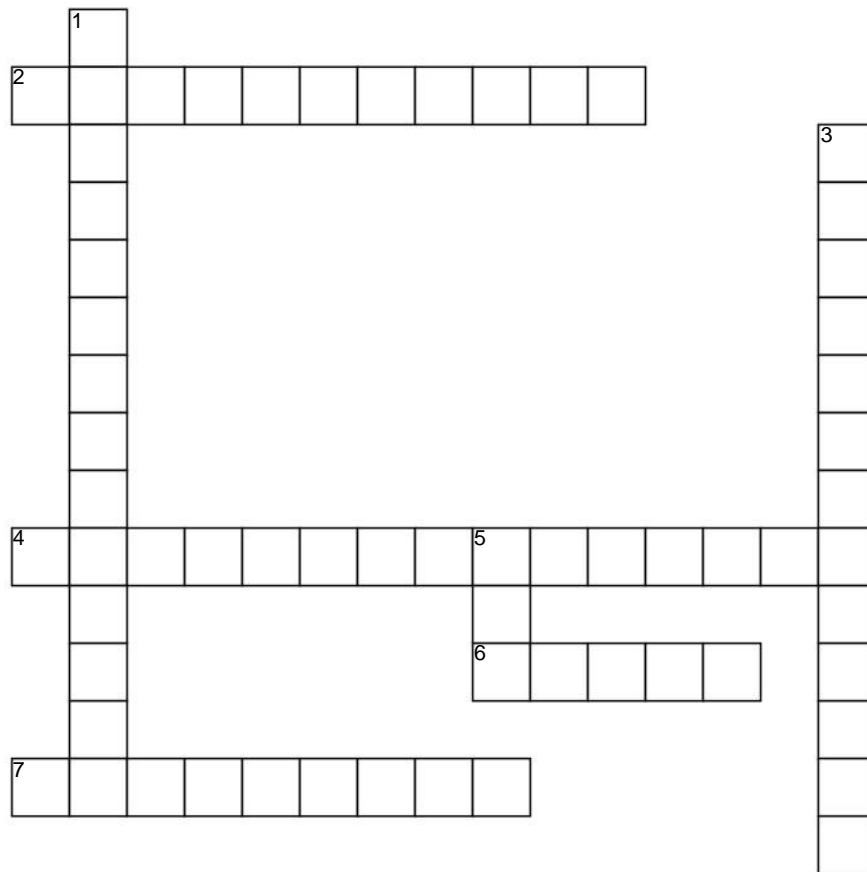


# Vibration and Noise Diagnosis and Correction

## Chapter 20



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### ACROSS

- 2 A punch mark or scratch used to position or locate some part in its proper spot. The mark is made on each half of the assembly so that upon reassembly the marks can be lined up.
- 4 a pipe flange threaded internally to receive a pipe length and drilled so it may be bolted to another like flange; sometimes.
- 6 the SI unit of frequency, equal to one cycle per second.
- 7 the rate at which something occurs or is repeated over a particular period of time or in a given sample.

### DOWN

- 1 Order analysis is a technique for analyzing sound and vibration signals from rotating or reciprocating machinery, such as engines, compressors, turbines, and pumps.
- 3 the enclosing boundary of a curved geometric figure, especially a circle.
- 5 this is a measure of vehicle "feel" and is a combined measure of (1) the noise level in the car during driving; (2) the vibration that can be felt by the customer during driving; and (3) the harshness of the vehicle ride during abrupt transitions in vehicle motion