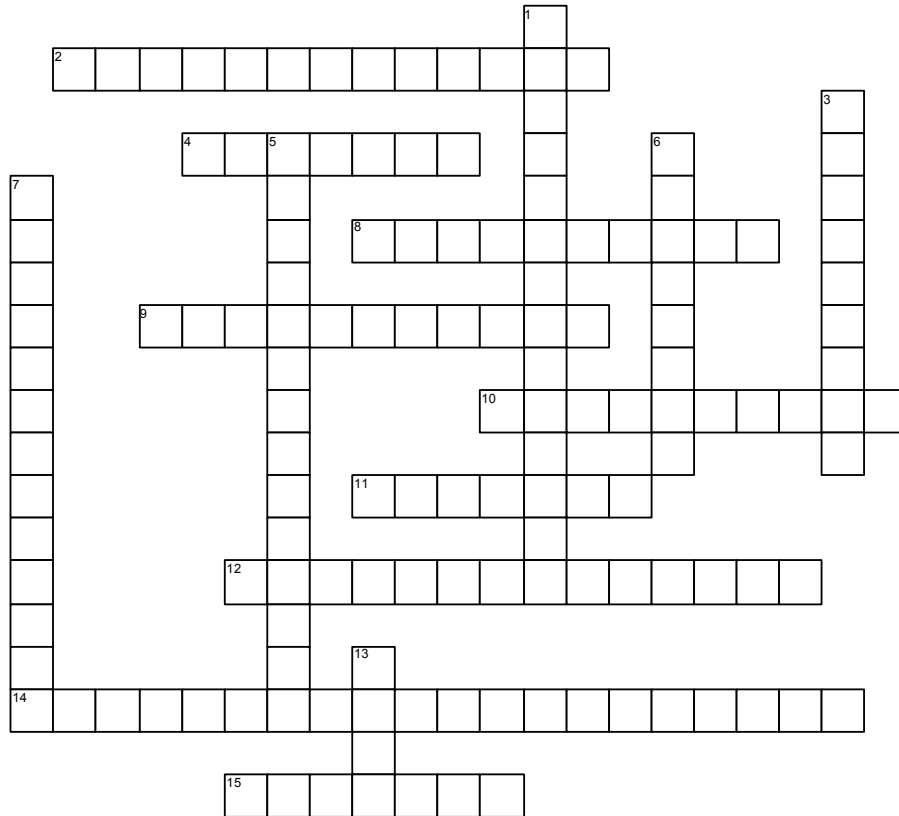


Cylinder Head And Valve Guide Service

Chapter 30



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ACROSS

- 2 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.
- 4 Checking the cylinder head gasket surface in five planes checks the head for _____, distortion, bend, and twist.
- 8 The _____ is an area of the combustion chamber where the piston nearly contacts the cylinder head.
- 9 Shared ports are called _____.
- 10 The squish area can also be the _____ where the air-fuel mixture is cooled by the cylinder head.
- 11 A _____ type of resurfacers uses metal-cutting tool bits fastened in a disc.
- 12 The _____ type uses a large-diameter abrasive wheel.
- 14 The _____ is an important design consideration for combustion chambers.
- 15 Modifications in the field, such as _____ would result in restricting the flow of such a carefully designed port.

DOWN

- 1 _____ means that the valve is kept close to the walls of the combustion chamber to help increase mixture turbulence.
- 3 Another name for the cam bearing bore is the _____.
- 5 Another classification of surface finish, which is becoming obsolete, is called the _____.
- 6 The cylinder head surface that mates with the top deck of the block is often called the _____.
- 7 Some domestic vehicle manufacturers that have integral valve guides in their engines recommend reaming worn valve guides and installing new valves with _____.
- 13 The part of the intake or exhaust system passage that is cast in the cylinder head is called a _____.