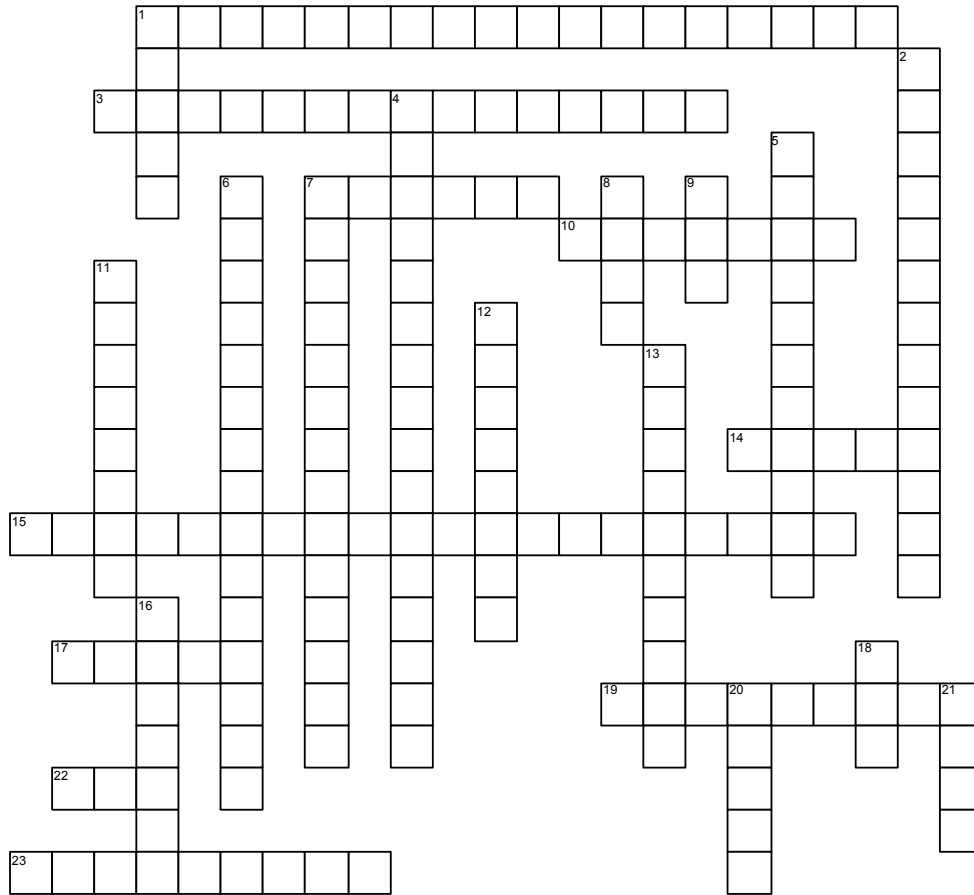


# Fasteners And Thread Repair

## Chapter 3



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### ACROSS

- 1 Interior door panels and other trim pieces are usually held in place with plastic clips called \_\_\_\_\_.
- 3 \_\_\_\_\_ is the maximum stress used under tension without using failure of the fastener.
- 7 Another name for a jam nut is a \_\_\_\_\_.
- 10 \_\_\_\_\_ screw on top of a regular nut to prevent loosening.
- 14 Automotive service technicians usually refer to fasteners as \_\_\_\_\_, regardless of how they are used.
- 15 Most "locking nuts" are grouped together and are commonly referred to as \_\_\_\_\_.
- 17 The strength or classification of a bolt is called the \_\_\_\_\_.
- 19 \_\_\_\_\_ are not threaded fasteners, but instead attach with a springlike action.
- 22 A \_\_\_\_\_ is used to cut threads on round rods or studs.
- 23 Most of the threaded fasteners used on vehicles are \_\_\_\_\_.

### DOWN

- 1 The fastener size is measured across the outside of the threads, called the \_\_\_\_\_ of the thread.
- 2 A \_\_\_\_\_ looks like a small, stainless steel spring.
- 4 Another name for sheet metal screws are \_\_\_\_\_.

- 5 The size of a \_\_\_\_\_ is specified by the letter M followed by the diameter in millimeters across the outside of the threads.
- 6 \_\_\_\_\_ are tubular, case-hardened, solid steel wall pieces that are threaded inside and outside.
- 7 \_\_\_\_\_ is a lightweight lubricant similar to kerosene, which soaks into small crevices in the threads by capillary action.
- 8 \_\_\_\_\_ are used to cut threads in holes drilled to an exact size.
- 9 The fine fractional threads are called \_\_\_\_\_.
- 11 The most common type of rivet is called a \_\_\_\_\_ because as the rivet tool applies a force to the shaft of the rivet, it causes the rivet to expand and tighten the two pieces together.
- 12 One of the best known of the helical fasteners is the \_\_\_\_\_.
- 13 \_\_\_\_\_ are used to keep linkage or a threaded nut in place or to keep it retained.
- 16 \_\_\_\_\_ are often used under cap screw heads and under nuts.
- 18 The coarse fractional threads are called \_\_\_\_\_.
- 20 Standard combinations of sizes and number of threads per inch, called \_\_\_\_\_, are used.
- 21 A \_\_\_\_\_ is a short rod with threads on both ends.