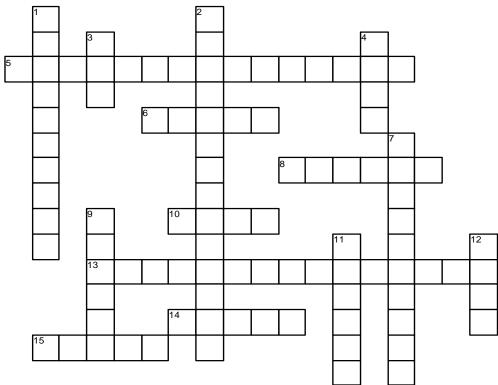
## Service Information, Tools, and Safety

Chapter 1



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## ACROSS

- **5** \_\_\_\_\_\_ is the maximum stress used under tension without causing the failure of a fastener.
- 6 Service technicians are often asked to fabricate sheet metal brackets or heat shields and need to use one or more types of cutters available called
- 8 A \_\_\_\_\_ has a straight, sharp cutting end that is used for cutting off rivets or to separate two pieces of an assembly.
- **10** \_\_\_\_\_ are the female part of a threaded fastener.

a technical service bulletin or other service procedure.

- **14** The strength or classification of a bolt is called the \_\_\_\_\_.
- **15** \_\_\_\_\_ are used to smooth metal and are constructed of hardened steel with diagonal rows of teeth.

## DOWN

- 1 Whenever a fastener is difficult to remove, some technicians will insert the handle of a ratchet or a breaker bar into a length of steel pipe sometimes called a \_\_\_\_\_\_.
- 2 \_\_\_\_\_ can be used to identify the part and check dimensions such as the cubic inch displacement and other information, such as the year of manufacture.
- **3** \_\_\_\_\_ are issued by the vehicle manufacturer to notify service technicians of a problem and include the necessary corrective action.
- 4 Often, a \_\_\_\_\_ will have coarse threads on one end and fine threads on the other end.
- 7 The size of a \_\_\_\_\_ is specified by the letter M followed by the diameter in millimeters (mm) across the outside of the threads.
- **9** A \_\_\_\_\_ or campaign is issued by a vehicle manufacturer and a notice is sent to all owners in the event of a safety-related fault or concern.
- **11** A \_\_\_\_\_ fits over the fastener and grips the points and/or flats of the bolt or nut.
- **12** The <u>label</u> under the hood of the vehicle shows information settings and emission hose routing information.

