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 Sockets 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 a ______.
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 ______.
14 ______ are the most used hand tool by service technicians.
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 ______ are designed to fit over objects or objects in tight locations.
22 ______ are constructed of hardened steel with diagonal rows of teeth.

DOWN
1 ______ are designed to grip small objects or objects in tight locations.
3 ______ are used to remove and install snap rings.
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 ______.
8 Sockets are available in various ______, including 1/4 in., 3/8 in., and 1/2 in. sizes for most automotive use.
10 ______ are the most commonly used screwdriver.
16 ______ are used to smooth metal and are rotated using either a long bar or a ______.
18 Sockets are rotated using either a long bar or a ______.