing support shaft), also called a quill, or candlestick.
- 10 \_\_\_\_\_ linkages consist of a steel cable attached to the clutch pedal.
- 13 The \_\_\_\_\_ (hat) is the stamped-steel housing that transmits the torque from the flywheel to the pressure ring.