Hand Tools
Chapter 9

ACROSS

2 A ______ fits over the fastener and grips the points and/or flats of the bolt or nut.
4 An ______ is often used where the exact size wrench is not available or when a large nut, such as a wheel spindle nut, needs to be rotated but not tightened.
6 Socket extensions and ______ are also used with sockets to allow access to fasteners in restricted locations.
8 Another name for multigroove adjustable pliers is ______.
9 Another name for a box-end wrench is ______.
11 For gripping larger objects, a set of ______ is a commonly used tool of choice by many service technicians.
12 The common household type of pliers is called the ______.
13 A ______ is first set to the specified torque and then it "clicks" when the set torque value has been reached.
15 Another name for a line wrench is a ______.
17 A ______ is placed over the top of the fastener and grips the points of the fastener.
19 A ______ uses a replaceable blade and is used to cut a variety of materials such as carpet, plastic, wood, and paper products, such as cardboard.
20 ______ are designed for cutting only.
21 The most commonly used screwdriver is called the ______.
23 The socket is rotated using either a long bar or a ______.

DOWN

1 ______ are used to loosen or tighten bolts or nuts that do not require a lot of torque.
3 A ______ is a socket that is an open-end or line wrench to allow access to fasteners that cannot be reached using a conventional wrench.
5 ______ are socket turning handles that are designed to apply a known amount of force to the fastener.
7 Many smaller fasteners are removed and installed by using a ______ for a line wrench.
10 ______ are designed to grip small objects or objects in tight locations.
14 ______ are the most used hand tool by service technicians.
15 Another name for a line wrench is a ______.
16 ______ are used to smooth metal and are constructed of hardened steel with diagonal rows of teeth.
18 Sockets are available in various sizes including 1/4 in., 3/8 in., and 1/2 in. sizes for most automotive use.
22 ______ are used to smooth metal and are constructed of hardened steel with diagonal rows of teeth.
24 A ______ uses a replaceable blade and is used to cut a variety of materials such as carpet, plastic, wood, and paper products, such as cardboard.
25 A saw-filled plastic hammer is called a ______.