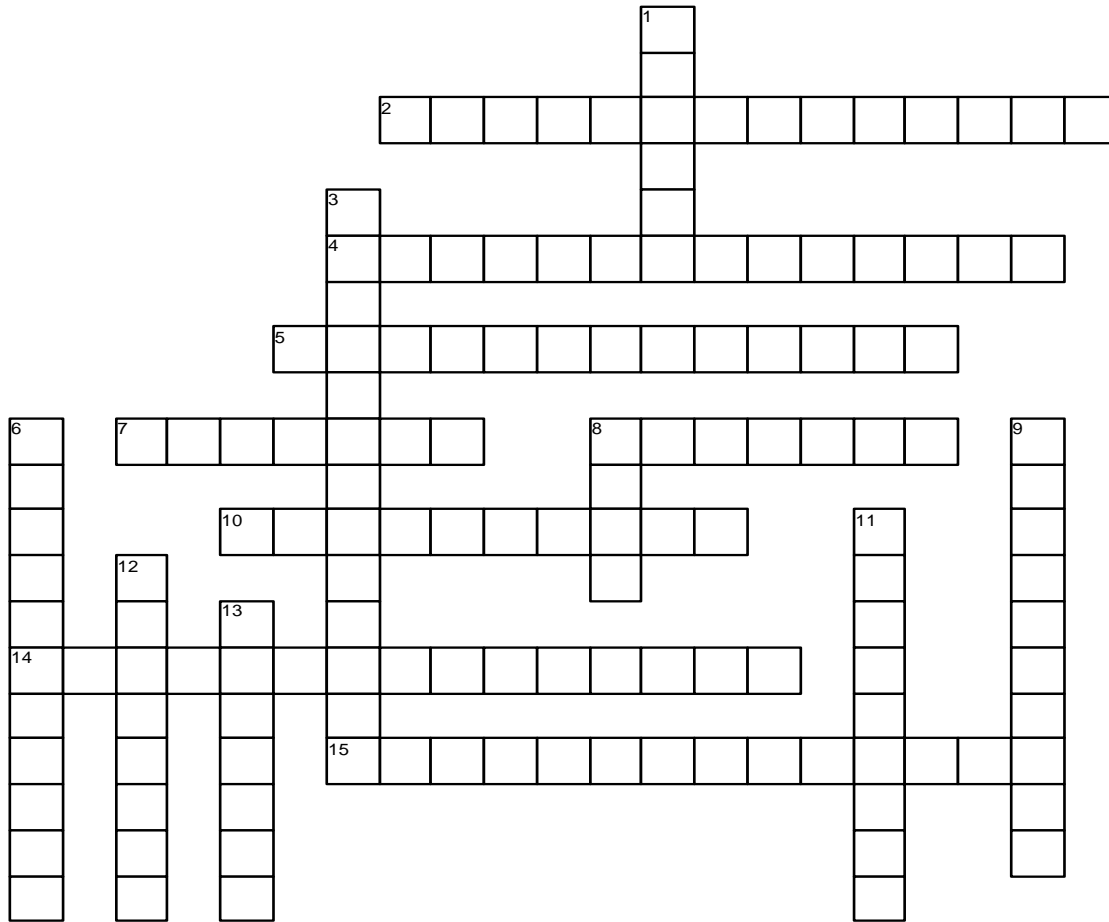


# Cylinder Head And Valve Guide Service

## Chapter 25



<http://jameshalderman.com>

### ACROSS

- 2 Another classification of surface finish, which is becoming obsolete, is called the \_\_\_\_-\_\_\_\_-\_\_\_\_\_.
- 4 \_\_\_\_\_ means that the valve is kept close to the walls of the combustion chamber to help increase mixture turbulence.
- 5 By placing the intake and the exhaust valves on the opposite side of the combustion chamber, an easy path from the intake port through the combustion chamber to the exhaust port is provided, this is called a \_\_\_\_\_ design.
- 7 A \_\_\_\_\_ type of resurfacer uses metal-cutting tool bits fastened in a disc.
- 8 Modifications in the field, such as \_\_\_\_\_ would result in restricting the flow of such a carefully designed port.
- 10 The squish area can also be the \_\_\_\_\_ where the air-fuel mixture is cooled by the cylinder head.
- 14 The \_\_\_\_\_-\_\_\_\_-\_\_\_\_\_ ratio is an important design consideration for combustion chambers.
- 15 The \_\_\_\_\_ type uses a large-diameter abrasive wheel.

### DOWN

- 1 The squish area can also be the \_\_\_\_\_ area where the air-fuel mixture is cooled by the cylinder head.
- 3 Some domestic vehicle manufacturers that have integral valve guides in their engines recommend reaming worn valve guides and installing new valves with \_\_\_\_\_.
- 6 Shared ports are called \_\_\_\_\_.
- 8 The part of the intake or exhaust system passage that is cast in the cylinder head is called a \_\_\_\_\_.
- 9 The \_\_\_\_\_ is an area of the combustion chamber where the piston nearly contacts the cylinder head.
- 11 Another name for the cam bearing bore is the \_\_\_\_\_.
- 12 The cylinder head surface that mates with the top deck of the block is often called the \_\_\_\_\_.
- 13 Checking the cylinder head gasket surface in five planes checks the head for \_\_\_\_\_, distortion, bend, and twist.