Tires and Wheels
Chapter 35

ACROSS

1. The _______ _____ is the ratio of the height from the rim to the tread, compared to the width of the tire.
2. The _______ ______ of the tires.
3. The _____ is the foundation of the tire and is located where the tire grips the inside of the wheel rim.
4. _____ refers to the part of the tire that contacts the ground.
5. The _______ ______ requirements include resistance to tire damage that could be caused by curbs, chuckholes, and other common occurrences for a tire used on public roads.
6. Another name for a body ply is a _______.
7. The _______ _____ is the part of the tire between the tread and the wheel.
8. The _______ _____ is the soft rubber lining on the inside of the tire that protects the body plies and helps provide for self-sealing of small punctures.
9. The point where the majority of the fabrics overlap occur is called the ____________, which represents the stiffest part of the tire.
10. A tire ____ is two or more layers of material applied over the body plies and under the tread area only, to stabilize the tread and increase tread life and handling.
11. All tires use a valve stem that uses a tire valve stem which contains a tire valve, called a ___________ ______, to hold air in the tire.
12. _____ are used to hold a wheel to the brake disc, brake drum, or wheel bearing assembly.
13. The US DOT and the NHTSA developed a system of tire grading called the _____ to help customers better judge the relative performance of tires.
14. ______________ is when the tire leaves the surface of the road and rides on a layer of water.

DOWN

2. A vehicle should never be driven faster than the ___________ of the tires.
3. The _____ is the part of the tire that contacts the ground.
4. The ____ is the foundation of the tire and is located where the tire grips the inside of the wheel rim.
5. The _______ is the part of the tire between the tread and the wheel.
6. Another name for a body ply is a _______.
7. The _______ _____ is the soft rubber lining on the inside of the tire that protects the body plies and helps provide for self-sealing of small punctures.
8. The _______ _____ is the part of the tire between the tread and the wheel.
9. The point where the majority of the fabrics overlap occur is called the ____________, which represents the stiffest part of the tire.
10. A tire ____ is two or more layers of material applied over the body plies and under the tread area only, to stabilize the tread and increase tread life and handling.
11. Another name for the center section of the wheel is called the _______.
12. _____ are used to hold a wheel to the brake disc, brake drum or wheel bearing assembly.
13. The US DOT and the NHTSA developed a system of tire grading called the _____ to help customers better judge the relative performance of tires.