

Automotive Technology 7th Edition
Chapter 117: Hydraulic Power Steering Systems
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|---|--|-----------|
| 1. Pascal's Law | A. A system that changes the amount of power assist based on vehicle speed. | 1. _____ |
| 2. Integral Reservoir | B. Signals the computer to increase idle speed to prevent stalling when steering pressure is high. | 2. _____ |
| 3. Remote Reservoir | C. A variable-effort steering system that uses a magnetic rotary actuator in the steering rack. | 3. _____ |
| 4. Flow Control Valve | D. A two-piece assembly that directs fluid flow by rotating an inner valve within an outer valve. | 4. _____ |
| 5. Power Steering Pressure (PSP) Switch | E. Its strength determines the steering "feel" in a rotary valve system. | 5. _____ |
| 6. Integral Power Steering | F. A fluid reservoir that is a separate assembly from the power steering pump. | 6. _____ |
| 7. Rotary Control Valve | G. States that pressure applied to a confined fluid is transmitted equally and undiminished in all directions. | 7. _____ |
| 8. Torsion Bar | H. A fluid reservoir that is built into the power steering pump. | 8. _____ |
| 9. Variable-Effort Steering | I. A system where the control valve and power piston are incorporated into the steering gear. | 9. _____ |
| 10. Magnasteer® | J. A spring-loaded, pressure-relief device that bleeds off excess pressure to prevent system damage. | 10. _____ |

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Answer Key

Answer Key:

1. G
2. H
3. F
4. J
5. B
6. I
7. D
8. E
9. A
10. C